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Report on Prospecting and Physical Work Done on the Maun Lake Area Claims for Whitefish Exploration Ltd. – 2020.

Thunder Bay Mining Division

Northwest Ontario

NTS 42-L-7

UTM Zone 16

502000 E 5589000 N

Rand Hodgson B.Sc. B. Ed.

Dec. 20, 2020

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Summary of Work Done

- 4 man days compiling historical data from EMND files.
- 8 man days travel
- 24 man days prospecting
- Access trail construction- contracted- dimensions 1100 meters x 5 meters

Introduction

This report describes a program of prospecting and physical work done (trail construction) carried out on a 200 hectare claim group in the Maun Lake Area of Northwestern Ontario- Thunder Bay Mining Division. The prospecting was carried out July 16-22, and Sept. 2-6, 2020, by Rand Hodgson (CL # 145101) and Roland Hodgson-Hoffmeyer (CL # 10003383)- both residing at 287 Swanston Ave., Peterborough, Ontario. It was carried out using pace and compass traversing supported by GPS location. Traverse lines were randomized according to outcrop location. A total of 39 rock samples were assayed for gold using routine fire assay methodology. Results are submitted in the Appendix and are located on the sample location map (scale 1:5000). Samples are described and GPS located. All co-ordinates are from UTM Zone 16.

Construction of the access trail was contracted to Dan Patrie Exploration Ltd. and was carried out during the period Aug. 12-21, 2020.

Property Description, Location and Access

The claim group is on the north side of the North-East Arm of O'Sullivan Lake, approximately 37 km. NNW of Nakina, Ont. Access is by road from Nakina to O'Sullivan Lake, then by boat across the lake to North-East Arm. The property consists of five single cell claim units and 8 partial cell boundary units centred approximately around UTM 502000 E 5589000 N Zone 16 in the Maun Lake Area. Total area of the group estimated at 200 hectares. The claim registration #'s are: 313526,191505,144973,294832,306794,268382,218655,153228,203648,174075, 218656,553242, and 105421. Provincial Grid cell #'s are: 42L07L185,186,204,205,206,224,225,244,245. The registered owner of these claims is Whitefish Exploration Ltd., CL # 10003285.

Topography and Drainage

The claim group is situated on relatively high ground between Hurd Lake to the west and the Walkup Creek valley to the east. The group rises gently toward the north from O'Sullivan Lake which touches the southernmost part. Relief is moderate and undulating, reaching a maximum of 15 meters above the level of the lake. The eastern and northeastern quadrants of the property consist of overburden proximal to the Walkup Creek valley- mainly swamp and sand. Outcrop exposure is good- about 30 % - concentrated in the central west and northern quadrants.

Exploration History

The area has been mapped by the Geological Survey of Canada (Wilson and Collins, 1904) and the Ontario Geological Survey (Stott, 1984) as well as early mapping by the Ontario Department of Mines (Hopkins, 1916; Kindle, 1929; Moorehouse, 1955)

Gold and copper were first discovered in the O'Sullivan Lake area in the 1920's, centred on showings on the Osulak Peninsula and northeast of the lake, resulting in a staking rush after WW II, when Osulak Mines started to sink a shaft and carry out underground development. Since that time, several operators have attempted to resurrect the property. The most recent, Mining Corp. of Canada, removed 90,000 tons of 0.33 oz./ ton gold. Since 1950, both gold and base metal exploration has been undertaken throughout the O'Sullivan Lake belt with limited success.

Eight hundred meters west of the property, the New Athona Mines copper-silver-gold occurrence, located 200 m. south-west of Hurd Lake was investigated by means of 9 shallow drill holes in 1955. The showing consists of 2 mineralized fracture zones containing arsenopyrite, chalcopyrite, pyrite, marcasite, accompanied by quartz- sericite, chlorite, and carbonate schists. No strike length was determined.

Immediately north of the claims, an unknown operator drilled 4 holes into what is referred to as the Megan- Hurd gold occurrence. The drill target was a sulfide –rich shear zone in felsic volcanic. Assays up to 14 grams per tonne (gpt) Au. were reported. (Wells, R, 1984-see references). The Warren copper-nickel occurrences, located 0.5 km. north of the property have been the focus of intermittent activity since the 1950's. Historical exploration activity has resulted in significant polymetallic occurrences being discovered-confirming the mineral potential.

Regional Geology

The property is situated within the Kowkash Greenstone Belt, a fairly typical north-east trending greenstone sequence consisting of a mafic to felsic transition, younging to the north, intercalated with intermediate-felsic and chemical metasediments . The interflow sediments are mainly tuffs, tuff breccias and siliceous metasediments, which locally contain copper sulfides with lesser magnetite, arsenopyrite, and gold.

The greenstones are locally intruded by syngenetic and postgenetic tectonic sills and dykes. -gabbro and diabase. Metamorphic grade is generally lower greenschist facies.

Structurally, the Kowkash belt has been faulted in a north-east trending strike-slip fashion, resulting in locally strongly sheared, highly schistose volcanic units. Government airborne geophysics suggest fault offsets of greater than 600 meters, stratabound magnetic highs and indications of cross faulting.

Property Geology

The property is underlain by a north-easterly trending sequence of mafic and felsic volcanic flows and pyroclastics. Occasionally narrow lensoidal or sill-like gabbroic intrusions locally interfinger with the volcanics. Exposures of felsic intrusive quartz -feldspar porphyry (QFP) are commonly found widely dispersed across the property- co-incidentally in close association with mineral enrichment. Locally, these QFP intrusions carry anomalous levels of sulphides – about 2% - as well as gold up to 2 grams per tonne (gpt). Anomalous levels of sulphide mineralization have been observed in all of the major lithologies on the property with the exception of the mafic intrusives. These anomalous sulphide mineralization appear to be co-incident with a wide zone of brecciated felsic and mafic volcanics which transects the property. Mineralization and breccia is probably related to the regional north-east trending Hurd Lake Fault which is located proximal to the claims about 500 meters to the north-east.

Within this zone of anomalous sulphide mineralization, which is dominated by felsic volcanics, there are locally enriched zones carrying up to 10% and higher sulphides including massive sulphides and sericite schists. One of these, located at 5589700 N, 502000 E, is described as mafic and felsic volcanics, chlorite schists, commonly brecciated and intruded by QFP. Within this "fault breccia", the felsic units contain local interbedded cherts and sericite schists. The interbedded mafic

volcanics are highly schistose and rich in carbonate. Less commonly, thick mineralized quartz veins are present.

The mineralized zone is the south-west extension of the previously identified "Discovery" zone located 400 meters to the north-east. (Hodgson, 2019). It has now been exposed intermittently over a width of up to 700 meters and a strike length of 4500 meters extending from the New Athona massive sulphide occurrence south-west of the property to the Warren occurrence (Cu., Ni.) to the north-east.

Mineralization

Locally anomalous background sulphide mineralization (up to 5 %) is present within the "fault breccia" zone- in all three dominant lithologies- felsic volcanic, mafic volcanic, and QFP. A thick (2 meter) mineralized quartz vein system has been traced for 200 meters in the vicinity of 5588900 N 501950 E. It assayed up to 1.3 g.p.t Au. Five hundred meters to the west, at 5589053 N 501436 E, a small exposure of sericite schist assayed 0.8 g.p.t.

The most significant assay from this prospecting program was taken at 5589696 N 501980 E. Gold mineralization up to 1.6 g.p.t was confirmed in samples described as primarily QFP, brecciated, within mafic breccias and chlorite schists- both mineralized locally up to 15% py., strongly carbonated, with large (10 cm) vesicles and small (1-2 cm) angular shaped vugs partially filled with well formed

red/brown quartz crystals. QFP clasts with anomalous sulphides were found in the mafic breccias. This description matches descriptions of mineralized mafic breccias on strike 400 meters to the north-east and serves as a marker for locating and expanding the zone in future prospecting.

Conclusions and Recommendations

The mineralized breccia zone which crosses the property and continues in both directions is highly prospective for gold as well as base metals. Difficult access has enhanced the area as under-prospected. This problem is now partially alleviated by the construction of the access trail into the zone. There are at least 20 known gold occurrences within the zone -on the property and on the surrounding Whitefish claims. (Map 4-Regional Geology; Appendix 10 - List of New and Historical Occurrences). Most of these have been identified by Whitefish personnel in the past few years. Rock samples more than 10 gpt have been identified in several separate locations, including a channel sample of 8.5 gpt across 3 meters in sericitized rhyolite. (Hodgson, 2019, see references). Favourable geology, several unexplained Aerodat VLF-EM conductors, and 1-2 gpt Au in felsic intrusives all further enhance the Whitefish property as an important exploration target for further exploration. An I.P. geophysical and soil geochemical surveys and follow-up drilling is recommended over the entire sulphide enrichment zone.

References

- -Hodgson, R., 2017, Technical Report on the Hodgson Claims, Maun Lake Area. AFRO # 2.58421
- -Hodgson, R., 2019, Technical Report on the 2019 Prospecting and Geochemical Sampling Survey on the Discovery Claims, Maun Lake Area. EMDM Assessment Files.
- -Nelson, Cullen, 2005, Clark Exploration Consulting Report on the Aurum Property for Superior Canadian Resources Inc. AFRO file # 2.30942
- -Parker, J.R. and Stott, G.M., 1998, Precambrian Geology of the O'Sullivan Lake Area, OGS Map P 3377.
- -Smith, M., 1991, Technical Report on the Hurd Lake Property, O'Sullivan Lake Area, AFRO file # 63.6249.
- -Wells, R.C., 1984, Report on the Culhane Property for Lacana Mining Corp. MNDM Assessment file # 42L07NW0007.

Statement of Qualifications

I, Rand Hodgson, of 287 Swanston Ave., Peterborough, Ont., do hereby state:

1) That I have been a consulting geologist practicing my profession from the above address since 2016, and have been actively engaged in mineral exploration since 1977.

2) That I hold a B.Sc. (Earth Science) from the University of Waterloo (1977)

3) That I am the author of the report and that I personally supervised and carried out the field program.

4) That the data contained in this report is true to the best of my knowledge.

Signed, Rand Hodgson, B.Sc., B.Ed.,

December, 2020.

Appendix I – Sample Locations and Descriptions- NTS Zone 16 Co-ordinates

```
R-01- 5588630 N 501380 E- small quartz vein, minor pyrite.
R-02- 5589053 N 501436 E- quartz-sericite schist, pyrite
R-03-
R-04- 5588886 N 501912 E- quartz carbonate vein-40 cm. thick-2% py.,
R-05-
                              cpy.,tourmaline,host rhyolite with quartz
R-06-
                             veinlets, up to 10% py.
R-07-
R-08-
R-09-
R-10-
R-11- 5588707 N 501864 E- quartz sericite schist,py.
R-12- 5588878 N 501902 E - quartz with cpy. blebs-less than 5 %
R-13-
R-14- 5588902 N 501911 E- sericitic rhyolite, 2% pyrite.
R-15-
R-16-
R-17- 5588832 N 501939 E- rhyolite flow, 2% pyrite.
R-18-
R-19- 5589978 N 502222 E – Lost Gossan channel sample -8 samples across
R-20-
                              2.5 meters- sericite schist in felsic
R-21-
                             volcanic, locally massive pyrite, sericite.
R-22-
R-23-
R-24-
               "
R-25-
R-26-
R-27- 5589978 N 502192 E- felsic volcanic, minor pyrite, sericite.
R-28- 5589267 N 501611 E- float-mafic volcanic, minor pyrite.
```

Sample Locations continued

```
R-29- 5589299 N 501615 E- quartz vein, 20 cm. thick.
R-30-
                          - sericite schist
R-31- 5589643 N 501988 E- QFP, 2% pyrite blebs.
R-32-
R-33-
               "
                                      "
R-34-
R-35-
R-36- 5589696 N 501980 E – QFP brecciated with mafic schists, 10% py.
R-37-
                             with vesicles, vugs with quartz crystals.
R-38-
                                            "
               "
R-39-
```

Appendix- II - Daily Report of Work

```
-July 12- travel to Peterborough- 1 man
-July 13- mobilization- 1 man
-July 14- travel to Hearst- 2 men
-July 15- mob./supplies - 2 men
-July 16- prospecting on claims- 2 men
-July 17-
-July 18-
-July 19-
-July 20-
-July 21-
-July 22-
-July 23- travel to Sault St. Marie
- July 24- travel to Ottawa.
-Aug. 29- travel to Peterborough -1 man
-Aug. 30- mobilization- 1 man
-Aug. 31- travel to Hearst -2 men
-Sept. 1- mob./supplies
-Sept. 2- prospecting on claims- 2 men
-Sept. 3-
-Sept. 4-
-Sept. 5-
-Sept. 6- rain-
-Sept. 9- submit assays, travel to Peterborough
-Sept. 10- travel to Ottawa-1 man
```

Quality Analysis ...



Innovative Technologies

Report No.: A20-08129
Report Date: 30-Jul-20
Date Submitted: 23-Jul-20

Your Reference:

Whitefish Exploration 287 Swanston Avenue Peterborough ON Canada

ATTN: Rand Hodgson

CERTIFICATE OF ANALYSIS

27 Rock samples were submitted for analysis.

The following analytical package(s) were requested:			Testing Date:	
I	1A2-50-Geraldton	QOP AA-Au (Au - Fire Assay AA)	2020-07-29 16:42:46	
ſ	1A3-50-Geraldton	QOP AA-Au (Au - Fire Assay Gravimetric)	2020-07-30 11:49:50	

REPORT **A20-08129**

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Notes:

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

CERTIFIED BY:

Elitsa Hrischeva, Ph.D. Quality Control Coordinator

ACTIVATION LABORATORIES LTD.

801 Main Street, P.O. Box 999, Geraldton, Ontario, Canada, P0T 1M0 TELEPHONE +807 854-2020 or +1.888.228.5227 FAX +1.905.648.9613 E-MAIL Geraldton@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

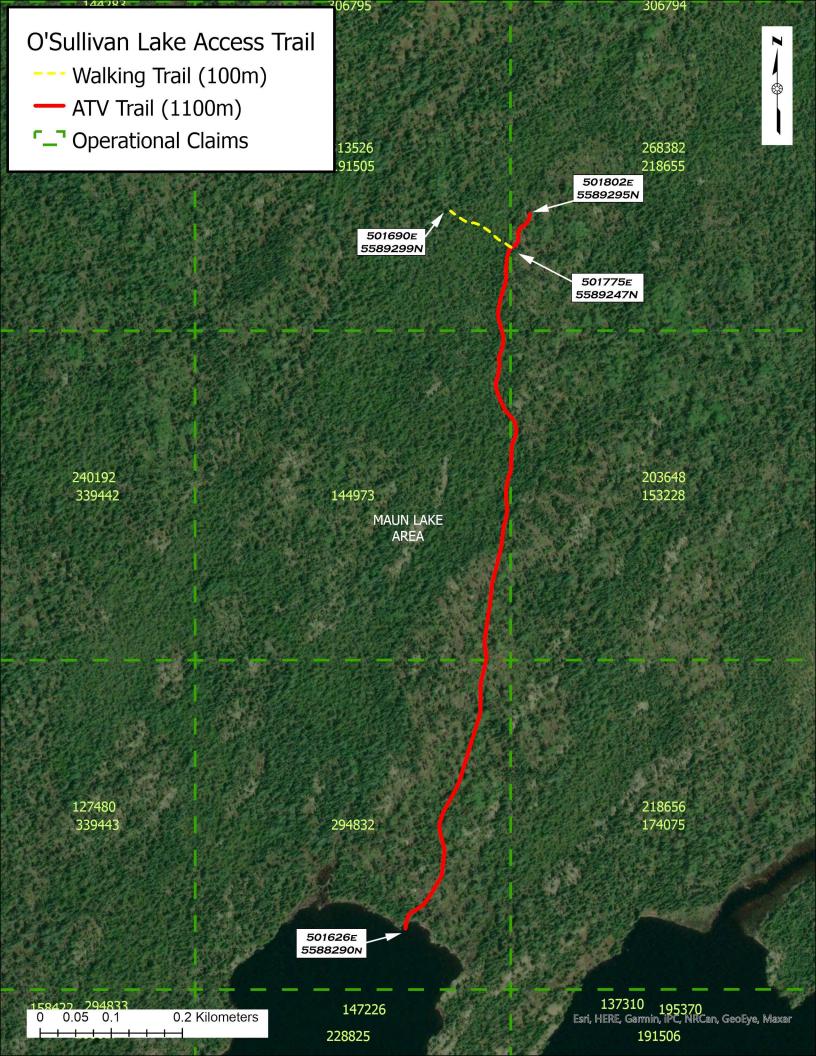
	_	
Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.02
Method Code	FA-AA	FA- GRA
R1	11	
R2	807	
R3	738	
R4	46	
R5	38	
R6	108	
R7	246	
R8	43	
R9	222	
R10	253	
R11	17	
R12	1150	
R13	1280	
R14	134	
R15	18	
R16	59	
R17	21	
R18	16	
R19	2240	
R20	> 5000	5.91
R21	42	
R22	393	
R23	482	
R24	49	
R25	169	
R26	136	
R27	5	

QC

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.02
Method Code	FA-AA	FA- GRA
OREAS 254 Fire Assay Meas		2.52
OREAS 254 Fire Assay Cert		2.55
OREAS 229 (Fire Assay) Meas		12.1
OREAS 229 (Fire Assay) Cert		12.1
OREAS 217 (Fire Assay) Meas	328	
OREAS 217 (Fire Assay) Cert	338	
Oreas 237 (fire Assay) Meas	2240	
Oreas 237 (fire Assay) Cert	2210	
R10 Orig	261	
R10 Dup	244	
R20 Orig	> 5000	
R20 Dup	> 5000	
Method Blank	< 5	
Method Blank	< 5	
Method Blank		< 0.02

Report Number: A20-10733	
Report Date: 11/9/2020	
Analyte Symbol	Au
Unit Symbol	ppb
Detection Limit	5
Analysis Method	FA-AA
28	< 5
29	5
30	8
31	15
32	16
33	10
34	< 5
35	15
36	147
37	297
38	1570
39	225

Report Number: A20-10733	
Report Date: 11/9/2020	
Analyte Symbol	Au
Unit Symbol	ppb
Detection Limit	5
Analysis Method	FA-AA
OREAS 254 Fire Assay Meas	2540
OREAS 254 Fire Assay Cert	2550
OREAS 254 Fire Assay Meas	2690
OREAS 254 Fire Assay Cert	2550
OREAS 217 (Fire Assay) Meas	350
OREAS 217 (Fire Assay) Cert	338
OREAS 217 (Fire Assay) Meas	329
OREAS 217 (Fire Assay) Cert	338
Method Blank	5
Method Blank	< 5





Appendix VII – Access Trail Photo 1



Appendix VII – Access Trail Photo 2

Maun Property Historical Occurrences

<u>Name</u>	Au gpt	Sampled by	Comment
New Athona	55.0	WFE	1955 drilling-0.44% Cu. across 16 m. in rhyolite, breccia, porphyry.
Croteau	2.33	WFE	50 cm. qv in sericite schist, As.,
			In mafic volcanic, fault breccia.
Megan	14.7	Lacana	Shear zone in breccia, porphyry.
Amax	10.0	Amax	N-S shear zone in mafic volcanic.
Warren	n/a	Tombill	1%Cu,0.7% Ni. across 2 m. in oxidized
			shear zone 7 m. thick.

Maun Property: New Occurrences 2017-2020

<u>Location</u>	Au g.p.t.	comment
501431E 5588337N	4.31	Sociaita 50/ pyrita in ablarita achiet
		Sericite, 5% pyrite in chlorite schist
501983E 5588902N	0.89	Sericite,2% pyrite in rhyolite
501431E 5588337N	1.4	Chlorite schist
501980E 5589958N	2.1	quartz-feldspar porphyry 2% pyrite
502019E 5589950N	1.0	quartz-feldspar porphyry, 2% pyrite
502272E 5589797N	2.33	qv in fault breccia, massive arsenopyrite.
502116E 5590028N	23.18	Sericite schist in rhyolite,chert, fault breccia
502113E 5590028N	32.10	Sericite schist in fault breccia,5-10% pyrite.
502155E 5590023N	0.7	Mafic fault breccia, carbonate, 10% pyrite
502155E 5590023N	1.38	Quartz in mafic fault breccia, pyrite
502169E 5590006N	8.83	Massive ser, py, schist in breccia-3 m. gossan
502225E 5589975N	6.0	Ser. schist, semi-massive py., open under sand
501050E 5588200N ?	4.0	massive pyrrhotite - not located by GPS
501980E 5589675N	1.6	mixed porphyry and mafic breccia, 10 % py.
501436E 5589053N	0.8	felsic sericite schist - not on main map
501902E 5588878N	1.3	40 cm.qv, sed.,debris flow? Cpy- not on map
502116E 5590028 N	8.5	Across 3 meters- channel sample

<u>Comments</u>- Property currently contains approximately 25 separate and distinct anomalous Au. occurrences more than 1.0 gpt up to 55 gpt. Multiple gossans identified on a preliminary basis.

New mineralized gold bearing fault breccia identified. Dimensions 4000 m length.x 500 m width. Covers entire length of property.

Map 1 - Location Map.

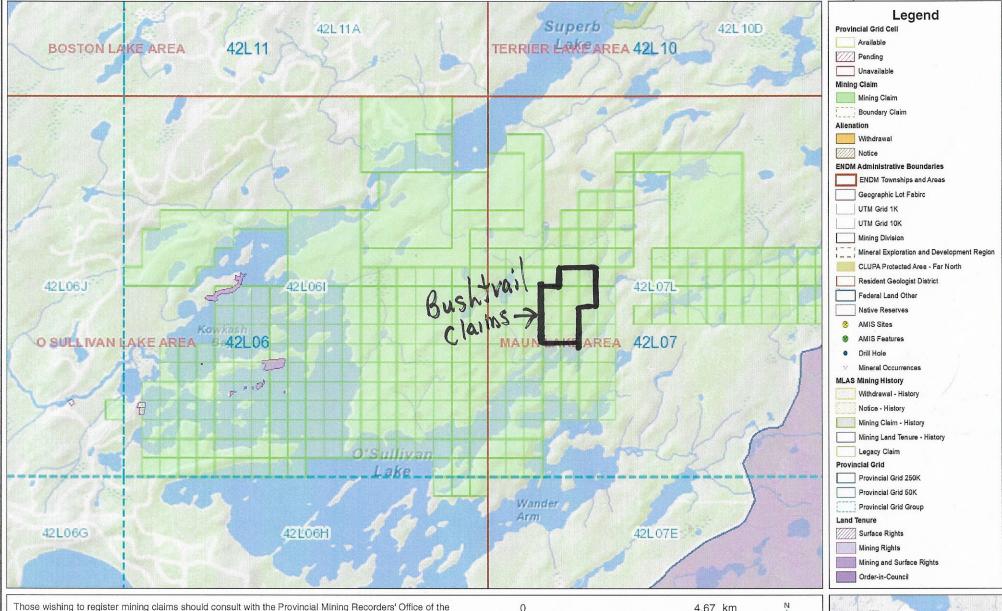




MINISTRY OF ENERGY, NORTHERN DEVELOPMENT AND MINES MLAS Map Viewer

WFE - Detailed Location Map

Notes: Map (2)



Those wishing to register mining claims should consult with the Provincial Mining Recorders' Office of the Ministry of Energy, Northern Development and Mines for additional information on the status of the lands shown hereon. This map is not intended for navigational, survey, or land title determination purposes as the information shown on this map is compiled from various sources. Completeness and accuracy are not guaranteed. Additional information may also be obtained through the local Land Titles or Registry Office, or the Ministry of Natural Resources and Forestry. The information shown is derived from digital data available in the Provincial Mining Recorders' Office at the time of downloading from the Ministry of Energy, Northern Development and Mines web site.

O 4.67 km

Projection: Web Mercator

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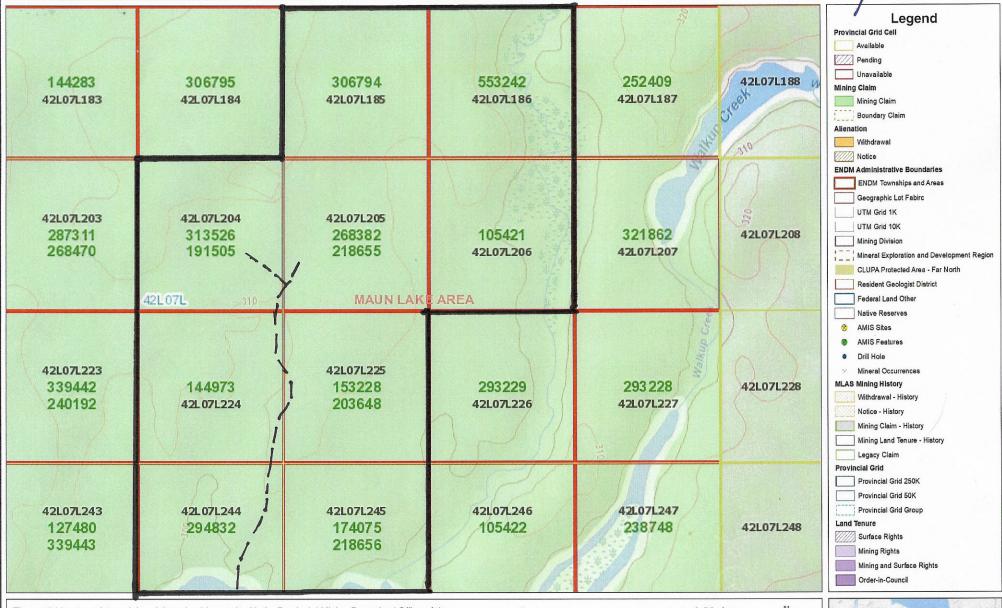
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MINISTRY OF ENERGY, NORTHERN DEVELOPMENT AND MINES MLAS Map Viewer WFE - Bush Road Group-Claim Map Notes:

May (3)



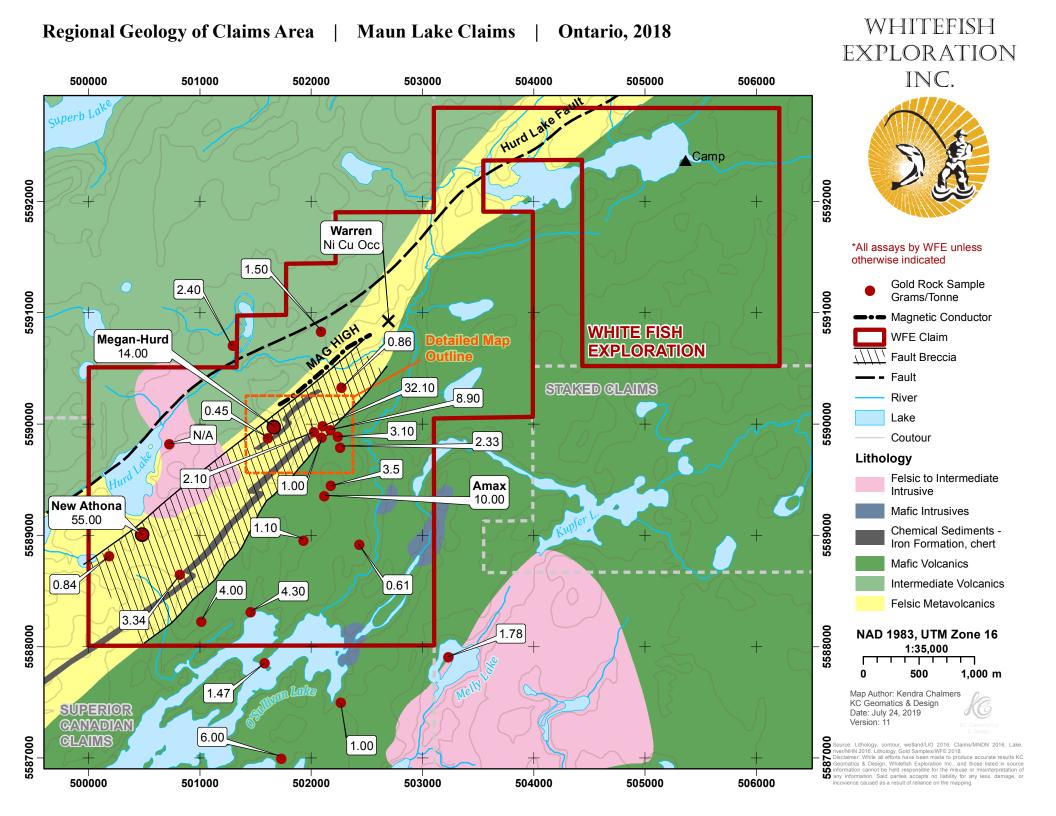
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0 0.58 km Projection: Web Mercator

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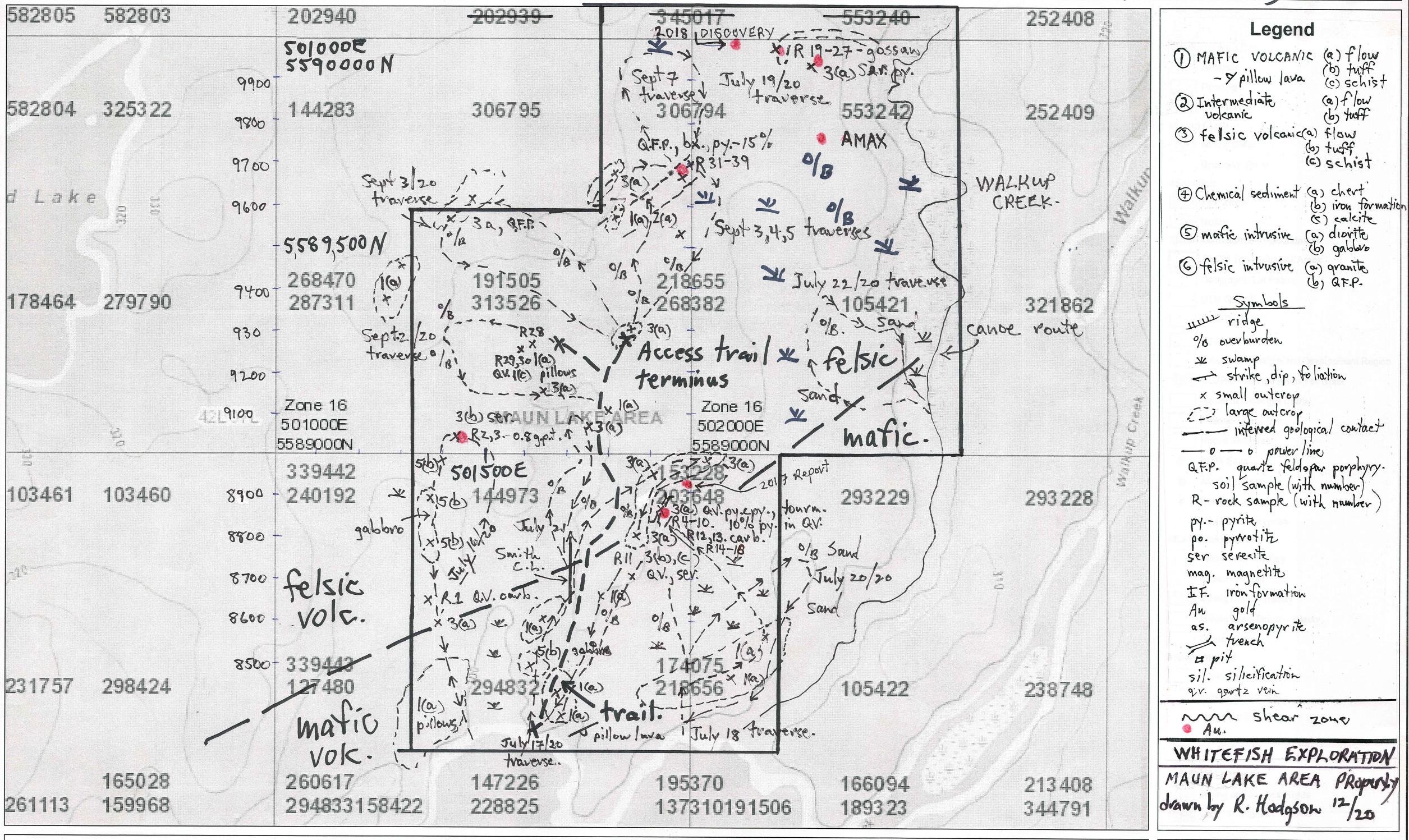


Ontario 😚

MINISTRY OF ENERGY, NORTHERN DEVELOPMENT AND MINES MLAS Map Viewer

WFE Maun Bush Trail Claim Group Scale 1:5000

Notes:
Geology, Prospecting, Sample Locations
(ROLAND GROUP)



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O 0.65 km
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