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2016 PROSPECTING AND SAMPLING ASSESSMENT REPORT

ON CLAIM 4272645

LOCATED IN PRISKE TOWNSHIP

THUNDER BAY, MINING DIVISION

FOR

FOR FIRST MINERALS EXPLORATION LTD

Philip Escher
October 18, 2016

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Introduction

The area covered in this report is part of a land package held by First Minerals Exploration Ltd.. The land package currently consists of 240 claim units covering an area of approximately 3840 hectares in the township of Priske, Thunder Bay Mining Division. This assessment report covers the prospecting and sampling work that was carried out on mining claim 4272645 between June 26 and 28, 2016.

Property, Location, Access

Mining claim 4272645 is a single unit unpatented mining claim owned 100% by First Minerals Exploration Ltd. The claim is located approximately 4 kilometers northeast of the town of Schreiber in Priske Township within the Thunder Bay Mining Division. The claim is centered on UTM 482175E 5409651N (Nad 83; Z16).

The claim can be accessed via an ATV trail that extends north and east off Peary Street in Schreiber.

Table 1: Claim Status

Claim Number	Claim Units	Area (hectares)	Recording date	Work due	Expiry Date
4272645	1	16	June 7, 2013	$400	October 31, 2016

Figure 1. Location Map

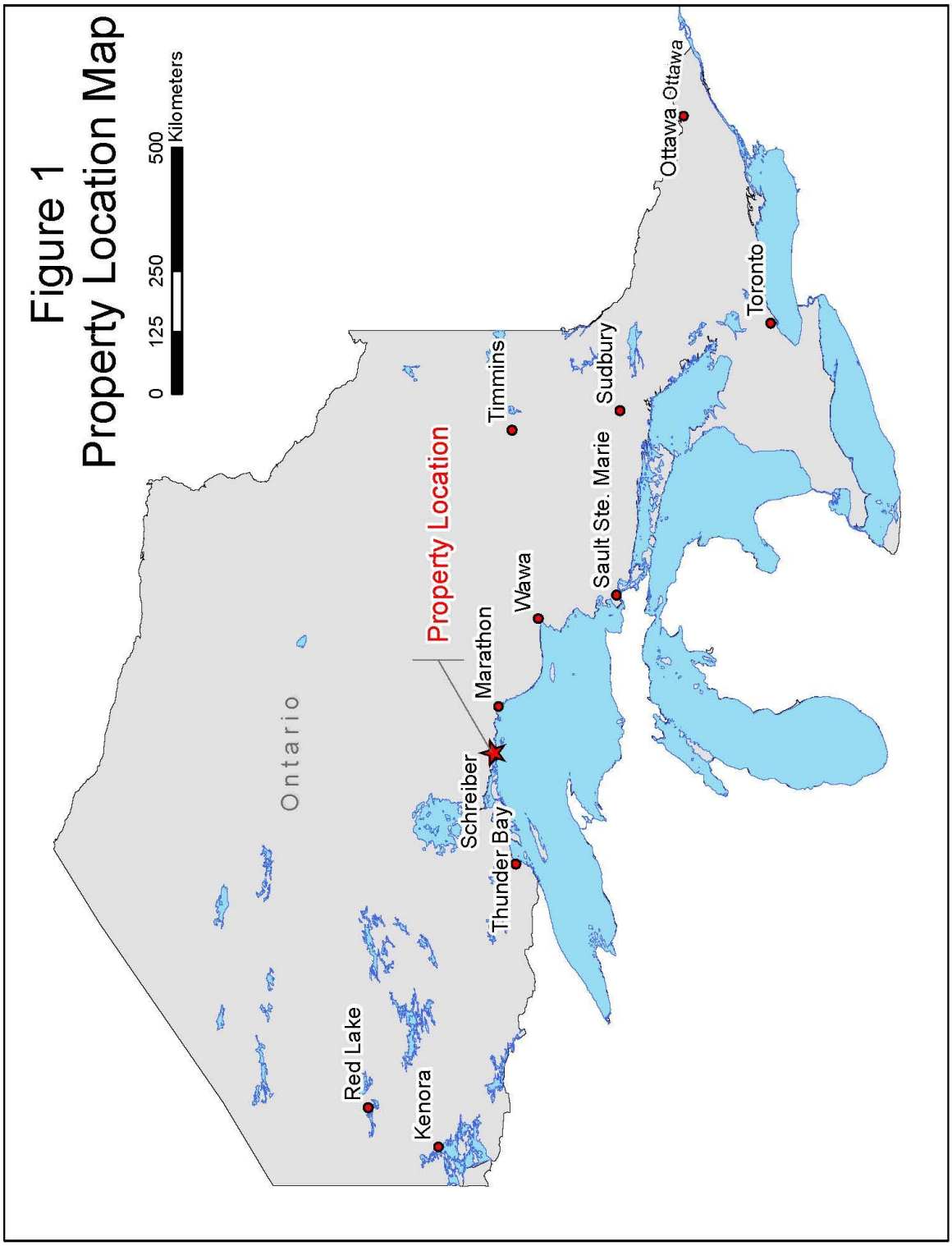
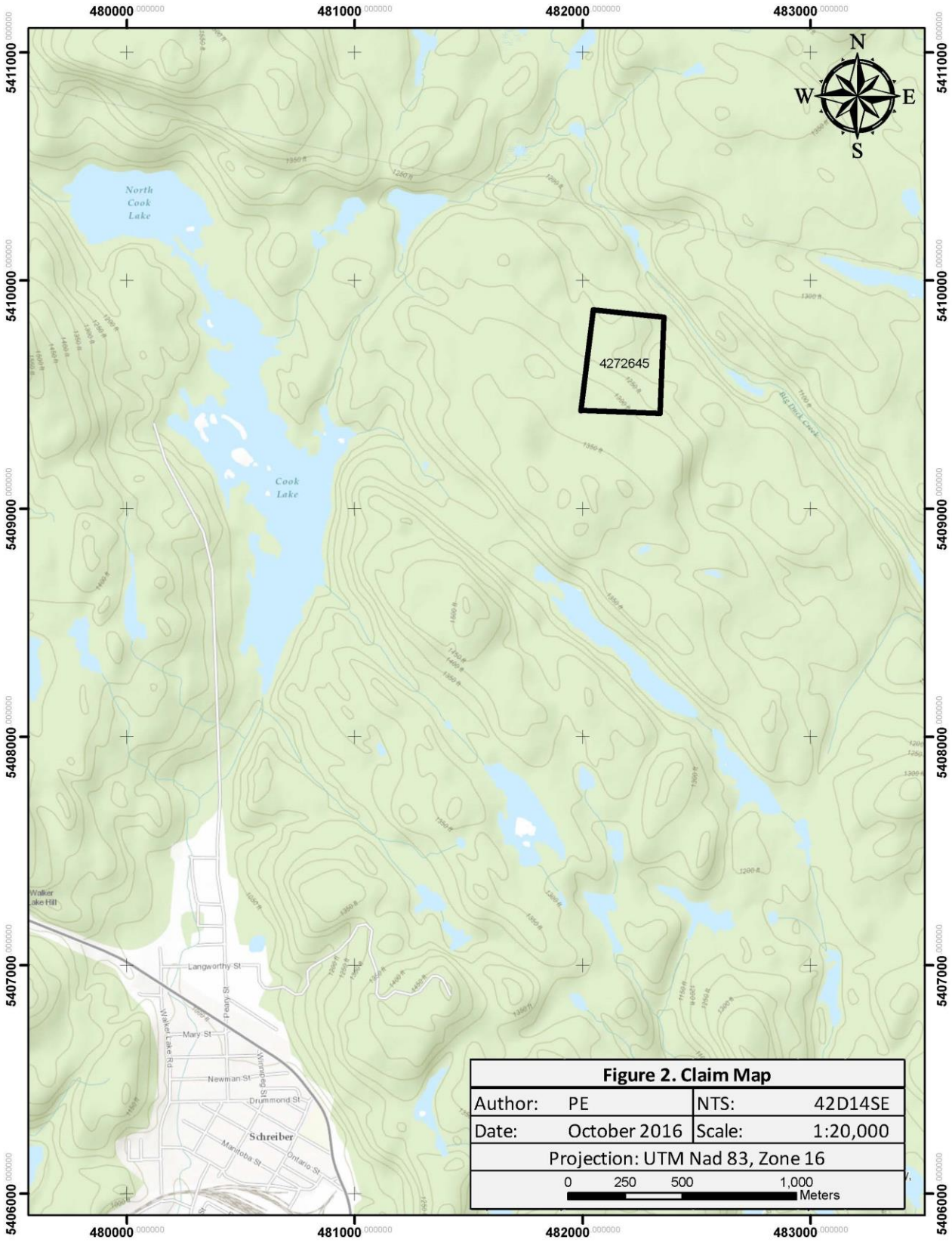


Figure 2. Claim Map



Exploration History

No assessment files were found on record with the Ministry of Northern Development and Mines.

Schnieders et al. (1996) describe the history as follows:

1921 *Rich veins discoveries southeast of Cook Lake were first reported.*

1934 *Claims TB 13126 to 13129 and 13176 staked by D.E. Johnston (TB 13126, 13127 staked for D.T. McCann).*

L. Johnston staked 3 claims (TB 13178, 13179 and 18889) and immediately transferred them to E.J. McKenna (TB13178, 13179) and D.E. Johnston (TB18889).

E.J. McKenna staked TB 13177.

Nine claims in total comprised the Johnston-McKenna property.

1936 *Cook Lake Gold Mines Limited was incorporated to develop the Johnston-McKenna property.*

Claims formerly held by the Johnstons were transferred, via C.H. Greet, to A.L. Kemp (Mining Manager, Cook Lake Gold Mines Limited).

Construction of a summer road from Schreiber, camp buildings and a mining plant were completed.

The tunnel on TB 13179 was excavated for 125 m and 61 m of drifting was completed on quartz veins.

Considerable surface trenching was carried out.

1937 *Buildings on the property include a cookhouse, bunk house, office, power house, blacksmith shed, store house, stable and powder magazine.*

A tunnel or adit was initiated in December 1936 to intersect the No. 4 vein beneath a high grade location. In addition, 23 m of drifting was carried out. The No. 4 or Main vein was interpreted as occupying a tight fault, striking NW, with small gush veins striking in a northwest-southwest direction.

A two compartment 1.8 m x 3.35 m vertical shaft was sunk to a depth of 3.6 m by hand steel.

A 32-ton bulk sample representing composite material from the Johnston-McKenna and McKenna McCann properties was mined and shipped to the Little Longlac Mine Co. treatment. The 32 ton sample yielded 0.82 ounce per ton Au.

By March, 1937 the No. 1 adit was driven 88.4 m intersecting the No. 4 vein at 79.2 m. Plans indicated a 15 m continuation of the adit.

Work was discontinued and the equipment was transferred to the McKenna-McCann property.

1940 *Seventeen claims of the Johnston-McKenna and McKenna-McCann groups were cancelled.*

G. and F.A. Papineau restaked TB 12883 to 12886, 12881, 12878, 12879, 13126 and 13127 as TB 28131, 28234, 28233, 28230, 28130, 28127, 28128, 28232, and 28231, respectively.

Unspecified work was carried out.

1946 *Claims TB 28231 and 28232 were transferred to D.T. McCann; survey filed, patent granted. D.T. McCann restaked TB 13128 as TB 35349.*

1947 *All unpatented claims were cancelled.*

1947-1950 *Unspecified work was carried out.*

1951 *Survey filed--claim TB 35349 patented.*

Claims TB 28230, 28233, 28234, 12883 and 18889 were restaked by R. Riley as TB42118, 42119, 42122, 42120 and 42121. All interest was transferred to R.E.Cavendish.

1953 *Cavendish's claims lapsed.*

1958 *G. Pederson restaked claims TB 28233 and 28234 as TB 91399 and 91400; H. Rivest restaked claims TB 42118 and 42120 as TB90220 and 90221. No work was reported and both sets were cancelled in 1959.*

Patented claims TB 28231, 28232 and 35849 were transferred from T. McCann to Mina Nova Mines Limited (incorporated in 1951).

1959 *Mina-Nova Mines Limited acquired a 13-claim property comprising the 3 (above) patented claims and 10 unpatented claims, including claims TB 91519 to 91521 which were part of the original Cook Lake Gold Mines Limited property.*

Broadhurst (1959) of Mina-Nova Mines discussed 3 veins on claim TB 28231, 13127, including the Main vein, and southwest veins. These veins are not interpreted as being the location of the No. 1 to No. 4 veins of Cook Lake Gold Mines Limited, however are likely the No. 5, 6 and 7 veins and possibly the extension of the Johnston-McKenna veins.

P.S. Broadhurst, consulting geologist, recommended an exploration program but none was implemented.

Limited amount of diamond drilling was recorded.

1960 *Claims lapsed.*

1959 *Mina-Nova Mines Limited optioned the property to Promistora Gold Mines Limited (incorporated 1949; P.J. Sullivan, President).*

1965 *Promistora Gold Mines Limited optioned the property to Patrick J. Sullivan.*

Bar Manitou Mines Limited (incorporated 1950) obtained an option to acquire patented claims TB 28231, 28232 and 35349 from P.J. Sullivan on the understanding that the option be exercised before August 1966.

J.A. Hansberger, consulting geologist, recommended an extensive exploration program but no actual work was recorded.

1968 *Seven claims (TB 90220, 90221, 90216, 90521, 91519, 13177) were staked as TB 138895 to 138898 and 138908 to 138911 by R.W. Pitkanen.*

1969 *Twenty assessment days of diamond drilling was completed on each claim. Property was optioned to Heinrich Janssen.*

1969-1970 *Patented claim TB 35349 was transferred to H. Janssen and claims TB 28231 and 28132 were transferred to c. Lonergar who then transferred them to H. and F. Greenfield, Birmingham, Michigan in 1970.*

1970 *Pitkanen's claims lapsed.*

1984 *R. Mikkonen and T. Patterson of Pat Mikko Resources optioned the patented claims (TB 13128, 13127 and 13126). Minor stripping, trenching and sampling was carried out.*

1985 *Pat Mikko Resources conducted stripping trenching, sampling, site development and mill development on the property.*

1991 *Line cutting, stripping, trenching and sampling was conducted by Pat Mikko Resources.*

Regional Geology

The property is located in the western portion of the Archean-age Schreiber-Hemlo Greenstone Belt within the Wawa Subprovince of the Southern Superior Structural Province. The area has originally been mapped by Hopkins (1921) and more recently by Carter (1988). Carter (1988) describes the regional geology of the belt as follows:

The Archean rocks of the Wawa Subprovince are predominantly subaqueous mafic tholeiitic metavolcanics which overlie a less voluminous, predominantly calc-alkalic sequence, both of which are interlayered with minor clastic and chemic metasediments. Two volcanic cycles are present separated by a marker horizon of sulphide-facies ironstone. The lower cycle exceeds 2.3 km in thickness and underlies the southern margin of the (Schreiber) map area, south of Highway 17. It consists of interlayered tholeiitic basalts and calc-alkalic andesite and dacite and tholeiitic or calc-alkalic rhyolite. The upper cycle is in excess of 12 km thick and underlies much of the northern part of the (Schreiber) map-area north of Highway 17. The upper cycle consists predominantly of tholeiitic basalt with subordinate calc-alkalic andesite and dacite, and tholeiitic or calc-alkalic rhyolite. These rocks are folded about an east-southeast trending synclinal axis which plunges to the east-southeast. Wawa Subprovince metavolcanic rocks are overlain, in the northeast of the map-area by metawackes and meta-arenites of the Quetico Subprovince, which are tightly folded along east-west axes. Both subprovinces are intruded by gabbroic rocks, an ultramafic intrusion, granitic batholiths and Archean to Proterozoic diabase dikes following three trends. The grade of metamorphism increases from greenschist facies in the south to amphibolite facies in the north and has affected the metavolcanics, metasediments and mafic intrusions. Contact metamorphism, to pyroxene-hornfels rank, has been superimposed on the greenschist facies by the Terrace Bay Batholith. A pervasive foliation characterizes most of the rocks of both subprovinces, the foliation being parallel to the primary layering in the rocks.

Proterozoic rocks include remnants of Animikie Group clastic and chemical sediments, which outcrop along the north shore of Lake Superior in the southwestern part of the area. Archean to Proterozoic rocks comprise narrow diabase dikes which cut all the Archean rocks, and diabase sills which intrude the Proterozoic Animikie Group. The sills are Proterozoic in age (Logan sills) and some of the dikes may be of this age.

Cenozoic rocks comprise Pleistocene morainal, glaciofluvial and glaciolacustrine sands and gravels and recent alluvial deposits.

Faults trending northwesterly, northeasterly and northerly are a characteristic feature of the map-area. A strong vertical component to movement on the faults is interpreted to explain the preservation of supracrustal rocks in the eastern part of the map area.

Mineral deposits comprise precious metal (gold and silver) veins in fractures, and shears associated with the mafic metavolcanic rocks, and the granitic rocks; molybdenum-copper vein deposits associated with the border zones of the granitic batholiths; nickel-copper deposits associated with a gabbro intrusion; and polymetallic base-metal copper-lead-zinc-silver occurrences associated with clastic and chemical interflow metasediments.

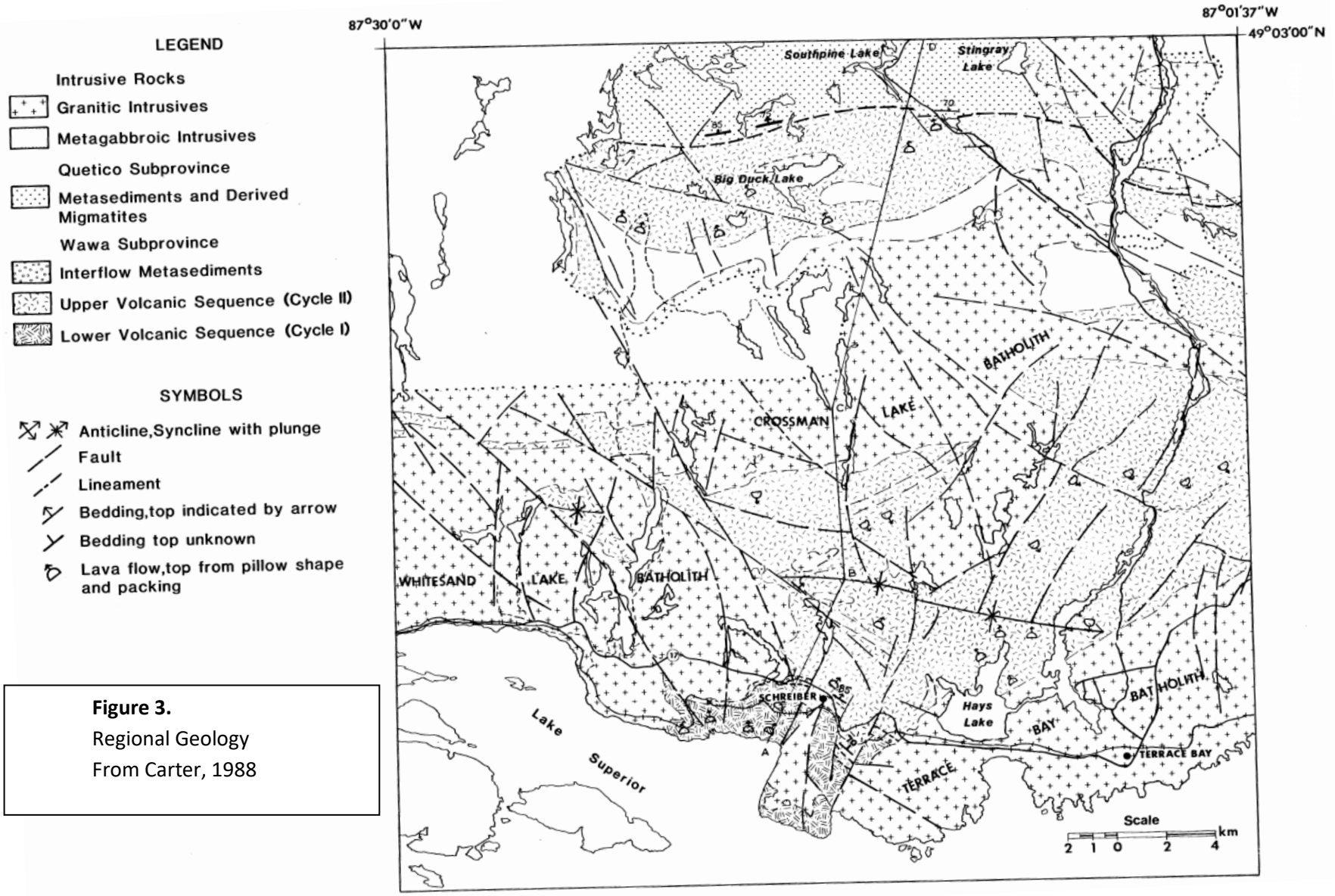


Figure 3.
Regional Geology
From Carter, 1988

2016 Prospecting and Sampling Program

A small prospecting and sampling program was carried out by the author on June 26 to 28,2016 with the goal to relocate and sample historical trenches and an adit. No work has been done on the property since the early 1990s.

Three trenches and one adit were located during program. A total of 28 samples were taken for gold analysis. Samples preparation and analysis was completed at Actlabs in Thunder Bay. All samples were crushed, split and pulverized using Actlabs RX1 preparation package. The samples were then assayed for gold by fire assay with an atomic absorption finish using the labs 1A2 code. Two (2) samples with greater than 5g/t Au were reanalyzed with a gravimetric finish using code 1A3.

Significant gold assay results were returned from the No.4 vein. These include:

- Grab Sample K006931 with 27.4g/t Au from a weakly strained mafic metavolcanic rock containing serval quartz veinlets from the hanging wall of the No.4 vein; and
- Grab sample K006934 with 137g/t Au from a selective grab sample of the No.4 vein

Sample locations are provided on Map 1 and 2 and sample descriptions in Appendix 1. Assay certificates are attached as appendix 2.

Conclusions and Recommendations

The program was successful in location several historical trenches and an adit that intersects the No.4 vein at a depth of approximately 15 meters. All of the trenches were slumped and overgrown with vegetation. The best gold value obtained was 137 g/t from the No.4 vein. A program of mechanical stripping and washing and systematic channel sampling of the mineralized veins is recommended.

References

Carter, M. W. 1988, Geology of the Schreiber-Terrace Bay Area, District of Thunder Bay; Ontario Geological Survey Open File Report 5692

Hopkins, P. E. 1921, Schreiber- Duck Lake, Ontario Department of Mines Annual Report 1921, Vol30, part 4, pages 1-26

Schnieders, B. R., Smyk, M.C., Speed, A. A. and MacKayD. B.1996, Mineral Occurrences in the Nipigon-Marathon area, Volumes l Se. 2,
Ontario Geological Survey, Open File Report 5951, 912 p.

Appendix l

Sample ID	UTM (Nad 83, Z16) East	UTM (Nad 83, Z16) North	Elevation	Sample Type	Description	Au_ppb_FA-AA	Au_Grav_ppm
K006924	482173	5409642	374 m	Grab	3cm wide white qv. Hosted within med grained metagabbro. Loc 1-2% sulfides. Feox on whd surf. 190°/70°W	< 5	
K006925	482171	5409643	374 m	Grab	Massive, medium grained gabbro. 0.5% sulfides. With serveral qtz veinlets	17	
K006926	482339	5409724	355 m	Grab	dark green, very fine grained mafic volcanic with 2-3% diss sulfides	123	
K006927	482322	5409771	352 m	Grab	Brecciated white quartz vein. Contains angular fragments of host rock. Trace sulfides. Trends ~140°/60°SW (sample from SE-side of old trench.	304	
K006928	482318	5409773	354 m	Chip	40cm chip sample from footwall-side of 15-20cm Quartz vein. Mafic volcanic	401	
K006929	482318	5409773	354 m	Chip	15cm chip sample of quartz vein material	5	
K006930	482318	5409773	354 m	Chip	40cm wide chip sample on hanging wall-side of vein. Mafic volcanic	12	
K006931	482281	5409796	359 m	Grab	wk foliated metavolcanic. Several qtz veinlets. 0.5% sulfides	> 5000	27.4
K006932	482283	5409795	360 m	Grab	quartz vein. Minor chloritic seams. Barren	86	
K006933	482290	5409793	355 m	Chip	50cm chip sample of EW-trending qv. Barren quartz	248	
K006934	482294	5409796	357 m	Grab	selective grab sample of quartz vein. No sulfides. VG	> 5000	137
K006935	482294	5409796	357 m	Chip	1m chip sample of quartz vein	321	
K006936	482294	5409797	357 m	Grab	silicified mafic volcanic.	129	
K006937	482324	5409595		Grab	silicified metavolcanic. 0.5% sulfides diss. Several mm-scale calcite veinl	< 5	
K006938	482341	5409761	352 m	Grab	silicified metavolcanic. 0.5% sulfides diss. Several mm-scale calcite veinl	38	
K006939	482337	5409915	334 m		fg, greenish grey metavolcanic. Several small quartz calcite veinlets. 1% disseminated sulfides. Material from rock dump outside adit area	55	
K006940	482325	5409899	322 m		quartz-calcite vein material with abundant brecciated fragments. Locally 0.5% sulfides. Material from rock dump outside adit area	152	

K006941		482315	5409755	qv, subcrop or possibly large boulder(?) in creek bank. . Minor chloritic seams. Trace sulfides. generally white and barren.	4620
K006942		482311	5409767 351 m	10cm wide qv. Abundant carb on whd surf and fractures. Sample from NW-side of old trench	11
K006943		482311	5409767 351 m	wallrock.Altered metavolcanic. Moderate carb	16
K006944		482301	5409740 352 m	altered mafic volc. Locally brecciated and sealed by qtz. 3-% sulfides. Moderate carb and feox on whd surface	39
K006945	Adit			dark green to grey, mafic volcanic 2-3% sulfides . Some minor qtz/calcite veinlets	43
K006946	Adit			quartz/calcite vein material with ~10-15% host rock material. Trace sulfides	77
K006947	Adit			Sample of quartz vein material with 30-40 wallrock material. Trace sulfides. Quartz is white in color an barren	61
K006948	Adit			vfg mafic volcanic with abundant mm-scale qtz veinlets. 1% sulfides diss. From footwall side of qv	178
K006949	Adit			vfg mafic volcanic, massive. Silicified. Minor k-spar alteration. Trace sulfides. Sample from hanging wall side of qv (K006847)	29
K006950	Adit			medium grained gabbro. Massive. Dark green. 0.3-0.5% sulfides	14
K006958	Adit			composite sample of quartz vein material.	350

Appendix ll

Quality Analysis ... *Innovative Technologies*

Date Submitted: 08-Jul-16
Invoice No.: A16-06470
Invoice Date: 22-Jul-16
Your Reference:

Pathfinder Exploration Services
75
Waljker Rd, South
Neebing Ontario
Canada

ATTN: Phil E

CERTIFICATE OF ANALYSIS

28 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 **A16-06470**

Notes:

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

CERTIFIED BY:

Emmanuel Eseme , 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	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA-GRA
K006924	< 5	
K006925	17	
K006926	123	
K006927	304	
K006928	401	
K006929	5	
K006930	12	
K006931	> 5000	27.4
K006932	86	
K006933	248	
K006934	> 5000	137
K006935	321	
K006936	129	
K006937	< 5	
K006938	38	
K006939	55	
K006940	152	
K006941	4620	
K006942	11	
K006943	16	
K006944	39	
K006945	43	
K006946	77	
K006947	61	
K006948	178	
K006949	29	
K006950	14	
K006958	350	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA-GRA
OXN117 Meas		7.43
OXN117 Cert		7.679
OxK119 Meas		3.59
OxK119 Cert		3.604
SF85 Meas	844	
SF85 Cert	848	
OxD128 Meas	429	
OxD128 Cert	424.000	
OxD128 Meas	432	
OxD128 Cert	424.000	
K006931 Orig		28.1
K006931 Dup		26.8
K006933 Orig	222	
K006933 Dup	273	
K006934 Orig	> 5000	
K006934 Dup	> 5000	
K006943 Orig	15	
K006943 Dup	16	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank		< 0.03

482000.000000 482100.000000 482200.000000 482300.000000

5409900.000000 5409800.000000 5409700.000000 5409600.000000 5409500.000000 5409400.000000

N W E S

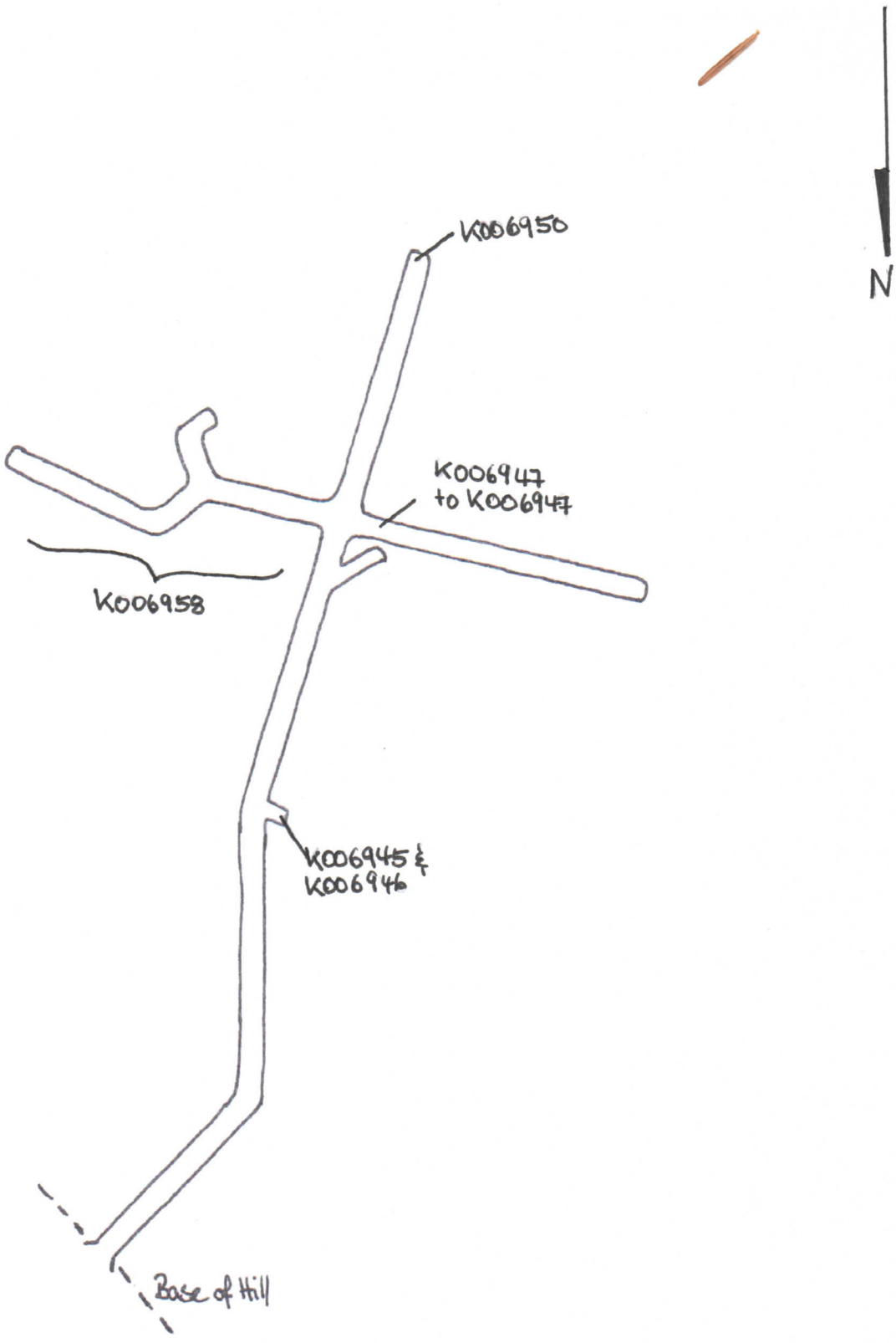
K006939
K006940
K006932
K006935
K006936
K006934
K00693158
K006933
K006930
60
K006942
K006943
K006938
K006941
K006944
K006926
K006925
K006924
4272645
K006937

Legend

- Sample Locations
- Quartz Vein
- Adit
- Waste Rock Pile

Map 1	
Author: PE	NTS: 42D14SE
Date: October 2016	Scale: 1:1,000
Projection: UTM Nad 83, Zone 16	

0 12.5 25 50 Meters



Map 2
Adit Sample Locations

1cm = 8m