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**N.T.S. 32D05J**

**2022**

**REPORT ON PROSPECTING TRAVERSES,  
MIDLOTHIAN LAKE PROPERTY  
LARDER LAKE MINING DIVISION  
MIDLOTHIAN TOWNSHIP, ONTARIO**



**Written by:**

**Robert J. Dillman  
Arjadee Prospecting  
8901 Reily Drive, Mount Brydges, Ontario**

**and:**

**Jim Renaud  
Renaud Geological Consulting Ltd.  
21272 Denfield Road, London, Ontario**

**January 16, 2023**

**For:**

**GOLDENFIRE MINERALS INC.  
21272 Denfield Road, London, Ontario**

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**APPENDIX**

**Assay Certificates**

**Geology Map Scale 1 : 2,500**

**Nickel Assays Map Scale 1 : 2,500**

**Cobalt Assays Map Scale 1 : 2,500**

**Gold Assays Map Scale 1 : 2,500**

## Summary

This report discusses the results of prospecting on the Midlothian Lake Property in Midlothian Twp., Ontario. The dates and location of work follows:

|                    |                                               |
|--------------------|-----------------------------------------------|
| August 24, 2022    | Cell 41P15E081, Claim 549439, Midlothian Twp. |
| August 26, 2022    | Cell 41P15E081, Claim 549439, Midlothian Twp. |
| August 27, 2022    | Cell 41P15E081, Claim 549439, Midlothian Twp. |
|                    | Cell 41P14H100, Claim 549437, Midlothian Twp. |
| August 28, 2022    | Cell 41P14H100, Claim 549437, Midlothian Twp. |
|                    | Cell 41P14H079, Claim 549445, Midlothian Twp. |
| August 29, 2022    | Cell 41P15E081, Claim 549439, Midlothian Twp. |
| September 20, 2022 | Cell 41P15E061, Claim 549440, Midlothian Twp. |
| September 24, 2022 | Cell 41P14H080, Claim 549438, Midlothian Twp. |

Seven field days were devoted to the program. The work was conducted by Jim Renaud and Robert Dillman (author) for Goldenfire Minerals Inc. Approximately 5.25 km was traversed, and 71 rock samples were collected on the property. All the samples were assayed for gold plus 45 elements. Exploration focused on sampling a metamorphosed ultramafic unit identified as listwanite. This unit hosts the Laroma Au Prospect. The ultramafic unit ranges over 50 metres wide and strikes over 1.5 km. Sampling along strike for 800 metres revealed widespread nickel mineralization within the unit. Nickel mineralization was traced using Dimethylglyoxime powder and confirmed by assays which ranged as high as 0.27% Ni. Assay results for gold were generally low, ranging <0.001 to 0.009 ppm Au, however, samples collected the vicinity of pits in the ultramafic unit marking part of the Laroma Prospect in the south section of cell 41P15E081, claim 549439 returned significantly higher values ranging up to 1.03 ppm Au. Some of the rock samples collected in the ultramafic unit returned anomalous cobalt, antimony, and lithium upon assay.

## 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 along a narrow forest trail. The east boundary of the property crosses the Asbestos Mine Road at 505139mE, 5304168mN. A trail at 500922mE, 5303898mN provides access to the area of this survey.

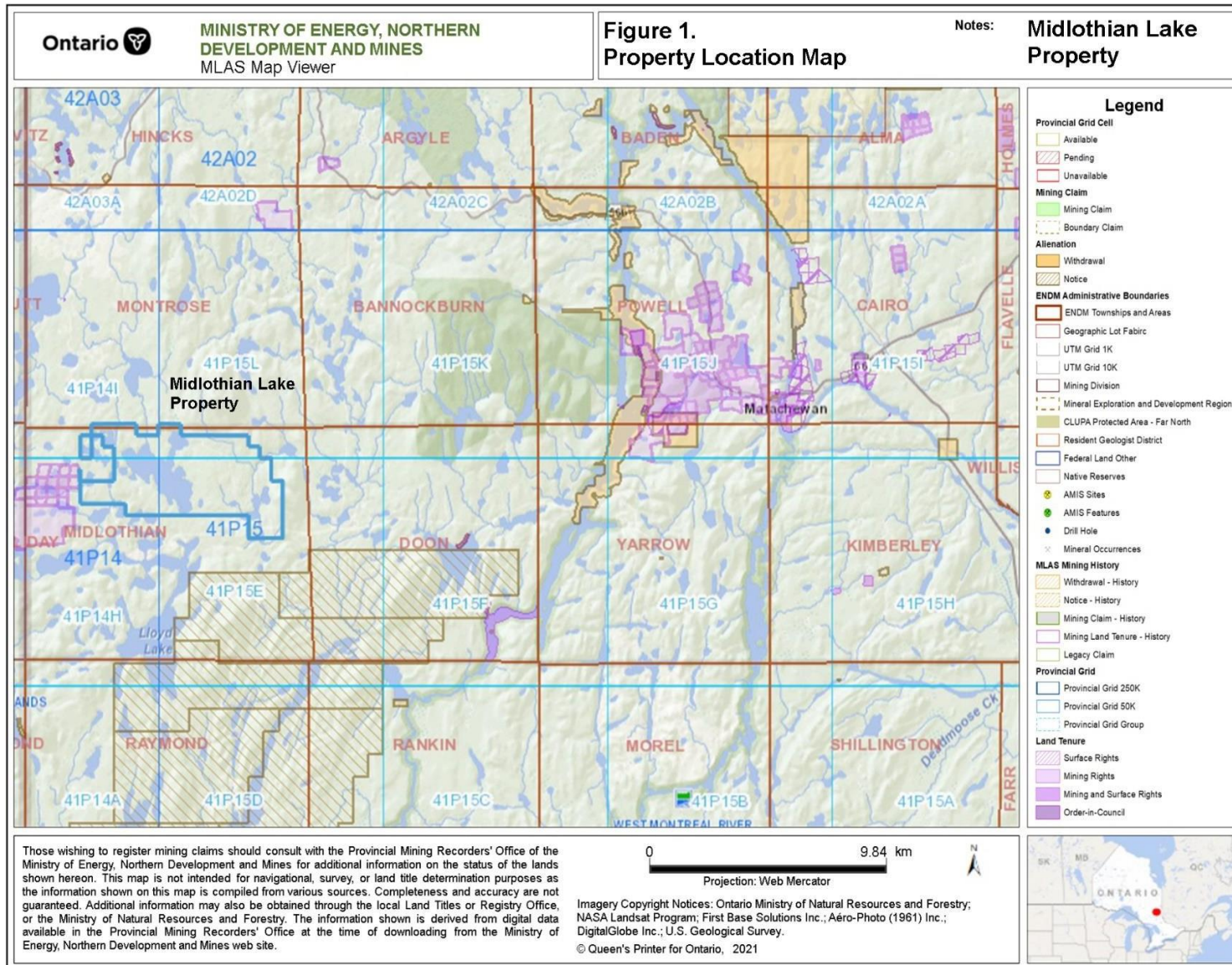
## Claim Logistics, Dates and Location of Work

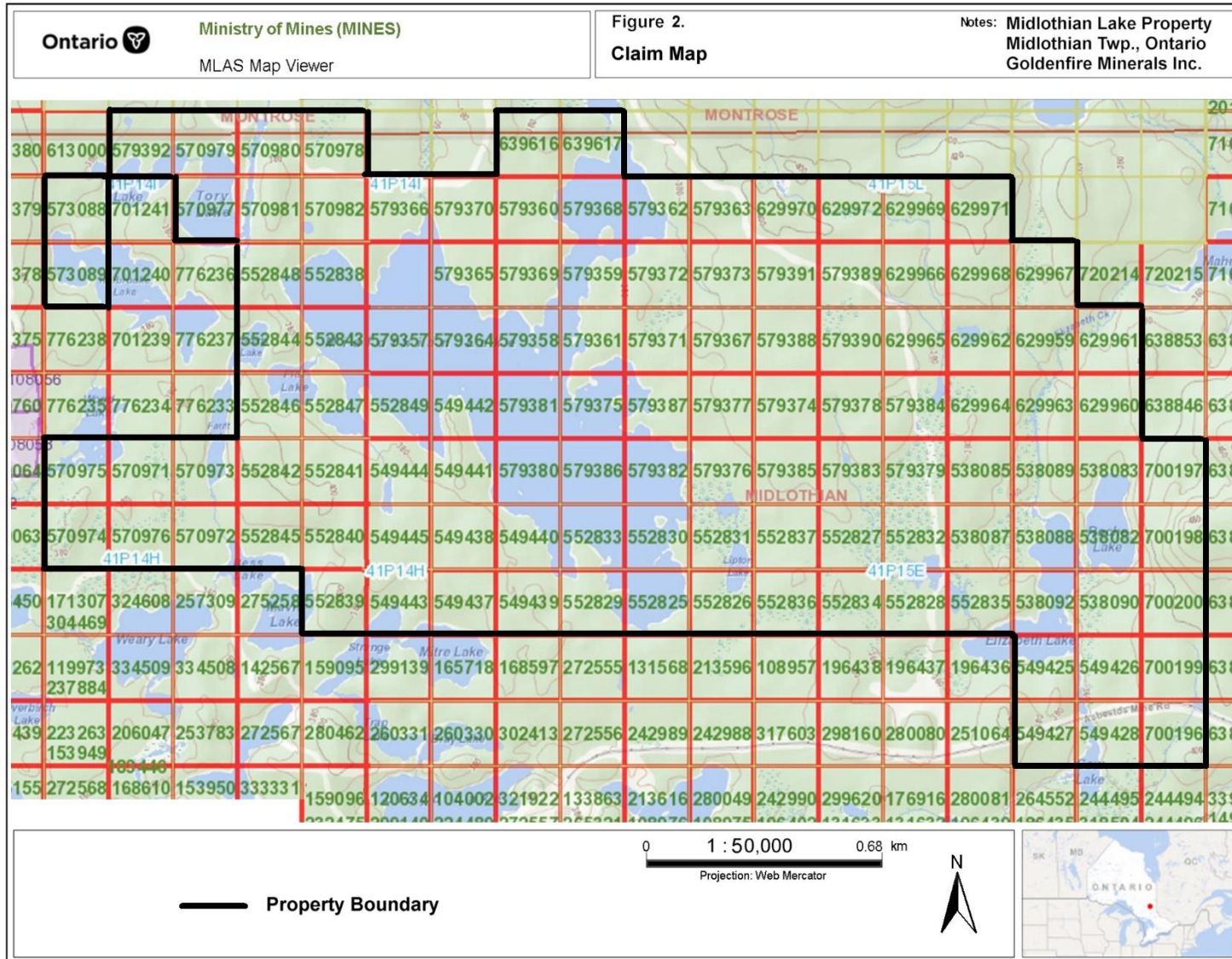
The Midlothian Lake Property consists of 113 mining claim cells. The property covers an approximate area of 2,450 hectares (Figure 2).

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

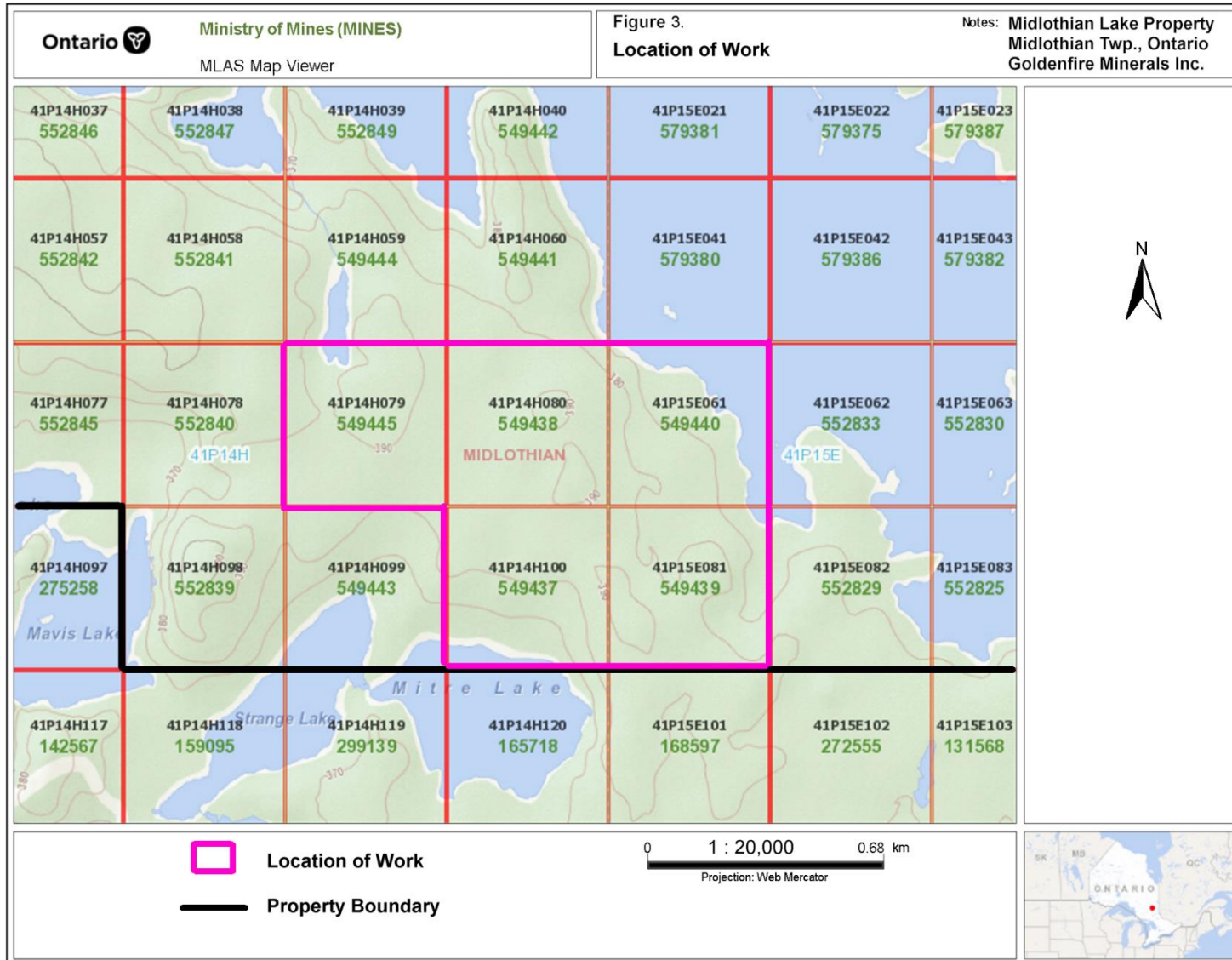
The area on the property where traverses were conducted is shown in Figure 3. Areas were prospected on the following claims:

|                    |                                                                                                |
|--------------------|------------------------------------------------------------------------------------------------|
| August 24, 2022    | Cell 41P15E081, Claim 549439, Midlothian Twp.                                                  |
| August 26, 2022    | Cell 41P15E081, Claim 549439, Midlothian Twp.                                                  |
| August 27, 2022    | Cell 41P15E081, Claim 549439, Midlothian Twp.<br>Cell 41P14H100, Claim 549437, Midlothian Twp. |
| August 28, 2022    | Cell 41P14H100, Claim 549437, Midlothian Twp.<br>Cell 41P14H079, Claim 549445, Midlothian Twp. |
| August 29, 2022    | Cell 41P15E081, Claim 549439, Midlothian Twp.                                                  |
| September 20, 2022 | Cell 41P15E061, Claim 549440, Midlothian Twp.                                                  |
| September 24, 2022 | Cell 41P14H080, Claim 549438, Midlothian Twp.                                                  |









## 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 to the United Asbestos Mine crosses the southeast corner of the property.

Sections of the property have been logged within the last 2 decades and a significant amount of regrowth has occurred. Trees within areas prospected mostly consist of medium sized spruce and tall white pine. Balsam, birch and poplar grow in unlogged areas. Alders and cedar grow in wet and low areas.

The property is at a mean elevation ranging 370 metres above sea level. Most of the property has gentle relief with rounded hills ranging up to 10 metres in height. There is a large hill bordering the southeast corner of the property. The most significant topographic feature is Midlothian Lake situated roughly in the center of the property. The lake is at an elevation of 365 metres above sea level and occupies roughly 20% of the property.

Outcrop exposure in many sections of the property is good. Outcrops are abundant in higher elevations and variable exposures in lower elevations. Overburden is generally shallow and consists of glacial till deposited by a glacier moving from northeast to southwest.

## Regional and Local Geology

The Midlothian Lake Property lies within 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.

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.

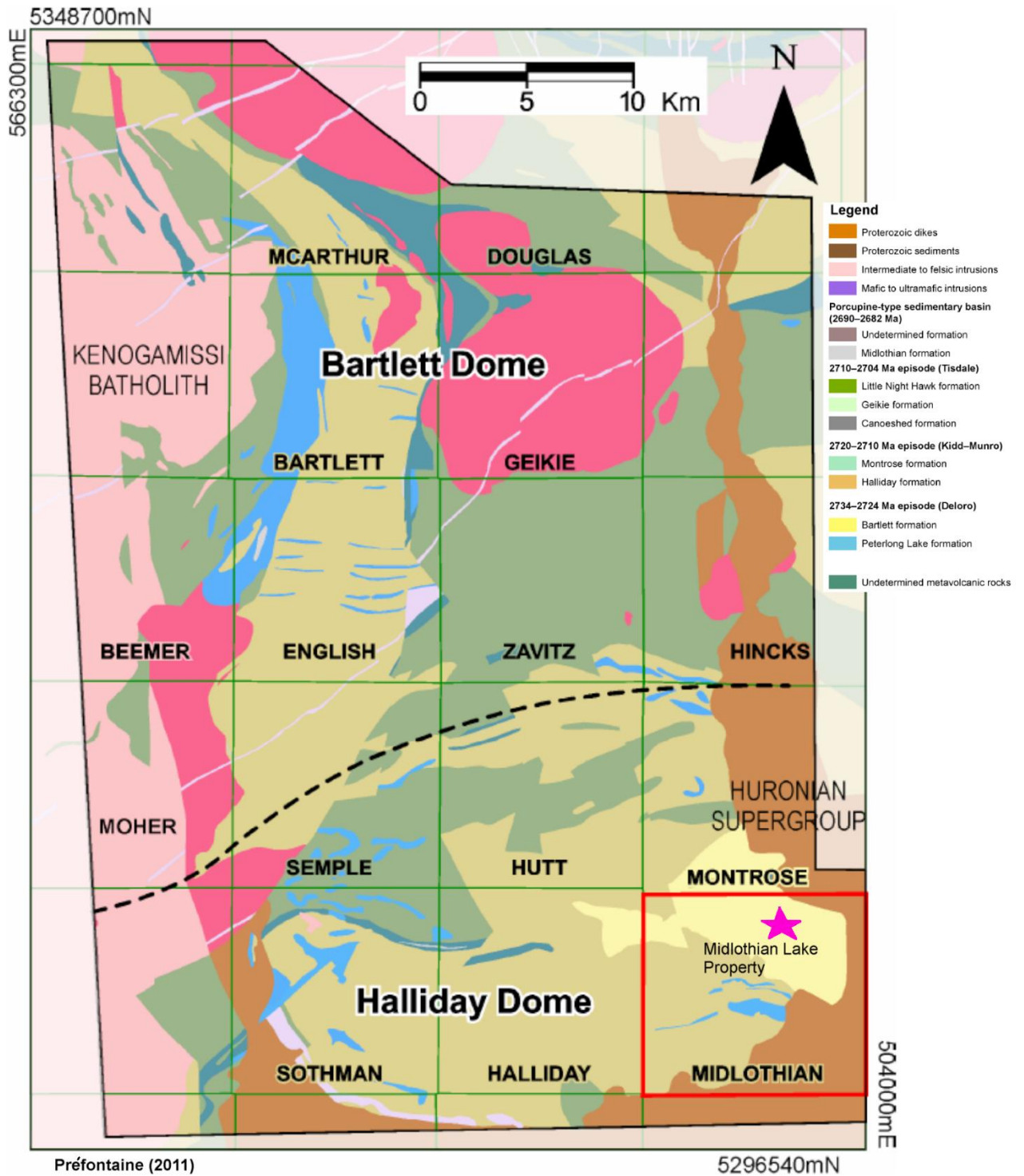


Figure 4. Regional Geology

The south section of the Midlothian Lake Property is underlain by intermediate to felsic flows and pyroclastic rocks. These units have been intruded by peridotite, dunite, and gabbro. Steeply dipping "Temiskaming" type metasediments consisting of meta-conglomerates, are the most extensive rocks in the central and north sections of the property. The Archean rocks have been intruded by N-S trending gabbro and diabase dikes and crossed by north to northeast trending faults. Some of the faults contain quartz-graphite-marcasite veins. Proterozoic meta-conglomerates of the Cobalt Group occur in the southeast section in areas east and north of Elizabeth Lake. The Archean and Proterozoic rocks have been intruded by late-stage diabase dikes.

Metavolcanic and metasedimentary rocks in the south section of the property are extensively carbonated, locally sheared, faulted and frequently intruded by quartz stringers and veins. Green mica (fuchsite), disseminated pyrite and marcasite nodules are common. Native gold has been found in the Laroma Prospect and south of Elizabeth Lake. Copper associated with chalcopyrite has been found in quartz veins south of Midlothian Lake. Nickel has recently been found associated with fine-grained nickel sulphides in the Laroma Prospect.

The main rock units in the area prospected consist mostly metavolcanic rocks, peridotite (listwanite), Temiskaming conglomerate and rhyolite (Figure 7). The main rock units have extensive Fe-carbonate alteration and have been intruded by north trending gabbro dikes which are strongly altered and albitized. The peridotite unit(s) is altered to listwanite consisting of a dolomitic core with green mica (fuchsite) and magnesite along the margins. The listwanite contains several generations of quartz, traces of fine Ni-bearing sulphides and pyrite. Faults trending north, northeast and northwest cross the area. Several of the north and northeast trending faults contain graphite and marcasite. The area is also crossed by northwest trending, late-stage unaltered diabase dikes.



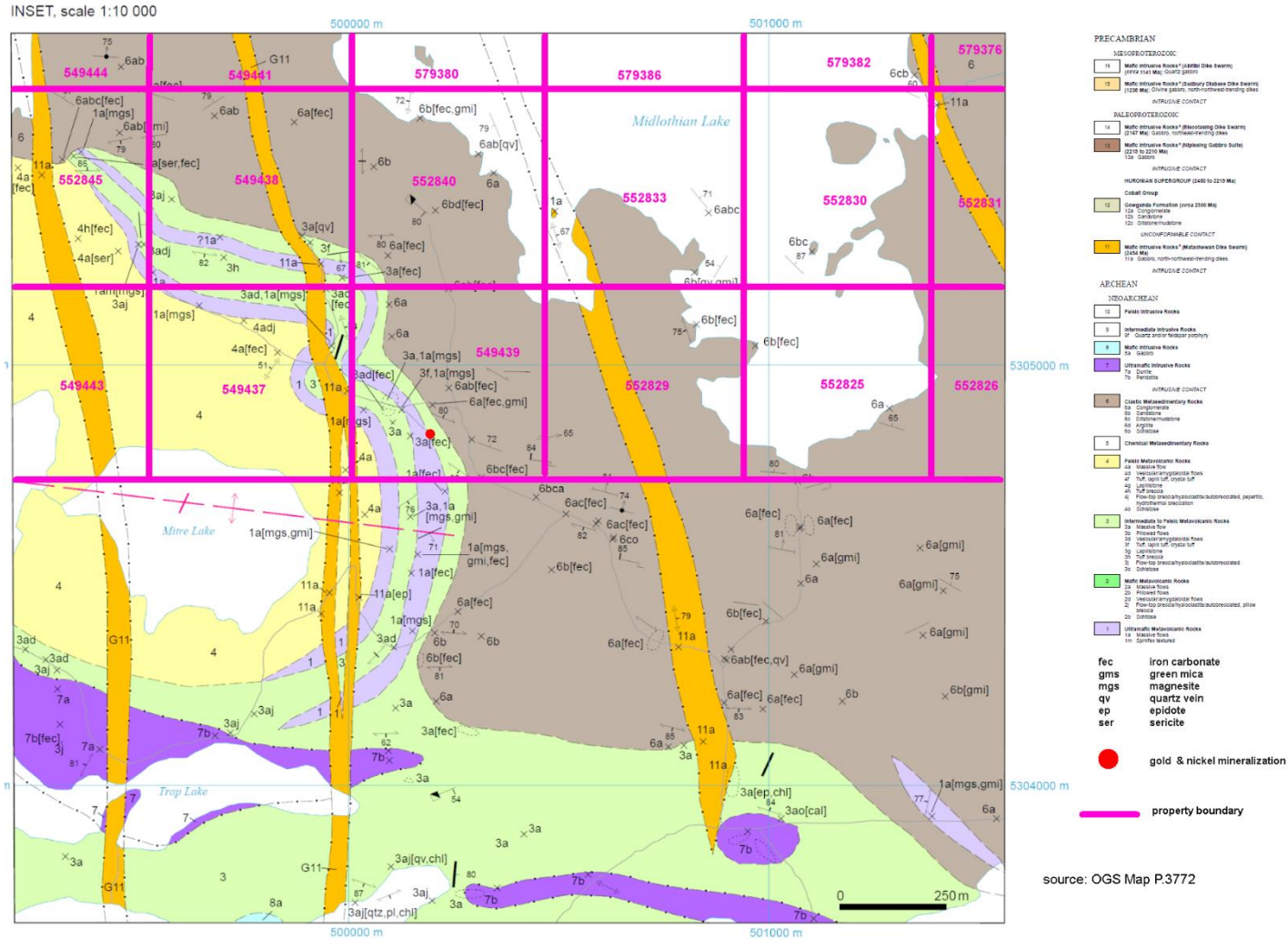


Figure 6. Mitre Lake Area, Midlothian Twp.

**Figure 7. Rock Unit Picks**



Green Mica with Ni powder, wet



Dolomite



Magnesite



Mafic Metavolcanic



Conglomerate



Rhyolite + green mica



Albitized gabbro



## 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 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).

In 1944, gold was discovered by Felix Roche in narrow quartz veins and stringers in a zone described as consisting of green carbonate rock and dolomite measuring 2,000 feet long by 250 to 350 feet wide which became known as the “Laroma Prospect”. Assays reported at the time include a chip sample taken from a pit assayed 1.34 oz/ton Au and a 60-pound bulk sample assayed 0.76 ounce of Au per ton. Visible gold was reported from a 1/4-inch wide quartz vein in a network of narrow quartz veins.

In 1944, gold was discovered at the site eventually becoming Stairs Mine. Production began in 1962 on proven and probable ore reported as 45,200 tons averaging 0.88 oz/ton Au and 95,700 tons averaging 0.25 oz/ton Au. A total of 3,573 ounces of gold and 1,767 ounces of silver were recovered from 15,835 tons of ore milled. The Stairs Mine closed in 1966.

In 1945, stripping and trenching by Freeport Exploration Company revealed visible gold in a wide, northeast trending shear zone situated west of Midlothian Lake. A diamond drill hole in eastern end of the Wood Lake Shear Zone is reported to have intersected 0.53 oz/ton Au over an 8-foot section of sheared carbonatized conglomerate. The discovery is known as the

Riocanex Prospect. Visible gold also was found in a zone of carbonatized metasediments situated between Strike and Tory Lakes. An assay of 0.14 oz/ton Au was reported.

In 1963, Pitchvein Mines Limited reported copper-bearing sulphides in narrow quartz veinlets exposed on the large point on the south side of Midlothian Lake.

In 1946, H. Marshall on behalf of the Ontario Department of Mines visited the Elizabeth Lake showings and described exploration carried out in the area as follows: 'Goodwin et al. have a group of unpatented claims around Elizabeth Lake adjoining those of Laclothian Mines, Limited. The area is covered with considerable overburden, but a few outcrops of Timiskaming sedimentary rocks were mapped. Some stripping and trenching were done in 1945. Several small quartz stringers were noted, and mineralization, chiefly pyrite, is scant. Visible gold was noted in an outcrop on the creek south of Elizabeth Lake' (Bright, 1970). Marshall also visited the Laroma Prospect and notes erratic visible gold mineralization on claims 13317, 13320 and 13583 (Marshall, 1947). The area of claims 13320 and 13583 is covered by the current Midlothian Lake Property.

In 2020, Jim Renaud and (author) Robert Dillman began prospecting in the Elizabeth Lake area, around the Laroma Prospect also and northeast of Midlothian Lake. Samples collected in the Laroma Prospect returned good gold values. Petrographic examination and microprobe analyses of green mica samples from the Laroma Prospect lead to the identification of nickel and cobalt sulphides and arsenides, and stibnite in the prospect. In addition to gold, subsequent assaying confirmed the presences of nickel, cobalt and antimony.

Table 1. provides an additional summary of recorded exploration near and on the property obtained through assessment filings from OGSEarth.

**Table 1.: Summary of Historical Exploration, Midlothian Lake Property**

| <b>Company</b>                 | <b>Year</b> | <b>Work Description</b>                                                                   |
|--------------------------------|-------------|-------------------------------------------------------------------------------------------|
| 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                                                                                     |
| International Trust Company    | 1972        | 4 DDH                                                                                     |
| Larche/Rosseau                 | 1972        | 8 DDH                                                                                     |
| Allied Mining Corp.            | 1972        | 1 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                                                                                   |
| Northern 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)                                                                   |
| Goldenfire Minerals Inc.       | 2020-2021   | Prospecting, petrology and microprobe work                                                |

## Personnel

Work on the Midlothian Lake Property was completed by Jim Renaud of London, Ontario and author, Robert Dillman of Mount Brydges, Ontario. The work was performed for Goldenfire Minerals Inc. of London, Ontario. Mr. Renaud is CEO and President of Goldenfire Minerals Inc. Robert Dillman is a director of the company.

## Survey Logistics

The prospecting traverses focused on exploring the area around the peridotite/ listwanite unit located northeast of Mitre Lake. Traverse details including location and geology are summarized in Table's 2 to 8 and plotted on accompanying maps at a scale of 1 : 5,000. Geology is also plotted at a scale of 1 : 2,500 on a map appended to this report. Approximately 5.25 km were traversed.

A compass and two GPS units were used to navigate during traverses. Garmin GPS models GPSMAP 66st and GPSMAP 66i were used to navigate. Both GPS units were set to NAD83, Zone 17. Waypoints and field notes periodically recorded during the traverses are listed in Table's 2 to 8.

Seventy-one (71) rock samples were collected during the survey. The samples were sent for analyses at AGAT Laboratory located in Mississauga, Ontario. All the samples were assayed for gold by Fire Assay. Twenty-two (22) samples were assayed using a 50 gram charge and 49 were assayed using a 30 gram charge. All the samples were finished by Inductively Coupled Plasma – Optical Emission Spectroscopy (ICP-OES) to measure the gold concentration. All samples were also assayed for 45 elements also using an Aqua Regia Digest followed by ICP-OES to measure the elements present. Assay certificates from the lab are appended to this report.

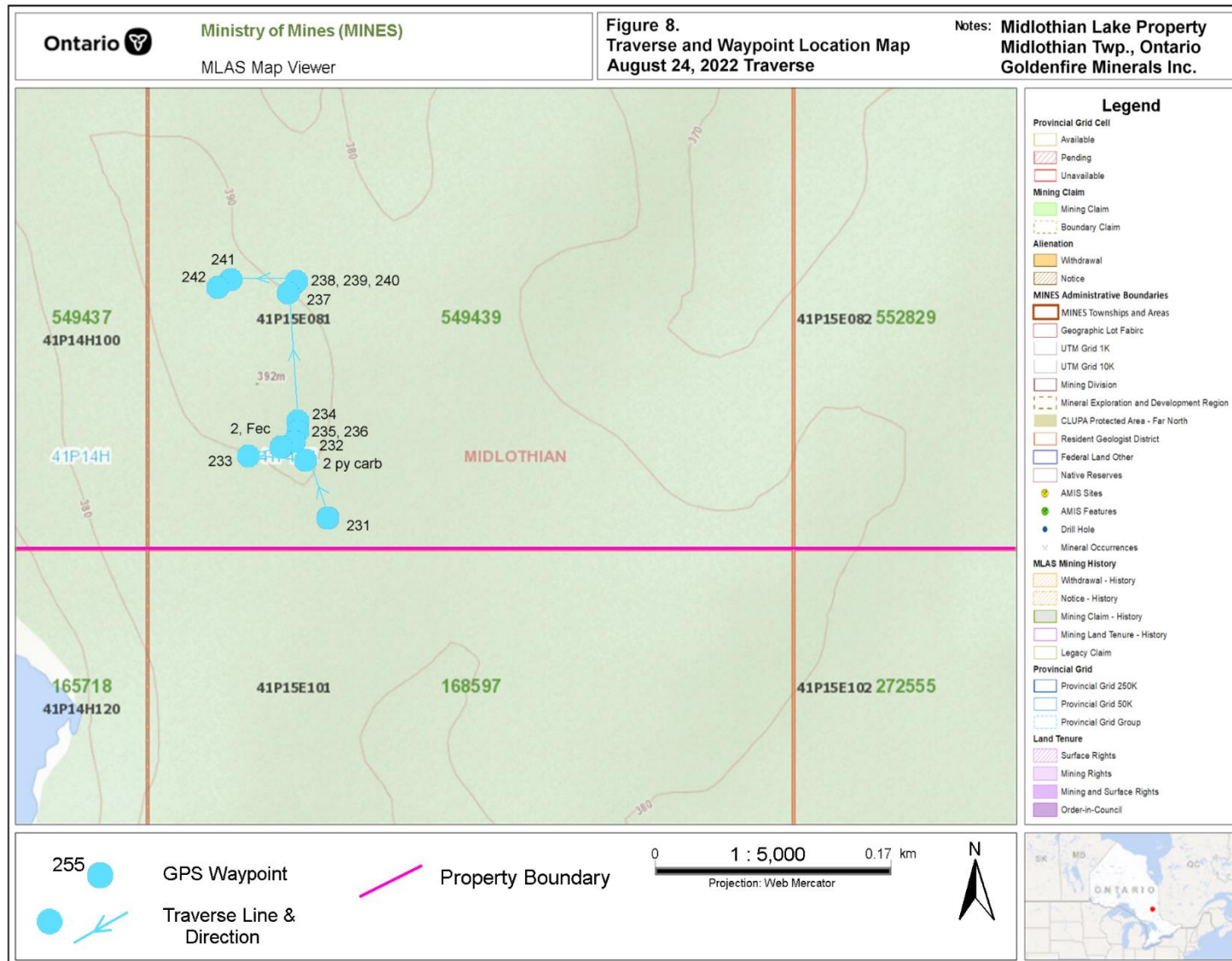
Rock sample locations, descriptions and assay results are presented in Table 9. Locations of sample sites and assay results are plotted at a scale of 1: 5,000 on accompanying maps and also plotted at a scale of 1 : 2,500 on maps appended to this report.

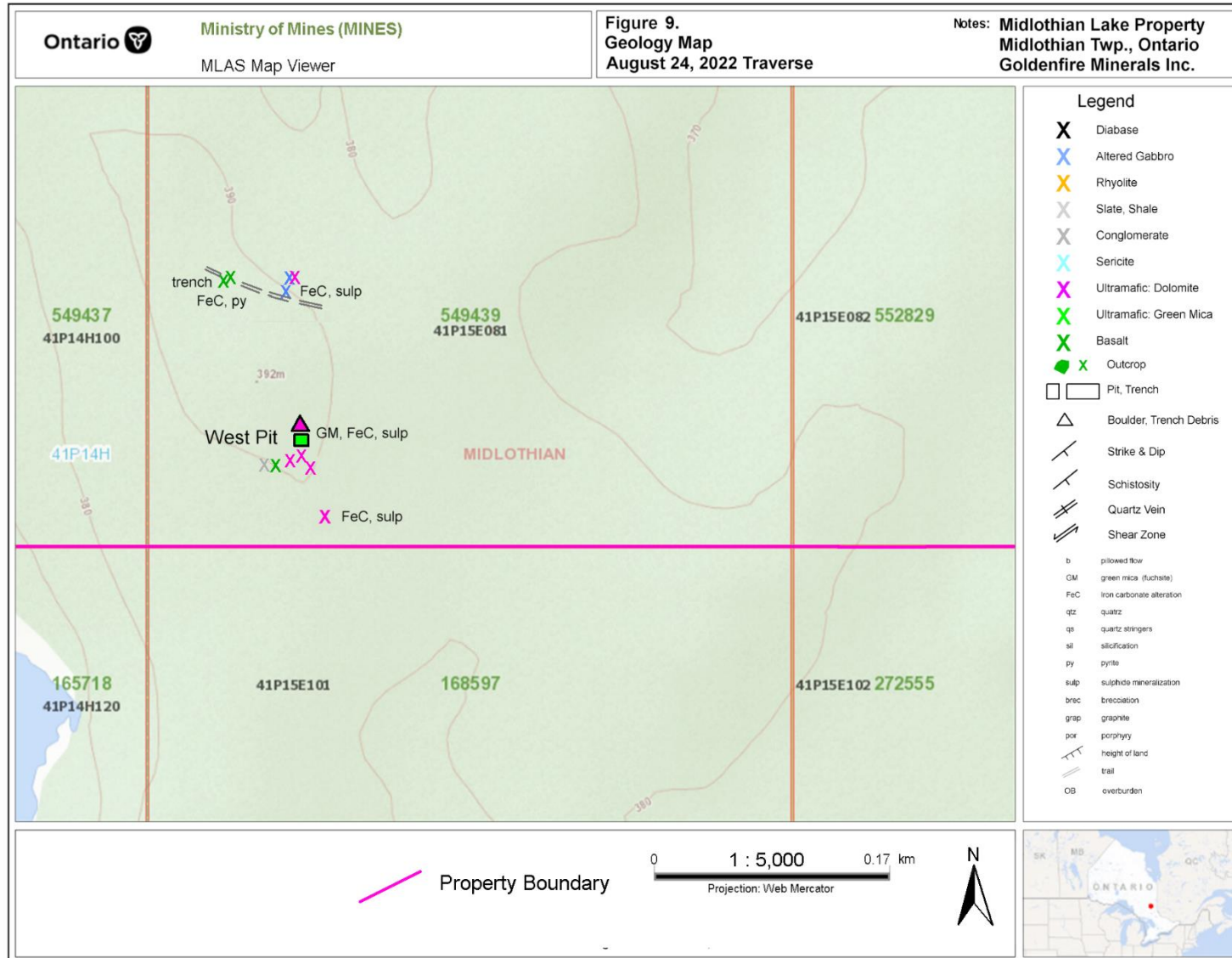
**Table 2.: Field Notes, August 24, 2022, Midlothian Lake Property, Midlothian Twp.**

| Waypoint  | UTM Coordinates       | Time    | Claim  | Cell      | Notes                                                                                                                  |
|-----------|-----------------------|---------|--------|-----------|------------------------------------------------------------------------------------------------------------------------|
| 231       | 500131mE<br>5304745mN | 1:00 pm | 549439 | 41P15E081 | Fine-grained dolomite, carbonated, trace fine-grained disseminated pyrite                                              |
| 2 py carb | 500113mE<br>5304784mN | 1:09 pm | 549439 | 41P15E081 | Dolomite, carbonated, trace pyrite.                                                                                    |
| 232       | 500106mE<br>5304798mN | 1:41 pm | 549439 | 41P15E081 | Coarse-grained dolomite, carbonated, trace fine-grained disseminated pyrite. ML22-52                                   |
| 2, FeC    | 500098mE<br>5304793mN | 1:44 pm | 549439 | 41P15E081 | Dolomite, carbonated.                                                                                                  |
| 233       | 500072mE<br>5304789mN | 1:47 pm | 549439 | 41P15E081 | Fine-grained sediment, slate                                                                                           |
| 234       | 500109mE<br>5304808mN | 1:51 pm | 549439 | 41P15E081 | Pit west side of unit. Loose debris in pit, calcite + Fe-carb with quartz stringers, trace pyrite in wallrock. ML22-53 |
| 235       | 500109mE<br>5304804mN | 1:53 pm | 549439 | 41P15E081 | Green mica outcrop with quartz, Fe- carbonate, trace disseminated pyrite. Tested Ni on site. ML22-54                   |
| 236       | 500109mE<br>5304804mN | 1:53 pm | 549439 | 41P15E081 | Green mica outcrop with quartz, Fe- carbonate, trace disseminated pyrite. Tested Ni on site. ML22-55                   |
| 237       | 500103mE<br>5304905mN | 2:35 pm | 549439 | 41P15E081 | Boulder, fine-grained mafic metavolcanic, gabbro? with weak green mica & quartz stringers. ML22-56                     |
| 238       | 500106mE<br>5304909mN | 2:36 pm | 549439 | 41P15E081 | fine-grained mafic metavolcanic, gabbro? with weak green mica & quartz stringers <0.5 cm wide. ML22-57.                |
| 239       | 500106mE<br>5304909mN | 2:43 pm | 549439 | 41P15E081 | fine-grained mafic metavolcanic, gabbro? Fe-carbonated, ML22-58.                                                       |

**Table 2 con't .: Field Notes, August 24, 2022, Midlothian Lake Property, Midlothian Twp.**

| Waypoint | UTM Coordinates       | Time    | Claim  | Cell      | Notes                                                                                                                       |
|----------|-----------------------|---------|--------|-----------|-----------------------------------------------------------------------------------------------------------------------------|
| 240      | 500106mE<br>5304909mN | 3:04 pm | 549439 | 41P15E081 | Dolomite, Fe-carbonated, trace disseminated pyrite.                                                                         |
| 241      | 500052mE<br>5304913mN | 3:06 pm | 549439 | 41P15E081 | Felsic, Fe-carbonated with quartz + Fe-carbonate stringers, disseminated to massive pyrite.ML22-59                          |
| 242      | 500059mE<br>5304912mN | 3:06 pm | 549439 | 41P15E081 | Debris, east end trench. felsic, Fe-carbonated with quartz + Fe-carbonate stringers, disseminated to massive pyrite.ML22-60 |





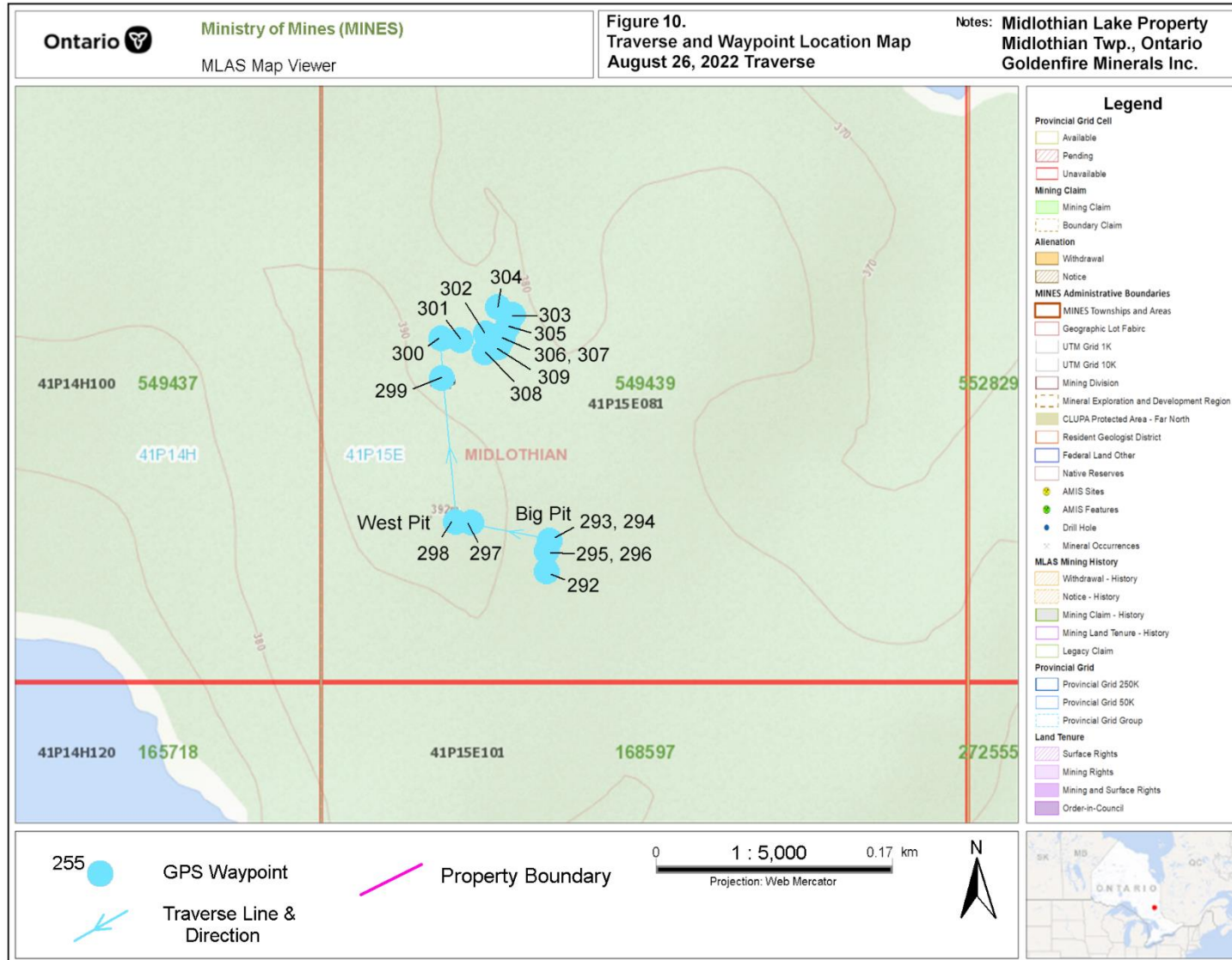


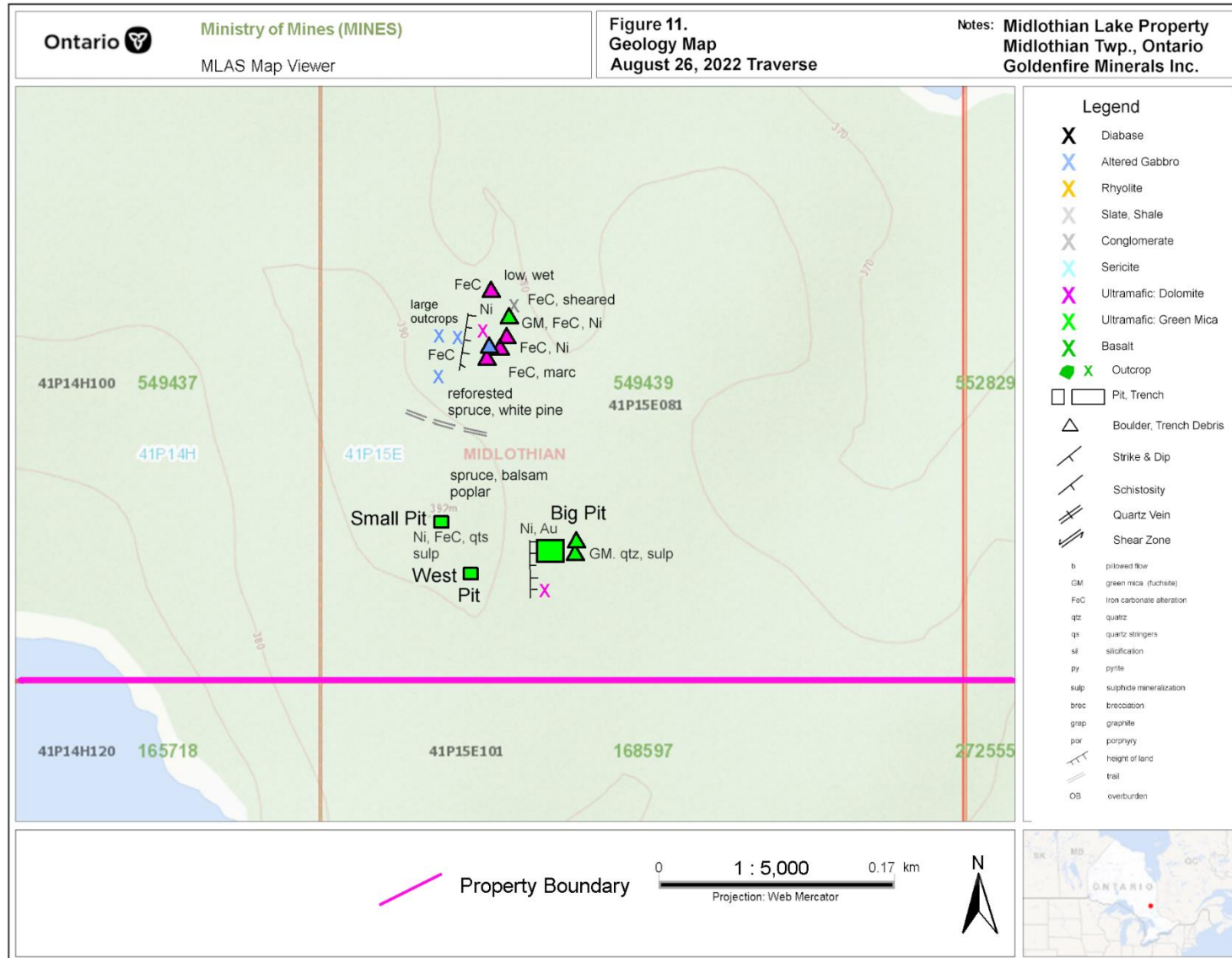
**Table 3.: Field Notes, August 26, 2022, Midlothian Lake Property, Midlothian Twp.**

| Waypoint | UTM Coordinates       | Time     | Claim  | Cell      | Notes                                                                                                                                |
|----------|-----------------------|----------|--------|-----------|--------------------------------------------------------------------------------------------------------------------------------------|
| 292      | 500162mE<br>5304800mN | 12:20 pm | 549439 | 41P15E081 | Weak green mica in dolomite, Fe-carbonated, quartz stringers. ML22-61                                                                |
| 293      | 500166mE<br>5304822mN | 12:52 pm | 549439 | 41P15E081 | Big Pit. Moderate green mica, Fe-carbonated, grey and white quartz stringers. Trace – 1% pyrite ML22-62.                             |
| 294      | 500166mE<br>5304821mN | 12:53 pm | 549439 | 41P15E081 | Big Pit. Strong green mica, Fe-carbonated, grey and white quartz stringers. Trace – 3% pyrite ML22-63.                               |
| 295      | 500164mE<br>5304814mN | 1:08 pm  | 549439 | 41P15E081 | Debris by Big Pit. Strong green mica, Fe-carbonated, grey and white quartz stringers. Trace – 3% sulphides. ML22-64.                 |
| 296      | 500163mE<br>5304815mN | 1:11 pm  | 549439 | 41P15E081 | Debris by Big Pit. Strong green mica + dolomite, carbonated, white quartz stringers. Trace – 3% sulphides. Trace malachite. ML22-65. |
| 297      | 500105mE<br>5304836mN | 1:29 pm  | 549439 | 41P15E081 | Small Pit. Strong green mica, carbonated, white quartz stringers. Trace – 5% sulphides. Trace stibnite? ML22-66.                     |
| 298      | 500098mE<br>5304836mN | 1:33 pm  | 549439 | 41P15E081 | Small Pit. Strong green mica, Fe-carbonated, white quartz stringers. Trace – 3% sulphides. Black dendritic mineral. ML22-67.         |
| 299      | 500088mE<br>5304938mN | 2:16 pm  | 549439 | 41P15E081 | Altered gabbro dike. Fe-carbonated. Large outcrop.                                                                                   |
| 300      | 500087mE<br>5304964mN | 2:20 pm  | 549439 | 41P15E081 | Altered gabbro dike. Fe-carbonated.                                                                                                  |
| 301      | 500101mE<br>5304963mN | 2:23 pm  | 549439 | 41P15E081 | Altered gabbro dike. Fe-carbonated.                                                                                                  |
| 302      | 500119mE<br>5304965mN | 2:30 pm  | 549439 | 41P15E081 | Dolomite with patchy green mica, Fe-carbonated                                                                                       |

**Table 3. con't: Field Notes, August 26, 2022, Midlothian Lake Property, Midlothian Twp.**

| Waypoint | UTM Coordinates       | Time    | Claim  | Cell      | Notes                                                                                                                                                                                 |
|----------|-----------------------|---------|--------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 303      | 500137mE<br>5304982mN | 3:08 pm | 549439 | 41P15E081 | Conglomerate, sheared with patchy green mica, Fe-carbonated.                                                                                                                          |
| 304      | 500127mE<br>5304986mN | 3:14 pm | 549439 | 41P15E081 | Float, weak green mica, Fe-carbonated dolomite on Fe-carbonated- sheared outcrop with quartz. ML22-69, ML22-70                                                                        |
| 305      | 500136mE<br>5304978mN | 3:18 pm | 549439 | 41P15E081 | Float in low at base of steep slope, strong green mica, Fe-carbonate, white quartz stringers. ML22-71                                                                                 |
| 306      | 500131mE<br>5304962mN | 3:32 pm | 549439 | 41P15E081 | Float base of steep slope/ outcrop, dolomite with green mica, Fe-carbonate. ML22-72                                                                                                   |
| 307      | 500131mE<br>5304961mN | 3:34 pm | 549439 | 41P15E081 | Float base of steep slope/ outcrop, Silicified metavolcanic? With patchy green mica, Fe-carbonate. 5 cm pyrite/ marcasite/ quartz nodule. Ni reaction with Dimethylglyoxime. ML22-73. |
| 308      | 500119mE<br>5304953mN | 3:39 pm | 549439 | 41P15E081 | Float base of steep slope/ outcrop, Silicified dolomite with patchy green mica, Fe-carbonate. Trace pyrite. ML22-74 Ni reaction with Dimethylglyoxime.                                |
| 309      | 500128mE<br>5304961mN | 3:44 pm | 549439 | 41P15E081 | Float base of steep slope/ outcrop, Silicified metavolcanic? With patchy green mica, Fe-carbonate. ML22-75                                                                            |



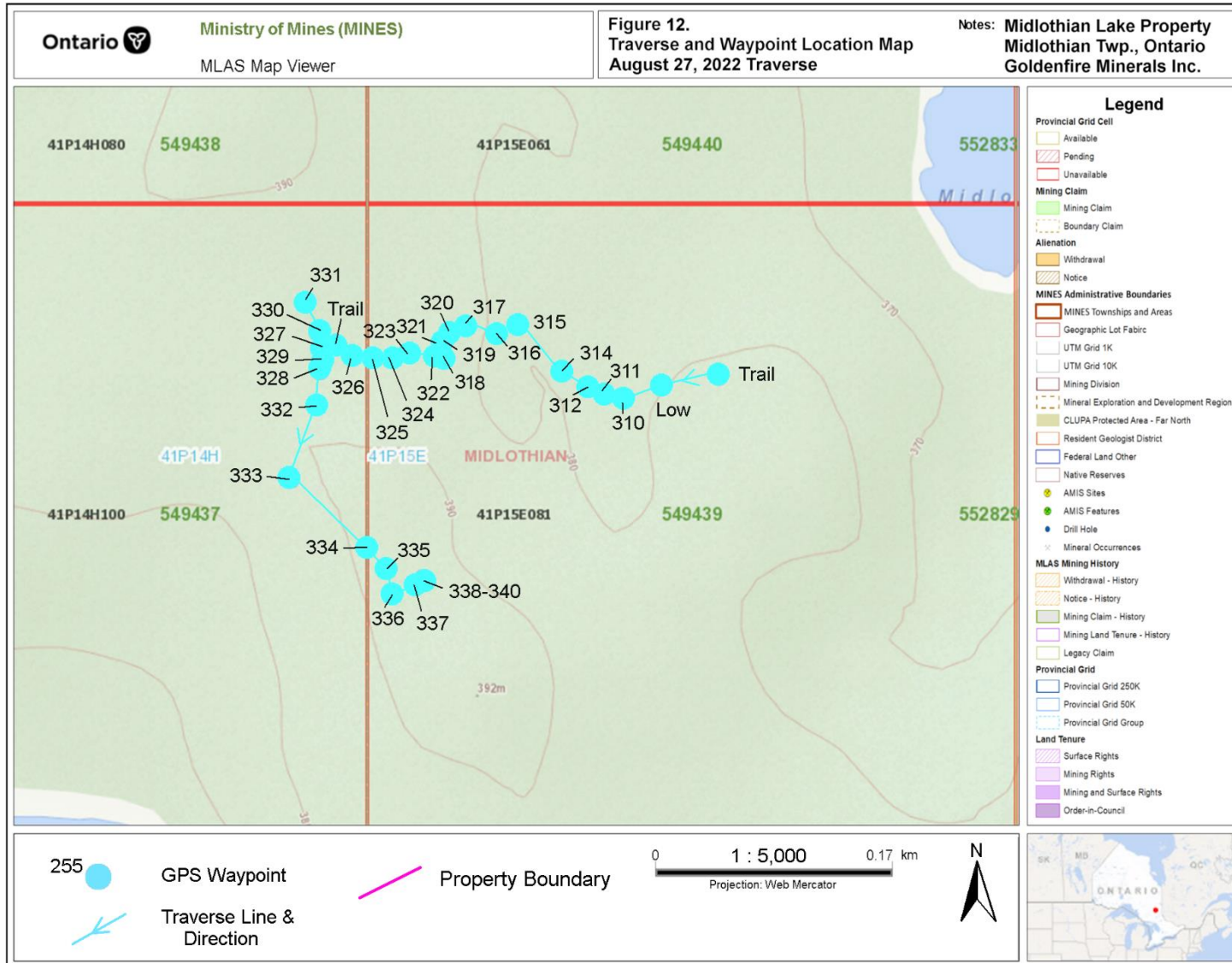


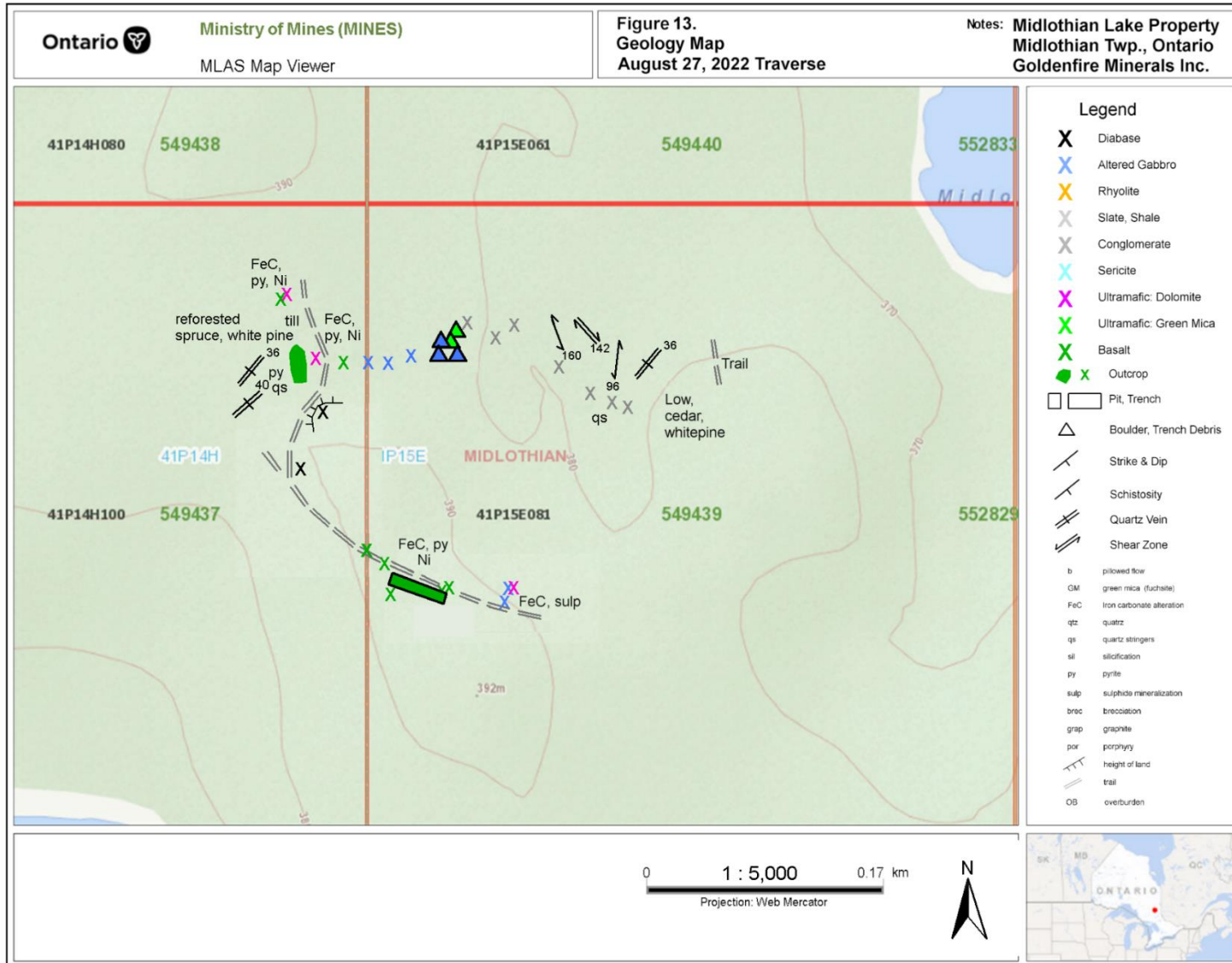
**Table 4.: Field Notes, August 27, 2022, Midlothian Lake Property, Midlothian Twp.**

| Waypoint | UTM Coordinates       | Time     | Claim  | Cell      | Notes                                                                                                          |
|----------|-----------------------|----------|--------|-----------|----------------------------------------------------------------------------------------------------------------|
| Trail    | 500253mE<br>5305064mN | 9:59 am  | 549439 | 41P15E081 | Trail, overburden, till, reforested, spruce                                                                    |
| Low      | 500212mE<br>5305057mN | 10:11 am | 549439 | 41P15E081 | Low, overburden, till, white pine, cedar.                                                                      |
| 310      | 500183mE<br>5305049mN | 10:15 am | 549439 | 41P15E081 | Conglomerate, Fe-carbonated. Occasional green mica pebble.                                                     |
| 311      | 500170mE<br>5305051mN | 10:20 am | 549439 | 41P15E081 | Conglomerate, Fe-carbonated, strike 96 <sup>0</sup> , subvertical. Quartz stringers striking 36 <sup>0</sup> . |
| 312      | 500158mE<br>5305056mN | 10:26 am | 549439 | 41P15E081 | Conglomerate, Fe-carbonated. Trace pyrite.                                                                     |
| 314      | 500139mE<br>5305067mN | 10:33 am | 549439 | 41P15E081 | Conglomerate, Fe-carbonated. Strike 160 <sup>0</sup> , sheared 142 <sup>0</sup>                                |
| 315      | 500108mE<br>5305100mN | 10:43 am | 549439 | 41P15E081 | Conglomerate, Fe-carbonated. Sheared. Chlorite slickened cleavages.                                            |
| 316      | 500093mE<br>5305094mN | 11:04 am | 549439 | 41P15E081 | Conglomerate, Fe-carbonated. Sheared. Several generations quartz stringers. Trace pyrite.                      |
| 317      | 500070mE<br>5305099mN | 11:18 am | 549439 | 41P15E081 | Conglomerate? silicified, brecciated. Fe-carbonated.                                                           |
| 318      | 500053mE<br>5305078mN | 11:42 am | 549439 | 41P15E081 | Float, altered gabbro, Fe-carbonated, occasional marcasite nodule.                                             |
| 319      | 500057mE<br>5305091mN | 12:15 am | 549439 | 41P15E081 | Float, 1x0.5x0.3 m, strong green mica + Fe-carbonate, white quartz.                                            |
| 320      | 500058mE<br>5305092mN | 12:20 am | 549439 | 41P15E081 | Float, 0.5x0.5x0.3 m, strong green mica + Fe-carbonate, white quartz.                                          |
| 321      | 500052mE<br>5305088mN | 11:27 am | 549439 | 41P15E081 | Float. Altered gabbro, Fe-carbonated, occasional marcasite nodule.                                             |
| 322      | 500051mE<br>5305079mN | 12:35 am | 549439 | 41P15E081 | Float. Altered gabbro, Fe-carbonated, occasional marcasite nodule.                                             |
| 323      | 500029mE<br>5305080mN | 12:52 am | 549439 | 41P15E081 | Altered gabbro, Fe-carbonated.                                                                                 |
| 324      | 500017mE<br>5305076mN | 12:55 am | 549439 | 41P15E081 | Altered gabbro, Fe-carbonated.                                                                                 |

**Table 4. con't.: Field Notes, August 27, 2022, Midlothian Lake Property, Midlothian Twp.**

| Waypoint | UTM Coordinates       | Time     | Claim  | Cell      | Notes                                                                                      |
|----------|-----------------------|----------|--------|-----------|--------------------------------------------------------------------------------------------|
| 325      | 500004mE<br>5305077mN | 12:55 am | 549439 | 41P15E081 | Altered gabbro, Fe-carbonated.                                                             |
| 326      | 499999mE<br>5305079mN | 1:14 am  | 549437 | 41P14H100 | Pillowed basalt.                                                                           |
| 327      | 499967mE<br>5305084mN | 2:02 am  | 549437 | 41P14H100 | Dolomite? strong Fe-carbonate, sheared, silicified, trace pyrite. ML22-81                  |
| 328      | 499965mE<br>5305068mN | 1:30 am  | 549437 | 41P14H100 | Pillowed basalt, brecciated, , silicified, quartz stringers, trace pyrite. ML22-82         |
| 329      | 499966mE<br>5305073mN | 1:53 am  | 549437 | 41P14H100 | Pillowed basalt, brecciated, , silicified, quartz stringers, trace pyrite. ML22-83         |
| Trail    | 499974mE<br>5305086mN | 2:06 am  | 549437 | 41P14H100 | Reforested, till and outcrop                                                               |
| 330      | 499964mE<br>5305095mN | 2:14 am  | 549437 | 41P14H100 | Basalt, sheared, Fe-carbonated.                                                            |
| 331      | 499954mE<br>5305116mN | 2:16 am  | 549437 | 41P14H100 | Boulder till, log piles, reforested spruce.                                                |
| 332      | 499964mE<br>5305044mN | 2:21 am  | 549437 | 41P14H100 | Diabase, hilltop east of trail.                                                            |
| 333      | 499944mE<br>5304992mN | 2:26 am  | 549437 | 41P14H100 | Diabase, trail.                                                                            |
| 334      | 499999mE<br>5304943mN | 2:32 am  | 549437 | 41P14H100 | Basalt, hilltop.                                                                           |
| 335      | 500014mE<br>5304928mN | 2:35 am  | 549439 | 41P15E081 | Basalt, silicified, trace pyrite, quartz stringers. Weak Fe-carbonate.                     |
| 336      | 500017mE<br>5304911mN | 2:45 am  | 549439 | 41P15E081 | Basalt, sheared, trace pyrite, quartz stringers. Strong Fe-carbonate. ML22-84              |
| 337      | 500034mE<br>5304917mN | 3:02 am  | 549439 | 41P15E081 | Basalt, Strong Fe-carbonate.                                                               |
| 338      | 500040mE<br>5304921mN | 3:18 am  | 549439 | 41P15E081 | Trench debris on trail. Basalt, Strong Fe-carbonate. Semi-massive pyrite stringer. ML22-85 |
| 339      | 500039mE<br>5304921mN | 3:23 am  | 549439 | 41P15E081 | Trench debris on trail. Silicified basalt, strong Fe-carbonate. Coarse pyrite. ML22-86     |
| 340      | 500038mE<br>5304921mN | 3:27 am  | 549439 | 41P15E081 | Trench debris on trail. Silicified basalt, strong Fe-carbonate. Trace pyrite. ML22-87      |







**Table 5.: Field Notes, August 28, 2022, Midlothian Lake Property, Midlothian Twp.**

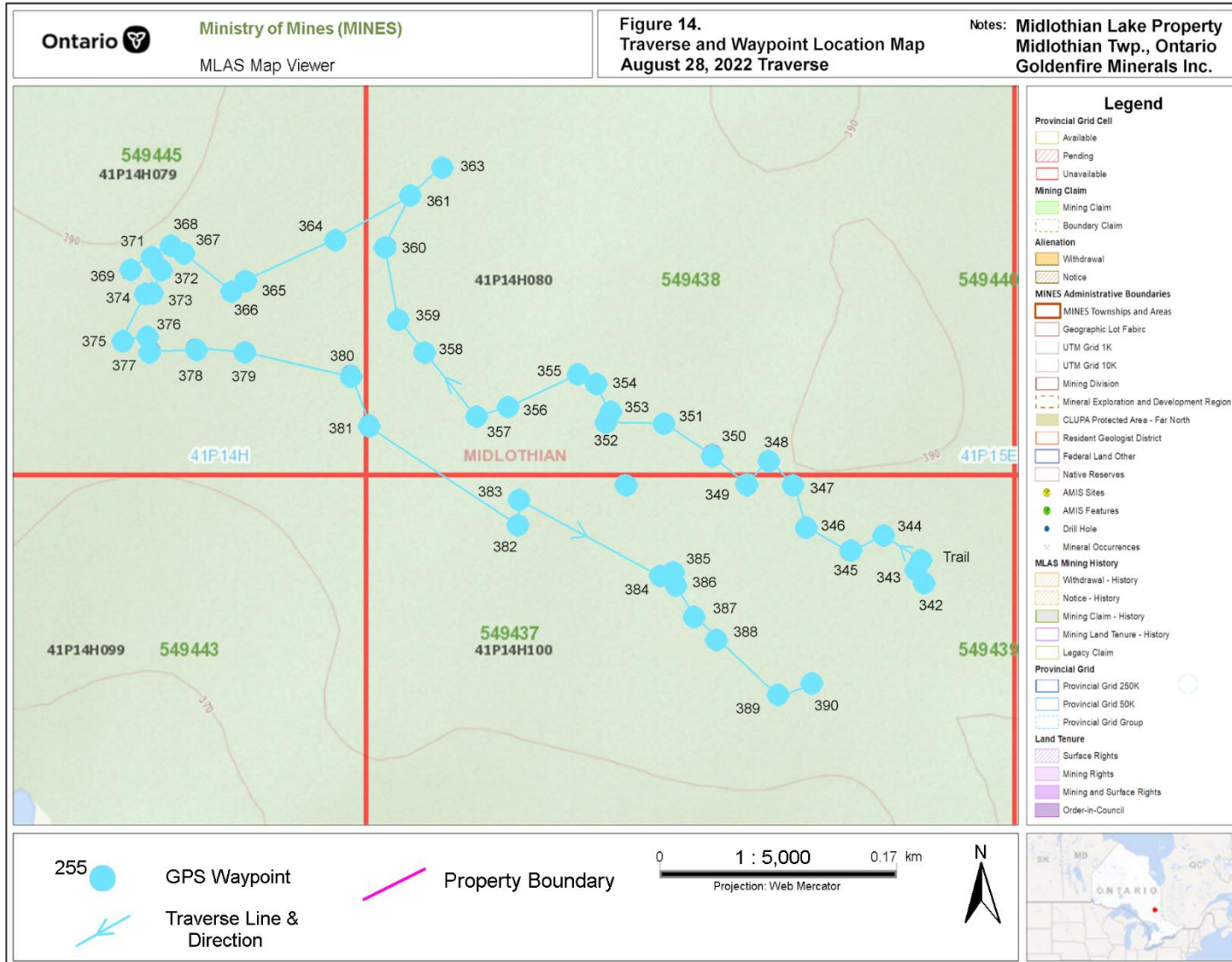
| Waypoint | UTM Coordinates       | Time     | Claim  | Cell      | Notes                                                                                                     |
|----------|-----------------------|----------|--------|-----------|-----------------------------------------------------------------------------------------------------------|
| 341      | 499932mE<br>5305126mN | 10:28 am | 549437 | 41P14H100 | Trail. Till, reforested, spruce.                                                                          |
| 342      | 499934mE<br>5305109mN | 10:28 am | 549437 | 41P14H100 | Float, large basalt boulders in till. Reforested, spruce white pine.                                      |
| 343      | 499930mE<br>5305122mN | 10:31 am | 549437 | 41P14H100 | Basalt-dolomite contact? Fe-carbonated, weak green mica, trace sulphides, grey quartz in contact. ML22-88 |
| 344      | 499905mE<br>5305144mN | 10:39 am | 549437 | 41P14H100 | Till, reforested, spruce, white pine.                                                                     |
| 345      | 499881mE<br>5305132mN | 10:49 am | 549437 | 41P14H100 | Basalt, massive and pillowed, silicified, trace pyrite.                                                   |
| 346      | 499849mE<br>5305148mN | 10:56 am | 549437 | 41P14H100 | Mafic schist, two directions of schistosity 10° and 45°, subvertical dip.                                 |
| 347      | 499839mE<br>5305178mN | 11:10 am | 549437 | 41P14H100 | Mafic metavolcanic? Strong Fe-carbonate, grey quartz.                                                     |
| 348      | 499822mE<br>5305196mN | 11:20 am | 549438 | 41P14H080 | Mafic metavolcanic? Strong Fe-carbonate, grey quartz. Lots of Fe-carbonated float.                        |
| 349      | 499806mE<br>5305179mN | 11:10 am | 549437 | 41P14H100 | Basalt.                                                                                                   |
| 350      | 499782mE<br>5305200mN | 11:27 am | 549437 | 41P14H100 | Overburden, poplar, spruce                                                                                |
| 351      | 499748mE<br>5305222mN | 11:31 am | 549437 | 41P14H100 | Creek, overburden, poplar, spruce                                                                         |
| 352      | 499706mE<br>5305225mN | 11:39 am | 549437 | 41P14H100 | Basalt Fe-carbonate boulders, rubble, man-made                                                            |
| 353      | 499708mE<br>5305229mN | 11:42 am | 549437 | 41P14H100 | Overgrown stripped area, Brecciated + Fe-carbonated basalt                                                |
| 354      | 499698mE<br>5305250mN | 11:47 am | 549437 | 41P14H100 | Basalt                                                                                                    |
| 355      | 499685mE<br>5305256mN | 11:49 am | 549437 | 41P14H100 | Basalt                                                                                                    |
| 356      | 499635mE<br>5305233mN | 12:04 pm | 549437 | 41P14H100 | Large basalt outcrop, Fe-carbonated, quartz stringers, N-S draw, diabase.                                 |

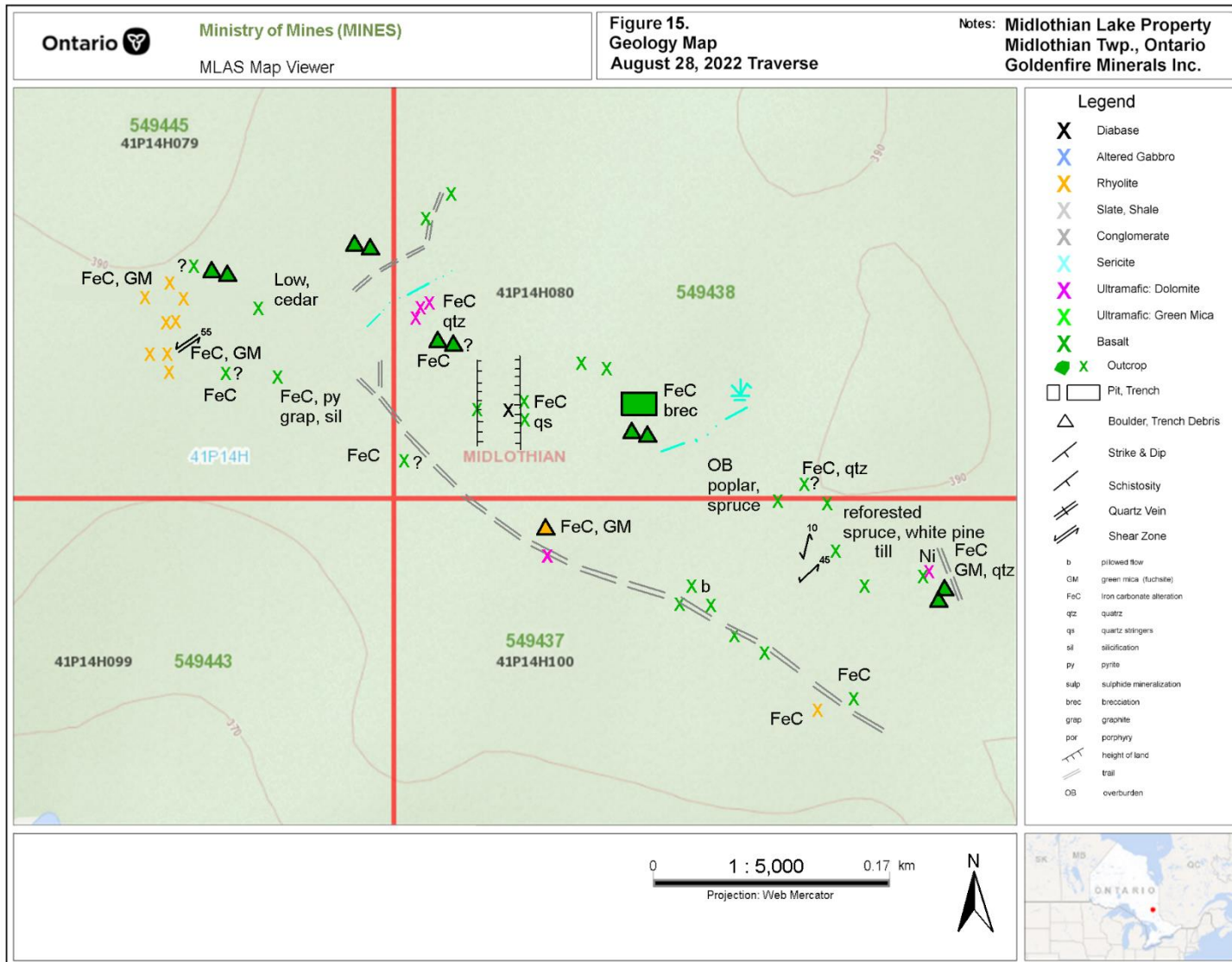
**Table 5. con't.: Field Notes, August 28, 2022, Midlothian Lake Property, Midlothian Twp.**

| Waypoint | UTM Coordinates       | Time     | Claim  | Cell      | Notes                                                                         |
|----------|-----------------------|----------|--------|-----------|-------------------------------------------------------------------------------|
| 357      | 499612mE<br>5305226mN | 12:12 pm | 549437 | 41P14H100 | Basalt                                                                        |
| 358      | 499574mE<br>5305272mN | 12:20 pm | 549437 | 41P14H100 | Float, Fe-carbonated basalt?                                                  |
| 359      | 499556mE<br>5305294mN | 12:26 pm | 549437 | 41P14H100 | Dolomite, strong Fe-carbonate, white quartz, by creek                         |
| 360      | 499547mE<br>5305346mN | 12:30 pm | 549437 | 41P14H100 | Trail                                                                         |
| 361      | 499564mE<br>5305382mN | 12:26 pm | 549437 | 41P14H100 | Pillowed basalt, Fe-carbonated.                                               |
| 363      | 499583mE<br>5305393mN | 12:35 pm | 549437 | 41P14H100 | Basalt                                                                        |
| 364      | 499510mE<br>5305350mN | 12:44 pm | 549445 | 41P14H079 | Float, basalt, Fe-carbonated.                                                 |
| 365      | 499457mE<br>5305327mN | 12:49 pm | 549445 | 41P14H079 | Low, cedar                                                                    |
| 366      | 499445mE<br>5305322mN | 12:55 pm | 549445 | 41P14H079 | Basalt, Fe-carbonated, trace chalcopyrite.                                    |
| 367      | 499401mE<br>5305341mN | 12:58 pm | 549445 | 41P14H079 | Float, basalt, Fe-carbonated.                                                 |
| 368      | 499392mE<br>5305347mN | 1:02 pm  | 549445 | 41P14H079 | Gabbro? Fe-carbonated.                                                        |
| 369      | 499363mE<br>5305329mN | 1:52 pm  | 549445 | 41P14H079 | Rhyolite, Fe-carbonated.                                                      |
| 371      | 499378mE<br>5305338mN | 1:54 pm  | 549445 | 41P14H079 | Rhyolite, Fe-carbonated, weak green mica, on rhyolite outcrop. ML22-89        |
| 372      | 499384mE<br>5305330mN | 2:02 pm  | 549445 | 41P14H079 | Rhyolite, Fe-carbonated.                                                      |
| 373      | 499377mE<br>5305313mN | 2:05 pm  | 549445 | 41P14H079 | Rhyolite, Fe-carbonated, weak green mica.                                     |
| 374      | 499374mE<br>5305312mN | 2:18 pm  | 549445 | 41P14H079 | Rhyolite, Fe-carbonated.                                                      |
| 375      | 499357mE<br>5305279mN | 2:20 pm  | 549445 | 41P14H079 | Rhyolite.                                                                     |
| 376      | 499375mE<br>5305283mN | 2:26 pm  | 549445 | 41P14H079 | Rhyolite, Fe-carbonated, weak green mica shear zone 52 <sup>0</sup> . ML22-90 |

**Table 5. con't.: Field Notes, August 28, 2022, Midlothian Lake Property, Midlothian Twp.**

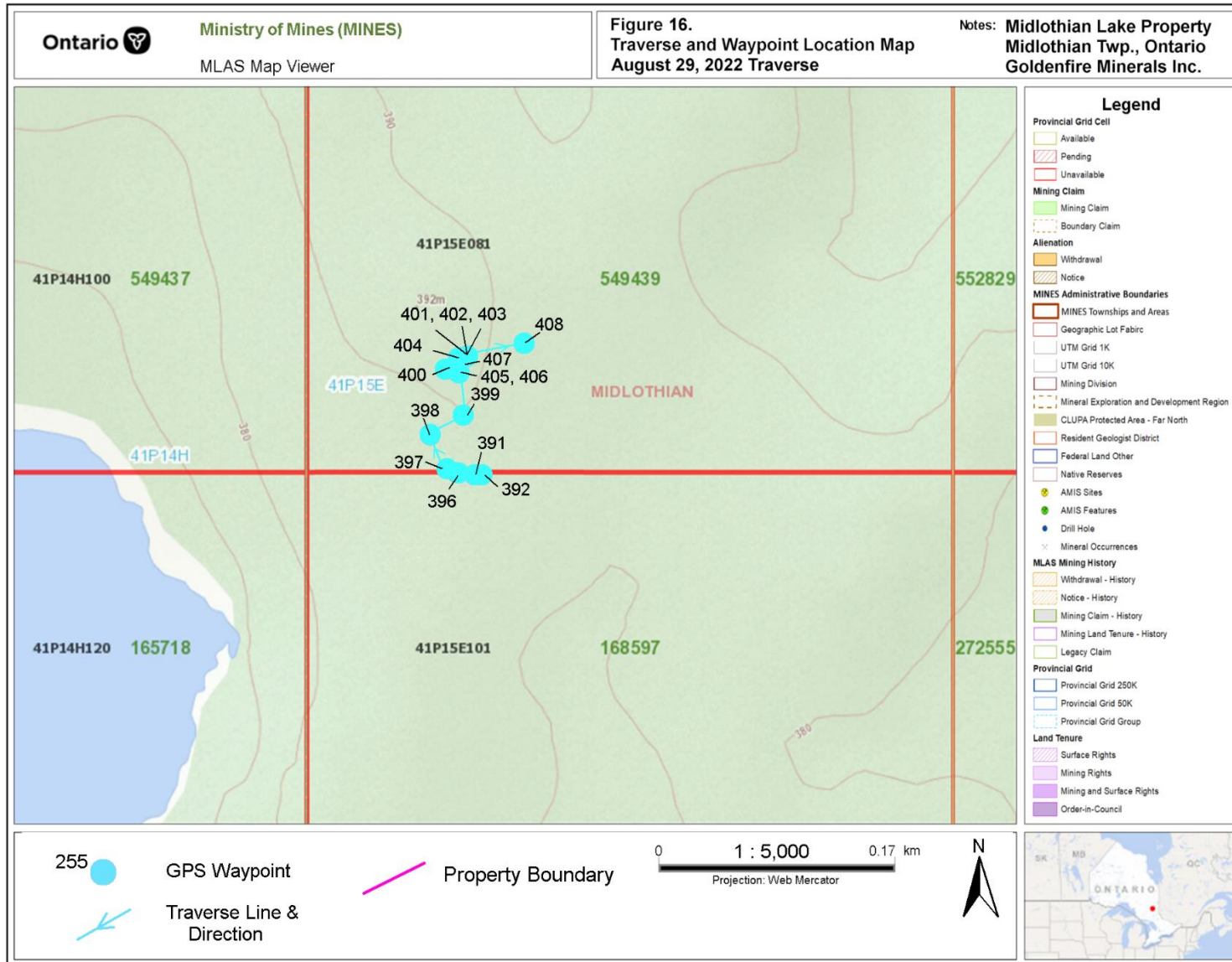
| Waypoint | UTM Coordinates       | Time    | Claim  | Cell      | Notes                                                                  |
|----------|-----------------------|---------|--------|-----------|------------------------------------------------------------------------|
| 377      | 499377mE<br>5305273mN | 2:36 pm | 549445 | 41P14H079 | Rhyolite.                                                              |
| 378      | 499409mE<br>5305274mN | 2:36 pm | 549445 | 41P14H079 | Dolomite?, Mafic Metavolcanic, strong Fe-carbonated.                   |
| 379      | 499445mE<br>5305272mN | 2:49 pm | 549445 | 41P14H079 | Mafic metavolcanic, silicified, Fe-carbonated, graphite, trace pyrite. |
| 380      | 499521mE<br>5305256mN | 2:54 pm | 549445 | 41P14H079 | Trail intersection.                                                    |
| 381      | 499534mE<br>5305220mN | 2:57 pm | 549438 | 41P14H080 | Gabbro? Fe-carbonated.                                                 |
| 382      | 499643mE<br>5305144mN | 3:07 pm | 549437 | 41P14H100 | Dolomite, Fe-carbonated.                                               |
| 383      | 499643mE<br>5305150mN | 3:17 pm | 549437 | 41P14H100 | Rhyolite float with green mica on dolomite, Fe-carbonated.             |
| 384      | 499744mE<br>5305115mN | 3:25 pm | 549437 | 41P14H100 | Pillowed to massive basalt, no alteration.                             |
| 385      | 499753mE<br>5305116mN | 3:27 pm | 549437 | 41P14H100 | Pillowed basalt, no alteration.                                        |
| 386      | 499755mE<br>5305108mN | 3:28 pm | 549437 | 41P14H100 | Pillowed to massive basalt.                                            |
| 387      | 499769mE<br>5305086mN | 3:30 pm | 549437 | 41P14H100 | Massive basalt, no alteration.                                         |
| 388      | 499784mE<br>5305070mN | 3:31 pm | 549437 | 41P14H100 | Massive basalt, weak Fe-carbonated.                                    |
| 389      | 499830mE<br>5305031mN | 3:35 pm | 549437 | 41P14H100 | Rhyolite, Fe-carbonated.                                               |
| 390      | 499854mE<br>5305039mN | 3:38 pm | 549437 | 41P14H100 | Basalt, Fe-carbonated.                                                 |

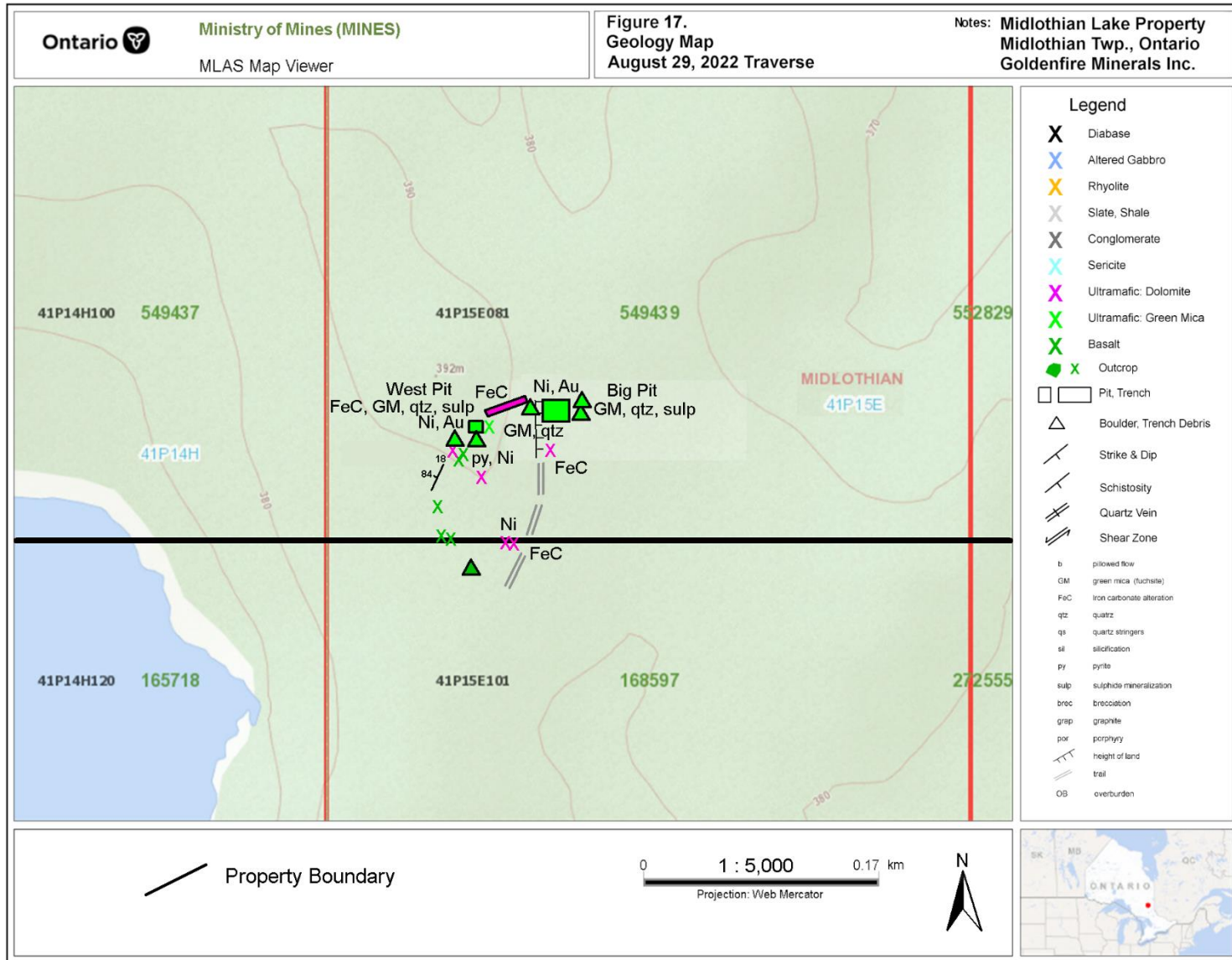




**Table 6.: Field Notes, August 29, 2022, Midlothian Lake Property, Midlothian Twp.**

| Waypoint | UTM Coordinates       | Time     | Claim  | Cell      | Notes                                                                                                                  |
|----------|-----------------------|----------|--------|-----------|------------------------------------------------------------------------------------------------------------------------|
| 391      | 500121mE<br>5304720mN | 11:35 pm | 549439 | 41P14H081 | Dolomite, Fe-carbonated.                                                                                               |
| 392      | 500123mE<br>5304720mN | 11:37 pm | 549439 | 41P14H081 | Dolomite, Fe-carbonated.                                                                                               |
| 396      | 500107mE<br>5304722mN | 12:06 pm | 549439 | 41P14H081 | Float, fine-grained gabbro.                                                                                            |
| 397      | 500101mE<br>5304724mN | 12:09 pm | 549439 | 41P14H081 | Basalt outcrops                                                                                                        |
| 398      | 500089mE<br>5304748mN | 12:14 pm | 549439 | 41P14H081 | Basalt outcrop                                                                                                         |
| 399      | 500113mE<br>530472m6N | 1:35 pm  | 549439 | 41P14H081 | Coarse-grained dolomite, Fe-carbonated.                                                                                |
| 400      | 500106mE<br>5304792mN | 1:38 pm  | 549439 | 41P15E081 | Coarse-grained dolomite, carbonated, trace fine-grained disseminated pyrite.                                           |
| 401      | 500112mE<br>5304803mN | 1:49 pm  | 549439 | 41P15E081 | West Pit, green mica and white quartz, trace to 1% sulphides                                                           |
| 402      | 500114mE<br>5304803mN | 1:58 pm  | 549439 | 41P15E081 | West Pit, trench debris, Fe-carbonated green mica and sucrosic white quartz, trace to 1% sulphides                     |
| 403      | 500113mE<br>5304804mN | 2:04 pm  | 549439 | 41P15E081 | West Pit, east side outcrop, green mica and white quartz.                                                              |
| 404      | 500110mE<br>5304801mN | 2:09 pm  | 549439 | 41P15E081 | Outcrop, green mica and white quartz.                                                                                  |
| 405      | 500102mE<br>5304795mN | 2:43 pm  | 549439 | 41P15E081 | 0.15 semi-massive pyrite stringer in mafic metavolcanic, Strike 18 <sup>0</sup> , steeply west                         |
| 406      | 500102mE<br>5304792mN | 2:51 pm  | 549439 | 41P15E081 | Same as 405, 2 m south, 0.15 semi-massive pyrite stringer in mafic metavolcanic, Strike 18 <sup>0</sup> , steeply west |
| 407      | 500107mE<br>5304796mN | 3:08 pm  | 549439 | 41P15E081 | West Pit, trench debris, Fe-carbonated green mica and grey quartz, trace to 1% sulphides                               |
| 408      | 500157mE<br>5304814mN | 3:49 pm  | 549439 | 41P15E081 | West of Big Pit, trench debris? Brecciated, Fe-carbonated green mica grey quartz matrix, on dolomite outcrop.          |





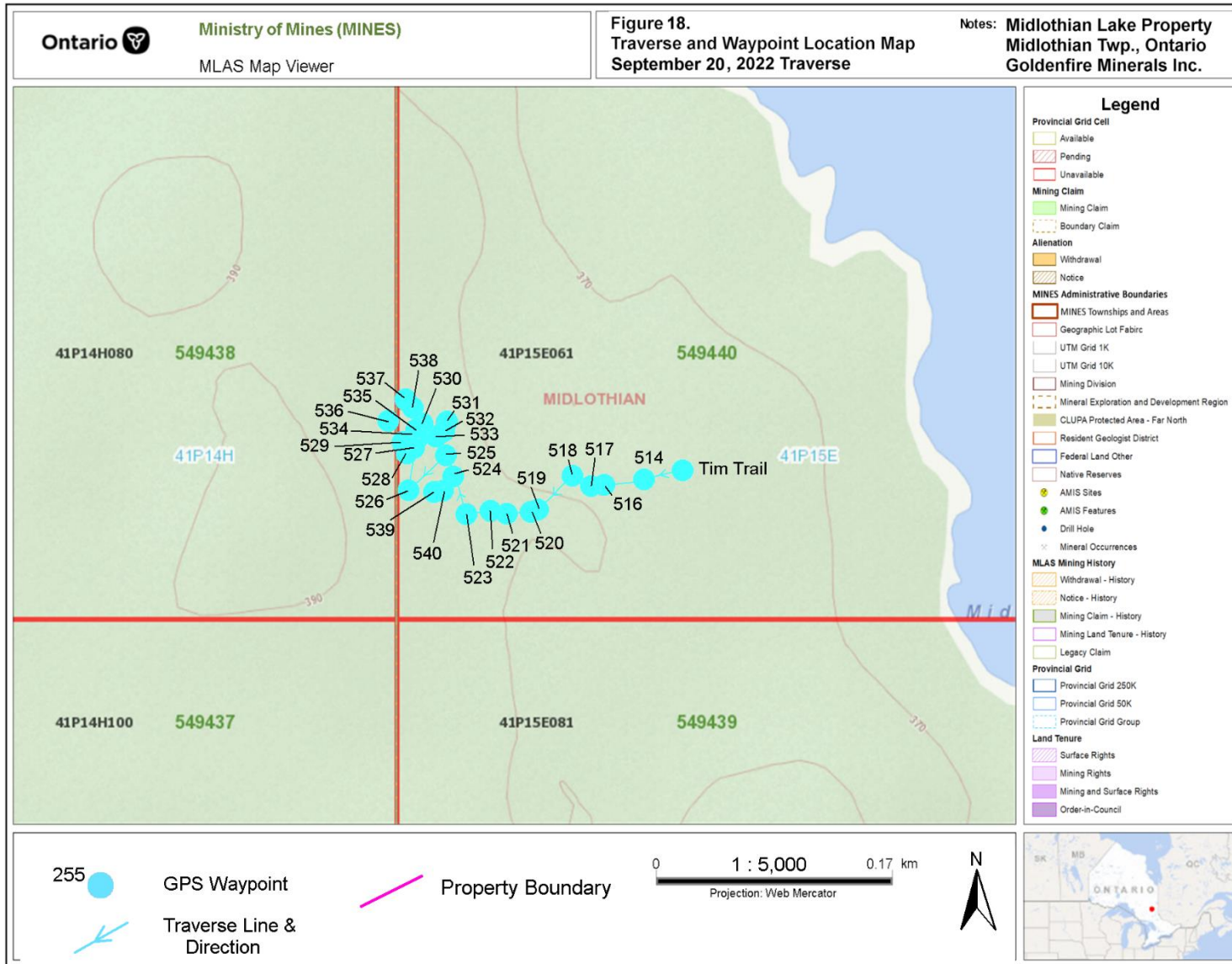


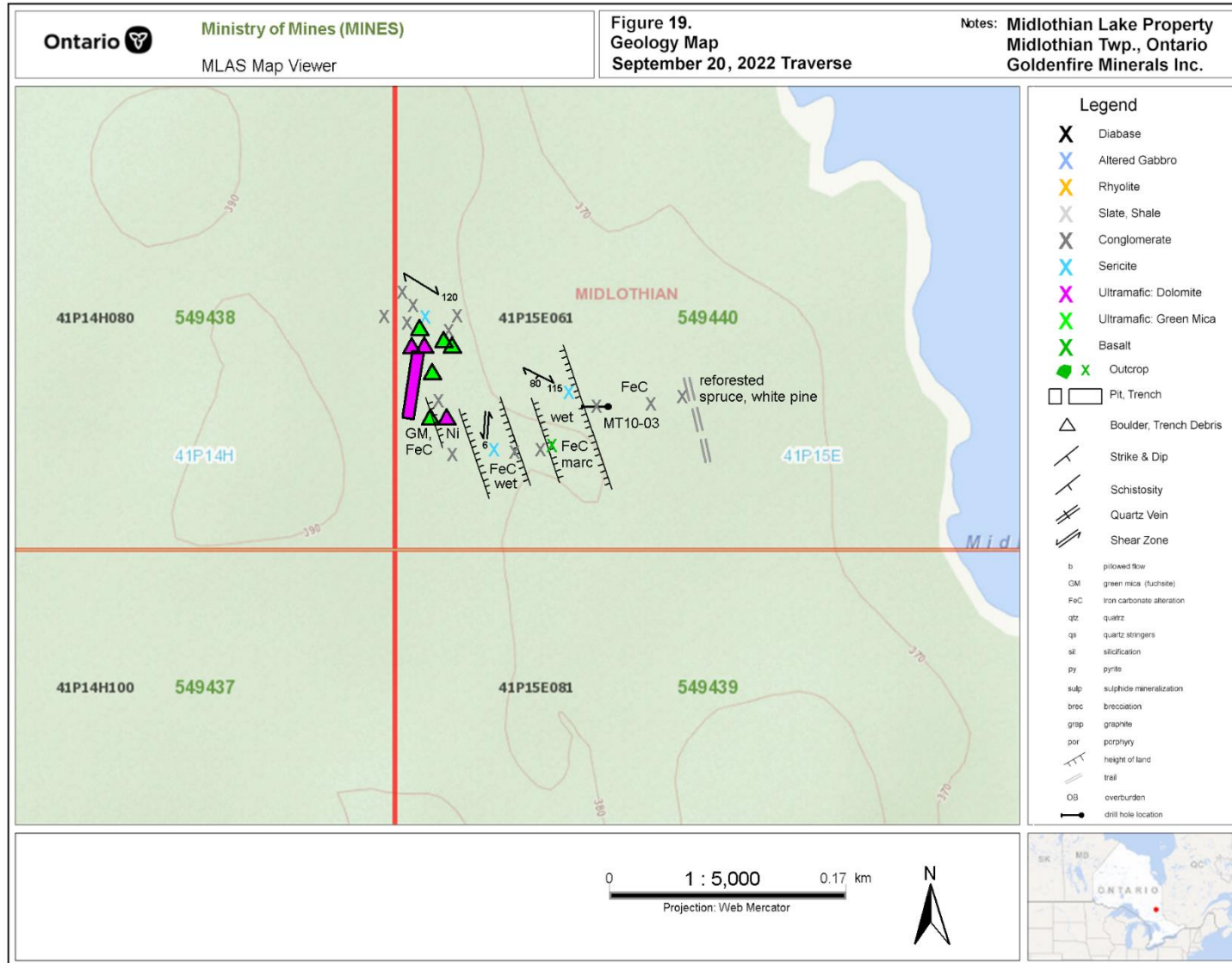
**Table 7.: Field Notes, September 20, 2022, Midlothian Lake Property, Midlothian Twp.**

| Waypoint  | UTM Coordinates       | Time     | Claim  | Cell      | Notes                                                                                                 |
|-----------|-----------------------|----------|--------|-----------|-------------------------------------------------------------------------------------------------------|
| Tim Trail | 500206mE<br>5305290mN | 10:07 am | 549440 | 41P15E061 | Trail, conglomerate, reforested spruce.                                                               |
| 514       | 500178mE<br>5305284mN | 10:15 am | 549440 | 41P15E061 | Conglomerate, Fe-carbonated, reforested spruce, white pine.                                           |
| 516       | 500149mE<br>5305280mN | 10:36 am | 549440 | 41P15E061 | Collar DDH MT10-03                                                                                    |
| 517       | 500140mE<br>5305279mN | 10:44 am | 549440 | 41P15E061 | Conglomerate, Fe-carbonated, white pine.                                                              |
| 518       | 500126mE<br>5305287mN | 10:49 am | 549440 | 41P15E061 | Sericite schist 115 <sup>0</sup> , dip 80 <sup>0</sup> S, Fe-carbonated in lineament 162 <sup>0</sup> |
| 519       | 500100mE<br>5305262mN | 11:03 am | 549440 | 41P15E061 | Mafic metavolcanic, Fe-carbonated, marcasite nodules. west side lineament.                            |
| 520       | 500096mE<br>5305261mN | 11:06 am | 549440 | 41P15E061 | Conglomerate, Fe-carbonated.                                                                          |
| 521       | 500079mE<br>5305260mN | 11:15 am | 549440 | 41P15E061 | Conglomerate, Fe-carbonated, east side of lineament 162 <sup>0</sup>                                  |
| 522       | 500067mE<br>5305261mN | 11:19 am | 549440 | 41P15E061 | Shear, 6 <sup>0</sup> , Fe-carbonated, in lineament 162 <sup>0</sup>                                  |
| 523       | 500050mE<br>5305260mN | 11:23 am | 549440 | 41P15E061 | Conglomerate? Fe-carbonated.                                                                          |
| 524       | 500040mE<br>5305286mN | 11:30 am | 549440 | 41P15E061 | Conglomerate Fe-carbonated.                                                                           |
| 525       | 500035mE<br>5305301mN | 11:45 am | 549440 | 41P15E061 | Small float 0.1x0.07x0.05m green mica, Fe-carbonated with grey quartz on Fe-carbonated outcrop.       |
| 526       | 500008mE<br>5305276mN | 12:26 pm | 549440 | 41P15E061 | South end of trench, Fe-carbonated dolomite outcrop with patchy green mica, grey and white quartz.    |
| 527       | 500009mE<br>5305305mN | 12:33 pm | 549440 | 41P15E061 | North end of trench, Fe-carbonated dolomite outcrop with patchy green mica, grey and white quartz.    |

**Table 7.: Field Notes, September 20, 2022, Midlothian Lake Property, Midlothian Twp.**

| Waypoint | UTM Coordinates       | Time    | Claim  | Cell      | Notes                                                                                                                  |
|----------|-----------------------|---------|--------|-----------|------------------------------------------------------------------------------------------------------------------------|
| 528      | 500006mE<br>5305303mN | 1:10 pm | 549440 | 41P15E061 | Large boulder north end of trench, Fe-carbonated dolomite outcrop with patchy green mica, grey and white quartz.       |
| 529      | 500003mE<br>5305309mN | 1:17 pm | 549440 | 41P15E061 | Large boulder north of trench 1.5x2x0.75m, Fe-carbonated dolomite outcrop with green mica, grey and white quartz.      |
| 530      | 500017mE<br>5305321mN | 1:27 pm | 549440 | 41P15E061 | Sericite schist 120 <sup>0</sup> , Fe-carbonated.                                                                      |
| 531      | 500035mE<br>5305324mN | 1:47 pm | 549440 | 41P15E061 | Conglomerate, silicified, Fe-carbonated.                                                                               |
| 532      | 500031mE<br>5305316mN | 1:49 pm | 549440 | 41P15E061 | Conglomerate                                                                                                           |
| 533      | 500027mE<br>5305314mN | 1:54 pm | 549440 | 41P15E061 | Numerous green mica with grey quartz float by Fe-carbonate outcrop. 3 rock samples. Ni reaction with Dimethylglyoxime. |
| 534      | 500012mE<br>5305311mN | 2:10 pm | 549440 | 41P15E061 | Float, green mica with grey quartz float, Fe-carbonated, 1% sulphides.                                                 |
| 535      | 500013mE<br>5305318mN | 2:15 pm | 549440 | 41P15E061 | Conglomerate                                                                                                           |
| 536      | 499994mE<br>5305325mN | 2:19 pm | 549438 | 41P15E080 | Conglomerate                                                                                                           |
| 537      | 500005mE<br>5305339mN | 2:20 pm | 549440 | 41P15E061 | Conglomerate                                                                                                           |
| 538      | 500011mE<br>5305335mN | 2:23 pm | 549440 | 41P15E061 | Conglomerate, weak green mica.                                                                                         |
| 539      | 500027mE<br>5305275mN | 2:50 pm | 549440 | 41P15E061 | Float in root turn, top of hill on Fe-carbonated dolomite outcrop, green mica with white quartz. 2 samples             |
| 540      | 500031mE<br>5305276mN | 3:03 pm | 549440 | 41P15E061 | Float bottom of hill, numerous pieces, Fe-carbonated dolomite patchy green mica with grey and white quartz.            |



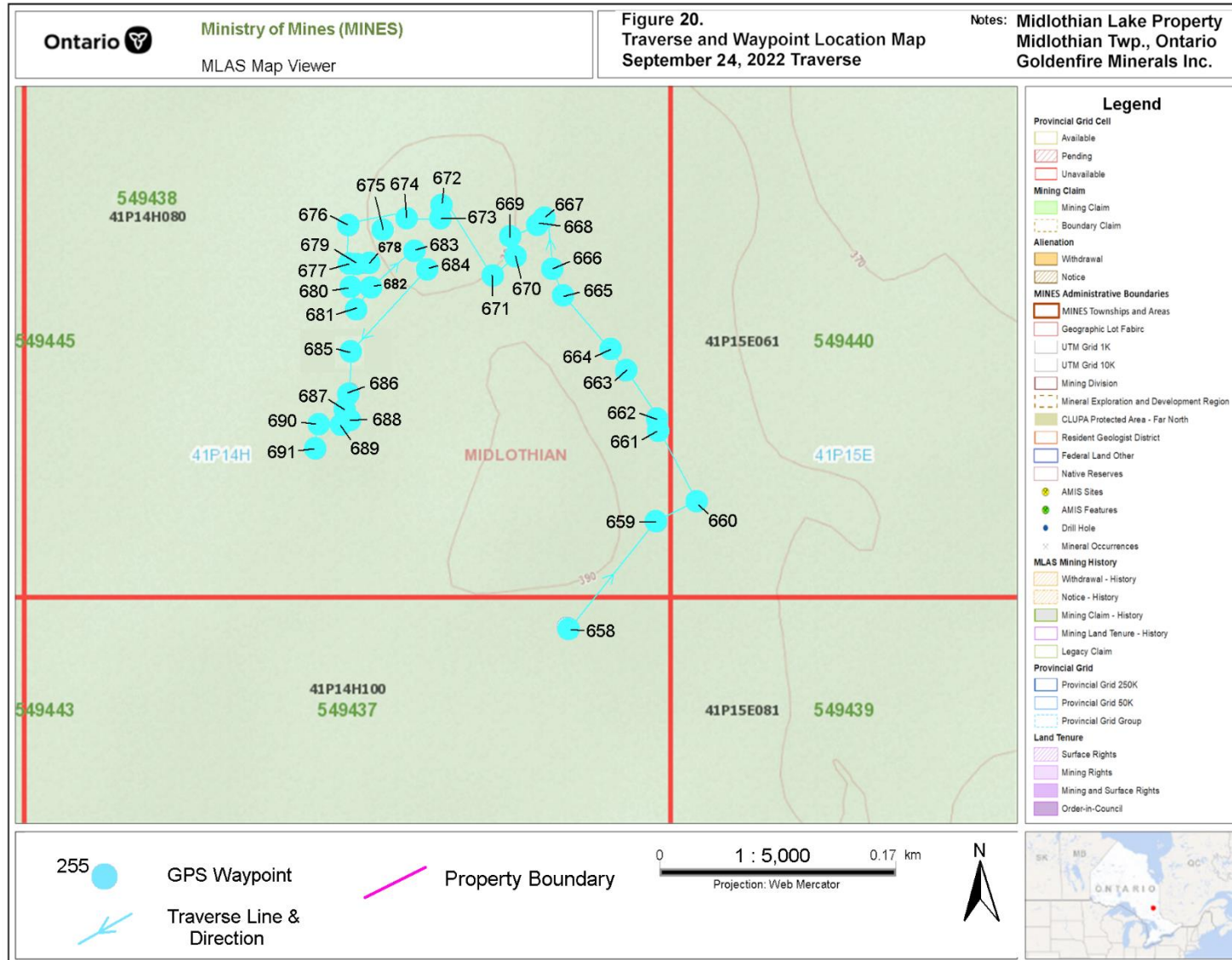


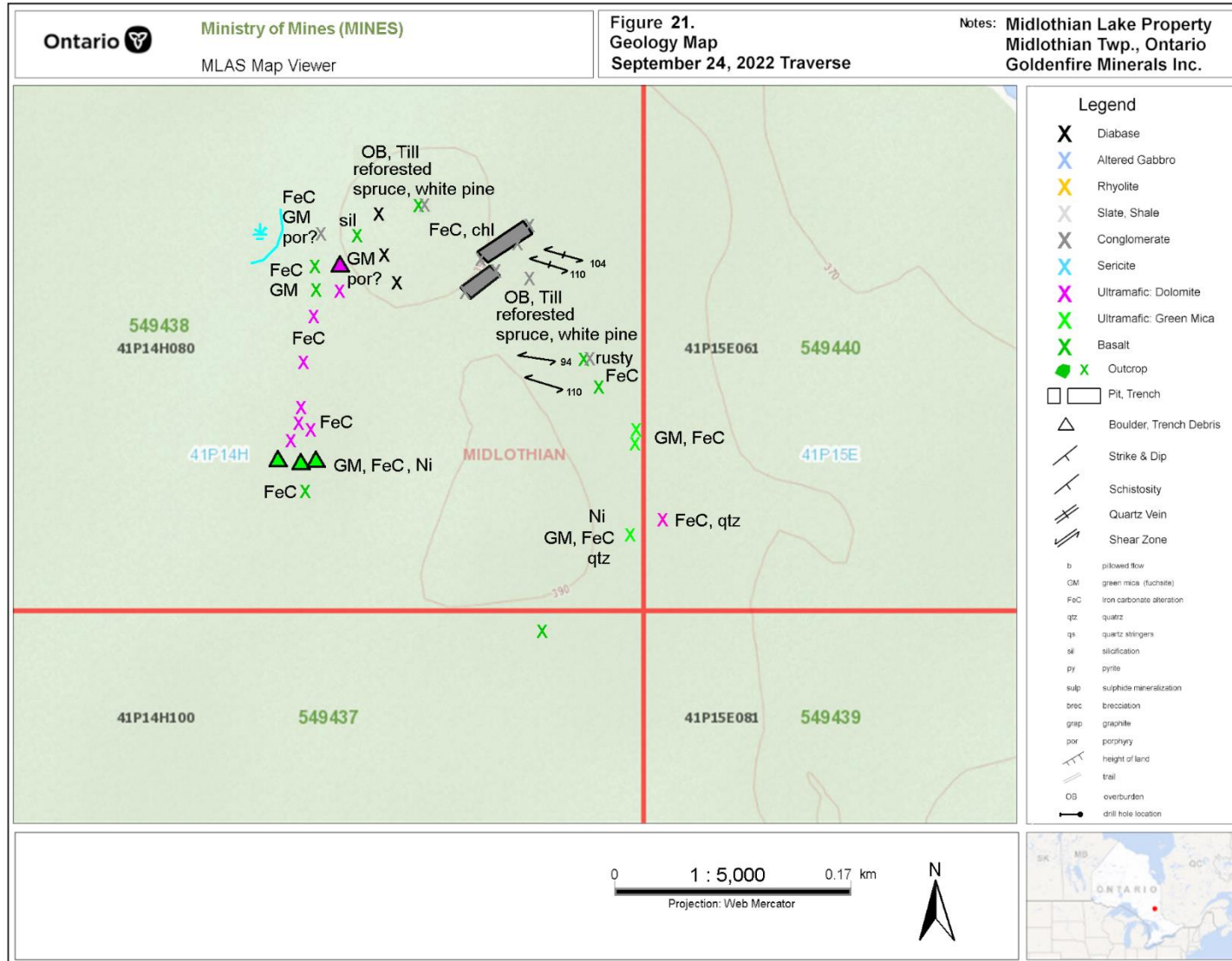
**Table 8.: Field Notes, September 24, 2022, Midlothian Lake Property, Midlothian Twp.**

| Waypoint | UTM Coordinates       | Time     | Claim  | Cell      | Notes                                                                                                                                        |
|----------|-----------------------|----------|--------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------|
| 658      | 499924mE<br>5305164mN | 9:44 am  | 549437 | 41P15E100 | Basalt                                                                                                                                       |
| 659      | 499990mE<br>5305239mN | 9:53 am  | 549438 | 41P15E080 | Green mica, Fe-carbonate, grey quartz, south side of dolomite unit. ML22-111                                                                 |
| 660      | 500018mE<br>5305253mN | 10:08 am | 549440 | 41P15E081 | South side of dolomite unit. Fe-carbonate, white and grey quartz.                                                                            |
| 661      | 499990mE<br>5305305mN | 10:44 am | 549438 | 41P15E080 | Green mica, Fe-carbonate, grey quartz, north side of dolomite unit. ML22-119                                                                 |
| 662      | 499989mE<br>5305312mN | 10:59 am | 549438 | 41P15E080 | Green mica, Fe-carbonate, north side of dolomite unit.                                                                                       |
| 663      | 499967mE<br>5305345mN | 11:04 am | 549438 | 41P15E080 | Mafic metavolcanic, sheared, 2 shear fabrics 110 <sup>0</sup> , 94 <sup>0</sup> , possible felsic – Fe-carbonated dike parallel schistosity. |
| 664      | 499957mE<br>5305361mN | 11:15 am | 549438 | 41P15E080 | Mafic metavolcanic and rusty conglomerate.                                                                                                   |
| 665      | 499922mE<br>5305399mN | 11:19 am | 549438 | 41P15E080 | Overburden, till, reforested, spruce, white pine.                                                                                            |
| 666      | 499914mE<br>5305417mN | 11:23 am | 549438 | 41P15E080 | Conglomerate.                                                                                                                                |
| 667      | 499907mE<br>5305452mN | 11:28 am | 549438 | 41P15E080 | North end trench.                                                                                                                            |
| 668      | 499904mE<br>5305449mN | 11:30 am | 549438 | 41P15E080 | Conglomerate. Chlorite - Fe-carbonate shears 104 <sup>0</sup> and 110 <sup>0</sup>                                                           |
| 669      | 499896mE<br>5305426mN | 11:34 am | 549438 | 41P15E080 | South end trench. Conglomerate.                                                                                                              |
| 670      | 499883mE<br>5305440mN | 11:36 am | 549438 | 41P15E080 | North end trench. Conglomerate.                                                                                                              |
| 671      | 499872mE<br>5305412mN | 11:39 am | 549438 | 41P15E080 | South end trench. Conglomerate.                                                                                                              |
| 672      | 499833mE<br>5305463mN | 11:46 am | 549438 | 41P15E080 | Overburden, till, spruce, white pine.                                                                                                        |
| 673      | 499833mE<br>5305452mN | 12:13 pm | 549438 | 41P15E080 | Mafic metavolcanic and conglomerate.                                                                                                         |
| 674      | 499809mE<br>5305453mN | 12:16 pm | 549438 | 41P15E080 | Diabase                                                                                                                                      |
| 675      | 499792mE<br>5305445mN | 12:20 pm | 549438 | 41P15E080 | Mafic metavolcanic, silicified.                                                                                                              |

**Table 8. con't.: Field Notes, September 24, 2022, Midlothian Lake Property, Midlothian Twp.**

| Waypoint | UTM Coordinates        | Time     | Claim  | Cell      | Notes                                                                                                                       |
|----------|------------------------|----------|--------|-----------|-----------------------------------------------------------------------------------------------------------------------------|
| 676      | 499767mE<br>5305447mN  | 12:28 pm | 549438 | 41P15E080 | Conglomerate, Fe-carbonated + green mica porphyry? ML22-120                                                                 |
| 677      | 499772mE<br>5305421mN  | 12:37 pm | 549438 | 41P15E080 | Mafic metavolcanic, Fe-carbonated.                                                                                          |
| 678      | 499780mE<br>5305421mN  | 12:39 pm | 549438 | 41P15E080 | Large boulder of Fe-carbonated + green mica porphyry? ML22-121                                                              |
| 679      | 499774mE<br>5305421mN  | 12:52 pm | 549438 | 41P15E080 | Pond 25 m to the west                                                                                                       |
| 680      | 499769mE<br>5305404mN  | 12:53 pm | 549438 | 41P15E080 | Mafic metavolcanic, Fe-carbonated.                                                                                          |
| 681      | 499773mE<br>5305388mN  | 12:58 pm | 549438 | 41P15E080 | Dolomite, Fe-carbonated.                                                                                                    |
| 682      | 499782mE<br>5305404mN  | 1:05 pm  | 549438 | 41P15E080 | Dolomite, Fe-carbonated.                                                                                                    |
| 683      | 4997814mE<br>5305430mN | 1:08 pm  | 549438 | 41P15E080 | Diabase                                                                                                                     |
| 684      | 4997824mE<br>5305417mN | 1:11 pm  | 549438 | 41P15E080 | Diabase                                                                                                                     |
| 685      | 499772mE<br>5305353mN  | 1:31 pm  | 549438 | 41P15E080 | Dolomite, Fe-carbonated, white quartz, trace sulphides. ML22-112                                                            |
| 686      | 499768mE<br>5305330mN  | 1:42 pm  | 549438 | 41P15E080 | Dolomite, Fe-carbonated. ML22-122                                                                                           |
| 687      | 499764mE<br>5305318mN  | 1:50 pm  | 549438 | 41P15E080 | Dolomite, Fe-carbonated.                                                                                                    |
| 688      | 499766mE<br>5305310mN  | 1:52 pm  | 549438 | 41P15E080 | Dolomite, Fe-carbonated.                                                                                                    |
| 689      | 499762mE<br>5305307mN  | 1:54 pm  | 549438 | 41P15E080 | Dolomite + gabbro? Fe-carbonated.                                                                                           |
| 690      | 499746mE<br>5305308mN  | 1:59 pm  | 549438 | 41P15E080 | Dolomite Fe-carbonated.                                                                                                     |
| 691      | 499743mE<br>5305290mN  | 2:41 pm  | 549438 | 41P15E080 | Numerous large green mica boulders with white quartz, possible stripped or old pit. Six rock samples, ML22-113 to ML22-118. |







**Table 9.: Rock Sample Locations, Descriptions & Assays,  
Midlothian Lake Property, Midlothian Twp.**

| Sample Number | GPS Waypoint | UTM Coordinates       | Claim Cell          | Au ppm | Ni ppm | Co ppm | Sb ppm | Notes                                                                                                                                                                   |
|---------------|--------------|-----------------------|---------------------|--------|--------|--------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ML22-52       | 232          | 500106mE<br>5304798mN | 549439<br>41P15E081 | 1.03   | 749    | 40.0   | 2      | Dolomite with weak green mica, Fe-carbonated, float 0.5x0.5x0.4 m near pit, trace-1% sulphides. Ni reaction with Dimethylglyoxime.                                      |
| ML22-53       | 234          | 500109mE<br>5304808mN | 549439<br>41P15E081 | 0.187  | 974    | 109.0  | 21     | Pit, dolomite Fe-carbonated, quartz stringers, trace sulphides. Ni reaction with Dimethylglyoxime.                                                                      |
| ML22-54       | 235          | 500109mE<br>5304804mN | 549439<br>41P15E081 | 0.021  | 1040   | 84.0   | 1      | Pit, green mica + white quartz stringers, Fe-carbonated, quartz stringers, trace sulphides. Ni reaction with Dimethylglyoxime.                                          |
| ML22-55       | 236          | 500109mE<br>5304804mN | 549439<br>41P15E081 | 0.016  | 809    | 61.4   | 1      | Pit, white quartz + green mica, Fe-carbonated, trace sulphides. Ni reaction with Dimethylglyoxime.                                                                      |
| ML22-56       | 237          | 500103mE<br>5304905mN | 549439<br>41P15E081 | 0.013  | 843    | 71.5   | 23     | Float, mafic metavolcanic possibly gabbro, weak green mica and white quartz stringers, Fe-carbonated. 1,900 ppm Cr, 133 ppm Li                                          |
| ML22-57       | 238          | 500106mE<br>5304909mN | 549439<br>41P15E081 | 0.009  | 250    | 48.6   | 10     | Altered gabbro? Fe-carbonated, white quartz stringers <0.5 cm wide. 196 ppm Li                                                                                          |
| ML22-58       | 239          | 500106mE<br>5304909mN | 549439<br>41P15E081 | 0.004  | 67.8   | 38.8   | <1     | Altered gabbro? Fe-carbonated. 115 ppm Li                                                                                                                               |
| ML22-59       | 241          | 500052mE<br>5304913mN | 549439<br>41P15E081 | 0.013  | 115    | 59.6   | 3      | Trench debris. Mylonitized, silicified, Fe-carbonated mafic metavolcanic? Disseminated to semi-massive pyrite.                                                          |
| ML22-60       | 242          | 500059mE<br>5304912mN | 549439<br>41P15E081 | 0.006  | 57.9   | 21.7   | 5      | Fe-carbonated and gossaned felsic? With patchy to semi-massive pyrite.                                                                                                  |
| ML22-61       | 292          | 500162mE<br>5304800mN | 549439<br>41P15E081 | 0.009  | 646    | 42.6   | 5      | Big Pit. Weak green mica and light green dolomite, Fe-carbonated with grey and white quartz stringers. Ni reaction with Dimethylglyoxime.                               |
| ML22-62       | 293          | 500166mE<br>5304822mN | 549439<br>41P15E081 | 0.148  | 981    | 65.9   | 72     | Debris in Big Pit, moderate green mica, Fe-carbonated with grey and white quartz stringers. Trace -1% fine sulphides. Ni reaction with Dimethylglyoxime. 1,160 ppm As   |
| ML22-63       | 294          | 500166mE<br>5304821mN | 549439<br>41P15E081 | 0.165  | 1220   | 90.4   | 39     | Debris in Big Pit, strong green mica, Fe-carbonated with grey and white quartz stringers. Trace -3% fine sulphides. Trace malachite. Ni reaction with Dimethylglyoxime. |
| ML22-64       | 295          | 500164mE<br>5304814mN | 549439<br>41P15E081 | 0.205  | 1410   | 97.6   | 60     | Debris in Big Pit, strong green mica, Fe-carbonated with grey and white quartz stringers. Trace -3% fine sulphides. Ni reaction with Dimethylglyoxime.                  |

**Table 9.: Rock Sample Locations, Descriptions & Assays, Midlothian Lake Property, Midlothian Twp.**

| Sample Number | GPS Waypoint | UTM Coordinates       | Claim Cell          | Au ppm | Ni ppm | Co ppm | Sb ppm | Notes                                                                                                                                                                                      |
|---------------|--------------|-----------------------|---------------------|--------|--------|--------|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ML22-65       | 296          | 500163mE<br>5304815mN | 549439<br>41P15E081 | 0.285  | 684    | 40.3   | 55     | Same as ML22-64. Debris by Big Pit, strong green mica + dolomite, Fe-carbonated with white quartz stringers. Trace -3% fine sulphides. Trace malachite. Ni reaction with Dimethylglyoxime. |
| ML22-66       | 297          | 500105mE<br>5304839mN | 549439<br>41P15E081 | 0.056  | 960    | 64.5   | 7      | Small pit. Strong green mica, Fe-carbonated with white quartz, 1-5% sulphides, trace stibnite? Ni reaction with Dimethylglyoxime.                                                          |
| ML22-67       | 298          | 500098mE<br>5304836mN | 549439<br>41P15E081 | 0.037  | 894    | 70.6   | 6      | Small pit. Strong green mica, Fe-carbonated, brecciated with grey and white quartz, 1-3% sulphides, Ni reaction with Dimethylglyoxime.                                                     |
| ML22-68       | 298          | 500098mE<br>5304836mN | 549439<br>41P15E081 | 0.023  | 264    | 42.2   | 3      | Small pit. Magnesite and green mica, white quartz, 1-5% sulphides.                                                                                                                         |
| ML22-69       | 304          | 500127mE<br>5304986mN | 549439<br>41P15E081 | 0.005  | 819    | 97.4   | 20     | Float, mylonitized, fine-grained, weak green mica on Fe-carbonated outcrop with quartz. Trace sulphides. Ni reaction with Dimethylglyoxime.                                                |
| ML22-70       | 304          | 500127mE<br>5304986mN | 549439<br>41P15E081 | 0.006  | 421    | 41.4   | 14     | Float, mylonitized, very weak green mica, Fe-carbonated, white quartz.                                                                                                                     |
| ML22-71       | 305          | 500136mE<br>5304978mN | 549439<br>41P15E081 | 0.005  | 626    | 64.6   | 20     | Float in low at base of hill, patchy green mica in dolomite, Fe-carbonate, white quartz, rusty, numerous pieces.                                                                           |
| ML22-72       | 306          | 500131mE<br>5304962mN | 549439<br>41P15E081 | 0.007  | 653    | 61.4   | 16     | Float in low at base of hill, patchy green mica in dolomite, Fe-carbonate, grey quartz, trace coarse sulphides. Ni reaction with Dimethylglyoxime.                                         |
| ML22-73       | 307          | 500131mE<br>5304961mN | 549439<br>41P15E081 | 0.029  | 612    | 67.0   | 22     | Float in low at base of hill, patchy green mica in dolomite/altered gabbro? Marcasite, Fe-carbonate, white quartz, rusty, numerous pieces. Ni reaction with Dimethylglyoxime.              |
| ML22-74       | 308          | 500119mE<br>5304953mN | 549439<br>41P15E081 | 0.017  | 106    | 27.5   | 7      | Weak green mica in altered gabbro/dolomite, Fe-carbonate, silicified, trace sulphides. Ni reaction with Dimethylglyoxime.                                                                  |
| ML22-75       | 309          | 500128mE<br>5304961mN | 549439<br>41P15E081 | 0.011  | 652    | 63.1   | 20     | Float in low at base of hill, altered gabbro, brecciated, moderate green mica, Fe-carbonate, 5 cm marcasite-quartz nodule. Ni reaction with Dimethylglyoxime.                              |
| ML22-76       | 316          | 500093mE<br>5305094mN | 549439<br>41P15E081 | 0.008  | 693    | 52.9   | 14     | Altered and sheared conglomerate with white quartz stringers <1 cm, trace pyrite in wallrock. 119 ppm Li                                                                                   |
| ML22-77       | 319          | 500057mE<br>5305091mN | 549439<br>41P15E081 | 0.010  | 664    | 83.1   | 32     | Float 1.0x0.5x0.3m conglomerate? Sheared, Fe-carbonate, green mica. 101 ppm Cu                                                                                                             |
| ML22-78       | 320          | 500057mE<br>5305091mN | 549439<br>41P15E081 | 0.006  | 219    | 25.7   | 26     | Same as ML22-77, float conglomerate? Sheared, Fe-carbonate, white quartz, weak green mica                                                                                                  |

**Table 9.: Rock Sample Locations, Descriptions & Assays, Midlothian Lake Property, Midlothian Twp.**

| Sample Number | GPS Waypoint | UTM Coordinates       | Claim Cell          | Au ppm | Ni ppm | Co ppm | Sb ppm | Notes                                                                                                                                                                                                                               |
|---------------|--------------|-----------------------|---------------------|--------|--------|--------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ML22-79       | 321          | 500052mE<br>5305088mN | 549439<br>41P15E081 | 0.007  | 482    | 39.9   | 23     | Float, altered gabbro dyke, brecciated, several 1 cm marcasite nodules. 116 ppm Li                                                                                                                                                  |
| ML22-80       | 322          | 500051mE<br>5305079mN | 549439<br>41P15E081 | 0.034  | 643    | 66.8   | 34     | Float, altered gabbro dyke, brecciated, several 4x1.5 cm marcasite nodules. 132 ppm Li                                                                                                                                              |
| ML22-81       | 327          | 499967mE<br>5305084mN | 549437<br>41P15E100 | 0.003  | 1640   | 88.0   | 18     | Strong Fe-carbonate, silicified, dolomite? trace pyrite beside un-altered basalt                                                                                                                                                    |
| ML22-82       | 328          | 499965mE<br>5305068mN | 549437<br>41P15E100 | 0.013  | 51.4   | 25.3   | 8      | Pillowed basalt, Fe-carbonate, silicified, quartz stringers, trace pyrite                                                                                                                                                           |
| ML22-83       | 329          | 499966mE<br>5305073mN | 549437<br>41P15E100 | 0.005  | 53     | 9.0    | 3      | Same outcrop as ML22-82. Altered pillowed basalt, Fe-carbonate, quartz stringers, trace pyrite, close to shear zone                                                                                                                 |
| ML22-84       | 336          | 500017mE<br>5304911mN | 549437<br>41P15E100 | 0.004  | 1680   | 120.0  | 18     | Dolomite, Fe-carbonate, patchy sulphides <1%, Shear zone                                                                                                                                                                            |
| ML22-85       | 338          | 500040mE<br>5304921mN | 549437<br>41P15E100 | 0.012  | 351    | 41.5   | 4      | Float, 0.5x0.5x0.3m, mafic metavolcanic silicified, Fe-carbonated with patchy pyrite, trace-20%                                                                                                                                     |
| ML22-86       | 339          | 500039mE<br>5304921mN | 549439<br>41P15E081 | 0.005  | 1150   | 90.7   | 9      | Trench debris, dolomite, Fe-carbonate, patchy coarse sulphides <1%, white quartz stringers.                                                                                                                                         |
| ML22-87       | 340          | 500038mE<br>5304921mN | 549439<br>41P15E081 | 0.006  | 515    | 47.1   | 16     | Trench debris on trail, dolomite, Fe-carbonate, trace patchy sulphides, white quartz stringers.                                                                                                                                     |
| ML22-88       | 343          | 499930mE<br>5305122mN | 549437<br>41P15E100 | 0.005  | 912    | 62.2   | 12     | Dolomite and mafic metavolcanic, grey quartz, Fe-carbonated, brecciated, 1-2% fine sulphides in quartz and wallrock.                                                                                                                |
| ML22-89       | 371          | 499938mE<br>5305338mN | 549437<br>41P15E100 | 0.004  | 36.2   | 7.4    | <1     | Fe-carbonated rhyolite float with weak green mica on Fe-carbonated rhyolite outcrop.                                                                                                                                                |
| ML22-90       | 376          | 499375mE<br>5305283mN | 549437<br>41P15E100 | 0.003  | 125    | 44.3   | 3      | Fe-carbonated rhyolite with weak green mica, 1.3 m wide shear striking 52°                                                                                                                                                          |
| ML22-91       | 391          | 500123mE<br>5304720mN | 549437<br>41P15E100 | 0.100  | 1040   | 58.9   | 44     | Green mica with white and grey quartz stringers, Fe-carbonate. 695 ppm As                                                                                                                                                           |
| ML22-92       | 400          | 500109mE<br>5304792mN | 549437<br>41P15E100 | 0.953  | 1050   | 121.0  | 35     | Same as 232, ML22-52, dolomite and green mica with patchy disseminated to cubic sulphides in wallrock, white quartz stringers, Fe-carbonate. , float 0.5x0.5x0.4 m near pit, trace-1% sulphides. Ni reaction with Dimethylglyoxime. |

**Table 9. con't.: Rock Sample Locations, Descriptions & Assays, Midlothian Lake Property, Midlothian Twp.**

| Sample Number | GPS Waypoint | UTM Coordinates       | Claim Cell          | Au ppm | Ni ppm | Co ppm | Sb ppm | Notes                                                                                                                                                                             |
|---------------|--------------|-----------------------|---------------------|--------|--------|--------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ML22-93       | 401          | 500112mE<br>5304803mN | 549439<br>41P15E081 | 0.065  | 502    | 74.5   | 14     | Trench, green mica with white and grey quartz, Fe-carbonated, trace sulphides in wallrock. Ni reaction with Dimethylglyoxime.                                                     |
| ML22-94       | 402          | 500114mE<br>5304803mN | 549439<br>41P15E081 | 0.071  | 517    | 37.8   | 3      | Trench debris, Fe-carbonated dolomite with weak green mica, white and grey quartz, trace sulphides in wallrock. Ni reaction with Dimethylglyoxime.                                |
| ML22-95       | 403          | 500113mE<br>5304804mN | 549439<br>41P15E081 | 0.007  | 462    | 51.5   | 4      | Trench debris, green mica Fe-carbonated with white and grey quartz stringers in outcrop by trench, trace sulphides in wallrock, 1 m.                                              |
| ML22-96       | 404          | 500110mE<br>5304801mN | 549439<br>41P15E081 | 0.005  | 881    | 75.8   | 1      | Trench debris, green mica Fe-carbonated with white and grey quartz stringers in outcrop by trench, trace sulphides in wallrock, 1 m. Ni reaction with Dimethylglyoxime. West Pit. |
| ML22-97       | 405          | 500102mE<br>5304795mN | 549439<br>41P15E081 | 0.131  | 2270   | 374.0  | 48     | Mafic metavolcanic?/ dolomite, Fe-carbonated, semi-massive sulphide stringer in wallrock, 0.15 m, Ni reaction with Dimethylglyoxime. South of West Pit                            |
| ML22-98       | 406          | 500102mE<br>5304792mN | 549439<br>41P15E081 | 0.137  | 1860   | 342.0  | 56     | Same as ML22-97, 2 m south, dolomite, Fe-carbonated, trace to semi-massive sulphides in wallrock, Ni reaction with Dimethylglyoxime. 1,170 ppm Cu                                 |
| ML22-99       | 407          | 500107mE<br>5304796mN | 549439<br>41P15E081 | 0.032  | 593    | 34.8   | 5      | Trench debris beside West Pit. Dolomite and green mica, Fe-carbonated.                                                                                                            |
| ML22-100      | 408          | 500157mE<br>5304814mN | 549439<br>41P15E081 | 0.010  | 1210   | 68.3   | 14     | West and uphill from Big Pit. Dolomite and green mica, Fe-carbonated.                                                                                                             |
| ML22-101      | 528          | 500006mE<br>5305303mN | 549440<br>41P15E061 | 0.002  | 371    | 47.9   | <1     | Large dolomite – Fe-carbonate boulder with white quartz at north end of trench.                                                                                                   |
| ML22-102      | 529          | 500003mE<br>5305309mN | 549440<br>41P15E061 | 0.002  | 268    | 35.5   | 6      | Float, 1.5x2x0.75m dolomite and green mica and white quartz, Fe-carbonate, Ni reaction with Dimethylglyoxime.                                                                     |
| ML22-103      | 533          | 500022mE<br>5305314mN | 549440<br>41P15E061 | 0.028  | 411    | 71.9   | 5      | Float, many pieces, green mica and grey quartz, Fe-carbonate, Ni reaction with Dimethylglyoxime. 347 ppm Cu                                                                       |
| ML22-104      | 533          | 500022mE<br>5305314mN | 549440<br>41P15E061 | 0.003  | 457    | 45.5   | <1     | Float, many pieces, green mica and grey quartz, Fe-carbonate, Ni reaction with Dimethylglyoxime.                                                                                  |
| ML22-105      | 533          | 500022mE<br>5305314mN | 549440<br>41P15E061 | 0.001  | 401    | 55.5   | <1     | Float, many pieces, green mica and grey quartz, Fe-carbonate, Ni reaction with Dimethylglyoxime.                                                                                  |

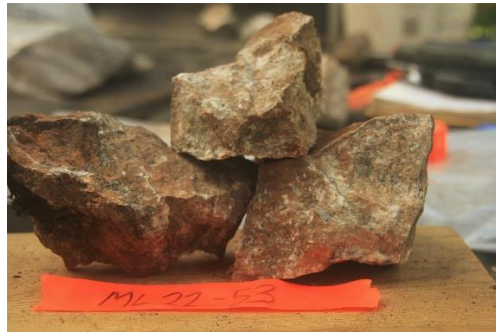
**Table 9. con't.: Rock Sample Locations, Descriptions & Assays, Midlothian Lake Property, Midlothian Twp.**

| Sample Number | GPS Waypoint | UTM Coordinates       | Claim Cell          | Au ppm | Ni ppm | Co ppm | Sb ppm | Notes                                                                                                                                                                 |
|---------------|--------------|-----------------------|---------------------|--------|--------|--------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ML22-106      | 533          | 500022mE<br>5305314mN | 549440<br>41P15E061 | <0.001 | 266    | 46.3   | <1     | Float, many pieces, dolomite with weak green mica, grey quartz, Fe-carbonate. Ni reaction with Dimethylglyoxime.                                                      |
| ML22-107      | 534          | 500012mE<br>5305311mN | 549440<br>41P15E061 | 0.016  | 418    | 68.6   | 4      | Float, green mica and grey quartz, Fe-carbonate. 1% sulphides. Ni reaction with Dimethylglyoxime.                                                                     |
| ML22-108      | 539          | 500027mE<br>5305275mN | 549440<br>41P15E061 | <0.001 | 658    | 48.3   | 13     | Float in root turn top hill on outcrop beside trench, green mica and white quartz, Fe-carbonate. Ni reaction with Dimethylglyoxime.                                   |
| ML22-109      | 539          | 500027mE<br>5305275mN | 549440<br>41P15E061 | <0.001 | 671    | 47.8   | 11     | Same as ML22-108, 2 <sup>nd</sup> float in root turn top hill on outcrop beside trench, green mica and white quartz, Fe-carbonate. Ni reaction with Dimethylglyoxime. |
| ML22-110      | 540          | 500031mE<br>5305276mN | 549440<br>41P15E061 | <0.001 | 1110   | 67.4   | <1     | Float in low, many pieces. Dolomite with green mica and white to pink quartz, Fe-carbonate, black non-magnetic mineral, chromite? Ni reaction with Dimethylglyoxime.  |
| ML22-111      | 659          | 499990mE<br>5305239mN | 549438<br>41P15E080 | 0.001  | 816    | 74.1   | 5      | Dolomite with weak green mica and grey quartz, Fe-carbonate.                                                                                                          |
| ML22-112      | 685          | 499772mE<br>5305353mN | 549438<br>41P15E080 | <0.001 | 119    | 46.7   | 9      | Dolomite, Fe-carbonate, silicified, trace-3% fine-disseminated sulphides.                                                                                             |
| ML22-113      | 691          | 499743mE<br>5305290mN | 549438<br>41P15E080 | <0.001 | 409    | 53.3   | 2      | Abundant green mica boulders on south side of ultramafic unit. Old pit.                                                                                               |
| ML22-114      | 691          | 499743mE<br>5305290mN | 549438<br>41P15E080 | <0.001 | 527    | 57.9   | <1     | Same, abundant green mica boulders on south side of ultramafic unit. Old pit.                                                                                         |
| ML22-115      | 691          | 499743mE<br>5305290mN | 549438<br>41P15E080 | <0.001 | 207    | 35.2   | <1     | Same, abundant green mica boulders on south side of ultramafic unit. Old pit.                                                                                         |
| ML22-116      | 691          | 499743mE<br>5305290mN | 549438<br>41P15E080 | <0.001 | 357    | 45.4   | <1     | Same, abundant green mica boulders on south side of ultramafic unit.                                                                                                  |
| ML22-117      | 691          | 499743mE<br>5305290mN | 549438<br>41P15E080 | 0.001  | 765    | 76.9   | <1     | Same, abundant green mica boulders on south side of ultramafic unit. Ni reaction with Dimethylglyoxime                                                                |
| ML22-118      | 691          | 499743mE<br>5305290mN | 549438<br>41P15E080 | 0.003  | 508    | 64.3   | <1     | Same, abundant green mica boulders on south side of ultramafic unit.                                                                                                  |
| ML22-119      | 661          | 499990mE<br>5305305mN | 549438<br>41P15E080 | 0.001  | 231    | 47.7   | 7      | Green mica, Fe-carbonate + grey quartz. Ni reaction with Dimethylglyoxime.                                                                                            |
| ML22-120      | 676          | 499767mE<br>5305447mN | 549438<br>41P15E080 | <0.001 | 54.9   | 7.1    | 2      | Green mica porphyry? Ni reaction with Dimethylglyoxime                                                                                                                |
| ML22-121      | 678          | 499780mE<br>5305421mN | 549438<br>41P15E080 | <0.001 | 78.8   | 18.8   | <1     | Large float, green mica porphyry?                                                                                                                                     |
| ML22-122      | 686          | 499768mE<br>5305330mN | 549438<br>41P15E080 | 0.003  | 751    | 60.4   | <1     | Dolomite with Fe-carbonate.                                                                                                                                           |

Note: Red stain on rock surfaces is position Ni reaction to Dimethylglyoxime



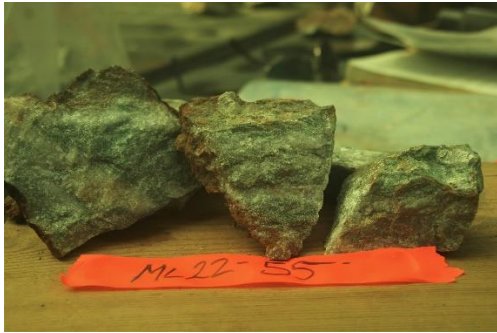
ML22-52 743 ppm Ni, 1.03 ppm Au



ML22-53 974 ppm Ni, 0.187 ppm Au, 109 ppm Co



ML22-54 1,040 ppm Ni, 0.021 ppm Au



ML22-55 809 ppm Ni, 0.016 ppm Au



ML22-56 843 ppm Ni, 0.013 ppm Au



ML22-57 250 ppm Ni



ML22-58 67.8 ppm Ni



ML22-59 115 ppm Ni, 0.013 ppm Au



ML22-60 57.9 ppm Ni



ML22-61 463 ppm Ni



ML22-62 981 ppm Ni, 0.148 ppm Au



ML22-63 1,220 ppm Ni, 0.165 ppm Au



ML22-64 1,410 ppm Ni, 0.205 ppm Au



ML22-65 684 ppm Ni, 0.285 ppm Au



ML22-66 960 ppm Ni, 0.056 ppm Au



ML22-67 894 ppm Ni, 0.035 ppm Au



ML22-68 264 ppm Ni, 0.023 ppm Au



ML22-69 819 ppm Ni



ML22-70 421 ppm Ni



ML22-71 626 ppm Ni



ML22-72 653 ppm Ni



ML22-73 612 ppm Ni, 0.029 ppm Au



ML22-74 106 ppm Ni, 0.017 ppm Au



ML22-75 652 ppm Ni, 0.011 ppm Au



ML22-76 106 ppm Ni



ML22-77 664 ppm Ni, 0.010 ppm Au



ML22-78 219 ppm Ni



ML22-79 482 ppm Ni



ML22-80 643 ppm Ni, 0.034 ppm Au



ML22-81 1,640 ppm Ni



ML22-82 51.4 ppm Ni, 0.013 ppm Au



ML22-83 53.0 ppm Ni



ML22-84 1,680 ppm Ni, 120 ppm Co



ML22-85 351 ppm Ni, 0.012 ppm Au



ML22-86 1,160 ppm Ni



ML22-87 515 ppm Ni





ML22-88 912 ppm Ni



ML22-89 36.2 ppm Ni



ML22-90 125 ppm Ni



ML22-91 1,040 ppm Ni, 0.010 ppm Au



ML22-92 1,050 ppm Ni, 0.953 ppm Au



ML22-93 502 ppm Ni, 0.065 ppm Au



ML22-94 517 ppm Ni, 0.071 ppm Au



ML22-95 462 ppm Ni



ML22-96 881 ppm Ni



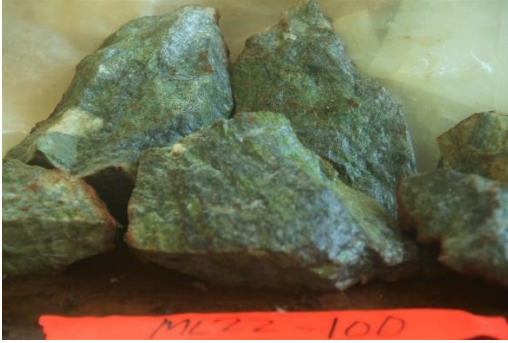
ML22-97 2,270 ppm Ni, 0.131 ppm Au, 374 ppm Co



ML22-98 1,860 ppm Ni, 0.137 ppm Au, 342 ppm Co



ML22-99 593 ppm Ni, 0.032 ppm Au



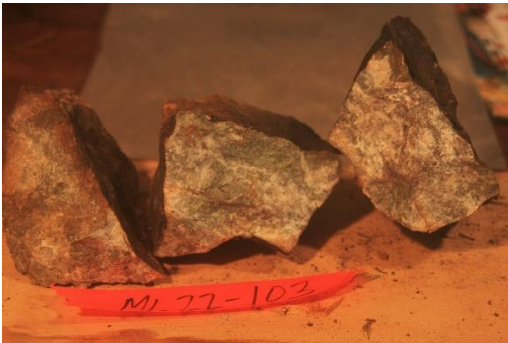
ML22-100 1,210 ppm Ni, 0.010 ppm Au



ML22-101 371 ppm Ni



ML22-102 268 ppm Ni, 0.028 ppm Au



ML22-103 411 ppm Ni



ML22-104 457 ppm Ni



ML22-105 401 ppm Ni



ML22-106 206 ppm Ni



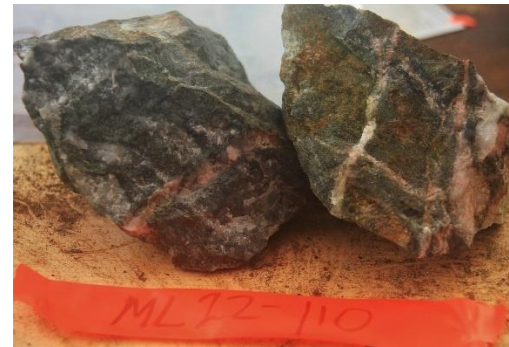
ML22-107 418 ppm Ni, 0.016 ppm Au



ML22-108 658 ppm Ni



ML22-109 617 ppm Ni



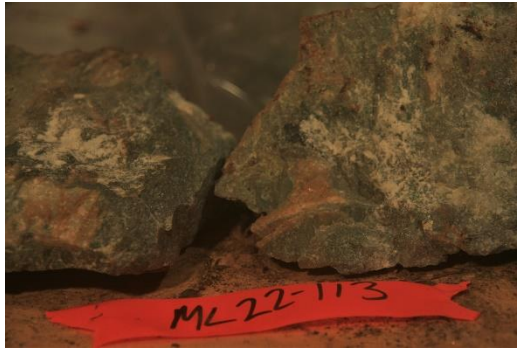
ML22-110 1,110 ppm Ni



ML22-111 816 ppm Ni



ML22-112 119 ppm Ni



ML22-113 409 ppm Ni



ML22-114 527 ppm Ni



ML22-115 207 ppm Ni



ML22-116 357 ppm Ni



ML22-117 765 ppm Ni



ML22-118 508 ppm Ni



ML22-119 231 ppm Ni



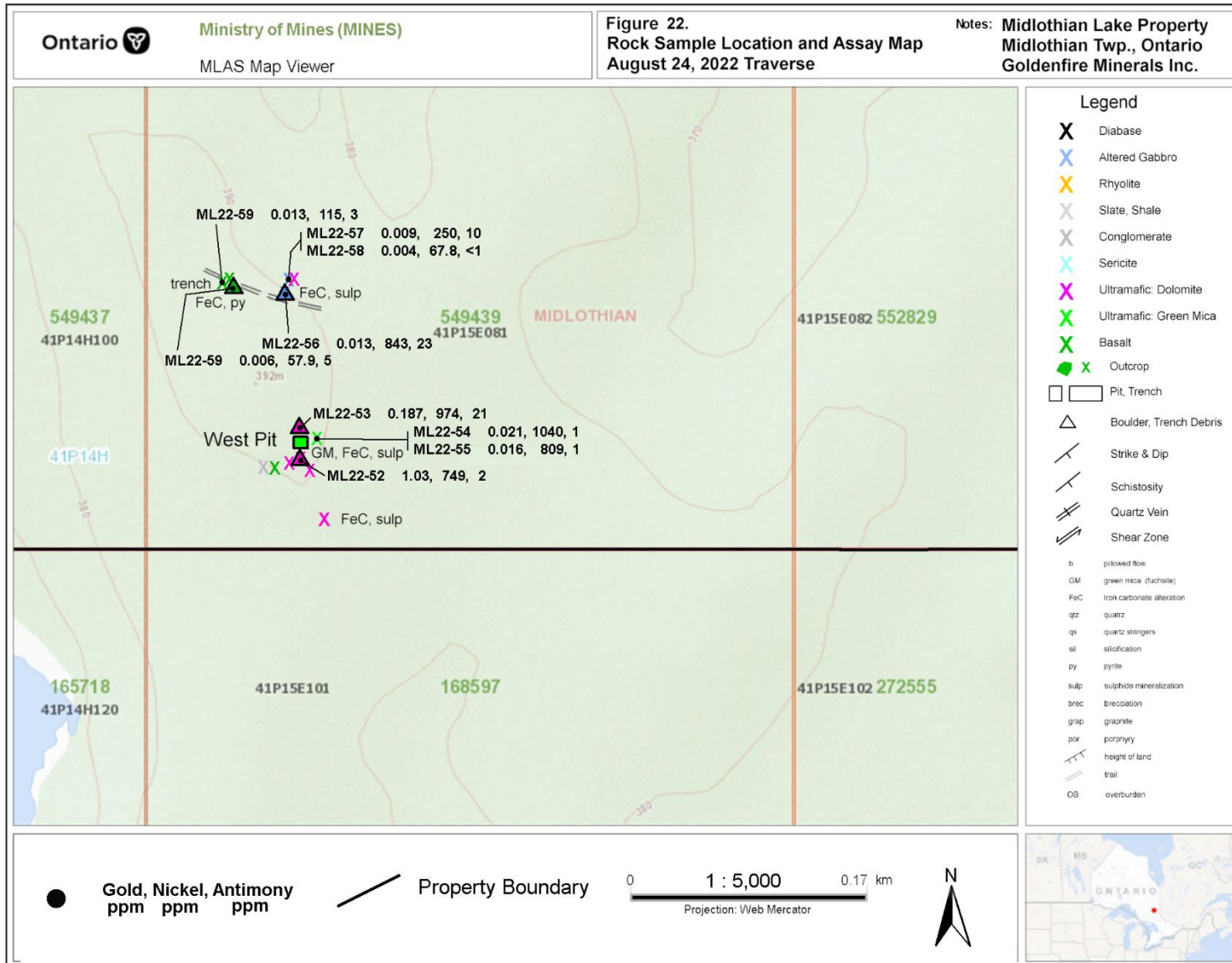
ML22-120 54.9 ppm Ni

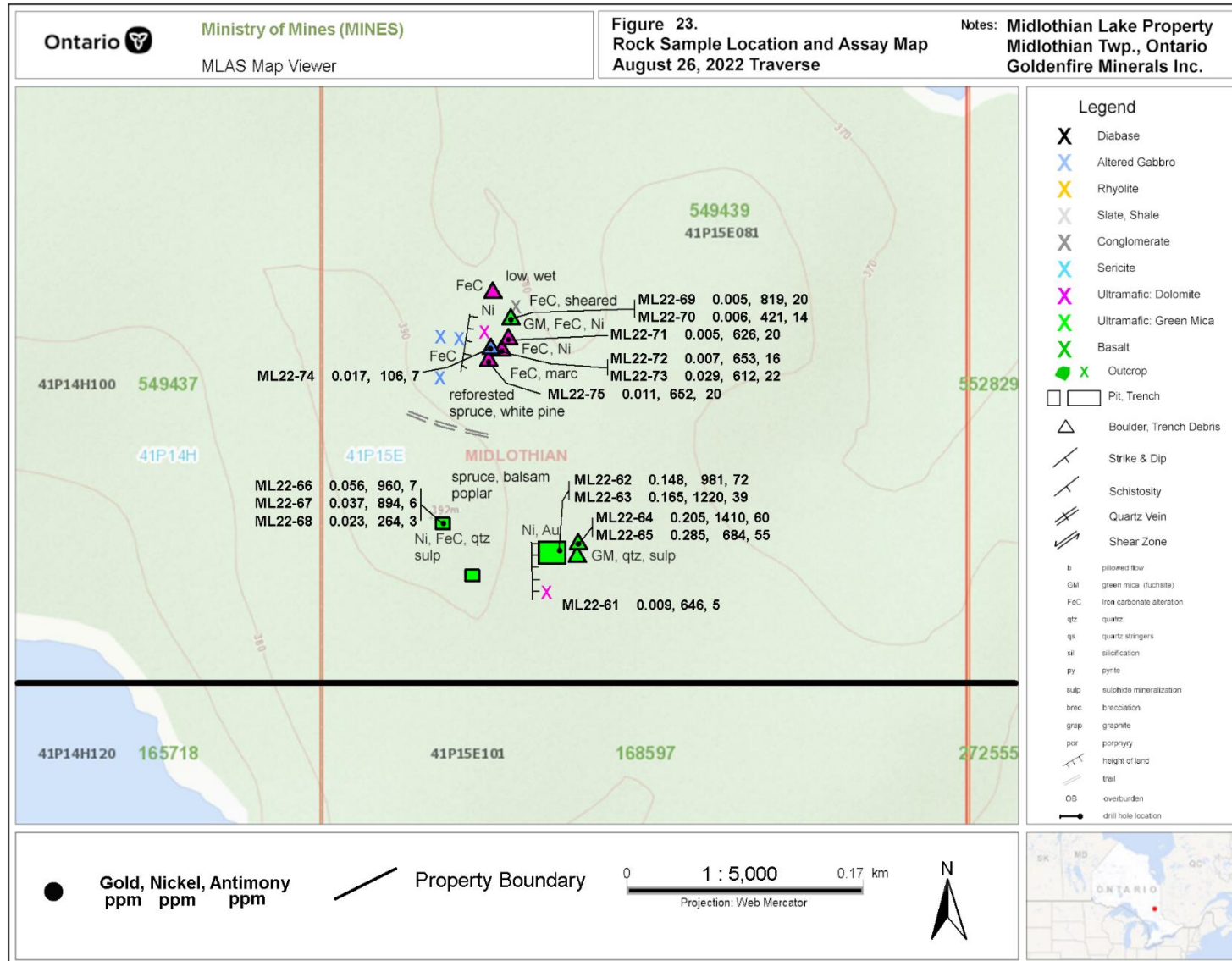


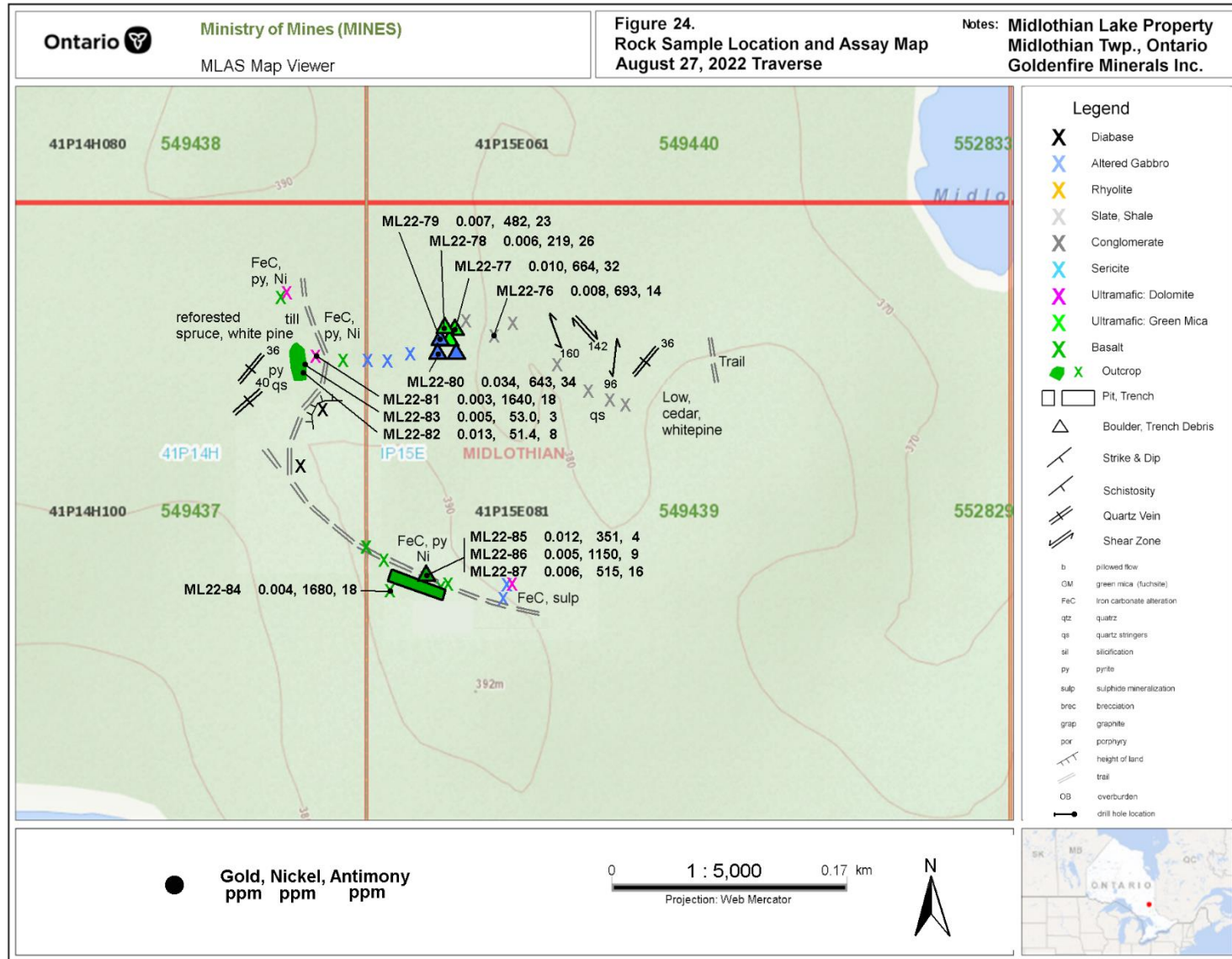
ML22-121 78.8 ppm Ni

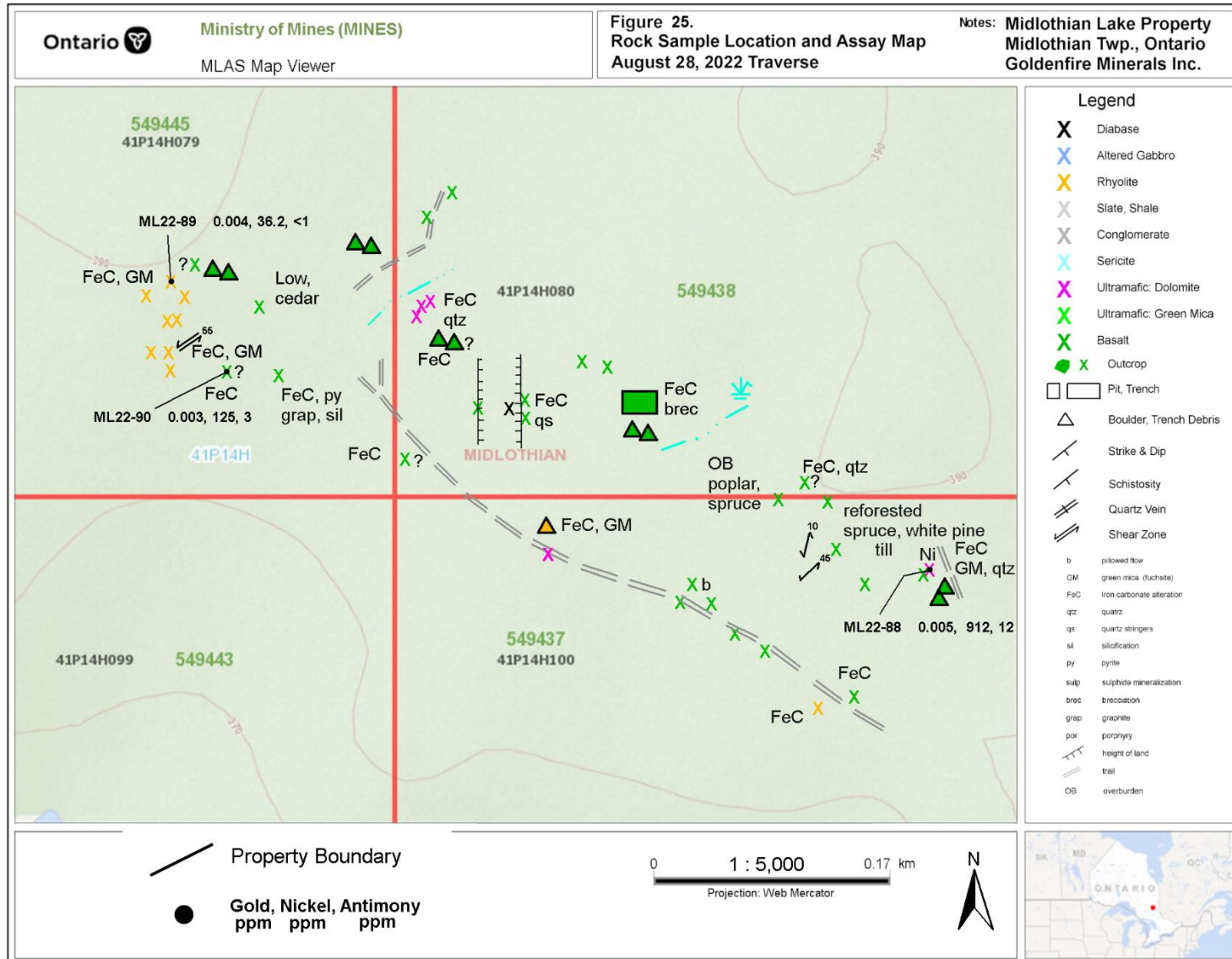


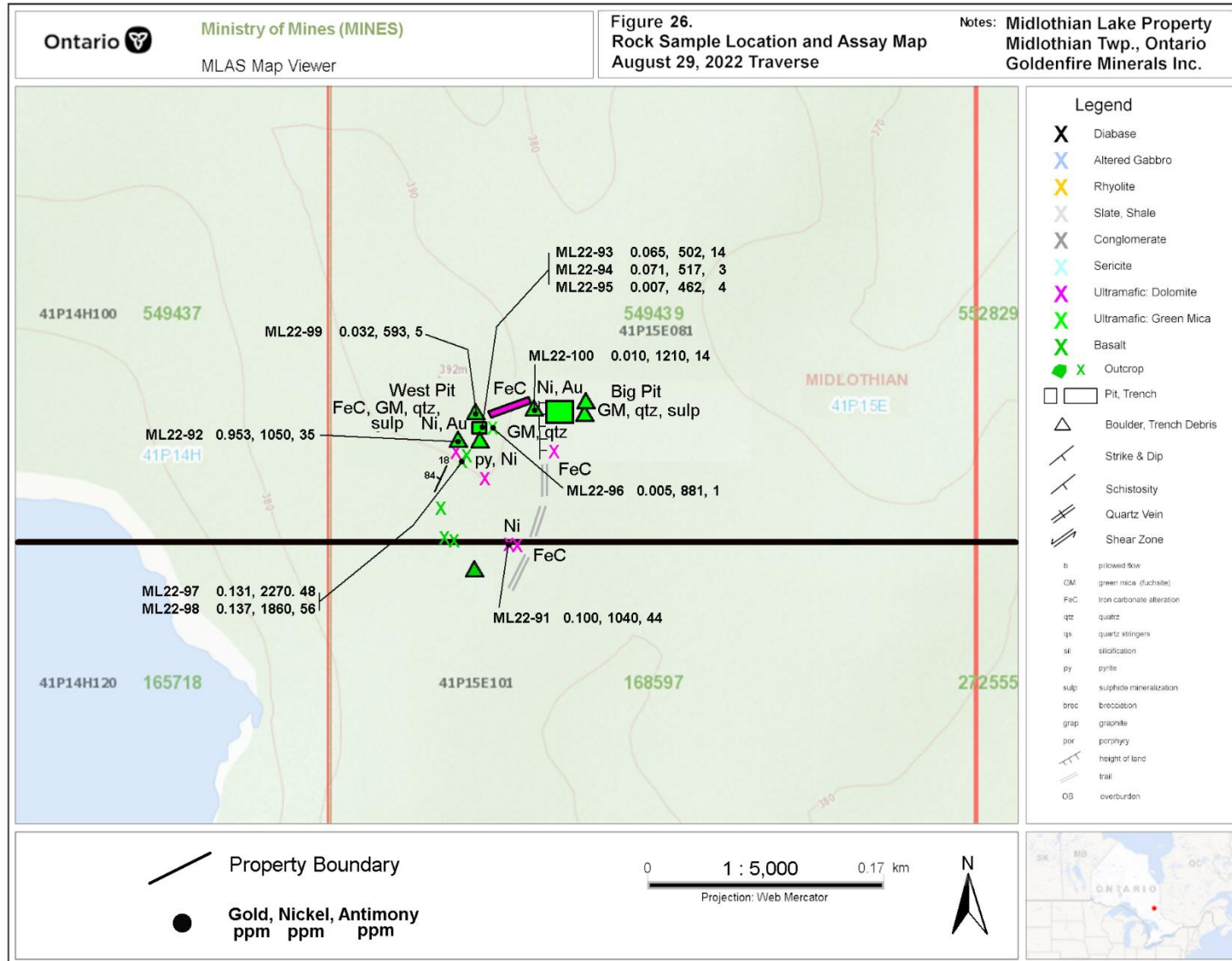
ML22-122 751 ppm Ni



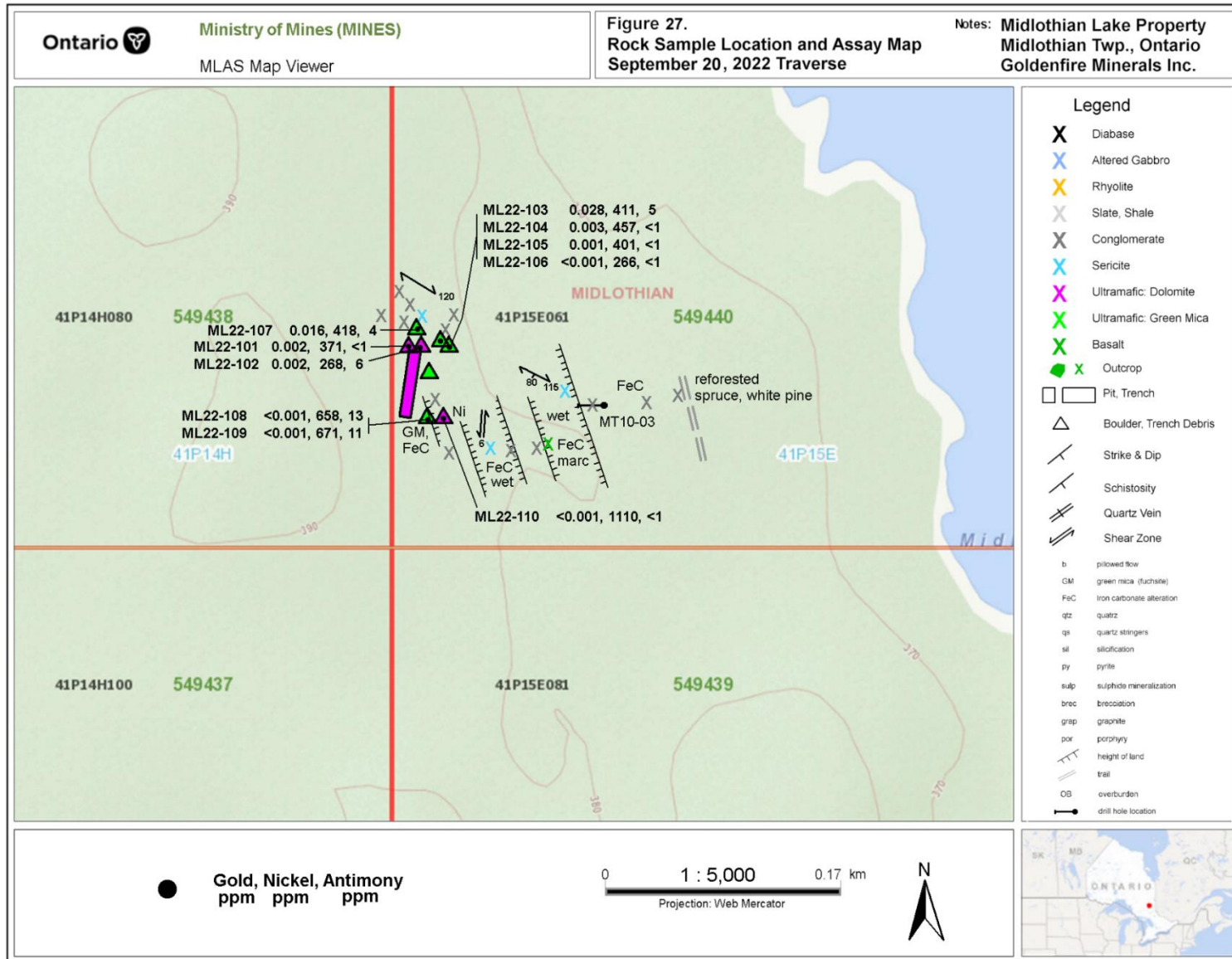


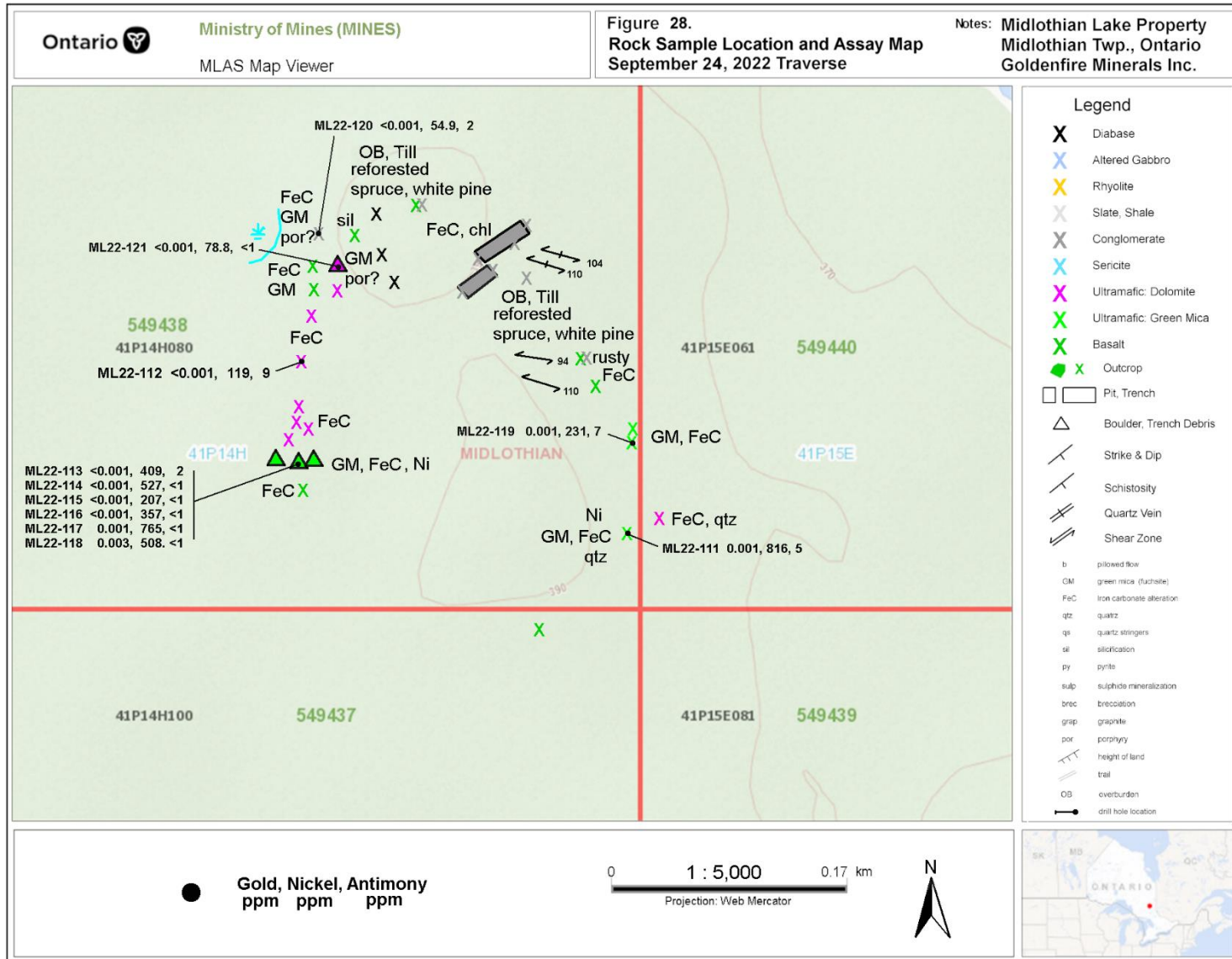












## Survey Results

Prospecting focused mainly on tracing the peridotite/ listwanite unit and sampling the dolomitic and green mica/ fuchsite horizons within the unit. Listwanite outcrops and boulders consisting of dolomite, green mica and magnesite were traced approximately 1,100 metres north to northwest from the south boundary of the property. To the south, the unit crosses the property boundary and continues south for at least another 750 metres according to government maps of the area. The listwanite unit dips steeply to vertical, ranges approximately 50 metres wide and appears to be widening towards northwest. The listwanite unit and adjacent metavolcanic and metasedimentary units were sampled along strike. Table 10 summarizes the assay results for each rock type.

**Table 10. Number of Samples**

| Rock Type                     | >0.07% Nickel | >100 ppm Cobalt | >20 ppm Antimony | >100 ppm Gold |
|-------------------------------|---------------|-----------------|------------------|---------------|
| Dolomite                      | 9             | 2               | 4                | 3             |
| Green Mica/<br>Fuchsite       | 11            | 0               | 1                | 5             |
| Mafic/ Felsic<br>Metavolcanic | 3             | 2               | 2                | 2             |
| Timiskaming<br>Conglomerates  | 0             | 0               | 1                |               |
| Altered<br>Gabbro             | 0             | 0               | 3                | 0             |
| Rhyolite                      | 0             | 0               | 0                | 0             |

Many of dolomite and green mica samples with very fine disseminated sulphides reacted with Dimethylglyoxime powder and returned nickel values greater than 700 ppm upon assay. Ten (10) rock samples returned values greater than 0.1% Ni (>1,000 ppm) with a high value of 0.164% Ni (1,640 ppm).

Nickel is also present with sulphides in mafic/felsic metavolcanic and dolomitic rocks situated on the west side of listwanite unit. Trench debris and outcrop in the vicinity of a long trench situated south of the trail on the west side of cell 41P15E081, claim 549439 (Figure 24) assayed 0.0515% to 0.168% Ni (515 ppm to 1,680 ppm). Two samples from another site situated south of the West Pit in cell 41P15E081, claim 549439 (Figure 26) assayed 0.186% and 0.227% Ni, 372 ppm and 342 ppm Co, 45.5 ppm and 1,170 ppm Cu, 0.131 ppm and 0.137 ppm Au.

Cobalt assays for dolomitic and green mica samples were only slightly anomalous with 121 ppm Co being the highest.

Low to anomalous antimony values ranging up to 72 ppm were detected in many of the listwanite samples and in some samples of metavolcanic rocks and dikes of altered gabbro also. Stibnite is believed to be present in some hand samples of green carbonate and dolomite.

To date, gold has only been detected in samples taken in the vicinity of the Big Pit and West Pit in cell 41P15E081, claim 549439 and in listwanite float found in this area. The best assay obtained during survey was 1.03 ppm Au from a sample of trench debris by the West Pit.

Other elements returning anomalous values upon assay include As and Li with peaks of 1,160 ppm As and 193 ppm Li. Both elements appear to increase with nickel content. The increase in As reflecting the presence of nickel arsenides in the listwanite.

## Discussion of Results

Fine-grained nickel sulphides and nickel arsenides identified by Renaud (2022) in green mica from the Laroma Prospect appear to be widespread throughout the section of the listwanite unit on the Midlothian Lake Property. Nickel has been found in both green mica/fuchsite horizons and in the dolomitic core. Although very fine-grained, the nickel mineralization is easily traceable on surface using Dimethylglyoxime powder. From the south boundary of the property, nickel has been traced for at least 800 metres towards the northwest and extent of the mineralization remains open in this direction. Similarly, the mineralization crosses the south boundary of the property and remains open in the south direction also. Historic drill logs for holes that tested the listwanite unit along strike note wide intersections of fuchsite-rich ultramafic rock in all the holes, the deepest occurring at a vertical depth of 307 metres, with much of the intersections accompanied by fine-disseminated sulphides. Unfortunately, nickel assays were not reported in any of the historic drill logs or for any rock samples collected on the property. Results of this program suggest nickel content is increasing with sulphide content. Some of the drill logs note up to 20% sulphide mineralization in the ultramafic unit which is much higher than sulphide mineralization observed on surface.

This program has also found nickel mineralization in sulphide-bearing mafic metavolcanic rock adjacent to the west side of the listwanite unit. The sulphide content of these rocks is locally slightly higher and the nickel and cobalt values also.

## Conclusions and Recommendations


This program has provided evidence of widespread nickel mineralization in the listwanite unit hosting the Laroma Prospect and nickel has also been found in sulphides in the mafic metavolcanic unit situated west of the listwanite unit. Additional work is required to define the extent of the nickel mineralization in these areas with the goal of defining drill targets.

It is recommended that a grid be cut over the listwanite unit for geological mapping and prospecting surveys. These surveys should be accompanied by petrology and microprobe work to understand mineralogy, mineral relationships and define rock types. Ground magnetometer and VLF-EM surveys are warranted to help outline the listwanite unit and sulphide zones. The thin till overburden and abundant outcrop in the survey area is very suitable for a “B” horizon soil survey. Several trenches should be excavated and areas stripped of overburden to provide better exposure of mineralized areas.

An estimated cost to do the work is \$210,000 and outlined as:

|                                        |               |
|----------------------------------------|---------------|
| Grid                                   | \$50,000      |
| Prospecting                            | 15,000        |
| Petrology/ Microprobe Work             | 15,000        |
| Geological Mapping                     | 15,000        |
| Excavator                              | 15,000        |
| Rock Assays                            | 15,000        |
| Soil Survey                            | 10,000        |
| Soil Assays                            | 15,000        |
| Ground Magnetometer and VLF-EM Surveys | 20,000        |
| Reports & Maps                         | 25,000        |
| Truck                                  | <u>15,000</u> |
|                                        | \$210,000     |

Respectfully submitted,

  
 Robert James Dillman P.Geol.  
 Arjadee Prospecting



Robert Dillman B.Sc. P.Geol.  
 January 16, 2023

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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 N0L 1W0
2. I am a Director of Goldenfire Minerals Inc.
3. I graduated in 1991 with a Bachelor of Science Degree in Geology from the University of Western Ontario.
4. I am an active member of:  
  
Professional Geoscientists of Ontario, PGO  
Prospectors and Developers Association of Canada, PDAC
5. I have been a licensed Prospector in Ontario since 1984.
6. I have worked continuously as a Professional Geologist for 32 years.
7. Unless stated otherwise, I am responsible for the preparation of all sections of the Assessment Report titled:  
  
2022  
REPORT ON PROSPECTING TRAVERSES, MIDLOTHIAN LAKE PROPERTY  
LARDER LAKE MINING DIVISION, MIDLOTHIAN TOWNSHIP, ONTARIO  
dated, January 16, 2023
8. I am not aware of any material fact or material change with respect to the subject matter of this Assessment Report that is not contained in this Assessment Report and its omission to disclose makes this Assessment Report misleading.

Dated this 16th day of January, 2023

  
Robert James Dillman P.Geo  
Arjadee Prospecting







West Trench  
500109mE, 5304804mN



West Trench  
500109mE, 5304804mN  
Green mica samples



Green mica with quartz



Waypoint 232, ML22-52  
1.03 ppm Au, 749 ppm Ni,  
40 ppm Co, 2 ppm Sb  
500106mE, 5304798mN



Waypoint 322, ML22-80  
0.034 ppm Au, 643 ppm Ni,  
66.8 ppm Co, 34 ppm Sb  
500051mE, 5305079mN



Waypoint 405, ML22-97  
0.131 ppm Au, 2,270 ppm Ni,  
374 ppm Co, 48 ppm Sb  
500102mE, 5304795mN



Waypoint 373, Rhyolite with green mica.  
499377mE, 5305313mN



Waypoint 376, Rhyolite with green mica.  
ML22-90 0.003 ppm Au,  
125 ppm Ni, 43.3 ppm Co,  
3 ppm Sb  
499375mE, 5305283mN



Waypoint 401, West Pit  
Green mica with quartz  
ML22-93 0.065 ppm Au,  
517 ppm Ni, 75.5 ppm Co, 3 ppm Sb  
499854mE, 5305039mN



Waypoint 678 ML22-121  
<0.001 ppm Au, 78.8 ppm Ni  
18.8 ppm Co, <1 ppm Sb  
499774mE, 5305421mN



Waypoint 691  
ML22-113 to ML22-118  
<0.001-0.03 ppm Au  
207-765 ppm Ni, 35.2- 76.9 ppm Co  
499743mE, 5305290mN



Waypoint 516 DDH MT10-03  
500149mE, 5305280mN



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

ATTENTION TO: ROBERT DILLMAN, JIM RENAUD  
PROJECT:

AGAT WORK ORDER: 22T945521

SOLID ANALYSIS REVIEWED BY: Jeffrey Xiong, Lab Team Lead

DATE REPORTED: Dec 23, 2022

PAGES (INCLUDING COVER): 20

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

\*Notes

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## Certificate of Analysis

AGAT WORK ORDER: 22T945521

PROJECT:

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

CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN, JIM RENAUD

### (200-) Sample Login Weight

DATE SAMPLED: Sep 14, 2022      DATE RECEIVED: Sep 15, 2022      DATE REPORTED: Dec 23, 2022      SAMPLE TYPE: Rock

| Sample ID (AGAT ID) | Analyte:<br>Unit:<br>RDL: | Sample<br>Login<br>Weight<br>kg<br>0.005 |
|---------------------|---------------------------|------------------------------------------|
| ML22-52 (4307361)   |                           | 1.860                                    |
| ML22-53 (4307362)   |                           | 3.100                                    |
| ML22-54 (4307363)   |                           | 3.240                                    |
| ML22-55 (4307364)   |                           | 1.030                                    |
| ML22-56 (4307365)   |                           | 1.300                                    |
| ML22-57 (4307366)   |                           | 1.880                                    |
| ML22-58 (4307367)   |                           | 2.340                                    |
| ML22-59 (4307368)   |                           | 1.060                                    |
| ML22-60 (4307369)   |                           | 1.430                                    |
| ML22-61 (4307370)   |                           | 1.570                                    |
| ML22-62 (4307371)   |                           | 2.000                                    |
| ML22-63 (4307372)   |                           | 1.740                                    |
| ML22-64 (4307373)   |                           | 2.250                                    |
| ML22-65 (4307374)   |                           | 2.820                                    |
| ML22-66 (4307375)   |                           | 2.110                                    |
| ML22-67 (4307376)   |                           | 1.750                                    |
| ML22-68 (4307377)   |                           | 1.320                                    |
| ML22-69 (4307378)   |                           | 1.430                                    |
| ML22-70 (4307379)   |                           | 1.040                                    |
| ML22-71 (4307380)   |                           | 3.230                                    |
| ML22-72 (4307381)   |                           | 2.160                                    |
| ML22-73 (4307382)   |                           | 1.180                                    |
| ML22-74 (4307383)   |                           | 2.280                                    |
| ML22-75 (4307384)   |                           | 2.750                                    |
| ML22-76 (4307385)   |                           | 1.700                                    |
| ML22-77 (4307386)   |                           | 1.030                                    |
| ML22-78 (4307387)   |                           | 1.180                                    |
| ML22-79 (4307388)   |                           | 2.220                                    |
| ML22-80 (4307389)   |                           | 1.010                                    |
| ML22-81 (4307390)   |                           | 1.420                                    |
| ML22-82 (4307391)   |                           | 1.430                                    |

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## Certificate of Analysis

AGAT WORK ORDER: 22T945521

PROJECT:

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

CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN, JIM RENAUD

### (200-) Sample Login Weight

DATE SAMPLED: Sep 14, 2022      DATE RECEIVED: Sep 15, 2022      DATE REPORTED: Dec 23, 2022      SAMPLE TYPE: Rock

| Sample ID (AGAT ID) | Analyte: | Sample Login Weight |
|---------------------|----------|---------------------|
|                     | Unit:    | kg                  |
|                     | RDL:     | 0.005               |
| ML22-83 (4307392)   |          | 1.560               |
| ML22-84 (4307393)   |          | 0.650               |
| ML22-85 (4307394)   |          | 1.230               |
| ML22-86 (4307395)   |          | 3.200               |
| ML22-87 (4307396)   |          | 3.650               |
| ML22-88 (4307397)   |          | 1.540               |
| ML22-89 (4307398)   |          | 1.670               |
| ML22-90 (4307399)   |          | 3.370               |
| ML22-91 (4307400)   |          | 1.740               |
| ML22-92 (4307401)   |          | 2.350               |
| ML22-93 (4307402)   |          | 3.610               |
| ML22-94 (4307403)   |          | 1.340               |
| ML22-95 (4307404)   |          | 3.310               |
| ML22-96 (4307405)   |          | 3.830               |
| ML22-97 (4307406)   |          | 1.750               |
| ML22-98 (4307407)   |          | 1.020               |
| ML22-99 (4307408)   |          | 0.440               |
| ML22-100 (4307409)  |          | 1.060               |

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:



## Certificate of Analysis

AGAT WORK ORDER: 22T945521

PROJECT:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
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FAX (905)501-0589  
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CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN, JIM RENAUD

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

| DATE SAMPLED: Sep 14, 2022 | DATE RECEIVED: Sep 15, 2022 |      | DATE REPORTED: Dec 23, 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  | %    |
| RDL:                       | 0.2                         | 0.01 | 1                           | 5   | 1                 | 0.5  | 1   | 0.01 | 0.5  | 1   | 0.5  | 0.5  | 0.5  | 0.01 |
| ML22-52 (4307361)          | 0.3                         | 0.11 | 123                         | <5  | 9                 | <0.5 | <1  | 18.8 | <0.5 | <1  | 40.0 | 145  | 4.6  | 5.16 |
| ML22-53 (4307362)          | 0.5                         | 0.03 | 75                          | <5  | 4                 | <0.5 | <1  | 19.5 | <0.5 | <1  | 109  | 99.3 | 33.6 | 5.70 |
| ML22-54 (4307363)          | 0.4                         | 0.11 | <1                          | <5  | 8                 | <0.5 | <1  | 15.5 | <0.5 | <1  | 84.0 | 178  | 9.8  | 5.24 |
| ML22-55 (4307364)          | 0.4                         | 0.06 | 2                           | <5  | 8                 | <0.5 | <1  | 19.4 | <0.5 | <1  | 61.4 | 133  | 19.4 | 3.75 |
| ML22-56 (4307365)          | <0.2                        | 3.03 | 53                          | <5  | 9                 | <0.5 | 3   | 7.11 | <0.5 | 1   | 71.5 | 1900 | 45.8 | 6.17 |
| ML22-57 (4307366)          | <0.2                        | 4.63 | <1                          | <5  | 14                | <0.5 | 3   | 2.18 | <0.5 | 7   | 48.6 | 837  | 73.6 | 6.12 |
| ML22-58 (4307367)          | <0.2                        | 3.47 | 2                           | <5  | 7                 | <0.5 | 2   | 2.57 | <0.5 | 9   | 38.8 | 82.9 | 58.3 | 5.71 |
| ML22-59 (4307368)          | <0.2                        | 2.01 | 14                          | <5  | 62                | <0.5 | 6   | 0.78 | <0.5 | 11  | 59.6 | 87.0 | 94.8 | 13.4 |
| ML22-60 (4307369)          | <0.2                        | 1.05 | 7                           | <5  | 140               | <0.5 | 6   | 2.15 | <0.5 | 6   | 21.7 | 203  | 61.9 | 14.3 |
| ML22-61 (4307370)          | 0.3                         | 0.20 | 127                         | <5  | 10                | <0.5 | <1  | 12.9 | <0.5 | <1  | 42.6 | 187  | 8.1  | 3.52 |
| ML22-62 (4307371)          | 0.2                         | 0.10 | 1160                        | <5  | 9                 | <0.5 | <1  | 12.2 | <0.5 | <1  | 65.9 | 162  | 20.8 | 4.65 |
| ML22-63 (4307372)          | 0.2                         | 0.12 | 982                         | <5  | 14                | <0.5 | <1  | 10.4 | <0.5 | <1  | 90.4 | 166  | 18.4 | 5.27 |
| ML22-64 (4307373)          | <0.2                        | 0.12 | 994                         | <5  | 11                | <0.5 | <1  | 11.0 | <0.5 | <1  | 97.6 | 139  | 26.1 | 4.73 |
| ML22-65 (4307374)          | 0.3                         | 0.08 | 779                         | <5  | 9                 | <0.5 | <1  | 12.9 | <0.5 | <1  | 40.3 | 127  | 30.3 | 3.88 |
| ML22-66 (4307375)          | 0.4                         | 0.16 | 183                         | <5  | 9                 | <0.5 | <1  | 12.1 | <0.5 | <1  | 64.5 | 215  | 17.0 | 5.46 |
| ML22-67 (4307376)          | <0.2                        | 0.25 | 184                         | <5  | 9                 | <0.5 | <1  | 11.7 | <0.5 | <1  | 70.6 | 291  | 33.5 | 5.25 |
| ML22-68 (4307377)          | <0.2                        | 0.29 | 62                          | <5  | 15                | <0.5 | <1  | 7.78 | <0.5 | 6   | 42.2 | 131  | 39.5 | 4.25 |
| ML22-69 (4307378)          | <0.2                        | 1.03 | 851                         | <5  | 30                | <0.5 | 2   | 4.34 | <0.5 | 2   | 97.4 | 1160 | 13.1 | 6.37 |
| ML22-70 (4307379)          | <0.2                        | 0.21 | 515                         | <5  | 36                | <0.5 | <1  | 6.63 | <0.5 | <1  | 41.4 | 274  | 23.3 | 5.59 |
| ML22-71 (4307380)          | 0.2                         | 0.87 | 603                         | <5  | 25                | <0.5 | 1   | 4.64 | <0.5 | <1  | 64.6 | 1070 | 50.9 | 5.61 |
| ML22-72 (4307381)          | <0.2                        | 0.68 | 848                         | <5  | 40                | <0.5 | 2   | 3.98 | <0.5 | 2   | 61.4 | 615  | 50.6 | 6.25 |
| ML22-73 (4307382)          | 0.2                         | 0.51 | 701                         | <5  | 14                | <0.5 | 3   | 3.64 | <0.5 | <1  | 67.0 | 501  | 61.0 | 7.31 |
| ML22-74 (4307383)          | 0.2                         | 0.73 | 46                          | <5  | 26                | <0.5 | <1  | 7.18 | <0.5 | <1  | 27.5 | 451  | 10.6 | 3.62 |
| ML22-75 (4307384)          | <0.2                        | 0.78 | 731                         | <5  | 20                | <0.5 | 1   | 3.34 | <0.5 | <1  | 63.1 | 616  | 42.2 | 6.33 |
| ML22-76 (4307385)          | 0.3                         | 2.14 | 172                         | <5  | 11                | <0.5 | 2   | 7.19 | <0.5 | 1   | 52.9 | 1190 | 55.8 | 5.53 |
| ML22-77 (4307386)          | 0.3                         | 0.71 | 635                         | <5  | 26                | <0.5 | <1  | 3.82 | <0.5 | <1  | 83.1 | 792  | 101  | 5.07 |
| ML22-78 (4307387)          | <0.2                        | 0.28 | 133                         | <5  | 15                | <0.5 | <1  | 1.97 | <0.5 | <1  | 25.7 | 336  | 62.4 | 2.64 |
| ML22-79 (4307388)          | <0.2                        | 2.40 | 33                          | <5  | 7                 | <0.5 | <1  | 1.16 | <0.5 | 1   | 39.9 | 1150 | 35.8 | 4.81 |
| ML22-80 (4307389)          | 0.2                         | 3.13 | 43                          | <5  | 12                | <0.5 | <1  | 1.17 | <0.5 | 1   | 66.8 | 1370 | 60.1 | 6.26 |
| ML22-81 (4307390)          | <0.2                        | 1.70 | 2                           | <5  | 6                 | <0.5 | 1   | 2.32 | <0.5 | <1  | 88.0 | 1470 | 19.7 | 5.46 |
| ML22-82 (4307391)          | 0.2                         | 2.73 | 43                          | <5  | 101               | <0.5 | 2   | 0.22 | <0.5 | 12  | 25.3 | 72.5 | 32.4 | 8.47 |
| ML22-83 (4307392)          | <0.2                        | 0.98 | 6                           | <5  | 39                | <0.5 | <1  | 0.05 | <0.5 | 11  | 9.0  | 132  | 14.3 | 2.64 |

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## Certificate of Analysis

AGAT WORK ORDER: 22T945521

PROJECT:

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

CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN, JIM RENAUD

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

| DATE SAMPLED: Sep 14, 2022 | DATE RECEIVED: Sep 15, 2022 |      | DATE REPORTED: Dec 23, 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  | %    |
| RDL:                       | 0.2                         | 0.01 | 1                           | 5   | 1                 | 0.5  | 1   | 0.01 | 0.5  | 1   | 0.5  | 0.5  | 0.5  | 0.01 |
| ML22-84 (4307393)          | <0.2                        | 1.46 | 8                           | <5  | 15                | <0.5 | 2   | 0.36 | <0.5 | 1   | 120  | 1320 | 45.9 | 5.68 |
| ML22-85 (4307394)          | 0.3                         | 1.32 | 3                           | <5  | 183               | <0.5 | 5   | 2.10 | <0.5 | 4   | 41.5 | 428  | 80.1 | 10.1 |
| ML22-86 (4307395)          | <0.2                        | 0.93 | 10                          | <5  | 7                 | <0.5 | 1   | 2.27 | <0.5 | <1  | 90.7 | 759  | 57.2 | 4.86 |
| ML22-87 (4307396)          | <0.2                        | 0.99 | <1                          | <5  | 51                | <0.5 | <1  | 5.72 | <0.5 | <1  | 47.1 | 1460 | 25.5 | 4.06 |
| ML22-88 (4307397)          | 0.3                         | 1.49 | 317                         | <5  | 9                 | <0.5 | <1  | 11.2 | <0.5 | <1  | 62.2 | 1100 | 46.6 | 4.57 |
| ML22-89 (4307398)          | <0.2                        | 0.25 | 23                          | <5  | 57                | <0.5 | <1  | 2.32 | <0.5 | 3   | 7.4  | 105  | 13.1 | 1.41 |
| ML22-90 (4307399)          | 0.2                         | 0.18 | 219                         | <5  | 39                | <0.5 | <1  | 3.62 | <0.5 | 5   | 44.3 | 86.6 | 28.9 | 1.90 |
| ML22-91 (4307400)          | 0.3                         | 0.55 | 695                         | <5  | 11                | <0.5 | <1  | 8.53 | <0.5 | <1  | 58.9 | 696  | 58.2 | 2.77 |
| ML22-92 (4307401)          | 0.6                         | 0.07 | 114                         | <5  | 6                 | <0.5 | 1   | 16.5 | <0.5 | <1  | 121  | 152  | 10.3 | 8.17 |
| ML22-93 (4307402)          | 0.3                         | 0.34 | 230                         | <5  | 14                | <0.5 | <1  | 14.0 | <0.5 | <1  | 74.5 | 598  | 6.6  | 4.11 |
| ML22-94 (4307403)          | 0.4                         | 0.06 | 39                          | <5  | 6                 | <0.5 | <1  | 16.6 | <0.5 | <1  | 37.8 | 187  | 2.8  | 6.29 |
| ML22-95 (4307404)          | 0.5                         | 0.09 | <1                          | <5  | 7                 | <0.5 | <1  | 11.8 | <0.5 | <1  | 51.5 | 180  | 15.7 | 4.12 |
| ML22-96 (4307405)          | 0.2                         | 0.10 | <1                          | <5  | 8                 | <0.5 | <1  | 12.0 | <0.5 | <1  | 75.8 | 216  | 13.6 | 3.95 |
| ML22-97 (4307406)          | 0.5                         | 0.93 | 58                          | <5  | 6                 | <0.5 | 3   | 9.96 | <0.5 | <1  | 374  | 997  | 45.5 | 10.1 |
| ML22-98 (4307407)          | 0.6                         | 0.75 | 249                         | <5  | 8                 | <0.5 | 2   | 8.64 | <0.5 | <1  | 342  | 802  | 1170 | 9.65 |
| ML22-99 (4307408)          | 0.4                         | 0.06 | 81                          | <5  | 9                 | <0.5 | <1  | 14.2 | <0.5 | <1  | 34.8 | 191  | 5.2  | 3.35 |
| ML22-100 (4307409)         | 0.3                         | 0.43 | 215                         | <5  | 5                 | <0.5 | <1  | 11.8 | <0.5 | <1  | 68.3 | 376  | 19.9 | 4.11 |

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TEL (905)501-9998  
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CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN, JIM RENAUD

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

| DATE SAMPLED: Sep 14, 2022 | DATE RECEIVED: Sep 15, 2022 |     |     |       |     |     | DATE REPORTED: Dec 23, 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 |
| RDL:                       | 5                           | 1   | 1   | 0.01  | 1   | 1   | 0.01                        | 1    | 0.5  | 0.01  | 0.5               | 10  | 0.5  | 10  |
| ML22-52 (4307361)          | <5                          | <1  | <1  | 0.01  | 2   | 4   | 2.50                        | 3750 | <0.5 | 0.03  | 749               | 69  | 20.1 | <10 |
| ML22-53 (4307362)          | <5                          | <1  | <1  | <0.01 | 2   | 2   | 2.86                        | 3910 | <0.5 | <0.01 | 974               | 76  | 26.7 | <10 |
| ML22-54 (4307363)          | <5                          | <1  | <1  | 0.02  | 2   | 3   | 2.93                        | 4040 | 0.5  | 0.03  | 1040              | 74  | 21.5 | <10 |
| ML22-55 (4307364)          | <5                          | <1  | <1  | <0.01 | 2   | 3   | 1.97                        | 4020 | 2.9  | 0.02  | 809               | 64  | 19.7 | <10 |
| ML22-56 (4307365)          | <5                          | <1  | <1  | 0.03  | 4   | 133 | 5.68                        | 1790 | <0.5 | <0.01 | 843               | 154 | 63.6 | <10 |
| ML22-57 (4307366)          | <5                          | <1  | <1  | 0.03  | 5   | 196 | 5.40                        | 829  | <0.5 | <0.01 | 250               | 218 | 79.3 | <10 |
| ML22-58 (4307367)          | 8                           | <1  | <1  | <0.01 | 4   | 115 | 3.09                        | 1210 | <0.5 | 0.03  | 67.8              | 375 | 58.0 | <10 |
| ML22-59 (4307368)          | 11                          | <1  | <1  | 0.08  | 4   | 49  | 0.87                        | 639  | 1.3  | 0.02  | 115               | 655 | 51.8 | <10 |
| ML22-60 (4307369)          | 11                          | <1  | <1  | 0.20  | 2   | 27  | 0.78                        | 516  | 1.5  | <0.01 | 57.9              | 249 | 44.6 | 10  |
| ML22-61 (4307370)          | <5                          | <1  | <1  | <0.01 | 2   | 10  | 6.64                        | 1670 | <0.5 | 0.01  | 646               | 168 | 18.0 | <10 |
| ML22-62 (4307371)          | <5                          | <1  | <1  | 0.02  | 1   | 4   | 5.26                        | 2330 | <0.5 | 0.03  | 981               | 82  | 18.1 | <10 |
| ML22-63 (4307372)          | <5                          | <1  | <1  | 0.03  | 1   | 4   | 4.57                        | 2720 | <0.5 | 0.03  | 1220              | 78  | 21.5 | <10 |
| ML22-64 (4307373)          | <5                          | <1  | <1  | 0.03  | 1   | 3   | 4.78                        | 2550 | <0.5 | 0.03  | 1410              | 85  | 21.0 | <10 |
| ML22-65 (4307374)          | <5                          | <1  | <1  | 0.02  | 2   | 4   | 6.12                        | 3080 | <0.5 | 0.03  | 684               | 97  | 18.0 | <10 |
| ML22-66 (4307375)          | <5                          | <1  | <1  | 0.03  | 1   | 4   | 4.97                        | 2490 | <0.5 | 0.04  | 960               | 78  | 23.2 | <10 |
| ML22-67 (4307376)          | <5                          | <1  | <1  | 0.03  | 2   | 9   | 4.96                        | 2480 | <0.5 | 0.04  | 894               | 84  | 19.2 | <10 |
| ML22-68 (4307377)          | <5                          | <1  | <1  | 0.02  | 4   | 6   | 3.45                        | 1840 | <0.5 | 0.06  | 264               | 246 | 13.7 | <10 |
| ML22-69 (4307378)          | <5                          | <1  | <1  | 0.04  | 4   | 50  | 9.18                        | 2030 | <0.5 | 0.04  | 819               | 45  | 42.2 | <10 |
| ML22-70 (4307379)          | <5                          | <1  | <1  | 0.05  | 2   | 7   | 7.41                        | 1420 | <0.5 | 0.02  | 421               | 17  | 22.9 | <10 |
| ML22-71 (4307380)          | <5                          | <1  | <1  | 0.03  | 3   | 43  | 8.54                        | 1400 | <0.5 | 0.02  | 626               | 34  | 32.1 | <10 |
| ML22-72 (4307381)          | <5                          | <1  | <1  | 0.04  | 3   | 25  | 5.68                        | 1760 | <0.5 | 0.05  | 653               | 144 | 31.0 | <10 |
| ML22-73 (4307382)          | <5                          | <1  | <1  | 0.03  | 2   | 21  | 6.53                        | 1280 | <0.5 | 0.04  | 612               | 160 | 33.5 | <10 |
| ML22-74 (4307383)          | <5                          | <1  | <1  | 0.03  | 2   | 29  | 3.70                        | 1820 | <0.5 | 0.01  | 106               | 779 | 23.2 | <10 |
| ML22-75 (4307384)          | <5                          | <1  | <1  | 0.04  | 2   | 32  | 6.81                        | 1350 | <0.5 | 0.05  | 652               | 176 | 26.1 | <10 |
| ML22-76 (4307385)          | <5                          | <1  | <1  | 0.02  | 4   | 119 | 6.00                        | 1360 | 7.6  | 0.02  | 693               | 374 | 53.4 | <10 |
| ML22-77 (4307386)          | <5                          | <1  | <1  | 0.06  | 2   | 32  | 7.99                        | 2110 | <0.5 | 0.03  | 664               | 39  | 29.3 | <10 |
| ML22-78 (4307387)          | <5                          | <1  | <1  | 0.02  | <1  | 12  | 3.38                        | 1350 | <0.5 | 0.03  | 219               | 109 | 10.7 | <10 |
| ML22-79 (4307388)          | <5                          | <1  | <1  | <0.01 | 4   | 116 | 8.75                        | 772  | <0.5 | <0.01 | 482               | 114 | 46.4 | <10 |
| ML22-80 (4307389)          | <5                          | <1  | <1  | <0.01 | 4   | 132 | 8.24                        | 990  | <0.5 | <0.01 | 643               | 126 | 72.8 | <10 |
| ML22-81 (4307390)          | <5                          | <1  | <1  | <0.01 | 3   | 10  | 7.58                        | 735  | <0.5 | <0.01 | 1640              | 28  | 49.1 | <10 |
| ML22-82 (4307391)          | 7                           | <1  | <1  | 0.11  | 6   | 99  | 1.57                        | 528  | 0.5  | 0.01  | 51.4              | 367 | 59.5 | <10 |
| ML22-83 (4307392)          | <5                          | <1  | <1  | 0.06  | 5   | 34  | 0.64                        | 218  | 0.6  | 0.04  | 53.0              | 324 | 15.7 | <10 |

Certified By:





## Certificate of Analysis

AGAT WORK ORDER: 22T945521

PROJECT:

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

CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN, JIM RENAUD

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

| DATE SAMPLED: Sep 14, 2022 | DATE RECEIVED: Sep 15, 2022 |     |     |       |     |     | DATE REPORTED: Dec 23, 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:                        |     |     |       |     |     |                             |      |      |       |      |                   |      |     |  |
| ML22-84 (4307393)          | <5                          | <1  | <1  | <0.01 | 3   | 12  | 7.10                        | 1030 | <0.5 | <0.01 | 1680 | 76                | 43.5 | <10 |  |
| ML22-85 (4307394)          | <5                          | <1  | <1  | 0.19  | 3   | 33  | 1.20                        | 736  | 0.9  | 0.01  | 351  | 249               | 43.0 | <10 |  |
| ML22-86 (4307395)          | <5                          | <1  | <1  | <0.01 | 3   | 12  | 10.1                        | 583  | <0.5 | <0.01 | 1150 | 58                | 32.5 | <10 |  |
| ML22-87 (4307396)          | <5                          | <1  | <1  | <0.01 | 4   | 5   | 10.2                        | 1420 | <0.5 | <0.01 | 515  | 75                | 34.2 | <10 |  |
| ML22-88 (4307397)          | <5                          | <1  | <1  | <0.01 | 3   | 40  | 6.98                        | 1520 | <0.5 | <0.01 | 912  | 131               | 41.9 | <10 |  |
| ML22-89 (4307398)          | <5                          | <1  | <1  | 0.12  | 1   | 1   | 0.50                        | 413  | <0.5 | 0.04  | 36.2 | 240               | 10.3 | <10 |  |
| ML22-90 (4307399)          | <5                          | <1  | <1  | 0.08  | 3   | <1  | 0.49                        | 759  | <0.5 | 0.04  | 125  | 214               | 10.2 | <10 |  |
| ML22-91 (4307400)          | <5                          | <1  | <1  | 0.02  | 2   | 26  | 4.57                        | 820  | <0.5 | 0.03  | 1040 | <10               | 22.1 | <10 |  |
| ML22-92 (4307401)          | <5                          | <1  | <1  | <0.01 | 2   | 3   | 2.41                        | 3310 | 1.0  | 0.02  | 1050 | 59                | 39.2 | <10 |  |
| ML22-93 (4307402)          | <5                          | <1  | <1  | 0.02  | 2   | 14  | 7.25                        | 1870 | <0.5 | 0.03  | 502  | 86                | 26.5 | <10 |  |
| ML22-94 (4307403)          | <5                          | <1  | <1  | <0.01 | 2   | 2   | 5.35                        | 5680 | <0.5 | 0.02  | 517  | 65                | 29.1 | <10 |  |
| ML22-95 (4307404)          | <5                          | <1  | <1  | 0.01  | 1   | 2   | 3.68                        | 3140 | <0.5 | 0.02  | 462  | 79                | 21.7 | <10 |  |
| ML22-96 (4307405)          | <5                          | <1  | <1  | 0.01  | 1   | 3   | 3.78                        | 2680 | <0.5 | 0.02  | 881  | 83                | 18.8 | <10 |  |
| ML22-97 (4307406)          | <5                          | <1  | <1  | <0.01 | 3   | 27  | 5.95                        | 3170 | <0.5 | 0.01  | 2270 | 36                | 69.3 | <10 |  |
| ML22-98 (4307407)          | <5                          | <1  | <1  | <0.01 | 2   | 21  | 5.08                        | 2690 | <0.5 | 0.01  | 1860 | 34                | 60.2 | <10 |  |
| ML22-99 (4307408)          | <5                          | <1  | <1  | <0.01 | 2   | 3   | 7.23                        | 2510 | <0.5 | 0.01  | 593  | 33                | 20.9 | <10 |  |
| ML22-100 (4307409)         | <5                          | <1  | <1  | 0.01  | 2   | 20  | 7.23                        | 1390 | <0.5 | 0.02  | 1210 | 109               | 29.0 | <10 |  |

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## Certificate of Analysis

AGAT WORK ORDER: 22T945521

PROJECT:

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

CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN, JIM RENAUD

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

| DATE SAMPLED: Sep 14, 2022 | DATE RECEIVED: Sep 15, 2022 |     |      |     |     | DATE REPORTED: Dec 23, 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 |  |
| RDL:                       | 0.01                        | 1   | 0.5  | 10  | 5   | 0.5                         | 10  | 10  | 5   | 0.01  | 5                 | 5   | 0.5  | 1   |  |
| ML22-52 (4307361)          | 1.16                        | 2   | 11.5 | <10 | <5  | 118                         | <10 | <10 | <5  | <0.01 | <5                | <5  | 12.9 | <1  |  |
| ML22-53 (4307362)          | 2.81                        | 21  | 12.6 | <10 | <5  | 111                         | <10 | <10 | <5  | <0.01 | <5                | <5  | 9.4  | <1  |  |
| ML22-54 (4307363)          | 0.23                        | 1   | 14.5 | <10 | <5  | 78.4                        | <10 | <10 | <5  | <0.01 | <5                | <5  | 18.3 | <1  |  |
| ML22-55 (4307364)          | 0.22                        | 1   | 10.2 | <10 | <5  | 83.5                        | <10 | <10 | <5  | <0.01 | <5                | <5  | 10.6 | <1  |  |
| ML22-56 (4307365)          | 0.06                        | 23  | 22.7 | <10 | <5  | 124                         | <10 | <10 | <5  | <0.01 | <5                | <5  | 112  | <1  |  |
| ML22-57 (4307366)          | 0.02                        | 10  | 24.7 | <10 | <5  | 44.3                        | <10 | <10 | <5  | <0.01 | <5                | <5  | 143  | <1  |  |
| ML22-58 (4307367)          | 0.05                        | <1  | 28.7 | <10 | <5  | 34.2                        | <10 | <10 | <5  | 0.01  | <5                | <5  | 229  | <1  |  |
| ML22-59 (4307368)          | 7.59                        | 3   | 6.1  | <10 | <5  | 20.3                        | <10 | 15  | <5  | <0.01 | <5                | 9   | 41.1 | <1  |  |
| ML22-60 (4307369)          | 4.98                        | 5   | 3.4  | <10 | <5  | 22.8                        | <10 | 12  | <5  | <0.01 | <5                | 10  | 36.7 | <1  |  |
| ML22-61 (4307370)          | 0.12                        | 5   | 6.1  | <10 | <5  | 316                         | <10 | <10 | <5  | <0.01 | <5                | <5  | 15.6 | <1  |  |
| ML22-62 (4307371)          | 0.18                        | 72  | 11.8 | <10 | <5  | 105                         | <10 | <10 | <5  | <0.01 | <5                | <5  | 19.5 | <1  |  |
| ML22-63 (4307372)          | 0.44                        | 39  | 12.6 | <10 | <5  | 91.2                        | <10 | <10 | <5  | <0.01 | <5                | <5  | 19.8 | <1  |  |
| ML22-64 (4307373)          | 0.40                        | 60  | 11.9 | <10 | <5  | 103                         | <10 | <10 | <5  | <0.01 | <5                | <5  | 18.8 | <1  |  |
| ML22-65 (4307374)          | 0.21                        | 55  | 7.5  | <10 | <5  | 88.6                        | <10 | <10 | <5  | <0.01 | <5                | <5  | 13.4 | <1  |  |
| ML22-66 (4307375)          | 0.35                        | 7   | 13.0 | <10 | <5  | 112                         | <10 | <10 | <5  | <0.01 | <5                | <5  | 18.0 | <1  |  |
| ML22-67 (4307376)          | 0.25                        | 6   | 14.9 | <10 | <5  | 111                         | <10 | <10 | <5  | <0.01 | <5                | <5  | 22.8 | <1  |  |
| ML22-68 (4307377)          | 0.24                        | 3   | 12.4 | <10 | <5  | 105                         | <10 | <10 | <5  | <0.01 | <5                | <5  | 20.3 | <1  |  |
| ML22-69 (4307378)          | 0.06                        | 20  | 21.5 | <10 | <5  | 111                         | <10 | <10 | <5  | <0.01 | <5                | <5  | 45.5 | <1  |  |
| ML22-70 (4307379)          | 0.05                        | 14  | 18.2 | <10 | <5  | 299                         | <10 | <10 | <5  | <0.01 | <5                | <5  | 30.4 | <1  |  |
| ML22-71 (4307380)          | 0.05                        | 20  | 18.1 | <10 | <5  | 155                         | <10 | <10 | <5  | <0.01 | <5                | 6   | 42.8 | <1  |  |
| ML22-72 (4307381)          | 0.21                        | 16  | 22.3 | <10 | <5  | 138                         | <10 | <10 | <5  | <0.01 | <5                | 7   | 38.2 | <1  |  |
| ML22-73 (4307382)          | 2.84                        | 22  | 17.2 | <10 | <5  | 139                         | <10 | <10 | <5  | <0.01 | <5                | 6   | 31.7 | <1  |  |
| ML22-74 (4307383)          | 0.13                        | 7   | 11.4 | <10 | <5  | 151                         | <10 | <10 | <5  | <0.01 | <5                | <5  | 29.8 | <1  |  |
| ML22-75 (4307384)          | 0.88                        | 20  | 18.9 | <10 | <5  | 129                         | <10 | <10 | <5  | <0.01 | <5                | 6   | 39.3 | <1  |  |
| ML22-76 (4307385)          | 0.23                        | 14  | 17.8 | <10 | <5  | 172                         | <10 | <10 | <5  | <0.01 | <5                | 7   | 74.5 | <1  |  |
| ML22-77 (4307386)          | 0.05                        | 32  | 18.3 | <10 | <5  | 196                         | <10 | <10 | <5  | <0.01 | <5                | <5  | 38.5 | <1  |  |
| ML22-78 (4307387)          | 0.01                        | 26  | 8.7  | <10 | <5  | 128                         | <10 | <10 | <5  | <0.01 | <5                | <5  | 18.5 | <1  |  |
| ML22-79 (4307388)          | 0.15                        | 23  | 19.1 | <10 | <5  | 40.5                        | <10 | <10 | <5  | <0.01 | <5                | 6   | 78.0 | <1  |  |
| ML22-80 (4307389)          | 1.25                        | 34  | 19.7 | <10 | <5  | 40.2                        | <10 | <10 | <5  | <0.01 | <5                | 6   | 94.9 | <1  |  |
| ML22-81 (4307390)          | 0.07                        | 18  | 14.4 | <10 | <5  | 41.1                        | <10 | <10 | <5  | <0.01 | <5                | 6   | 67.6 | <1  |  |
| ML22-82 (4307391)          | 2.02                        | 8   | 2.1  | <10 | <5  | 7.7                         | <10 | <10 | <5  | <0.01 | <5                | 9   | 39.4 | <1  |  |
| ML22-83 (4307392)          | 0.41                        | 3   | 1.4  | <10 | <5  | 4.5                         | <10 | <10 | <5  | <0.01 | <5                | <5  | 27.4 | <1  |  |

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 22T945521

PROJECT:

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

CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN, JIM RENAUD

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

| DATE SAMPLED: Sep 14, 2022 | DATE RECEIVED: Sep 15, 2022 |     | DATE REPORTED: Dec 23, 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 |
| RDL:                       | 0.01                        | 1   | 0.5                         | 10  | 5                 | 0.5  | 10  | 10  | 5   | 0.01  | 5   | 5   | 0.5  | 1   |
| ML22-84 (4307393)          | 0.64                        | 18  | 14.1                        | <10 | <5                | 10.1 | <10 | <10 | <5  | <0.01 | <5  | <5  | 63.6 | <1  |
| ML22-85 (4307394)          | 3.04                        | 4   | 13.2                        | <10 | <5                | 67.3 | <10 | <10 | <5  | <0.01 | <5  | 7   | 46.2 | <1  |
| ML22-86 (4307395)          | 1.02                        | 9   | 11.5                        | <10 | <5                | 45.0 | <10 | <10 | <5  | <0.01 | <5  | <5  | 39.8 | <1  |
| ML22-87 (4307396)          | 0.05                        | 16  | 8.6                         | <10 | <5                | 104  | <10 | <10 | <5  | <0.01 | <5  | <5  | 38.4 | <1  |
| ML22-88 (4307397)          | 0.22                        | 12  | 12.1                        | <10 | <5                | 159  | <10 | <10 | <5  | <0.01 | <5  | 5   | 56.7 | <1  |
| ML22-89 (4307398)          | 0.11                        | <1  | 1.1                         | <10 | <5                | 51.0 | <10 | <10 | <5  | <0.01 | <5  | <5  | 2.2  | <1  |
| ML22-90 (4307399)          | 0.14                        | 3   | 2.5                         | <10 | <5                | 77.7 | <10 | <10 | <5  | <0.01 | <5  | <5  | 2.6  | <1  |
| ML22-91 (4307400)          | 0.10                        | 44  | 13.3                        | <10 | <5                | 253  | <10 | <10 | <5  | <0.01 | <5  | <5  | 29.6 | <1  |
| ML22-92 (4307401)          | 5.24                        | 35  | 11.2                        | <10 | <5                | 89.8 | <10 | 11  | <5  | <0.01 | <5  | 7   | 14.3 | <1  |
| ML22-93 (4307402)          | 0.40                        | 14  | 12.1                        | <10 | <5                | 175  | <10 | <10 | <5  | <0.01 | <5  | 6   | 23.1 | <1  |
| ML22-94 (4307403)          | 0.56                        | 3   | 14.7                        | <10 | <5                | 89.6 | <10 | <10 | <5  | <0.01 | <5  | <5  | 15.9 | <1  |
| ML22-95 (4307404)          | 0.10                        | 4   | 12.1                        | <10 | <5                | 42.0 | <10 | <10 | <5  | <0.01 | <5  | <5  | 17.4 | <1  |
| ML22-96 (4307405)          | 0.09                        | 1   | 13.4                        | <10 | <5                | 39.0 | <10 | <10 | <5  | <0.01 | <5  | <5  | 18.0 | <1  |
| ML22-97 (4307406)          | 7.45                        | 48  | 6.7                         | <10 | <5                | 77.6 | <10 | 11  | <5  | <0.01 | <5  | 7   | 40.2 | <1  |
| ML22-98 (4307407)          | 7.04                        | 56  | 8.0                         | <10 | <5                | 64.9 | <10 | 15  | <5  | <0.01 | <5  | 7   | 32.8 | <1  |
| ML22-99 (4307408)          | 0.12                        | 5   | 3.6                         | <10 | <5                | 78.8 | <10 | <10 | <5  | <0.01 | <5  | <5  | 10.6 | <1  |
| ML22-100 (4307409)         | 0.14                        | 14  | 10.6                        | <10 | <5                | 106  | <10 | <10 | <5  | <0.01 | <5  | 7   | 30.1 | <1  |

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 22T945521

PROJECT:

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

CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN, JIM RENAUD

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

| DATE SAMPLED: Sep 14, 2022 | DATE RECEIVED: Sep 15, 2022 | DATE REPORTED: Dec 23, 2022 | SAMPLE TYPE: Rock |  |
|----------------------------|-----------------------------|-----------------------------|-------------------|--|
| Analyte:                   | Y                           | Zn                          | Zr                |  |
| Unit:                      | ppm                         | ppm                         | ppm               |  |
| RDL:                       | 1                           | 0.5                         | 5                 |  |
| Sample ID (AGAT ID)        |                             |                             |                   |  |
| ML22-52 (4307361)          | 4                           | 11.6                        | <5                |  |
| ML22-53 (4307362)          | 4                           | 13.7                        | <5                |  |
| ML22-54 (4307363)          | 3                           | 16.1                        | <5                |  |
| ML22-55 (4307364)          | 5                           | 13.5                        | <5                |  |
| ML22-56 (4307365)          | 3                           | 51.0                        | <5                |  |
| ML22-57 (4307366)          | 2                           | 71.1                        | <5                |  |
| ML22-58 (4307367)          | 3                           | 69.6                        | <5                |  |
| ML22-59 (4307368)          | 4                           | 72.8                        | 19                |  |
| ML22-60 (4307369)          | 2                           | 37.1                        | 22                |  |
| ML22-61 (4307370)          | 2                           | 14.6                        | <5                |  |
| ML22-62 (4307371)          | 4                           | 19.7                        | <5                |  |
| ML22-63 (4307372)          | 4                           | 21.2                        | <5                |  |
| ML22-64 (4307373)          | 4                           | 20.9                        | <5                |  |
| ML22-65 (4307374)          | 5                           | 16.7                        | <5                |  |
| ML22-66 (4307375)          | 3                           | 20.1                        | <5                |  |
| ML22-67 (4307376)          | 4                           | 21.0                        | <5                |  |
| ML22-68 (4307377)          | 6                           | 17.5                        | 9                 |  |
| ML22-69 (4307378)          | 4                           | 52.2                        | <5                |  |
| ML22-70 (4307379)          | 3                           | 59.6                        | <5                |  |
| ML22-71 (4307380)          | 3                           | 46.3                        | <5                |  |
| ML22-72 (4307381)          | 4                           | 46.1                        | 7                 |  |
| ML22-73 (4307382)          | 2                           | 43.0                        | 6                 |  |
| ML22-74 (4307383)          | 4                           | 25.4                        | <5                |  |
| ML22-75 (4307384)          | 3                           | 54.5                        | 6                 |  |
| ML22-76 (4307385)          | 4                           | 89.8                        | 6                 |  |
| ML22-77 (4307386)          | 3                           | 63.2                        | <5                |  |
| ML22-78 (4307387)          | 1                           | 32.1                        | <5                |  |
| ML22-79 (4307388)          | 2                           | 97.6                        | 5                 |  |
| ML22-80 (4307389)          | 2                           | 106                         | 6                 |  |
| ML22-81 (4307390)          | 3                           | 46.9                        | <5                |  |
| ML22-82 (4307391)          | 1                           | 84.0                        | 13                |  |
| ML22-83 (4307392)          | 1                           | 26.9                        | 7                 |  |

Certified By:



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ATTENTION TO: ROBERT DILLMAN, JIM RENAUD

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

DATE SAMPLED: Sep 14, 2022

DATE RECEIVED: Sep 15, 2022

DATE REPORTED: Dec 23, 2022

SAMPLE TYPE: Rock

| Sample ID (AGAT ID) | Analyte:<br>Unit:<br>RDL: | Y<br>ppm<br>1 | Zn<br>ppm<br>0.5 | Zr<br>ppm<br>5 |
|---------------------|---------------------------|---------------|------------------|----------------|
| ML22-84 (4307393)   |                           | 2             | 47.0             | <5             |
| ML22-85 (4307394)   |                           | 4             | 68.2             | 17             |
| ML22-86 (4307395)   |                           | 2             | 29.0             | <5             |
| ML22-87 (4307396)   |                           | 2             | 17.7             | <5             |
| ML22-88 (4307397)   |                           | 3             | 41.9             | <5             |
| ML22-89 (4307398)   |                           | 2             | 35.9             | 7              |
| ML22-90 (4307399)   |                           | 3             | 95.0             | 10             |
| ML22-91 (4307400)   |                           | 3             | 11.9             | <5             |
| ML22-92 (4307401)   |                           | 3             | 9.7              | <5             |
| ML22-93 (4307402)   |                           | 4             | 17.0             | <5             |
| ML22-94 (4307403)   |                           | 5             | 15.1             | <5             |
| ML22-95 (4307404)   |                           | 5             | 11.5             | <5             |
| ML22-96 (4307405)   |                           | 4             | 11.0             | <5             |
| ML22-97 (4307406)   |                           | 4             | 24.9             | 5              |
| ML22-98 (4307407)   |                           | 3             | 24.4             | <5             |
| ML22-99 (4307408)   |                           | 2             | 15.7             | <5             |
| ML22-100 (4307409)  |                           | 3             | 21.1             | <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:



## Certificate of Analysis

AGAT WORK ORDER: 22T945521

PROJECT:

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

CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN, JIM RENAUD

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

| DATE SAMPLED: Sep 14, 2022 | DATE RECEIVED: Sep 15, 2022 | DATE REPORTED: Dec 23, 2022 | SAMPLE TYPE: Rock |
|----------------------------|-----------------------------|-----------------------------|-------------------|
| Analyte: Au                | Unit: ppm                   | RDL: 0.001                  |                   |
| Sample ID (AGAT ID)        |                             |                             |                   |
| ML22-52 (4307361)          |                             | 1.03                        |                   |
| ML22-53 (4307362)          |                             | 0.187                       |                   |
| ML22-54 (4307363)          |                             | 0.021                       |                   |
| ML22-55 (4307364)          |                             | 0.016                       |                   |
| ML22-56 (4307365)          |                             | 0.013                       |                   |
| ML22-57 (4307366)          |                             | 0.009                       |                   |
| ML22-58 (4307367)          |                             | 0.004                       |                   |
| ML22-59 (4307368)          |                             | 0.013                       |                   |
| ML22-60 (4307369)          |                             | 0.006                       |                   |
| ML22-61 (4307370)          |                             | 0.009                       |                   |
| ML22-62 (4307371)          |                             | 0.148                       |                   |
| ML22-63 (4307372)          |                             | 0.165                       |                   |
| ML22-64 (4307373)          |                             | 0.205                       |                   |
| ML22-65 (4307374)          |                             | 0.285                       |                   |
| ML22-66 (4307375)          |                             | 0.056                       |                   |
| ML22-67 (4307376)          |                             | 0.037                       |                   |
| ML22-68 (4307377)          |                             | 0.023                       |                   |
| ML22-69 (4307378)          |                             | 0.005                       |                   |
| ML22-70 (4307379)          |                             | 0.006                       |                   |
| ML22-71 (4307380)          |                             | 0.005                       |                   |
| ML22-72 (4307381)          |                             | 0.007                       |                   |
| ML22-73 (4307382)          |                             | 0.029                       |                   |
| ML22-74 (4307383)          |                             | 0.017                       |                   |
| ML22-75 (4307384)          |                             | 0.011                       |                   |
| ML22-76 (4307385)          |                             | 0.008                       |                   |
| ML22-77 (4307386)          |                             | 0.010                       |                   |
| ML22-78 (4307387)          |                             | 0.006                       |                   |
| ML22-79 (4307388)          |                             | 0.007                       |                   |
| ML22-80 (4307389)          |                             | 0.034                       |                   |
| ML22-81 (4307390)          |                             | 0.003                       |                   |
| ML22-82 (4307391)          |                             | 0.013                       |                   |
| ML22-83 (4307392)          |                             | 0.005                       |                   |

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 22T945521

PROJECT:

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

CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN, JIM RENAUD

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

DATE SAMPLED: Sep 14, 2022

DATE RECEIVED: Sep 15, 2022

DATE REPORTED: Dec 23, 2022

SAMPLE TYPE: Rock

| Sample ID (AGAT ID) | Analyte: | Unit: | RDL:  | Value |
|---------------------|----------|-------|-------|-------|
|                     | Au       | ppm   | 0.001 |       |
| ML22-84 (4307393)   |          |       |       | 0.004 |
| ML22-85 (4307394)   |          |       |       | 0.012 |
| ML22-86 (4307395)   |          |       |       | 0.005 |
| ML22-87 (4307396)   |          |       |       | 0.006 |
| ML22-88 (4307397)   |          |       |       | 0.005 |
| ML22-89 (4307398)   |          |       |       | 0.004 |
| ML22-90 (4307399)   |          |       |       | 0.003 |
| ML22-91 (4307400)   |          |       |       | 0.100 |
| ML22-92 (4307401)   |          |       |       | 0.953 |
| ML22-93 (4307402)   |          |       |       | 0.065 |
| ML22-94 (4307403)   |          |       |       | 0.071 |
| ML22-95 (4307404)   |          |       |       | 0.007 |
| ML22-96 (4307405)   |          |       |       | 0.005 |
| ML22-97 (4307406)   |          |       |       | 0.131 |
| ML22-98 (4307407)   |          |       |       | 0.137 |
| ML22-99 (4307408)   |          |       |       | 0.032 |
| ML22-100 (4307409)  |          |       |       | 0.010 |

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:



# Certificate of Analysis

AGAT WORK ORDER: 22T945521

PROJECT:

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

CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN, JIM RENAUD

## Sieving - % Passing (Crushing)

|                            |                             |                             |                   |
|----------------------------|-----------------------------|-----------------------------|-------------------|
| DATE SAMPLED: Sep 14, 2022 | DATE RECEIVED: Sep 15, 2022 | DATE REPORTED: Dec 23, 2022 | SAMPLE TYPE: Rock |
|----------------------------|-----------------------------|-----------------------------|-------------------|

|                     |            |  |
|---------------------|------------|--|
| Analyte:            | Crush-Pass |  |
|                     | %          |  |
| Unit:               | %          |  |
| RDL:                | 0.005      |  |
| Sample ID (AGAT ID) |            |  |
| ML22-52 (4307361)   | 79.130     |  |
| ML22-76 (4307385)   | 78.900     |  |
| ML22-96 (4307405)   | 79.440     |  |

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:





## Certificate of Analysis

AGAT WORK ORDER: 22T945521

PROJECT:

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

CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN, JIM RENAUD

### Sieving - % Passing (Pulverizing)

DATE SAMPLED: Sep 14, 2022

DATE RECEIVED: Sep 15, 2022

DATE REPORTED: Dec 23, 2022

SAMPLE TYPE: Rock

| Sample ID (AGAT ID) | Analyte: Pul-Pass % | Unit: % | RDL: 0.01 |
|---------------------|---------------------|---------|-----------|
| ML22-52 (4307361)   |                     |         | 87.94     |
| ML22-70 (4307379)   |                     |         | 87.78     |
| ML22-90 (4307399)   |                     |         | 86.98     |

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:



CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN, JIM RENAUD

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

| Parameter | REPLICATE #1 |          |           |       | REPLICATE #2 |          |           |      | REPLICATE #3 |          |           |       | REPLICATE #4 |          |           |       |
|-----------|--------------|----------|-----------|-------|--------------|----------|-----------|------|--------------|----------|-----------|-------|--------------|----------|-----------|-------|
|           | Sample ID    | Original | Replicate | RPD   | Sample ID    | Original | Replicate | RPD  | Sample ID    | Original | Replicate | RPD   | Sample ID    | Original | Replicate | RPD   |
| Ag        | 4307361      | 0.3      | 0.6       |       | 4307375      | 0.4      | 0.2       |      | 4307386      | 0.31     | 0.35      | 12.1% | 4307400      | 0.3      | 0.4       | 28.6% |
| Al        | 4307361      | 0.11     | 0.11      | 0.0%  | 4307375      | 0.16     | 0.16      | 0.0% | 4307386      | 0.708    | 0.669     | 5.7%  | 4307400      | 0.554    | 0.561     | 1.3%  |
| As        | 4307361      | 123      | 192       |       | 4307375      | 183      | 184       | 0.5% | 4307386      | 635      | 602       | 5.3%  | 4307400      | 695      | 695       | 0.0%  |
| B         | 4307361      | < 5      | < 5       | 0.0%  | 4307375      | < 5      | < 5       | 0.0% | 4307386      | < 5      | < 5       | 0.0%  | 4307400      | < 5      | < 5       | 0.0%  |
| Ba        | 4307361      | 9        | 10        | 10.5% | 4307375      | 9        | 9         | 0.0% | 4307386      | 26       | 24        | 8.0%  | 4307400      | 11       | 11        | 0.0%  |
| Be        | 4307361      | < 0.5    | < 0.5     | 0.0%  | 4307375      | < 0.5    | < 0.5     | 0.0% | 4307386      | < 0.5    | < 0.5     | 0.0%  | 4307400      | < 0.5    | < 0.5     | 0.0%  |
| Bi        | 4307361      | < 1      | < 1       | 0.0%  | 4307375      | < 1      | < 1       | 0.0% | 4307386      | < 1      | < 1       | 0.0%  | 4307400      | < 1      | < 1       | 0.0%  |
| Ca        | 4307361      | 18.8     | 18.3      | 2.7%  | 4307375      | 12.1     | 12.3      | 1.6% | 4307386      | 3.82     | 3.81      | 0.3%  | 4307400      | 8.53     | 8.65      | 1.4%  |
| Cd        | 4307361      | < 0.5    | < 0.5     | 0.0%  | 4307375      | < 0.5    | < 0.5     | 0.0% | 4307386      | < 0.5    | < 0.5     | 0.0%  | 4307400      | < 0.5    | < 0.5     | 0.0%  |
| Ce        | 4307361      | < 1      | < 1       | 0.0%  | 4307375      | < 1      | < 1       | 0.0% | 4307386      | < 1      | < 1       | 0.0%  | 4307400      | < 1      | < 1       | 0.0%  |
| Co        | 4307361      | 40.0     | 49.0      | 20.2% | 4307375      | 64.5     | 63.6      | 1.4% | 4307386      | 83.1     | 79.3      | 4.7%  | 4307400      | 58.9     | 59.9      | 1.7%  |
| Cr        | 4307361      | 145      | 159       | 9.2%  | 4307375      | 215      | 215       | 0.0% | 4307386      | 792      | 767       | 3.2%  | 4307400      | 696      | 699       | 0.4%  |
| Cu        | 4307361      | 4.6      | 4.7       | 2.2%  | 4307375      | 17.0     | 15.8      | 7.3% | 4307386      | 101      | 95.1      | 6.0%  | 4307400      | 58.2     | 63.4      | 8.6%  |
| Fe        | 4307361      | 5.16     | 5.58      | 7.8%  | 4307375      | 5.46     | 5.54      | 1.5% | 4307386      | 5.07     | 5.02      | 1.0%  | 4307400      | 2.77     | 2.80      | 1.1%  |
| Ga        | 4307361      | < 5      | < 5       | 0.0%  | 4307375      | < 5      | < 5       | 0.0% | 4307386      | < 5      | < 5       | 0.0%  | 4307400      | < 5      | < 5       | 0.0%  |
| Hg        | 4307361      | < 1      | < 1       | 0.0%  | 4307375      | < 1      | < 1       | 0.0% | 4307386      | < 1      | < 1       | 0.0%  | 4307400      | < 1      | < 1       | 0.0%  |
| In        | 4307361      | < 1      | < 1       | 0.0%  | 4307375      | < 1      | < 1       | 0.0% | 4307386      | < 1      | < 1       | 0.0%  | 4307400      | < 1      | < 1       | 0.0%  |
| K         | 4307361      | 0.013    | 0.016     | 20.7% | 4307375      | 0.03     | 0.03      | 0.0% | 4307386      | 0.059    | 0.054     | 8.8%  | 4307400      | 0.02     | 0.02      | 0.0%  |
| La        | 4307361      | 2        | 2         | 0.0%  | 4307375      | 1        | 2         |      | 4307386      | 2        | 2         | 0.0%  | 4307400      | 2        | 2         | 0.0%  |
| Li        | 4307361      | 4        | 4         | 0.0%  | 4307375      | 4        | 4         | 0.0% | 4307386      | 32       | 31        | 3.2%  | 4307400      | 26       | 25        | 3.9%  |
| Mg        | 4307361      | 2.50     | 2.36      | 5.8%  | 4307375      | 4.97     | 5.07      | 2.0% | 4307386      | 7.99     | 7.90      | 1.1%  | 4307400      | 4.57     | 4.61      | 0.9%  |
| Mn        | 4307361      | 3750     | 3600      | 4.1%  | 4307375      | 2490     | 2540      | 2.0% | 4307386      | 2110     | 2100      | 0.5%  | 4307400      | 820      | 828       | 1.0%  |
| Mo        | 4307361      | < 0.5    | < 0.5     | 0.0%  | 4307375      | < 0.5    | < 0.5     | 0.0% | 4307386      | < 0.5    | < 0.5     | 0.0%  | 4307400      | < 0.5    | < 0.5     | 0.0%  |
| Na        | 4307361      | 0.03     | 0.03      | 0.0%  | 4307375      | 0.035    | 0.035     | 0.0% | 4307386      | 0.03     | 0.03      | 0.0%  | 4307400      | 0.03     | 0.03      | 0.0%  |
| Ni        | 4307361      | 749      | 811       | 7.9%  | 4307375      | 960      | 971       | 1.1% | 4307386      | 664      | 630       | 5.3%  | 4307400      | 1040     | 1040      | 0.0%  |
| P         | 4307361      | 69       | 76        | 9.7%  | 4307375      | 78       | 81        | 3.8% | 4307386      | 39       | 41        | 5.0%  | 4307400      | < 10     | < 10      | 0.0%  |
| Pb        | 4307361      | 20.1     | 23.3      | 14.7% | 4307375      | 23.2     | 22.3      | 4.0% | 4307386      | 29.3     | 25.9      | 12.3% | 4307400      | 22.1     | 23.2      | 4.9%  |
| Rb        | 4307361      | < 10     | < 10      | 0.0%  | 4307375      | < 10     | < 10      | 0.0% | 4307386      | < 10     | < 10      | 0.0%  | 4307400      | < 10     | < 10      | 0.0%  |
| S         | 4307361      | 1.16     | 1.71      |       | 4307375      | 0.35     | 0.35      | 0.0% | 4307386      | 0.047    | 0.043     | 8.9%  | 4307400      | 0.104    | 0.105     | 1.0%  |
| Sb        | 4307361      | 2        | 2         | 0.0%  | 4307375      | 7        | 5         |      | 4307386      | 32       | 31        | 3.2%  | 4307400      | 44       | 44        | 0.0%  |
| Sc        | 4307361      | 11.5     | 11.2      | 2.6%  | 4307375      | 13.0     | 13.3      | 2.3% | 4307386      | 18.3     | 18.1      | 1.1%  | 4307400      | 13.3     | 13.5      | 1.5%  |



CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN, JIM RENAUD

|    |         |        |        |       |         |        |        |       |         |        |        |      |         |        |        |      |
|----|---------|--------|--------|-------|---------|--------|--------|-------|---------|--------|--------|------|---------|--------|--------|------|
| Se | 4307361 | < 10   | < 10   | 0.0%  | 4307375 | < 10   | < 10   | 0.0%  | 4307386 | < 10   | < 10   | 0.0% | 4307400 | < 10   | < 10   | 0.0% |
| Sn | 4307361 | < 5    | < 5    | 0.0%  | 4307375 | < 5    | < 5    | 0.0%  | 4307386 | < 5    | < 5    | 0.0% | 4307400 | < 5    | < 5    | 0.0% |
| Sr | 4307361 | 118    | 115    | 2.6%  | 4307375 | 112    | 114    | 1.8%  | 4307386 | 196    | 192    | 2.1% | 4307400 | 253    | 257    | 1.6% |
| Ta | 4307361 | < 10   | < 10   | 0.0%  | 4307375 | < 10   | < 10   | 0.0%  | 4307386 | < 10   | < 10   | 0.0% | 4307400 | < 10   | < 10   | 0.0% |
| Te | 4307361 | < 10   | < 10   | 0.0%  | 4307375 | < 10   | < 10   | 0.0%  | 4307386 | < 10   | < 10   | 0.0% | 4307400 | < 10   | < 10   | 0.0% |
| Th | 4307361 | < 5    | < 5    | 0.0%  | 4307375 | < 5    | < 5    | 0.0%  | 4307386 | < 5    | < 5    | 0.0% | 4307400 | < 5    | < 5    | 0.0% |
| Ti | 4307361 | < 0.01 | < 0.01 | 0.0%  | 4307375 | < 0.01 | < 0.01 | 0.0%  | 4307386 | < 0.01 | < 0.01 | 0.0% | 4307400 | < 0.01 | < 0.01 | 0.0% |
| Tl | 4307361 | < 5    | < 5    | 0.0%  | 4307375 | < 5    | < 5    | 0.0%  | 4307386 | < 5    | < 5    | 0.0% | 4307400 | < 5    | < 5    | 0.0% |
| U  | 4307361 | < 5    | < 5    | 0.0%  | 4307375 | < 5    | < 5    | 0.0%  | 4307386 | < 5    | < 5    | 0.0% | 4307400 | < 5    | < 5    | 0.0% |
| V  | 4307361 | 12.9   | 14.2   | 9.6%  | 4307375 | 18.0   | 18.4   | 2.2%  | 4307386 | 38.5   | 36.8   | 4.5% | 4307400 | 29.6   | 30.4   | 2.7% |
| W  | 4307361 | < 1    | < 1    | 0.0%  | 4307375 | < 1    | < 1    | 0.0%  | 4307386 | < 1    | < 1    | 0.0% | 4307400 | < 1    | < 1    | 0.0% |
| Y  | 4307361 | 4      | 4      | 0.0%  | 4307375 | 3      | 4      | 28.6% | 4307386 | 3      | 3      | 0.0% | 4307400 | 3      | 3      | 0.0% |
| Zn | 4307361 | 11.6   | 10.3   | 11.9% | 4307375 | 20.1   | 20.7   | 2.9%  | 4307386 | 63.2   | 61.2   | 3.2% | 4307400 | 11.9   | 12.5   | 4.9% |
| Zr | 4307361 | < 5    | < 5    | 0.0%  | 4307375 | < 5    | < 5    | 0.0%  | 4307386 | < 5    | < 5    | 0.0% | 4307400 | < 5    | < 5    | 0.0% |

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

| Parameter | REPLICATE #1 |          |           |      | REPLICATE #2 |          |           |      | REPLICATE #3 |          |           |      | REPLICATE #4 |          |           |      |
|-----------|--------------|----------|-----------|------|--------------|----------|-----------|------|--------------|----------|-----------|------|--------------|----------|-----------|------|
|           | Sample ID    | Original | Replicate | RPD  | Sample ID    | Original | Replicate | RPD  | Sample ID    | Original | Replicate | RPD  | Sample ID    | Original | Replicate | RPD  |
| Au        | 4307361      | 1.03     | 1.08      | 4.7% | 4307372      | 0.165    | 0.165     | 0.0% | 4307386      | 0.0097   | 0.0094    | 3.1% | 4307400      | 0.100    | 0.0992    | 0.8% |



CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN, JIM RENAUD

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

| Parameter | CRM #1 (ref.ME-1206) |        |          |        | CRM #2 (ref.ME-1308) |        |          |        | CRM #3 (ref.ME-1303) |        |          |        |  |  |  |  |
|-----------|----------------------|--------|----------|--------|----------------------|--------|----------|--------|----------------------|--------|----------|--------|--|--|--|--|
|           | Expect               | Actual | Recovery | Limits | Expect               | Actual | Recovery | Limits | Expect               | Actual | Recovery | Limits |  |  |  |  |
| Ag        | 274                  | 273    | 100%     |        | 45.7                 | 46.2   | 101%     |        | 152                  | 154    | 101%     |        |  |  |  |  |
| Cu        | 7900                 | 8135   | 103%     |        | 3980                 | 4059   | 102%     |        | 3440                 | 3627   | 105%     |        |  |  |  |  |
| Pb        | 8010                 | 7701   | 96%      |        | 5410                 | 5563   | 103%     |        | 12200                | 12230  | 100%     |        |  |  |  |  |
| Zn        | 23800                | 20954  | 88%      |        | 4290                 | 3938   | 92%      |        | 9310                 | 9027   | 97%      |        |  |  |  |  |

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

| Parameter | CRM #1 (ref.GS4N) |        |          |        | CRM #2 (ref.GS7J) |        |          |        | CRM #3 (ref.ME-1303) |        |          |        |  |  |  |  |
|-----------|-------------------|--------|----------|--------|-------------------|--------|----------|--------|----------------------|--------|----------|--------|--|--|--|--|
|           | Expect            | Actual | Recovery | Limits | Expect            | Actual | Recovery | Limits | Expect               | Actual | Recovery | Limits |  |  |  |  |
| Au        | 3.88              | 3.98   | 103%     |        | 7.34              | 7.51   | 102%     |        |                      |        |          |        |  |  |  |  |



## Method Summary

CLIENT NAME: ROBERT DILLMAN

AGAT WORK ORDER: 22T945521

PROJECT:

ATTENTION TO: ROBERT DILLMAN, JIM RENAUD

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              |



## Method Summary

CLIENT NAME: ROBERT DILLMAN

AGAT WORK ORDER: 22T945521

PROJECT:

ATTENTION TO: ROBERT DILLMAN, JIM RENAUD

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              |
| Crush-Pass % |                      |                                               | BALANCE              |
| Pul-Pass %   |                      |                                               | BALANCE              |



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

ATTENTION TO: ROBERT DILLMAN, Jim Renaud

PROJECT:

AGAT WORK ORDER: 22T955550

SOLID ANALYSIS REVIEWED BY: Jeffrey Xiong, Lab Team Lead

DATE REPORTED: Nov 30, 2022

PAGES (INCLUDING COVER): 14

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.
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- All reportable information as specified by ISO/IEC 17025:2017 is available from AGAT Laboratories upon request.



## Certificate of Analysis

AGAT WORK ORDER: 22T955550

PROJECT:

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

CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN, Jim Renaud

### (200-) Sample Login Weight

DATE SAMPLED: Oct 10, 2022

DATE RECEIVED: Oct 11, 2022

DATE REPORTED: Nov 30, 2022

SAMPLE TYPE: Rock

| Sample ID (AGAT ID) | Analyte: | Sample Login Weight |
|---------------------|----------|---------------------|
|                     | Unit:    | kg                  |
|                     | RDL:     | 0.005               |
| ML22-101 (4397096)  |          | 1.610               |
| ML22-102 (4397097)  |          | 3.000               |
| ML22-103 (4397098)  |          | 2.100               |
| ML22-104 (4397099)  |          | 1.250               |
| ML22-105 (4397100)  |          | 2.900               |
| ML22-106 (4397101)  |          | 2.140               |
| ML22-107 (4397102)  |          | 2.690               |
| ML22-108 (4397103)  |          | 2.050               |
| ML22-109 (4397104)  |          | 2.860               |
| ML22-110 (4397105)  |          | 1.260               |
| ML22-111 (4397106)  |          | 1.020               |
| ML22-112 (4397107)  |          | 1.230               |
| ML22-113 (4397108)  |          | 4.020               |
| ML22-114 (4397109)  |          | 1.780               |
| ML22-115 (4397110)  |          | 3.600               |
| ML22-116 (4397111)  |          | 3.530               |
| ML22-117 (4397112)  |          | 3.230               |
| ML22-118 (4397113)  |          | 1.770               |
| ML22-119 (4397114)  |          | 2.790               |
| ML22-120 (4397115)  |          | 2.030               |
| ML22-121 (4397116)  |          | 2.010               |
| ML22-122 (4397117)  |          | 2.130               |

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:





## Certificate of Analysis

AGAT WORK ORDER: 22T955550

PROJECT:

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

CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN, Jim Renaud

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

DATE SAMPLED: Oct 10, 2022

DATE RECEIVED: Oct 11, 2022

DATE REPORTED: Nov 30, 2022

SAMPLE TYPE: Rock

| Sample ID (AGAT ID) | Analyte:<br>Unit:<br>RDL: | Ag<br>ppm | Al<br>% | As<br>ppm | B<br>ppm | Ba<br>ppm | Be<br>ppm | Bi<br>ppm | Ca<br>% | Cd<br>ppm | Ce<br>ppm | Co<br>ppm | Cr<br>ppm | Cu<br>ppm | Fe<br>% |
|---------------------|---------------------------|-----------|---------|-----------|----------|-----------|-----------|-----------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| ML22-101 (4397096)  | <0.2                      | 0.23      | 67      | <5        | 16       | <0.5      | <1        | 8.33      | <0.5    | 2         | 47.9      | 205       | 4.4       | 4.20      |         |
| ML22-102 (4397097)  | <0.2                      | 0.10      | 272     | <5        | 11       | <0.5      | <1        | 14.5      | <0.5    | 2         | 35.5      | 169       | <0.5      | 6.22      |         |
| ML22-103 (4397098)  | <0.2                      | 0.12      | 58      | <5        | 10       | <0.5      | <1        | 9.32      | <0.5    | 1         | 71.9      | 186       | 347       | 4.80      |         |
| ML22-104 (4397099)  | <0.2                      | 0.27      | 243     | <5        | 6        | <0.5      | <1        | 13.0      | <0.5    | <1        | 45.5      | 375       | <0.5      | 5.05      |         |
| ML22-105 (4397100)  | <0.2                      | 0.13      | 77      | <5        | 13       | <0.5      | <1        | 10.1      | <0.5    | <1        | 55.5      | 193       | <0.5      | 4.08      |         |
| ML22-106 (4397101)  | <0.2                      | 0.15      | 62      | <5        | 12       | <0.5      | <1        | 13.1      | <0.5    | 2         | 46.3      | 168       | <0.5      | 5.28      |         |
| ML22-107 (4397102)  | <0.2                      | 0.12      | 67      | <5        | 10       | <0.5      | <1        | 8.75      | <0.5    | <1        | 68.6      | 198       | 129       | 3.98      |         |
| ML22-108 (4397103)  | <0.2                      | 0.06      | 522     | <5        | 12       | <0.5      | <1        | 17.9      | <0.5    | <1        | 48.3      | 257       | <0.5      | 4.34      |         |
| ML22-109 (4397104)  | <0.2                      | 0.08      | 494     | <5        | 14       | <0.5      | <1        | 15.6      | <0.5    | <1        | 47.8      | 306       | <0.5      | 4.09      |         |
| ML22-110 (4397105)  | <0.2                      | 0.51      | 298     | <5        | 11       | <0.5      | <1        | 13.8      | <0.5    | <1        | 67.4      | 627       | <0.5      | 3.71      |         |
| ML22-111 (4397106)  | <0.2                      | 0.50      | 886     | <5        | 17       | <0.5      | <1        | 6.16      | <0.5    | 2         | 74.1      | 753       | <0.5      | 4.84      |         |
| ML22-112 (4397107)  | <0.2                      | 1.12      | 55      | 11        | 137      | <0.5      | <1        | 2.51      | <0.5    | 5         | 46.7      | 36.3      | 81.0      | 7.51      |         |
| ML22-113 (4397108)  | <0.2                      | 0.51      | 6       | <5        | 13       | <0.5      | <1        | 11.5      | <0.5    | 3         | 53.3      | 342       | 31.0      | 4.93      |         |
| ML22-114 (4397109)  | <0.2                      | 1.34      | 31      | <5        | 42       | <0.5      | <1        | 8.74      | <0.5    | 4         | 57.9      | 858       | 37.5      | 6.03      |         |
| ML22-115 (4397110)  | <0.2                      | 0.54      | <1      | <5        | 7        | <0.5      | <1        | 10.8      | <0.5    | 5         | 35.2      | 268       | 11.1      | 4.70      |         |
| ML22-116 (4397111)  | <0.2                      | 1.67      | 4       | <5        | 19       | <0.5      | <1        | 10.4      | <0.5    | 4         | 45.4      | 633       | 19.9      | 6.47      |         |
| ML22-117 (4397112)  | <0.2                      | 0.91      | <1      | <5        | 16       | <0.5      | <1        | 12.2      | <0.5    | 3         | 76.9      | 644       | 46.3      | 5.46      |         |
| ML22-118 (4397113)  | <0.2                      | 0.36      | <1      | <5        | 62       | <0.5      | <1        | 10.5      | <0.5    | 4         | 64.3      | 237       | 36.7      | 5.68      |         |
| ML22-119 (4397114)  | <0.2                      | 0.24      | 240     | <5        | 16       | <0.5      | <1        | 13.3      | <0.5    | 1         | 47.7      | 261       | 8.0       | 5.72      |         |
| ML22-120 (4397115)  | <0.2                      | 0.34      | <1      | <5        | 27       | <0.5      | <1        | 2.25      | <0.5    | 6         | 7.1       | 41.6      | 30.5      | 4.15      |         |
| ML22-121 (4397116)  | <0.2                      | 0.23      | <1      | <5        | 382      | <0.5      | <1        | 4.21      | <0.5    | 70        | 18.8      | 55.6      | 26.0      | 2.67      |         |
| ML22-122 (4397117)  | <0.2                      | 0.59      | <1      | <5        | 42       | <0.5      | <1        | 1.05      | <0.5    | 2         | 60.4      | 939       | <0.5      | 4.35      |         |

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 22T955550

PROJECT:

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

CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN, Jim Renaud

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

| DATE SAMPLED: Oct 10, 2022 | DATE RECEIVED: Oct 11, 2022 |     |     |       |     |     | DATE REPORTED: Nov 30, 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 |
| RDL:                       | 5                           | 1   | 1   | 0.01  | 1   | 1   | 0.01                        | 1    | 0.5  | 0.01  | 0.5               | 10   | 0.5 | 10  |
| ML22-101 (4397096)         | 16                          | 4   | <1  | 0.01  | <1  | 10  | 3.56                        | 2680 | <0.5 | 0.03  | 371               | 84   | 6.3 | <10 |
| ML22-102 (4397097)         | 23                          | 8   | <1  | <0.01 | <1  | 5   | 5.97                        | 4480 | <0.5 | 0.02  | 268               | 144  | 4.5 | <10 |
| ML22-103 (4397098)         | 19                          | <1  | <1  | 0.02  | <1  | 5   | 3.93                        | 2360 | <0.5 | 0.02  | 411               | 66   | 7.4 | <10 |
| ML22-104 (4397099)         | 20                          | 8   | <1  | <0.01 | <1  | 13  | 5.87                        | 3170 | <0.5 | 0.02  | 457               | 71   | 3.0 | <10 |
| ML22-105 (4397100)         | 20                          | <1  | <1  | 0.02  | <1  | 6   | 4.30                        | 2990 | <0.5 | 0.02  | 401               | 218  | 2.1 | <10 |
| ML22-106 (4397101)         | 21                          | 7   | <1  | 0.03  | <1  | 6   | 5.54                        | 3640 | <0.5 | 0.02  | 266               | 105  | 2.2 | <10 |
| ML22-107 (4397102)         | 16                          | 5   | <1  | 0.02  | <1  | 5   | 3.68                        | 2220 | <0.5 | 0.01  | 418               | 63   | 5.7 | <10 |
| ML22-108 (4397103)         | 15                          | 7   | <1  | 0.02  | <1  | 3   | 8.60                        | 2190 | <0.5 | 0.02  | 658               | 84   | 1.9 | <10 |
| ML22-109 (4397104)         | 15                          | 5   | <1  | 0.02  | <1  | 3   | 7.58                        | 1880 | <0.5 | 0.02  | 671               | 319  | 0.6 | <10 |
| ML22-110 (4397105)         | 14                          | 2   | <1  | <0.01 | <1  | 26  | 7.61                        | 1760 | <0.5 | <0.01 | 1110              | 30   | 1.6 | <10 |
| ML22-111 (4397106)         | 15                          | 6   | <1  | <0.01 | <1  | 29  | 9.45                        | 1070 | <0.5 | <0.01 | 816               | 19   | 2.4 | <10 |
| ML22-112 (4397107)         | 26                          | 5   | <1  | 0.02  | <1  | 28  | 1.28                        | 2540 | <0.5 | 0.06  | 119               | 244  | 6.3 | <10 |
| ML22-113 (4397108)         | 20                          | 4   | <1  | 0.02  | 1   | 17  | 4.05                        | 1840 | <0.5 | 0.04  | 409               | 156  | 2.0 | <10 |
| ML22-114 (4397109)         | 24                          | 6   | <1  | 0.02  | <1  | 51  | 4.43                        | 1830 | <0.5 | 0.03  | 527               | 165  | 2.4 | <10 |
| ML22-115 (4397110)         | 17                          | 3   | <1  | 0.02  | 2   | 19  | 4.60                        | 1680 | <0.5 | 0.03  | 207               | 182  | 2.2 | <10 |
| ML22-116 (4397111)         | 24                          | 4   | <1  | 0.02  | <1  | 63  | 5.31                        | 2220 | <0.5 | 0.03  | 357               | 165  | 3.1 | <10 |
| ML22-117 (4397112)         | 22                          | 7   | <1  | 0.02  | 1   | 35  | 4.21                        | 1750 | <0.5 | 0.03  | 765               | 157  | 1.4 | <10 |
| ML22-118 (4397113)         | 19                          | 4   | <1  | 0.02  | <1  | 12  | 3.57                        | 2010 | <0.5 | 0.03  | 508               | 171  | 2.7 | <10 |
| ML22-119 (4397114)         | 21                          | 6   | <1  | 0.02  | <1  | 10  | 5.87                        | 2460 | <0.5 | 0.03  | 231               | 102  | 4.5 | <10 |
| ML22-120 (4397115)         | 15                          | 3   | <1  | 0.06  | <1  | 4   | 0.50                        | 1810 | <0.5 | 0.06  | 54.9              | 525  | 3.5 | <10 |
| ML22-121 (4397116)         | 14                          | 3   | <1  | 0.16  | 30  | 6   | 1.81                        | 542  | <0.5 | 0.02  | 78.8              | 1290 | 5.9 | <10 |
| ML22-122 (4397117)         | 15                          | 1   | <1  | <0.01 | <1  | 3   | 10.1                        | 1080 | <0.5 | <0.01 | 751               | 75   | 4.4 | <10 |

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 22T955550

PROJECT:

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

CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN, Jim Renaud

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

| DATE SAMPLED: Oct 10, 2022 | DATE RECEIVED: Oct 11, 2022 |     |      |     |     | DATE REPORTED: Nov 30, 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 |  |
| RDL:                       | 0.01                        | 1   | 0.5  | 10  | 5   | 0.5                         | 10  | 10  | 5   | 0.01  | 5                 | 5   | 0.5  | 1   |  |
| ML22-101 (4397096)         | 0.08                        | <1  | 13.2 | 11  | <5  | 98.4                        | 22  | <10 | 20  | <0.01 | <5                | 7   | 26.4 | 1   |  |
| ML22-102 (4397097)         | 0.13                        | 6   | 8.5  | <10 | <5  | 104                         | 35  | 11  | 22  | <0.01 | <5                | 7   | 14.5 | <1  |  |
| ML22-103 (4397098)         | 1.29                        | 5   | 10.3 | <10 | <5  | 130                         | 21  | <10 | 18  | <0.01 | <5                | 9   | 16.3 | <1  |  |
| ML22-104 (4397099)         | 0.13                        | <1  | 12.3 | <10 | <5  | 134                         | 24  | <10 | 21  | <0.01 | <5                | 9   | 27.5 | <1  |  |
| ML22-105 (4397100)         | 0.13                        | <1  | 10.1 | <10 | <5  | 120                         | 21  | <10 | 19  | <0.01 | <5                | 7   | 15.7 | <1  |  |
| ML22-106 (4397101)         | 0.12                        | <1  | 13.0 | <10 | <5  | 177                         | 22  | <10 | 22  | <0.01 | <5                | 8   | 23.6 | <1  |  |
| ML22-107 (4397102)         | 0.89                        | 4   | 8.6  | <10 | <5  | 109                         | 19  | <10 | 19  | <0.01 | <5                | 6   | 12.8 | <1  |  |
| ML22-108 (4397103)         | 0.18                        | 13  | 6.5  | <10 | <5  | 235                         | 20  | <10 | 22  | <0.01 | <5                | 6   | 11.3 | <1  |  |
| ML22-109 (4397104)         | 0.16                        | 11  | 7.0  | <10 | <5  | 193                         | 17  | <10 | 20  | <0.01 | <5                | 5   | 11.3 | <1  |  |
| ML22-110 (4397105)         | 0.16                        | <1  | 6.9  | <10 | <5  | 382                         | 20  | <10 | 19  | <0.01 | <5                | 8   | 22.3 | <1  |  |
| ML22-111 (4397106)         | 0.07                        | 5   | 10.9 | <10 | <5  | 119                         | 25  | <10 | 23  | <0.01 | <5                | 9   | 25.2 | <1  |  |
| ML22-112 (4397107)         | 0.20                        | 9   | 29.3 | 17  | <5  | 34.1                        | 34  | <10 | 23  | <0.01 | <5                | 12  | 95.3 | 2   |  |
| ML22-113 (4397108)         | 0.13                        | 2   | 16.1 | 13  | <5  | 51.9                        | 26  | <10 | 21  | <0.01 | <5                | 7   | 38.5 | <1  |  |
| ML22-114 (4397109)         | 0.08                        | <1  | 20.7 | <10 | <5  | 46.3                        | 29  | <10 | 24  | <0.01 | <5                | 8   | 64.0 | 2   |  |
| ML22-115 (4397110)         | 0.10                        | <1  | 13.5 | <10 | <5  | 60.3                        | 24  | <10 | 22  | <0.01 | <5                | 9   | 36.0 | <1  |  |
| ML22-116 (4397111)         | 0.10                        | <1  | 20.7 | <10 | <5  | 57.5                        | 36  | 13  | 23  | <0.01 | <5                | 9   | 72.0 | 2   |  |
| ML22-117 (4397112)         | 0.14                        | <1  | 19.0 | 14  | <5  | 44.2                        | 31  | <10 | 20  | <0.01 | <5                | 8   | 50.8 | 1   |  |
| ML22-118 (4397113)         | 0.14                        | <1  | 19.4 | <10 | <5  | 41.2                        | 30  | <10 | 23  | <0.01 | <5                | 8   | 35.6 | 2   |  |
| ML22-119 (4397114)         | 0.14                        | 7   | 14.9 | <10 | <5  | 160                         | 24  | <10 | 22  | <0.01 | <5                | 10  | 25.7 | 1   |  |
| ML22-120 (4397115)         | 0.07                        | 2   | 4.4  | <10 | <5  | 38.4                        | 21  | <10 | 13  | <0.01 | <5                | 8   | 8.8  | 1   |  |
| ML22-121 (4397116)         | 0.14                        | <1  | 6.9  | <10 | <5  | 268                         | 14  | <10 | 18  | <0.01 | <5                | 5   | 8.7  | 1   |  |
| ML22-122 (4397117)         | 0.01                        | <1  | 10.7 | <10 | <5  | 16.9                        | 21  | <10 | 24  | <0.01 | <5                | 8   | 31.1 | <1  |  |

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 22T955550

PROJECT:

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

CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN, Jim Renaud

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

DATE SAMPLED: Oct 10, 2022

DATE RECEIVED: Oct 11, 2022

DATE REPORTED: Nov 30, 2022

SAMPLE TYPE: Rock

| Sample ID (AGAT ID) | Analyte:<br>Unit:<br>RDL: | Y<br>ppm<br>1 | Zn<br>ppm<br>0.5 | Zr<br>ppm<br>5 |
|---------------------|---------------------------|---------------|------------------|----------------|
| ML22-101 (4397096)  |                           | 4             | 16.2             | <5             |
| ML22-102 (4397097)  |                           | 5             | 6.8              | <5             |
| ML22-103 (4397098)  |                           | 3             | 10.4             | <5             |
| ML22-104 (4397099)  |                           | 4             | 16.8             | <5             |
| ML22-105 (4397100)  |                           | 4             | 11.1             | <5             |
| ML22-106 (4397101)  |                           | 4             | 18.6             | <5             |
| ML22-107 (4397102)  |                           | 2             | 5.8              | <5             |
| ML22-108 (4397103)  |                           | 2             | 14.8             | <5             |
| ML22-109 (4397104)  |                           | 2             | 11.2             | <5             |
| ML22-110 (4397105)  |                           | 2             | 12.8             | <5             |
| ML22-111 (4397106)  |                           | 2             | 18.2             | <5             |
| ML22-112 (4397107)  |                           | 5             | 56.5             | <5             |
| ML22-113 (4397108)  |                           | 6             | 39.7             | <5             |
| ML22-114 (4397109)  |                           | 6             | 53.3             | <5             |
| ML22-115 (4397110)  |                           | 6             | 26.3             | <5             |
| ML22-116 (4397111)  |                           | 6             | 54.9             | <5             |
| ML22-117 (4397112)  |                           | 6             | 43.0             | <5             |
| ML22-118 (4397113)  |                           | 7             | 42.5             | <5             |
| ML22-119 (4397114)  |                           | 5             | 23.5             | <5             |
| ML22-120 (4397115)  |                           | 3             | 23.0             | 9              |
| ML22-121 (4397116)  |                           | 7             | 44.3             | 34             |
| ML22-122 (4397117)  |                           | 2             | 25.5             | <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:



## Certificate of Analysis

AGAT WORK ORDER: 22T955550

PROJECT:

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

CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN, Jim Renaud

(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)

DATE SAMPLED: Oct 10, 2022

DATE RECEIVED: Oct 11, 2022

DATE REPORTED: Nov 30, 2022

SAMPLE TYPE: Rock

| Sample ID (AGAT ID) | Analyte: | Unit: | RDL:   |
|---------------------|----------|-------|--------|
|                     | Au       | ppm   | 0.001  |
| ML22-101 (4397096)  |          |       | 0.002  |
| ML22-102 (4397097)  |          |       | 0.002  |
| ML22-103 (4397098)  |          |       | 0.028  |
| ML22-104 (4397099)  |          |       | 0.003  |
| ML22-105 (4397100)  |          |       | 0.001  |
| ML22-106 (4397101)  |          |       | <0.001 |
| ML22-107 (4397102)  |          |       | 0.016  |
| ML22-108 (4397103)  |          |       | <0.001 |
| ML22-109 (4397104)  |          |       | <0.001 |
| ML22-110 (4397105)  |          |       | <0.001 |
| ML22-111 (4397106)  |          |       | 0.001  |
| ML22-112 (4397107)  |          |       | <0.001 |
| ML22-113 (4397108)  |          |       | <0.001 |
| ML22-114 (4397109)  |          |       | <0.001 |
| ML22-115 (4397110)  |          |       | <0.001 |
| ML22-116 (4397111)  |          |       | <0.001 |
| ML22-117 (4397112)  |          |       | 0.001  |
| ML22-118 (4397113)  |          |       | 0.003  |
| ML22-119 (4397114)  |          |       | 0.001  |
| ML22-120 (4397115)  |          |       | <0.001 |
| ML22-121 (4397116)  |          |       | <0.001 |
| ML22-122 (4397117)  |          |       | 0.003  |

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:



## Certificate of Analysis

AGAT WORK ORDER: 22T955550

PROJECT:

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

CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN, Jim Renaud

### Sieving - % Passing (Crushing)

DATE SAMPLED: Oct 10, 2022

DATE RECEIVED: Oct 11, 2022

DATE REPORTED: Nov 30, 2022

SAMPLE TYPE: Rock

Analyte: Crush-Pass  
%

Unit: %

Sample ID (AGAT ID) RDL: 0.01

ML22-101 (4397096) 79.36

ML22-121 (4397116) 79.83

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:



## Certificate of Analysis

AGAT WORK ORDER: 22T955550

PROJECT:

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

CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN, Jim Renaud

### Sieving - % Passing (Pulverizing)

DATE SAMPLED: Oct 10, 2022

DATE RECEIVED: Oct 11, 2022

DATE REPORTED: Nov 30, 2022

SAMPLE TYPE: Rock

| Sample ID (AGAT ID) | Analyte: Pul-Pass % | Unit: % | RDL: 0.01 |
|---------------------|---------------------|---------|-----------|
| ML22-101 (4397096)  |                     |         | 88.01     |
| ML22-119 (4397114)  |                     |         | 85.68     |

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:



CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN, Jim Renaud

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

| Parameter | REPLICATE #1 |          |           |       | REPLICATE #2 |          |           |       |  |  |  |  |
|-----------|--------------|----------|-----------|-------|--------------|----------|-----------|-------|--|--|--|--|
|           | Sample ID    | Original | Replicate | RPD   | Sample ID    | Original | Replicate | RPD   |  |  |  |  |
| Ag        | 4397096      | < 0.2    | < 0.2     | 0.0%  | 4397111      | < 0.2    | < 0.2     | 0.0%  |  |  |  |  |
| Al        | 4397096      | 0.225    | 0.196     | 13.8% | 4397111      | 1.67     | 1.67      | 0.0%  |  |  |  |  |
| As        | 4397096      | 67       | 62        | 7.8%  | 4397111      | 4        | < 1       |       |  |  |  |  |
| B         | 4397096      | < 5      | < 5       | 0.0%  | 4397111      | < 5      | < 5       | 0.0%  |  |  |  |  |
| Ba        | 4397096      | 16       | 15        | 6.5%  | 4397111      | 19       | 19        | 0.0%  |  |  |  |  |
| Be        | 4397096      | < 0.5    | < 0.5     | 0.0%  | 4397111      | < 0.5    | < 0.5     | 0.0%  |  |  |  |  |
| Bi        | 4397096      | < 1      | < 1       | 0.0%  | 4397111      | < 1      | < 1       | 0.0%  |  |  |  |  |
| Ca        | 4397096      | 8.33     | 8.88      | 6.4%  | 4397111      | 10.4     | 10.4      | 0.0%  |  |  |  |  |
| Cd        | 4397096      | < 0.5    | < 0.5     | 0.0%  | 4397111      | < 0.5    | < 0.5     | 0.0%  |  |  |  |  |
| Ce        | 4397096      | 2        | 1         |       | 4397111      | 4        | 4         | 0.0%  |  |  |  |  |
| Co        | 4397096      | 47.9     | 47.5      | 0.8%  | 4397111      | 45.4     | 45.1      | 0.7%  |  |  |  |  |
| Cr        | 4397096      | 205      | 193       | 6.0%  | 4397111      | 633      | 639       | 0.9%  |  |  |  |  |
| Cu        | 4397096      | 4.4      | 1.4       |       | 4397111      | 19.9     | 19.5      | 2.0%  |  |  |  |  |
| Fe        | 4397096      | 4.20     | 4.32      | 2.8%  | 4397111      | 6.47     | 6.39      | 1.2%  |  |  |  |  |
| Ga        | 4397096      | 16       | 19        | 17.1% | 4397111      | 24       | 25        | 4.1%  |  |  |  |  |
| Hg        | 4397096      | 4        | 7         |       | 4397111      | 4        | 7         |       |  |  |  |  |
| In        | 4397096      | < 1      | < 1       | 0.0%  | 4397111      | < 1      | < 1       | 0.0%  |  |  |  |  |
| K         | 4397096      | 0.01     | 0.01      | 0.0%  | 4397111      | 0.02     | 0.02      | 0.0%  |  |  |  |  |
| La        | 4397096      | < 1      | < 1       | 0.0%  | 4397111      | < 1      | < 1       | 0.0%  |  |  |  |  |
| Li        | 4397096      | 10       | 9         | 10.5% | 4397111      | 63       | 68        | 7.6%  |  |  |  |  |
| Mg        | 4397096      | 3.56     | 3.72      | 4.4%  | 4397111      | 5.31     | 5.23      | 1.5%  |  |  |  |  |
| Mn        | 4397096      | 2680     | 2720      | 1.5%  | 4397111      | 2220     | 2150      | 3.2%  |  |  |  |  |
| Mo        | 4397096      | < 0.5    | < 0.5     | 0.0%  | 4397111      | < 0.5    | < 0.5     | 0.0%  |  |  |  |  |
| Na        | 4397096      | 0.03     | 0.02      |       | 4397111      | 0.025    | 0.025     | 0.0%  |  |  |  |  |
| Ni        | 4397096      | 371      | 363       | 2.2%  | 4397111      | 357      | 357       | 0.0%  |  |  |  |  |
| P         | 4397096      | 84       | 103       | 20.3% | 4397111      | 165      | 172       | 4.2%  |  |  |  |  |
| Pb        | 4397096      | 6.3      | 1.5       |       | 4397111      | 3.1      | 2.5       | 21.4% |  |  |  |  |
| Rb        | 4397096      | < 10     | < 10      | 0.0%  | 4397111      | < 10     | < 10      | 0.0%  |  |  |  |  |
| S         | 4397096      | 0.08     | 0.08      | 0.0%  | 4397111      | 0.096    | 0.093     | 3.2%  |  |  |  |  |
| Sb        | 4397096      | < 1      | < 1       | 0.0%  | 4397111      | < 1      | < 1       | 0.0%  |  |  |  |  |
| Sc        | 4397096      | 13.2     | 13.8      | 4.4%  | 4397111      | 20.7     | 20.8      | 0.5%  |  |  |  |  |





CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN, Jim Renaud

|    |         |        |        |       |         |        |        |       |  |  |  |  |  |  |  |  |
|----|---------|--------|--------|-------|---------|--------|--------|-------|--|--|--|--|--|--|--|--|
| Se | 4397096 | 11     | < 10   |       | 4397111 | < 10   | < 10   | 0.0%  |  |  |  |  |  |  |  |  |
| Sn | 4397096 | < 5    | < 5    | 0.0%  | 4397111 | < 5    | < 5    | 0.0%  |  |  |  |  |  |  |  |  |
| Sr | 4397096 | 98.4   | 105    | 6.5%  | 4397111 | 57.5   | 59.2   | 2.9%  |  |  |  |  |  |  |  |  |
| Ta | 4397096 | 22     | 23     | 4.4%  | 4397111 | 36     | 29     | 21.5% |  |  |  |  |  |  |  |  |
| Te | 4397096 | < 10   | < 10   | 0.0%  | 4397111 | 13     | 11     | 16.7% |  |  |  |  |  |  |  |  |
| Th | 4397096 | 20     | 18     | 10.5% | 4397111 | 23     | 23     | 0.0%  |  |  |  |  |  |  |  |  |
| Ti | 4397096 | < 0.01 | < 0.01 | 0.0%  | 4397111 | < 0.01 | < 0.01 | 0.0%  |  |  |  |  |  |  |  |  |
| Tl | 4397096 | < 5    | < 5    | 0.0%  | 4397111 | < 5    | < 5    | 0.0%  |  |  |  |  |  |  |  |  |
| U  | 4397096 | 7      | 7      | 0.0%  | 4397111 | 9      | 10     | 10.5% |  |  |  |  |  |  |  |  |
| V  | 4397096 | 26.4   | 25.4   | 3.9%  | 4397111 | 72.0   | 72.1   | 0.1%  |  |  |  |  |  |  |  |  |
| W  | 4397096 | 1      | 2      |       | 4397111 | 2      | 2      | 0.0%  |  |  |  |  |  |  |  |  |
| Y  | 4397096 | 4      | 4      | 0.0%  | 4397111 | 6      | 6      | 0.0%  |  |  |  |  |  |  |  |  |
| Zn | 4397096 | 16.2   | 14.8   | 9.0%  | 4397111 | 54.9   | 53.8   | 2.0%  |  |  |  |  |  |  |  |  |
| Zr | 4397096 | < 5    | < 5    | 0.0%  | 4397111 | < 5    | < 5    | 0.0%  |  |  |  |  |  |  |  |  |

(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)

| Parameter | REPLICATE #1 |          |           |      | REPLICATE #2 |          |           |      | REPLICATE #3 |          |           |      |  |  |  |  |
|-----------|--------------|----------|-----------|------|--------------|----------|-----------|------|--------------|----------|-----------|------|--|--|--|--|
|           | Sample ID    | Original | Replicate | RPD  | Sample ID    | Original | Replicate | RPD  | Sample ID    | Original | Replicate | RPD  |  |  |  |  |
| Au        | 4397096      | 0.002    | 0.002     | 0.0% | 4397111      | < 0.001  | < 0.001   | 0.0% | 4397096      | 0.002    | 0.002     | 0.0% |  |  |  |  |



CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN, Jim Renaud

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

| Parameter | CRM #1 (ref.ME-1206) |        |          |        | CRM #2 (ref.OREASL13) |        |          |        |  |  |  |  |  |  |  |  |
|-----------|----------------------|--------|----------|--------|-----------------------|--------|----------|--------|--|--|--|--|--|--|--|--|
|           | Expect               | Actual | Recovery | Limits | Expect                | Actual | Recovery | Limits |  |  |  |  |  |  |  |  |
| Ag        | 274                  | 290    | 106%     |        |                       |        |          |        |  |  |  |  |  |  |  |  |
| Cu        | 7900                 | 7981   | 101%     |        |                       |        |          |        |  |  |  |  |  |  |  |  |
| Pb        | 8010                 | 7171   | 90%      |        |                       |        |          |        |  |  |  |  |  |  |  |  |
| Zn        | 23800                | 22011  | 92%      |        |                       |        |          |        |  |  |  |  |  |  |  |  |

(202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm)

| Parameter | CRM #1 (ref.OREASL12) |        |          |        | CRM #2 (ref.OREASL13) |        |          |        |  |  |  |  |  |  |  |  |
|-----------|-----------------------|--------|----------|--------|-----------------------|--------|----------|--------|--|--|--|--|--|--|--|--|
|           | Expect                | Actual | Recovery | Limits | Expect                | Actual | Recovery | Limits |  |  |  |  |  |  |  |  |
| Au        | 0.615                 | 0.652  |          |        | 1.29                  | 1.32   |          |        |  |  |  |  |  |  |  |  |



## Method Summary

CLIENT NAME: ROBERT DILLMAN

AGAT WORK ORDER: 22T955550

PROJECT:

ATTENTION TO: ROBERT DILLMAN, Jim Renaud

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              |



## Method Summary

CLIENT NAME: ROBERT DILLMAN

AGAT WORK ORDER: 22T955550

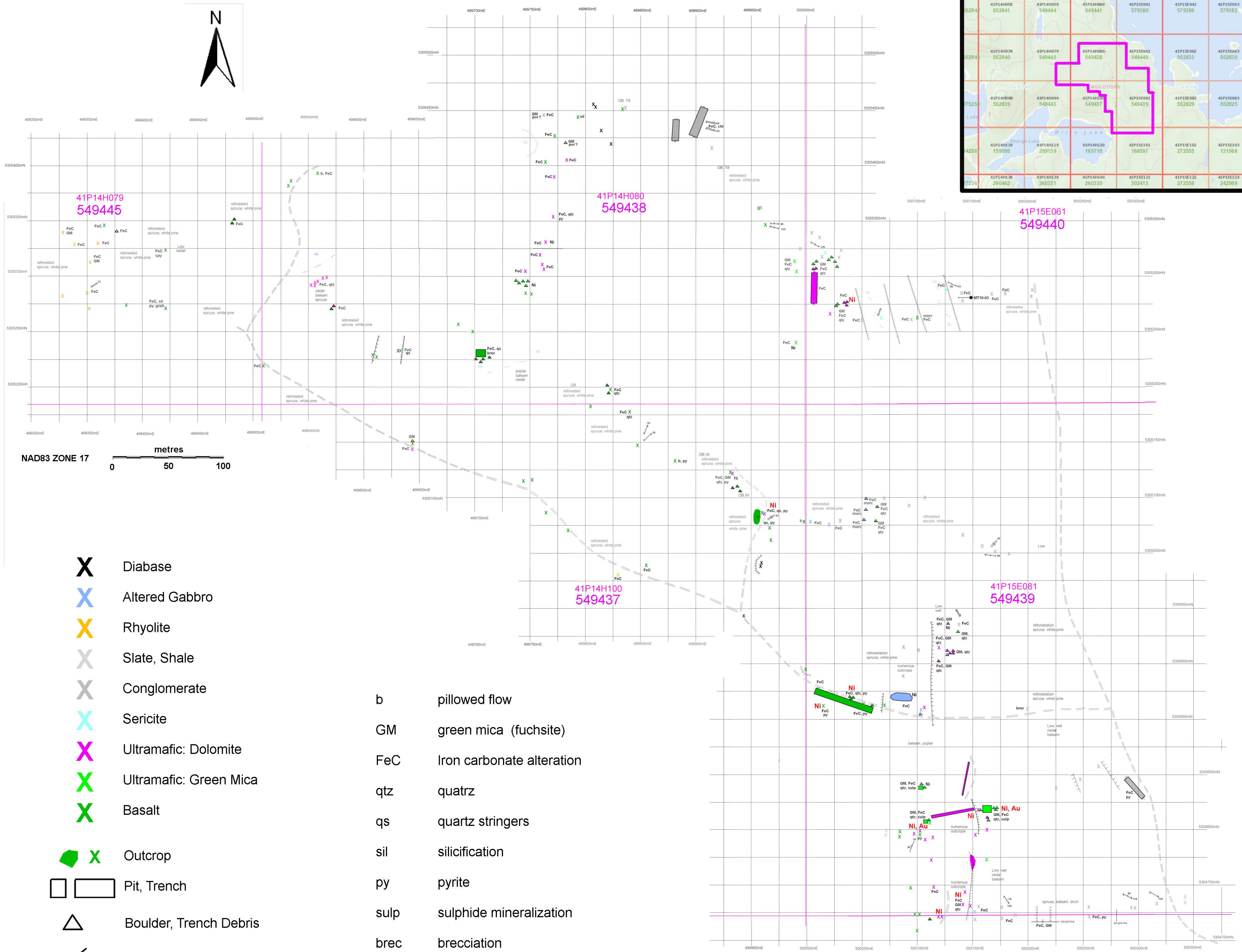
PROJECT:

ATTENTION TO: ROBERT DILLMAN, Jim Renaud

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              |
| Crush-Pass % |                      |                                               | BALANCE              |
| Pul-Pass %   |                      |                                               | BALANCE              |



NAD83 ZONE 17  
0 50 100 metres

- X** Diabase
- X** Altered Gabbro
- X** Rhyolite
- X** Slate, Shale
- X** Conglomerate
- X** Sericite
- X** Ultramafic: Dolomite
- X** Ultramafic: Green Mica
- X** Basalt
- X** Outcrop
- Pit, Trench
- △** Boulder, Trench Debris
- ↗** Strike & Dip
- ↗** Schistosity
- ≡** Quartz Vein
- ≡** Shear Zone
- Ni** Nickel >0.1%
- Ni** Nickel >0.07%
- Au** Gold >1 .0 ppm
- b** pillowed flow
- GM** green mica (fuchsite)
- FeC** Iron carbonate alteration
- qtz** quartz
- qs** quartz stringers
- sil** silicification
- py** pyrite
- sulp** sulphide mineralization
- brec** brecciation
- grap** graphite
- por** porphyry
- ≡** height of land
- ≡** trail
- OB** overburden
- Drill hole location

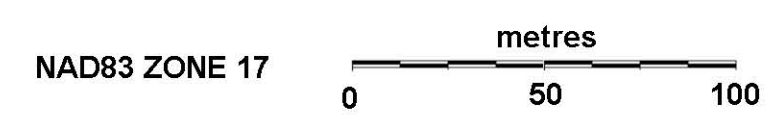
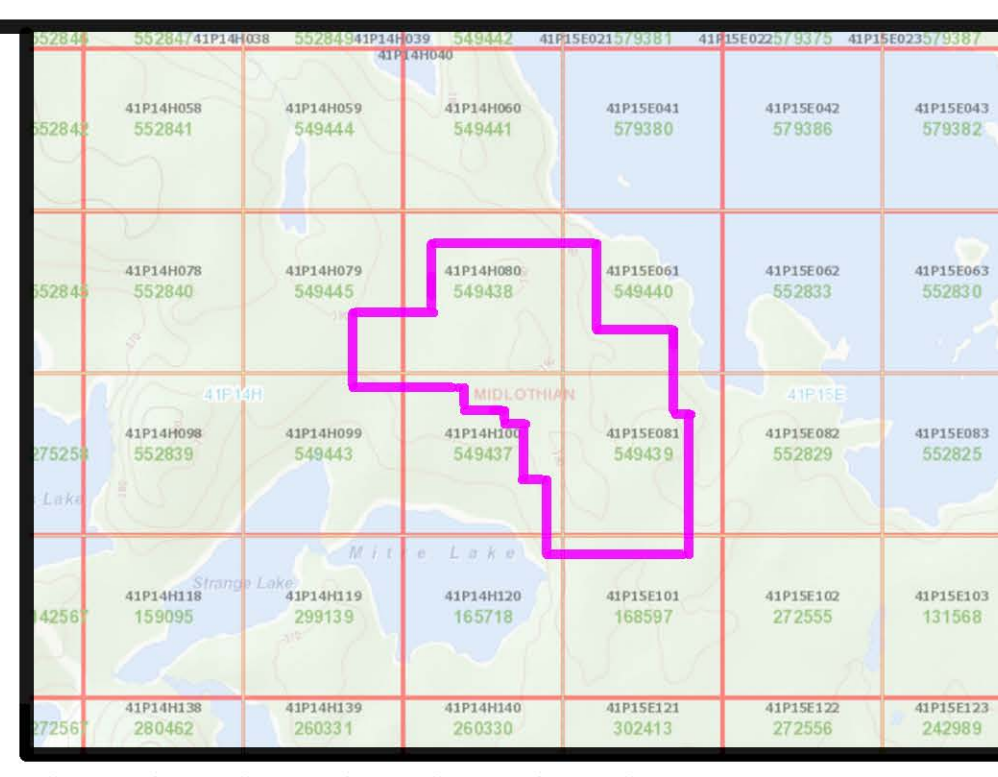
# GEOLOGY MAP

## MIDLOTHIAN LAKE PROPERTY

### GOLDENFIRE MINERALS INC.

#### Midlothian Twp., Ontario

|                     |                  |
|---------------------|------------------|
| Date: December 2022 | Map by: RJD      |
| Survey By: JR, RJD  | Scale: 1 ; 2,500 |



- |           |                        |             |                           |
|-----------|------------------------|-------------|---------------------------|
| <b>X</b>  | Diabase                | <b>b</b>    | pillowed flow             |
| <b>X</b>  | Altered Gabbro         | <b>GM</b>   | green mica (fuchsite)     |
| <b>X</b>  | Rhyolite               | <b>FeC</b>  | Iron carbonate alteration |
| <b>X</b>  | Slate, Shale           | <b>qtz</b>  | quartz                    |
| <b>X</b>  | Conglomerate           | <b>qs</b>   | quartz stringers          |
| <b>X</b>  | Sericite               | <b>sil</b>  | silicification            |
| <b>X</b>  | Ultramafic: Dolomite   | <b>py</b>   | pyrite                    |
| <b>X</b>  | Ultramafic: Green Mica | <b>sulp</b> | sulphide mineralization   |
| <b>X</b>  | Basalt                 | <b>brec</b> | brecciation               |
| <b>X</b>  | Outcrop                | <b>grap</b> | graphite                  |
| <b>X</b>  | Pit, Trench            | <b>por</b>  | porphyry                  |
| <b>X</b>  | Boulder, Trench Debris | <b>sulp</b> | height of land            |
| <b>X</b>  | Strike & Dip           | <b>OB</b>   | overburden                |
| <b>X</b>  | Schistosity            | <b>○</b>    | Drill hole location       |
| <b>X</b>  | Quartz Vein            |             |                           |
| <b>X</b>  | Shear Zone             |             |                           |
| <b>Ni</b> | Nickel >0.1%           |             |                           |
| <b>Ni</b> | Nickel >0.07%          |             |                           |
| <b>Au</b> | Gold >1 .0 ppm         |             |                           |

# NICKEL ASSAYS

## MIDLOTHIAN LAKE PROPERTY

### GOLDENFIRE MINERALS INC.

#### Midlothian Twp., Ontario

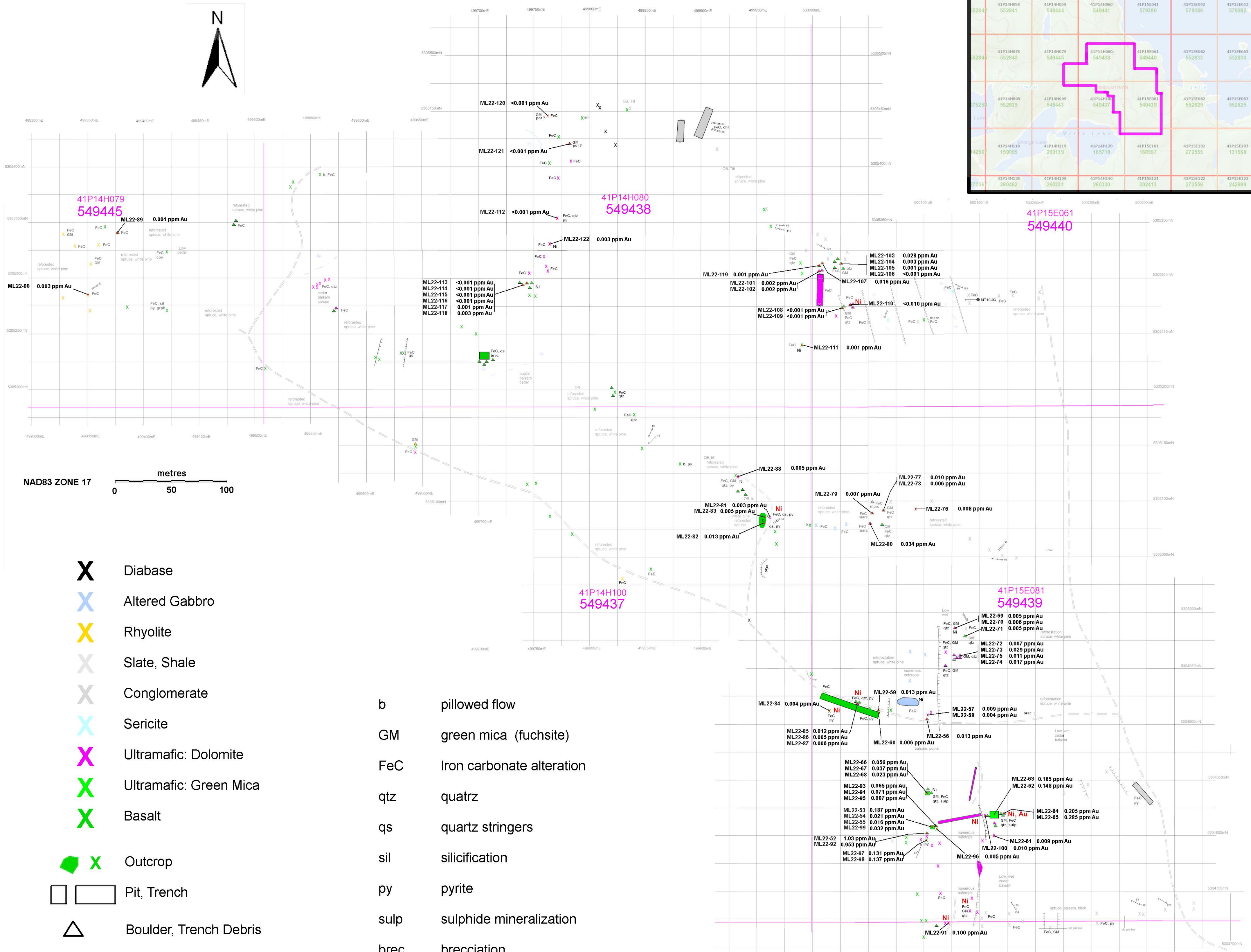
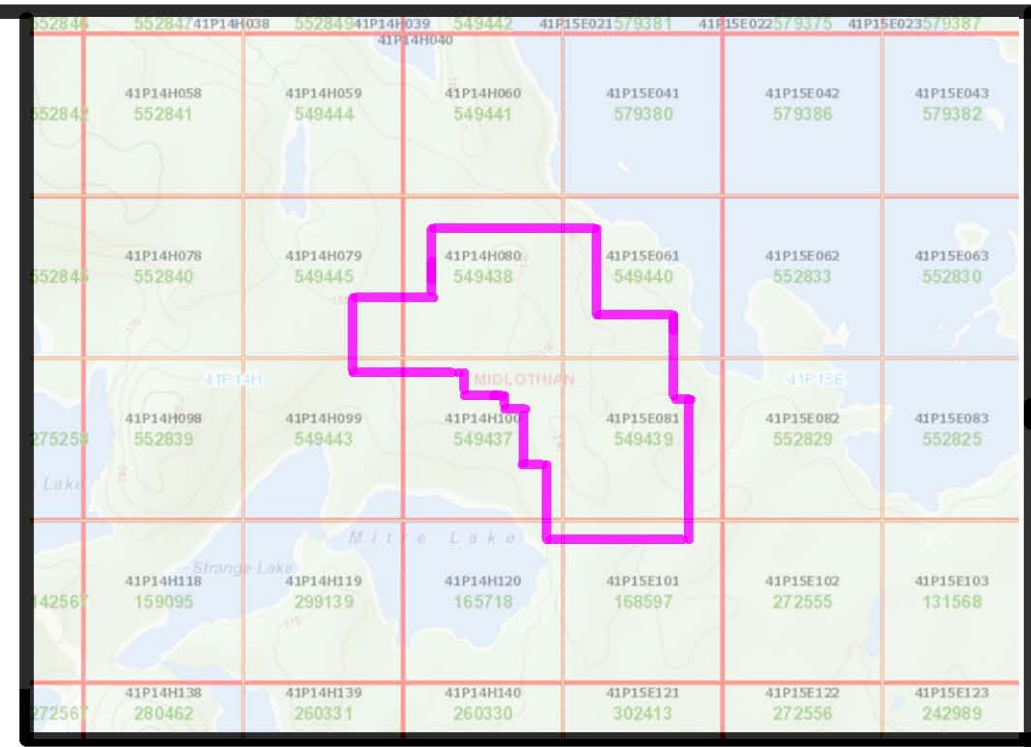
|            |               |
|------------|---------------|
| Date:      | December 2022 |
| Survey By: | JR, RJD       |
| Map by:    | RJD           |
| Scale:     | 1 : 2,500     |



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- brec** brecciation
- grap** graphite
- por** porphyry
- height of land
- trail
- OB** overburden
- Drill hole location

|                                 |               |
|---------------------------------|---------------|
| <b>COBALT ASSAYS</b>            |               |
| <b>MIDLOTHIAN LAKE PROPERTY</b> |               |
| <b>GOLDENFIRE MINERALS INC.</b> |               |
| <b>Midlothian Twp., Ontario</b> |               |
| Date:                           | December 2022 |
| Map by:                         | RJD           |
| Survey By:                      | JR, RJD       |
| Scale:                          | 1 ; 2,500     |



NAD83 ZONE 17  
metres  
0 50 100

- X** Diabase
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- X** Rhyolite
- X** Slate, Shale
- X** Conglomerate
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|                                 |               |
|---------------------------------|---------------|
| <b>GOLD ASSAYS</b>              |               |
| <b>MIDLOTHIAN LAKE PROPERTY</b> |               |
| <b>GOLDENFIRE MINERALS INC.</b> |               |
| <b>Midlothian Twp., Ontario</b> |               |
| Date:                           | December 2022 |
| Map by:                         | RJD           |
| Survey By:                      | JR, RJD       |
| Scale:                          | 1 : 2,500     |