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Prospecting Report on Mining claim 306355

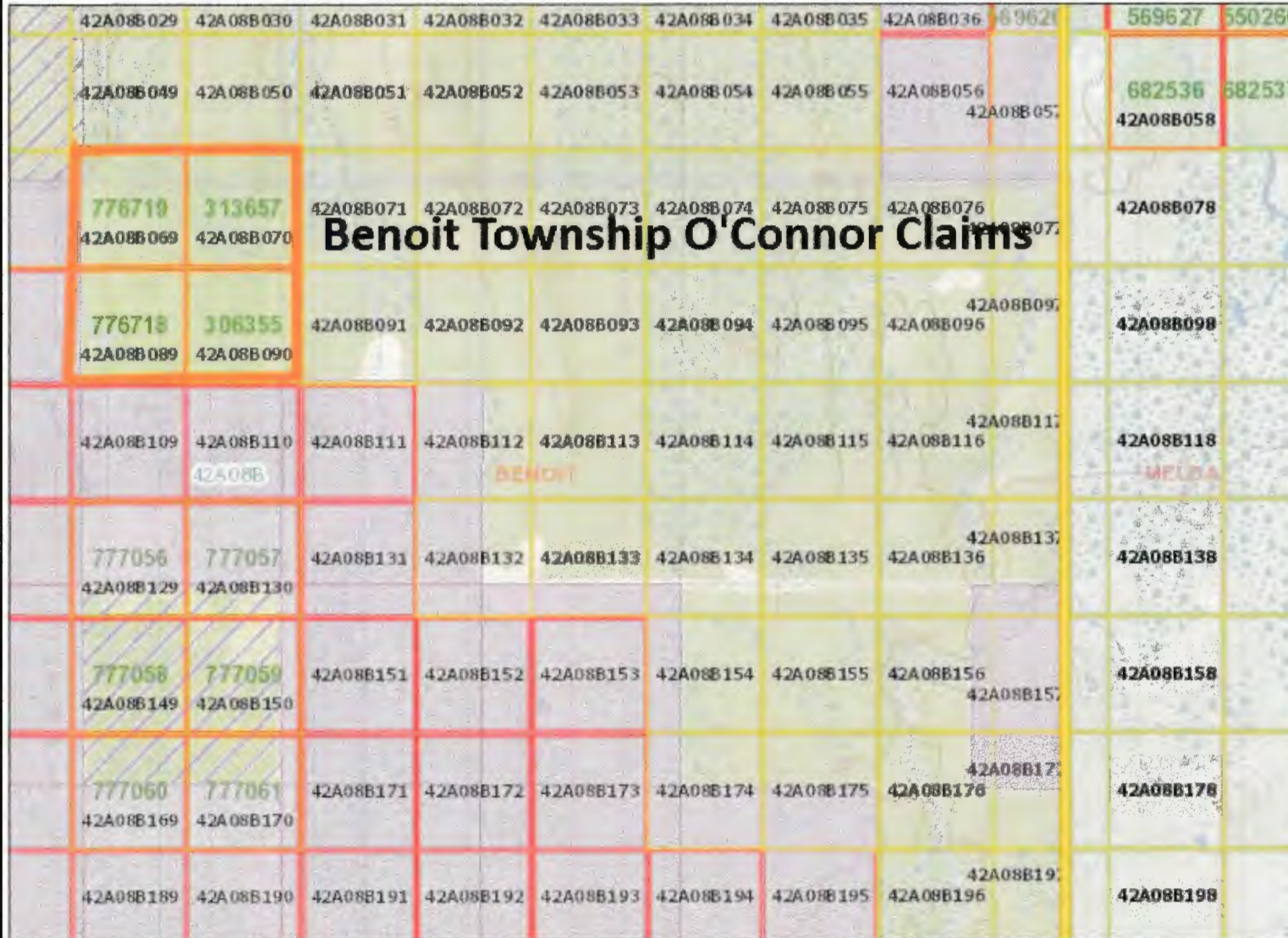
Located in Benoit Township in the Larder Lake

Mining Division , District of Timiskaming

Field work & report by : Thomas O'Connor

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Benoit Township O'Connor Claims

Legend

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 - Pending
 - Unavailable
- Mining Claim**
 - Mining Claim
 - Boundary Claim
- Alienation**
 - Withdrawal
 - Notice
- MINES Administrative Boundaries**
 - MINES Townships and Areas
 - Geographic Lot Fabric
 - UTM Grid 1K
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 - Mining Division
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 - CLUPA Protected Area - Far North
 - Resident Geologist District
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- Provincial Grid**
 - Provincial Grid 250K
 - Provincial Grid 50K
 - Provincial Grid Group
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 - Mining Rights
 - Mining and Surface Rights
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0 1.22 km

Projection: Web Mercator



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Introduction and Property Location

The property consists of four mining claim cells, they are as follows: 776718, 776719, 306355 & 313657. The four claims are located in central part of Benoit Township in the North half of Lot 5 Con III / 3. On March 12/23 a prospecting program was carried out by myself and my son Skyler O'Connor. The original tractor trail which leads north from the concession road between lot 5 & 6 was too overgrown to use a snow machine so it was decided to travel a creek system to the east of the property. The creek system is wide open and free of brush. We were able to get with in 287 meters of the east boundary.

Access: The property lies central to the east half of Benoit Twp., being halfway between the communities of Kirkland Lake and Matheson, Ont. The property can be approached by automobile within one half mile on three sides: east, south, and west. Access is gained by driving 3 miles east and 1 mile north by gravel road from Bourkes Corners on Highway 11.

The property consists of 4 unit unpatented mining claim L-4202278.

Geology

The property is underlain by calc-alkalic andesitic flows of the Black River series circa 2703 MTBP. The axis of Benoit Syncline, a possible crustal collapse axis, extending from Timmins to Val D'Or, transects the property east-westerly. The Black River Fault, being part of the Timiskaming Rift System transects the property from southeast to northwest. The intersection of the axis of the Benoit syncline and the Black River fault has produced extensive faulting, shearing and brecciation throughout the Jasperson prospect property. When coupled with considerable evidence of hydrothermal alteration throughout the property area, the above structures provide numerous potential hosts for lode gold deposition.

History of Development of John Jasperson's Hydrothermal Lode Gold Prospect, Benoit Township, Ontario, Larder Lake Mining Division. Adit and incline shaft was sunk by Thompson-Mcleod Circa 1921 on mining claim L-4202278, being southeast quarter north half lot 5 concession 3 Benoit Twp., following a 6 cm wide quartz vein which reportedly widened to 2 meters width 30 meters sub surface. Two wagon loads of ore were reportedly shipped to Kirkland Lake. **Free gold was reported to have been found in several places along the vein.**

Earl Bold Mines 1943-4 drilled 3 diamond drill holes averaging approximately 170 meters within a 6 claim group centered about the Thompson-Mcleod shaft. These holes were collared in 1 to 2 meters of overburden and tested andesitic flows for quartz veins containing gold. The core was logged and sampled by J.W. McBean but no record was kept of the assays or the location of the drill holes. McBean noted massive pillowed and brecciated andesites with minor chalcopyrite, specularite and pyrite particularly within breccia fractures and pillow selvages.

In 1967 Noranda Explorations Limited, in agreement with INCO, completed a ground follow-up VCEM and Magnetometer Survey of an INCO Airborne EM Anomaly (Loon16-88 located 400 meters north of the Thompson-Mcleod shaft and striking northwesterly for 600 meters) After locating the anomaly with the ground follow-up survey, 2 drill holes were attempted. The first was intended to test the main conductor but was lost in deep overburden. The second tested a minor east-westerly trending

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John Ward verified with AFMAG EM in 1979 that the main conductor had a depth extent continuation in excess of several hundred meters. He then staked more than 30 claims covering the conductor and surrounding ground.

In 1979 KLIP flew an airborne input survey over Benoit TWP.; No conductor was indicated over the Noranda-INCO conductor LOON 16-88. However, using a 0.2 division threshold, coinciding II and III channel long decay anomalies were later identified by Ward through inspection of KLIP Input survey flight records.

The KLIP overburden program in hole 1980-9, approximately 1200 meters down-ice from the Thompson-Mcleod shaft, returned a 99 percentile HMF assay of 150,000 PPB Au representing a 5 foot section approximately 52 feet sub-surface. **5 gold grains were observed on the shaker table which puts this Reverse Circulation hole in the 98 percentile category for gold grain count for the KLIP program.** This assay and gold grain count are of the same magnitude obtained in the KLIP program 1 kilometer down-ice from the McBean open pit gold mine, Dobie, Ont.,(NB Assays of the till taken by INCO within 300 meters down-ice of the McBean open pit mine all assayed below the 90 percentile for BRJM and KLIP gold in till. Reference OGS special vol. #3, (1989) pages 610-11.)

John Ward optioned these claims to Minefinders Limited in 1982 following a visit to the property by Michael David, Chief Geologist, Malartic High Grade Gold Mines accompanied by DR. McCaul PhD, Geological Consultant to Malartic High Grade. **They found that the Geology and rock types in the area of the Thompson-Mcleod shaft consisting of a progression from ultramafic 400 meters south of the shaft through intermediate volcanic to rhyolitic 200 meters northeast of the shaft to be identical to the geology and petrography of the Malartic High Grade Gold Mine.** Earlier mappings of the geology in this area do not agree with the above interpretation.

During 1982 to 1984 Minefinders cut a metric grid at 100 meter intervals over 40 claims covering the area of immediate interest. This was followed by geological mapping and magnetic surveying. Minefinders failed to keep the ground in good standing forcing John Ward to restake. The 100 meter grid interval of the magnetic survey was too widely spaced to assist in interpretation of the geology; furthermore interpretation was made to

be even more difficult by evidence magnetic drift correction errors of the order of 50 to 100 gammas in broad areas of very low magnetic relief.

In 1985 John Ward interested John Jasperson, a prospector in the ground and an agreement was reached whereby Jasperson would develop the claims holding 100% interest and Ward holding 1.5% NSR.

In the summer of 1986, prospectors Ward and Jasperson completed a Geonics EM16R survey of the main conductor area LOON 16-88 which indicated the presence of a weakly anomalous conductivity zone striking northwesterly with an interpreted width of 50 meters. Two AFMAG traverses verified a steep southwesterly dip. Self Potential by prospector Jasperson and VCEM detail by John Ward were completed in an area of shallower overburden lying to the west of the main conductor.

In 1987-8 backhoe trenching of the till next to the stoss side of the bedrock 500 meters down-ice of the main Noranda-INCO conductor returned 90 percentile gold grain count in comparison to the 5 years of OGS-BRIM backhoe overburden sampling. From inspection of BRIM data, Ward noted that 90% of 90-percentile backhoe gold-grain-counts in Matheson-lodgement-till lay closely down-ice from former producers or advanced gold prospects.

In 1989, consultant Bruce Jago, Phd., through interpretation of SEM (Scanning Electron Microscope) photographic detail of the backhoe gold grains observed that the limited abrasion indicated their source lay within 500 meters up-ice. Also, thin section and rock geochemistry studied by Bruce Jago, of large angular clasts in lodgement till lying within 400 meters to the west of the Thompson-McLeod Shaft, he found contained 10% to 45% carbonates and also that calcite predominately filled breccia fractures where present.

In November 1989 OPAP supported an attempt to penetrate the overburden with a Wink Sonic Vibracore Drill. This drill was unable to penetrate the 60 to 75 meters of overburden subsequently revealed by Reverse Circulation and Rotasonic overburden drilling. Bruce Jago subsequently reviewed the results and advised we seek a more suitable drill with greater depth capability.

In 1990 OPAP partially funded 4 Reverse Circulation drill holes by Heath & Sherwood Drilling of Kirkland Lake under the management of Overburden Drilling Management of Nepean and under the supervision of John Jasperson. Holes #1 and #4 were processed for gold grain count and gold assay by Overburden Drilling Management. The assays for gold in the HMF (Heavy Mineral Fraction) and gold grain counts for both holes were in the 90 percentile range with respect to 5 years of OGS-BRIM overburden drilling results. Both of these holes were approximately 300 meters down-ice from the main Noranda-INCO anomaly (Loon 16-88).

Reverse Circulation Hole #3 which lies a short distance from Loon 16-88, was processed in 1991. Hole #3 returned 71 gold grains with 46 pristine and 7 modified (74% of

total). This result encouraged completion of processing RCD Hole #2 which returned 132 gold grains of which 20 were pristine and 12 modified in Nov. 1991. One 15 meter section near the bottom of the hole returned only pristine and modified gold grains.

In 1991 Blegg Carbon Extraction for gold from twenty 1 kilogram lodgement till samples from 300 meters west of the Thompson McLeod shaft was carried out by Accurassey Labs of Kirkland Lake. Except for two highly anomalous results the free gold assays of the till returned 3 to 4 PPB gold. The occluded gold assays of the whole till returned 15 to 18 PPB gold.

In 1992 J Ward assisted by an OPAP grant cut 6 kilometers of new grid with base line striking north 50 degrees west followed by gravity surveying for the purpose of mapping overburden depths on the property. An 80 meter deep bedrock depression was indicated to strike northward from the vicinity of the Thompson McLeod shaft and a 60 meter deep bedrock depression was interpreted to underlie the new baseline striking north 50 degree westward across claim L884083.

With 1992 OPAP assistance J. Jasperson completed rock geochemistry 78 samples of outcrop over approximately 9 square kilometers covering the Benoit claims. Gold, copper, antimony, tungsten and arsenic supported the presence of a gold bedrock halo central to the claim group.

In January 1993 John Jasperson supervised a 2 Rotasonic drill program at sites identified by Hon Ward's Gravity Survey. One drill hole reached bedrock at 61 meters and the other was abandoned at a depth of 75 meters before reaching bedrock.

In February 1993 Arpad Farkas, Phd., carried out thin section studies of bedrock core samples of JJ93-N Rotasonic drill hole. Farkas identified minor chalcopyrite in pillow salvages of highly altered andesite. Farkas also performed binocular microscopy and electron microprobe analysis of heavy minerals from the lower samples of Reverse Circulation Drill Hole JJ90-01. Farkas noted that none of the garnets analyzed are from kimberlites and the diopsides analyzed contained no detectable chromium. Farkas also noted the ilmenite grains analyzed contained less than 3% MgO and therefore are not derived from Kimberlite.

In July 1993 OPAP support John Jasperson completed the processing of the Rotasonic core. ED Frey, Quaternary Geologist and former Resident Geologist, Wawa, Ont., completed logging the core of JJ93-N and JJ93 S identifying that the lower till predominating on the property, as a melt-out till and not fluvial Missinabi formation.

After tabling by Overburden Drilling Management 34 samples from the two holes returned the following results. JJ93-N produced 144 gold grains of which 75% were pristine or modified and JJ93-S produced 144 gold grains of which 73% were pristine or modified. These results compare favourable with the 99 percentile for the OGS BRIM project, 1984-87, where in 4 years 227 Rotasonic drill holes produced 1488 overburden samples. The BRIM project covered 38 townships in the vicinity of the

Destor Porcupine Fault, around Matheson, Ont., - an eastwest grouping just north of Benoit Township and the Jasperson Claims.

In 1993 the Geological Survey of Canada released an airborne EM INPUT and Total Magnetic Field Maps # 25053G and # 20371G at a scale of 1:20000. The new airborne survey indicated the existence of input anomaly 2550m - G coinciding with the descriptive location of INCO's AEM anomaly Loon 16-88.

In March 1994 Doctor Chris Gleeson reviewed the overburden drilling and bedrock geochemistry to date for the John Jasperson Benoit Township project. Doctor Gleeson recommended a program of REVERSE CIRCULATION OVERBURDEN DRILL HOLES which included overburden drill hole fences spaced at 100 meter intervals up-ice from ODH 1993-N. Gleeson also recommended detailed ground magnetic surveying of the area to assist in the better interpretation of the local geology and structures.

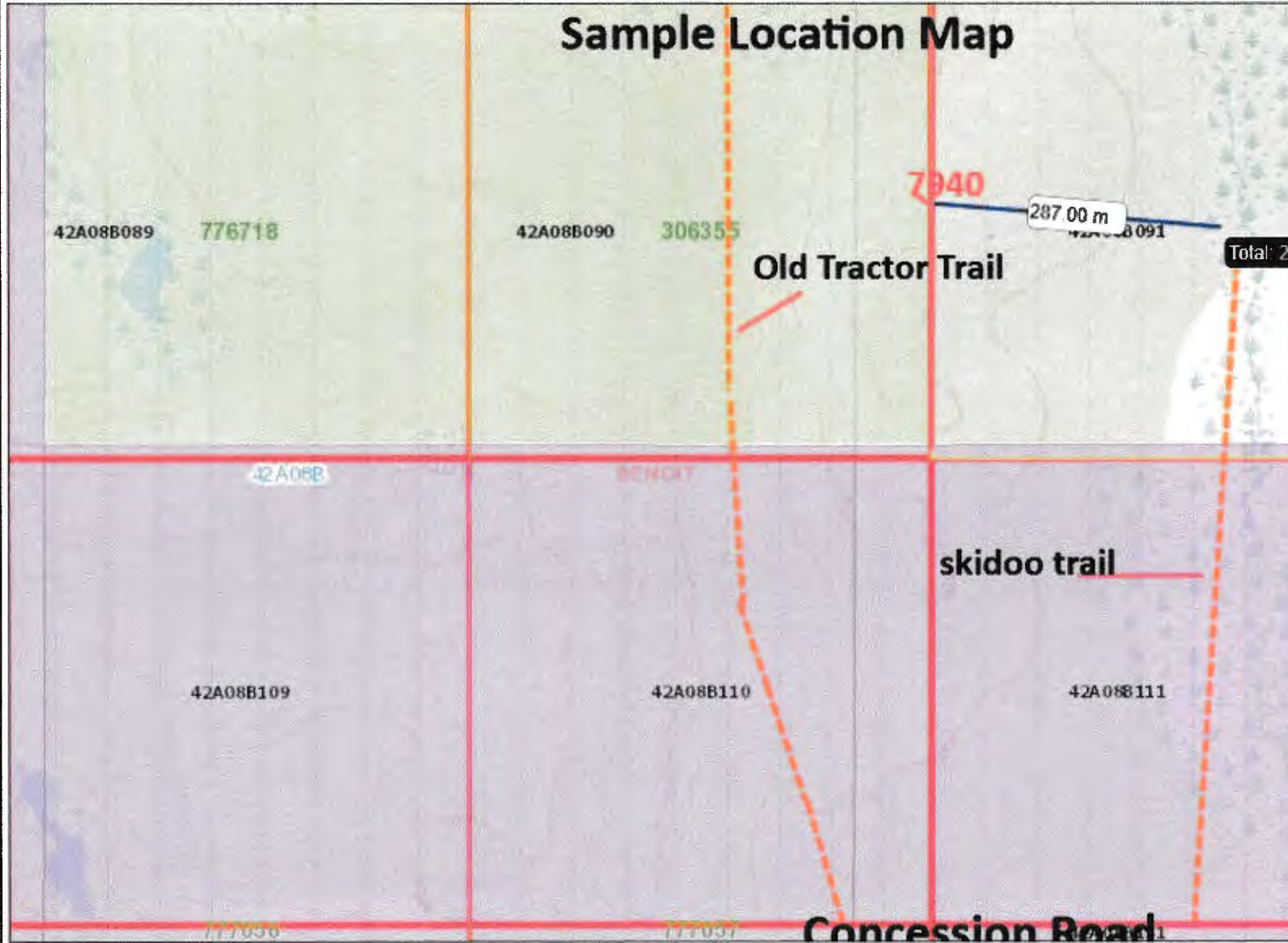
In 1994 through OPAP assistance 11 kilometers were added to the 1992 gravity survey grid and covered by detail magnetic and gravity surveying with the purpose of mapping deeply eroded bedrock as an aid to determine pathways of glacially dispersed gold grains in the till.

Program & Results

Traversing west from the open creek to the east of claim 306355 for 287 meters, the eastern limits of the claim was reached. The ground is fairly flat and is thick with tag alders. Birch, poplar and spruce are the most common mature trees in this location. A number of low lying outcrops were located in the area that sample 7940 was taken. The utm coordinates for sample 7940 are, 17 U 560238 E, 5351606N located 2 meters west of the east boundary. Unfortunately due to the time of year and with the snow conditions made it impossible to find sharp edges to break samples due to the low profile of the outcrop. After several attempts to retrieve samples one small outcrop had a exposure on the north face where sample 7940 was taken. A metavolcanic exposure rust in colour, slightly sheared in a north - south direction, fine grain, pale green in colour, trace amount of fine pyrite and slightly carbonated hence the rusty surface. Sample 7940 returned a gold assay of < 0.005, trace a best. Further work is planned in late spring when the snow is gone.



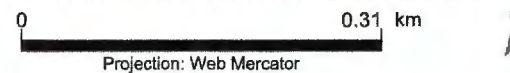
Thomas O'Connor



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Thomas OConnor

Report No.: A23-03413
 Report Date: 16-Mar-23
 Date Submitted: 13-Mar-23
 Your Reference: Benoit Township North

ATTN: Thomas Oconnor

CERTIFICATE OF ANALYSIS

1 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-50-Timmins - 10g/t	QOP AA-Au (Au - Fire Assay AA)	2023-03-16 11:42:44

REPORT **A23-03413**

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



LabID: 709

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CERTIFIED BY:

Mark Vandergeest
 Quality Control Coordinator

Results**Activation Laboratories Ltd.****Report: A23-03413**

Analyte Symbol	Au
Unit Symbol	g/mt
Lower Limit	0.005
Method Code	FA-AA
7940	< 0.005

Analyte Symbol	Au
Unit Symbol	g/mt
Lower Limit	0.005
Method Code	FA-AA
OREAS 239 (Fire Assay) Meas	3.50
OREAS 239 (Fire Assay) Cert	3.55
Oreas E1336 (Fire Assay) Meas	0.503
Oreas E1336 (Fire Assay) Cert	0.510
Method Blank	< 0.005
Method Blank	< 0.005