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PROSPECTING WORK REPORT

on

**GEOLOGICAL MAPPING AND LITHOGEOCHEMICAL
SAMPLING**

GOLDBAR LAKE PROPERTY

THUNDER BAY MINING DIVISION

DISTRICT OF THUNDER BAY, ONTARIO

NTS 42D 15S/W

**Marathon, Ontario
September 29, 2019**

**Rudolf Wahl
Prospector**

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Map 1 - Geology - Traverse - Sample location, scale 1:5000

Map 2 - Claim map

1.0 Introduction

Between June 04, 2018 to September 29, 2019 general prospecting, geological mapping and rock sampling was conducted on the Goldbar Lake property. We prospected the Goldbar Lake property to find and outline Gold mineralization.

2.0 LOCATION AND ACCESS

The Goldbar Lake Property is located within Tuuri and Walsh Township (G 635 and G 636) approximately 225 kilometers via Trans Canada Highway 17 northeast of Thunder Bay, Ontario. The Trans Canada Highway is about 3km south of the Goldbar Lake property. Access to the property from highway 17 is restricted to 4wheeler trails. The terrain on the cell blocks is very rugged with steep hills. The property is located between the towns of Terrace Bay and Marathon which can provide all supplies and manpower needed for exploration and development.





PROPERTY DESCRIPTION

The Goldbar Lake Property consists of 24 contiguous mining cell claim units recorded in good standing in Thunder Bay Mining Division within Tuuri and Walsh Township (G635 and G636).

Claims/units

142999, 189068, 127522, 136956, 145522, 157121, 257804, 291565, 112221, 174405, 249150, 277811, 327833, 336551, 174404, 174406, 192988, 241105, 249151, 261135, 261136, 315114, 327831, 327832

Assessment Work Breakdown

<u>Type of Work</u>	<u>Name & Address</u>	<u>Dates Worked</u>	<u>Days = 8 to 10 hours</u>	<u>Signature</u>
Prospecting , Geological mapping, Hand Stripping, Rock sampling along Travers line on claim # 336551, 249150, 189068, 192988	Rudolf Wahl Box 1022 Marathon, Ontario P0T 2E0 <u>CLN # 206079</u>	June 04, 2018 To June 08, 2018	5	
Prospecting , Geological mapping, Rock sampling along Travers line on claim #336551, 249150, 189068, 192988	Leonard Windover Box 2111 Marathon, Ontario P0T 2E0 <u>CLN #402309</u>	June 04, 2018 To June 08, 2018	5	
Prospecting , Geological mapping, Rock sampling along Travers line on claim # 145522, 192988	Rudolf Wahl Box 1022 Marathon, Ontario P0T 2E0 <u>CLN # 206079</u>	June 11, 2019 To June 12, 2019	2	
Prospecting , Geological mapping, Hand Stripping, Rock sampling along Travers line on claim # 145522, 192988	Leonard Windover Box 2111 Marathon, Ontario P0T 2E0 <u>CLN #402309</u>	June 11, 2019 To June 12, 2019	2	


Total

14

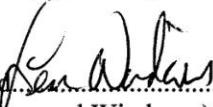
Assessment Work Breakdown

A total of 14 days in between June 04, 2018 and June 12, 2019 where used for prospecting, hand stripping, geological mapping and rock sampling on the Goldbar Lake Property.

Dated July 052019, Marathon, Ont.

Signed 
(Rudolf Wahl)

Dated July 042019, Marathon, Ont

Signed 
(Leonard Windover)

Assessment Work Breakdown days:

June 04, 2018 to June 08, 2018 prospecting on claim #336551, 249150, 189068, 192988.

We prospected and geological mapped along the western and northern part around the Goldbar Lake. Some of the areas are covered by overburden within the east / west trending fault and the north / south trending fault. Not much of mineralization was noted within the prospect area. Driving on an old 4wheeler trail form Hwy.17 to the Goldbar Lake is very time consuming and very rugged in some places. We took 11 rock samples doing the 5 days prospecting.

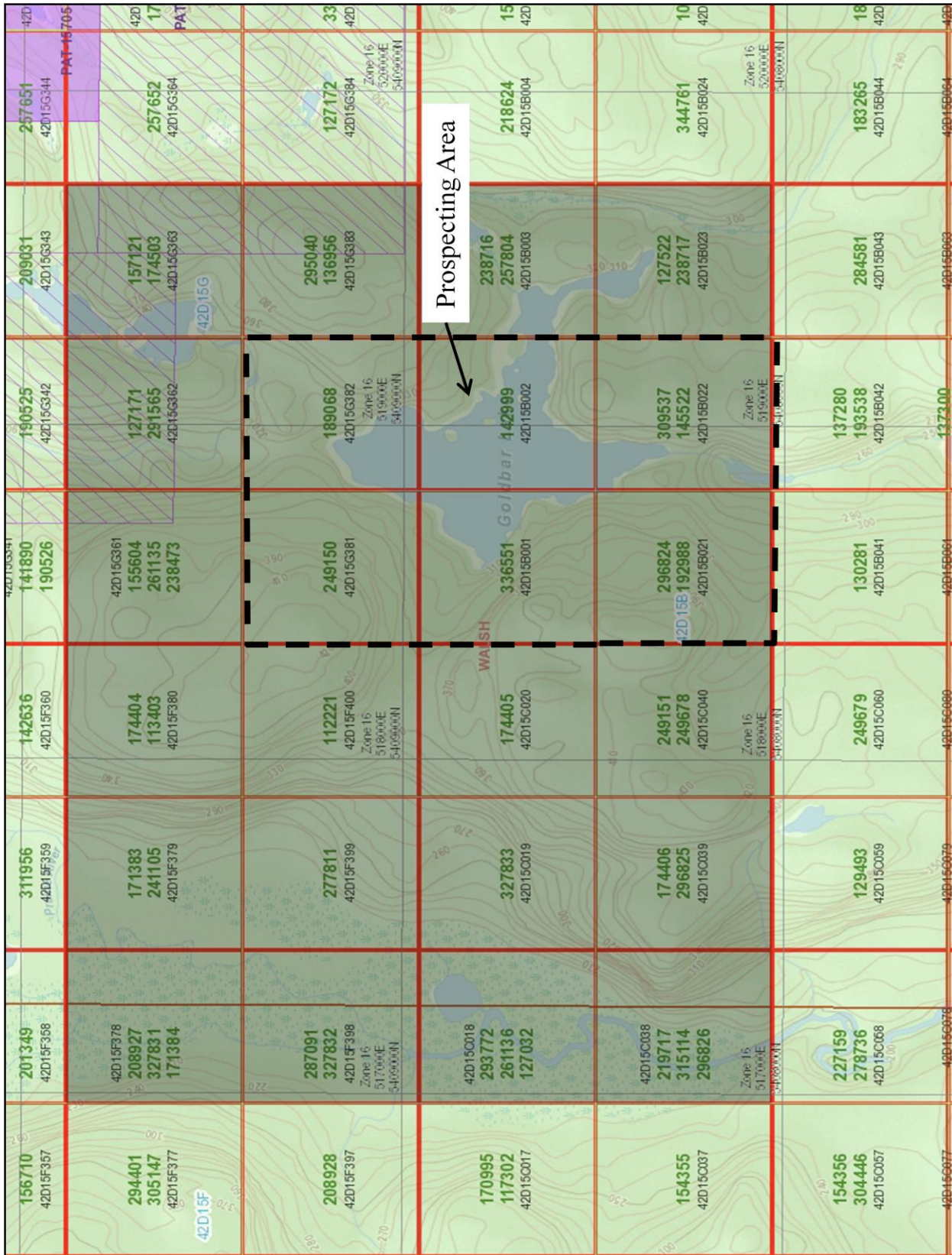
June 11, 2019 to June 12, 2019 prospecting on claim #145522, 192988

We prospected and geological mapped along the south eastern and western part around the Goldbar Lake. Not much of mineralization was noted within that area. Driving the old 4wheeler trail form Hwy.17 to the Goldbar Lake is very time consuming and very rugged in some places. We took 4 rock samples doing the 2 days prospecting. It was a challenge to get around the steep hills.

Goldbar Lake Property Key Location Map



Claim Map Tuuri and Walsh Township (G 635 and G 636)



3.0

Regional Geology

The Goldbar Lake property is located on the north shore of Lake Superior mid-way between Marathon and Terrace Bay. The property is centered on a large area of Archean aged metavolcanics within the Abitibi-Wawa subprovince. A major felsic volcanic centre forms the core of an antiform, and is overlain by a thin, laterally extensive unit of chert, shale sulphide iron-formation and related sedimentary rocks.

The felsic volcanic sequence in the Goldbar Lake area is an antiformal sequence of rhyolite flows, coarse epiclastic breccia, minor pyroclastic strata and some subvolcanic domes and dykes. The prominent antiformal axis is coincident with strong cleavage development with most primary features rotated to parallel the axis. These are interlayered with mafic flows, and capped by a near continuous exhalite unit. The capping exhalite units are overlain by a predominantly mafic sequence.

Phoenix Matachewan Mines preliminary geochemical compilation indicates that the felsic strata are “high-temperature” rhyolites, and that the mafic strata are profoundly europium (Eu) depleted. The latter are mainly andersite, whereas the overlying mafic flows are basaltic. The felsic strata are remarkably sodium (Na) depleted and just below the exhalite unit they are manganese (Mn) and base-metal enriched. In summary, the petrochemical data from Phoenix Matachewan Mines indicate that the strata are part of a major high-temperature hydrothermal system.

Overall, the lowest part of the stratigraphic section corresponds to the antiformal axis. The antiform appears to plunge to the east and thus the western part of the system in the area of Santoy Lake, may represent the overall base of the section. That region is typified by epidotized mafic rocks, and is adjacent to a felsic intrusive complex that may contain portions of a subvolcanic sill system.

The past-producing VMS deposits in both the Manitouwadge (to the east) and Winston Lake (to the west) area are both associated with felsic sequences (proximal at Winston, siliciclastic at Manitouwadge). The presence of possibly laterally equivalent strata at Goldbar Lake, including well developed volcanic breccia, coupled with excellent geochemical indicators of high-temperature hydrothermal discharge indicate high VMS potential in the Goldbar Lake area. Both belts have yielded significant base metal deposits, the former producing over 65 million tonnes (Willroy, Geco and Big Nama Crekk) of ore and the latter 6 million tonnes of ore (Winston Lake).

3.1

Property Geology

A laterally extensive unit or units of chert, graphitic shale, and sulphidic chert-magnetite iron formation, collectively interpreted to be exhalites, is of critical interest on the Goldbar Lake property. It lies along the contact between the central felsic sequence and the flanking more mafic volcanic sequence, and thus warps around the major fold structure that closes to the east. To date this unit has been interpreted to cap the felsic sequence, thus conforming to the interpretation of the major fold being anticlinal.

Preliminary compilation of geochemical data indicates that the felsic rocks are high temperature rhyolites, with intercalated mafic rocks that are profoundly Eu - depleted (Franklin 2005). “The felsic strata are remarkably Na-depleted, and just below the exhalite unit, they are Mn and base-metal enriched” (Franklin 2005).

3.2

Mineralization

Previous exploration has located several copper-zinc occurrences within the felsic sequence, near its anticlinal core. Examination of these indicates that these are stringer-type zones, surrounded by sericite-chlorite alteration, and rotated into the plane of schistosity. Immediately below the exhalite unit, the rocks are broadly manganese enriched, with local base metal enrichment in several areas. Previous work focused on the stringer-type mineralization (e.g. the Starhill Zone) and ignored the upper part of the sequence where focused discharge and massive sulfide deposition appears to have occurred. For example, in the Bozema Lake area massive sphalerite occurs in the exhalite; this type of target is the primary focus of Phoenix Matachewan’s program. The past-producing VMS deposits in both the Manitouwadge (to the east) and Winston Lake (to the west) areas are both associated with felsic sequences (proximal at Winston, siliciclastic at Manitouwadge). The presence of possibly laterally equivalent strata at Goldbar Lake, including well developed volcanic breccia, coupled with excellent geochemical indicators of high-temperature hydrothermal discharge indicate high VMS potential in the Goldbar lake area. Goldbar Lake occurrence (0.98% zinc, 4.73% copper, 80.1 g/t silver and 0.76 g/t gold over 1.1m).

4.0 Prospecting / Geological Mapping

The Goldbar Lake property was geologically mapped and prospected / sampled on cell claim 145522, 336551,249150, 189068,142999, 192988 with emphasis on prospecting in order to locate significant gold mineralization.

5.0 Work conducted on the Goldbar Lake property.

The Goldbar Lake Property consists of 24 contiguous mining cell claims recorded in good standing in Thunder Bay Mining Division within Tuuri and Walsh Township (G635 and G636).

Work conducted on claim:

Claims/units

145522, 336551,249150, 189068,142999, 192988

Total 6 cell claim units

5.1 Work completed

- a. Geological mapping on traverse lines.
- b. Rock sampling over mineralized out crops along traverse lines.
- c. Rock sample where collected by UTM NAD 83 locations and sample numbers applied to the samples afterwards.
- d. All sample where taking with a Geo tool.
- e. A total of 15 sample where obtained for gold assay.
- f. Topographic features (trail, lakes, creeks and old grid lines) were also used for control mapping and prospecting.

6.0 Results and Conclusion

The cell claims on the Goldbar Lake property were geologically mapped and prospected with emphasis on prospecting in order to locate significant Gold mineralization.

15 Rock samples were collected from the Goldbar Lake property, cell claim 145522, 336551, 249150, 189068, 142999, 192988.

The assay results from Actlabs were disappointing; none of the collected and assayed samples returned any positive results, only two samples returned above values. Sample 582061 of 16 ppb Au/t and sample 582239 of 9ppb Au/t.

6.1 RECOMMENDATIONS

The effort to locate potential gold mineralization around Goldbar Lake failed this time, but we have to keep in mind of the existence of favorable stratigraphy on the property, the presence of geophysical anomalies located on the property in our 2009 prospection season associated with 1 g/t Au , 2.45% Cu, 1.94 % Cu, 0.04% Cu, 155 ppm to 323 ppm Uranium further prospecting is warranted within the property. The Goldbar Lake property still has excellent potential to host a gold/copper - base metal deposit.

**Marathon, Ontario
September 29, 2019**

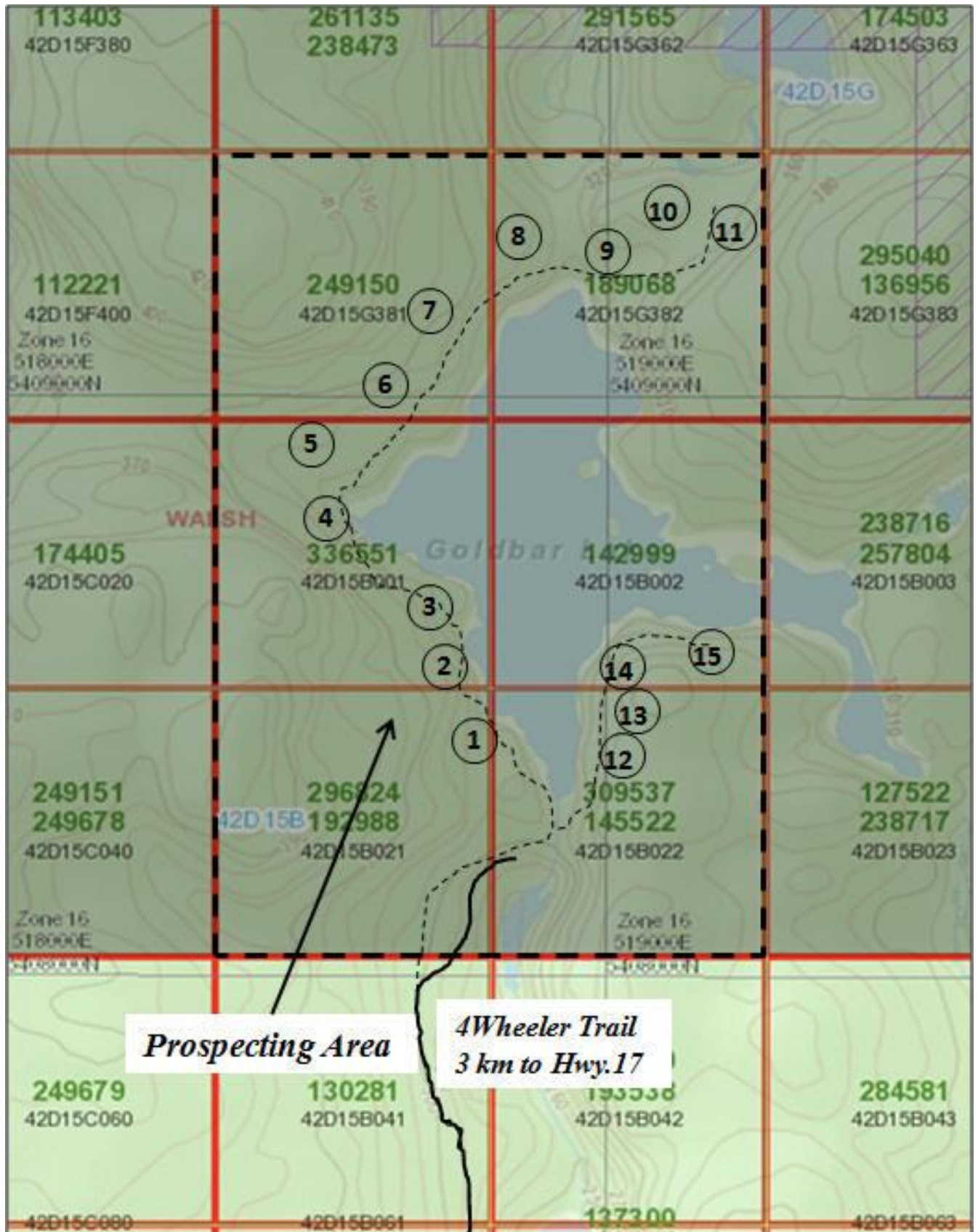
Respectfully submitted



**Rudolf Wahl
Prospector**

Appendix I

Sample Location Map



**Goldbar Lake Sample Locations 2018-2019, UTM
NAD 83**

# Sample Location	Sample #	Easting	Northing
1	582051	518830	5408411
2	582052	518758	5408528
3	582053	518717	5408624
4	582054	518514	5408783
5	582055	518484	5408900
6	582056	518638	5408994
7	582057	518783	5409148
8	582058	518879	5409246
9	582059	518970	5409254
10	582060	519049	5409322
11	582061	519057	5409203
12	582238	518959	5408359
13	582239	518989	5408427
14	582240	518994	5408520
15	582241	519123	5408575

Appendix II

DESCRIPTION OF ROCK SAMPLES
(See Geological map for sample location)

Sample Location #	Sample #	Rock Sample Description
1	582051	Shear zone with thin quartz veining, chlorite - sericite schist, 1.% sulphide, carbon staining.
2	582052	Quartz vein-breccia, Chlorite schist 0.5% sulphide
3	582053	Shear zone with thin quartz veining breccia, chlorite - sericite schist, 1.5% sulphide, carbon staining.
4	582054	Tight shear zone with thin quartz veining, chlorite - sericite schist, 1% sulphide.
5	582055	Quartz vein-breccia, Chlorite schist 1.5% sulphide
6	582056	Shear zone with thin quartz veining, chlorite - sericite schist, 1% sulphide, carbon staining.
7	582057	Shear zone, chlorite - sericite schist, 1% sulphide, carbon staining.
8	582058	Shear zone with thin quartz veining breccia, chlorite - sericite schist, 1% sulphide, carbon staining
9	582059	Quartz vein-breccia, Chlorite schist 1.5% sulphide
10	582060	Quartz vein-breccia, Chlorite schist 1.5% sulphide
11	582061	Shear zone , chlorite - sericite schist, 1% sulphide, carbon staining.
12	582238	Shear zone , chlorite - sericite schist, 2% sulphide, carbon staining – Fe staining
13	582239	Quartz veining in Chlorite schist 1.5% sulphide
14	582240	Shear zone with 1 inch quartz veining , chlorite - sericite schist, 1.5% sulphide, carbon staining.
15	582241	Shear zone with ½ inch quartz veining , chlorite - sericite schist, 1.5% sulphide, carbon staining.

Appendix III

Quality Analysis ...



Innovative Technologies

Date Submitted: 12-Jul-19
Invoice No.: A19-09060
Invoice Date: 18-Jul-19
Your Reference:

Wahls Prospecting
Box 1022
Marathon ON P072E0
Canada

ATTN: Rudy Wahl

CERTIFICATE OF ANALYSIS

4 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT A19-09060

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is written in a cursive, somewhat stylized font.

Emmanuel Esemé, Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6
TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Results

Activation Laboratories Ltd.

Report: A19-09060

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
582238	< 5
582239	9
582240	< 5
582241	< 5

QC

Activation Laboratories Ltd.

Report: A19-09060

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
Oreas 221 (Fire Assay) Meas	1020
Oreas 221 (Fire Assay) Cert	1060
582241 Orig	< 5
582241 Dup	< 5
Method Blank	< 5

Quality Analysis ...



Innovative Technologies

Date Submitted: 20-Jul-18
Invoice No.: A18-09456
Invoice Date: 07-Aug-18
Your Reference:

Wahls Prospecting
Box 1022
Marathon ON P072E0
Canada

ATTN: Rudy Wahl

CERTIFICATE OF ANALYSIS

51 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT **A18-09456**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

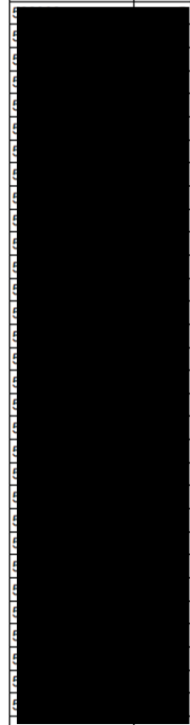
CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is written in a cursive style with a large, stylized 'E' and 'S'.

Emmanuel Esemé, Ph.D.
Quality Control

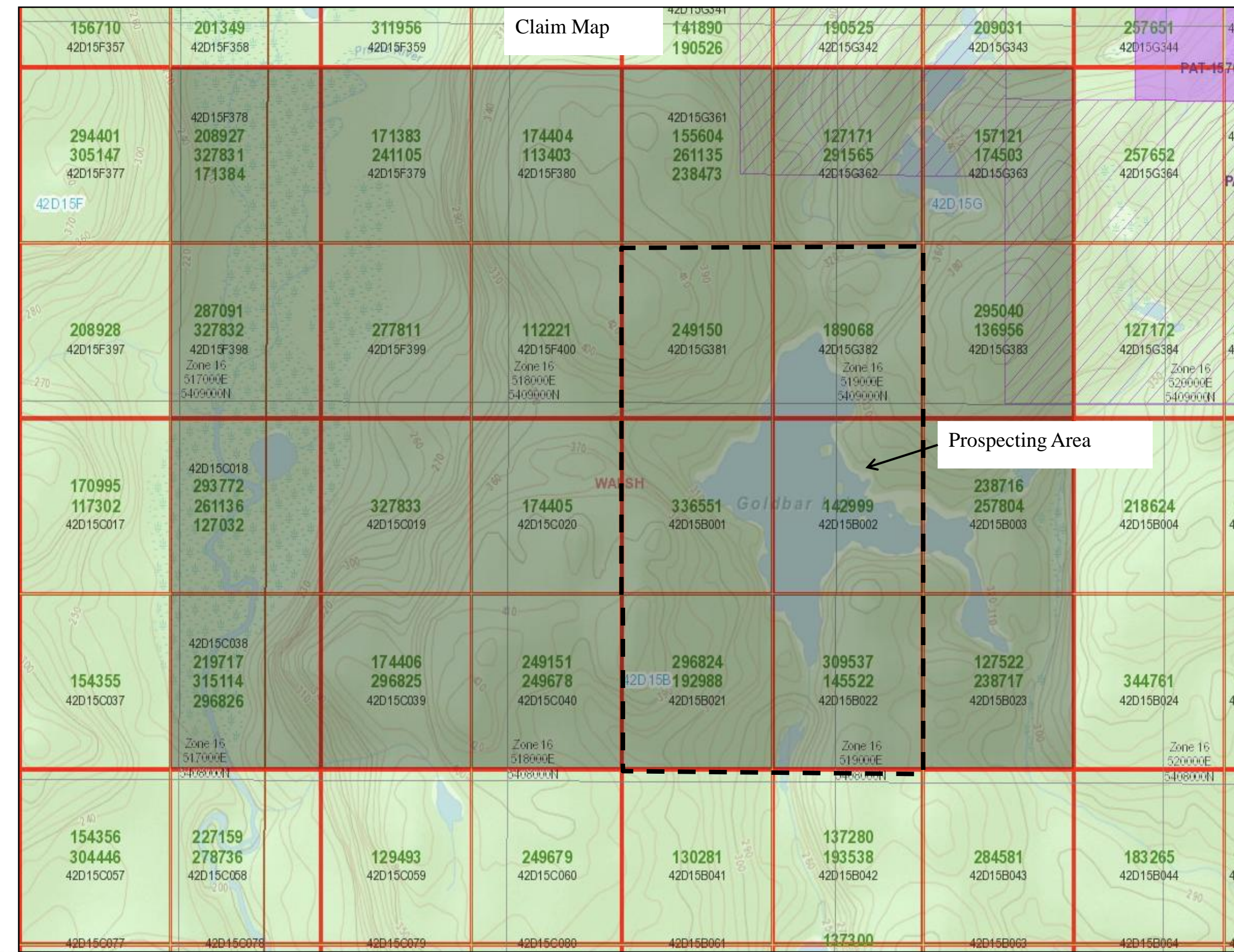
ACTIVATION LABORATORIES LTD.
1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6
TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
582051	< 5
582052	< 5
582053	< 5
582054	< 5
582055	< 5
582056	< 5
582057	< 5
582058	< 5
582059	< 5
582060	< 5
582061	16



Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA





LEGEND

SEDIMENTARY ROCKS

- 4a Greywacke
- 4b Slate
- 4c Mica phyllite and schist from sedimentary rock
- 4d Migmatite and injection gneiss

ACIDIC VOLCANIC ROCKS

- 2a Massive lava, minor vesicular lava
- 2b Porphyritic lava
- 2c Tuff
- 2d Mica phyllite and schist from acid volcanic rock

BASIC TO INTERMEDIATE VOLCANIC ROCKS

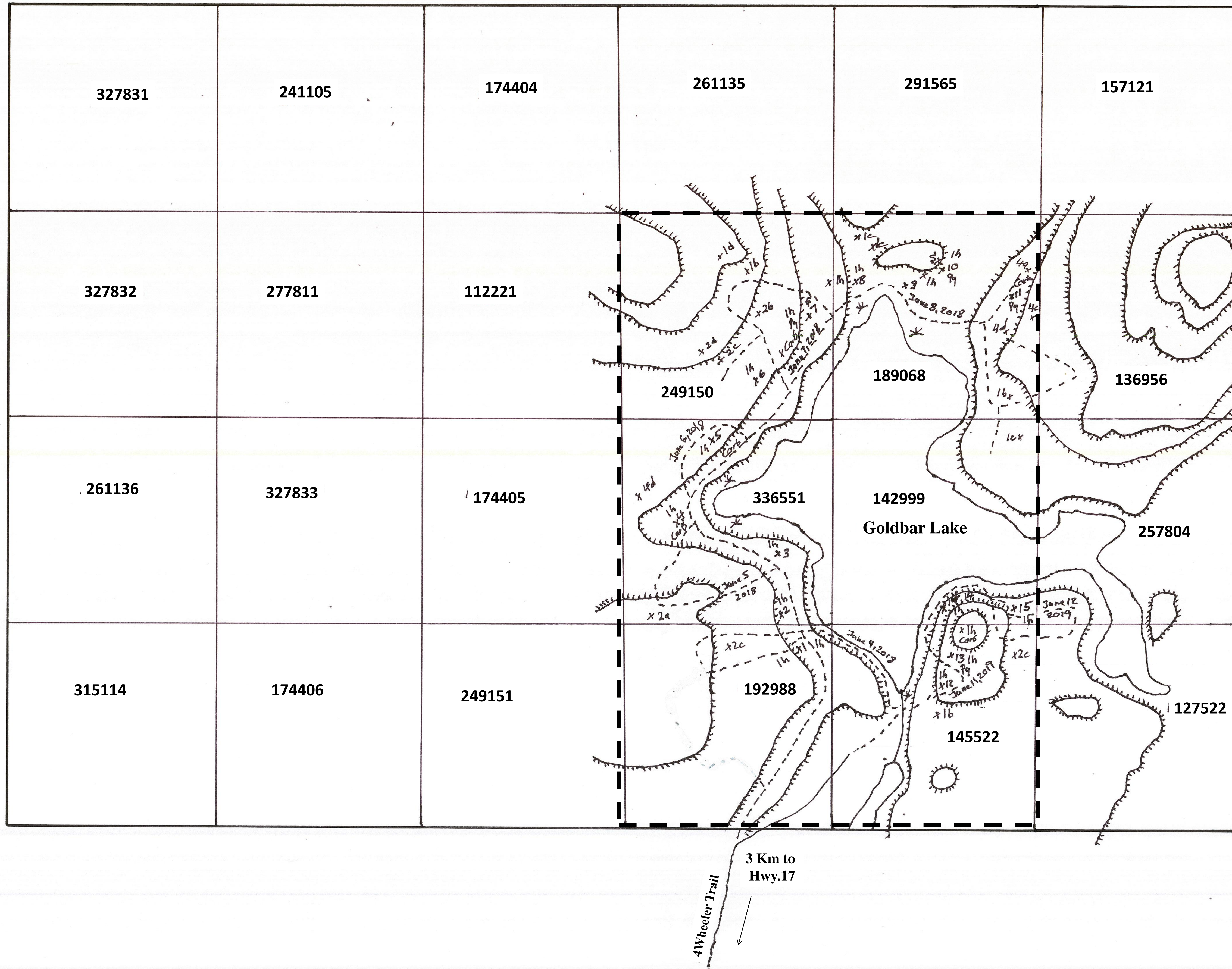
- 1b Vesicular and amygdaloidal lava
- 1c Pillow lava
- 1d Diabase to dioritic facies
- 1h Chlorite - Sericite schist

SYMBOLS

- Down slope
- Bedrock
- Muskeg or swamp
- Cell Claim unit
- Traverse Line
- 4 Wheeler Trail
- 1-15 Rock sample location location and Bedrock

ABBREVIATIONS

- S - Sulphides
- Py - Pyrite
- Carb - Carbonate



Goldbar Lake Sample Location 2018-2019, UTM NAD 83

# Sample Location	Sample #	Easting	Northing
1	582051	518830	5408411
2	582052	518758	5408528
3	582053	518717	5408624
4	582054	518514	5408783
5	582055	518484	5408900
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11	582061	519057	5409203
12	582238	518959	5408359
13	582239	518989	5408427
14	582240	518994	5408520
15	582241	519123	5408575

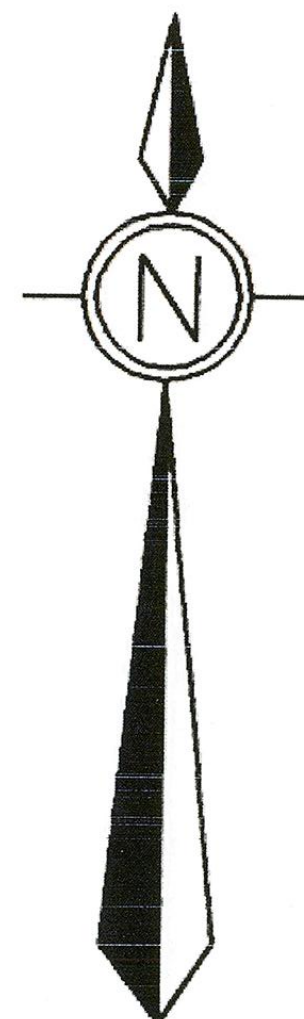
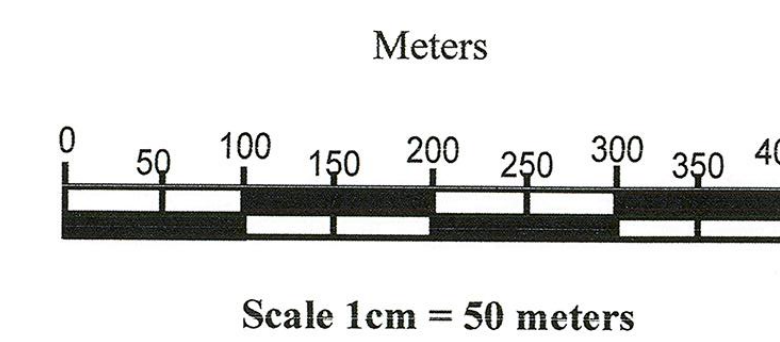
Wahl Prospecting

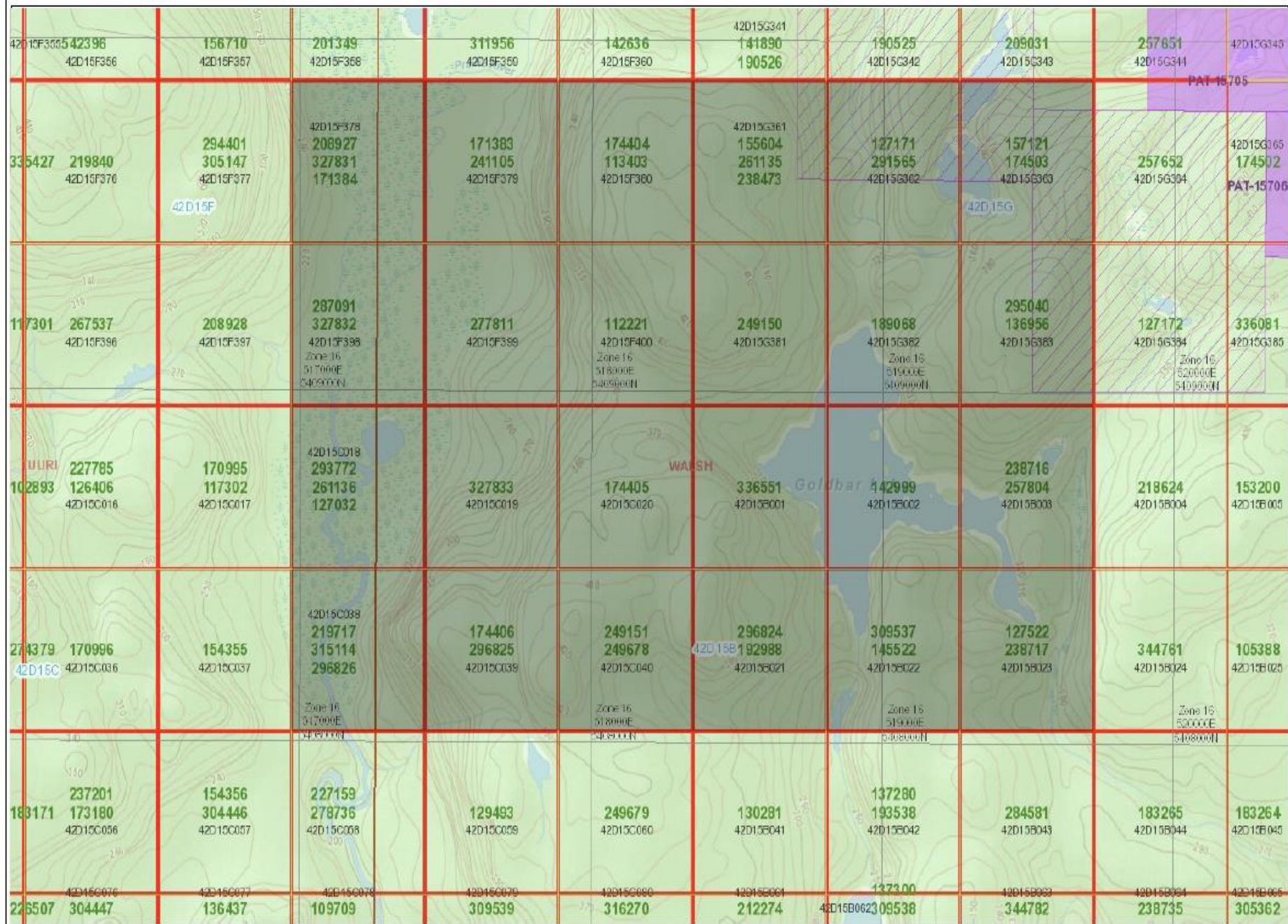
GOLDBAR LAKE PROPERTY

Tuuri - Walsh Township
Thunder Bay M.D. Ontario

Geology and Rock Sample Locations

Prep. by Rudolf Wahl	September 2019	Dwg.#
Drawn by Rudolf Wahl	Scale 1 : 5000	1





Legend

- Provincial Grid Cell**
 - Available
 - Pending
 - Unavailable
- Mining Claim**
 - Mining Claim
 - Boundary Claim
- Alteration**
 - Withdrawal
 - Notice
- ENCM Administrative Boundaries**
 - ENCM Townships and Areas
 - Geographic Lot Fabric
 - UTM Grid 1K
 - UTM Grid 10K
 - Mining Division
 - Mineral Exploration and Development Region
 - CLLRA Protected Areas - Far North
 - Resident Geologist District
 - Federal Land Other
 - Native Reserves
- AMIS Sites**
 - AMIS Sites
 - AMIS Features
 - Drill Hole
 - Mineral Occurrences
- MLAS Mining History**
 - Withdrawal - History
 - Notice - History
 - Mining Claim - History
 - Mining Land Tenure - History
 - Legacy Claim
- Provincial Grid**
 - Provincial Grid 250K
 - Provincial Grid 50K
 - Provincial Grid Group
- Land Tenure**
 - Surface Rights
 - Mining Rights
 - Mining and Surface Rights
 - Order-in-Council



Projection: Web Mercator



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