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***Lake Bottom Sediment Sampling Report***

***Dead Moose Lake***

***Shillington Township***

***Larder Lake Mining Division***

***District of Temiskaming***

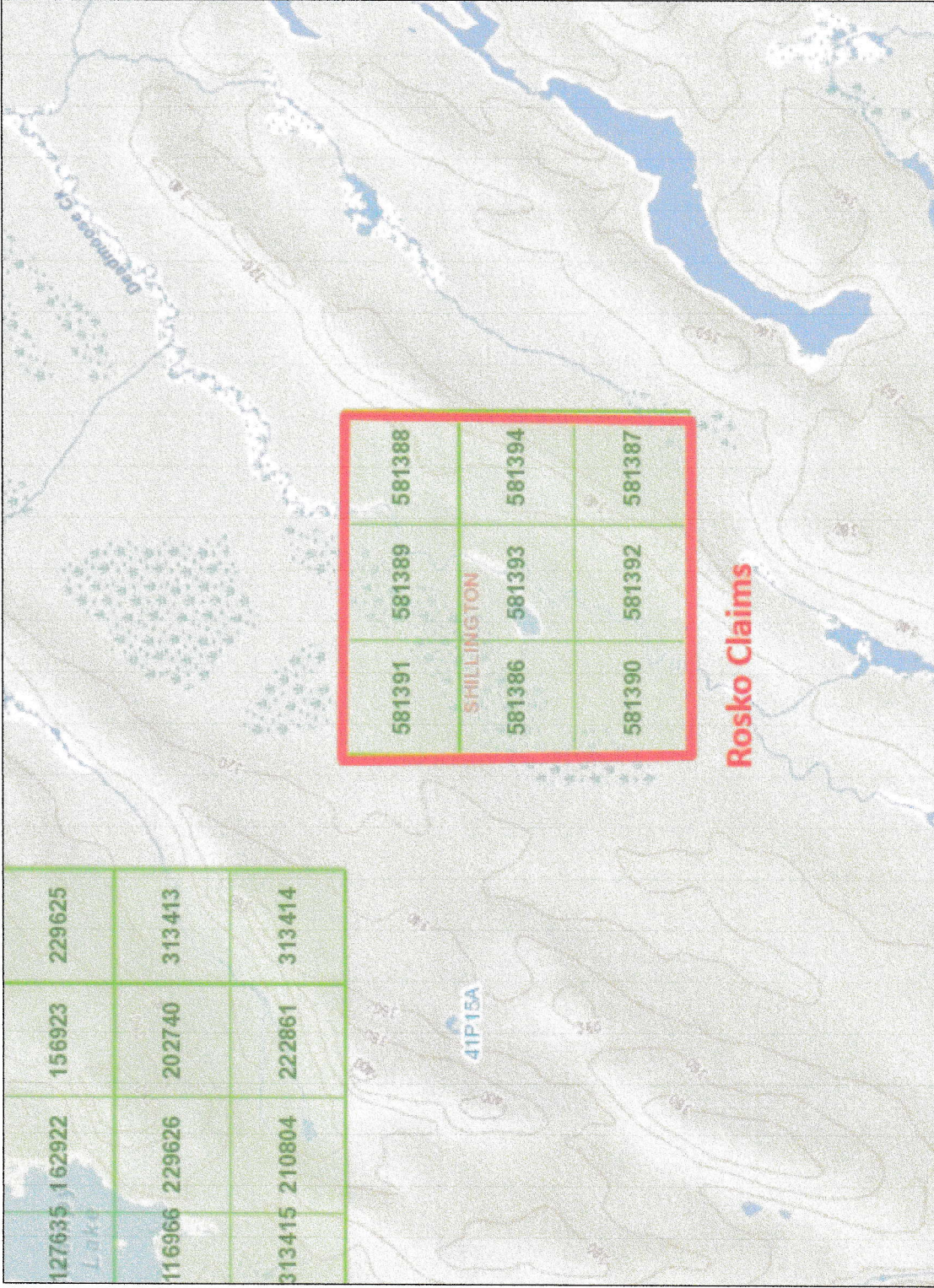
***Prepared for: Pat Rosko***

***Report by: Thomas O'Connor , Sept 07/22***

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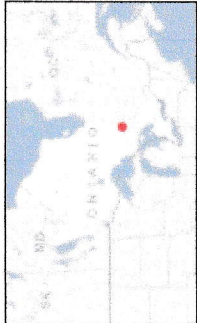
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**Legend**

- Provincial Grid Cell
  - Available
  - Pending
  - Unavailable
- Mining Claim
  - Mining Claim
  - Boundary Claim
  - Alienation
  - Withdrawal
  - Notice
- NDM Administrative Boundaries
  - NDM 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
  - AMIS Sites
  - AMIS Features
  - Drill Hole
  - Mineral Occurrences
- MLAS Mining History
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  - Provincial Grid 50K
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  - Mining Rights
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1.23 km



Projection: Web Mercator



Those wishing to register mining claims should consult with the Provincial Mining Recorders' Office of the Northern Development and Mines (NDM) 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 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 Northern Development and Mines (NDM) web site.

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### **Introduction**

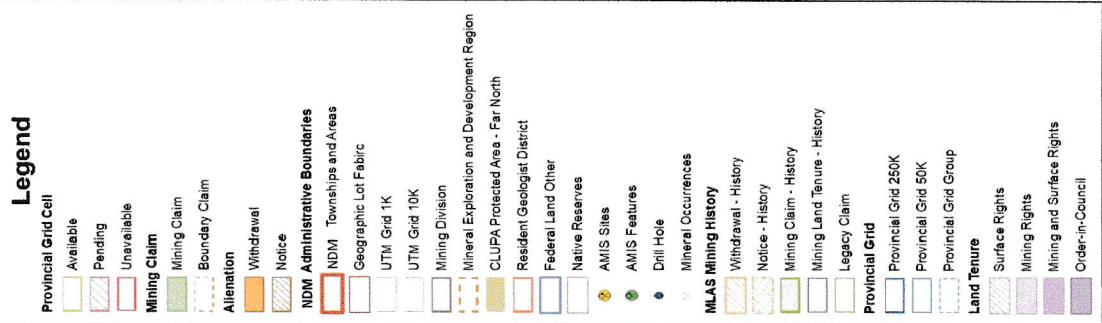
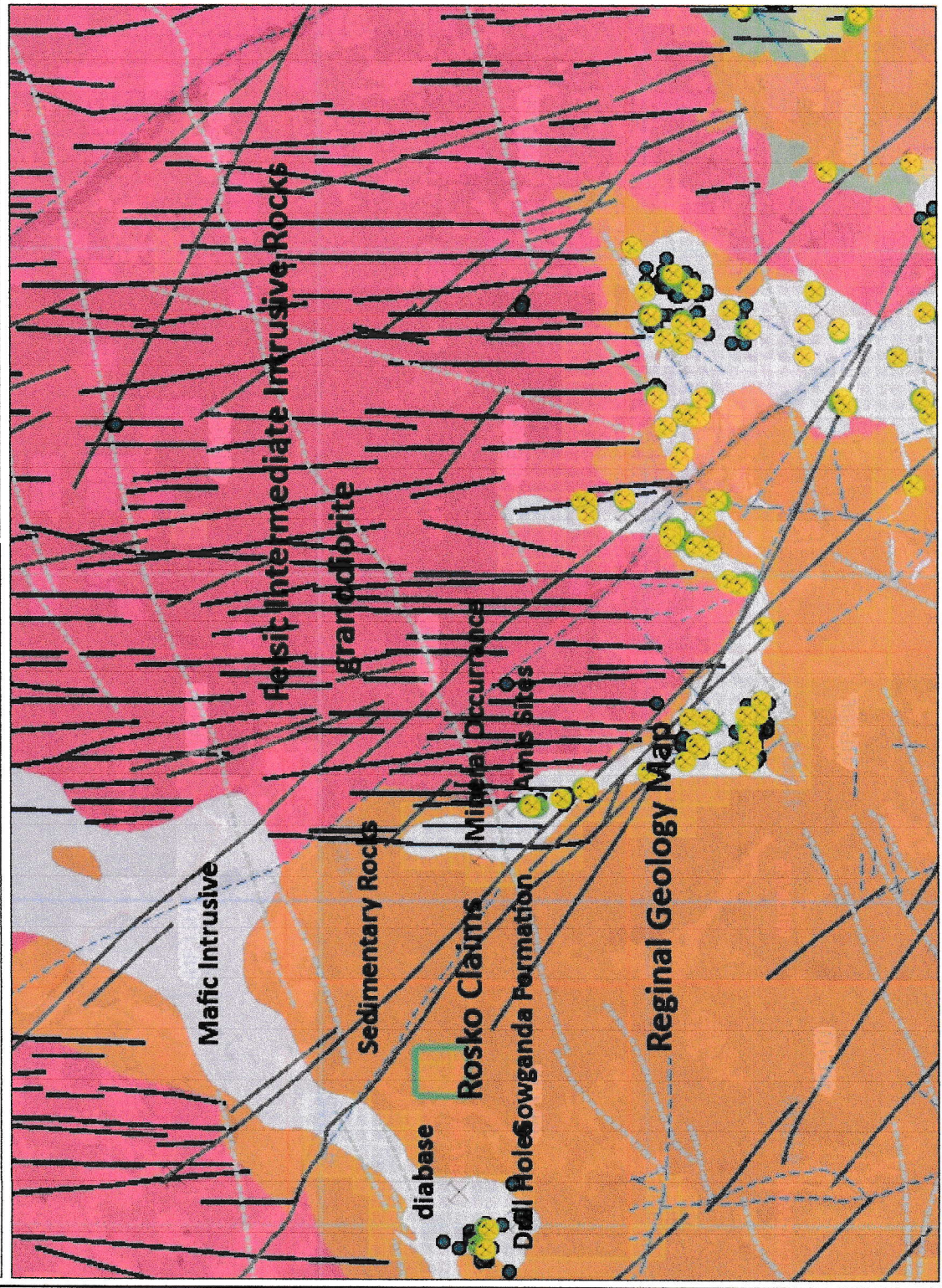
On August 9<sup>th</sup> 2022 a lake bottom sediment sampling program began on Dead Moose Lake located in the eastern central part of Shillington Township in the Larder Lake Mining Division in the District of Temiskaming. The property consists of 9 mining claims numbered as follows, 581386, 581387, 581388, 581389, 581390, 581391, 581392, 581393 581394. Persons present in the field were Pat Rosko ( supervisor), Martin Rosko, Fred Rosko and Cris Barrett ( helpers). Two days were spent on this program to obtain the lake sediment samples.

### **Location & Access**

The Rosko Property is located in the eastern central part of Shillington Township. The claim group covers part of the Dead Moose Creek which runs in a north east direction through the the claim group. In the center of the claim block is Dead Moose Lake which was the main focus of the program. Access was gained by a dry weather logging road which trends in a north direction off of highway 560 west of the Town of Elk Lake. The utm coordinates for the the logging road where it intersects hwy 560 are 17 U 535072E, 5279327N. The road heads east for 1.2 km then swings back to a north direction. The main road twists and turns to the north west then back to a northeast direction.. At 17 U , 531458E, 5291881N an older logging road heads north and is on the east side of Dead Moose Creek. At 17U , 532723E, 5293720N is a old tractor trail which heads west to the creek then follows the eastern side of the creek in a north direction to Dead Moose Lake. This trail can only be accessed by an all terrain vehicle. A boat was used to gain access to the lake .

### **Property & Regional Geology**

. The Rosko Claims are in Late Archean rocks are unconformably overlain by sedimentary rocks of the Early Proterozoic Gowganda Formation, which has been dated at 2240+/- 174 Ma by Rb-Sr methods. This is probably a minimum age of this unit. In the Cobalt Embayment, the Gowganda Formation consists of the lower, glaciogenic, Coleman Member and the conformably overlying fluvial-deltaic Firstbrook Member. To the north and west rocks equivalent to the Coleman Member occur in the area of Yarrow Township; these consist of a heterogeneous assemblage of diamictite (polymictic paraconglomerate), sandstone, siltstone and laminated mudstone with dropstones. Strata of the Gowganda Formation dip gently to the southeast. Nipissing intrusive rocks, which have been dated at 2219+/- 4 Ma, intrude both the Late Archean and Early Proterozoic rocks. In the map area, Nipissing intrusive rocks are represented by a few small outcrops of fine- to coarse-grained, locally pegmatitic diabase. No mineral occurrences are known to be on the the property at this time .



8.63 km



Projection: Web Mercator



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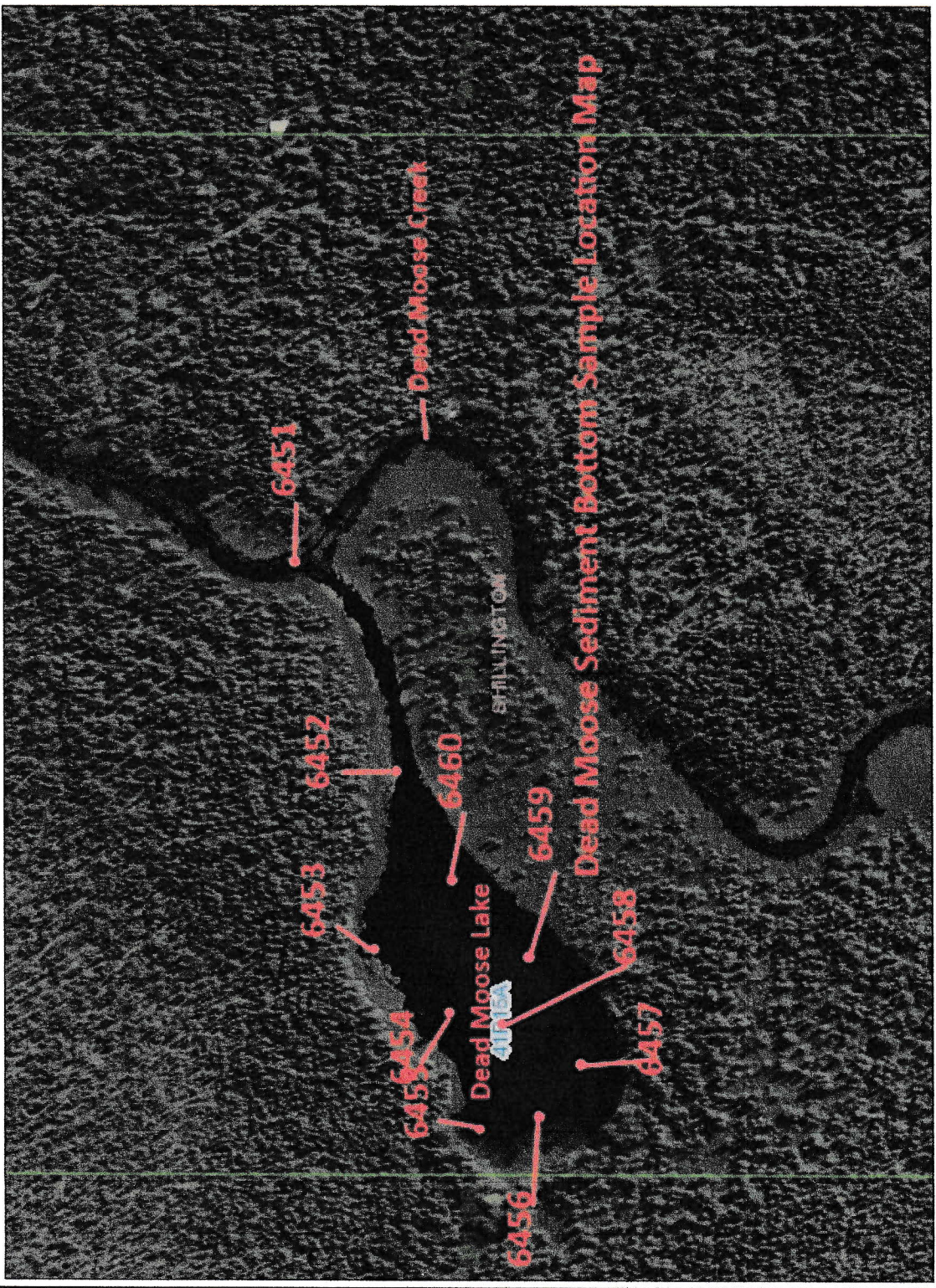


**The Work Program.**

On August 9<sup>th</sup> 2022 a four man crew left Kirkland Lake and travelled to the Rosko Claim Group to find access to Dead Moose Lake. The crew spent the first day clearing dead fall and brush on the northern road east of the Dead Moose Creek and the tractor trail that runs along the east side of the creek. The crew managed to get the boat to the creek by the end of the day. On August 10<sup>th</sup> 2022 the crew was able to take ten sediment samples using a 12 foot 1.5 inch pvc pipe to retrieve 10 samples. One on the creek and nine on the lake itself. This method was limited due to the length of the pipe. Where the water depth was greater than 12 feet sampling was not possible. The average depth of the water was 10 feet where the samples were taken.

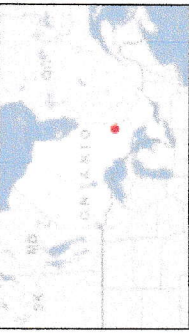
**Sample Descriptions & Locations**

Sample #	Description	UTM coordinates
6451	black loam, decaying vegetation	17U, 532567 E, 5294446 N
6452	black loam, decaying vegetation	532469 E, 5294407 N
6453	black loam, decaying vegetation	523391 E, 5294415 N
6454	black loam, decaying vegetation	532356 E, 5294391 N
6455	black loam, decaying vegetation	532310 E, 5294369 N
6456	black loam, decaying vegetation	532311 E, 5294345 N
6457	black loam, decaying vegetation	532333 E, 5294319 N
6458	black loam, decaying vegetation	532346 E, 5294346 N
6459	black loam, decaying vegetation	532392 E, 5294357 N
6460	black loam, decaying vegetation	532428 E, 5294380 N



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  - Mining Division
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  - CLUPA Protected Area - Far North
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- Federal Land Other**
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  - Drill Hole
- Mineral Occurrences**
  - Mineral Occurrences
- MLAS Mining History**
  - Withdrawal - History
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Sept 2, 2022

Report: A22-12006

Activation Laboratories Ltd.

Claim #

Analyte Symbol	Au	Pd	Pt
Unit Symbol	ppb	ppb	ppb
Lower Limit	2	5	5
Method Code	FA-ICP	FA-ICP	FA-ICP
CDN-PGMS-27	4230	1880	1180
Meats			
CDN-PGMS-27	4800	2000	
Cert			1290.00
Method Blank	5	<5	<5
Method Blank	6	<5	7

581386  
 581387  
 581388  
 581389  
 581390  
 581391  
 581392  
 581393

QC

Report: A22-12006

Activation Laboratories Ltd.

Results

Sept 2, 2022

Analyte Symbol	Au	Pd	Pt
Unit Symbol	ppb	ppb	ppb
Lower Limit	2	5	5
Method Code	FA-ICP	FA-ICP	FA-ICP
6451	39	<5	<5
6452	9	<5	<5
6453	11	<5	11
6454	14	6	24
6455	10	<5	<5
6456	12	6	9
6457	10	<5	<5
6458	15	6	10
6459	10	<5	<5
6460	9	<5	<5

Re/Claim # : 581386  
 581387  
 581388  
 581389  
 581390  
 581391  
 581392  
 581393

**Recommendations & Conclusions**

Due to the method of retrieving the lake sediments it was determined that the samples retrieved were only the muskeg and decaying vegetation layer that sits on top of the actual sediment deposits that could contain mineral accumulations. It is unfortunate that the lake sediment sampler that the Ministry of Mines was not available for loan. All samples were assayed for gold, platinum and palladium. Only trace amounts at best were obtained (see assay certificate). It is recommended that this would be more effective using the Ministry of Mines lake bottom sediment sampler in order to obtain samples of the sediment layer below the muskeg and decaying vegetation top layer.

A handwritten signature in black ink, consisting of several overlapping, fluid strokes that form a cursive name.

Thomas O'Connor

