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**Assessment Report on Prospecting and bedrock outcrop and Sampling**

**On Quartz lake Fripp twp. claims**

**249601,140979,316203,**

**109624,337076,193468,**

**296748,195009,109625,**

**Project name**

**Faultline minerals**

**Submitted by Mark Brazeau**

**License 220477**

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Schedule/Declaration of Cost

Schedule/Declaration of Cost cont.

Certification Mark Brazeau

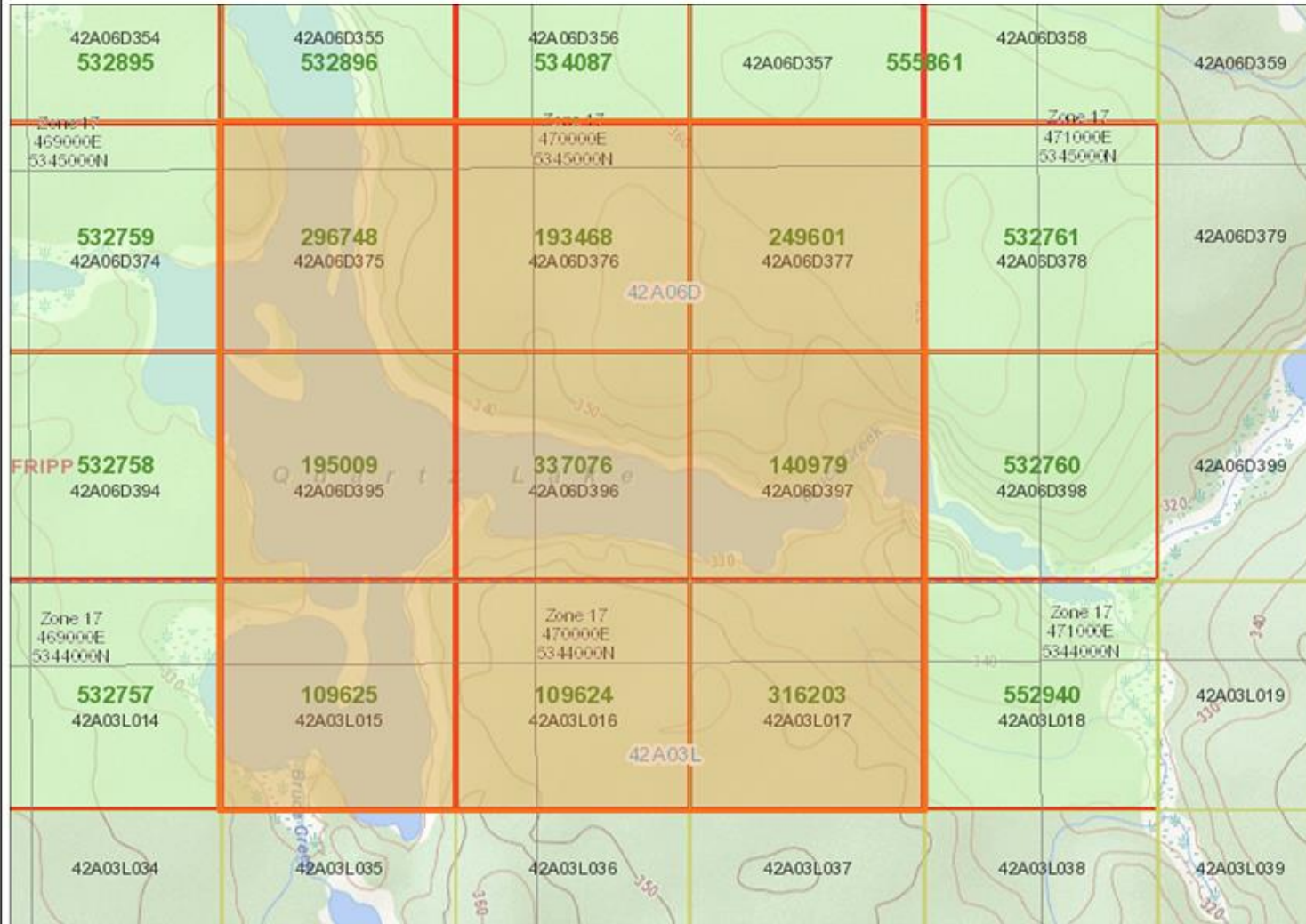
Certification Victor Warford

## INTRODUCTION

Mark Brazeau, and Victor Warford cut and established where old workings and vein system was located on claims 337076 and 140979 located in north central Fripp township, Porcupine mining division, district of Cochrane. Victor Warford of South Porcupine On was hired by Mark Brazeau to help locate workings collect samples and map bedrock present on claim group and trace the veining system on the south shore of the east arm of Quartz Lake. The purpose of prospecting the claim group was to locate quartz vein and possible parallel veining, extend the known strike of vein on south shore of east arm. All bedrock and workings and samples were gps located and applied to map The data obtained from the survey will be used to aid in finding Vein extension on the west side of Quartz Lake, west of the Mattagami fault, where another east west fault is present as shown on the geological map obtained from **MLAS** attached to this report, and also on Map P.3565 Geological Compilation of the Abitibi Green Stone belt.

## Access and Location

Access to the claim group is gained by 4x4 truck via Pine street south, travel 22 km south of Timmins and then 7 km west through a series of logging roads, from the truck approx. 150m traverse down a trail to the lake. A grown in trail was re-opened and used to access the claim group from pine south during work performed in October and November 2016. The claim group is located in the north central portion of Fripp Twp., Porcupine mining division, district of Cochrane. The claim group this report was prepared for is 9 unpatented mining claims and covers nearly all of Quartz Lake and some of the surrounding area. Claim group **249601,140979,316203,109624,337076,193468,296748,195009,109625, map attached below.**



### Legend

- Provincial Grid Cell**
  - Available
  - Pending
  - Unavailable
- Mining Claim**
  - Mining Claim
  - Boundary Claim
- Alienation**
  - Withdrawal
  - Notice
- ENDM Administrative Boundaries**
  - ENDM Townships and Areas
  - Geographic Lot Fabric
  - UTM Grid 1K
  - UTM Grid 10K
  - Mining Division
  - Mineral Exploration and Development Region
  - CLUPA Protected Area - Far North
  - Resident Geologist District
  - Federal Land Other
  - Native Reserves
- 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
- Other Features**
  - AMIS Sites
  - AMIS Features
  - Drill Hole
  - Mineral Occurrences



Projection: Web Mercator



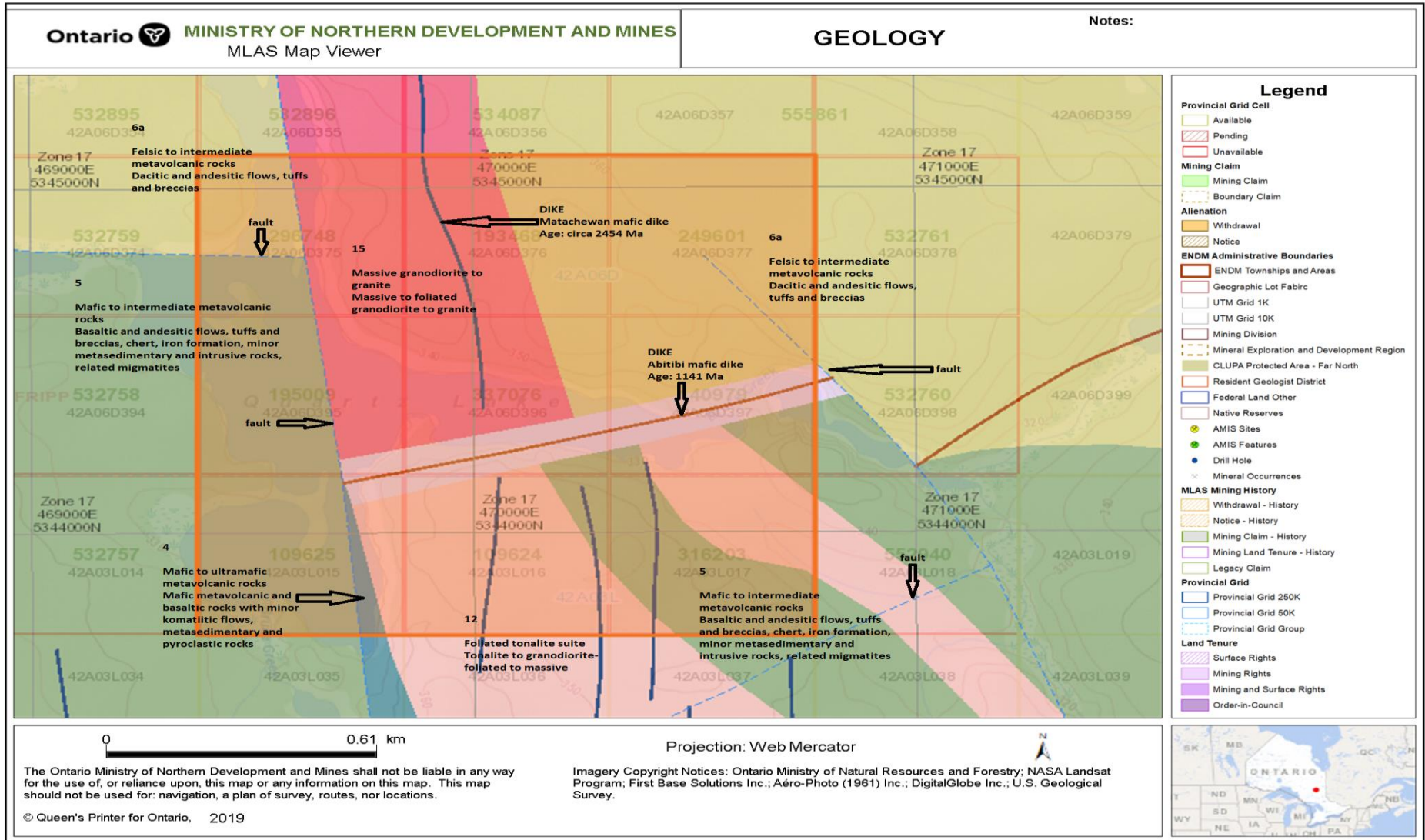
The Ontario Ministry of Northern Development and Mines shall not be liable in any way for the use of, or reliance upon, this map or any information on this map. This map should not be used for: navigation, a plan of survey, routes, nor locations.

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# GENERAL GEOLOGY

The claim group is underlain by early to late pre-Cambrian age meta-sediments and meta-volcanics interrupted by diabase dikes and by granite with accompanying red aplite dikes, as interpreted from Map 2205 Timmins Kirkland Lake Geological Compilation Series.



## **PERSONNEL**

The people directly involved with the work described in this report are

Mark Brazeau **License 220477** claim holder.

Victor Warford of South Porcupine On, seasoned prospector.

## **Exploration and Mining History**

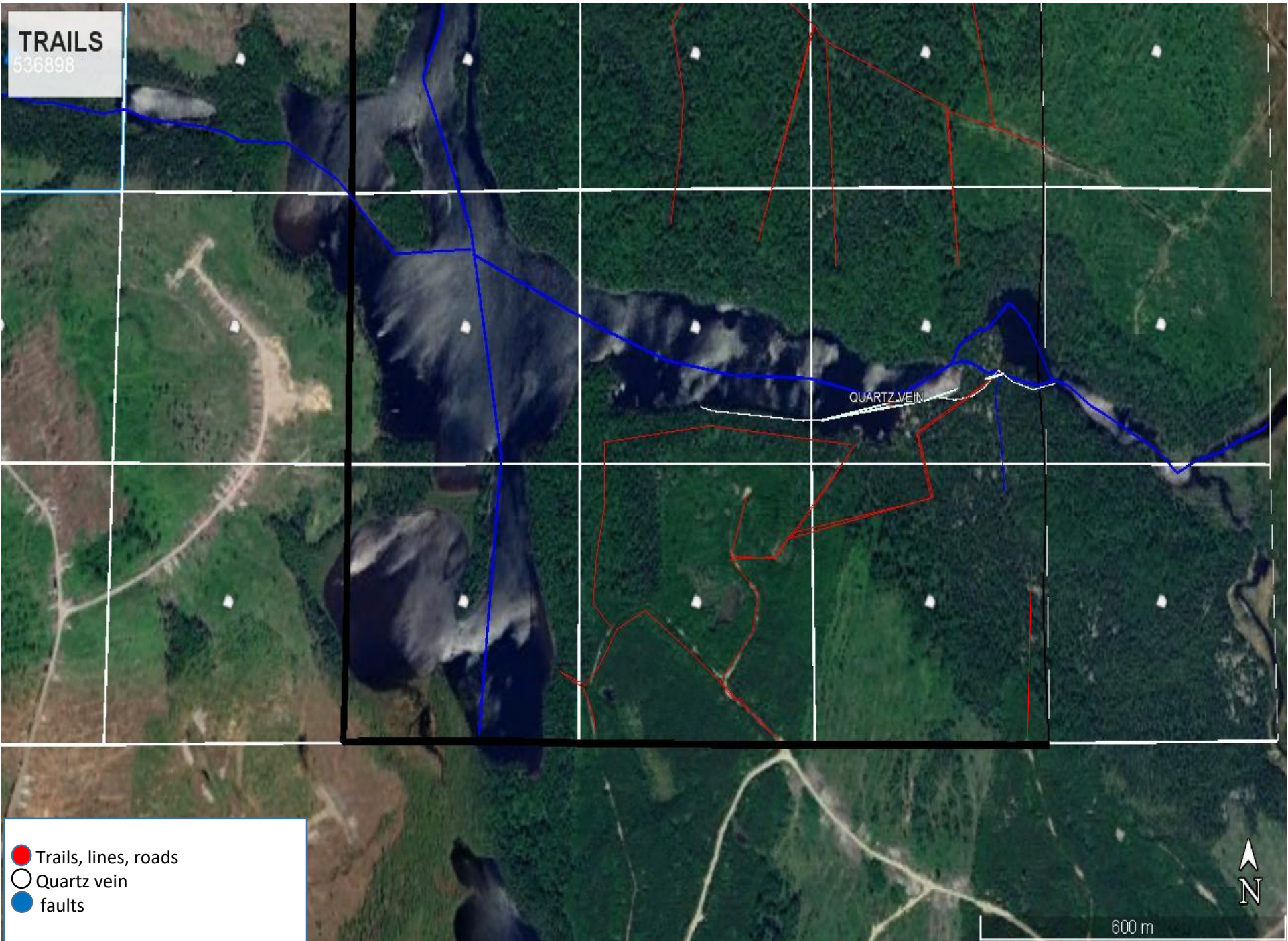
1920's: Quartz Lake Mines Limited - trenching, sampling. 1962: Hollinger Consolidated Gold Mines Ltd. - mapping, ground geophysics, sampling. 1964: O'Leary Malartic Mines Limited: drilling (1 hole, north side of East Arm, Quartz Lake). 1964: Nipiron Mines Limited - mapping, ground geophysics. 1988: R. Garneau: airborne geophysics. 1991, 1992, 1997: D. Tichinoff - ground geophysics; drilling (1 hole, north side of East Arm of lake, assays 2009-2010: D.M. Lefort - prospecting, sampling, assays.

## **WORK PROGRAM**

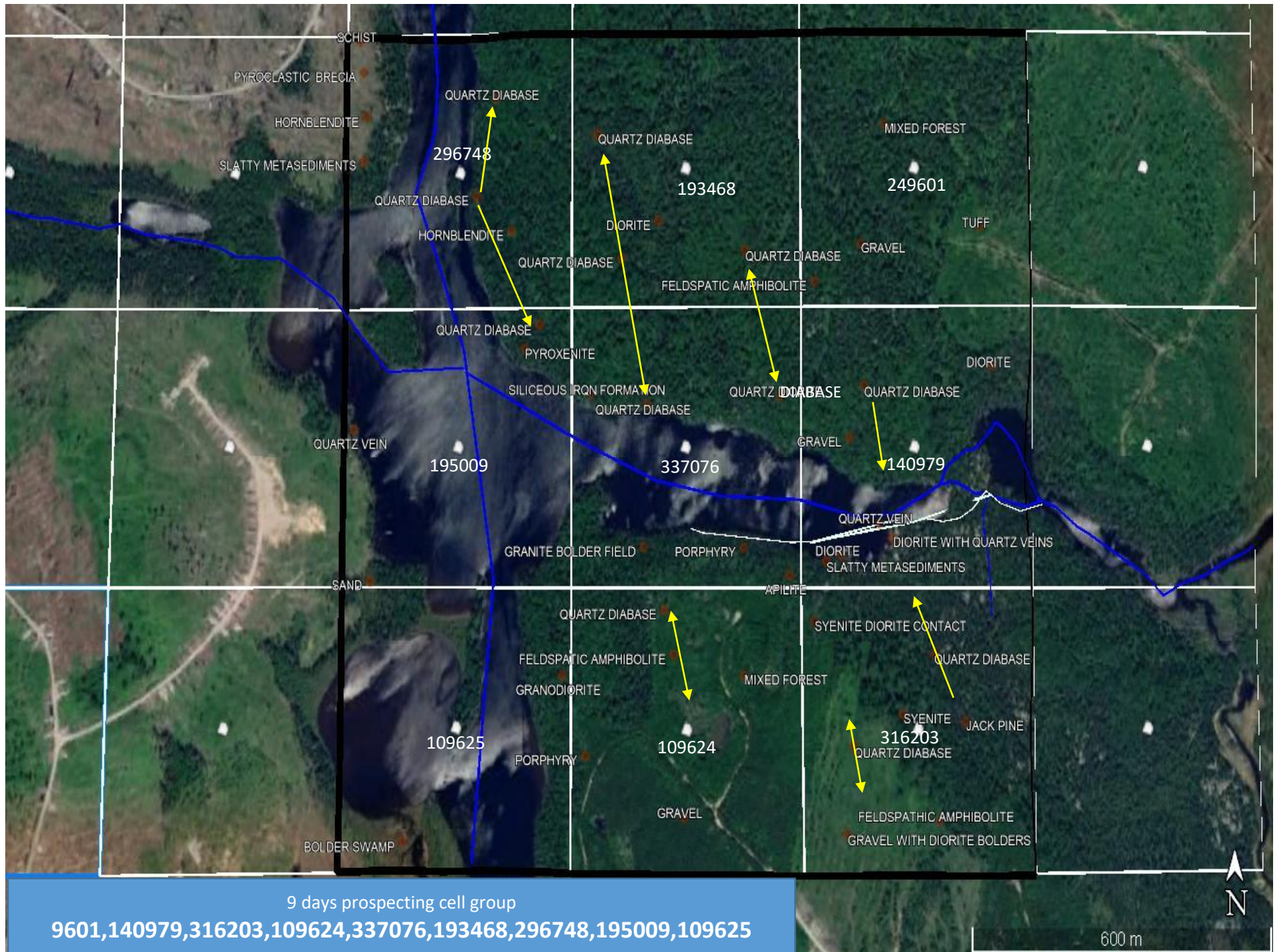
The 3-week work program through the fall of 2016 was to sample and to locate all the historic workings and vein and prospecting the area for possible extensions of mineralized vein. This was achieved by researching old data and old news clippings, and feet on the ground exploration by water old roads and trails. Trail cutting to the vein and prospecting the area over a period of three weeks through the area. Workings found along found along the lake edge, mostly on claims **337076** and **140979** approximately 6 adit's from the south west side of the east arm to canyon lake and three on the north east side of east. Sampling of the mineralized trenches have been done and are ongoing to present date. Prospecting of claim group

**9601,140979,316203,109624,337076,193468,296748,195009,109625** found areas of quartz diabase that could be the cause of the conductive zones running north east and west through the property. Example of this attached of the 1991 D. Tichinoff – mag and vlf assessment file **42A06SW0503** locates Attached to following maps.



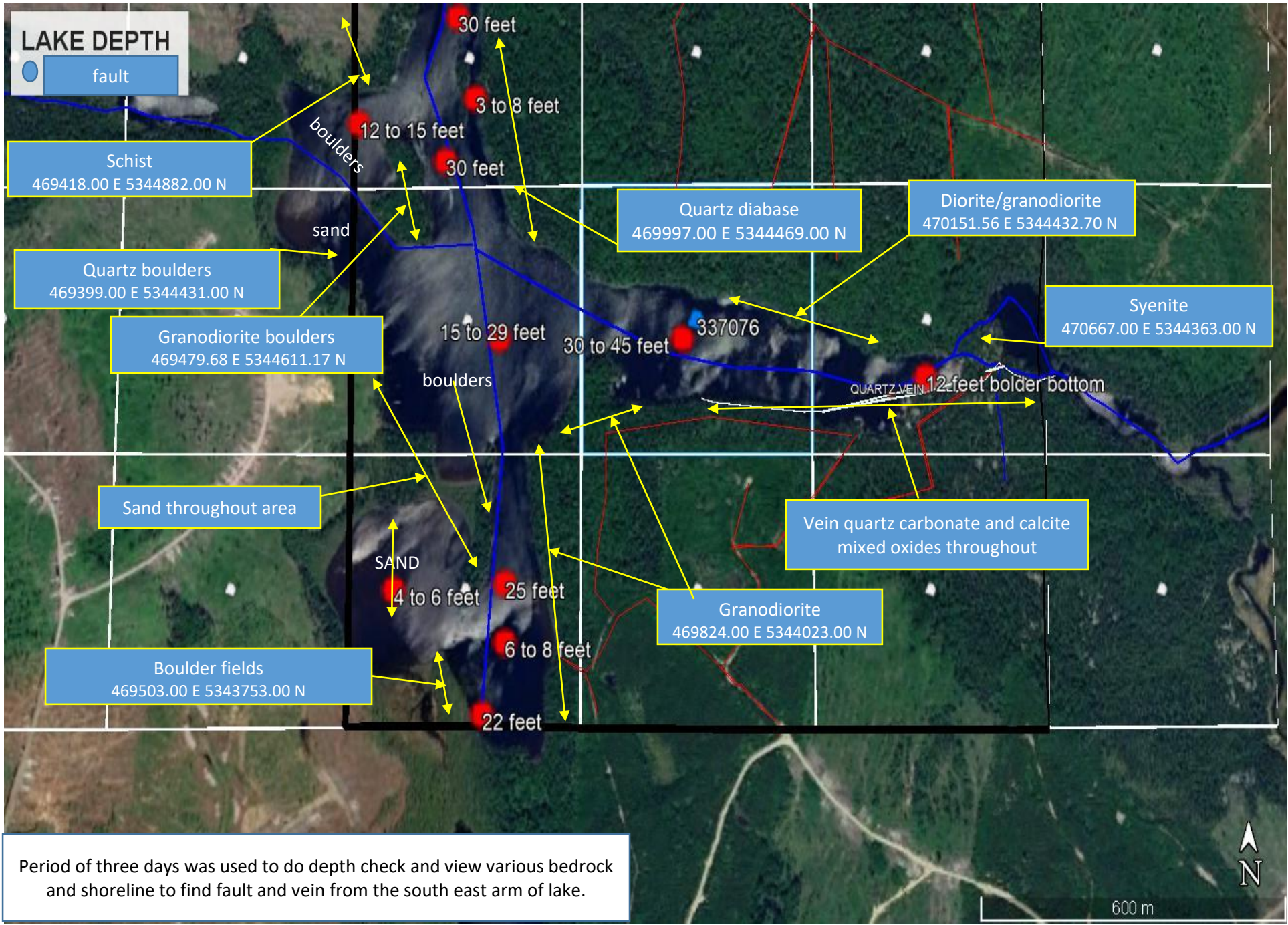






9 days prospecting cell group  
**9601,140979,316203,109624,337076,193468,296748,195009,109625**





Period of three days was used to do depth check and view various bedrock and shoreline to find fault and vein from the south east arm of lake.



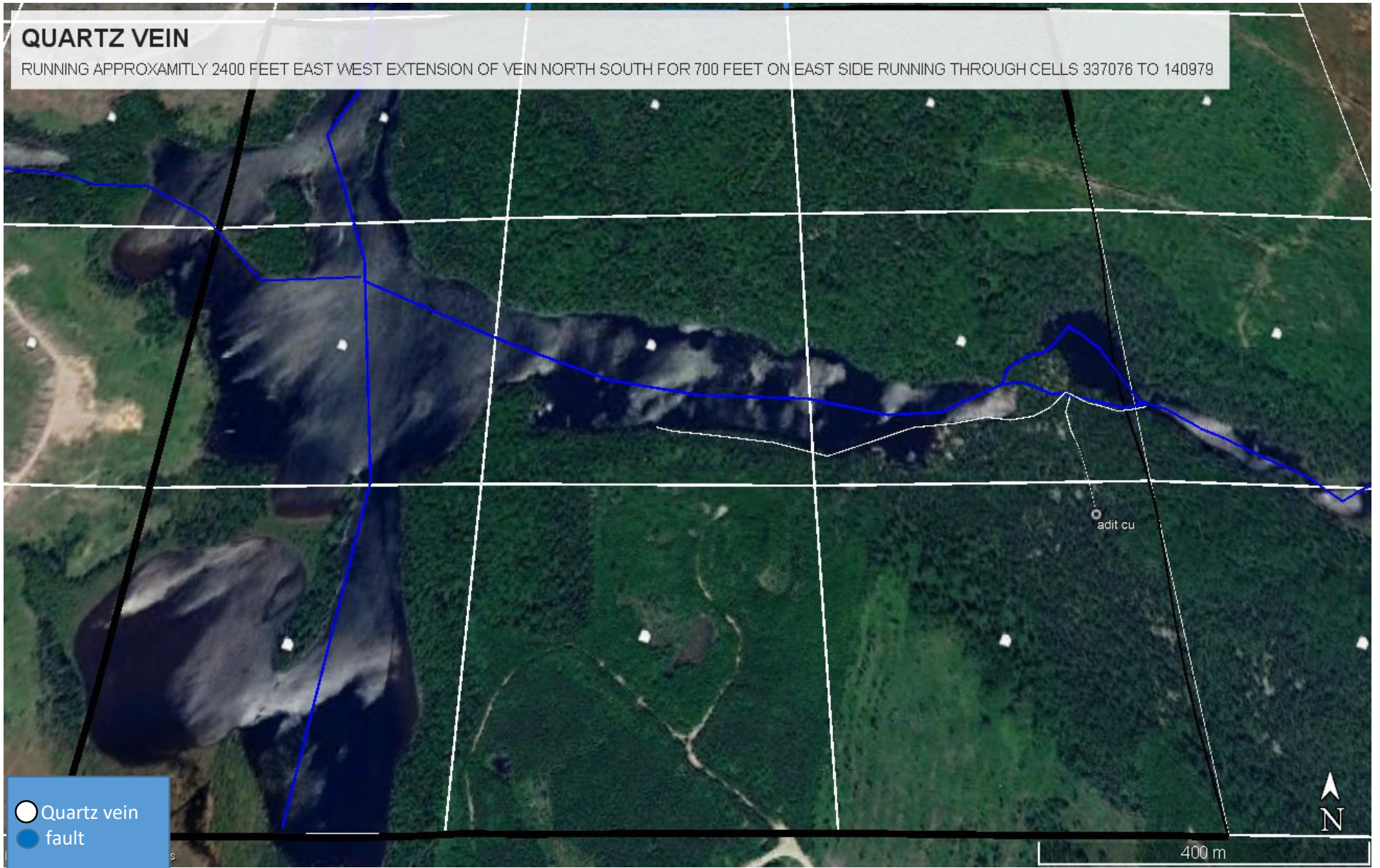
**Old workings**



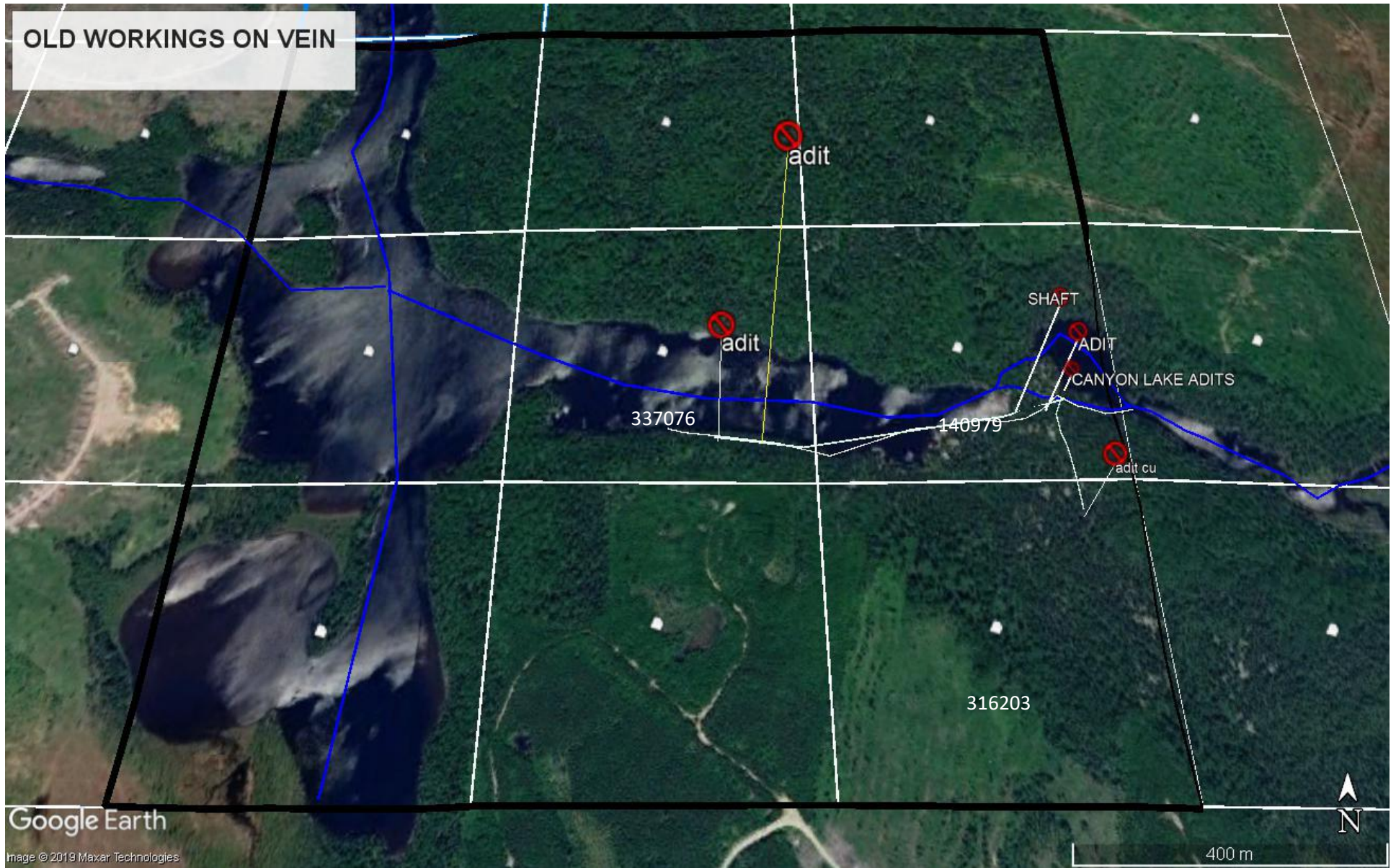


## QUARTZ VEIN

RUNNING APPROXIMATELY 2400 FEET EAST WEST EXTENSION OF VEIN NORTH SOUTH FOR 700 FEET ON EAST SIDE RUNNING THROUGH CELLS 337076 TO 140979







The majority of the old workings were found on claims 337076 and 140979 except for 1 adit located on claim 316203 could possibly be air raise from canyon lake adit all workings were gps and sampled. **Photos and locates attached.**

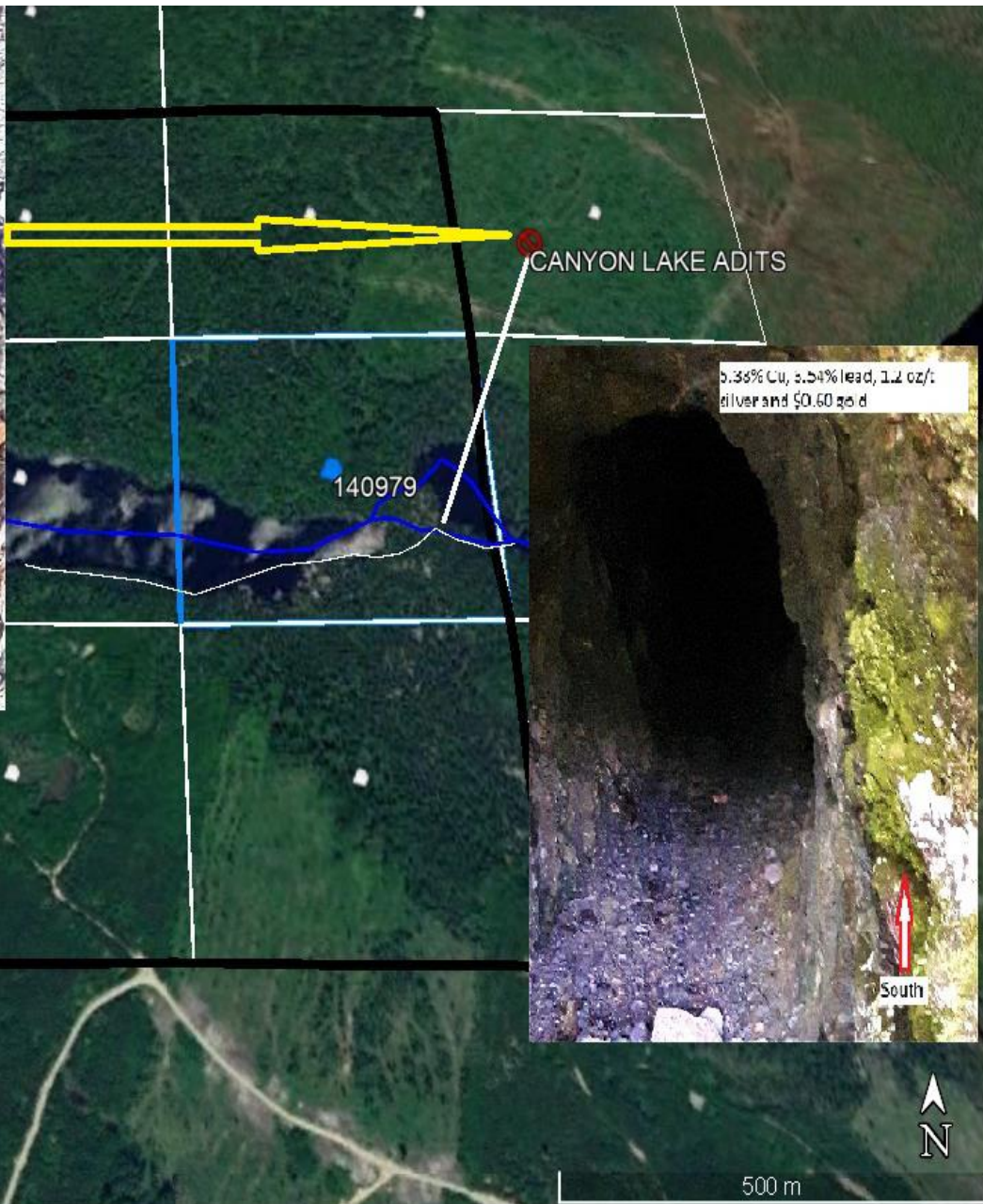
Over a period of two weeks myself Mark Brazeau and Victor Warford cut trails to old workings located them and sampled.



**Quartz lake GOLD MINES**

5.38% Cu, 3.54% lead, 1.2 oz/t silver and \$0.60 gold

CANYON LAKE ADITS 17 U 470701.00 m E 5344332.00 m N

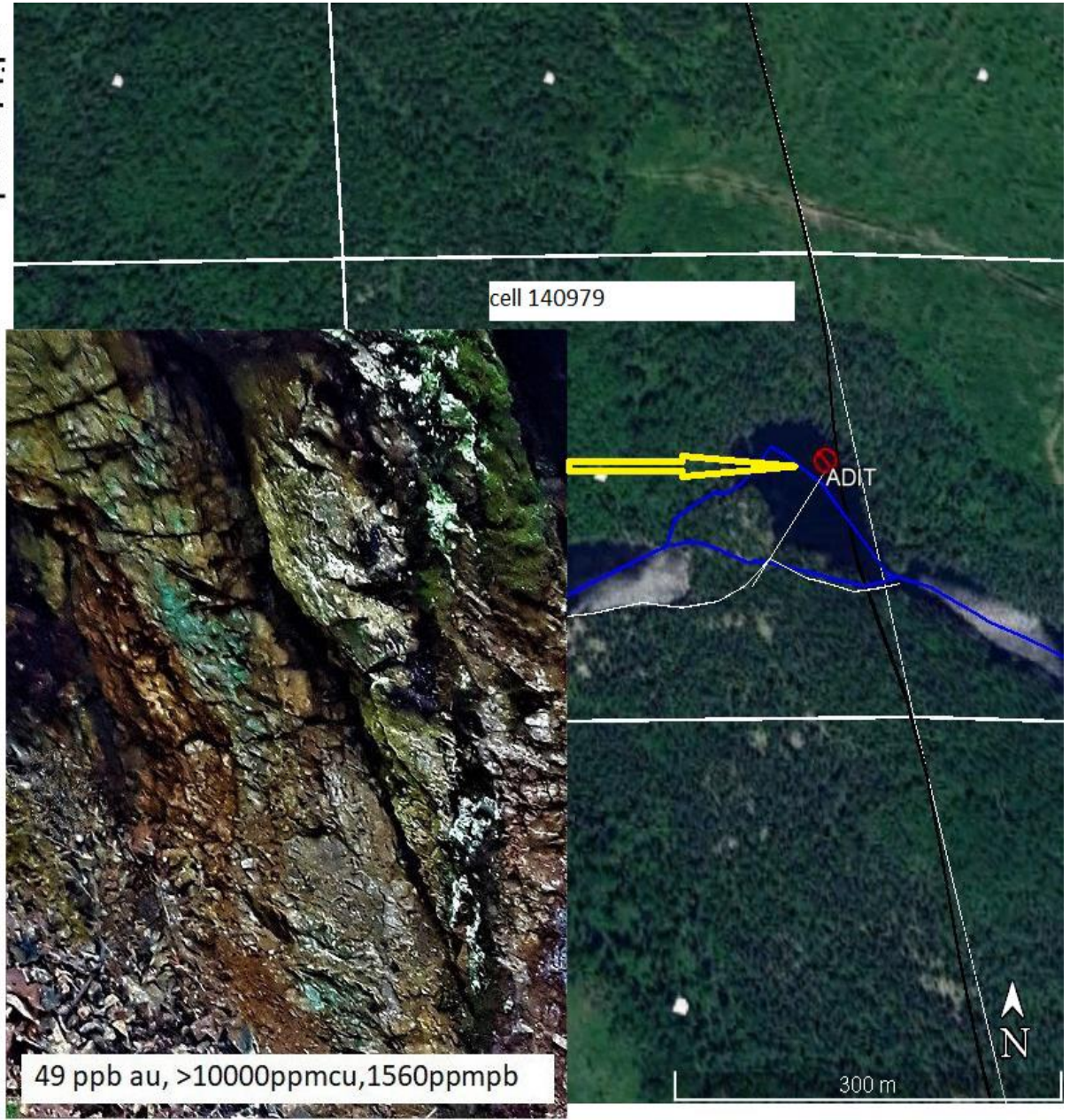


Adit's located in south west ridge of canyon lake on claim 140979





adit trench  
17U 470664 5344293 281m (299°)



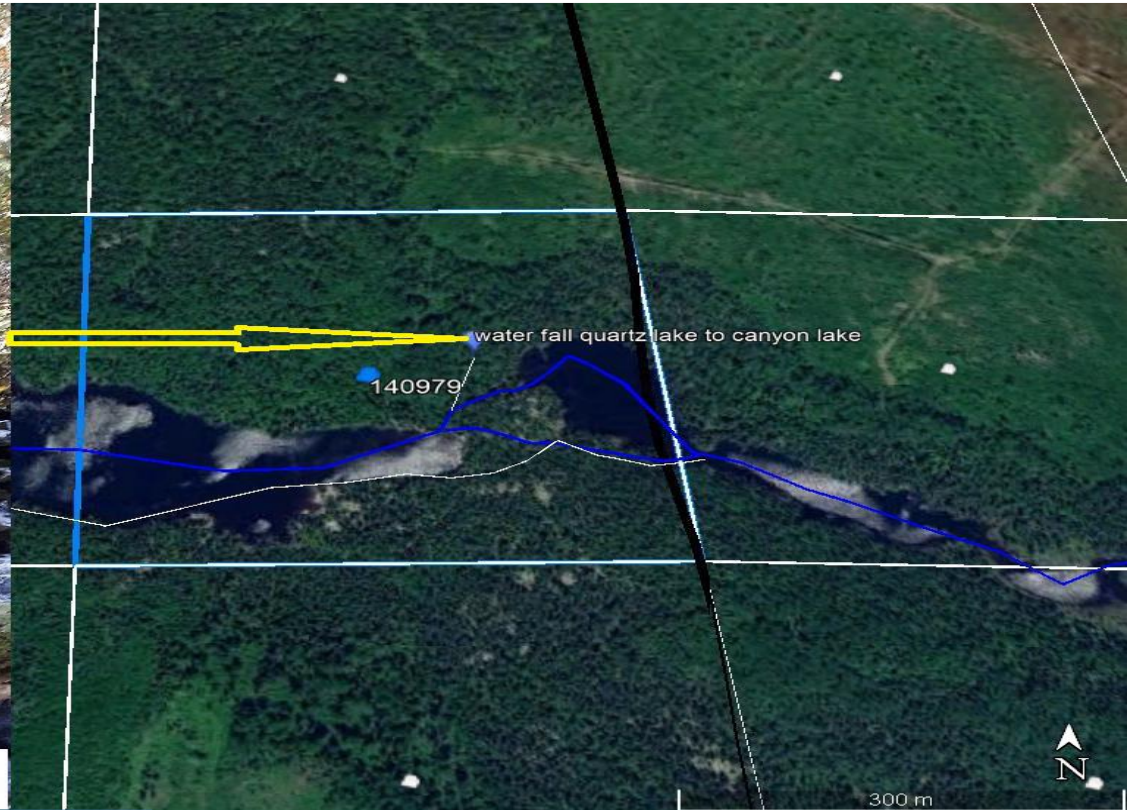
49 ppb au, >10000ppmCu, 1560ppmb

Adit located on top of ridge between canyon lake and quartz lake south shore.



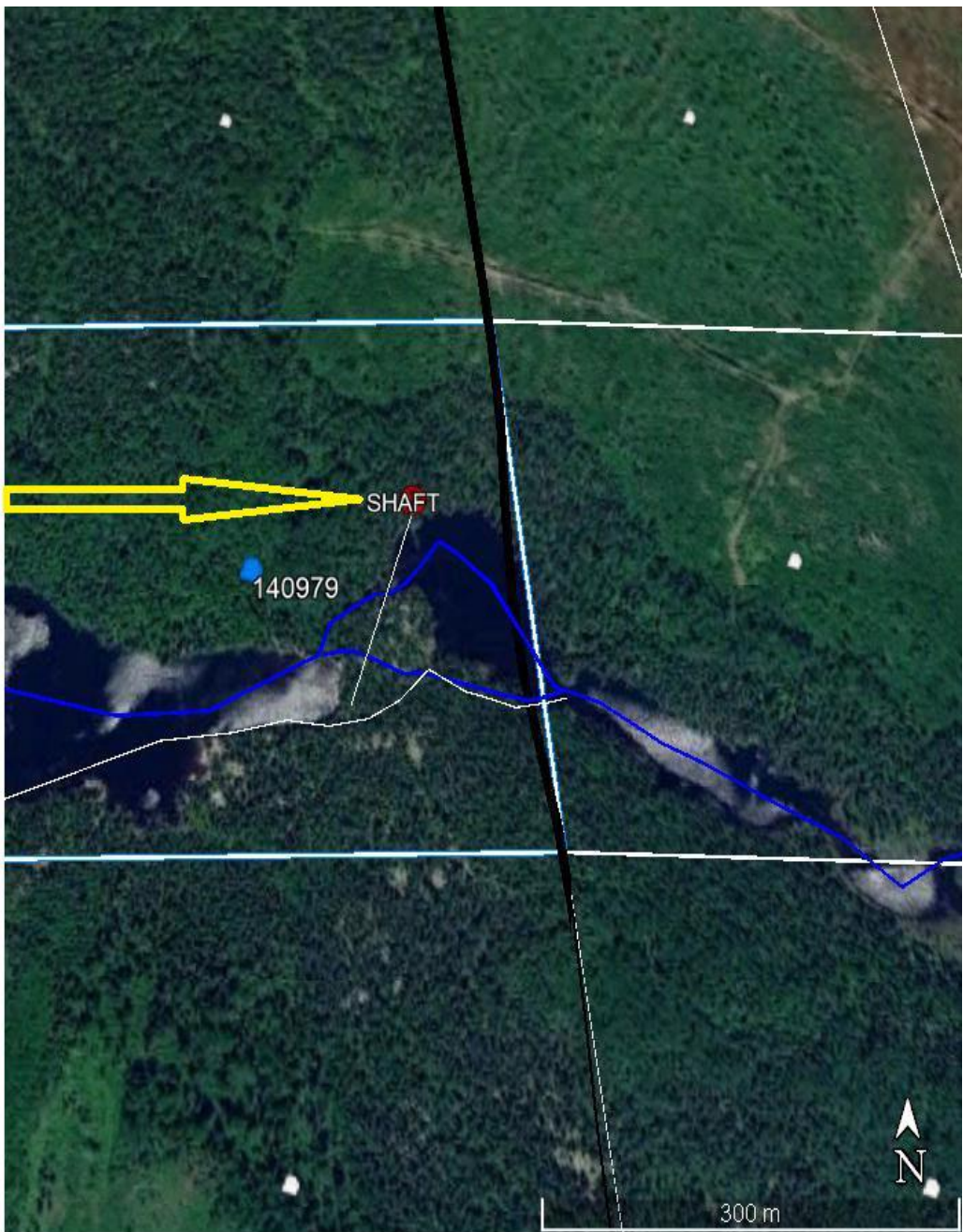


water fall quartz lake to canyon lake 17 U  
470606.65 m E  
5344362.11 m N

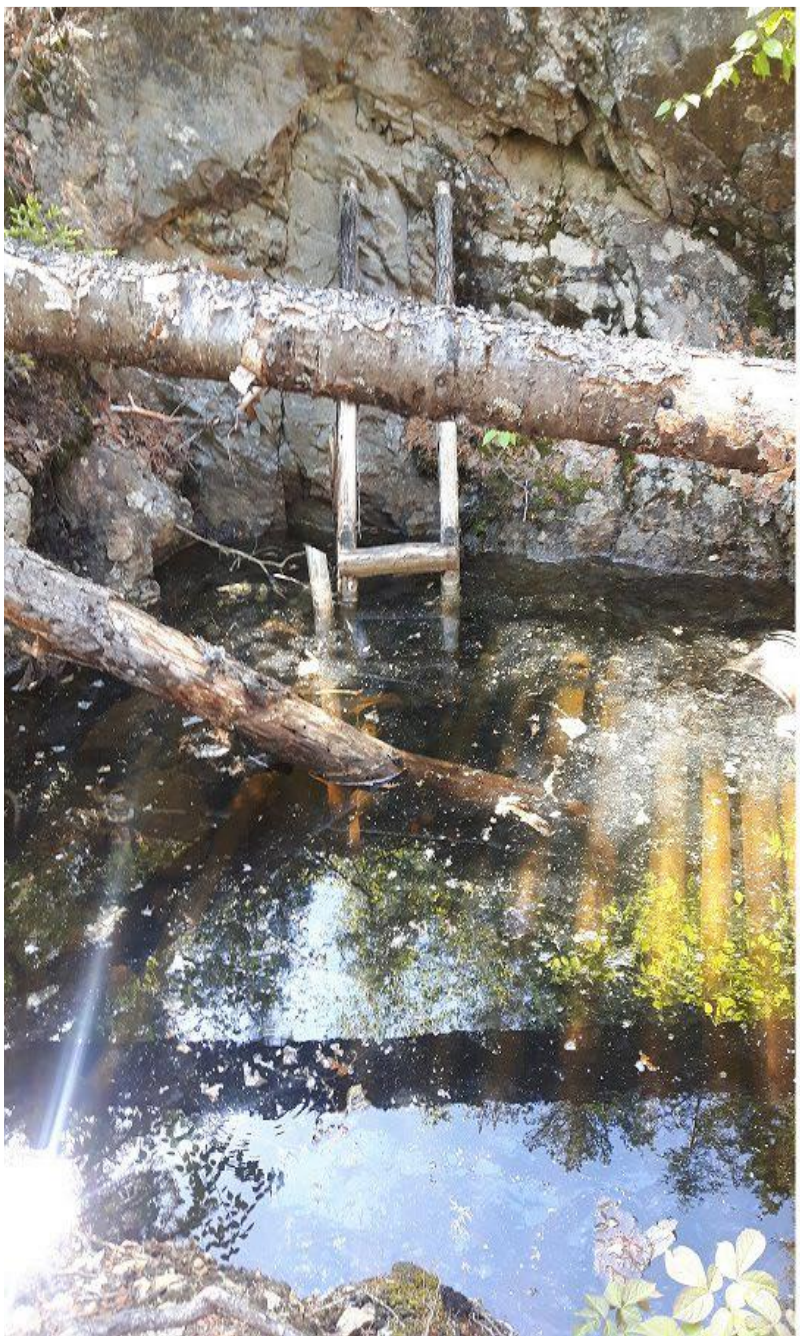


Location of this area has a wooden type water trough possibly would have had sluice box for milling gold





shaft  
17U 470620 5344292 329m (166°)





QUARTZ LAKE SHAFT LOCATED ON SOUTH SHORE OF EAST ARM OF LAKE



safety  
17U 470616 5344295 338m (132°)



SAFETY PRECAUTIONS INSTALLED





17U 470511 5344349 366m (348°)



AREA WHERE OD CAMP TIMBERS WERE LOCATED CAMP FOOTING APPEARED TO BE 16X16 3 TRENCHES WERE LOCATED IN THIS AREA. AND HOLE THREE FROM 1928 DRILL PROGRAM.



**adit** 17 U 470227.00 m E 5344236.00 m N

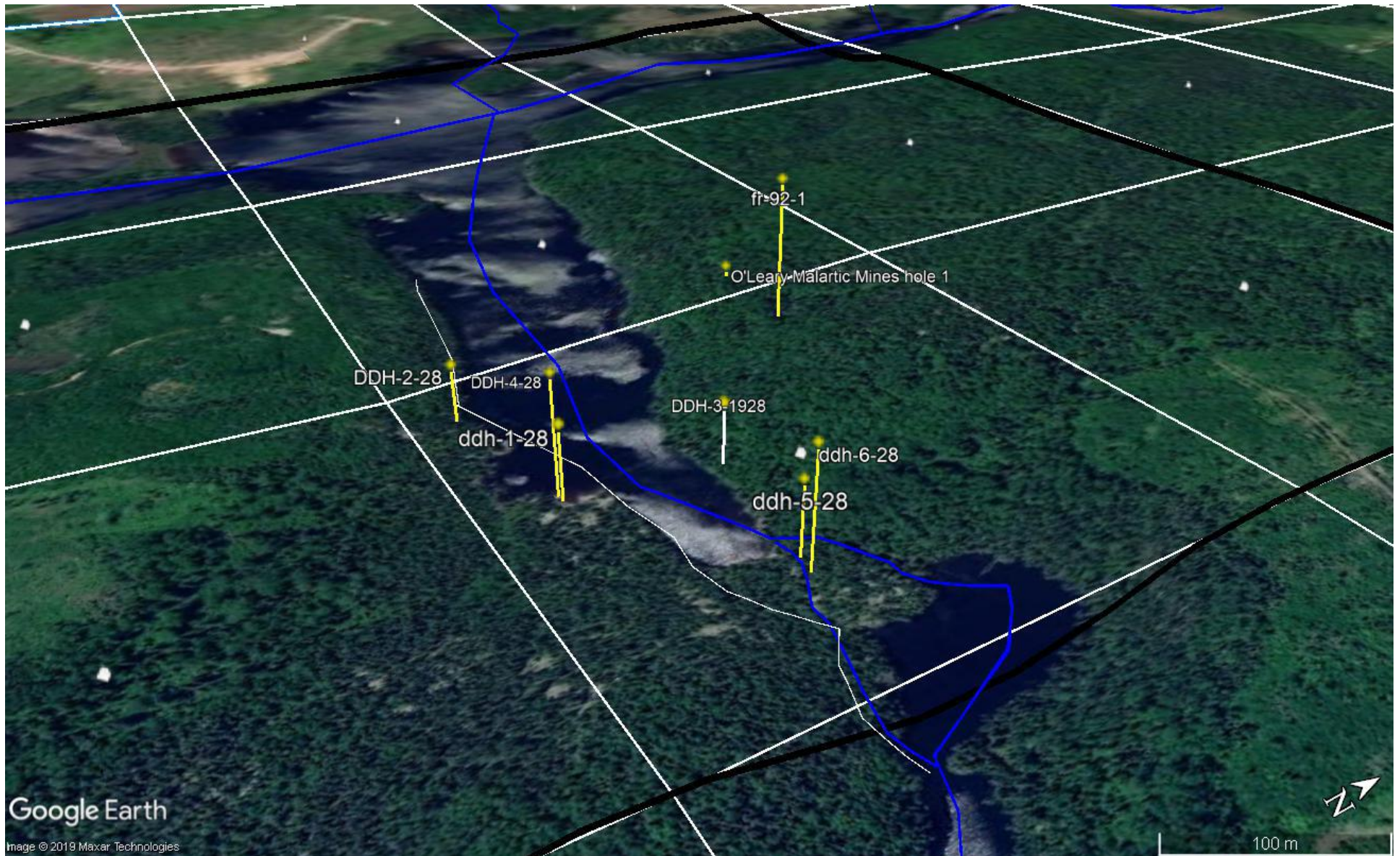






Quartz vein (between arrows) that strikes  $264^{\circ}$  and dips  $85^{\circ}$  (approximate UTM location: NAD83, Zone 17, 470158E 5344248N). Outcrop is east facing.





HISTORIC 1928 QUARTZ LAKE GOLD MINES DRILL HOLES TAKING FROM ASSESSEMENT FILE T-4270 HOLES WERE LOCATED FROM MEASURING FROM SHAFT WRITTEN IN FILE DISCRPTION.





17U 470484 5344233 334m (153°)

(1)  
 Hole No. 1  
 300' W. of Shaft, on shore  
 Near bunk-house  
 Drilling South  
 Dip 45°  
 N.B. Pipe and Plug in Collar of hole

T-4270

	Gold	Silver	Copper	Lead	Zinc
155-160	-	0.40	4.24	-	-
160-165	-	0.06	0.67	-	-
165-170	-	0.06	0.34	-	-
170-175	-	0.06	0.60	-	-
175-180	-	-	0.45	-	-
180-185	-	-	0.67	-	-
185-190	8.80	0.11	0.67	-	-
190-195	57.80	0.11	1.12	-	-
195-200	32.00	-	0.34	-	-
200-207	1.60	0.11	0.34	-	-

Assays from sludge and Core

Gold @ 20 per oz  
 Silver @ 574 " "  
 Copper @ 144 per lb.

(1)(a) Hole No 1

Date	Footage	Recovery	Sludge Core	Rock	% Qtz	Min
Jan 21	0-1	9.5	-	- Syenite Diorite	-	-
	1-10	9.0	-	-	-	-
	10-20	9.0	-	-	-	-
	20-30	9.0	-	-	-	-
	30-40	"	-	-	-	-
	40-50	"	-	-	-	-
	50-60	"	-	-	-	-
	60-70	"	-	-	-	-
	70-80	-	-	-	-	-
	80-90	-	-	-	-	-
	90-100	-	-	-	-	-
	100-110	-	-	-	-	-
	110-120	-	-	-	-	-
	120-130	-	-	-	-	-
	130-140	-	-	-	-	-
Jan 31	140-144	-	-	-	-	4% No
	144-150	-	-	-	-	No
	150-155	-	-	-	-	-
	155-160	7.5	-	-	-	-
	160-165	7.5	-	-	-	-
	165-170	7.5	-	-	-	-
	170-175	7.5	-	-	-	-
	175-180	7.5	-	-	-	-
	180-185	7.5	-	-	-	-
	185-190	7.5	-	-	-	-
	190-195	7.5	-	-	-	-
	195-200	7.5	-	-	-	-
	200-207	7.5	-	-	-	-
Feb 6	207-215	9.0	-	-	-	-

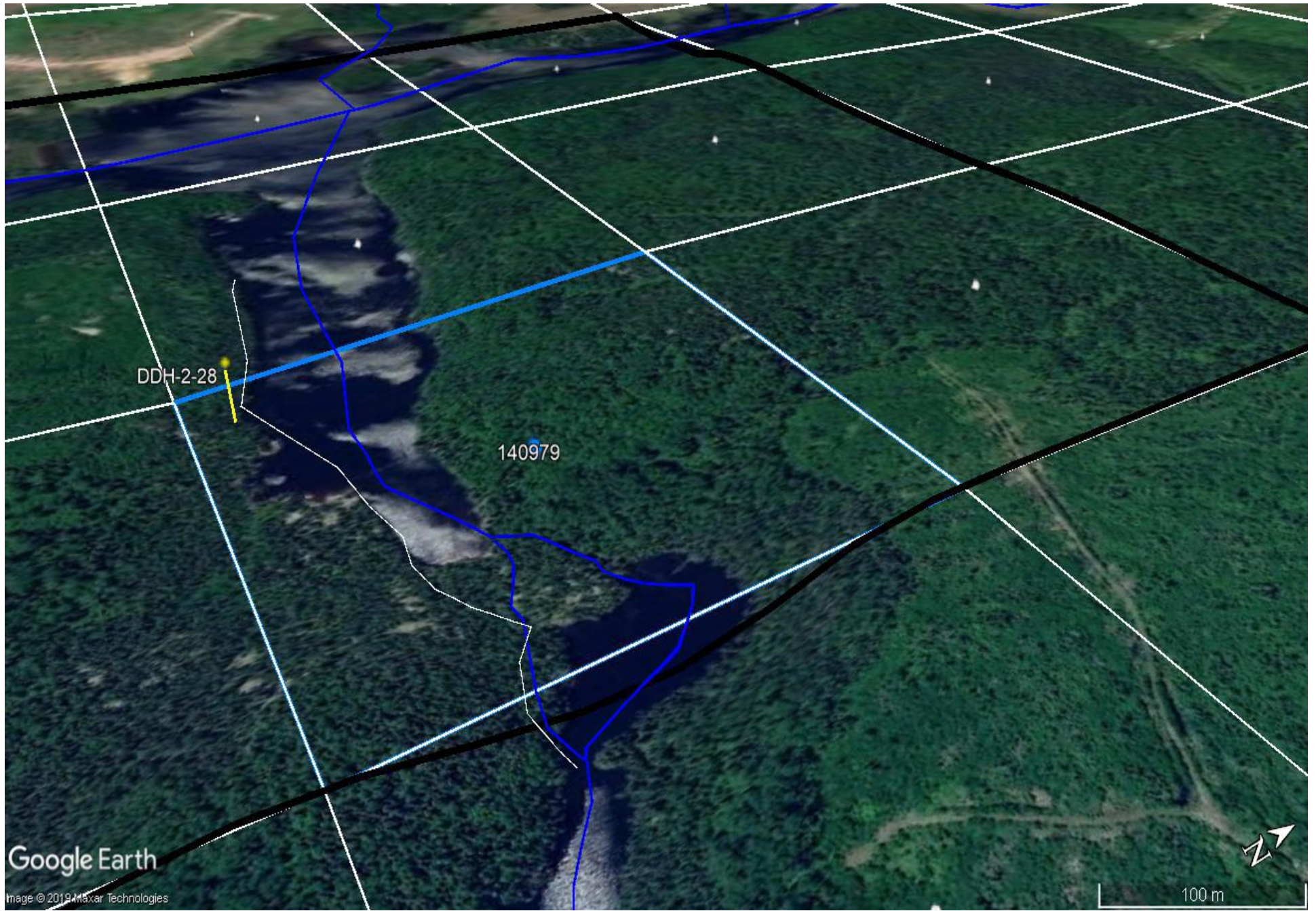
For Values see opposite page

Vein Material 90% W.M.

Syenite Diorite No No

HOLE 1 Drilled off into syenite diorite contact Locate of drill hole 1 was based from assessment file T-4270 drill logs from T-4270 hole 4 is located approximately 50 feet south west of 1.





DDH-2-28

140979

Google Earth

Image © 2019 Maxar Technologies

100 m



(3)

Hole No 2.

900' W. of shaft on S. shore  
Near old Camp

Drilling North

Dip  $40^{\circ}$

(2)

Hole No 2(a) Drilling South

On surface of Lake

Sand pipe started at  $55^{\circ}$  and  
driven to 61'.

Drilled 7' of rock and broke thro'  
to mud at 68 ft.

Abandoned hole after many un-  
successful attempts to force sand  
pipe ahead.

Hole No 2(b) Drilling South

On surface of Lake

Sand pipe started at  $76^{\circ}$  and  
driven to 45 ft.

Feb 15 Blasted and drove pipe to 50 ft.

Decided to abandon all attempts  
of drilling on Lake.

Moved Machine to S. shore  
and started drilling Hole # 2 prop.

Date	Footage	Recovery	Sludge Core	Rock	% Qtz	Min
(11)	289-291	9.0	-	Basalt f. Wall	Rock	S.M.
(12)	291-296	9.0	-	Main Vein	70%	W.M.
(13)	296-303	9.0	-	"	40%	W.M.
(14)	303-309	8.5	-	"	50%	W.M.
(15)	309-315	8.0	-	"	65%	W.M.
(16)	315-321	6.0	-	"	75%	W.M.
(17)	321-326	6.0	-	"	30%	W.M.
(18)	326-330	8.0	-	"	20%	W.M.
(19)	330-336	6.0	-	"	30%	f.M.
(20)	336-350	6.0	-	"	30%	f.M.
	350-360	7.0	-	Carbon Schist	-	No
	360-370	7.0	-	"	-	"
	370-380	7.0	-	"	-	"
	380-390	7.0	-	"	-	"
	390-400	7.0	-	"	-	"
	400-410	9.0	-	Basalt	-	-

### Sludge - Hole #2

Sample	Footage
23	300-315
24	315-330
25	330-340
26	340-350
27	350-360
28	360-370
29	370-380
30	380-390
31	390-400

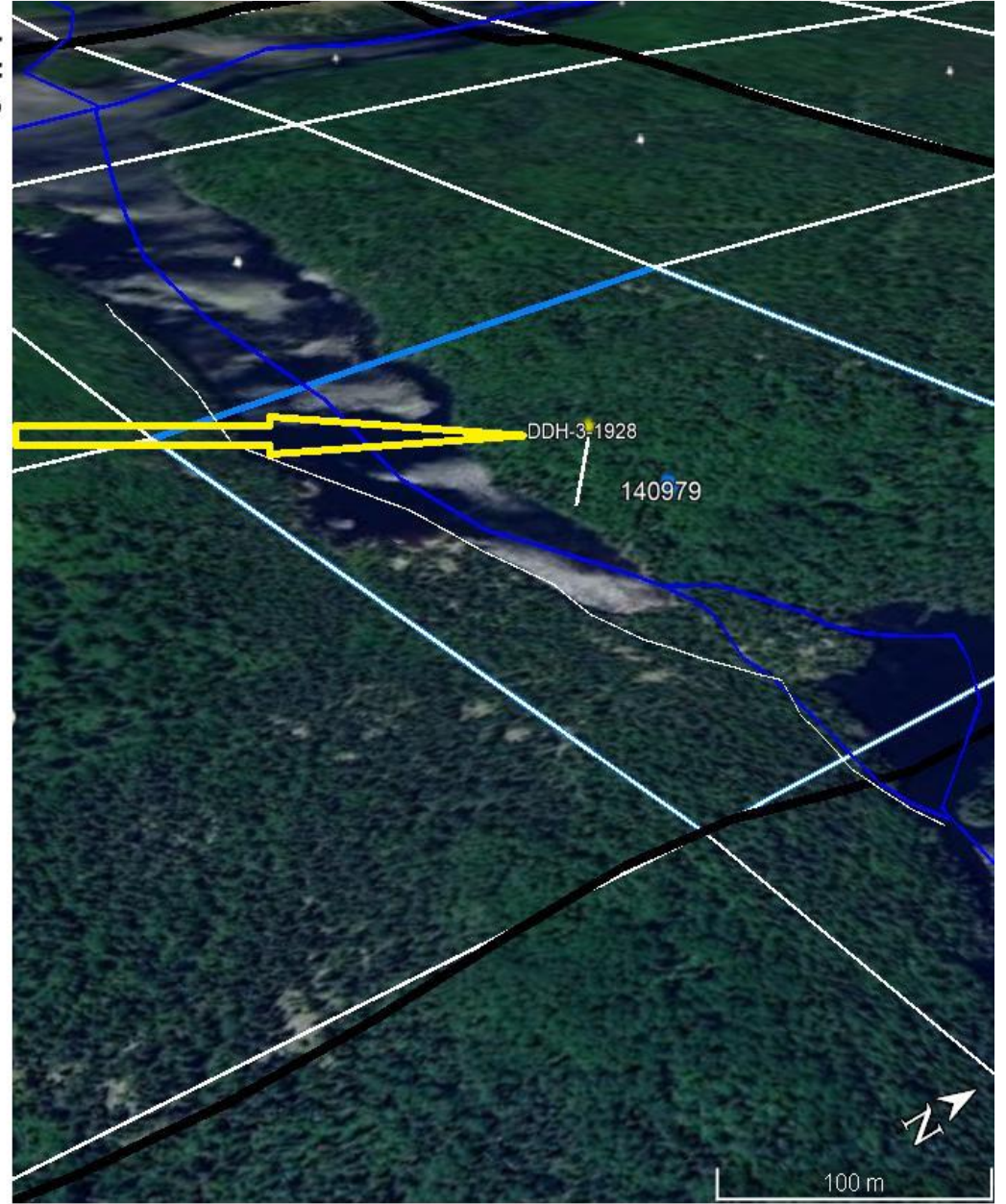
Cancelled.

Date	Footage	Recovery	Sludge Core	Rock	% Qtz	Min
Feb 15	0-10	9.0	-	Basalt	-	-
( )	10-20	9.0	-	"	-	-
( )	20-30	-	-	"	-	-
( )	30-40	-	-	"	-	-
( )	40-50	-	-	"	-	-
( )	50-60	-	-	"	-	-
( )	60-70	-	-	"	-	-
( )	70-80	-	-	Diorite	-	-
( )	80-90	-	-	"	-	-
( )	90-100	-	-	"	-	-
( )	100-110	-	-	"	-	-
( )	110-120	-	-	Basalt	-	-
( )	120-130	-	-	"	-	-
( )	130-140	-	-	"	-	-
( )	140-150	-	-	"	-	-
( )	150-160	-	-	"	-	-
( )	160-170	-	-	"	-	-
( )	170-180	-	-	"	-	-
( )	180-190	-	-	"	-	-
( )	190-200	-	-	"	-	-
( )	200-207	-	-	"	-	-
( )	207-208	85	-	Vein	90%	W.M.
( )	208-220	90	-	Basalt	-	-
( )	220-230	-	-	"	-	-
( )	230-240	-	-	"	-	-
( )	240-250	-	-	"	-	-
( )	250-251	8.5	-	Vein	90%	W.M.
( )	251-260	9.0	-	Basalt	-	-
( )	260-270	-	-	"	-	-
(22)	270-275	-	-	Vein Matter	None	W.M.
( )	275-280	-	-	Basalt	-	-
(21)	280-285	-	-	Vein Matter	-	W.M.
( )	285-289	-	-	Basalt	-	-





ddh3  
17U 470511 5344349 366m (103°)



LOCATED NEAR OLD CAMP AND WORKINGS 1928



(101)

### Hole No 3

1200' W of Shaft on  
N. shore of lake

Drilling S.  
Dip 57°

0287

5a)

Date	Footage	Recovery	Sludge	Core	Rock	% Qtz	Min
	0-18		stand piping				
	18-40	9.0			Grey Granite	-	-
(	40-70	8.6			" "	-	-
	70-100	9.0			" "	-	-
	100-120	8.5			" "	-	-
	120-150	8.0			" "	-	-
(	150-175	9.0			" "	-	-
	175-200	8.6			" "	-	-
	200-230	8.0			" "	-	-
(	230-240	8.0			Syenite Diorite	-	-
	240-280	7.0			" "	-	-
	280-315	7.0			Grey Granite	-	-
	315-340	7.0			Syenite Diorite	-	-
	340-370	8.0			" "	-	-
	370-400	7.5			" "	-	-
	400-440	8.0			Grey Granite	-	-
	440-470	8.0			Syenite Diorite	-	-
	470-520	9.0			" "	-	-
	520-558	8.0			" "	-	-
#32	558-563	7.0			Vein Matter	60%	W.M.
	563-586	6.0			Syenite & Vein Matter		S.M.
(	586-615	7.0			Syenite Diorite		
	615-650	9.0			" "		
	650-689	9.0			" "		
(	689-690	9.0			Small Vein	60%	S.M.
Apr. 11/28	690-717	9.5			Syenite Diorite		
			Sludge				
	562-570						
	570-575						
(	575-580						
	580-585						
	585-590						
	590-595						
			Sample No				
			33		383.40 au,		
			34		444.20 au		
			35		28.50 au		
			36		9.80 au		
			37		34.00 au		
			38		15.90 au, 2.55 ag, 3.07 ag		



LOCATION ON SOUTH SHORE OF EAST ARM NEAR 1  
17 U 470481.00 m E 5344231.00 m N

DDH 4-28

140979

Google Earth

Image © 2019 Maxar Technologies



100 m



(6)

Hole No 4  
 400 W. of shaft  
 on  
 S shore of lake  
 between stable and old camp  
 Drilling N.  
 Dip 44°

(6a) Hole No 4

Date	Footage	Recovery	Sludge Core	Rock	% Qtz.	M. in
Apr 17/28	0-7		Casing			
	7-30	8.5	-	Gray Granite	-	-
(1)	30-60	9.5	-	" "	-	-
	60-90	9.0	-	" "	-	-
	90-120	9.0	-	" "	-	-
(1)	120-150	9.0	-	" "	-	-
	150-180	9.0	-	" "	-	-
	180-210	9.0	-	" "	-	-
	210-221	9.0	-	" "	-	-
(1)	221-222	8.0	-	Small Vein	80% S.N.	
	222-232.5	8.5	-	Gray Granite	No. No	
	232.5-234	8.5	-	Small Vein	20% S.A.	
-	234-237	9.5	-	Gray Granite	No. No	
	237-238	7.5	-	Small Vein	60% S.A.	
	238-260	9.0	-	Syenite Diorite	-	
	260-290	9.0	-	" "	-	
	290-320	9.0	-	" "	-	
	320-350	9.0	-	" "	-	
	350-380	9.5	-	" "	-	
	380-410	9.0	-	" "	-	
	410-446	9.0	-	" "	-	
#39	446-449	8.5		Vein Matter	75% S.N.	
#40	449-454	8.5		" "	75% W.A.	
#41	454-460	8.5		" "	60% W.A.	
#42	460-465	8.5		" "	60% W.A.	
#43	465-468	8.6	.....	some Pyrrhotite		
#44	468-474	8.5		Vein Matter	50% W.	
#45	474-479	9.0		" "	40% F.	
(1)	479-486	8.0	-	Syenite Diorite	-	
#46	486-494	6.0		Vein Matter	50% F.A.	
#47	494-500	5.0		" "	40% F.I.	
#48	500-506	6.0		" "	50% S.A.	
#49	506-513	6.0		" "	60% S.A.	

(over)

(2a)

Hole No 4 (con)

Date	Footage	Recovery	Sludge Core	Rock	% Qtz.	M. in
Apr 30/28	513-528	8.5	-	Syenite Diorite	-	-

Sludge

Footage	Sample No
447-455	50.
455-460	51.
460-465	52.
465-470	53.
470-475	54.
475-480	55.
480-487	56.
487-495	57.
495-500	58.
500-505	59.
505-510	60.
510-515	61.

1000



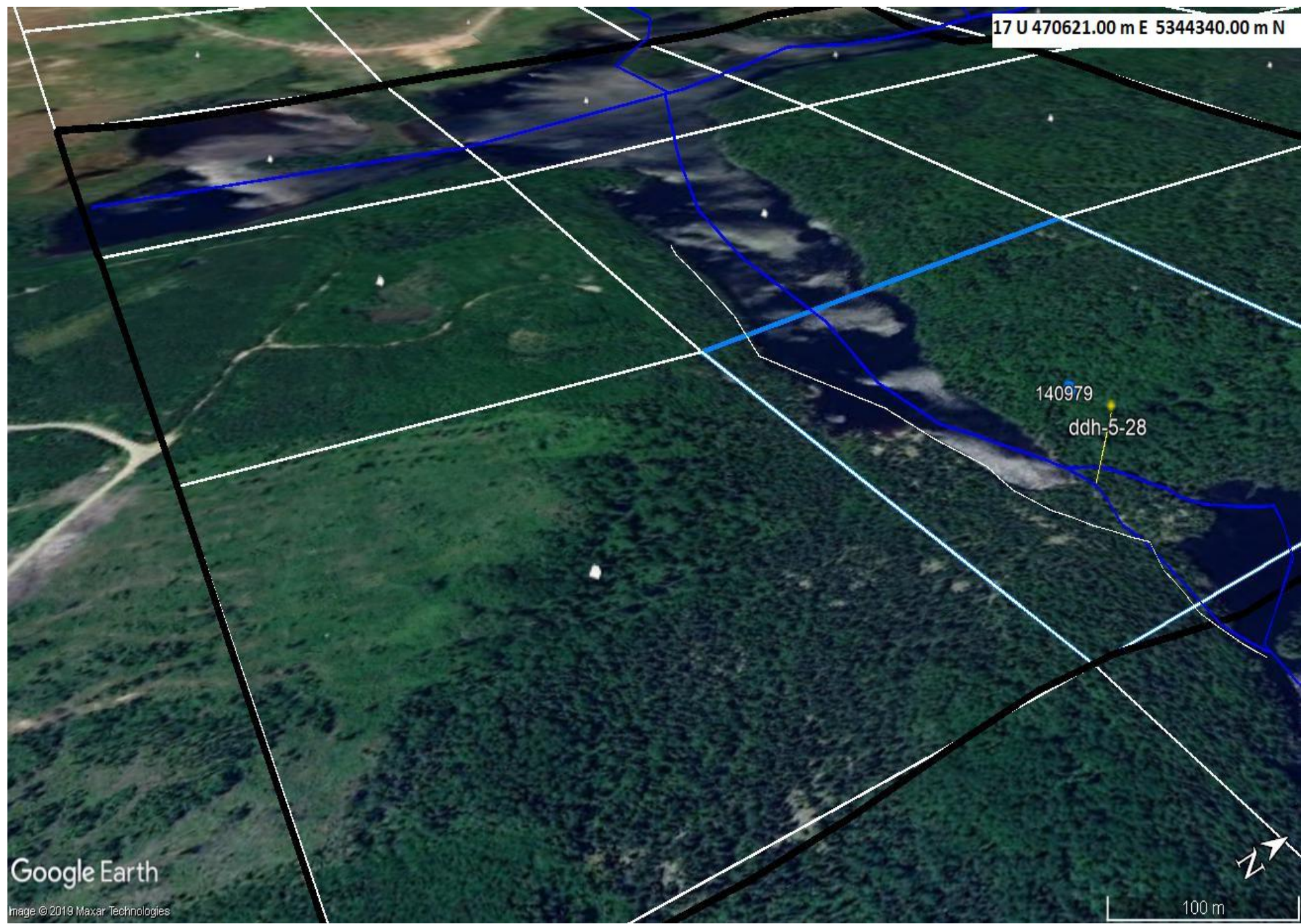
17 U 470621.00 m E 5344340.00 m N

140979  
ddh-5-28

Google Earth

Image © 2019 Maxar Technologies

100 m





Hole No 5  
 under shaft  
 on  
 N. shore of lake  
 east of creek  
 Drilling S  
 Dip 72°

0227

8(a)

Date	Footage	Recovery	Sludge	Core	Rock %	% Qtz Min
May 1/68	0-30	9.0	-	-	Syenite Diorite	-
	30-60	8.5	-	-	"	-
( )	60-90	8.5	-	-	"	-
	90-120	9.0	-	-	"	-
	120-150	8.0	-	-	"	-
	150-180	9.0	-	-	"	-
( )	180-210	8.5	-	-	"	-
	210-240	8.5	-	-	"	-
	240-270	8.5	-	-	"	-
	270-292	8.5	-	-	"	-
#62	292-297	5.0			Vein Matter	70% W.M.
#63	297-303	5.0			"	70% W.M.
#64	303-309	6.0			"	55% W.M. Bas
#65	309-315	8.5			"	30% W.M. Bas
#66	315-320	7.5			"	70% W.M.
#67	320-326	8.0			"	80% S.M.
#68	325-330	7.0			"	70% W.M.
#69	330-334	8.0			"	60% F.M.
May 1/68	334-355	8.0	-	-	Syenite Diorite	-

Sludge.

Footage	Sample No
290-300	70
300-305	71
305-310	72
310-315	73
315-320	74
320-325	75
325-330	76
330-335	77
335-340	78



17 U 470636.00 m E 5344338.00 m N

140979

ddh-6-28

Google Earth

Image © 2019 Maxar Technologies

100 m





(4)

Hole No 6  
 60' E of Hole No 5  
 to cut Vein  
 225' E. of shaft  
 Drilling  
 S.E.  
 Dip 75°

Date	Footage	Recovery	Hole No 6 Sludge Core Rock	% Qtz. Matter
May 17/12	0-3	Casing		
	3-30	9.0	- - Diorite	- -
	30-60	9.0	- - Syenite Diorite	- -
	60-90	8.5	- - " "	- -
	90-120	8.5	- - " "	- -
	120-150	8.5	- - " "	- -
	150-180	9.5	- - " "	- -
	180-210	8.5	- - " "	- -
	210-240	9.0	- - " "	- -
	240-270	9.0	- - " "	- -
	270-281	8.5	- - " "	- -
	#79281-286	6.0		Vein Matter 70% W.M.
	#80286-291	8.5		" " 10% N.M.E.
	#81291-295	7.5		" " 70% W.M.
	#82295-300	7.5		" " 70% W.M.
	#83300-303	8.5		" " 60% S.M.
May 18/12	303-325	9.0	- - Syenite Diorite	- -

Footage	Sludge Sample No
280-285	84
285-290	85
290-295	86
295-300	87
300-305	88



# 2016 SAMPLING

CELL 337076  
CELL 140979

sample 8

sample 5

sample 3

sample 07

SAMPLE 4

SAMPLE 6

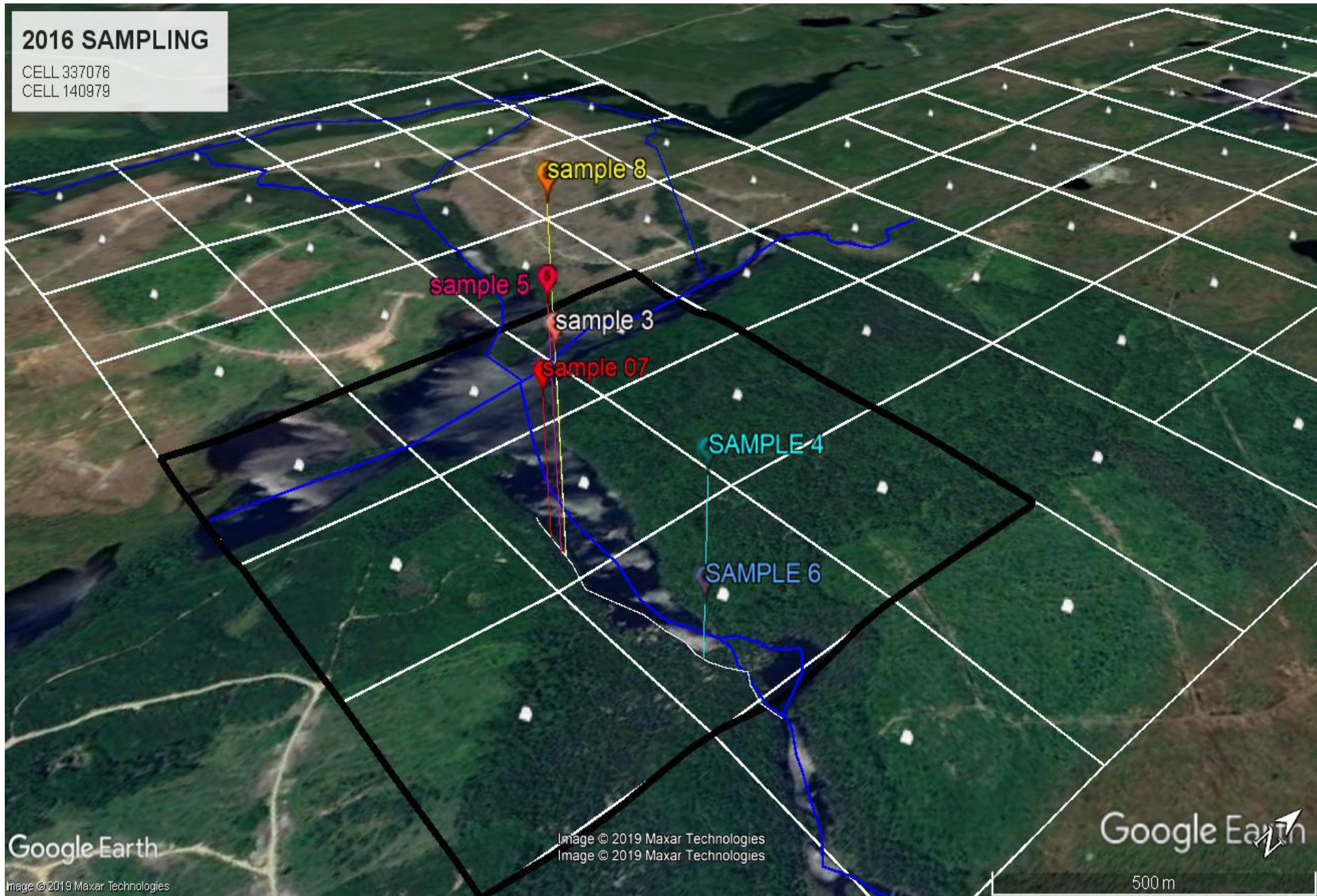
Google Earth

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Image © 2019 Maxar Technologies

Google Earth

500 m

Image © 2019 Maxar Technologies





Quality Analysis ...



Innovative Technologies

Date Submitted: 14-Oct-18  
Invoice No.: A18-10888  
Invoice Date: 17-Oct-18  
Your Reference: MT

Mark Brazeau  
528 Mountjoy South  
Timmins Ontario  
Canada

ATTN: Mark Brazeau

## CERTIFICATE OF ANALYSIS

6 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Timmins Au - Fire Assay AA

Code 1E2-Timmins Aqua Regia ICP(AQUAGED)

REPORT **A18-10888**

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 reanalysis by fire assay gravimetric-Code 1A3.

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

A handwritten signature in black ink, appearing to read "Emmanuel Esame".

Emmanuel Esame, Ph.D.  
Quality Control

ACTIVATION LABORATORIES LTD.  
1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1  
TELEPHONE: +705.264.0123 or +1.888.228.5227 FAX: +1.905.648.9813  
E-MAIL: Timmins@actlabs.com ACTLABS GROUP WEBSITE: www.actlabs.com



Results

Activation Laboratories Ltd.

Report: A16-10668

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Ce	Cr	Fe	Ga	La	K	Mg
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	%
Lower Limit	5	0.2	0.2	1	1	2	1	2	1	0.01	3	5	1	1	2	0.01	1	2	0.01	1	1	0.01	0.01
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
003	5	0.8	1.1	3870	433	<2	29	145	295	0.63	<3	<5	11	<1	<2	1.67	12	32	2.59	2	4	0.01	1.04
004	6	0.4	<0.2	260	1160	<2	16	3	58	2.23	<3	<5	64	<1	<2	1.75	24	26	6.04	6	9	0.23	0.73
005	10	7.6	<0.2	>10000	309	<2	5	255	23	0.21	<3	<5	10	<1	73	1.71	3	15	3.58	<1	<1	<0.01	0.12
006	5	0.5	0.4	2520	206	<2	17	137	180	0.53	<3	<5	12	<1	<2	0.41	7	37	1.43	2	3	0.02	0.53
007	17	12.5	0.7	>10000	125	5	12	65	156	0.43	<3	<5	10	<1	<2	0.12	9	25	6.37	2	2	0.02	0.20
008	10	7.5	<0.2	>10000	330	6	15	115	50	0.65	<3	<5	8	<1	35	1.55	7	21	3.70	2	<1	<0.01	0.23

PAGE 2

Results

Activation Laboratories Ltd.

Report: A16-10668

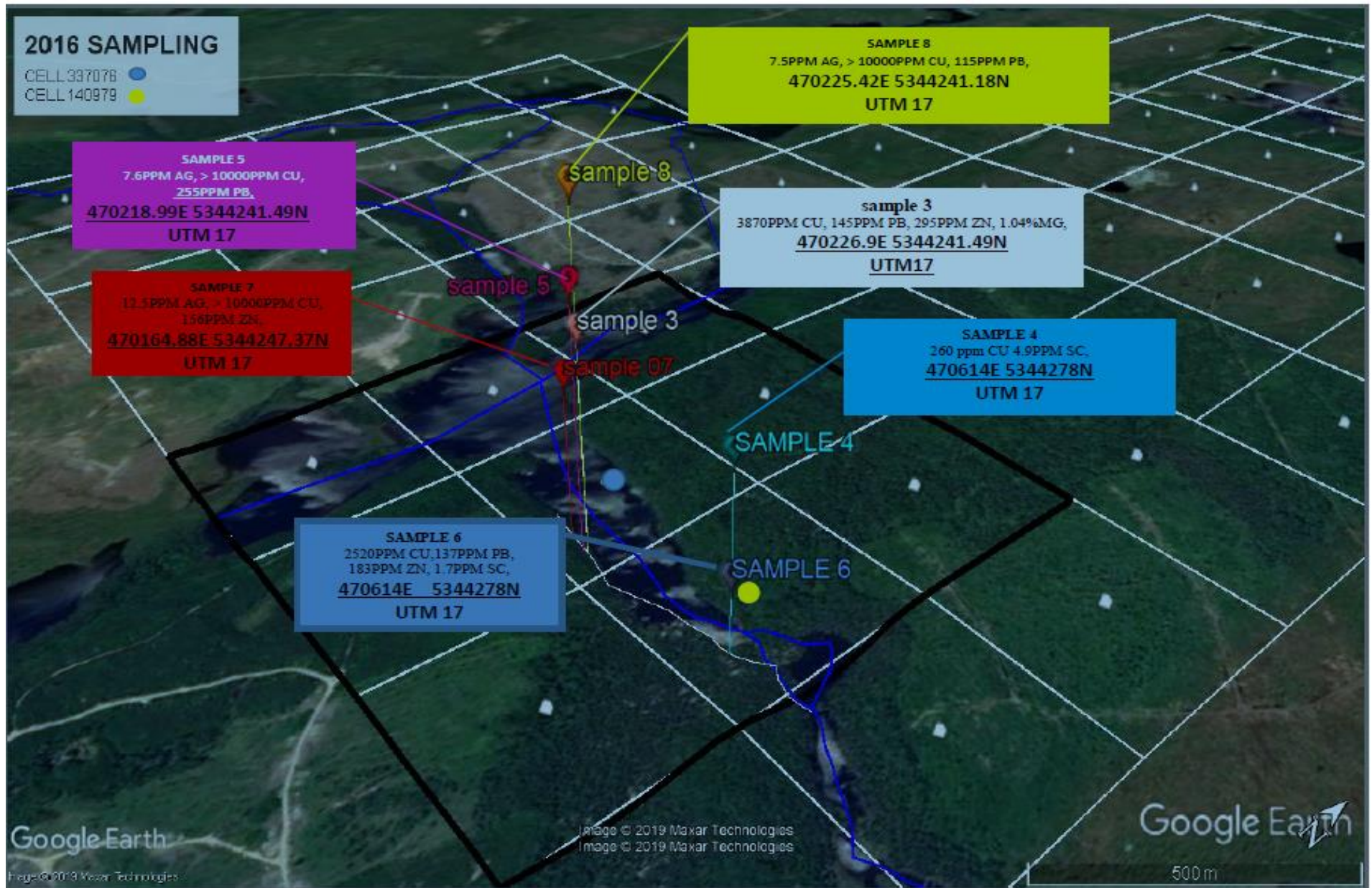
Analyte Symbol	Na	P	Sb	Se	Se	Sn	Sr	Te	Tl	Tl	U	V	W	Y	Zr	S
Unit Symbol	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	0.001	0.001	5	0.1	5	5	1	1	2	0.01	10	1	1	1	1	0.001
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
003	0.022	0.012	<5	2.0	<5	<5	17	<1	<2	0.03	<10	25	<1	2	1	0.358
004	0.165	0.062	<5	4.9	<5	<5	22	<1	<2	0.16	<10	81	<1	4	3	1.30
005	0.006	0.014	<5	0.6	<5	<5	11	2	<2	<0.01	<10	11	<1	<1	1	2.06
006	0.033	0.010	<5	1.7	<5	<5	9	<1	<2	0.03	<10	18	<1	2	2	0.218
007	0.010	0.026	<5	0.7	6	<5	6	<1	<2	<0.01	<10	19	<1	<1	3	3.65
008	0.005	0.011	<5	1.0	<5	<5	11	6	<2	<0.01	<10	15	<1	<1	1	1.46

PAGE 3

SAMPLE LOCATES

470226.9 E 5344241 N SAMPLE 003  
 470614 E 5344278 N SAMPLE 004  
 470219 E 5344241 N SAMPLE 005  
 470614 E 5344278 N SAMPLE 006  
 470164.9 E 5344247 N SAMPLE 007  
 470225.4 E 5344241 N SAMPLE 008





DUE TO ELEVATED BASE METAL NUMBER FURTHER EXPLORATION WILL CONTINUE TO TRACE COMPLETE MINERALIZATION OF AREA.  
 MORE REPORTS TO FOLLOW.



## QUALAFICATIONS AND DECLARATION OF COSTS

### **QUALIFICATIONS**

I MARK BRAZEAU BEING A SEASONED PROSPECTOR FO THIRTY YEARS HAVING WORKED IN VARIOUS FIELDS OF THE MINING INDUSTRY FROM GEOPHYSICS TO MILLWRIGHT, UDERGROUND AND SURFACE DIAMOND DRILLER EQUIPMENT OPERATOR TRUCK DRIVER AND WORKED IN MINE REHABILITATION ALSO WORKED IN FORESTRY.

VICTOR WARFORD OF SOUTH PORCUPINE ALSO SEASONED PROSPECTOR OF TWENTY YEARS PLUS ALSO WORKS IN MINING INDUSTRY IN VARIOUS DEPARTMENTS.

### **DECLARATION OF COST**

#### **12 days**

Oct 7 2016 to Oct 18 2016

#### **CELLS 140979, 337076**

MARK Brazeau 12 X 350 **\$4200.00**

VICTOR Warford 12 X 300 **\$3600.00**

**\$7800.00** broken down by 2 units **\$3900.00**

**Gas** 648 KM X 0.50=**\$324.00**

**Assays** INVOICE NUMBER A16-10668 TOTAL **\$269.96**



**9 DAYS PROSPECTING**

OCT 19 2016 TO OCT 27 2016

**249601,140979,316203,109624,337076,193468,296748,195009,109625,**

Mark Brazeau 9 x \$350.00 = **\$3150.00**

Victor Warford 9 x \$300.00 = **\$2700.00**

**\$5850.00** broken down by 9 units **\$650.00** labor per unit

Gas 486km x0.50= **\$243.00**

**Total prospecting for 21 days \$13650.00**

**Total assays \$269.96**

**Total gas \$567.00**

**Report 3 days at \$350.00 per day \$1050.00**

**Total \$15536.96**





**Date Submitted:** 14-Oct-16  
**Invoice No.:** A16-10668  
**Invoice Date:** 17-Oct-16  
**Your Reference:** MT

**Mark Brazeau**  
**528 Mountjoy South**  
**Timmins Ontario**  
**Canada**

**ATTN: Mark Brazeau**

## CERTIFICATE OF ANALYSIS

6 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Timmins Au - Fire Assay AA

Code 1E2-Timmins Aqua Regia ICP(AQUAGEO)

REPORT      **A16-10668**

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Notes:

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

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

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

Emmanuel Esemé , Ph.D.  
Quality Control

**ACTIVATION LABORATORIES LTD.**  
1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1  
TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613  
E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com



Results

Activation Laboratories Ltd.

Report: A16-10668

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	La	K	Mg
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	%
Lower Limit	5	0.2	0.2	1	1	2	1	2	1	0.01	3	5	1	1	2	0.01	1	2	0.01	1	1	0.01	0.01
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
003	5	0.8	1.1	3870	433	< 2	29	145	295	0.63	< 3	< 5	11	< 1	< 2	1.87	12	32	2.59	2	4	0.01	1.04
004	6	0.4	< 0.2	260	1160	< 2	16	3	58	2.23	< 3	< 5	64	< 1	< 2	1.75	24	26	6.04	6	9	0.23	0.73
005	10	7.6	< 0.2	> 10000	309	< 2	5	255	23	0.31	< 3	< 5	10	< 1	73	1.71	3	15	3.58	< 1	< 1	< 0.01	0.12
006	5	0.5	0.4	2520	206	< 2	17	137	183	0.53	< 3	< 5	12	< 1	< 2	0.41	7	37	1.43	2	3	0.02	0.53
007	17	12.5	0.7	> 10000	125	5	12	65	156	0.43	< 3	< 5	10	< 1	< 2	0.12	9	25	6.37	2	2	0.02	0.20
008	10	7.5	< 0.2	> 10000	330	6	15	115	50	0.65	< 3	< 5	8	< 1	35	1.55	7	21	3.70	2	< 1	< 0.01	0.23

Analyte Symbol	Na	P	Sb	Sc	Se	Sn	Sr	Te	Tl	Ti	U	V	W	Y	Zr	S
Unit Symbol	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	0.001	0.001	5	0.1	5	5	1	1	2	0.01	10	1	1	1	1	0.001
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
003	0.022	0.012	< 5	2.0	< 5	< 5	17	< 1	< 2	0.03	< 10	25	< 1	2	1	0.358
004	0.165	0.062	< 5	4.9	< 5	< 5	22	< 1	< 2	0.16	< 10	81	< 1	4	3	1.30
005	0.006	0.014	< 5	0.6	< 5	< 5	11	2	< 2	< 0.01	< 10	11	< 1	< 1	1	2.06
006	0.033	0.010	< 5	1.7	< 5	< 5	9	< 1	< 2	0.03	< 10	18	< 1	2	2	0.218
007	0.010	0.026	< 5	0.7	6	< 5	6	< 1	< 2	< 0.01	< 10	19	< 1	< 1	3	3.85
008	0.005	0.011	< 5	1.0	< 5	< 5	11	6	< 2	< 0.01	< 10	15	< 1	< 1	1	1.46



Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	La	K	Mg
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	%
Lower Limit	5	0.2	0.2	1	1	2	1	2	1	0.01	3	5	1	1	2	0.01	1	2	0.01	1	1	0.01	0.01
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-1 Meas		29.4	2.6	1060	856	14	22	632	712	0.49	378	10	564	< 1	1420	0.78	6	6	21.5	4	5	0.04	0.16
GXR-1 Cert		31.0	3.30	1110	852	18.0	41.0	730	760	3.52	427	15.0	750	1.22	1380	0.960	8.20	12.0	23.6	13.8	7.50	0.050	0.217
GXR-4 Meas		3.6	0.3	6330	150	329	39	45	75	2.58	102	< 5	98	< 1	10	0.82	13	57	2.93	7	52	1.76	1.67
GXR-4 Cert		4.0	0.860	6520	155	310	42.0	52.0	73.0	7.20	98.0	4.50	1640	1.90	19.0	1.01	14.6	64.0	3.09	20.0	64.5	4.01	1.66
GXR-6 Meas		0.3	< 0.2	63	1060	< 2	21	91	125	6.75	245	< 5	1080	< 1	< 2	0.15	13	78	4.92	12	11	1.13	0.40
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	13.9	1.87	0.609
SdAR-M2 (U.S.G.S.) Meas			4.5	244		12	42	718	631				139	3	< 2		11	7		2	48		
SdAR-M2 (U.S.G.S.) Cert			5.1	236.0000		13.3	48.8	808	760				990	6.6	1.05		12.4	49.6		17.6	46.6		
OxD128 Meas	414																						
OxD128 Cert	424.000																						
006 Orig		0.5	0.4	2440	197	< 2	16	129	174	0.50	< 3	< 5	11	< 1	< 2	0.39	7	36	1.38	2	3	0.02	0.51
006 Dup		0.5	0.4	2610	215	2	18	144	191	0.56	< 3	< 5	12	< 1	< 2	0.43	8	39	1.49	2	3	0.02	0.55
007 Orig	18																						
007 Dup	16																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank		< 0.2	< 0.2	< 1	< 1	< 2	< 1	< 2	< 1	< 0.01	< 3	< 5	7	< 1	< 2	< 0.01	< 1	< 2	< 0.01	< 1	< 1	< 0.01	< 0.01

Analyte Symbol	Na	P	Sb	Sc	Se	Sn	Sr	Te	Tl	Ti	U	V	W	Y	Zr	S
Unit Symbol	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Lower Limit	0.001	0.001	5	0.1	5	5	1	1	2	0.01	10	1	1	1	1	0.001
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-1 Meas	0.071	0.039	81	1.0	5	24	167	15	< 2	< 0.01	24	83	151	16	13	0.196
GXR-1 Cert	0.0520	0.0650	122	1.58	16.6	54.0	275	13.0	0.390	0.036	34.9	80.0	164	32.0	38.0	0.257
GXR-4 Meas	0.114	0.124	< 5	5.5	< 5	< 5	71	4	< 2	0.14	< 10	87	15	8	6	1.78
GXR-4 Cert	0.564	0.120	4.80	7.70	5.60	5.60	221	0.970	3.20	0.29	6.20	87.0	30.8	14.0	186	1.77
GXR-6 Meas	0.089	0.033	< 5	18.0	< 5	< 5	34	5	< 2		< 10	181	1	4	10	0.014
GXR-6 Cert	0.104	0.0350	3.60	27.6	0.940	1.70	35.0	0.0180	2.20		1.54	186	1.90	14.0	110	0.0160
SdAR-M2 (U.S.G.S.) Meas				1.6			22				< 10	17	2	12	4	
SdAR-M2 (U.S.G.S.) Cert				4.1			144				2.53	25.2	2.8	32.7	259	
OxD128 Meas																
OxD128 Cert																
006 Orig	0.029	0.009	< 5	1.6	< 5	< 5	9	< 1	< 2	0.03	< 10	18	< 1	2	2	0.209
006 Dup	0.037	0.010	< 5	1.7	< 5	< 5	9	1	< 2	0.03	< 10	19	< 1	2	2	0.228
007 Orig																
007 Dup																
Method Blank																
Method Blank																
Method Blank	0.011	< 0.001	< 5	< 0.1	< 5	< 5	< 1	< 1	< 2	< 0.01	< 10	< 1	< 1	< 1	< 1	< 0.001