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ASSESSMENT REPORT

2016 PROSPECTING AND SAMPLING PROGRAM ON THE BOLTON BAY PROPERTY, THUNER BAY MINING DIVISION, NORTHWESTERN ONTARIO

NTS MAP SHEET 52B/15SE AND 16SW

For

Joe Hackl

P.O. Box 7, Shebandowan, ON,

POT2TO, Canada

By

Brent Clark

Clark Exploration and Consulting Inc.

1000 Alloy Drive

Thunder Bay, Ontario, Canada, P7B 6A5

January 2017

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1.0 INTRODUCTION

The author Brent Clark, of Clark Exploration was contracted to write an assessment report on the prospecting, trenching, and sampling program carried out between November 9th and 12th 2016 by the claim holders Joe, and Joey Hackl. The purpose of this prospecting, trenching and sampling program was to evaluate the property for gold and base metal potential, to become familiar with historic showings, and to determine what future work should be performed on the property. The author relied on reports written for Metals Creek Resources titled "2008 Summary prospecting programs on the Bolton Bay Property" dated March 2009, by Jeff Myllyaho for the property geology and regional geology. The exploration history in this report is an extract of a report titled "Report on the Bolton Bay Property for Green Ice Corporation" dated September 30, 1997, by Ian Campbell and Wesley Raven.

2.0 PROPERTY LOCATION, ACCESS AND DISTRIBUTION

The Bolton Bay property is located within the Thunder Bay Mining District in Northwestern Ontario within the Boot Bay and Henderson Lake Townships. The property is located on the northern and western shores of Bolton Bay which is in the south-central portion of Lac des Mille Lacs, approximately 100km west-northwest of the city of Thunder Bay, Ontario (Figure 1). The property is located within NTS map sheet 52B/15SE with portions of the property extending on to map sheet 52B/16SW. The Bolton Bay property comprises 7 contiguous, unpatented, staked claims, totaling 104 units and 1690 hectares (Table 1, Figure 2). These claims are owned by prospectors Joe and Joey Hackl. Access to the property is gained either by travelling 16km south along a gravel road that leaves Highway #17 approximately 3km east of Upsala Ontario, to Pine Point Resort located on north-central Lac des Mille Lacs and accessing the property by boat, or travelling by vehicle approximately 17km north along Lilly Lake road that leaves Highway #11 roughly 40km west of the community of Shebandowan Ontario. From these points, the claim blocks can be easily accessed by vehicle via logging roads, or boat from Pine Point Lodge, in the summer and snowmobile in the winter.

Figure 1: Location Map



Figure 2: Claim Map



3

Claim Number	Units	Township / Area	Recorder Holder	Recorder Holder2	Due Date
<u>4242912</u>	16	HENDERSON LAKE AREA (G-0730)	HACKL, JOE (50.00 %)	HACKL, JOEY CHRISTOPHER (50.00 %)	2017-FEB- 16
<u>4242913</u>	16	HENDERSON LAKE AREA (G-0730)	HACKL, JOE (50.00 %)	HACKL, JOEY CHRISTOPHER (50.00 %)	2017-FEB- 16
<u>4272498</u>	12	BOOT BAY AREA (G-2709)	HACKL, JOE (50.00 %)	HACKL, JOEY CHRISTOPHER (50.00 %)	2018-NOV- 18
<u>4279372</u>	12	BOOT BAY AREA (G-2709)	HACKL, JOE (50.00 %)	HACKL, JOEY CHRISTOPHER (50.00 %)	2018-APR- 05
<u>4282270</u>	16	BOOT BAY AREA (G-2709)	HACKL, JOE (50.00 %)	HACKL, JOEY CHRISTOPHER (50.00 %)	2017-OCT- 20
<u>4282271</u>	16	BOOT BAY AREA (G-2709)	HACKL, JOE (50.00 %)	HACKL, JOEY CHRISTOPHER (50.00 %)	2017-OCT- 20
<u>4282272</u>	16	BOOT BAY AREA (G-2709)	HACKL, JOE (50.00 %)	HACKL, JOEY CHRISTOPHER (50.00 %)	2017-OCT- 20

Table 1: Bolton Bay Land Tenure Data

3.0 REGIONAL GEOLOGY

The Bolton Bay regional area is underlain by metasedimentary and granitic rocks belonging to the Quetico Subprovince, as well as metavolcanics and mafic to felsic intrusive rocks belonging to the Wabigoon Subprovince of the Archean Superior Province. A major tectonic feature known as the Quetico Fault represents the contact zone and defines the suture between the two subprovinces. The Quetico Fault extends over a known length of over 500km and shows a close spatial association with the Geraldton and Mine Center gold camps east and west of the Bolton Bay property respectively (Campbell and Raven, 1997). This fault has been interpreted to strike east-west across the southern portion of the property underneath Bolton Bay. The medisedimentary group rocks, south of the Quetico fault, consist of biotite-quartz paraschist with intraformational conglomerate, banded magnetite iron formations and interbedded, quartzo-feldspathic, politic and tuffaceous sedimentary rocks. The metasediments are in gradational and interfingering contact with silicic tuffs belonging to the metavolcanic group. The metavolcanic rocks consist of silicic flow breccia, rhyolite, acid pyroclastic rocks and basaltic lavas that are massive, foliated and pillowed [and] include interbeds of tuff and agglomerate. The metasedimentary and the metavolcanics group rocks are isoclinally folded throughout the region with some outcrops affected by small-scale second folds (Kaye, 1967).

4.0 PROPERTY GEOLOGY

The Bolton Bay property is underlain by an east-west trending sequence of mafic pillowed andesite with local basaltic and rhyolitic flows as well as some interbedded agglomerate. Gabbroic dykes (possibly sills) along with rarer feldspar porphyry units intrude the metavolcanic sequence. The Quetico Fault is an east-west "break" transecting the southwestern portion of the property and represents the contact between the northern metavolcanic group and the metasedimentary group to the south.

Piercey (1997) describes 4 different lithostratigraphic groups within the property which are: 1) mafic to intermediate metavolcanics and volcaniclastics; 2) chloritic schists and mylonites; 3) metasedimentary rocks of the Quetico Subprovince and 4) felsic intrusive rocks.

The mafic to intermediate metavolcanics predominate the western part of the Bolton Bay property. Dark green/grey ranging to lighter green/grey coloured massive flows are the dominant form with subordinate dark green/grey pillowed flows ranging from 35-75cm wide and face south. Overall, volcaniclastic rocks are a minor constituent of the property but occur almost exclusively on the western portions of the property in the Clear Lake region primarily as tuffaceous units. The tuffs show pervasive silicification, a distinctive grey-green colouration and well developed layering.

Chloritic schists and mylonites occurs across the northern parts of the property and are virtually identical over the length of the claim boundary. Alternating green coloured chlorite and white coloured quartz-rich layers are typical throughout these rocks over most of the property. Areas in exceptionally close proximity to the Quetico Fault display a distinct black to forest green colouration which contrasts with rocks described above which show a lighter green colour.

Metasedimentary Rocks of the Quetico Subprovince outcrop in the south western portion of the claim block. These metasedimentary rocks are fine to medium grained, contain granular quartz, minor feldspar, abundant biotite and muscovite and are pelitic in composition. Foliations present as aligned mica are weakly developed and small rafts of intercalated silicified mafic material are visible within the metasediments that are proximal to the Quetico Fault.

Felsic intrusives make up only a minor overall portion of the rocks on the Bolton Bay Property. These rocks are restricted to the southern portion of the property where the Quetico metasediments are located in proximity to the Quetico Fault. The felsic intrusive rocks are typically syenite and monzosyenite and occur as 4-5m wide plugs and aplitic dykes. The syenite and monzosyenite contain euhedral to subhedral plagioclase and potassium feldspar grains 3-4mm in size as well as similar sized, rounded quartz crystals. The aplitic dykes have very fine grain size and are often folded coincident with the deformation in the surrounding metasedimentary rocks.

5.0 PROPERTY MINERALIZATION

The mineralized zones across the property have been described by Campbell and Raven (1997) and Piercey (1997) and are listed as: 1) East Zone, 2) West Zone, 3) Zones 1 &2, 4) Clear Lake East, 5) 1925 showing.

The East and West Zones are both hosted in silicified, carbonatized, mafic volcanics with quartz and quartz stockwork veins containing pyrite with lesser arsenopyrite and chalcopyrite. The West Zone shows veins that display local concentrations of up to 20% sulphide but average <5% overall. The East Zone is very similar in nature but exhibits slightly less quartz stockwork and sulphide content. Both zones have returned historical and recent anomalous gold values by several different operators. More historically, Canadian Nickel Company Limited (Inco) reported that 14 (33%) out of 43 chip and grab samples collected at the West Zone returned assay values> 1 g/t Au. Also reported was that out of the 43 samples, only 2 were not weakly to moderately anomalous and the highest assay was 22g/t from a sample of quartz with about 15% pyrite. 11 samples were taken on the East Zone by Inco and all but 3 returned weakly to moderately anomalous assays. These assay values were from a 1986 geological report by Inco, which was following up on numerous, high grade, 1985 reconnaissance sampling grading up to 116 g/tAu, 567 g/t Ag at the West Zone and a 0.7m chip sample from the East Zone assaying 11.4 g/t Au and 91.5 g/t Ag. Historically the mineralization at the West Zone was diamond drill tested by Falconbridge (1974) where one drill hole returned 0.13 oz/t Au over 23feet (7.01m) including 0.288 oz/t Au over 10 feet (3.05m). More recent grab samples at the West Zone have shown 1.635 oz/t Au (50.85 g/t) by Green Ice Corporation in 1996 and a 5.813 g/t Au, 175.38 g/t Ag, 1.34% Cu grab sample taken during the 2008 prospecting program by Metals Creek Resources.

Zones 1 &2 (and 3&4) are located approximately 3km west of the West Zone and are part of a broader zone that is roughly 100m wide by 350-400m long. The mineralization in these zones is hosted by carbonatized mafic volcanics and chloritized schists with 2-5cm wide quartz-carbonate veins and smaller veinlets. Sulphide content consists of cubic pyrite, chalcopyrite and arsenopyrite totaling up to 10% locally throughout this area and occurs in both veins and in the carbonatized host rock. Generally, the chloritic schists contain fewer sulphides (averaging <2%) when compared to the carbonatized mafic volcanics.

The Clear Lake East showing contains quartz veins hosted by a carbonatized quartz breccia in a north-easterly contact with a massive, mafic volcanic flow. This area contains two separate vein sets; one being a barren set of narrow veins cross-cutting foliations and a 0.45m wide, semi-conformable vein extending for approximately 2m. Limited historical sampling had been completed around this showing, with grab samples taken by Green Ice Corporation returning assay values of 15.86 g/t Au, 8.017 g/t Au and 7.788 g/t Au. A Green Ice drillhole intersected a brecciated, milky-white quartz-carbonate vein, displaying chlorite as the matrix surrounding brecciated fragments from 14.85 to 15.24m. This 0.39m interval returned a value of 1003 ppb Au. The vein is located at the contact between an intermediate flow and a gabbroic unit. A highly anomalous gold value was returned from a sample of milky-white, weakly sheared, quartz-carbonate vein material containing sericite, trace to 2% chalcopyrite and pyrite, and hosted within the shear planes. Trace tourmaline also occurs within the quartz material. Sample 90144 assayed 20371 ppb Au (0.594 oz/t) over 0.53m from 25.62 to 26.15m. This quartz vein has been interpreted by Green Ice as the likely down-dip extension of the surface showing.

The 1925 showing, named for the location from where it was discovered on the historic grid, is present along an elevated outcrop which has been interpreted to trend east-northeast. Two different rock types are present and are a dark green coloured, silicified mafic flow containing up to 5% pyrite, chalcopyrite and arsenopyrite occurring exclusively on the north side of the hill,

and a carbonatized and silicified schist which occurs on the southern side and has a foliation mapped with a dip of 20 degrees with a 300 degree strike. Small, 8-20cm wide quartz veins are present throughout both rock types, contain minor disseminated sulphide and have returned assay values of 15.47 g/t Au.

7.0 EXPLORATION HISTORY

Property History

The following property history has been compiled largely by Ian Campbell and Wesley Raven (1997) on behalf of Green Ice Corporation.

1928-31: T.L. Tanton mapped portions of the property and reported two gold occurrences north of Bolton Bay on Lac des Mille Lacs (GSC Map 432A, 1938). These two gold occurrences correspond to the occurrences now known as the East and West Zones.

1974: Falconhridge Nickel Mines Ltd. optioned the claim block containing the East and West Zones from D. Galley of Thunder Bay. Falconbridge completed a trenching program followed by 4 drill holes totaling 1857 ft (566.01m). Drill logs indicate two of the holes encountered quartz stockwork zones up to 59 ft (17.98m) in core length and contained up to 3-5% pyrite, minor chalcopyrite, scheelite, and seams of a silvery-grey mineral, possibly arsenopyrite. One of these drill logs reports gold assays of 0.13 oz/t Au over a core length of 23 ft (7.01m) from a hole which appears to have tested the West Zone. The other drill holes reported anomalous gold values over narrow widths and the option was later dropped.

1981-82: Lacana Mining Corporation, as operator of the Canadian Minerals joint venture, staked 62 claims comprising 14 groups in the southern Lac des Mille Lacs area following the release of the OGS Airbourne INPUT survey. Several strong EM conductors were delineated, some with coincident positive magnetic responses. Follow up work by Lacana included varying amounts of horizontal loop EM, MaxiMin II, horizontal shootback, vertical CEM, and ground magnetics in order to investigate the airbourne EM responses. Additional work was recommended but not performed and the claims were allowed to lapse.

1982: Teck Exploration Limited staked 4 claims for the Sulphide Syndicate to cover Input Anomalies 23680C-23710A and 23690A from the OGS airborne survey. The property was located north of the Bolton Bay claim 4282270. Four lines of shootback were run returning negative results followed by no recorded additional work.

1985-88: Canadian Nickel Company Limited (Canico) held a group of 12 contiguous claims covering the known gold occurrences between 1985 and 1988. An exploration program consisting of gridding, geological mapping, trenching and surface geophysics (magnetics, VLF-EM, radiometrics) was completed. The author recommended diamond drilling yet no further work was completed.

1989: Goldbrook Exploration Inc. held 108 claims covering areas currently held by Joe Hackl, or adjacent to the existing claim block. Terraquest carried out airborne magnetic and VLF-EM surveys over the area attempting to delineate several moderate to strong EM conductors. The magnetic data was used to modify and update the existing geology and showed a number of new contacts and faults. Numerous strong VLF-EM conductors were associated with surficial sources, while several are associated with either bedrock or structural sources that were recommended for additional investigation.

1996-98: Green Ice Corporation:

- Prospecting by the vendor in the summer of 1996 resulted in the discovery of new gold occurrences along the western trend of the known occurrences. The new discoveries were called Hackl 1 & 2 Zones. These zones are comprised of quartz and quartz-carbonate breccias and vein stockworks accompanied by pervasive fuchsitic alteration and varying amounts of pyrite. Grab samples obtained from the Hackl I Zone returned gold grades up to 10.82g/t Au.
- Green Ice completed a Phase I exploration program on the property during the summer of 1997. The program consisted of detailed property wide geological mapping, rock sampling, and limited ground geophysical surveys including magnetics and induced polarization (IP). 58.5 line kilometers of wing lines were cut perpendicular to a 10.825 line kilometer, eastwest trending base line to cover Zone 1, Zone 2 and the East and West Zones. A total of 28.026 line kilometers of magnetic data was collected and 7.5 line kilometers of Induced Polarization was completed over the grid. In addition to this work, further sampling was completed on the gold zones discovered in 1996.
- During the winter of **1998**, Geoserve Canada Inc. of Timmins, Ontario completed 30.15km of line cutting and 14.025 line kilometers of I.P. on the Bolton Bay property. The survey delineated several east-west trending conductive zones as well as several east-west trending resistive zones, some of which are coincident with gold in rock occurrences. This work expanded upon an I.P. survey conducted for Green Ice Corporation Ltd by JVX of Richmond Hill, Ontario during the spring of 1997.
- Four drill targets were selected and drilled based upon results obtained from the two surveys and from a prospecting and geological mapping program completed during the summer of 1997. The drill program consisted of four (4), angled diamond drill holes for a total of 448.17 meters. Generally, the results of analysis for gold were low apart from a narrow intersection in diamond drill hole BB-98-03. A sample of a 0.53 meter wide (apparent width) quartz vein assayed 20.37 g/t Au.

2008: Metals Creek Resources conducted reconnaissance prospecting programs to evaluate the property for gold potential. A total of 63 samples were taken over the three prospecting programs and assayed for Au, Ag, and Cu. Highlighted grab assay values of Metals Creek Resources sampling are described below

West Zone:

- TR1-08-002: 1.656 g/t Au within a historic trench; quartz vein with up to 10% pyrite, chalcopyrite, and minor galena; rafts of volcanics within quartz.

- TR1-08-003: 5.813 g/t Au, 175.38 g/t Au, 1.344% Cu within the same historic trench as TR1-08-002; also within quartz vein with up to 10% pyrite, chalcopyrite and minor galena; rafts of volcanic

Clear Lake Showing:

- JMM-08-032: 17.207 g/t Au, 0.242% Cu within thin, carbonate-rich, quartz stringer; total 1% sulphide with even ratio of pyrite and chalcopyrite.

1925 Showing:

- JMM-08-037: 0.332 g/t Au from a 10cm barren quartz pod within highly to moderately carbonatized rocks.

8.0 CURRENT PROGRAM

From the 9th to the 12th of November 2016, Joe, and Joey Hackl conducted a trench mapping, bedrock stripping, sampling and, reconnaissance prospecting program to evaluate the property for gold and base metal potential, to determine what future work should be performed on these claims. Sampling and mapping was performed around the 1925 historic trench and around a mafic trench in the southwestern portion of the property.

A total of thirteen (13) samples were taken over the course of the program and assayed for Au, Pt, Pd, Cu, and Ni with a complete list of sample numbers, locations, descriptions, and assay values presented in Appendix I at the back of this report. One of the samples (BB65) was submitted for block rock analysis. Highlighted grab assay values (>1.0 g/t Au) of the sampling are described below:

- BB62 **0.45% Cu, 0.16% Ni**, sample taken from mafic trench(?). Coarse grained pyroxene, rusty to green in colour, 3% pyrite, 1% chalcopyrite.
- BB67 **1.831 g/t Au**, sample taken from historic 1925 trench, quartz vein material with 1% pyrite
- BB70 **1.8 g/t Au**, sample taken from historic 1925 trench, brown, cream to black in colour, 10% carbonate with 2% pyrite.
- BB71 **1.472 g/t Au** quartz vein material, 20% carbonate, black pyrite vein with 4% pyrite
- BB72 1.457 g/t Au, Quartz vein material, white to green veinlets with trace (<1%) pyrite.

9.0 CONCLUSIONS AND RECOMMENDATIONS

The prospecting, stripping, and trench mapping program was successful towards familiarizing the claim holders with the property geology and some of the historic showings on property. The prospecting program proved to be useful in delineating areas to focus future work on. It is recommended that future programs focus on trenching, mapping and sampling the Clear Lake showing, West Zone, Zone 1-4 showings. Upon completion of a successful trench sampling program, an IP survey program should be carried out to further outline targets of increased sulphide content or alteration zones like the West Zone as well as Zone 1-4.

10.0 REFERENCES

Aubet, A. 1988. Bolton Bay Project, Geological Report, Lac des Milles Lacs Ontario, *Canadian Nickel Company Limited*.

Barrie, C.Q. 1987. Report on an Airborne Magnetic & VLF-EM Survey Lac des Milles Lacs for *Goldbrook Explorations Inc.* by Terraquest Ltd.

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Falconbridge Nickel Mines Ltd. 1974. Diamond Drill Report. AFRI File: 52B 15SE0020; AFRO ID: 14

Kaye, L. 1967. Geology of the Eastern Lac des Milles Lacs Area, District of Thunder Bay; 1-6p.

Myllyaho, Jeff. 2009. 2008 Summer Prospecting Programs on the Bolton Bay Property, *Metals Creek Resources*.

O'Connor, A. 1998. Report on the Induced Polarization and Diamond Drilling Bolton Bay Property, Lac des Milles Lacs, Northwestern Ontario, *Green Ice Corporation*.

Piercey, S. 1997. Report GR-1997-3: Lithostratigraphy, Structure and Mineralization Styles of the Bolton Bay Mesothermal-Au Prospect: Lines IOW to 4W.

Thorsen, K. 1982. Report on the Geophysical Surveys on Group AT -11 Boot Bay Area for the *Sulphide Syndicate*.

Wells, R.C. 1981. Report on Exploration During 1981 for the Upsala Project, Thunder Bay District, Ontario, *Lacana Mining Corporation*.

APPENDIX I

List of Sample Numbers, Descriptions and UTM Coordinates

Sample_Number	Easting	Northing	Au_g/t(ppm)	Pt_g/t(ppm)	Pd_g/t(ppm)	Cu_g/t(ppm)	Ni_g/t(ppm)	Description
BB61	679790	5405237	0.012	0.015	<0.01	1302	569	Fine grained pyroxene, 2% py, s/m
BB62	679791	5405234	0.025	0.051	0.040	4474	1567	coarse grained pyroxene, rusty/green, 3%py, 1%cpy, m/m
BB63	679784	5405228	<0.005	0.020	0.014	1101	506	Fine grained pyroxene, w/s Rusty, f/s grey, s/m 2% fg py
BB64	679783	5405217	<0.005	<0.015	<0.01	115	369	Coarse grained, mafic black, trace py, m/m
BB65	678831	5406999						weathered surface rusty red, fresh surface red, sheared, trace py
BB66	678832	5407002	<0.005					weathered surface; rusty red, fresh surface; white/red, sheared quartz veinlets with trace py
BB67	678832	5407005	1.831					weathered surface; rusty red, fresh surface; white quartz vein material 1% py
BB68	678834	5407005	0.007					weathered surface; rusty red, fresh surface; white, green, cream, trace py 3% carbonate
BB69	678831	5407005	0.844					weathered surface; brown, fresh surface; white cream to black, 10% carbonate, 2% py
BB70	678831	5407005	1.800					weathered surface; brown, fresh surface; white cream to black, 10% carbonate, 2% py
BB71	678838	5406997	1.472					quartz vein material, 20% carbonate, black vein py in black vein 4% py
BB72	678826	5407004	1.457					Quartz vein material, white with green veinlets, trace py
BB73	680436	5406934	0.000					Mafic course group(?) (chromite)

APPENDIX II

Personnel Involved with Prospecting Program

Personnel included in the 2016 Prospecting, trenching, mapping, and sampling program

Joe Hackl

Pat Hackl

Joey Hackl

APPENDIX III

Daily Work Log of Personnel

<u>November, 9, 2016</u>

- Joe/Pat
- 11hr backhoe
- Move hoe into claims and locate '1925 Zone'. Make trail to zone, map and prospect around 1925 zone.

November, 10, 2016

- 10 hours backhoe
- Map mafic trench
- Samples BB61-BB64 taken from the mafic zone

November, 11, 2016

- Joe/Pat
- 11 hours backhoe
- Start trail to Zone #1 and Zone #2
- Mapping along trail

November, 12, 2016

- Joey, Pat, Joe
- Finish trail to Zone #2. Start to bring machine to Mafic Zone.
- Samples BB65-BB72 taken from the 1925 trench. Sample BB73 taken from near Zone #1

APPENDIX IV

Laboratory Certificates of Analysis

	RAS ATOR	Laboratory Address: 1046 Gorham Street, Thunder Bay, ON P7B 5X5 Ph: 807-626-1630 Fx: 807-622-7571 SXX I E S	Please Remit to: Accurassay Laboratories I PO Box 177, Lambeth Sta London, ON, N6P 1P9 Ph: 519-266-4640	.td. tion	INVOICE
Involced to: Hackl, Mr. Joe PO Box 7 Shebandowan, ON POT Canada	2T0	Analyzed For: Hackl, Mr. Joe PO Box 7 Shebandowan, ON P0T2T Canada	70	Invoice N Date: Page Cust. No	DE IN124939 Dec 20, 2016 1 0.: 0027
Businesss No: 10029	4768	Terms: N30		Due Date:	Jan 19, 2017
Code	Qty	Description		Unit Price	Amount
ALP1 ALCUAR1 ALAR1ADD ALFA1 ALXR1	12 4 7 1	Dry, Crush (<5kg) 70%-10 mesh, Split 500g, Pulv 85%-200 Mesh Pt Pd Au (FA/AAS,30g) Copper Analysis, AAS Finish, Aqua Regia Digestion Add. Elemental Analysis, AAS Finish, Aqua Regia Digestion Gold (FA/AAS, 30g) Whole Rock Analysis by fused disk, XRF		8.80 18.20 4.45 1.50 14.90 32.00	105. 72. 17. 6. 104. 32.
Notes:			Tax Summary: HST 44.01 QST 0.00	Sub-Total Total Taxee	338 44 382



Thunder Bay, ON Canada P78 5x5

1046 Gorham Street Tel: (807) 626-1630 www.accurassaf.com Fax: (807) 622-7571 assay@accurassay.com

Tuesday, December 20, 2016

Final Certificate

Hackl, Joe Box 7 Shebandowan, ON, CAN P0T2T0 Ph#: (807) 926-2879 Fax#: (807) 926-2879 Email: jhackl@tbaytel.net						Date Receive Date Complete Job Reference Sample	d: 12/09/2016 d: 12/20/2016 #: 201642448 e: #: 12
Acc #	Client ID	Au g/t (ppm)	Pt g/t (ppm)	Pd g/t (ppm)	Cu ppm	Ni ppm	
243562	BB61	0.012	0.015	<0.01	1302	569	
243563	BB62	0.025	0.051	0.040	4474	1567	
243564	BB63	<0.005	0.020	0.014	1101	506	
243565	BB64	<0.005	< 0.015	< 0.01	115	369	
243567	BB66	<0.005					
243568	BB67	1.831					
243569	BB68	0.007					
243570	BB69	0.844					
243571	BB70	1.800					
243572	BB70 Dup	1.884					
243573	BB71	1.472					
243574	BB72	1.457					

APPLIED SCOPES: ALP1, ALFA1, ALPG1, ALXR1, ALCuAR1, ALNiAR1

Validated By:

Jason Moore, VP Operations, Assayer

243575 BB73

Certified By: Jason Moore, VP Operations, Assayer

rized By

Derek Demianiuk, VP Quality

The results included on this report relate only to the items tested. The Certificate of Analysis should not be reproduced except in full, without the written approval of the laboratory.

19



Canada P78 5X5

1046 Gorham Street Tel: (807) 626-1630 www.accurassay.com Fax: (807) 622-7571 assay@accurassay.com

Tuesday, December 20, 2016

Final Certificate

Hackl, Joe Box 7 Shebandowan, ON, CAN POT2TO Ph#: (807) 926-2879 Fax#: (807) 926-2879 Email: jhackl@tbaytel.net

Date Received: 12/09/2016 Date Completed: 12/20/2016 Job #: 201642448 Reference: Sample #: 12

Control Standards								
QC Type	Element	QC Performance (ppm)	Mean (ppm)	Std Dev (ppm)				
AP10	Pt	0.364	0.346	0.018				
AP10	Au	0.310	0.318	0.042				
AP10	Pd	6.010	6.070	0.310				
WW06	Au	1.016	1.100	0.060				
A605	Ni	1413	1538	63				
A605	Cu	47083	49800	1570				

APPLIED SCOPES: ALP1, ALFA1, ALPG1, ALXR1, ALCuAR1, ALNIAR1

Validated By:

Jason Moore, VP Operations. Assayer

Certified By:

Jason Moore, VP Operations, Assayer

Derek Demianiuk, VP Quality

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Canada P78 5X5

1046 Gorham Street Tel: (807) 626-1630 www.accurassay.com Fax: (807) 622-7571 assay@accurassay.com

Monday, December 19, 2016

Hackl, Joe Date Received: 12/09/2016 Box 7 Date Completed: Shebandowan, ON, CAN Job #: 201642448 **P0T2T0** Reference: Ph#: (807) 926-2879 Sample #: 12 Fax#: (807) 926-2879 Email: jhackl@tbaytel.net P205 Ti02 V205 SO3 LOI Mass Balance Mn0 Cr203 Client ID Fe203 Si02 AI203 Na20 Mg0 K20 Ca0 Acc # % % % % % % % % % % % % % % % 102.53 0.21 0.17 0.23 0.01 0.07 5.62 243575 **BB73** 12.86 38.82 2.45 0.28 34.54 0.19 7.04 0.06 APPLIED SCOPES: ALP1, ALFA1, ALPG1, ALXR1, ALCuAR1, ALNiAR1 **Reviewed By:** Verified By: Authorized By: Validated By: **Certified By:**

Final Certificate

Derek Demianiuk. VP Quality

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Thunder Bay, ON Canada P78 5X5

1046 Gorham Street Tel: (807) 626-1630 www.accurassay.com Fax: (807) 622-7571 assay@accurassay.com

Monday, December 19, 2016

Hackl, Joe Box 7 Shebandowan, ON, CAN **P0T2T0** Ph#: (807) 926-2879 Fax#: (807) 926-2879 Email: jhackl@tbaytel.net

Control Standards

Final Certificate

Date Received: 12/09/2016 Date Completed: Job #: 201642448 Reference: Sample #: 12

QC Type	Element	Method Blank	QC Performance	Mean	Std Dev	Recovery
SY41	xsi	<100	49.159 %	49.9	0.83	97.8%
SY41	xfe	<100	6.291 %	6.21	0.1	102.0%
SY41	xti	<100	0.276 %	0.287	0.005	94.5%
SY41	xmn	<100	0.113 %	0.108	0.002	106.3%
SY41	хр	<100	0.148 %	0.131	0.004	110.6%
SY41	хса	<100	7.710 %	8.05	0.13	93.5%
SY41	xk	<100	1.732 %	1.66	0.03	106.0%
SY41	xmg	<100	0.498 %	0.54	0.01	89.5%
SY41	xna	<100	7.291 %	7.1	0.12	104.0%
SY41	xal	<100	21.145 %	20.69	0.34	103.4%

APPLIED SCOPES: ALP1, ALFA1, ALPG1, ALXR1, ALCuAR1, ALNiAR1

Reviewed By:

Validated By:

Verified By: Certified By:

Authorized By:

Derek Demianiuk, VP Quality

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APPENDIX V

Expenditures

Expenditures submitted for assessment credit:					
Labor					
Principle Prospector: 4 days @\$450/day	\$1800.00				
Prospector: 1day @ \$450/day	\$450.00				
Equipment Fees					
De-mobilization / mobilization of backhoe	\$1762.80				
Operator Fees 42hr @ \$175/hr	\$7350.00				
Report Writing/Compilation					
Reports/Maps	\$1200.00				
Transportation					
Truck and fuel: 4 Days @ \$175/truck	\$875.00				
Assays					
13 Samples, 12 dry crush, 1 Whole Rock Analysis	\$382.51				
Sample Transport	\$175.00				
Total Expenditure: \$					

APPENDIX VI

Trench Maps, Sample Maps, Historic Showings





Figure 5: Historic Showings, Mineral Occurrences, and Drill Holes



Figure 6: Mapping & Sampling along Trail to Zone #1/2



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