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N.T.S. 41P14, 41P15

REPORT ON A PROSPECTING TRAVRSE MIDLOTHIAN LAKE-MITRE LAKE AREA MIDLOTHIAN LAKE PROPERTY: LARDER LAKE MINING DIVISION MIDLOTHIAN TOWNSHIP, ONTARIO

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> JIM RENAUD, LONDON, ONTARIO

> > January 18, 2022

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Summary

This report summarizes the results of a prospecting traverse in the Midlothian Lake-Mitre Lake Property in Midlothian Township. The traverse was completed over 4 days : September 14, 16, 18 2020 and June 13, 2021 by property owners: Dr. Jim Renaud and author, Robert Dillman. A total of 2.3 km was traversed using a GPS and compass to calculate distance and navigation. The area prospected is situated between Midlothian Lake and Mitre Lake, on claims:

| 549438, cell 41P14H080 | 549439, cell 41P15E081 |
|------------------------|------------------------|
| 549440, cell 41P15E061 | 549441, cell 41P14H060 |

The traverses were initiated to prospect for fuchsite (green mica) and quartz-carbonate alteration noted in historic reports. A total of 38 samples were collected in 2020 and 8 samples were collected in 2021 of quartz-carbonate altered conglomerate and associated metasediments. Best assay obtained during the program was 14.5 ppm Au and was taken in a large pit at the Laroma Prospect.

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.



Claim Logistics and Location of Work

The Midlothian Lake Property consists of 113 mining claim cells. The property covers an approximate area of 2450 hectares (Figure 2).

All claims comprising the Midlothian Lake Property are held by Jim Renaud of London, Ontario and the author, Robert Dillman of Mount Brydges, Ontario.

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

| 549438, cell 41P14H080 | 549439, cell 41P15E081 |
|------------------------|------------------------|
| 549440, cell 41P15E061 | 549441, cell 41P14H060 |

Land Status and Topography

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

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

The property is at a mean elevation ranging between 360 to 400 metres above sea level. Most of the property has gentle relief with rounded hills averaging 20 metres in height. Rugged terrain exists east of Elizabeth Lake where steep hills rise over 40 metres above the lake and close to Midlothian Lake where ridges and knobby outcrops range between 5 to 40 metres in height and follow the outline of the lake. The northeast section of the property where the traverse was done is situated at the base of a large, steep hill rising over 540 metres above sea level.

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

| | | 1 | | TUNTRO | SE | 10 | | | 16 | | MON | POSE | / | - | K (| 1 | 1VL | 10 |
|-----------------------------|-----------------|-----------------|--------|--------|-----------------------|--------------------|----------|----------------|-----------------|---------|-----------------|--------|------------------|-----------------|--------|---------------|----------|------------|
| 581380 61300 | 0 579392 | 570979 | 570980 | 570978 | 1 | 2 3 | 639616 | 639617 | TR | 17 | - | MOSE | Ó | 40 | RC | 2 | 1 | 209 |
| 581379 57308 | 8 Lake | 14) 57 0973 | 570981 | 570982 | 579366 | 579370 | 579360 | 579368 | 41P13 579362 | 579363 | 629970 | 629972 | 629969 41P15L | 629971 | |)) | | |
| 581378 573 08 | 9 569263 | 569269 | 552848 | 552838 | 5 | 57 9365 | 579369 | 579359 | 579372 | 579373 | 579391 | 579389 | 629966 | 629968 | 629967 | Ste | C. | Maher Lake |
| 81375 56926 | 1 2002 | 569268 | 552844 | 552843 | 5793,57 | 579364 | 57 93 58 | 57 9361 | 579371 | 579367 | 579388 | 579390 | 629965 | 6 29 962 | 629959 | 629961 | 63 8853 | 638847 |
| 08060 72939 56926 | \$ 569265 | 569266 Fault | 552846 | 552847 | 552849 | 549442 | 579381 | 579375 | 579387 | 579377 | 579374 | 579378 | 579384 | 629964 | 629963 | 629960 | 63 88 46 | 638852 |
| (-108058 113087 57097 | 5 570971 | 570973 | 552842 | 552841 | 549444 | 549441 | 579380 | 579386 | 579382 | 579376 | 579385 MIDLO | 579383 | 579379 | 538085 | 538089 | 538083 | 53 8084 | 638862 |
| 255176 57097 | 4 570976 41P | 570972 14H | 552845 | 552840 | 549445 | 549438 | 549440 | 552833 | 552830 41P15 | 552831 | 552837 | 552827 | 552832 | 538087 | 538088 | 538082 | 53 8086 | 638851 |
| 267277 17130 36450 30446 | 7 324608 | 257309 | 275258 | 552839 | 549443 | 549437 | 549439 | 552829 | 552825 | 552826 | 552836 | 552834 | 552828 | 552835 | 538092 | 538090 | 53 8091 | 638857 |
| 23262 11997 | 3 334509 4 | 33 4508 | 142567 | 159095 | ^{nge} 299139 | tre Lake 165718 | 168597 | 272555 | 131568 | 213 596 | 108957 | 196438 | 196437 | 196436 | 549425 | 549426 | 53 8094 | 638865 |
| 131439 15394 | 3 206047 9 | 253783 | 272567 | 280462 | 260331 | 260330 | 302413 | 272556 | 242989 | 242988 | 317603 | 298160 | 280080 | 251064 | 549427 | 549428 | 53 8093 | 638856 |
| 65155 27256 | 8 168610 | 153950 | 333331 | 159096 | 120634 | 104002 | 321922 | 133863 | 213616 | 280049 | 242990 | 299620 | 176916 | 280081 | 264552 | ake 244495 | 244494 | 339755 |



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Midlothian Property

Area of Work

Figure 2. Claim Map: Midlothian Lake Property Midlothian Township, Ontario Outcrop exposure in many sections of the property is good. Outcrops are abundant in higher elevations and variable exposures occur in lower elevations. Overburden is generally shallow and consists of glacial till deposited by a glacier initially moving from the northeast to the southwest and shifting northwest to southeast in its final advance.

Regional and Local Geology

The Midlothian Lake Property is located in the Halliday Dome area within the western portion of the Abitibi Subprovince of the Superior Province. The Halliday Dome consists mainly of calcalkaline 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.

Midlothian Township 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.

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

History of Exploration

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

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

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



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

Figure 4. Regional Geology



Figure 5. Geology of Halliday and Midlothian Townships ODM Map 2187



Historic Exploration: Midlothian Lake Property, Mitre Lake Area

| Company | Year | Work Description |
|-------------------------|-------------|--|
| Stairs Exploration & | 1959 – 1964 | 21 DDH |
| Mining | | |
| Rio Tinto Mines | 1963 | 1 DDH |
| Laroma Midlothian | 1964 | 2 DDH |
| Mines Ltd. | 4054 | 2.000 |
| Laroma Wildiothian | 1964 | |
| Timiskaming Nickel | 1968 | 1 DDH |
| Canadian Johns-Manville | 1970 | 3 DDH |
| Co. Ltd. | 2570 | |
| Dennison Mines Ltd. | 1971 | Geological Survey, Geochemical Survey, EM Survey and 2 DDH |
| Dennison Mines Ltd. | 1971 | 2 DDH |
| John Hogan | 1971 | 2 DDH |
| John Hogan | 1971 | 1 DDH |
| International Trust | 1972 | 4 DDH |
| Company | | |
| Larche/Rosseau | 1972 | 8 DDH |
| Allied Mining Corp. | 1972 | 1 DDH |
| Allied Mining Corp. | 1972 | 2 DDH |
| Tojaro Holdings Ltd. | 1973 | Magnetometer Survey |
| | | |
| Stump Mines Ltd. | 1973 | 2 DDH |
| United Asbestos Inc. | 1973 | 3 DDH |
| Hanna Mining Company | 1974 | 6 DDH |
| Hanna Mining Company | 1974 | 6 Holes |
| Northrim Mines Inc. | 1975 | 2 DDH |
| International Trust | 1976 | 3 DDH |
| Company | | |
| Falconbridge Copper | 1978 | 7 DDH |
| Mines Ltd. | | |
| Shield Geophysics Ltd. | 1981 | Airborne EM |
| Regal Goldfields Ltd. | 1983 | 9 DDH |
| Goldteck Mines Ltd. | 1987 – 1988 | Geological Mapping, Mechanical Stripping, Magnetometer and |
| Tom Obradovich | 1996 | Resistivity Surveys and 94 DDH Mechanical Strinning |
| Orozono Bosourcos Inc | 1990 | Prospecting Sampling (Laroma Showing) |
| Orezone Resources Inc. | 2000 | |
| Canadian Arrow Minor | 2000 | |
| Ltd | 2002 | |
| Mustang Minerals | 2004 | Airborne EM |
| Explor Resources | 2008 | Heli-VTEM |
| Explor Resources | 2009 | Ground Mag/IP/VLF |
| Explor Resource | 2011 | DDH (Montrose Property) |
| Exploi Resource | | |

Survey Date and Personnel

Field work for this report was completed over 4 days on September 14, 16, 18, 2020 and June 13 2021. The traverses were completed by: Jim Renaud of London, Ontario and Robert Dillman of Mount Brydges, Ontario.

Survey Logistics

The traverse was initiated to prospect areas between Midlothian Lake and Mitre Lake on the Midlothian Property to find occurrences of green mica- bearing metasediments and quartz-carbonate alteration as reported in previous work. The traverses are plotted at a scale of 1 : 5,000 in Figures 7 to 10. A total of

A compass and a Garmin GPS model GPSMAP 66st were used to navigate. The GPS unit was set to NAD83, Zone 17. Waypoints (WP) for the traverse were periodically recorded and are listed in Table 1. In 2021, the authors utilized a CAT S42 smartphone handheld device equipped with the Discovery MapInfo to supplement the GPS recordings. The CAT data is presented in the Appendix of this report.

A total of 46 rock samples were collected during the traverses: 38 samples were collected between September 14 and September 18, 2020 and 8 samples were collected on the June 13 2021 traverse. All rock samples from the property were delivered to AGAT Laboratory for analyses. The lab is in Mississauga, Ontario. All rock samples were Fire Assayed for gold using a 50 gram charge and finished by Inductively Coupled Plasma – Optical Emission Spectroscopy (ICP-OES) to measure the gold concentration. Two samples were assay for gold using a Total Metallic Assay method. Assay certificates from the lab are appended to this report.

Rock sample locations, descriptions and assay results are also presented in Table 1 and plotted with geology and surface features on the appended map at a scale of 1 : 5,000.



Figure 7. September 14, 2020



Figure 8. September 16, 2020



Figure 9. September 18, 2020



Figure 10. June 13, 2021

Table 1. September 14, 2020 Traverse, Midlothian Lake Property

| Waypoint | Easting | Northing | Claim, Cell | Rock Sample | Assay ppm | Notes |
|----------|---------|----------|----------------------|----------------|--------------|---|
| 0003 | 500259 | 5304943 | 549439, 41P15E081 | | | Trail, basil till, reforested spruce, uncut east birch, balsam |
| 0004 | 500285 | 5304840 | 549439, 41P15E081 | ML-1 | 0.003 | Conglomerate tr. pyrite stripped beside trail |
| 0005 | 500283 | 5304820 | 549439, 41P15E081 | ML-2 | 0.001 | Quartz- carb float south of stripped area |
| 0006 | 500304 | 5304816 | 549439, 41P15E081 | ML-3 | 0.002 | Calcite stringers in conglomerate |
| 0007 | 500150 | 5305400 | 549440, 41P15E061 | | | End of trail, reforested area spruce, rise, outcrops in area, conglomerate |
| 0008 | 500248 | 5305007 | 549439, 41P15E081 | ML-4 | 0.003 | Float near road and outcrop of conglomerate, siliceous , fuchsite, Tr py |
| 0009 | 500079 | 5304912 | 549439, 41P15E081 | | | Diabase, east facing slope, stripped area |
| 0010 | 500104 | 5304904 | 549439, 41P15E081 | ML-5 | 0.002 | Strong green carb close to diabase dike, siliceous, tr. fine py, stripped area. |
| 0011 | 500104 | 5304904 | 549439, 41P15E081 | ML-6 | 0.004 | Diabase contact with conglomerate, qtz carb tr. cpy. Stripped area. |
| 0012 | 500118 | 5304891 | 549439, 41P15E081 | ML-7 | 0.027 | Float 0.15 x 0.10 cm Strong green carb, brecciated, coarse pyrite, tr. Cpy |
| 0013 | 500113 | 5304883 | 549439, 41P15E081 | ML-8 | 0.026 | Siliceous metased 1% pyrite + marcasite |
| 0014 | 500202 | 5304897 | 549439, 41P15E081 | ML-9 | 0.002 | Brecciated + fuchsite, trace pyrite |

Table 1. September 16, 2020 Traverse, Midlothian Lake Property

| Waypoint | Easting | Northing | Claim, Cell | Rock Sample | Assay ppm | Notes | | |
|----------|---------|----------|-------------------|----------------|--------------|---|--|--|
| Bike | 500152 | 5305394 | 549440, 41P15E061 | | | End of trail, WP-07, reforested | | |
| 32 | 500136 | 5305378 | 549440, 41P15E061 | ML-23 | 0.002 | Conglomerate with qtz + FeC tr, pyrite in NW trending | | |
| | | | | | | draw | | |
| 33 | 500185 | 5305399 | 549440, 41P15E061 | ML-24 | 0.002 | Greywacke, tr. Pyrite | | |
| 34 | 500040 | 5305510 | 549440, 41P15E061 | ML-25 | 0.002 | Qtz + FeC Loose piece in root-turn in NW trending draw. | | |
| 35 | 499920 | 5305660 | 549441, 41P15H060 | ML-26 | < 0.001 | Sericite with qtz + fuch 1% pyrite, large boulder, | | |
| | | | | | | reforested, edge of NE facing hill. 1 x 1.5 x 1 m | | |
| 36 | 499923 | 5305645 | 549438, 41P15H080 | ML-27 | < 0.001 | Sericite with qtz + fuch 1% pyrite, large boulder, | | |
| | | | | | | reforested, edge of NE facing hill. 1 x 1 x 0.5 m | | |
| 37 | 499779 | 5305757 | 549441, 41P15H060 | | | Arkose outcrop 10 x5 m | | |
| 38 | 499784 | 5305807 | 549441, 41P15H060 | ML-28 | 0.003 | Loose qtz + FeC on schist str. 132°, 90°. | | |
| 39 | 499801 | 5395840 | 549441, 41P15H060 | ML-29 | 0.001 | Porphyry with qtz + dolomite, tr. py, boulder, lots of pieces | | |
| 40 | 499777 | 5305836 | 549441, 41P15H060 | | | Schist, str. 80 ^o , 90 ^o . Reforested | | |
| 41 | 499801 | 5305843 | 549441, 41P15H060 | ML-30 | < 0.001 | qtz stringers + FeC, trace py | | |
| 42 | 499800 | 5305848 | 549441, 41P15H060 | ML-31 | 0.001 | Qtz, fuch. FeC | | |
| 43 | 499802 | 5305852 | 549441, 41P15H060 | ML-32 | < 0.001 | Qtz, fuch, Fec and tourmaline? | | |
| 44 | 499805 | 5305850 | 549441, 41P15H060 | ML-33 | < 0.001 | Qtz + FeC | | |
| 45 | 499811 | 5305844 | 549441, 41P15H060 | | | Boulder, rhyolite breccia, reforested | | |
| 46 | 499802 | 5305847 | 549441, 41P15H060 | | | Schist, FeC 70 ⁰ , dip 90 ⁰ , arkose | | |
| 47 | 499798 | 5305858 | 549441, 41P15H060 | ML-34 | < 0.001 | Greywacke with fuchsite large boulder | | |
| 48 | 499786 | 5305786 | 549441, 41P15H060 | ML-35 | 0.002 | Oval boulder. Folded felsic vol. with qtz in folds. | | |
| 49 | 499955 | 5305599 | 549438, 41P14H080 | | | Schist , FeC 148 ⁰ , dip 90 ⁰ | | |
| 50 | 500025 | 5305504 | 549440, 41P15H061 | | | Porphyry + arkose. FeC | | |
| Oc1 | 500199 | 5305354 | 549440, 41P15H061 | | | Brecciated schist sealed with chlorite str. 130°, dip 80°E | | |
| Oc2 | 500164 | 5305348 | 549440, 41P15H061 | | | Brecciated schist sealed with chlorite str. 140°, dip 85°E | | |
| Oc3 | 500129 | 5305341 | 549440, 41P15H061 | | | Big outcrop, conglomerate with carb, ML-23. top of hill | | |
| Oc4 | 500127 | 5305406 | 549440, 41P15H061 | | | Schistose, FeC, qtz, 5m wide draw 140° | | |
| Oc5 | 500016 | 5305531 | 549440, 41P15H061 | | | Outcrop, top of hill, arkose FeC | | |

 Table 1.
 September 18, 2020 Traverse, Midlothian Lake Property

| Waypoint | Easting | Northing | Claim, Cell | Rock Sample | Assay ppm | Notes |
|----------|---------|----------|-------------------|----------------|--------------|---|
| 95 | 500290 | 5304728 | 549939, 41P15E081 | ML-37 | 0.005 | On slight rise. Grey quartz with FeC trace pyrite in |
| | | | | | | conglomerate str. 118°, dip 84°E, mixed mature forest |
| 96 | 500286 | 5304726 | 549939, 41P15E081 | ML-38 | 0.007 | On slight rise. Sheared conglomerate with fuch 1-5% py |
| 97 | 500288 | 5304724 | 549939, 41P15E081 | | | North end of conglomerate outcrop, FeC |
| 98 | 500278 | 5304726 | 549939, 41P15E081 | | | N-S gridline, moderate slope facing west |
| 99 | 500252 | 5304728 | 549939, 41P15E081 | | | On slope, sheared sericite with fuchsite Tr. py |
| 100 | 500253 | 5304726 | 549939, 41P15E081 | | | Tr. py in grey quartz + carbonate in quartzite beside schist |
| 102 | 500217 | 5304727 | 549939, 41P15E081 | | | Mylonite, FeC + fuch, top of hill, moderate slope west, E - |
| | | | | | | W gridline L11S, 24+25E |
| 103 | 500188 | 5304726 | 549939, 41P15E081 | | | Draw N – S, 10 m wide, schist east side str. 154°, dip 78°E |
| 104 | 500178 | 5304694 | 549939, 41P15E081 | | | Schist, FeC spheres steep slope E |
| 105 | 500176 | 5304734 | 549939, 41P15E081 | | | Schist, FeC spheres, Steep slope E |
| 106 | 500172 | 5304737 | 549939, 41P15E081 | | | Quartz boulder, steep slope E |
| 107 | 500172 | 5304729 | 549939, 41P15E081 | | | Qtz dolomite, steep hill E |
| 108 | 500160 | 5304729 | 549939, 41P15E081 | | | Grey quartz + fuchsite, boulder, steep slope E |
| 109 | 500160 | 5304727 | 549939, 41P15E081 | | | Grey quartz + fuchsite, boulder, steep slope E |
| 110 | 500161 | 5304733 | 549939, 41P15E081 | ML-39 | 0.018 | Moderate green carb with grey quartz outcrop, steep slope E, boulder. |
| 111 | 500169 | 5304748 | 549939, 41P15E081 | ML-40 | 0.002 | Conglomerate with fuchsite pebbles, Tr. pyrite, boulder in draw |
| 112 | 500169 | 5304748 | 549939, 41P15E081 | ML-41 | 0.006 | Sheared mafic with 5% pyrite, qtz & carbonate, big boulder |
| 113 | 500161 | 5304770 | 549939, 41P15E081 | ML-42 | 0.005 | Quartz + FeC boulders, side of hill |
| 114 | 500165 | 5304777 | 549939, 41P15E081 | ML-43 | 0.377 | 1.4 cm wide pyrite seam in carb-sheared conglomerate boulder, top of hill |
| 115 | 500162 | 5304770 | 549939, 41P15E081 | ML-44 | 0.010 | 5cm wide atz-FeC vein in green carbonate tr. pv |
| 117 | 500156 | 5304792 | 549939, 41P15E081 | | | Conglomerate. |
| 118 | 500155 | 5304791 | 549939, 41P15E081 | | | E – W grid line |
| 119 | 500148 | 5304865 | 549939, 41P15E081 | | | North end of old trench, old road |
| 120 | 500122 | 5304848 | 549939, 41P15E081 | | | FeC in sandstone, old stripped area |
| 121 | 500141 | 5304830 | 549939, 41P15E081 | | | South end of old trench, old road FeC sandstone with white guartz |
| 122 | 500132 | 5304818 | 549939, 41P15E081 | | | Small trench, 5m E - W |

| Waypoint | Easting | Northing | Claim, Cell | Rock Sample | Assay ppm | Notes |
|----------|---------|----------|-------------------|----------------|------------------------------|---|
| 123 | 500111 | 5304802 | 549939, 41P15E081 | | | West end of trench 4 x4 x 2.5 m |
| 124 | 500111 | 5304803 | 549939, 41P15E081 | ML-45 | 0.074 | Quartz + strong green carbonate, 1% pyrite in pit |
| 125 | 500111 | 5304803 | 549939, 41P15E081 | ML-46 | 0.108 | Strong green carbonate with qtz stringers with 5% 2cm blebs of pyrite , loose beside pit |
| 126 | 500113 | 5304803 | 549939, 41P15E081 | ML-47 | 0.527 FA 0.469 g/t TMA | White to pink Qtz – carb – fuch stringers, Tr, - 2% cubic pyrite, loose beside pit. Fire Assay & Total Metallics Assay. |
| 127 | 500167 | 5304821 | 549939, 41P15E081 | ML-48 | 0.074 | 5 cm quartz stringers + carb in green carbonate, E pit at end of long trench. South face 4 x 4 x 4, on contact green carb west, quartzite? east |
| 128 | 500167 | 5304820 | 549939, 41P15E081 | ML-49 | 0.072 | Qtz + fuch + black tourmaline 1-5% fine pyrite, loose by pit E side |
| 129 | 500165 | 5304821 | 549939, 41P15E081 | ML-50 | >10.0 FA 14.5 g/t TMA | Quartz stringers/ veins in green carbonate, NW corner bottom of pit, chips 1m. Fire Assay & Total Metallic Assay. |
| 130 | 500163 | 5304822 | 549939, 41P15E081 | ML-51 | 0.104 | Grab at top W side of big pit, quartz + FeC + white quartz in green carb wallrock, 1-5% py, tr. cpy. |
| 131 | 500190 | 5304828 | 549939, 41P15E081 | | | Gentle slope east from pit Loose schist, spruce, cedar, overburden into low |
| 132 | 500226 | 5304836 | 549939, 41P15E081 | | | Conglomerate outcrop, base of west facing hill. Qtz-fuch float |
| 133 | 500245 | 5304842 | 549939, 41P15E081 | | | Top of hill, conglomerate. |
| 134 | 500265 | 5304858 | 549939, 41P15E081 | | | Top of hill, steep east facing hill. Conglomerate FeC outcrop |
| 135 | 500272 | 5304874 | 549939, 41P15E081 | | | Outcrop, conglomerate |
| 136 | 500275 | 5304873 | 549939, 41P15E081 | | | Road |
| 137 | 500315 | 5304732 | 549939, 41P15E081 | | | Conglomerate str 300 ⁰ , crossed by carb stringers |
| 138 | 500330 | 5304727 | 549939, 41P15E081 | | | Road |
| 139 | 500334 | 5304737 | 549939, 41P15E081 | | | Argillite outcrop, no alteration |

Table 1. September 18, 2020 Traverse, Midlothian Lake Property con't

Table 1.

June 13, 2021 Traverse, Midlothian Lake Property

| Waypoint | Easting | Northing | Claim, Cell | Rock Sample | Assay ppm | Notes |
|----------|---------|----------|-------------------|----------------|--------------|---|
| MID 1 | 500103 | 5304840 | 549939, 41P15E081 | MID-1 | 0.048 | Strong green carbonate, small pit east side of green carbonate unit. White to pink qtz stringers at various orientations. Trace pyrite in wallrock. |
| MID 2 | 500108 | 5304837 | 549939, 41P15E081 | MID-2 | 0.013 | Loose by small pit. Strong green carbonate. Same as MID 1, two generation grey & white quartz stringers, Tr-3% disseminated cubic py in wallrock |
| MID 3 | 500160 | 5304823 | 549939, 41P15E081 | MID-3 | 3.65 | Strong green carbonate with grey and white quartz stringers. Trace fine pyrite in wallrock. Resample of ML-50 |
| MID 4 | 500160 | 5304823 | 549939, 41P15E081 | MID-4 | 0.077 | Moderate green carbonate, same as MID 3, 50:50 grey & white qtz and wallrock 1-5% fine cubic py in wallrock. |
| MID 5 | 500156 | 5304825 | 549939, 41P15E081 | MID-5 | 0.005 | Weak green carbonate, dolomite &light brown altered wallrock to green carbonate. Grey quartz, trace epidote, no sulphides |
| MID 6 | 500163 | 5304823 | 549939, 41P15E081 | MID-6 | 0.446 | strong green carbonate with grey – white qtz stringers 3 cm wide 1-5% fine pyrite in wallrock and along string contacts. |
| MID 7 | 500161 | 5304805 | 549939, 41P15E081 | MID-7 | 0.013 | Strong green carbonate with trace – 3% fine pyrite & several generations of quartz, trace bornite with malachite. Loose in pit. |
| MID 8 | 500155 | 5304808 | 549939, 41P15E081 | MID-8 | 0.034 | Moderate green carbonate + 50% quartz, 1-5% fine disseminated pyrite in wallrock. Loose, bottom of pit. |
| MID 9 | 500161 | 5304805 | 549939, 41P15E081 | MID-9 | 0.003 | Strong green carbonate with trace – 3% fine pyrite & several generations of quartz, trace bornite with malachite. Collection of material from bottom of pit |
| 176 | 500105 | 5304836 | 549939, 41P15E081 | | | Strong green carbonate with quartz |

Survey Results

In the assay results from the rock samples collected in September 2020, gold mineral mineralization was detected in 12 samples with values ranging >0.01 ppm Au to 14.5 ppm (14.5 g/t) Au. All the samples were collected in the vicinity of the Laroma Prospect. Eleven of the samples consisted of strong green carbonate alteration/ fuchsite with white and grey quartz stringers and traces of very minor fine to rarely coarse pyrite. Due to the possibility of coarse gold mineralization, two samples required re-assaying using a Total Metallics Assay method to duplicate high gold concentrations determined by Fire Assay. On June 13, 2021 eight additional samples were collected from the Laroma Prospect during a brief site visit. The best assay of 3.65 ppm Au was collected from a large pit on the east side of the fuchsite unit where an assay of 14.5 ppm Au was obtained in September 2020.

A sample from a boulder of carbonated and sheared Timiskaming conglomerate assaying 0.377 ppm Au was found on outcrops of fuchsite of the Laroma Prospect. Although Timiskaming conglomerates observed elsewhere are frequently highly altered and sheared, assays for gold have been low ranging <0.001 to <0.10 ppm Au.

Discussion of Results

The Timiskaming sedimentary rocks consist predominantly of polymictic paraconglomerate units are comprised of 40-60% angular to sub-rounded Cr-green bearing fragments and fragments of other local lithologies measuring several centimeters along their long-axis. These conglomerates are intercalated with arkose and argillite metasediments. This pebble conglomerates are buff to colored pebbles and fragments with a matrix of similar color. The fragments are comprised of metavolcanic (possible andesite-basalt) and metasediment in various stages of alteration and chert. The Cr-green fragments vividly stand out among the rest and are confirmed to be Cr-bearing fuchsite fragments (See photos of Sample 046 and 047, appendix). The conglomerate is generally matrix supported. The matrix to the conglomerate is characterized by fine-grained constituents of arkose-argillite including alteration minerals, chlorite and epidote. Quartz veining is also very common in the conglomerate containing sulphides, dominantly pyrite with occasional chalcopyrite.

Adjacent to the conglomerate unit is quartz-carbonate altered metasedimentary rocks (see Appendix: photo of structural observation 8). More prospecting and trenching is required to establish the true contact between these units. The samples collected are a mixture of altered metasediments including greywacke, argillite, and polymictic conglomerates. Samples are defined by a strong ocherous red/orange rusty alteration defined by guartz-ankerite. Some samples have a weak fabric (example: ML-1, ML-7, ML-9) while others have a much more define fabric and schistosity (example: ML-5, ML-23, ML-38). Two large boulders were found during the traverse displaying evidence of quartz-sericite alteration with Cr-green fuchsite and a disseminated pyrite (samples ML-26, ML-27). Samples ML-39, ML-46, ML-50, MID-1, MID-3, MID-4, MID-6, MID-7, MID-8, and MID-9 all show evidence of strong Cr-green fuchsite development cut by anastomosing and cross-cutting veinlets of quartz. The presence of Cr-bearing fuchsite mica suggests that the precursor to this suite of rocks was likely a Cr-bearing ultramafic rock (i.e. komatiite or peridotite). The significance of fuchsite in highly strained rocks is significant as Cr is an immobile element and is therefore unlikely to have moved far from its original source. Importantly, Cr-rich micas are know to be associated with some Archean-aged gold deposits such as Dome, Kerr-Addison, and Aquarious Mines where Cr has been derived from the host ultramafics. Late metamorphic fluids are also known to remobilize Cr from ultramafic rocks like at the Kidd Creek VMS deposit in Timmins, Ontario where Cr was deposited in the contact rhyolite as fuchsite (Schandl, 1989; Schandl and Wicks, 1993; Smith et al., 1993).

Assay values range from 0.001ppm Au up to 14.5ppm Au. Although all rock samples display some degree of quartz-carbonate alteration, the highest grade Au samples appear to correlate to samples with a strong Cr-fuchsite component (sample ML-50). Further work is required in the area to delineate structures including faults and shears. A ground magnetometer and VLF survey is recommended.

Conclusions and Recommendations

Further prospecting and mapping are required in this area around Midlothian Lake and Mitre Lake to establish the mineral potential of the area. An electron microprobe investigation is also warranted to characterize the carbonate and mica species in the various rocks samples in an effort to link chemistry to gold and possible base metal associations.

An estimated cost for the survey is \$27,500. A budget for the proposed work is:

| Geological Mapping & Prospecting | \$13,000 |
|------------------------------------|----------|
| Rock Assays | \$3000 |
| Ground Magnetics and VLF | \$3500 |
| Electron Microprobe Investigations | |
| | \$27,500 |

Respectfully submitted by,



Dr. Jim Renaud P.Geo.

and,

Robert James Dillman Arjadee Prospecting

P.Geo



Robert Dillman B.Sc. P.Geo. January 16, 2022

References

- Baker, C.J., Goodwin, T. and Tykajlo, R., 1997. Report On The 1995-1996 Geological, Geochemical and Geophysical Exploration At Doon Property (Project 4057), Matachewan Area (NTS 41P/15). Unpublished assessment report: 41P15NW0014.
- Berger, B.R., Prefontaine, S. and McIlraith, S.J., 2006. Digital GIS Compilation: Bedrock Geology of Powell, Bannockburn and Montrose Townships; Ontario Geological Survey; Miscellaneous Release--Data 207.
- Bright, E. G. 1970. Geology of Halliday and Midlothian Townships. Geological Report 79. Ontario Department of Mines.

Marshal, H.I. 1947. Preliminary report on the geology of Midlothian Township, District of Timiskaming.

Report P.R 1947-1. Ontario Department of Mines.

- Préfontaine, S. and Robichaud, L. 2013. Precambrian geology of Midlothian Township; Ontario Geological Survey, Preliminary Map P.3772, scale 1:20 000.
- Prefontaine, S., 2011. Geology and mineral potential of Midlothian Township, Halliday Dome, Abitibi greenstone belt; in Summary of Filed work and other activities 2011, Ontario Geological Survey, Open File Report 6270, p 4-1 to 4-12.
- Rattew, A. R., 1967. Airborne Geophysical Survey of Portions of Midlothian and Doon Townships, Ontario. On Behalf of B. W. Lang. Survey by: Canadian Aero Mineral Surveys Limited. Unpublished assessment report: 41P15NW005
- Schandl, E.S., 1989. Talc-carbonate alteration of ultramafic rocks in the Kidd Creek Volcanic Complex, the Slade-Forbes and the Munro Asbestos deposits in the Abitibi Greenstone Belt, Timmins, Ontario. Unpublished PhD Thesis, University of Toronto, 1989, 255p.
- Schandl, E.S. and Wicks, F.J., 1993. Metasomatic alteration of ultramafic rocks and the rhyolite at the Kidd Volcanic Complex: an emphasis on carbonate alteration. Economic Geology, Special Issue: Abitibi Ore Deposits in a Modern Context, v. 88, p. 1615-1635.
- Smith, P.E., Schandl, E.S., and York, D., 1993. Timing of metasomatic alteration of the Kidd Creek massive sulphide deposit, Ontario, using 40Ar 739Ar laser dating of single crystals of fuchsite. Economic Geology, Special Issue: Abitibi Ore Deposits in a Modern Context, v. 88, p.1636 -1645.

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CERIFICATE of AUTHOR

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

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

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

- 2. I graduated in 1991 with a Bachelor of Science Degree in Geology from the University of Western Ontario.
- 3. I am an active member of:

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

- 4. I have been a licensed Prospector in Ontario since 1984.
- 5. I have worked continuously as a Professional Geologist for 30 years.
- 6. Unless stated otherwise, I am responsible for the preparation of all sections of the Assessment Report titled:

REPORT ON A PROSPECTING TRAVRSE MIDLOTHIAN LAKE-MITRE LAKE AREA MIDLOTHIAN LAKE PROPERTY: LARDER LAKE MINING DIVISION MIDLOTHIAN TOWNSHIP, ONTARIO

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

Dated this 16th day of January, 2022

Robert James Dillman Arjadee Prospecting

P.Geo



Dr. Jim Renaud P.Geo, PhD. Renaud Geological Consulting Ltd. 21272 Denfield Rd, London, Ontario, N6H-5L2 519-473-3766 rgcltd@execulink.com

CERIFICATE of AUTHOR

I, Jim Renaud, Professional Geologist, do certify that:

1. I am the **President** and the holder of a **Certificate of Authorization** for: Renaud Geological Consulting Ltd., 21272 Denfield Rd London, Ontario, Canada N6H-5L2

2. That I have the degree of Bachelor of Science (Chemistry and Geology), 1999, from Western University; the degree of Honors Standing in Geology, 2000, from Western University; Masters of Science (Economic Geology), 2003, from Western University; and Doctor of Philosophy in Geology, 2014, from Western University; University;

3. I am an active member of:

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

4. I have been a licensed Prospector in Ontario since 2000.

5. I have worked continuously as a Geologist for 19 years.

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

REPORT ON A PROSPECTING TRAVRSE MIDLOTHIAN LAKE-MITRE LAKE AREA MIDLOTHIAN LAKE PROPERTY: LARDER LAKE MINING DIVISION MIDLOTHIAN TOWNSHIP, ONTARIO

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

Dated this 16th day of January 2022







Rock Samples



ML-7 0.027 ppm Au

September 14, 2020 Traverse

ML-9 0.002 ppm Au



ML-32 <0.001 ppm Au

ML-33 <0.001 ppm Au

ML-34 <0.001 ppm Au

September 14, 2020 Traverse continued



ML-45 0.074 ppm Au September 14, 2020 Traverse continued

ML-46 0.108 ppm Au

ML-47 0.527 ppm Au







ML-50 14.5 ppm Au



ML-51 0.104 ppm Au September 14, 2020 Traverse continued



MID-7 0.013 ppm Au June 13, 2021 Traverse

ML-49 0.072 ppm Au



The following pages contain maps, tables, and images collected using the CAT S42 handheld device during the 2021 prospecting traverse.



Table of Rock Samples and Structural Observations collected with the CAT S42 during the 2021 traverse.

| Rock Sa | mples | | | | | | | | | | | | |
|---------|----------|---------|-----------|----------|----------|--------------|---------|-----------------|-------------|-----------------|----------------|---|--|
| | | | | | | | | | | | | | |
| Sample | IO UTM_X | UTM_Y | Elevation | GPS_X | GPS_Y | Date | Weather | SampleType | Colour | Lithology | terationTy | Photo | Description |
| Mid-1 | 500103.1 | 5304840 | 390.4 | -80.9986 | 47.89689 | June 13 2021 | Clear | TalusHighGrade | Green | Metasediment(s) | Carbonate | _Ontario\WorkingPlans\DiscoverField\Photos\1 | green carbonate Timiskaming metaseds |
| Mid-2 | 500117 | 5304838 | 375.3 | -80.9984 | 47.89687 | June 13 2021 | Clear | TrenchHighGrade | Green | | Carbonate | _Ontario\WorkingPlans\DiscoverField\Photos\1 | green carbonate Timiskaming metaseds with silvery pyrite |
| Mid-3 | 500158.8 | 5304810 | 386.1 | -80.9979 | 47.89662 | June 13 2021 | Clear | TrenchHighGrade | RustyOrange | Metasediment(s) | Carbonate | | |
| Mid-4 | 500153.4 | 5304821 | 385.3 | -80.9979 | 47.89672 | June 13 2021 | Clear | | RustyOrange | Metasediment(s) | | | carb altered Timiskaming metaseds |
| Mid-5 | 500155.8 | 5304825 | 383.5 | -80.9979 | 47.89676 | June 13 2021 | Clear | TrenchHighGrade | Green | Metasediment(s) | Silicification | 1 | sugary sediment |
| Mid-6 | 500163.8 | 5304823 | 394.2 | -80.9978 | 47.89674 | June 13 2021 | Clear | | | | | | silvery pyrite in green carbonate |
| Mid-7 | 500160.9 | 5304805 | 380 | -80.9978 | 47.89658 | June 13 2021 | Clear | TrenchHighGrade | Green | | Carbonate | _Ontario\WorkingPlans\DiscoverField\Photos\1 | green carb with late qtz veins |
| Mid-8 | 500154.9 | 5304808 | 408.1 | -80.9979 | 47.8966 | June 13 2021 | Clear | TrenchHighGrade | Green | Metasediment(s) | Carbonate | | silvery pyriteheavy |

| Structural | Observatio | on | | | | | | | | |
|------------|------------|------|-----------|-----------|--------|-----|-------|---------|----------|-----------|
| | | | | | | | | | | |
| | | | | | | | | | | |
| KeyID | GPSX | GPSY | Elevation | Structure | Strike | Dip | Photo | Comment | UTM_EAST | UTM_NORTH |



Sample Mid-1



Sample Mid-2



Sample Mid-7



Structural Observation #8: contact between carbonate and sugary sediment on right. Green carbonate to the left.















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

CLIENT NAME: ROBERT DILLMAN 8901 REILY DRIVE MOUNT BRYDGES, ON NOL 1W0 519-264-9278 ATTENTION TO: ROBERT DILLMAN PROJECT: Midlothian AGAT WORK ORDER: 20T658893 SOLID ANALYSIS REVIEWED BY: Sherin Moussa, Senior Technician DATE REPORTED: Nov 04, 2020 PAGES (INCLUDING COVER): 11

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

*NOTES

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

| 🎒 agat | Laboratories |
|--------|--------------|
|--------|--------------|

AGAT WORK ORDER: 20T658893 PROJECT: Midlothian 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

| | | | (200-) Sample Lo | ogin Weight | |
|---------------------|-------------|---------------------------|-----------------------------|-----------------------------|-------------------|
| DATE SAMPLED: OG | ct 01, 2020 | | DATE RECEIVED: Oct 02, 2020 | DATE REPORTED: Nov 04, 2020 | SAMPLE TYPE: Rock |
| | Analyte: | Sample Login Weight | | | |
| | Unit: | kg | | | |
| Sample ID (AGAT ID) | RDL: | 0.01 | | | |
| ML-1 (1510264) | | 1.8878 | | | |
| ML-2 (1510265) | | 1.6703 | | | |
| ML-3 (1510266) | | 2.9444 | | | |
| ML-4 (1510267) | | 2.9539 | | | |
| ML-5 (1510268) | | 1.5933 | | | |
| ML-6 (1510269) | | 1.8404 | | | |
| ML-7 (1510270) | | 1.9479 | | | |
| ML-8 (1510271) | | 1.9917 | | | |
| ML-9 (1510272) | | 2.6681 | | | |
| ML-10 (1510273) | | 0.5319 | | | |
| ML-11 (1510274) | | 0.4137 | | | |
| ML-12 (1510275) | | 1.1501 | | | |
| ML-13 (1510276) | | 1.5793 | | | |
| ML-14 (1510277) | | 2.0276 | | | |
| ML-15 (1510278) | | 2.0442 | | | |
| ML-16 (1510279) | | 2.5128 | | | |
| ML-17 (1510280) | | 2.2099 | | | |
| ML-18 (1510281) | | 1.8629 | | | |
| ML-19 (1510282) | | 2.0634 | | | |
| ML-20 (1510283) | | 1.5745 | | | |
| ML-21 (1510284) | | 1.8476 | | | |
| ML-22 (1510285) | | 0.4298 | | | |
| ML-23 (1510286) | | 1.5969 | | | |
| ML-24 (1510287) | | 1.1463 | | | |
| ML-25 (1510288) | | 1.9677 | | | |
| ML-26 (1510289) | | 2.0501 | | | |
| ML-27 (1510290) | | 2.0415 | | | |
| ML-28 (1510291) | | 0.5661 | | | |
| ML-29 (1510292) | | 2.2187 | | | |
| ML-30 (1510293) | | 1.0119 | | | |
| ML-31 (1510294) | | 1.1802 | | | |

Certified By:

-Sherin Houssed

AGAT CERTIFICATE OF ANALYSIS (V1)

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AGAT WORK ORDER: 20T658893

PROJECT: Midlothian

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

CLIENT NAME: ROBERT DILLMAN

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ATTENTION TO: ROBERT DILLMAN

| | (200-) Sample Login Weight | | | | | | | | | | | |
|---------------------|----------------------------|---------------------------|-----------------------------|-----------------------------|-------------------|--|--|--|--|--|--|--|
| DATE SAMPLED: OC | t 01, 2020 | | DATE RECEIVED: Oct 02, 2020 | DATE REPORTED: Nov 04, 2020 | SAMPLE TYPE: Rock | | | | | | | |
| | Analyte: | Sample Login Weight | | | | | | | | | | |
| | Unit: | kg | | | | | | | | | | |
| Sample ID (AGAT ID) | RDL: | 0.01 | | | | | | | | | | |
| ML-32 (1510295) | | 2.4386 | | | | | | | | | | |
| ML-33 (1510296) | | 1.1106 | | | | | | | | | | |
| ML-34 (1510297) | | 0.6618 | | | | | | | | | | |
| ML-35 (1510298) | | 1.3149 | | | | | | | | | | |
| ML-36 (1510299) | | 0.6789 | | | | | | | | | | |
| ML-37 (1510300) | | 1.5537 | | | | | | | | | | |
| ML-38 (1510301) | | 2.2511 | | | | | | | | | | |
| ML-39 (1510302) | | 1.1628 | | | | | | | | | | |
| ML-40 (1510303) | | 2.3481 | | | | | | | | | | |
| ML-41 (1510304) | | 2.6463 | | | | | | | | | | |
| ML-42 (1510305) | | 2.4423 | | | | | | | | | | |
| ML-43 (1510306) | | 0.9147 | | | | | | | | | | |
| ML-44 (1510307) | | 2.7605 | | | | | | | | | | |
| ML-45 (1510308) | | 1.6197 | | | | | | | | | | |
| ML-46 (1510309) | | 1.0768 | | | | | | | | | | |
| ML-47 (1510310) | | 1.8423 | | | | | | | | | | |
| ML-48 (1510311) | | 0.6544 | | | | | | | | | | |
| ML-49 (1510312) | | 1.7742 | | | | | | | | | | |
| ML-50 (1510313) | | 1.2844 | | | | | | | | | | |
| ML-51 (1510314) | | 2.0646 | | | | | | | | | | |
| ML-52 (1510315) | | 1.7463 | | | | | | | | | | |

Comments: RDL - Reported Detection Limit Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

Sherin Housse



AGAT WORK ORDER: 20T658893 PROJECT: Midlothian

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

| | (202-121) Fire Assay - Metallic Gold - ICP Finish (1000g) | | | | | | | | | | | | | |
|------------------------------------|---|--------|----------------------|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|----------------------------|----------------------------|-------------------|--|--|
| DATE SAMPLED: OC | xt 01, 2020 | | | DATE RECEIVED: Oct 02, 2020 | | | | DATE REPORTED: Nov 04, 2020 | | | | SAMPLE TYPE: Rock | | |
| Sample Analyte: Login Weight | | | Sample Weight (+) | Sample Weight (-) | Au Assay (+) Fraction 1 | Au Assay (+) Fraction 2 | Au Assay (+) Fraction 3 | Au Assay (+) Fraction 4 | Au Assay (+) Fraction 5 | Au Assay (-) Fraction 1 | Au Assay (-) Fraction 2 | Total Au | | |
| | Unit: | g | g | g | ppm | ppm | ppm | ppm | ppm | ppm | ppm | g/t | | |
| Sample ID (AGAT ID) | RDL: | | | | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | | |
| ML-47 (1510310) | | 1000 | 100 | 896 | 0.183 | 0.256 | - | - | - | 0.493 | 0.560 | 0.496 | | |
| ML-50 (1510313) | | 896.70 | 89.9 | 805 | 89.4 | 134 | - | - | - | 3.19 | 4.04 | 14.5 | | |

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

Sherin Housso

AGAT CERTIFICATE OF ANALYSIS (V1)

Results relate only to the items tested. Results apply to samples as received.

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| CLIENT NAME: ROP | | ľ | Laboratories | AGAT WORK | I te of Analysis ORDER: 20T658893 dlothian ATTENTION TO: ROBERT | 5623 McADAM ROAD MISSISSAUGA, ONTARIO CANADA L4Z 1N9 TEL (905)501-9998 FAX (905)501-0589 http://www.agatlabs.com | | | | | | |
|------------------------------------|-----------------------------|-------------------|----------------------|---|---|---|--|--|--|--|--|--|
| | | | (202-552) Fire Assay | / - Trace Au, ICP-OES finish (50g charge) (ppm) | | | | | | | | |
| DATE SAMPLED: Oct | 01, 2020 | | DATE RECEIVED: | Oct 02, 2020 | DATE REPORTED: Nov 04, 2020 | SAMPLE TYPE: Rock | | | | | | |
| Sample ID (AGAT ID) | Analyte: Unit: RDL: 0 | Au ppm .001 | | | | | | | | | | |
| ML-1 (1510264) ML-2 (1510265) | 0 | .003 .001 | | | | | | | | | | |
| ML-3 (1510266) ML-4 (1510267) | 0 | .002 .003 | | | | | | | | | | |
| ML-5 (1510268) ML-6 (1510269) | 0 | .002 .004 | | | | | | | | | | |
| ML-7 (1510270) ML-8 (1510271) | 0 0 | .027 .026 | | | | | | | | | | |
| ML-9 (1510272) ML-10 (1510273) | 0 | .002 .022 | | | | | | | | | | |
| ML-11 (1510274) ML-12 (1510275) | 0 0 | .001 .001 | | | | | | | | | | |
| ML-13 (1510276) ML-14 (1510277) | <0 0 | .001 .001 | | | | | | | | | | |
| ML-15 (1510278) ML-16 (1510279) | <0 0 | .001 .002 | | | | | | | | | | |
| ML-17 (1510280) ML-18 (1510281) | <0 0 | .001 .002 | | | | | | | | | | |
| ML-19 (1510282) ML-20 (1510283) | 0 | .015 .001 | | | | | | | | | | |
| ML-21 (1510284) ML-22 (1510285) | 0 0 | .003 .001 | | | | | | | | | | |
| ML-23 (1510286) ML-24 (1510287) | 0 | .002 .002 | | | | | | | | | | |
| ML-25 (1510288) ML-26 (1510289) | 0 <0 | .002 | | | | | | | | | | |
| ML-27 (1510290) ML-28 (1510291) | <0 0 | .001 .003 | | | | | | | | | | |
| ML-29 (1510292) ML-30 (1510293) | 0 <0 | .001 | | | | | | | | | | |
| ML-31 (1510294) ML-32 (1510295) | 0 <0 | .001 | | | | | | | | | | |

Certified By:

-sherin Housson

AGAT CERTIFICATE OF ANALYSIS (V1)

Results relate only to the items tested. Results apply to samples as received.

Page 5 of 11

| | AGGT | Laboratories |
|--|-------------|--------------|
|--|-------------|--------------|

AGAT WORK ORDER: 20T658893 **PROJECT: Midlothian**

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

CLIENT NAME: ROBERT DILLMAN

Г

ATTENTION TO: ROBERT DILLMAN

| | (202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm) | | | | | | | | | | | |
|---------------------|--|---------|-----------------------------|-----------------------------|-------------------|--|--|--|--|--|--|--|
| DATE SAMPLED: OC | t 01, 2020 | | DATE RECEIVED: Oct 02, 2020 | DATE REPORTED: Nov 04, 2020 | SAMPLE TYPE: Rock | | | | | | | |
| | Analyte: | Au | | | | | | | | | | |
| | Unit: | ppm | | | | | | | | | | |
| Sample ID (AGAT ID) | RDL: | 0.001 | | | | | | | | | | |
| ML-33 (1510296) | | <0.001 | | | | | | | | | | |
| ML-34 (1510297) | | < 0.001 | | | | | | | | | | |
| ML-35 (1510298) | | 0.002 | | | | | | | | | | |
| ML-36 (1510299) | | 0.003 | | | | | | | | | | |
| ML-37 (1510300) | | 0.005 | | | | | | | | | | |
| ML-38 (1510301) | | 0.007 | | | | | | | | | | |
| ML-39 (1510302) | | 0.018 | | | | | | | | | | |
| ML-40 (1510303) | | 0.002 | | | | | | | | | | |
| ML-41 (1510304) | | 0.006 | | | | | | | | | | |
| ML-42 (1510305) | | 0.005 | | | | | | | | | | |
| ML-43 (1510306) | | 0.377 | | | | | | | | | | |
| ML-44 (1510307) | | 0.010 | | | | | | | | | | |
| ML-45 (1510308) | | 0.074 | | | | | | | | | | |
| ML-46 (1510309) | | 0.108 | | | | | | | | | | |
| ML-47 (1510310) | | 0.527 | | | | | | | | | | |
| ML-48 (1510311) | | 0.074 | | | | | | | | | | |
| ML-49 (1510312) | | 0.072 | | | | | | | | | | |
| ML-50 (1510313) | | >10 | | | | | | | | | | |
| ML-51 (1510314) | | 0.104 | | | | | | | | | | |
| ML-52 (1510315) | | 0.031 | | | | | | | | | | |

Comments: RDL - Reported Detection Limit Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

Sherin Housso

AGAT CERTIFICATE OF ANALYSIS (V1)

Results relate only to the items tested. Results apply to samples as received.

| | La | aboratories | Certific AGAT WORK PROJECT: M | ate of Analysis CORDER: 20T658893 Iidlothian | 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 DIELMAN | | | | | | |
| | | Siev | ving - % Pass | sing (Crushing) | | | | | |
| DATE SAMPLED: Oct 01, 2020 | | DATE RECEIVED: O | ct 02, 2020 | DATE REPORTED: Nov 04, 2020 | SAMPLE TYPE: Rock | | | | |
| Analyte: Pas | s % | | | | | | | | |
| Unit: | % | | | | | | | | |

Comments: RDL - Reported Detection Limit

Sample ID (AGAT ID)

ML-1 (1510264)

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

0.01

78.74

RDL:

Certified By:

-sherin Housson

| |]6 | 1 | Laboratories | Certifica AGAT WORK (PROJECT: Mid | te of Analysis DRDER: 20T658893 Ilothian | 5623 McADAM ROAD MISSISSAUGA, ONTARIO CANADA L42 1N9 TEL (905)501-9998 FAX (905)501-0589 http://www.agatiabs.com |
|---------------------|------------|----------|----------------|--|--|---|
| CLIENT NAME: RO | BERT DILLN | IAN | | | ATTENTION TO: ROBER | T DILLMAN |
| | | | Sie | ving - % Passing | g (Pulverizing) | |
| DATE SAMPLED: Oct | t 01, 2020 | | DATE RECEIVED: | Oct 02, 2020 | DATE REPORTED: Nov 04, 2020 | SAMPLE TYPE: Rock |
| | Analyte: | Pass % | | | | |
| | Unit: | % | | | | |
| Sample ID (AGAT ID) | RDL: | 0.01 | | | | |
| ML-1 (1510264) | | 88.89 | | | | |

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

-sherin Houssed

AGAT CERTIFICATE OF ANALYSIS (V1)

Results relate only to the items tested. Results apply to samples as received.



Quality Assurance - Replicate AGAT WORK ORDER: 20T658893 PROJECT: Midlothian 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

| | (202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm) | | | | | | | | | | | | | | | |
|-----------|---|--------|--------|--|-----------|----------|-----------|-----|--------------|----------|-----------|-----|--|--|--|--|
| | | REPLIC | ATE #1 | | | REPLIC | ATE #2 | | REPLICATE #3 | | | | | | | |
| Parameter | er Sample ID Original Replicate RPD | | | | Sample ID | Original | Replicate | RPD | Sample ID | Original | Replicate | RPD | | | | |
| Au | Au 1510264 0.003 0.003 0.0% 1510278 < 0.001 < 0.001 0.0% 1510303 0.002 0.002 0.0% | | | | | | | | | | | | | | | |



Quality Assurance - Certified Reference materials AGAT WORK ORDER: 20T658893 PROJECT: Midlothian

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

CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN

| | (202-552) Fire Assay - Trace Au, ICP-OES finish (50g charge) (ppm) | | | | | | | | | | | | | | | |
|-----------|--|--|--|--|--------|--------|----------|--------|--|--|--|--|--|--|--|--|
| | CRM #1 (ref.GSP6C) CRM #2 (ref.GS7F) | | | | | | | | | | | | | | | |
| Parameter | Expect Actual Recovery Limits | | | | Expect | Actual | Recovery | Limits | | | | | | | | |
| Au | Au 0.767 0.746 97% 90% - 110% 6.9 6.8 98% 90% - 110% | | | | | | | | | | | | | | | |

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

Method Summary

CLIENT NAME: ROBERT DILLMAN

PROJECT: Midlothian

AGAT WORK ORDER: 20T658893 ATTENTION TO: ROBERT DILLMAN

| SAMPLING SITE: | | SAMPLED BY: | | | | | | | | |
|-------------------------|----------------------|---|----------------------|--|--|--|--|--|--|--|
| PARAMETER | AGAT S.O.P | LITERATURE REFERENCE | ANALYTICAL TECHNIQUE | | | | | | | |
| Solid Analysis | · · | · | | | | | | | | |
| Sample Login Weight | MIN-12009 | | BALANCE | | | | | | | |
| Sample Weight (+) | MIN-200-12040 | Johnson, W.: Laboratory Sampling of Geological Mat | BALANCE | | | | | | | |
| Sample Weight (-) | MIN-200-12040 | Johnson, W.: Laboratory Sampling of Geological Mat | BALANCE | | | | | | | |
| Au Assay (+) Fraction 1 | MIN-200-12040 | Johnson, W.: Laboratory Sampling of Geological Mat | ICP/OES | | | | | | | |
| Au Assay (+) Fraction 2 | MIN-200-12040 | Johnson, W.: Laboratory Sampling of Geological Mat | ICP/OES | | | | | | | |
| Au Assay (+) Fraction 3 | MIN-200-12040 | Johnson, W.: Laboratory Sampling of Geological Mat | ICP/OES | | | | | | | |
| Au Assay (+) Fraction 4 | MIN-200-12040 | Johnson, W.: Laboratory Sampling of Geological Mat | ICP/OES | | | | | | | |
| Au Assay (+) Fraction 5 | MIN-200-12040 | Johnson, W.: Laboratory Sampling of Geological Mat | ICP/OES | | | | | | | |
| Au Assay (-) Fraction 1 | MIN-200-12040 | Johnson, W.: Laboratory Sampling of Geological Mat | ICP/OES | | | | | | | |
| Au Assay (-) Fraction 2 | MIN-200-12040 | Johnson, W.: Laboratory Sampling of Geological Mat | ICP/OES | | | | | | | |
| Total Au | MIN-200-12040 | | N/A | | | | | | | |
| Au | MIN-12006, MIN-12004 | | ICP/OES | | | | | | | |
| Pass % | | | BALANCE | | | | | | | |



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

CLIENT NAME: ROBERT DILLMAN 8901 REILY DRIVE MOUNT BRYDGES, ON NOL 1W0 519-264-9278 ATTENTION TO: ROBERT DILLMAN, JIM RENAUD PROJECT: AGAT WORK ORDER: 21T767136 SOLID ANALYSIS REVIEWED BY: Jeffrey Xiong, Lab Team Lead DATE REPORTED: Aug 16, 2021 PAGES (INCLUDING COVER): 8

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

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- All samples will be disposed of within 90 days following Manager if you require additional sample storage time. wing analysis, unless expressly agreed otherwise in writing. Please contact your Client Project
- AGAT's liability in connection with any delay, performance or non-performance of these services is only to the Client and does not extend to any other • third party. Unless expressly agreed otherwise in writing, AGAT's liability is limited to the actual cost of the specific analysis or analyses included in the services.
- This Certificate shall not be reproduced except in full, without the written approval of the laboratory. .
- The test results reported herewith relate only to the samples as received by the laboratory.
- Measurement Uncertainty is not taken into consideration when stating conformity with a specified requirement. Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to, warranties of
- merchantability, fitness for a particular purpose, or non-infringement. AGAT assumes no responsibility for any errors or omissions in the guidelines contained in this document. All reportable information as specified by ISO/IEC 17025:2017 is available from AGAT Laboratories upon request.



AGAT WORK ORDER: 21T767136 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: Ju | n 27, 2021 | | DATE RECEIVED: Jun 28, 2021 | DATE REPORTED: Aug 16, 2021 | SAMPLE TYPE: Rock | | | | | |
| | Analyte: | Sample Login Weight | | | | | | | | |
| | Unit: | kg | | | | | | | | |
| Sample ID (AGAT ID) | RDL: | 0.005 | | | | | | | | |
| MID-1 (2668414) | | 1.28 | | | | | | | | |
| MID-2 (2668415) | | 1.53 | | | | | | | | |
| MID-3 (2668416) | | 1.83 | | | | | | | | |
| MID-4 (2668417) | | 1.60 | | | | | | | | |
| MID-5 (2668418) | | 2.42 | | | | | | | | |
| MID-6 (2668419) | | 2.69 | | | | | | | | |
| MID-7 (2668420) | | 1.43 | | | | | | | | |
| MID-8 (2668421) | | 1.59 | | | | | | | | |
| MID-9 (2668422) | | 2.63 | | | | | | | | |
| MID-10 (2668423) | | 2.93 | | | | | | | | |
| 1 | | | | | | | | | | |

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

Alisa

AGAT CERTIFICATE OF ANALYSIS (V1)

Results relate only to the items tested. Results apply to samples as received.



AGAT WORK ORDER: 21T767136 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: Jun 27, 2021 DATE RECEIVED: Jun 28, 2021 DATE REPORTED: Aug 16, 2021 SAMPLE TYPE: Rock | | | | | | | | | | | |
| | Analyte: | Au | | | | | | | | | |
| | Unit: | ppm | | | | | | | | | |
| Sample ID (AGAT ID) | RDL: | 0.001 | | | | | | | | | |
| MID-1 (2668414) | | 0.048 | | | | | | | | | |
| MID-2 (2668415) | | 0.013 | | | | | | | | | |
| MID-3 (2668416) | | 3.67 | | | | | | | | | |
| MID-4 (2668417) | | 0.077 | | | | | | | | | |
| MID-5 (2668418) | | 0.005 | | | | | | | | | |
| MID-6 (2668419) | | 0.446 | | | | | | | | | |
| MID-7 (2668420) | | 0.013 | | | | | | | | | |
| MID-8 (2668421) | | 0.034 | | | | | | | | | |
| MID-9 (2668422) | | 0.037 | | | | | | | | | |
| MID-10 (2668423) | | 0.003 | | | | | | | | | |

RDL - Reported Detection Limit Comments:

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

Alisa

AGAT CERTIFICATE OF ANALYSIS (V1)

| 🞲 agat | Laboratories | Certifica AGAT WORK PROJECT: | te of Analysis ORDER: 21T767136 | 5623 McADAM ROAD MISSISSAUGA, ONTARIO CANADA L42 1N9 TEL (905)501-9998 FAX (905)501-0589 |
|-----------------------------|----------------|------------------------------------|------------------------------------|--|
| CLIENT NAME: ROBERT DILLMAN | | | ATTENTION TO: ROBERT | DILLMAN, JIM RENAUD |
| | Si | eving - % Passi | ng (Crushing) | |
| DATE SAMPLED: Jun 27, 2021 | DATE RECEIVED: | Jun 28, 2021 | DATE REPORTED: Aug 16, 2021 | SAMPLE TYPE: Rock |
| Analyte: Crush-Pass % | | | | |

Sample ID (AGAT ID) MID-1 (2668414)

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

%

0.01

77.25

Unit:

RDL:

Certified By:

Also

AGAT CERTIFICATE OF ANALYSIS (V1)

Page 4 of 8

| | Laboratories | Certificate of Analysis AGAT WORK ORDER: 21T767136 PROJECT: | 5623 MoADAM ROAD MISSISSAUGA, ONTARIO CANADA L42 IN9 TEL (905)501-9998 FAX (905)501-0589 http://www.agatlabs.com |
|----------------------------|----------------|---|---|
| | Siev | ving - % Passing (Pulverizing) | |
| DATE SAMPLED: Jun 27, 2021 | DATE RECEIVED: | Jun 28, 2021 DATE REPORTED: | Aug 16, 2021 SAMPLE TYPE: Rock |

| DATE SAMPLED: JUII 27, 20 | 21 | | DATE RECEIVED: JUII 28, 2021 | DATE REPORTED: Aug 10, 2021 | SAMPLE ITPE: ROCK |
|---------------------------|--------|------------|------------------------------|-----------------------------|-------------------|
| Ana | alyte: | Pul-Pass % | | | |
| | Unit: | % | | | |
| Sample ID (AGAT ID) | RDL: | 0.01 | | | |
| MID-1 (2668414) | | 89.56 | | | |
| | | | | | |

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:

Alisa

AGAT CERTIFICATE OF ANALYSIS (V1)

Results relate only to the items tested. Results apply to samples as received.

Page 5 of 8



Quality Assurance - Replicate AGAT WORK ORDER: 21T767136 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) | | | | | | | | | | | | | |
|-----------|--|----------|-----------|-----|--|--|--|--|--|--|--|--|--|--|
| | REPLICATE #1 | | | | | | | | | | | | | |
| Parameter | Sample ID | Original | Replicate | RPD | | | | | | | | | | |
| Au | 2668414 | 0.048 | 0.007 | | | | | | | | | | | |



Quality Assurance - Certified Reference materials AGAT WORK ORDER: 21T767136 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) | | | | | | | | | | | | | |
|-----------|--|--------|----------|------------|--|--|--|--|--|--|--|--|--|--|
| | CRM #1 (ref.GS7K) | | | | | | | | | | | | | |
| Parameter | Expect | Actual | Recovery | Limits | | | | | | | | | | |
| Au | 7.06 | 6.95 | 98% | 90% - 110% | | | | | | | | | | |



5623 McADAM ROAD MISSISSAUGA, ONTARIO CANADA L4Z 1N9 TEL (905)501-9998 FAX (905)501-9589 http://www.agatlabs.com

Method Summary

| CLIENT NAME: ROBERT DILLMAN | | AGAT WORK ORDER: 21T767136 | | | | | |
|-----------------------------|----------------------|--|----------------------|--|--|--|--|
| PROJECT: | | ATTENTION TO: ROBERT DILLMAN, JIM RENAUD | | | | | |
| SAMPLING SITE: | | SAMPLED BY: | | | | | |
| PARAMETER | AGAT S.O.P | LITERATURE REFERENCE | ANALYTICAL TECHNIQUE | | | | |
| Solid Analysis | · | L | | | | | |
| Sample Login Weight | MIN-12009 | BALANCE | | | | | |
| Au | MIN-12006, MIN-12004 | ICP/OES | | | | | |
| Crush-Pass % | | BALANCE | | | | | |
| Pul-Pass % | | BALANCE | | | | | |