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CANADIAN OREBODIES INC.

**REPORT ON THE FALL 2016
PROSPECTING PROGRAM**

ON THE

SPRUCETOP LAKE - GOWAN PROPERTY



COTTE & ROUS LAKE TOWNSHIPS

**HEMLO AREA
ONTARIO, CANADA
NTS 42D/09 & 42D/16**

Bruce MacLachlan
Timmins, Ontario

January 2nd, 2017

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1.0 SUMMARY

A prospecting program was carried out by Bruce MacLachlan and Rogan Hennie on October 16th and 19th - 22nd, 2016 to follow up on exploration programs which were carried out in the 1980's and 1990's. The property consists of two separate claim blocks (Sprucetop Lake & Gowan) which are located approximately 13 kilometres northeast and 21 kilometres east respectively, of the town of Marathon, Ontario.

Prospecting focused along interpreted northwest-southeast trending faults/structures over the course of 4.5 days. A total of 61 rock grab samples were collected at various locations, 60 of which were sent for analysis, including 13 samples for whole rock analysis.

The prospecting program returned assays up to 0.506gpt Au, (sample S475387).

2.0 INTRODUCTION

The objective of the program was to verify the existence of the interpreted lineament and look for any signs of alteration and or mineralization along the interpreted faults/structures.

All the data collected including sample locations were defined using a handheld GPS. The measurements were plotted using UTM: NAD 83 in Zone 16 metric coordinates. All foot traverses were collected by GPS, saved as separate files and plotted on the various Figures.

The following report details the results of the 2016 program along with recommendations for additional exploration programs.

3.0 LOCATION, ACCESS, AND TOPOGRAPHY

The Sprucetop Lake-Gowan Property is located approximately 13 km northeast and 21 kilometres east respectively of the town of Marathon, Ontario (Figure 1).

Access to the properties are best achieved by helicopter from Marathon Airport which is located on the north side of Highway 17, approximately 4 km's northeast of the town of Marathon, see Figure 1.

Topography in the area is comprised of moderate to very steep hills, ridges and cliff facies. Vegetation is generally comprised by a variety of second growth trees and moderate outcrop exposure across the property. Water bodies include Sprucetop Lake and several small lakes and ponds elsewhere on the claims.

4.0 CLAIMS and PROPERTY STATUS

The Sprucetop Lake and Gowan claims were recorded on October 28, 2016, and consist of 4 claims (39 units) Sprucetop Lake claims and 1 claim (15 units) Gowan claim. Canadian Orebodies owns 100% of the mineral claims.

5.0 PREVIOUS EXPLORATION

Previous exploration on the Sprucetop Lake claims consists of:

- In 1988, Black Gregor contracted Terraquest Ltd. to carry out an Airborne Magnetic and VLF-EM Survey. Most the survey was conducted outside of the Sprucetop claims and consisted of 660 line kilometres, most of which was carried out at a line spacing of 100 metres. A small portion of the survey was carried out at a line spacing of 200 metres over 24 claims in the most northern portion of the survey. (Barrie, C.Q., 1988)
- In 1984 MPH Consulting Limited contracted Aerodat Limited to carry out a combined Helicopter Borne Magnetic, Electromagnetic and VLF Survey. Most the survey was conducted outside of the Sprucetop claims and consisted of 545 line kilometres. (Boustead, G.A., 1984)

Previous exploration on the Gowan claim consists of:

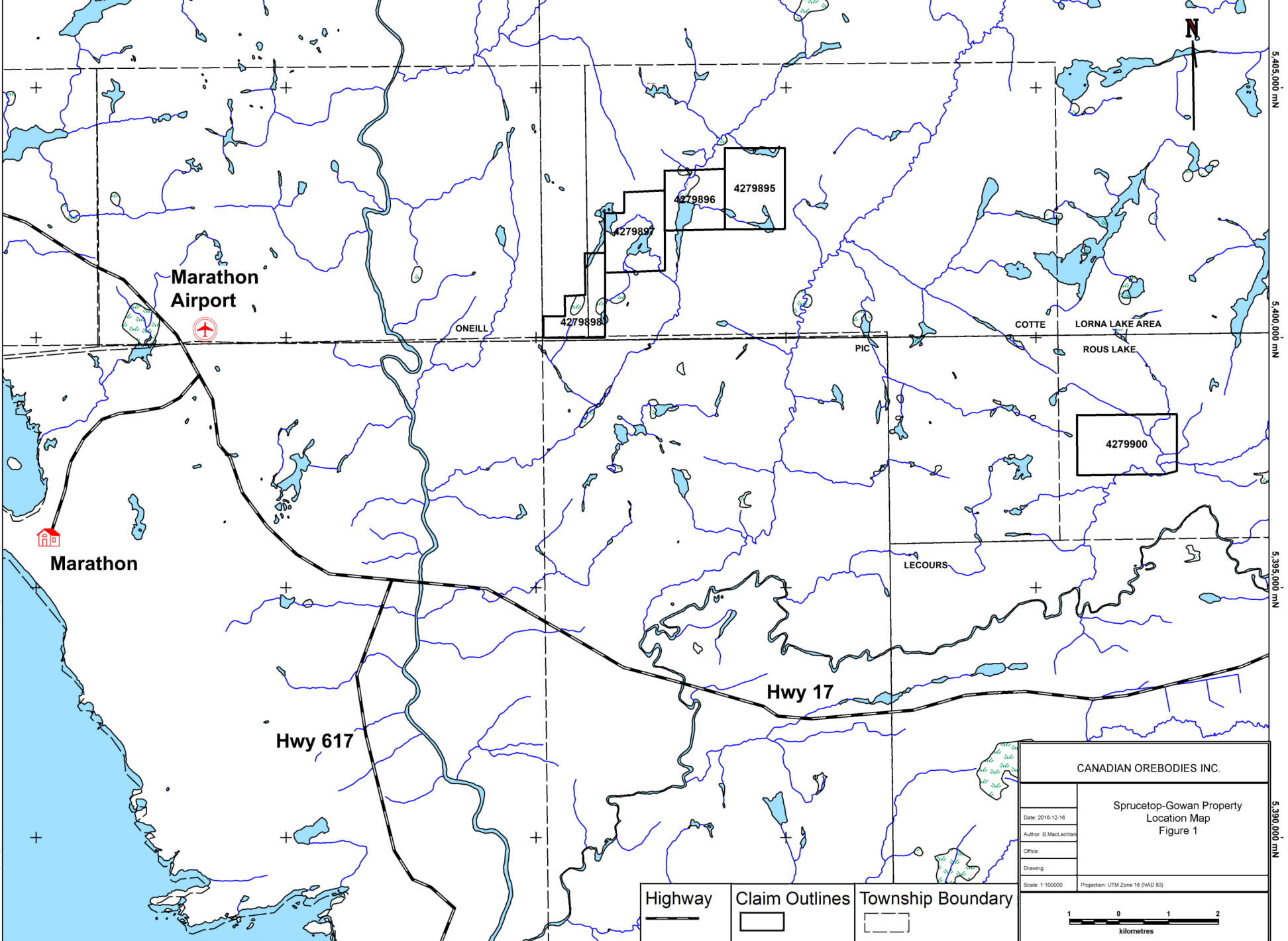
- In 1983, Lacana Mining Corporation carried out a Helicopter Borne AEM survey including VLF-EM, line-cutting, prospecting, mapping and soil sampling over the Aurelian Property. (Chance, P., 1983)
- In 1994, Hemlo Gold Mines Inc. carried out line-cutting, mapping, prospecting, Induced Polarization and Magnetic surveys.
- In 1996, Hemlo Gold Mines Inc. carried out a five (5) diamond drill hole program to follow up upon where Lacana Mining Corporation in 1983 reported assays up to 1,471ppb Au from a narrow quartz vein and where soil sampling returned values up to 1250ppb Au. Two of the five holes drilled by Hemlo Gold Mines Inc. (G96-1 & G96-2) were collared in the northeast corner of the Gowan claim, the remainder were collared a little east of the current Gowan claim. (Tims, A., 1996)

Diamond drill hole G96-1 intersected silicified sediments and calc-silicate alteration in conjunction with the silicification. Diamond drill hole G96-2 intersected strongly altered sediments intruded by a small granodiorite dyke near the top of the hole. Pervasive silicification and patchy hematite alteration was encountered throughout the hole. An 11-metre fault zone consisting of a fault breccia cemented by hematite and a 70cm fault gouge was intersected near the bottom of the hole. (Tims, A., 1996)

545,000 mE 550,000 mE 555,000 mE 560,000 mE 565,000 mE 570,000

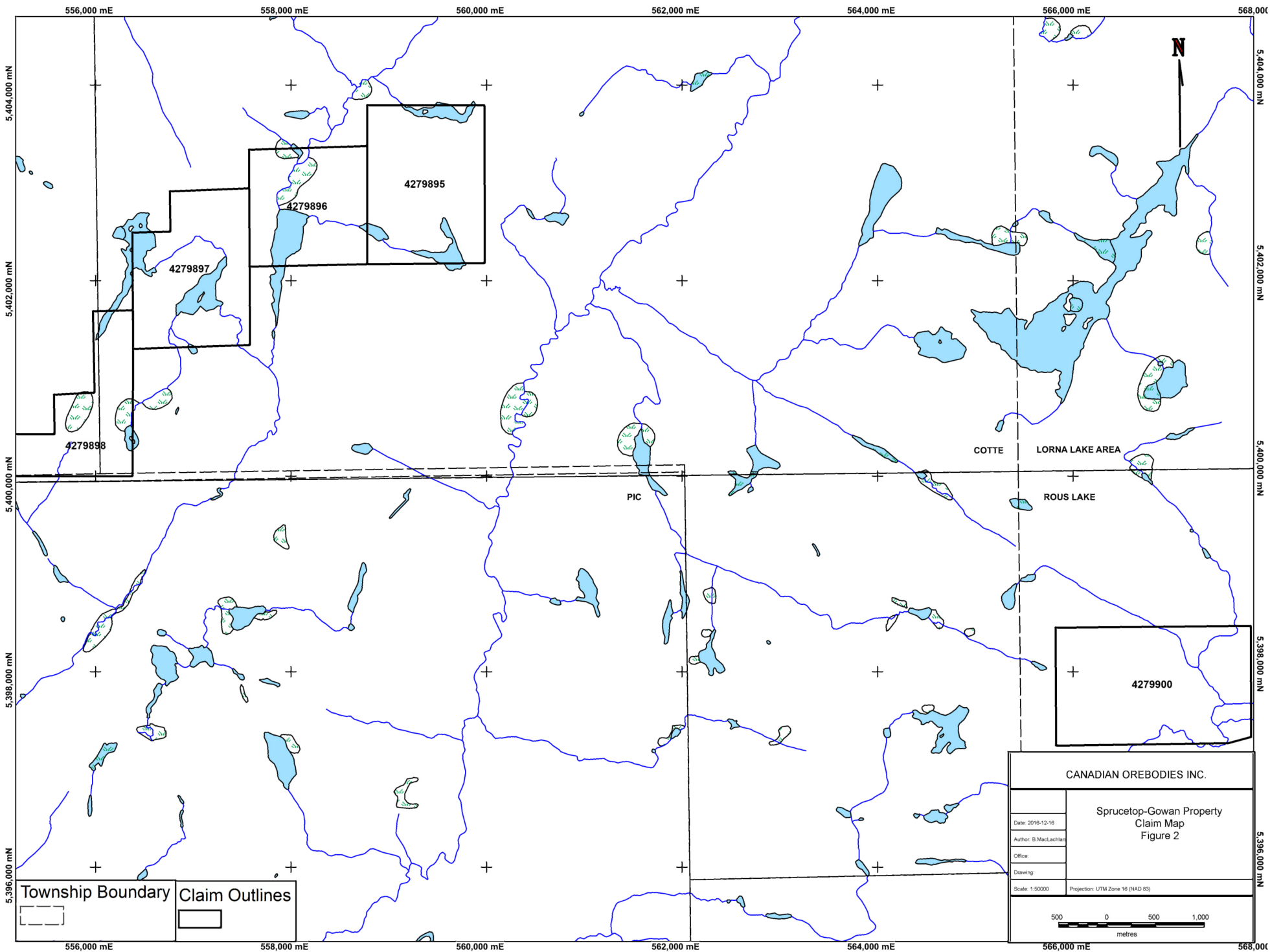
5,405,000 mN
5,400,000 mN
5,395,000 mN
5,390,000 mN

5,405,000 mN
5,400,000 mN
5,395,000 mN
5,390,000 mN



Highway —	Claim Outlines □	Township Boundary - - -
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CANADIAN OREBODIES INC.	
Sprucetop-Gowan Property Location Map Figure 1	
Date: 2016-12-16	
Author: B MacLachlan	
Office:	
Drawing:	
Scale: 1:100000	Projection: UTM Zone 18 (NAD 83)



Township Boundary
 Claim Outlines

CANADIAN OREBODIES INC.	
Sprucetop-Gowan Property Claim Map Figure 2	
Date: 2016-12-16	
Author: B MacLachlan	
Office:	
Drawing:	
Scale: 1:50,000	Projection: UTM Zone 18 (NAD 83)

6.0 REGIONAL GEOLOGY

The Hemlo greenstone belt of the Wawa sub-province of the Superior Province mainly consists of a sequence of Archean metasedimentary and felsic, intermediate and mafic metavolcanics rocks of ≥ 2720 Ma to ~ 2688 Ma (ages based Corfu and Muir 1989a). Stratiform barite is documented at several localities 15 to 30 km west of the Hemlo deposit (Patterson 1985). This is of special interest because barite is also present in the Hemlo deposit, spatially associated with the orebody.

The supracrustal rocks in the greenstone belt are metamorphosed. The metamorphic grades increase from upper greenschist facies in the western part of the belt to middle amphibolite facies in the eastern part of the belt (including the Hemlo deposit area) (Muir 1982a, 1982b; Kuhn's et al. 1994; Jackson 1995). Based on titanite ages, Corfu and Muir (1989b) conclude that regional amphibolite-facies metamorphism occurred at ~ 2678 - 2676 Ma.

The greenstone belt is intruded by granodioritic-tonalitic plutons and related dykes. Major plutons include the Pukaskwa Intrusive Complex, the Heron Bay Pluton, the Cedar Lake Pluton and the Gowan Lake Pluton (Fig. 1). A marginal gneissic phase of the Pukaskwa complex yielded an U-Pb zircon age of ~ 2719 Ma. An internal phase of the complex, the Heron Bay Pluton and the Cedar Lake Pluton yielded U-Pb zircon ages of ~ 2688 Ma. The Gowan Lake pluton yielded an U-Pb zircon age of ~ 2678 Ma (all ages from Corfu and Muir 1989a). (Lin, S., 1995)

7.0 LOCAL GEOLOGY

Local geology of the Sprucetop claims generally consists of granite and granitic gneiss. Several major fault zones cross the survey area with an orientation of approximately 100 – 110 degrees. (Barrie, C.Q., 1988)

Local geology of the Gowan claim consists of an assemblage of mixed epiclastic/quartzo-feldspathic and feldspathic sediments. The assemblage is bounded to the north by the Gowan Lake Pluton. (Tims, A., 1996)

8.0 WORK PROGRAM DESCRIPTION

The prospecting program consisted of nine (9) man-days, 3 man-days on the Sprucetop Lake claims and 6 man-days on the Gowan claim.

A total of 61 rock grab samples, see attached Table 1, was collected during the current program as well as 29 "Points of Interest", see attached Table 2.

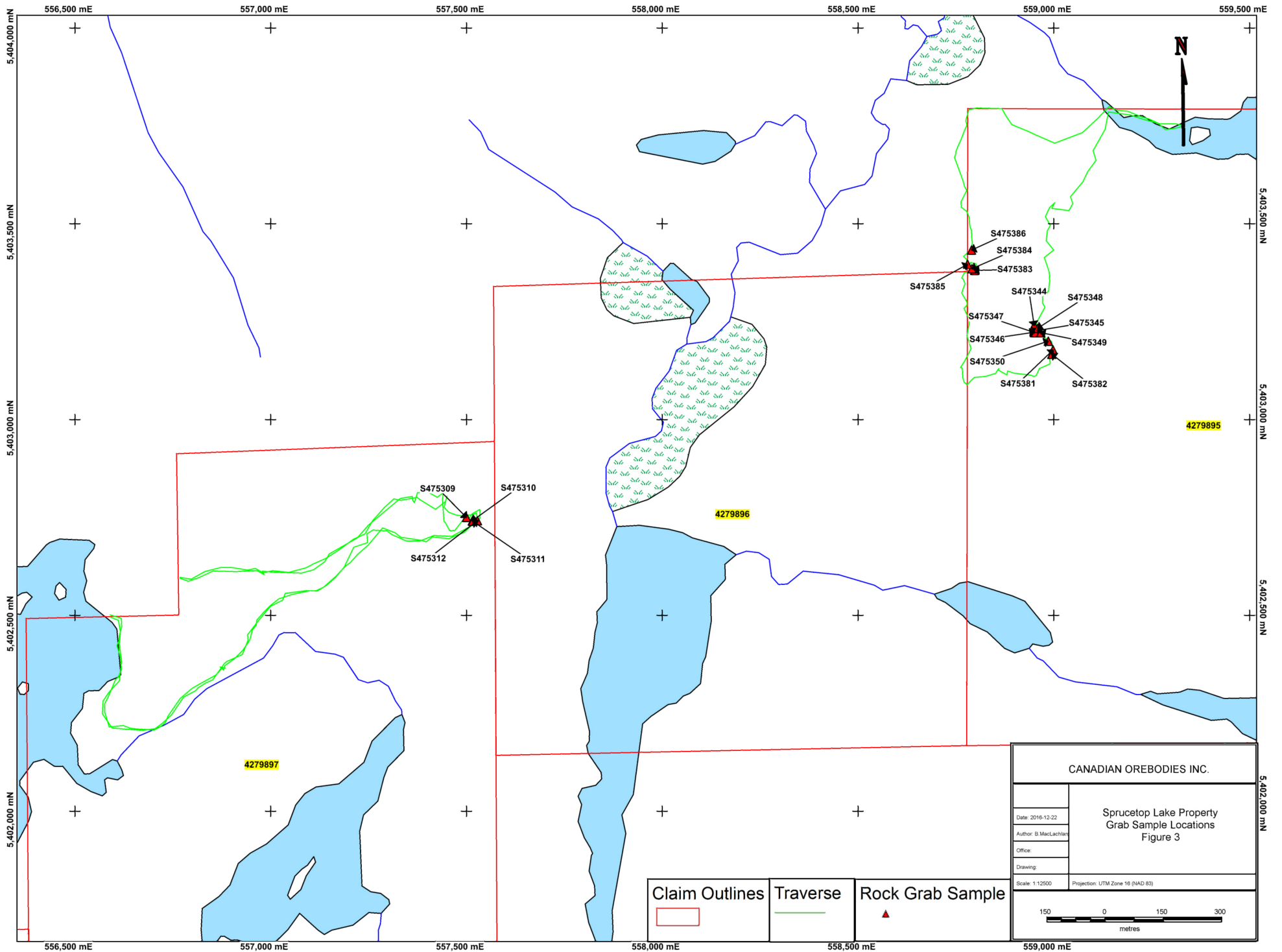
The work program was based out of the Zero 100 Motor Inn, in the town of Marathon, Ontario. Travel to Wire Lake was provided by Wilderness Helicopters which maintains a base at the Marathon Airport, located on the north side of Highway 17, approximately 1.5 kilometres west of Highway 17 – Peninsula Road turn off.

Sixty (60) of the 61 rock-grab samples were sent for analysis by the Au-ICP21 – Au 30g FA ICP-AES Finish and ME-MS41 Ultra Trace Aqua Regia ICP-MS 51 element analytical procedure, see ALS Labs assay certificate TB16179594, TM16181952, TM16181957, TM16181959 & TM16222443.

Thirteen of the 60 samples were also analyzed by ME-XRF26 Whole Rock by Fusion/XRF analytical procedure, see ALS Labs assay certificate TM16181959 and thirteen of the 60 samples were analyzed by PGM-ICP23 analytical procedure, see ALS Labs assay certificate TM16222443.

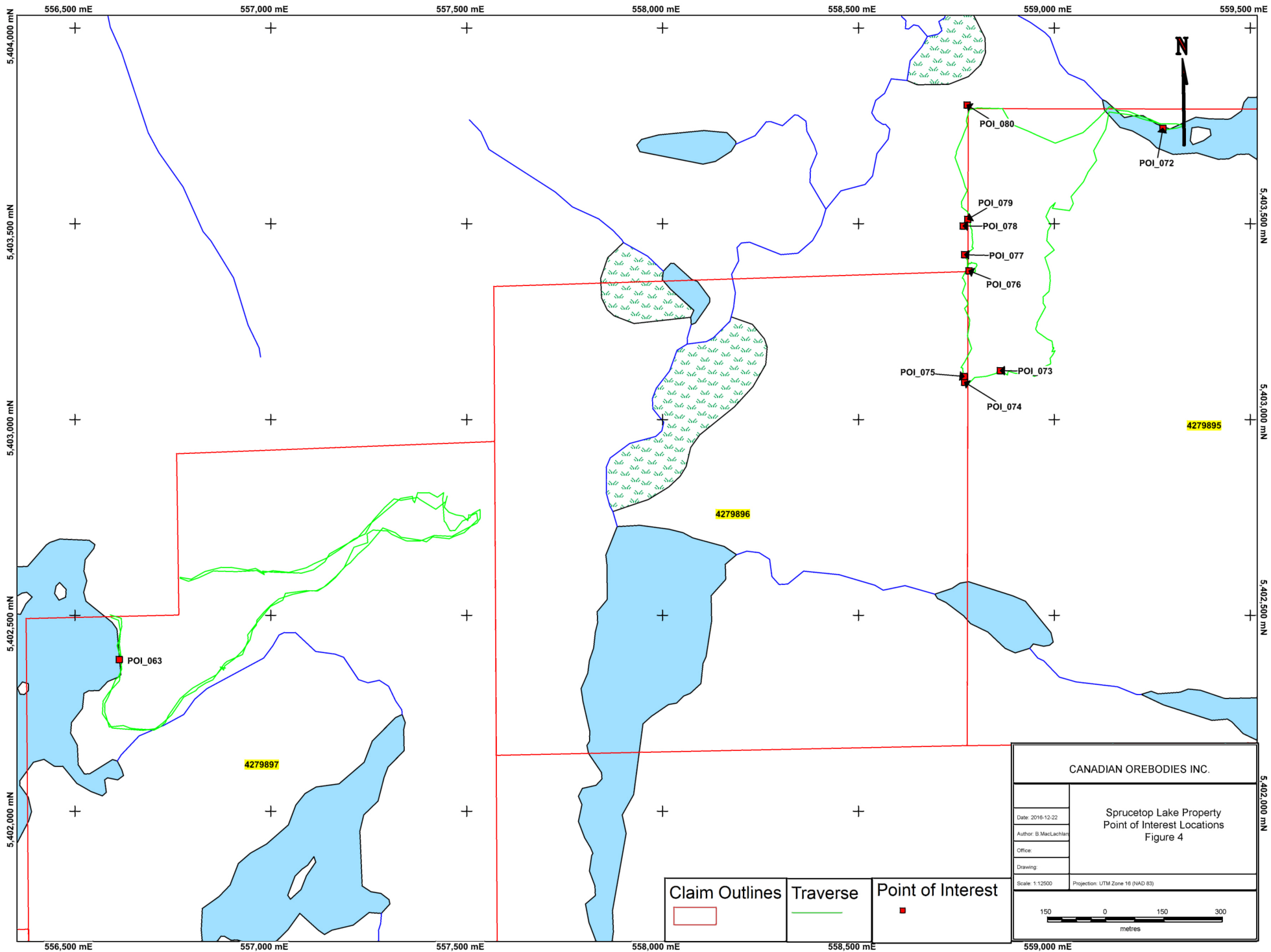
Table 1 (Appendix I) provides a list of the 2016 rock sample numbers (S475309-S475312, S475344-S475350 & S475381-S475430) UTM co-ordinates, rock type, alteration, mineralization, veining, color, darkness, grain size, texture, orientation/dip and comments.

The rock assay certificates from ALS Labs are presented in Appendix II. Table 2 (Appendix III) provides a list of the 2016 Points of Interest and Appendix IV a description of the various ALS Labs analytical procedures. Appendix V provides a series of photos and Appendix VI provides a list of the claims.



CANADIAN OREBODIES INC.	
Date: 2016-12-22	Sprucetop Lake Property Grab Sample Locations Figure 3
Author: B. MacLachlan	
Office:	
Drawing:	
Scale: 1:12500	Projection: UTM Zone 18 (NAD 83)

Claim Outlines 	Traverse 	Rock Grab Sample
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CANADIAN OREBODIES INC.	
Date: 2016-12-22	Sprucetop Lake Property Point of Interest Locations Figure 4
Author: B. MacLachlan	
Office:	
Drawing:	
Scale: 1:12500	Projection: UTM Zone 18 (NAD 83)

Claim Outlines 	Traverse 	Point of Interest
--------------------	--------------	-----------------------

0 mE 565,600 mE 565,700 mE 565,800 mE 565,900 mE 566,000 mE 566,100 mE

5,398,200 mN

5,398,100 mN

5,398,000 mN

5,397,900 mN

5,397,800 mN



5,398,200 mN

5,398,100 mN

5,398,000 mN

5,397,900 mN

5,397,800 mN

565,600 mE

565,700 mE

565,800 mE

565,900 mE

566,000 mE

566,100 mE

565,600 mE

565,700 mE

565,800 mE

565,900 mE

566,000 mE

566,100 mE

4279900

S475422

S475417 S475418

S475419

S475401 S475409 S475410

S475402 S475403 S475411

S475400 S475420

S475405 S475413

S475404 S475412

S475407 S475414

S475406 S475415 S475408

S475421 S475416

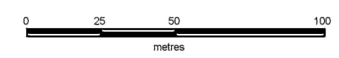
CANADIAN OREBODIES INC.

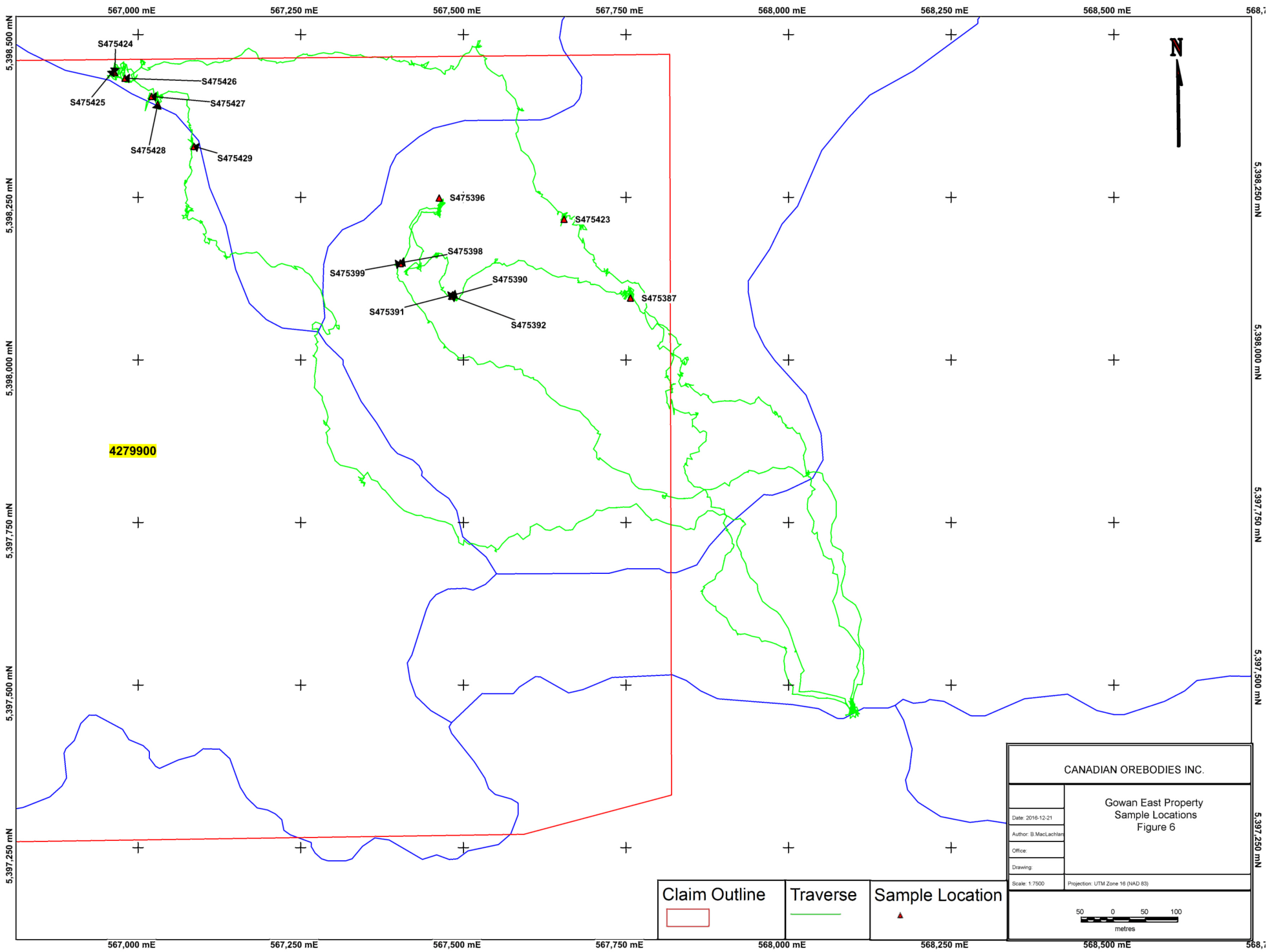
Gowan West Property
Sample Locations
Figure 5

Date: 2016-12-29
Author: B MacLachlan
Office:
Drawing:

Scale: 1:2500 Projection: UTM Zone 18 (NAD 83)

Claim Outline	Traverse	Sample Location





4279900

CANADIAN OREBODIES INC.	
Gowan East Property Sample Locations Figure 6	
Date: 2016-12-21	
Author: B MacLachlan	
Office:	
Drawing:	
Scale: 1:7500	Projection: UTM Zone 16 (NAD 83)

Claim Outline



Traverse



Sample Location



567,000 mE 567,250 mE 567,500 mE 567,750 mE 568,000 mE 568,250 mE 568,500 mE 568,750 mE

5,398,500 mN 5,398,250 mN 5,398,000 mN 5,397,750 mN 5,397,500 mN 5,397,250 mN

500 mE 565,600 mE 565,700 mE 565,800 mE 565,900 mE 566,000 mE 566,100 mE

5,398,200 mN

5,398,100 mN

5,398,000 mN

5,397,900 mN

5,397,800 mN

565,600 mE

565,700 mE

565,800 mE

565,900 mE

566,000 mE

566,100 mE

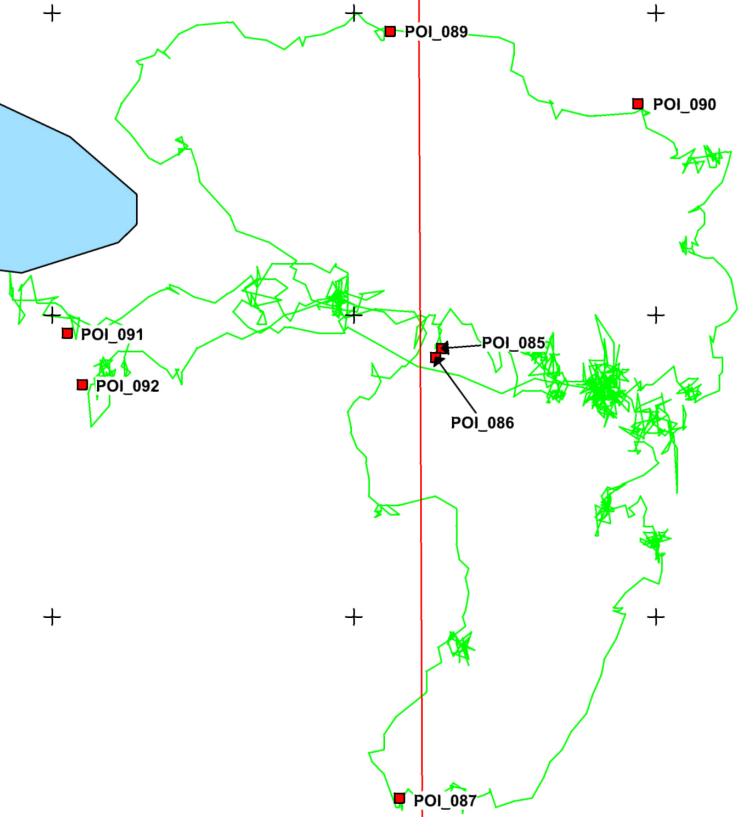
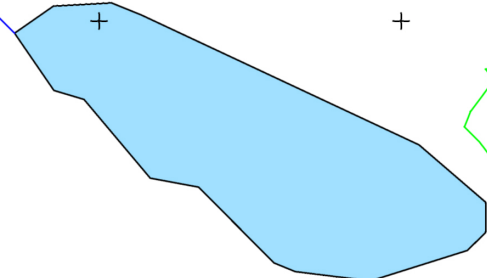
5,398,200 mN

5,398,100 mN

5,398,000 mN

5,397,900 mN

5,397,800 mN



POI_091

POI_092

POI_089

POI_090

POI_085

POI_086

POI_087

4279900

CANADIAN OREBODIES INC.

Date: 2016-12-21
Author: B MacLachlan
Office:
Drawing:

Gowan West Property
Point of Interest Locations
Figure 7

Scale: 1:2500 Projection: UTM Zone 18 (NAD 83)

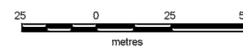
Claim Outline

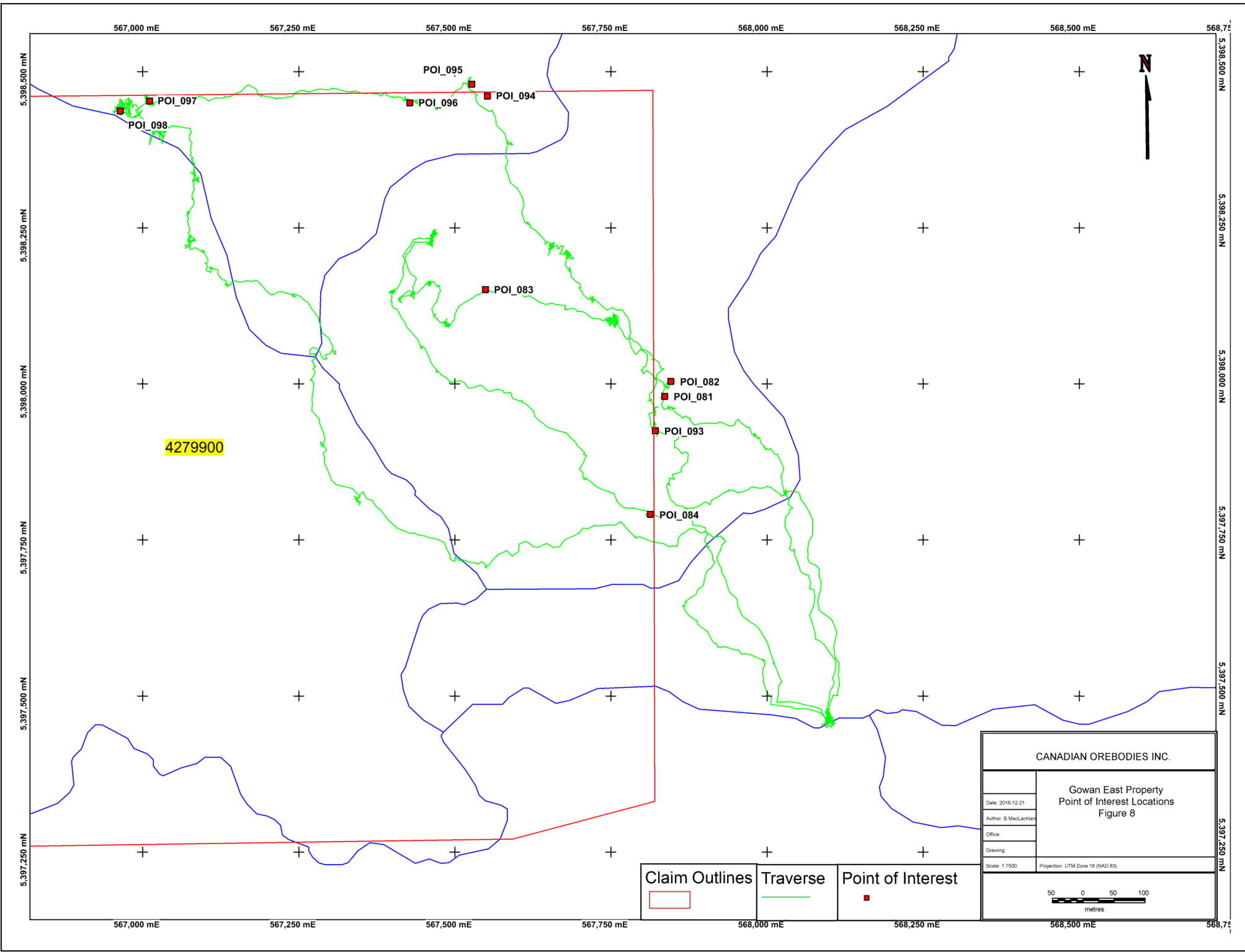


Traverse



Point of Interest





4279900

CANADIAN OREBODIES INC.	
Gowan East Property Point of Interest Locations Figure 8	
Date: 2016-12-21	
Author: B MacLachlan	
Office:	
Drawing:	
Scale: 1:7500	Projection: UTM Zone 16 (NAD 83)

Claim Outlines 	Traverse 	Point of Interest
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9.0 RESULTS and CONCLUSIONS

The current program focused along interpreted northwest-southeast trending faults/structures, thought to cross the Sprucetop Lake and Gowan claims.

Of the 60 rock samples sent for analysis, 5 samples returned grades >5ppb Au, one (1) of which returned value of 0.506 g/t Au (sample S475387), see Figure 6. Descriptions of the rock samples can be found in Table 1, Appendix I. Seventeen of the sixty samples were collected on the Sprucetop claims and forty-four samples were collected on the Gowan claim.

9.1 SPRUCETOP LAKE CLAIMS

Prospecting was primarily carried out in two areas, immediately west of the north end of Sprucetop Lake and approximately one kilometre northeast of the north end of Sprucetop Lake. A total of 1.5 days was spent prospecting on the Sprucetop Lake claims where seventeen samples (S475309-S475312, S475344-S475350 & S475381-S475386) were collected.

Prospecting west of Sprucetop Lake located strongly silicified pink granite outcrops containing ~1% pyrite and quartz stockwork (locally vuggy) with veins up to 5cm wide, see Figure 3. Prospecting did not cut off the quartz stock work/veining along or across strike due to time constraints.

Gabbro sample S475344 returned anomalous Ga, Te & Ti values, gabbro sample S475349 returned anomalous values of Fe, In, P, Se, Sn, Ta, Y & Zn. Gabbro sample S475384 returned anomalous values of Sn & Te and gabbro sample S475386 returned anomalous Co, Se, Sn, Te & Tl values.

Prospecting northeast of Sprucetop Lake located several gabbroic outcrops which contained $\leq 1\%$ pyrite, see Figure 3. Prospecting did not cut off the gabbro outcrops along or across strike due to time constraints.

Thirteen samples were also analyzed for Pt & Pd but did not return any anomalous PGE values.

While no anomalous gold, platinum or palladium was returned from the sampling, it is very interesting that sulphides and quartz veining were found west of Sprucetop Lake and sulphides in gabbroic rocks were located northeast of Sprucetop Lake along the interpreted northwest-southeast trending lineament.

Several Point of Interest locations were collected while prospecting the Sprucetop Lake claims, a description of each Point of Interest can be found in Table 2, Appendix III and plotted on Figure 4.

9.2 GOWAN CLAIM

Prospecting focused in two locations, along the west boundary and the northeast portion of the claim. Both areas were targeted for the possibility of locating alteration and or mineralization along interpreted northwest-southeast trending fault/structures. A total of 3 days was spent prospecting on the Gowan claim, where forty-four rock samples (S475387-S475430) were collected of which forty-three were sent for analysis.

Twenty-three samples (S475387-S475399 & S475423-S475430) were collected near the western boundary, of which twenty-two samples were sent for analysis. Of the twenty-two samples sent for analysis, six samples were also analyzed for Whole Rock.

One day was spent prospecting along the west boundary of the claim where a narrow northwest trending fault/structure was observed. Outcrops observed along the north and south cliff faces of the fault were found to be, mostly highly fractured very rusty basalts, moderately silicified, containing ~1% pyrite, see Figure 5. A granodiorite outcrop (sample S475416) was located approximately 80 metres southwest of the fault and a granite outcrop (sample S475422) was observed approximately 110 metres west of the claim boundary. Prospecting did not cut off the rusty basalts along or across strike due to time constraints.

Whole Rock analysis of the granodiorite outcrop (sample S475416) returned 4.98% K₂O, 3.52% Na₂O and 72.33% Si₂O, sample S475422 was not sent for analysis.

Several Point of Interest locations were collected while prospecting near the west boundary and are documented on Table 2, Appendix III and plotted on Figure 7.

Two days were spent prospecting in the northeast portion of the Gowan claim, see Figure 6. Prospecting focused where an interpreted fault/structure was thought to cross the claim in a northwest-southeast direction. Twenty-one rock samples (S475387-S475399 & S475423-S475430) were collected at various locations, including a few granite outcrops containing pyrite along a northwest-southeast trending creek bed. Outcrops west of the fault generally appeared to be meta-sediments and calc-silicates.

Of the twenty-one samples collected in the northeast portion of the claim, seven samples (S475388, S475389, S475393-S475395, S475397 & S475430) were also sent for Whole Rock analysis.

Sample S475387 returned 0.506 g/t Au & 62.6 ppm As from a meta-sediment outcrop. The sample is described as containing 1% pyrite, weakly hematitic, dark orange-grey color, fine grained and gritty, see Figure 6. Sample S475396 returned 0.047g/t Au, see Figure 6 and sample S475421 returned 0.019g/t Au, see Figure 5.

Two samples S475395 & S475427 returned anomalous B values of 40 & 20ppm respectively. Three samples returned anomalous Ce values up to 82.9ppm, three samples returned anomalous Ga values up to 16.1ppm, three samples returned anomalous Mo values up to 2.34ppm and three samples returned anomalous Ni values up to 62.1ppm.

Three samples returned anomalous P values up to 1900ppm and two samples returned anomalous Pb values up to 15ppm. Sample S475400 was anomalous in Sb, Sc & Se and sample S475405 was anomalous in Sb, V & Zn. Sample S475396 returned anomalous values up Sn, W & Zr. Sample S475425 returned anomalous values of Sn, U & Zn. Sample S475427 returned anomalous Ti, V, Y & Zn, sample S475428 returned anomalous Sn, U, Y & Zr values and sample S475429 returned anomalous Sn, Sr, Ti & Y values.

Sample S475395 returned 2.24% K₂O, 4.87% Na₂O & 68.07% SiO₂ from a calc-silicate, sample S475397 returned 4.56% K₂O, 4.46% Na₂O & 74.42% SiO₂ from a meta-sediment & sample S475430 returned 5.41% K₂O, 2.65% Na₂O & 73.97% SiO₂ from a pink granite.

Several Point of Interest locations were collected while prospecting the northeast portion of the Gowan claim, a description of each Point of Interest can be found in Table 2, Appendix III and are plotted on Figure 8.

10.0 RECOMMENDATIONS

At the Sprucetop Lake claims, further prospecting is warranted along strike from where gabbroic outcrops were located as well as any other significant northwest-southeast trending faults which are cross cut by other lineaments.

At Gowan, further prospecting is recommended along the northwest-southeast trending fault where granite outcrops were found to contain pyrite. It is important to note that gabbro outcrops located at the Sprucetop Lake claims and granite outcrops containing pyrite observed in the northeast portion of the Gowan claim appear to be located along the same fault/structure separated by approximately 9.3 kilometres. Prospecting along the entire 9.3 kilometres is warranted.

Based on the results from the current program, an MMI soil sampling program is recommended in the vicinity of sample S475387 which returned 0.506 g/t Au & 62.6 ppm As from a meta-sediment outcrop. Additional prospecting should be carried out once the soil results are received as well as along strike from where pyrite was found in granites along the northwest-southeast trending fault/structure.

11.0 STATEMENT of EXPENDITURES

The following is a breakdown of expenditures related to the fall 2016 exploration program on the Sprucetop Lake-Gowan Property.

Labour:

Preparation, field work, travel

Bruce MacLachlan & Rogan Hennie (4.5days @ \$950/day)	\$ 4,275.00
---	-------------

Report Writing

Bruce MacLachlan (2days @ \$500/day)	\$ 1,000.00
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Associated Costs:

Field Related Supplies	\$ 92.97
Accommodations & food	\$ 711.86
Travel and Transportation	\$ 383.76
Helicopter	\$ 23,287.50

Analytical Costs:

ALS Labs (60 rock samples)	\$ 3,551.50
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TOTAL EXPENDITURES	<u>\$ 33,302.59</u>
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11.1 EXPENDITURES by CLAIM

Claim Number

Sprucetop Lake Claims

4279895	\$ 7,512.20
4279897	\$ 3,497.08

Gowan Claim

4279900	<u>\$22,293.31</u>
---------	--------------------

\$33,302.59

12.0 PERSONNEL

The following is a list of persons that carried out the exploration program on the Sprucetop Lake-Gowan Property:

Bruce MacLachlan (Supervisor)	6.5 Days
-------------------------------	----------

222 Emerald Street,

Timmins, Ontario,

P4R 1N3

(Travel & field work, October 16 & 19-22)

(December 2 days report preparation)

Rogan Hennie	4.5 Days
--------------	----------

4603, 16th St. SW

Calgary, Alberta

T2T 4J2

(Travel & field work, October 16 & 19-22)

Total Days 11.0

13.0 STATEMENT of QUALIFICATIONS

I, Bruce A. MacLachlan, of the City of Timmins, Province of Ontario do hereby certify that:

1. I am geological technician residing at: 222 Emerald St. Timmins, Ontario. P4R1N3.
2. I have continuously practised my profession for over 34 years. I have prepared reports, conducted, supervised and managed exploration programs for several major and junior companies including Noranda Exploration Company Limited, CanAlaska Uranium Ltd., Noront Resources Ltd. and Bold Ventures Inc.
3. As author of this report and supervisor of the work program, I am familiar with the material covered in the report.
4. I have no direct or indirect interest in the Sprucetop Lake-Gowan Property or securities of Canadian Orebodies Inc.
5. Permission is granted for use of this report, in whole or part, for assessment and qualification requirements.

DATED at Timmins, Ontario, this 2nd day of January 2017.

“Bruce A. MacLachlan”
(Signed and Sealed)

Bruce A. MacLachlan

Bruce A. MacLachlan P. Geo (Limited) APGO No. 1025
Emerald Geological Services

14.0 REFERENCES

Shoufa, L., (1995) Geological Survey of Canada., Finding the next Hemlo, defining the parameters, Stratigraphic and Structural setting of the Hemlo Gold Deposit, Ottawa, Ontario 1995

Tims, A., (1994) Hemlo Gold Mines Inc., Report on 1996 Diamond Drilling, Gowan Property, N.T.S 42 D/9, Project No 414, Hemlo, Ontario, July 3, 1996

Barrie, D., (1988) Black Gregor Explorations Ltd., Operations Report on an Airborne Magnetic and VLF-EM Survey, Marathon Area, Thunder Bay Mining Division, Ontario, for Black Gregor Explorations Ltd. by Terraquest Ltd. Toronto, Ontario, April 20, 1988

Boustead, G. A., (1984) Report on Combined Helicopter Borne, Magnetic, Electromagnetic and VLF Survey, Marathon, Ontario for MPH Consulting Limited by Aerodat Limited, November, 1984

Chance, P., (1983) Report on Exploration Work, Carried Out During 1983, on the Aurelian Property, Rous Lake Area, Hemlo Mining Camp, Thunder Bay Mining Division, Volume I, (Project 4262 DRBGSI), Lacana Mining Corporation, Toronto, Ontario, November 7, 1983

APPENDIX I

Rock Sample Descriptions (Table 1)

Table 1																	
Grab Sample Descriptions																	
Sample	Easting	Northing	Rock_Type	Min1	Min1_pct	Alt1	Alt1_Intensity	Alt2	Alt2_Intensity	Vein1	Colour	Darkness	Grain_Size	Texture	Structure1 orientation	Dip1	Comments
S475309	557500	5402750	Pink Granite	pyrite	1						pink grey	dark	medium	massive			Quartz vein stockwork, very silicified cross-cutting quartz veins 1-5cm wide
S475310	557515	5402741	Pink Granite	pyrite	1	silicification	strong			quartz	grey pink	medium	fine	massive			Quartz vugs with 2cm euhedral quartz crystals, quartz vein stockwork, very silicified cross-cutting quartz veins 1-5cm wide
S475311	557516	5402740	Pink Granite	pyrite	1	silicification	strong			quartz	grey pink	medium	fine	massive			Quartz vugs with 2cm euhedral quartz crystals, quartz vein stockwork, very silicified cross-cutting quartz veins 1-5cm wide
S475312	557528	5402742	Pink Granite	pyrite	1	silicification	strong	chloritic	strong	quartz	grey pink	medium	fine	massive			Pale green alteration in clay-like mineral in altered quartz vein stockwork system
S475344	558950	5403240	Gabbro	pyrite	1						green	dark	medium	massive			Situated in the Hemlo Fault. Dark brownish orange on weathered / exposed surface
S475345	558957	5403227	Gabbro	pyrite	1						green	dark	medium	massive			Situated in the Hemlo Fault. Dark brownish orange on weathered / exposed surface
S475346	558950	5403223	Gabbro	pyrite	1						green	dark	medium	massive			Situated in the Hemlo Fault. Dark brownish orange on weathered / exposed surface. Trace 1cm wide plagioclase grains
S475347	558952	5403222	Gabbro	pyrite	1						green	dark	medium	massive			Situated in the Hemlo Fault. Dark brownish orange on weathered / exposed surface. Trace 1cm wide plagioclase grains
S475348	558959	5403233	Gabbro	pyrite	1						green	dark	medium	massive			Situated in the Hemlo Fault. Dark brownish orange on weathered / exposed surface. Trace 1cm wide plagioclase grains
S475349	558967	5403222	Gabbro	pyrite	1	potassic	weak				green	dark	medium	massive			Situated in the Hemlo Fault. Dark brownish orange on weathered / exposed surface. Trace 1cm wide plagioclase grains. 132 degree fractures
S475350	558986	5403200	Gabbro	pyrite	1						green	dark	medium	massive			Situated in the Hemlo Fault. Dark brownish orange on weathered / exposed surface. Trace 1cm wide plagioclase grains
S475381	558998	5403178	Gabbro	pyrite	1						green	dark	medium	massive			Situated in the Hemlo Fault. Dark brownish orange on weathered / exposed surface. Trace 1cm wide plagioclase grains
S475382	558995	5403167	Gabbro	pyrite	1						green	dark	medium	massive			Situated in the Hemlo Fault. Dark brownish orange on weathered / exposed surface. Trace 1cm wide plagioclase grains. Weakly magnetic
S475383	558798	5403381	Gabbro	pyrite	1						green	dark	medium	massive			Situated in the Hemlo Fault. Dark brownish orange on weathered / exposed surface. Trace 1cm wide plagioclase grains. Weakly magnetic. Underlain by granite outcrop
S475384	558791	5403385	Gabbro	pyrite	1						green	dark	medium	massive			Situated in the Hemlo Fault. Dark brownish orange on weathered / exposed surface. Trace 1cm wide plagioclase grains. Weakly magnetic. E-W trending outcrop, 20m long x 5m wide. Fractures at 90 degrees
S475385	558780	5403397	Porphyry	pyrite	1	hematitic	weak				green	dark	medium	massive			Situated in the Hemlo Fault. Dark brownish orange on weathered / exposed surface. Trace 1cm wide plagioclase grains. Weakly magnetic. Mafic porphyry situated in gabbro outcrop. Common 1cm wide pink and white phenocrysts.
S475386	558790	5403433	Gabbro	pyrite	1						green	dark	medium	massive			Situated in the Hemlo Fault. Dark brownish orange on weathered / exposed surface. Trace 1cm wide plagioclase grains. Weakly magnetic. Possibly spotted a chalcocite grain in the sample
S475387	567757	5398095	Metasediment	pyrite	1	hematitic	weak				orange grey	dark	fine	gritty			Moderately gossanous outcrop.
S475388	567756	5398094	Metasediment	pyrite	1	silicification	strong				grey	dark	fine	foliated			
S475389	567750	5398106	Calc-silicate			silicification	strong				grey green	dark	fine	massive			Outcrop shows dark green with abundant light green colored micro fractures. No visible sulphides observed
S475390	567483	5398099	Calc-silicate	pyrite	1	silicification	strong	potassic	moderate	quartz	grey white pink	light	fine	foliated	260	80	Foliation is E-W, quartz veins are N-S
S475391	567484	5398100	Calc-silicate	pyrite	1	silicification	strong	potassic	moderate	quartz	grey white pink	light	fine	foliated	260	80	Foliation is E-W, quartz veins are N-S
S475392	567482	5398098	Calc-silicate	pyrite	1	silicification	strong	potassic	moderate	quartz	grey white pink	light	fine	foliated	260	80	Foliation is E-W, quartz veins are N-S
S475393	567460	5398164	Calc-silicate			silicification	strong				grey pink	medium	fine	massive			No visible sulphides observed
S475394	567429	5398149	Calc-silicate	pyrite	1	silicification	strong				grey	light	fine	massive			
S475395	567461	5398229	Calc-silicate			silicification	strong				grey	medium	fine	foliated			Pale yellow, green and pink colored alteration. No visible sulphides observed
S475396	567463	5398249	Metasediment	pyrite	1	hematitic	moderate	silicification	weak		orange brown	medium	fine	foliated	255	80	Gossanous
S475397	567465	5398242	Metasediment	pyrite	1	hematitic	moderate	silicification	weak		grey	very light	fine	foliated	255	80	Gossanous, yet locally very light grey, arkosic / granular texture
S475398	567403	5398149	Calc-silicate			silicification	strong			quartz	white pink	very light	fine	massive			Very white quartz vein stockwork up to 3m wide in calc-silicate outcrop
S475399	567403	5398148	Calc-silicate			silicification	strong			quartz	white pink	very light	fine	massive			
S475400	565865	5397973	Basalt	pyrite	1	silicification	moderate				black green orange	dark	very fine	foliated	100	85	Very gossanous, very dense, tight foliations, vuggy
S475401	565867	5397987	Basalt	pyrite	1	silicification	moderate				black green orange	dark	very fine	foliated	100	85	Very gossanous, very dense, tight foliations
S475402	565863	5397990	Basalt	pyrite	1	epidote	moderate	bleaching	moderate		black green	dark	very fine	foliated			Moderately gossanous, very dense, tight foliations
S475403	565878	5397974	Basalt			chloritic	strong				black green orange	dark	very fine	foliated			Very gossanous, very dense, tight foliations, vuggy, sandy texture, friable in parts
S475404	565879	5397965	Basalt	pyrite	1	silicification	moderate				black green orange	dark	very fine	folded			Gossanous, dense, tight folding observed in rock

Sample	Easting	Northing	Rock_Type	Min1	Min1_pct	Alt1	Alt1_Intensity	Alt2	Alt2_Intensity	Vein1	Colour	Darkness	Grain_Size	Texture	Structure1 orientation	Dip1	Comments
S475405	565881	5397966	Basalt	pyrite	1	silicification	moderate				black green orange	dark	very fine	foliated			Very gossanous, dense, moderately magnetic, moderately fractured
S475406	565884	5397964	Basalt	pyrite	1	silicification	moderate				black green orange	dark	very fine	foliated			Very gossanous, dense, moderately magnetic, moderately fractured. Joints at 15 deg and 58 deg south are common
S475407	565885	5397965	Basalt	pyrite	1	silicification	moderate				black green orange	dark	very fine	foliated			Very gossanous, very dense, tight foliations, sandy texture, friable in parts
S475408	565890	5397962	Basalt	pyrite	1	silicification	moderate				black green orange	dark	very fine	foliated			Very gossanous, very dense, garnetiferous, 1-2mm sized garnets
S475409	565878	5397980	Basalt	pyrite	1	silicification	moderate				black green orange	dark	very fine	foliated	80	80	Gossanous
S475410	565880	5397981	Basalt	pyrite	1	silicification	moderate				black green orange	dark	very fine	foliated			Gossanous
S475411	565884	5397979	Basalt			silicification	moderate-strong				black green orange	dark	very fine	foliated			Very gossanous, very dense, no visible sulphides
S475412	565901	5397959	Basalt	pyrite	1	silicification	moderate			quartz	black green orange	dark	very fine	foliated			Slightly gossanous, yellow quartz veining
S475413	565908	5397971	Basalt	pyrite	1	silicification	moderate				black green orange	dark	very fine	massive			Trace quartz veining, up to 1cm wide
S475414	565891	5397962	Basalt	pyrite	1	silicification	moderate				black green orange	dark	very fine	foliated	252	85	Very gossanous, very sheared, non magnetic, 393m elevation, questionable dip, vertical in spots
S475415	565884	5397941	Basalt	pyrite	1	silicification	moderate				black green orange	dark	very fine	foliated			Very gossanous, greenish orange color in foliations, moderately sheared, trace quartz, 1.5m wide very fine grained mafic dyke with 10cm wide pink felsic dyke, both appear unaltered
S475416	565832	5397897	Granodiorite								grey pink	light	medium	foliated			Quartz, feldspar, biotite, weakly foliated
S475417	565913	5398052	Basalt			silicification	moderate				green	dark	very fine	foliated			Fractures are slightly rusty
S475418	565920	5398055	Basalt			silicification	moderate				green	dark	very fine	foliated			Fractures are slightly rusty
S475419	565907	5398024	Basalt			silicification	moderate				green	dark	very fine	massive			Fractures are slightly rusty
S475420	565913	5397979	Basalt	pyrite	1	silicification	moderate				green	dark	very fine	foliated			Fractures are slightly rusty
S475421	565884	5397962	Basalt	pyrite	1	silicification	moderate				black green orange	dark	very fine	foliated			Very gossanous. Resembles fault gouge, very sandy, very friable, commonly unconsolidated, no visible sulphides
S475422	565710	5397977	Pink Granite	pyrite	1	silicification	moderate				black green orange	dark	very fine	foliated			Basalt / granite hard boundary contact. No alteration observed. Contact strike at 120 degrees
S475423	567655	5398216	Metasediment			hematitic	weak				grey orange	light-medium	fine	foliated			Felsic, granular in parts, no visible sulphides in sample. quartz veins up to 2cm wide. Weakly gossanous outcrop
S475424	566964	5398442	Pink Granite	pyrite	1	potassic	moderate				black red	dark	coarse	massive			Area commonly has angular pink granite boulders which have 1-2% disseminated pyrite. Kspar(50%), biotite(40%), quartz(10%)
S475425	566962	5398444	Pink Granite	pyrite	1	potassic	moderate				black red	dark	coarse	massive			Localized quartz veining, vugs and rusty quartz
S475426	566980	5398433	Pink Granite			potassic	strong				black red	dark	coarse	massive			Outcrop next to stream along Hemlo Fault, moderately fractured, shows signs of shearing. Kspar(70%), biotite(20%), quartz(10%)
S475427	567021	5398405	Felsic Intrusion	pyrite	8	silicification	strong				grey	dark	fine	foliated			20x10x5cm, found along stream in Hemlo Fault. Resembles rock seen in Hemlo deposit
S475428	567030	5398393	Pink Granite	pyrite	1	potassic	strong				black red	dark	coarse	massive			30x30x20cm angular boulder found in stream along Hemlo Fault.
S475429	567086	5398328	Pink Granite	pyrite	1	epidote	strong	potassic	strong		red green	dark	coarse	massive			Kspar(50%), biotite(30%), quartz(20%)
S475430	567074	5398231	Pink Granite			potassic	strong				red pink	medium	coarse	massive			Outcrop along stream in Hemlo Fault

APPENDIX II

Rock Assay Certificates (ALS Labs)



ALS Canada Ltd.
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To: CANADIAN OREBODIES INC.
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 Plus Appendix Pages
 Finalized Date: 5-NOV-2016
 Account: CANORE

CERTIFICATE TB16179594

Project: Hemlo
 P.O. No.: BM003
 This report is for 73 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 20-OCT-2016.
 The following have access to data associated with this certificate:

JOHN HARVEY GORDON MCKINNON	BRUCE MACKIE CANADIAN OREBODIES WEBTRIEVE	BRUCE MACLACHLAN
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SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	
ME-MS41	Ultra Trace Aqua Regia ICP-MS	
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
Au-AA23	Au 30g FA-AA finish	AAS

To: CANADIAN OREBODIES INC.
 ATTN: BRUCE MACLACHLAN
 301 - 141 ADELAIDE STREET WEST
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 
 Colin Ramshaw, Vancouver Laboratory Manager



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 Account: CANORE

Project: Hemlo

CERTIFICATE OF ANALYSIS TB16179594

Sample Description	Method	WEI-21	Au-AA23	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
S475301		1.06	<0.005	0.05	1.20	0.3	<0.2	<10	100	0.09	0.05	0.63	0.02	43.6	11.9	81
S475302		1.07	<0.005	0.23	0.79	0.4	<0.2	<10	30	0.08	0.07	0.49	0.04	19.05	31.4	188
S475303		1.43	<0.005	0.04	1.34	0.2	<0.2	<10	80	0.20	0.03	1.03	0.05	35.4	11.4	80
S475304		1.08	0.021	0.07	1.78	0.6	<0.2	10	210	0.21	0.05	1.24	0.16	37.9	31.3	14
S475305		0.74	<0.005	0.05	2.13	0.6	<0.2	10	60	0.23	0.03	1.39	0.09	35.7	33.6	15
S475306		1.08	<0.005	0.02	1.86	0.3	<0.2	<10	80	0.19	0.01	1.13	0.08	39.9	29.8	8
S475307		0.92	<0.005	0.04	1.79	0.3	<0.2	<10	100	0.21	0.02	1.09	0.13	37.9	34.2	37
S475308		0.99	<0.005	0.12	1.23	0.5	<0.2	<10	10	0.05	0.09	1.76	0.05	15.35	32.6	71
S475309		0.22	<0.005	0.10	0.25	2.0	<0.2	<10	20	0.08	0.10	0.16	0.01	12.35	2.0	15
S475310		0.74	<0.005	0.15	0.92	2.4	<0.2	<10	20	0.28	0.62	0.57	0.01	59.5	8.5	36
S475311		0.20	<0.005	0.01	0.43	0.4	<0.2	<10	20	0.19	0.02	0.25	0.02	28.1	2.8	14
S475312		1.27	<0.005	0.14	0.32	1.2	<0.2	<10	20	0.23	0.11	0.25	0.06	10.80	2.1	18
S475313		0.72	0.010	0.18	1.97	0.5	<0.2	<10	10	0.08	0.26	0.52	0.85	16.55	41.5	58
S475314		1.20	<0.005	0.04	0.06	0.4	<0.2	<10	10	0.12	0.03	0.11	0.04	1.73	1.4	6
S475315		0.74	<0.005	0.01	0.05	1.0	<0.2	<10	10	0.11	0.03	0.13	0.02	2.06	1.7	6
S475316		1.49	0.005	0.11	0.07	0.6	<0.2	<10	10	0.12	0.08	0.22	0.02	5.82	4.2	3
S475317		1.28	<0.005	0.02	0.02	1.7	<0.2	<10	<10	<0.05	<0.01	0.28	<0.01	0.87	0.9	13
S475318		0.96	<0.005	0.04	0.03	0.6	<0.2	<10	10	<0.05	0.05	0.33	0.01	4.39	1.6	4
S475319		1.01	<0.005	0.01	0.02	0.5	<0.2	<10	10	0.07	0.02	0.82	0.02	1.47	1.0	7
S475320		0.99	<0.005	0.02	0.43	0.5	<0.2	<10	40	0.07	0.01	0.11	0.04	13.90	0.7	6
S475321		1.17	0.009	0.22	0.15	0.3	<0.2	<10	10	<0.05	0.27	0.30	0.01	2.85	2.0	1
S475322		2.37	<0.005	0.01	1.38	0.3	<0.2	<10	20	0.63	0.11	2.37	0.04	26.7	3.8	7
S475323		1.53	<0.005	0.02	0.64	0.2	<0.2	<10	10	0.25	0.17	0.45	0.03	3.52	2.2	1
S475324		1.38	<0.005	0.01	2.27	0.5	<0.2	<10	20	0.42	0.07	0.80	0.05	16.40	3.2	4
S475325		1.98	<0.005	0.02	1.68	1.2	<0.2	<10	20	0.54	0.13	1.16	0.04	7.44	2.2	3
S475326		0.84	<0.005	0.02	0.06	1.0	<0.2	<10	10	0.10	0.06	0.10	0.01	1.71	1.0	2
S475327		0.79	<0.005	0.04	0.74	0.4	<0.2	<10	50	0.17	0.07	0.32	0.02	3.26	1.3	8
S475328		1.18	<0.005	0.01	0.15	0.6	<0.2	<10	10	0.12	0.01	0.13	0.03	2.60	0.6	10
S475329		1.56	<0.005	0.05	0.04	1.4	<0.2	<10	20	0.17	0.10	0.11	0.02	2.26	1.1	2
S475330		1.51	<0.005	0.02	0.05	0.7	<0.2	<10	10	0.08	0.06	0.12	0.01	1.95	0.8	4
S475331		1.43	<0.005	0.04	0.04	0.6	<0.2	<10	10	0.10	0.06	0.10	<0.01	2.19	0.6	2
S475332		0.51	<0.005	0.01	0.01	0.6	<0.2	<10	<10	0.20	0.02	0.09	<0.01	3.22	1.2	2
S475333		0.33	<0.005	0.01	0.03	0.5	<0.2	<10	<10	0.12	0.02	0.13	0.02	1.87	3.2	6
S475334		0.88	<0.005	0.13	0.87	1.0	<0.2	<10	70	0.11	0.25	0.43	0.06	47.9	4.0	4
S475335		0.70	<0.005	0.05	0.15	0.5	<0.2	<10	<10	0.15	0.19	0.06	0.01	3.04	2.4	5
S475336		0.68	0.044	0.98	0.05	0.8	<0.2	<10	10	0.12	1.26	0.15	0.02	3.37	22.5	3
S475337		0.55	0.009	0.06	0.13	0.2	<0.2	<10	<10	0.15	0.37	0.17	0.01	3.04	2.2	5
S475338		0.84	<0.005	0.05	0.05	1.0	<0.2	<10	<10	0.06	0.10	0.20	0.01	2.21	3.9	5
S475339		0.79	<0.005	0.03	0.04	0.8	<0.2	<10	<10	<0.05	0.06	0.08	0.01	1.83	2.9	7
S475340		0.74	0.007	0.05	0.03	0.7	<0.2	<10	<10	0.10	0.07	0.35	0.02	3.05	2.7	11



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Project: Hemlo

CERTIFICATE OF ANALYSIS TB16179594

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
Units		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
LOR		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
S475301		0.41	11.8	2.29	7.67	0.10	0.21	<0.01	0.007	0.21	18.7	12.2	1.18	315	0.63	0.06
S475302		1.03	226	1.77	4.44	0.06	0.14	<0.01	0.006	0.29	8.9	14.8	0.84	186	0.54	0.04
S475303		1.06	9.8	2.27	8.72	0.10	0.18	<0.01	0.007	0.35	16.6	22.6	1.20	339	0.13	0.05
S475304		1.68	93.8	5.18	10.20	0.12	0.42	<0.01	0.019	0.42	18.1	19.4	0.77	346	0.69	0.15
S475305		1.36	97.7	5.50	11.90	0.15	0.46	<0.01	0.018	0.16	17.4	26.4	1.10	372	0.61	0.07
S475306		2.18	73.7	5.35	8.83	0.12	0.31	<0.01	0.021	0.22	19.2	8.6	0.75	373	0.67	0.26
S475307		1.90	86.5	6.36	9.02	0.11	0.40	<0.01	0.024	0.26	17.9	9.1	0.86	471	0.63	0.21
S475308		0.55	166.5	2.52	2.83	0.07	0.13	<0.01	0.010	0.08	8.4	10.2	0.43	254	72.8	0.03
S475309		0.07	2.8	0.96	2.14	<0.05	0.16	<0.01	0.005	0.04	5.7	1.4	0.16	92	1.12	0.04
S475310		0.09	8.5	2.26	8.16	0.12	0.38	<0.01	0.014	0.06	29.1	8.2	0.84	329	0.59	0.04
S475311		0.19	3.0	1.00	3.58	0.05	0.16	<0.01	0.005	0.05	16.2	4.0	0.31	150	0.21	0.04
S475312		0.14	3.3	0.85	3.98	0.08	0.16	<0.01	0.006	0.03	5.2	2.3	0.16	76	0.25	0.02
S475313		0.64	204	5.44	9.67	0.09	0.08	<0.01	0.038	0.06	6.7	15.0	1.43	615	2.37	0.06
S475314		0.25	12.7	5.68	0.60	0.13	<0.02	<0.01	<0.005	0.01	1.1	0.2	0.03	242	0.52	0.01
S475315		0.25	5.0	3.79	0.67	0.06	<0.02	0.01	0.006	0.01	0.8	0.1	0.04	620	1.14	0.01
S475316		0.49	18.6	12.05	0.84	0.08	<0.02	<0.01	0.005	0.01	3.1	0.1	0.07	839	0.81	0.01
S475317		0.19	3.7	0.82	0.13	<0.05	<0.02	<0.01	<0.005	<0.01	0.5	0.1	0.01	250	0.32	0.01
S475318		0.33	5.6	12.65	1.10	0.12	<0.02	<0.01	<0.005	0.02	2.6	0.1	0.04	707	1.77	0.01
S475319		0.24	3.0	2.12	0.20	0.08	<0.02	<0.01	<0.005	0.01	0.9	0.1	0.01	367	0.32	0.01
S475320		1.61	1.6	1.10	2.45	<0.05	0.39	<0.01	<0.005	0.16	6.6	5.9	0.10	190	1.21	0.05
S475321		0.31	14.7	26.0	3.39	0.22	<0.02	<0.01	0.005	0.02	1.6	0.3	0.08	2440	3.91	0.01
S475322		1.63	8.4	4.41	4.90	0.18	0.10	<0.01	0.013	0.17	12.3	7.0	0.23	1830	0.59	0.06
S475323		0.57	17.2	19.85	5.43	0.22	0.03	<0.01	0.009	0.05	1.7	1.0	0.16	2030	2.40	0.04
S475324		3.48	10.3	11.50	8.48	0.26	0.11	<0.01	0.017	0.20	6.1	5.3	0.40	1910	161.5	0.07
S475325		1.98	14.2	11.75	8.69	0.24	0.11	<0.01	0.018	0.16	3.3	2.7	0.33	1440	14.50	0.10
S475326		0.22	13.4	13.40	0.78	0.13	<0.02	<0.01	<0.005	0.01	1.1	0.1	0.06	554	1.95	0.01
S475327		2.29	14.8	4.16	3.08	0.07	0.09	<0.01	0.023	0.15	1.8	3.3	0.22	762	0.75	0.05
S475328		2.31	1.5	1.03	1.08	<0.05	0.09	<0.01	<0.005	0.05	1.3	1.6	0.06	326	0.29	0.02
S475329		0.25	11.4	9.96	0.48	0.15	<0.02	<0.01	<0.005	0.03	1.5	0.1	0.04	579	0.29	0.01
S475330		0.39	7.3	7.14	0.61	0.06	<0.02	<0.01	<0.005	0.01	1.1	0.1	0.07	687	0.67	0.01
S475331		0.18	5.9	7.91	0.60	0.06	<0.02	<0.01	<0.005	0.01	1.2	0.1	0.06	380	0.29	0.01
S475332		0.21	3.2	2.86	0.15	<0.05	<0.02	<0.01	<0.005	<0.01	2.3	0.1	0.06	471	0.13	0.01
S475333		0.22	4.6	5.21	0.66	<0.05	<0.02	<0.01	<0.005	<0.01	1.1	0.1	0.03	649	1.09	0.01
S475334		1.30	8.8	2.13	6.35	0.10	0.33	<0.01	0.022	0.27	16.5	9.5	0.49	251	0.18	0.06
S475335		1.68	12.2	4.49	1.69	0.05	0.39	<0.01	<0.005	0.07	1.4	0.9	0.02	261	0.58	0.03
S475336		1.11	97.8	16.60	1.07	0.13	<0.02	<0.01	<0.005	0.01	2.1	0.1	0.03	528	5.34	0.01
S475337		3.90	23.1	15.50	2.68	0.16	0.22	<0.01	<0.005	0.03	1.6	0.8	0.05	817	4.29	0.01
S475338		0.55	8.4	3.23	0.36	<0.05	<0.02	<0.01	<0.005	0.01	1.4	0.1	0.04	329	0.40	0.01
S475339		0.16	3.8	2.71	0.44	<0.05	<0.02	<0.01	<0.005	<0.01	1.0	0.1	0.03	331	0.29	0.01
S475340		1.02	6.2	2.75	0.27	<0.05	<0.02	<0.01	<0.005	0.01	1.6	0.1	0.04	688	0.45	0.01



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
S475301		0.21	47.4	850	1.6	7.4	0.001	0.16	<0.05	2.9	0.3	0.3	31.1	<0.01	0.05	2.7
S475302		0.16	214	380	2.7	15.3	0.001	0.38	<0.05	2.4	0.6	0.2	9.2	<0.01	0.07	1.4
S475303		0.17	31.6	550	3.5	15.6	<0.001	0.04	<0.05	1.7	<0.2	0.3	51.7	<0.01	0.01	2.4
S475304		0.19	36.6	1230	11.1	22.3	<0.001	0.16	<0.05	2.6	0.7	0.4	37.6	<0.01	0.01	2.3
S475305		0.20	40.4	1190	3.9	11.4	0.001	0.12	<0.05	2.9	0.5	0.4	24.6	<0.01	0.02	2.2
S475306		0.30	40.7	1170	3.7	21.0	<0.001	0.01	<0.05	2.8	0.6	0.4	62.8	0.01	0.01	2.4
S475307		0.28	42.7	1080	5.2	20.7	0.001	0.05	<0.05	3.0	0.5	0.5	52.3	<0.01	0.01	2.4
S475308		0.34	177.0	300	1.3	6.8	0.018	0.89	<0.05	8.4	1.2	0.2	16.0	<0.01	0.16	0.4
S475309		0.68	2.7	310	7.3	1.9	<0.001	0.12	0.09	1.0	0.2	0.2	36.4	<0.01	0.02	2.0
S475310		0.65	9.4	1080	8.3	2.8	<0.001	0.18	0.08	3.1	0.5	0.6	88.3	0.01	0.02	5.7
S475311		0.66	3.4	340	1.6	3.1	<0.001	0.02	<0.05	1.4	<0.2	0.3	63.5	<0.01	<0.01	2.6
S475312		0.68	2.8	210	4.6	1.6	<0.001	0.06	0.05	1.3	<0.2	0.2	134.5	<0.01	0.02	1.3
S475313		0.22	85.7	670	2.5	3.4	0.004	1.38	<0.05	12.3	1.2	0.3	5.7	<0.01	0.23	0.7
S475314		0.08	2.9	200	0.3	0.9	0.001	0.22	<0.05	0.2	0.2	<0.2	4.1	<0.01	0.13	<0.2
S475315		0.10	1.9	80	0.7	1.2	0.001	0.03	<0.05	0.5	0.3	<0.2	2.1	<0.01	0.10	<0.2
S475316		0.10	9.8	100	0.5	0.9	0.002	1.21	<0.05	0.1	0.7	0.2	1.9	<0.01	0.29	<0.2
S475317		0.07	3.7	20	0.2	0.6	<0.001	0.06	<0.05	0.1	<0.2	<0.2	2.7	<0.01	0.02	<0.2
S475318		0.09	3.3	140	0.5	1.2	<0.001	0.19	<0.05	0.2	0.3	<0.2	3.4	<0.01	0.25	<0.2
S475319		0.07	2.3	60	0.3	1.0	<0.001	0.07	<0.05	0.1	0.2	<0.2	6.4	<0.01	0.04	<0.2
S475320		0.25	1.1	30	18.0	10.9	<0.001	0.01	<0.05	0.6	<0.2	<0.2	10.9	<0.01	0.01	1.7
S475321		0.22	2.3	90	0.6	1.5	0.001	0.06	<0.05	0.4	0.8	0.3	3.8	<0.01	0.50	<0.2
S475322		0.47	8.6	550	1.8	9.7	0.001	0.11	<0.05	3.4	0.4	0.5	20.3	0.01	0.06	1.2
S475323		0.23	4.5	140	0.6	3.1	0.001	0.05	<0.05	1.8	0.4	0.3	7.5	<0.01	0.18	0.3
S475324		0.28	13.6	130	1.0	16.5	0.033	0.07	<0.05	4.3	0.3	0.4	12.8	<0.01	0.07	1.7
S475325		0.31	7.9	570	1.0	7.6	0.004	0.06	<0.05	4.1	0.5	0.5	20.5	<0.01	0.16	0.9
S475326		0.08	1.6	80	0.6	1.0	0.001	0.03	<0.05	0.4	0.3	<0.2	1.3	<0.01	0.22	<0.2
S475327		0.37	3.8	120	1.8	23.6	<0.001	0.15	<0.05	1.1	0.3	0.4	5.6	<0.01	0.12	0.8
S475328		0.39	2.9	30	2.5	13.6	<0.001	0.05	<0.05	0.3	<0.2	<0.2	1.8	<0.01	0.01	1.5
S475329		0.08	1.2	160	0.9	2.2	<0.001	0.06	<0.05	0.6	0.4	<0.2	3.2	<0.01	0.36	<0.2
S475330		0.07	1.8	70	0.6	1.2	<0.001	0.05	<0.05	0.3	0.2	<0.2	1.6	<0.01	0.19	<0.2
S475331		0.07	1.9	70	0.4	1.0	<0.001	0.09	<0.05	0.4	0.3	<0.2	1.4	<0.01	0.18	<0.2
S475332		0.06	4.9	80	0.2	0.4	<0.001	0.13	<0.05	0.4	0.2	<0.2	0.8	<0.01	0.07	<0.2
S475333		0.07	8.5	20	<0.2	0.5	0.001	0.10	<0.05	0.3	<0.2	<0.2	1.5	<0.01	0.08	<0.2
S475334		1.65	1.5	1150	7.1	22.6	<0.001	0.14	0.08	1.2	0.4	0.8	29.5	<0.01	0.10	5.3
S475335		0.41	4.3	30	6.2	10.9	<0.001	0.17	<0.05	0.3	<0.2	<0.2	1.2	<0.01	0.10	3.6
S475336		0.10	38.7	120	1.4	2.8	0.009	6.84	0.05	0.1	4.4	<0.2	2.0	<0.01	2.62	<0.2
S475337		0.36	4.1	70	2.4	6.4	0.002	0.24	<0.05	0.4	0.3	0.3	2.1	<0.01	0.23	2.2
S475338		0.08	8.9	90	0.3	1.2	0.001	0.67	<0.05	0.3	0.2	<0.2	3.7	<0.01	0.27	<0.2
S475339		0.09	5.8	30	<0.2	0.4	0.001	0.41	<0.05	0.2	0.2	<0.2	0.9	<0.01	0.18	<0.2
S475340		0.08	5.6	30	0.7	1.4	<0.001	0.74	<0.05	0.3	0.2	<0.2	3.1	<0.01	0.16	<0.2



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	Au-GR22	
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	Au ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.05
S475301		0.175	0.04	0.50	52	0.36	3.79	46	6.4	
S475302		0.129	0.08	0.30	42	0.09	2.78	37	3.6	
S475303		0.187	0.08	0.49	51	0.14	2.63	90	5.0	
S475304		0.243	0.11	0.36	222	0.13	12.00	135	17.8	
S475305		0.267	0.06	0.34	203	0.12	11.50	102	20.0	
S475306		0.179	0.06	0.36	195	0.08	13.00	61	15.1	
S475307		0.209	0.08	0.38	245	0.09	11.25	88	17.6	
S475308		0.074	0.21	0.09	71	0.61	5.89	26	3.5	
S475309		0.064	0.02	0.45	17	0.05	1.75	10	2.9	
S475310		0.168	0.02	1.12	41	0.11	7.71	41	7.8	
S475311		0.064	0.02	0.82	18	0.05	3.09	16	3.0	
S475312		0.049	<0.02	0.33	23	0.07	1.62	17	3.6	
S475313		0.189	0.06	0.13	174	1.90	8.06	199	2.2	
S475314		<0.005	<0.02	0.06	2	0.11	1.24	6	<0.5	
S475315		<0.005	<0.02	<0.05	3	0.07	0.98	6	<0.5	
S475316		0.009	<0.02	<0.05	5	0.20	2.03	2	<0.5	
S475317		<0.005	<0.02	<0.05	<1	<0.05	0.47	<2	<0.5	
S475318		0.007	<0.02	<0.05	4	2.69	1.21	3	<0.5	
S475319		<0.005	<0.02	<0.05	1	0.19	1.06	4	<0.5	
S475320		0.038	0.07	0.83	6	0.09	1.57	21	10.8	
S475321		0.023	0.02	<0.05	14	0.28	1.99	12	<0.5	
S475322		0.103	0.08	0.98	33	1.79	4.89	19	2.5	
S475323		0.053	<0.02	0.07	37	0.21	1.81	12	1.0	
S475324		0.111	0.10	0.22	66	0.18	4.68	27	3.7	
S475325		0.084	0.06	0.18	64	0.11	3.36	22	3.7	
S475326		0.006	<0.02	0.05	6	0.28	1.19	3	<0.5	
S475327		0.049	0.20	0.13	14	0.13	0.74	15	2.5	
S475328		0.009	0.09	0.53	2	0.07	0.72	7	2.2	
S475329		0.005	<0.02	<0.05	5	0.33	1.57	6	<0.5	
S475330		0.005	<0.02	<0.05	4	0.14	1.24	3	<0.5	
S475331		0.005	<0.02	<0.05	5	0.54	1.66	<2	<0.5	
S475332		<0.005	<0.02	<0.05	7	0.16	1.65	<2	<0.5	
S475333		<0.005	<0.02	<0.05	10	0.09	1.09	3	<0.5	
S475334		0.242	0.10	1.21	37	2.70	4.04	63	10.4	
S475335		0.006	0.08	1.51	5	0.32	0.74	4	5.6	
S475336		0.011	0.02	1.01	7	0.26	1.20	2	<0.5	
S475337		0.012	0.06	2.27	10	0.16	1.46	4	4.7	
S475338		<0.005	<0.02	0.05	3	0.31	1.02	<2	<0.5	
S475339		<0.005	<0.02	<0.05	2	0.17	0.65	<2	<0.5	
S475340		<0.005	<0.02	<0.05	2	0.06	1.67	3	<0.5	



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Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
		0.02	0.005	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
S475341		1.05	<0.005	0.07	0.02	0.9	<0.2	<10	<10	0.05	0.08	0.15	0.01	1.32	3.4	7
S475342		0.87	<0.005	0.01	0.10	1.0	<0.2	<10	10	0.09	0.03	0.31	0.02	2.26	1.0	9
S475343		0.83	<0.005	0.02	0.03	0.2	<0.2	<10	10	0.08	0.02	0.04	<0.01	1.25	1.2	10
S475351		1.83	1.850	1.50	1.92	52.9	2.8	<10	30	0.57	0.09	0.82	0.03	4.28	13.2	147
S475352		1.15	0.335	0.30	0.51	110.5	0.3	<10	10	0.40	0.03	0.87	0.03	1.50	11.6	64
S475353		1.19	0.133	0.05	0.15	16.1	<0.2	<10	10	0.08	0.02	0.23	0.01	1.13	2.6	24
S475354		0.86	0.786	0.55	0.60	12.6	0.3	<10	10	0.55	0.11	0.60	0.05	1.93	26.0	84
S475355		0.74	0.081	0.38	0.63	37.6	0.4	<10	20	0.38	0.04	0.61	0.02	3.94	5.2	50
S475356		0.15	6.76	1.09	1.09	151.5	4.4	<10	20	1.25	0.05	1.05	0.05	2.06	29.1	84
S475357		1.21	0.053	1.01	0.42	2.5	<0.2	<10	10	0.08	0.21	0.29	0.09	13.00	32.2	77
S475358		0.52	0.026	0.03	0.61	2.6	<0.2	<10	10	0.07	0.02	0.30	0.12	3.16	9.4	140
S475359		1.10	2.59	0.84	2.71	9130	1.7	<10	200	0.30	0.06	0.18	0.56	3.31	34.3	245
S475360		0.67	0.860	0.10	0.09	228	<0.2	<10	10	0.07	0.01	0.04	0.01	0.82	2.6	17
S475361		0.48	1.780	0.35	0.14	162.5	1.0	<10	10	0.16	0.01	0.14	0.02	1.32	2.8	15
S475362		0.71	2.84	1.33	0.22	2350	4.9	<10	10	0.24	0.05	0.24	0.02	0.75	8.0	33
S475363		1.74	0.744	0.35	0.31	80.3	0.5	<10	10	0.10	0.02	0.21	0.02	2.12	3.4	33
S475364		1.00	5.34	1.62	0.11	81.2	1.5	<10	<10	0.12	0.11	0.15	0.04	2.17	5.8	7
S475365		0.95	0.077	0.35	0.75	1.7	<0.2	<10	40	<0.05	0.21	0.65	0.04	4.59	31.8	21
S475366		1.24	1.225	0.32	0.30	1.6	0.6	<10	<10	<0.05	0.10	0.51	0.02	2.25	20.6	66
S475367		0.96	0.007	0.44	0.42	4.0	<0.2	<10	10	0.18	0.29	0.58	1.60	20.3	21.0	24
S475368		0.50	0.169	0.22	0.29	9.2	0.2	<10	10	0.09	0.05	0.48	0.02	2.05	5.7	57
S475369		1.66	0.096	0.10	0.19	10.9	<0.2	<10	20	0.06	0.04	0.13	0.04	0.54	3.1	63
S475370		0.89	0.044	0.44	0.87	5.8	<0.2	<10	80	0.12	0.16	0.68	0.04	41.5	25.8	69
S475371		0.37	1.405	0.89	1.21	28.9	1.0	<10	60	0.37	0.13	0.71	0.46	12.40	31.3	92
S475372		1.72	0.580	0.58	0.98	126.5	1.5	<10	110	0.28	0.24	0.40	0.34	8.76	15.9	118
S475373		1.20	0.099	0.13	0.29	21.0	0.2	<10	60	0.15	0.06	0.27	0.06	1.46	2.2	26
S475374		1.00	3.72	1.00	2.99	74.8	4.0	<10	80	0.76	0.06	2.86	0.07	26.4	39.0	242
S475375		0.94	0.049	0.13	0.53	19.1	<0.2	<10	40	0.19	0.05	0.76	0.13	2.29	7.3	69
S475376		0.64	0.087	0.08	1.57	48.3	0.2	<10	160	0.43	0.10	3.58	0.29	2.92	42.8	133
S475377		0.33	0.935	0.90	2.46	37.1	2.3	<10	180	0.36	0.10	1.70	0.07	13.55	53.8	261
S475378		0.63	0.041	0.18	0.41	19.7	<0.2	<10	40	0.13	0.03	0.25	0.03	13.50	6.5	26
S475379		0.83	0.211	0.49	3.16	52.9	<0.2	<10	90	0.81	0.08	3.74	0.10	40.8	30.6	93
S475380		0.95	0.042	0.06	0.91	6.0	<0.2	<10	80	0.30	0.03	3.61	0.10	1.74	9.6	320



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
S475341		0.36	6.7	3.08	0.23	<0.05	<0.02	<0.01	<0.005	0.01	0.8	0.1	0.03	395	0.48	0.01
S475342		1.93	2.8	1.60	0.38	<0.05	<0.02	<0.01	0.018	0.02	1.0	0.2	0.05	604	0.32	0.01
S475343		0.49	4.3	2.84	0.32	0.09	<0.02	<0.01	<0.005	0.01	0.6	0.1	0.02	146	0.78	0.01
S475351		2.32	90.1	4.93	5.88	0.06	0.06	<0.01	0.008	0.53	1.8	22.2	1.16	407	0.46	0.06
S475352		0.30	29.3	1.78	2.16	<0.05	0.03	<0.01	<0.005	0.08	0.7	5.9	0.31	180	0.43	0.01
S475353		0.20	9.4	0.65	0.96	<0.05	0.02	<0.01	<0.005	0.04	0.5	0.9	0.10	99	0.22	0.03
S475354		0.51	20.0	3.01	2.82	<0.05	0.06	<0.01	<0.005	0.10	0.8	9.1	0.30	132	0.44	0.02
S475355		0.54	26.7	3.07	2.72	0.05	0.12	<0.01	0.007	0.08	1.8	5.8	0.41	191	1.19	0.02
S475356		0.38	86.6	3.77	5.68	<0.05	0.09	<0.01	0.008	0.14	0.8	9.5	0.38	174	0.29	0.04
S475357		0.24	86.1	4.77	2.59	0.05	0.21	<0.01	<0.005	0.04	5.9	9.9	0.42	191	4.12	0.05
S475358		0.10	14.2	1.15	2.70	<0.05	0.04	<0.01	0.011	0.02	1.3	5.7	0.61	236	5.65	0.02
S475359		4.51	80.7	5.67	13.15	0.13	0.04	<0.01	0.035	1.87	1.3	49.6	2.49	516	0.33	0.07
S475360		0.07	9.0	0.71	0.56	<0.05	0.02	<0.01	<0.005	0.02	0.4	1.6	0.09	49	0.20	0.01
S475361		0.14	9.3	0.94	0.86	<0.05	0.03	<0.01	<0.005	0.03	0.6	1.3	0.06	61	0.30	0.01
S475362		0.10	20.1	1.72	2.02	<0.05	0.02	<0.01	<0.005	0.04	0.3	2.2	0.11	74	0.92	0.02
S475363		0.49	4.7	1.20	2.14	<0.05	0.03	<0.01	<0.005	0.15	1.0	11.2	0.28	134	1.62	0.01
S475364		0.19	75.3	4.06	0.96	<0.05	0.03	<0.01	<0.005	0.02	1.1	0.4	0.04	114	1.08	0.02
S475365		0.94	230	3.51	3.75	0.08	0.11	<0.01	0.013	0.19	1.7	15.6	0.58	251	5.17	0.07
S475366		0.54	160.5	2.48	1.93	0.05	0.08	<0.01	0.005	0.11	0.9	4.1	0.21	118	0.19	0.04
S475367		0.55	151.5	6.80	3.28	0.09	0.50	0.03	0.159	0.04	8.4	1.6	0.06	163	9.24	0.04
S475368		0.06	18.7	0.99	2.06	<0.05	0.03	<0.01	0.007	0.02	1.0	3.3	0.32	119	1.60	0.02
S475369		0.11	16.4	0.62	1.22	<0.05	<0.02	<0.01	0.006	0.03	0.3	2.2	0.21	83	0.73	0.01
S475370		1.21	158.5	3.51	4.30	0.09	0.66	<0.01	0.014	0.26	19.3	8.5	0.85	315	0.19	0.05
S475371		2.60	85.9	4.28	9.17	0.07	0.33	0.01	0.055	0.79	5.8	20.2	0.94	354	1.96	0.05
S475372		1.52	162.0	4.22	6.72	0.06	0.33	<0.01	0.039	0.72	4.2	11.6	0.89	244	1.95	0.03
S475373		0.50	9.2	0.75	1.87	<0.05	0.04	<0.01	0.008	0.19	0.7	4.4	0.28	131	0.61	0.01
S475374		4.37	127.5	5.85	9.05	0.12	0.27	0.01	0.013	2.33	11.5	34.9	2.70	800	0.52	0.04
S475375		0.55	18.2	1.39	3.50	<0.05	0.06	<0.01	0.011	0.29	1.1	6.5	0.52	224	15.05	0.02
S475376		1.54	8.2	3.67	10.10	0.07	0.13	<0.01	0.047	0.84	1.3	23.1	1.75	754	5.61	0.02
S475377		2.16	129.5	4.32	11.55	0.10	0.34	<0.01	0.075	1.68	6.1	25.5	2.01	517	1.75	0.10
S475378		0.36	28.4	1.10	1.60	<0.05	0.12	<0.01	0.008	0.19	6.4	5.4	0.34	143	0.40	0.03
S475379		4.36	96.6	5.70	12.00	0.12	0.78	<0.01	0.017	2.43	18.5	39.4	2.79	998	1.46	0.07
S475380		1.03	6.8	1.69	3.56	<0.05	0.03	<0.01	0.009	0.57	0.8	8.8	1.04	581	0.63	0.01



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Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
S475341		0.07	7.0	30	0.5	0.6	<0.001	1.00	<0.05	0.1	0.2	<0.2	1.6	<0.01	0.19	<0.2
S475342		0.08	2.6	10	0.2	3.6	<0.001	0.38	<0.05	0.2	<0.2	<0.2	5.9	<0.01	0.04	<0.2
S475343		0.08	3.0	180	<0.2	1.5	0.001	0.19	<0.05	0.1	<0.2	<0.2	2.5	<0.01	0.06	<0.2
S475351		0.18	38.4	220	1.1	28.8	0.001	0.73	0.06	5.5	2.4	<0.2	21.5	<0.01	0.43	0.2
S475352		0.16	37.3	90	1.1	3.4	<0.001	0.33	0.07	1.7	0.8	<0.2	6.9	<0.01	0.21	<0.2
S475353		0.20	9.0	70	0.3	1.8	<0.001	0.04	<0.05	0.6	<0.2	<0.2	3.9	<0.01	0.04	<0.2
S475354		0.26	69.2	190	2.2	7.3	0.001	1.35	0.12	1.4	1.6	<0.2	8.9	<0.01	0.17	<0.2
S475355		0.71	13.4	520	0.6	4.7	<0.001	0.17	0.11	2.8	1.3	0.3	20.4	<0.01	0.29	0.2
S475356		0.45	91.9	200	3.3	9.5	0.001	1.32	0.15	4.1	4.0	0.2	9.8	<0.01	0.10	<0.2
S475357		0.43	52.6	60	2.6	1.6	0.001	2.67	<0.05	1.2	2.1	0.2	8.4	<0.01	1.01	0.7
S475358		0.15	38.1	170	1.8	0.8	<0.001	0.06	0.05	1.2	0.2	<0.2	9.0	<0.01	0.07	0.2
S475359		0.15	92.7	190	1.1	61.8	0.001	1.42	0.54	24.4	14.1	0.3	8.0	<0.01	1.64	0.2
S475360		0.13	3.8	30	0.4	0.8	<0.001	0.18	0.23	0.7	1.2	<0.2	1.6	<0.01	0.11	<0.2
S475361		0.17	6.6	40	0.9	1.4	<0.001	0.37	0.24	0.5	1.7	<0.2	3.0	<0.01	0.07	<0.2
S475362		0.15	16.7	10	0.8	1.8	<0.001	0.91	0.12	1.1	4.1	<0.2	2.9	<0.01	0.65	<0.2
S475363		0.12	7.0	120	0.8	8.5	<0.001	0.51	0.08	1.2	2.4	<0.2	5.4	<0.01	0.36	0.2
S475364		0.44	8.6	100	3.3	1.1	<0.001	3.55	0.08	0.2	6.9	0.2	6.4	<0.01	0.52	0.2
S475365		0.23	40.7	400	0.9	8.6	0.008	1.23	0.05	7.1	1.2	<0.2	6.8	<0.01	0.36	0.2
S475366		0.24	41.0	140	0.3	9.4	0.001	0.80	0.05	3.4	0.8	<0.2	3.2	<0.01	0.21	<0.2
S475367		2.68	29.7	540	28.1	2.3	0.014	4.98	0.21	2.2	6.7	2.3	8.4	0.02	0.29	2.7
S475368		0.10	16.6	20	1.1	0.7	<0.001	0.29	<0.05	2.1	1.3	<0.2	9.3	<0.01	0.39	<0.2
S475369		0.09	15.3	<10	0.5	1.2	<0.001	0.17	<0.05	1.2	0.5	<0.2	3.3	<0.01	0.22	<0.2
S475370		0.20	43.9	480	3.0	10.2	<0.001	1.31	0.05	4.4	3.1	0.2	20.1	<0.01	0.94	2.6
S475371		0.21	62.3	140	6.3	44.2	0.002	2.21	0.12	7.2	2.2	0.7	17.6	<0.01	0.24	0.9
S475372		0.19	39.2	220	2.5	24.4	0.001	2.02	0.08	4.6	1.7	0.5	10.0	<0.01	0.72	1.4
S475373		0.11	6.1	110	16.5	9.3	<0.001	0.11	0.12	1.3	<0.2	<0.2	5.3	<0.01	0.23	<0.2
S475374		0.11	55.2	1520	2.8	86.2	<0.001	2.03	0.16	7.5	5.4	0.2	64.3	<0.01	0.46	1.4
S475375		0.10	21.7	110	1.1	10.7	<0.001	0.45	0.10	2.6	0.9	0.2	11.4	<0.01	0.22	0.2
S475376		0.12	41.0	280	1.9	27.1	<0.001	1.93	0.09	11.1	1.1	0.5	50.4	<0.01	0.18	0.2
S475377		0.13	84.4	290	4.1	54.1	0.002	1.84	0.16	21.0	2.2	1.1	41.1	<0.01	0.47	1.1
S475378		0.16	9.3	230	2.2	6.3	<0.001	0.36	0.11	2.0	0.5	<0.2	8.1	<0.01	0.07	0.8
S475379		0.16	43.4	1480	2.9	95.2	<0.001	2.32	0.20	6.3	1.8	0.5	53.8	<0.01	0.14	2.5
S475380		0.10	52.6	90	1.5	18.3	<0.001	0.09	0.08	3.4	0.4	<0.2	72.6	<0.01	0.13	<0.2



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	Au-GRA22
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	Au ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.05
S475341		<0.005	<0.02	<0.05	1	0.10	0.85	2	<0.5	
S475342		<0.005	<0.02	<0.05	2	<0.05	0.80	4	<0.5	
S475343		<0.005	<0.02	<0.05	1	0.06	0.85	<2	<0.5	
S475351		0.200	0.25	0.08	88	10.65	4.49	36	1.1	
S475352		0.060	0.03	<0.05	38	6.13	2.14	12	0.6	
S475353		0.032	0.02	0.06	18	0.46	1.58	4	0.5	
S475354		0.092	0.07	0.17	46	2.17	4.05	11	1.0	
S475355		0.213	0.03	0.08	44	3.77	6.10	16	2.3	
S475356		0.135	0.09	0.12	59	14.10	4.25	24	1.3	6.95
S475357		0.192	0.02	0.16	34	36.9	7.67	22	4.3	
S475358		0.024	<0.02	<0.05	24	5.06	1.25	49	1.6	
S475359		0.293	0.40	0.26	188	5.77	1.98	209	1.3	
S475360		0.019	<0.02	<0.05	9	3.54	0.45	4	0.5	
S475361		0.023	0.02	0.08	8	1.46	0.88	5	0.7	
S475362		0.031	0.02	<0.05	19	4.00	0.99	7	<0.5	
S475363		0.028	0.06	<0.05	23	2.35	0.89	11	0.9	
S475364		0.023	0.03	0.05	10	5.59	1.07	10	1.1	4.82
S475365		0.198	0.08	<0.05	77	12.30	6.93	25	2.9	
S475366		0.157	0.08	<0.05	73	12.00	4.15	9	1.8	
S475367		0.227	0.14	0.54	30	6.83	6.21	801	17.5	
S475368		0.023	0.02	<0.05	18	0.40	0.89	13	1.0	
S475369		0.010	<0.02	<0.05	12	0.13	0.46	18	<0.5	
S475370		0.147	0.08	0.40	49	1.18	6.21	34	24.9	
S475371		0.162	0.31	0.11	100	12.50	4.71	182	13.0	
S475372		0.063	0.15	0.25	77	0.89	2.97	164	12.4	
S475373		0.016	0.05	<0.05	19	0.25	0.75	50	1.5	
S475374		0.265	0.51	0.34	131	26.3	9.04	77	10.3	3.59
S475375		0.029	0.06	<0.05	42	1.65	1.31	59	2.1	
S475376		0.085	0.20	<0.05	110	0.65	6.73	148	4.1	
S475377		0.217	0.32	0.13	190	4.43	6.75	94	14.0	
S475378		0.037	0.05	0.10	19	1.81	1.80	18	4.9	
S475379		0.287	0.64	0.55	167	24.0	10.10	99	32.6	
S475380		0.060	0.10	<0.05	46	1.50	2.55	48	1.3	



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CERTIFICATE OF ANALYSIS TB16179594

	CERTIFICATE COMMENTS										
Applies to Method:	<p style="text-align: center;">ANALYTICAL COMMENTS</p> <p>Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g). ME-MS41</p>										
Applies to Method:	<p style="text-align: center;">LABORATORY ADDRESSES</p> <p>Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">CRU-31</td> <td style="width: 33%;">CRU-QC</td> <td style="width: 33%;">LOG-22</td> <td style="width: 15%;"></td> <td style="width: 15%;">PUL-31</td> </tr> <tr> <td>PUL-QC</td> <td>SPL-21</td> <td>WEI-21</td> <td></td> <td></td> </tr> </table>	CRU-31	CRU-QC	LOG-22		PUL-31	PUL-QC	SPL-21	WEI-21		
CRU-31	CRU-QC	LOG-22		PUL-31							
PUL-QC	SPL-21	WEI-21									
Applies to Method:	<p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Au-AA23</td> <td style="width: 33%;">Au-GRA22</td> <td style="width: 33%;">ME-MS41</td> <td></td> </tr> </table>	Au-AA23	Au-GRA22	ME-MS41							
Au-AA23	Au-GRA22	ME-MS41									



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Page: 1
 Total # Pages: 2 (A – D)
 Plus Appendix Pages
 Finalized Date: 5–NOV–2016
 Account: CANORE

CERTIFICATE TM16181952

Project: Hemlo
 P.O. No.: BM005b
 This report is for 21 Rock samples submitted to our lab in Timmins, ON, Canada on 24–OCT–2016.
 The following have access to data associated with this certificate:

JOHN HARVEY GORDON MCKINNON	BRUCE MACKIE CANADIAN OREBODIES WEBTRIEVE	BRUCE MACLACHLAN
--------------------------------	--	------------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login – Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing – 70% <2mm
SPL-21	Split sample – riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	
ME-MS41	Ultra Trace Aqua Regia ICP-MS	
Au-AA23	Au 30g FA-AA finish	AAS

To: **CANADIAN OREBODIES INC.**
ATTN: BRUCE MACLACHLAN
301 – 141 ADELAIDE STREET WEST
TORONTO ON M5H 3L5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 
 Colin Ramshaw, Vancouver Laboratory Manager



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 Account: CANORE

Project: Hemlo

CERTIFICATE OF ANALYSIS TM16181952

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	ME-MS41 Ag ppm	ME-MS41 Al %	ME-MS41 As ppm	ME-MS41 Au ppm	ME-MS41 B ppm	ME-MS41 Ba ppm	ME-MS41 Be ppm	ME-MS41 Bi ppm	ME-MS41 Ca %	ME-MS41 Cd ppm	ME-MS41 Ce ppm	ME-MS41 Co ppm	ME-MS41 Cr ppm
S475403		0.02	0.005	0.01	0.01	0.1	<0.2	<10	10	0.08	0.04	2.20	0.03	0.77	4.1	47
S475404		1.10	<0.005	0.07	4.04	0.6	<0.2	<10	10	0.10	0.07	2.69	0.05	1.04	8.3	56
S475405		0.93	<0.005	0.08	1.80	2.6	<0.2	<10	10	<0.05	0.10	1.22	0.10	1.07	9.3	141
S475406		0.49	<0.005	0.04	2.11	0.6	<0.2	<10	10	0.05	0.06	1.69	0.08	0.98	9.1	77
S475407		1.01	0.012	0.17	1.08	2.9	<0.2	<10	10	<0.05	0.09	1.05	0.08	0.76	6.8	113
S475408		0.98	0.005	0.12	1.41	3.4	<0.2	<10	10	<0.05	0.07	1.15	0.07	1.12	4.7	59
S475409		0.42	<0.005	0.02	2.58	0.8	<0.2	<10	10	0.07	0.07	1.75	0.09	0.98	7.0	103
S475410		0.71	<0.005	0.03	1.57	0.4	<0.2	<10	<10	0.07	0.02	1.52	0.03	0.85	8.1	53
S475411		1.07	<0.005	0.06	2.38	0.9	<0.2	<10	10	0.07	0.07	1.30	0.05	0.88	6.5	68
S475412		0.65	<0.005	0.06	3.22	1.8	<0.2	<10	20	0.17	0.03	2.47	0.01	3.91	18.7	36
S475414		0.46	0.005	0.09	3.45	0.8	<0.2	<10	20	0.09	0.10	2.65	0.02	2.00	29.1	56
S475415		1.14	<0.005	0.09	1.28	1.2	<0.2	<10	20	0.08	0.08	1.40	0.02	2.41	14.8	78
S475417		0.71	0.006	0.12	1.95	1.0	<0.2	<10	20	<0.05	0.12	1.57	0.01	0.69	22.5	51
S475421		0.92	0.019	0.53	0.29	6.4	<0.2	<10	10	<0.05	0.24	0.33	0.03	0.44	1.5	21
S475423		0.57	<0.005	0.12	0.73	2.3	<0.2	<10	10	0.11	0.03	0.57	0.07	10.55	5.9	20
S475424		0.50	<0.005	0.14	0.89	3.4	<0.2	<10	40	0.16	0.46	0.20	0.01	74.2	5.0	23
S475425		0.97	<0.005	0.05	1.55	3.5	<0.2	<10	50	0.25	0.31	0.39	0.21	67.5	9.0	27
S475426		0.55	<0.005	0.03	1.83	3.1	<0.2	<10	30	0.71	0.35	0.26	0.01	45.4	9.9	21
S475427		0.48	0.005	0.21	2.62	3.6	<0.2	20	110	0.41	0.10	1.48	0.07	53.4	23.3	54
S475428		0.76	<0.005	0.04	1.63	1.5	<0.2	<10	30	0.75	0.20	1.47	0.04	51.2	13.2	72
S475429		0.80	<0.005	0.03	2.25	2.5	<0.2	<10	30	0.45	0.28	1.42	0.02	82.9	28.3	56



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 Account: CANORE

Project: Hemlo

CERTIFICATE OF ANALYSIS TM16181952

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
S475403		0.24	17.1	1.82	4.57	<0.05	0.03	<0.01	0.011	0.04	0.4	6.7	0.60	394	0.17	0.33
S475404		0.10	232	2.23	6.34	0.06	0.04	<0.01	0.014	0.02	0.6	7.3	0.72	389	0.20	0.37
S475405		0.22	80.5	7.98	6.23	0.13	0.04	<0.01	0.030	0.04	0.4	8.3	1.20	890	0.72	0.15
S475406		0.07	131.0	3.79	4.85	0.09	0.07	<0.01	0.023	0.04	0.4	4.2	1.02	503	0.26	0.26
S475407		0.09	146.0	6.64	4.18	0.15	0.02	<0.01	0.027	0.03	0.3	0.8	0.81	770	2.24	0.14
S475408		0.13	119.5	3.79	3.97	0.11	0.02	<0.01	0.025	0.03	0.5	6.5	0.82	752	0.46	0.11
S475409		0.15	38.2	4.33	7.32	0.16	0.08	<0.01	0.051	0.03	0.4	24.6	1.61	709	0.07	0.14
S475410		0.09	41.7	1.87	4.27	0.07	0.06	<0.01	0.008	0.02	0.4	27.5	0.73	309	0.11	0.05
S475411		0.50	160.5	5.07	5.87	0.07	0.06	<0.01	0.018	0.04	0.5	26.5	0.98	422	0.25	0.19
S475412		0.21	117.0	1.62	6.30	0.06	0.18	<0.01	0.007	0.03	1.5	3.7	0.29	218	0.43	0.40
S475414		0.12	228	2.87	7.34	0.07	0.10	<0.01	0.011	0.05	0.7	5.5	0.39	383	0.18	0.40
S475415		0.21	51.6	2.32	4.48	0.07	0.13	<0.01	0.013	0.08	0.9	13.6	0.54	445	0.14	0.10
S475417		0.49	252	2.50	2.90	<0.05	0.02	<0.01	0.005	0.07	0.3	12.7	0.45	401	0.13	0.10
S475421		<0.05	467	10.70	2.44	0.12	<0.02	0.01	0.009	0.01	0.2	0.3	0.16	327	2.34	0.02
S475423		0.28	15.8	1.22	4.87	<0.05	0.04	<0.01	0.006	0.06	5.5	8.1	0.41	194	0.09	0.05
S475424		0.15	9.8	1.96	7.88	0.08	0.11	<0.01	0.010	0.05	31.2	14.5	0.89	327	0.23	0.03
S475425		0.06	1.7	2.83	13.35	0.10	0.34	<0.01	0.023	0.07	26.8	32.7	1.74	479	1.38	0.05
S475426		0.19	2.5	3.19	16.10	0.07	0.16	<0.01	0.017	0.05	23.5	35.9	1.95	622	0.09	0.04
S475427		1.64	39.1	4.79	9.77	0.14	0.17	<0.01	0.020	0.30	26.4	52.1	1.98	703	0.13	0.05
S475428		0.33	4.7	3.16	14.80	0.12	0.52	<0.01	0.025	0.04	23.6	18.9	1.71	670	0.12	0.05
S475429		0.09	3.9	4.30	15.30	0.25	0.31	<0.01	0.012	0.04	39.4	36.5	1.95	739	0.28	0.06



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Project: Hemlo

CERTIFICATE OF ANALYSIS TM16181952

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm
S475403		<0.05	6.9	170	0.6	1.9	<0.001	0.01	<0.05	5.9	0.3	<0.2	41.4	<0.01	0.04	<0.2
S475404		<0.05	11.0	180	0.7	0.5	0.001	0.14	0.05	7.0	0.7	<0.2	43.9	<0.01	0.08	<0.2
S475405		0.08	17.0	160	0.8	1.4	0.001	0.15	0.09	8.0	2.1	0.3	6.2	<0.01	0.25	<0.2
S475406		<0.05	16.2	140	0.2	0.8	0.001	0.52	0.06	9.4	1.1	0.2	18.2	<0.01	0.07	<0.2
S475407		0.06	10.9	150	0.4	0.7	0.004	0.16	0.06	6.4	2.2	0.3	2.3	<0.01	0.21	<0.2
S475408		0.09	8.1	150	0.5	0.8	0.001	0.07	0.07	7.1	1.1	0.2	3.3	<0.01	0.16	<0.2
S475409		0.07	16.4	160	0.5	0.4	<0.001	0.07	0.06	10.0	0.6	0.5	3.5	<0.01	0.05	<0.2
S475410		0.05	12.1	160	<0.2	2.3	<0.001	0.01	<0.05	4.0	0.2	<0.2	4.9	<0.01	0.07	<0.2
S475411		0.10	10.0	250	1.0	3.1	<0.001	0.07	0.06	7.0	1.3	<0.2	20.7	<0.01	0.12	<0.2
S475412		0.28	62.1	390	0.6	1.4	0.001	0.33	0.07	4.7	1.2	<0.2	58.9	0.01	0.06	1.0
S475414		0.19	81.1	420	0.4	1.3	0.001	0.53	0.09	7.4	1.3	<0.2	46.2	<0.01	0.20	<0.2
S475415		0.11	38.2	370	1.3	3.9	0.001	0.15	0.05	8.0	0.7	<0.2	11.0	<0.01	0.19	<0.2
S475417		<0.05	62.1	180	0.4	5.2	0.001	0.79	0.06	4.6	0.9	<0.2	18.5	<0.01	0.21	<0.2
S475421		0.07	2.3	160	0.8	0.2	0.003	0.61	0.12	0.9	6.8	<0.2	0.9	<0.01	1.03	<0.2
S475423		0.14	13.1	240	9.5	2.7	<0.001	0.11	<0.05	2.2	0.2	<0.2	9.7	<0.01	0.06	0.4
S475424		<0.05	7.7	860	2.3	1.5	<0.001	0.28	<0.05	2.2	0.6	0.2	11.8	<0.01	0.03	7.0
S475425		0.16	12.9	1350	15.0	1.6	<0.001	0.31	<0.05	5.8	0.5	0.5	12.4	<0.01	0.02	9.8
S475426		<0.05	9.1	1120	1.4	1.3	<0.001	0.01	<0.05	3.4	0.2	0.4	10.0	<0.01	0.01	5.7
S475427		0.12	13.0	1350	4.6	17.2	<0.001	0.52	0.08	6.1	0.7	0.4	39.2	<0.01	0.08	3.3
S475428		0.21	15.2	970	2.7	1.5	<0.001	0.07	<0.05	7.9	0.5	0.6	65.0	<0.01	<0.01	5.2
S475429		0.40	15.2	1900	4.9	0.9	<0.001	0.16	<0.05	3.7	0.9	0.7	313	0.01	0.02	4.5



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CERTIFICATE OF ANALYSIS TM16181952

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
S475403		0.060	<0.02	<0.05	33	0.11	1.72	20	1.0
S475404		0.054	<0.02	<0.05	40	0.13	2.01	38	1.1
S475405		0.088	<0.02	<0.05	98	0.53	2.52	115	1.9
S475406		0.058	<0.02	<0.05	58	0.11	3.03	51	2.7
S475407		0.066	<0.02	<0.05	82	0.67	2.08	49	1.4
S475408		0.057	<0.02	<0.05	43	0.23	2.27	42	1.1
S475409		0.119	<0.02	<0.05	70	0.45	3.96	46	3.0
S475410		0.109	<0.02	<0.05	33	0.50	2.22	18	2.2
S475411		0.087	0.03	0.06	47	0.25	2.12	29	1.8
S475412		0.221	<0.02	0.19	36	0.27	5.75	8	6.0
S475414		0.216	<0.02	<0.05	54	0.78	5.70	17	2.0
S475415		0.287	0.03	<0.05	78	1.16	6.33	22	3.2
S475417		0.042	0.06	<0.05	25	0.40	1.71	12	0.6
S475421		0.017	<0.02	<0.05	18	0.77	0.96	21	<0.5
S475423		0.086	0.02	0.08	21	1.10	1.94	72	1.5
S475424		<0.005	0.02	0.86	41	0.06	4.72	33	3.3
S475425		0.101	0.02	2.12	67	0.32	5.66	172	8.9
S475426		0.005	<0.02	0.42	89	0.09	5.41	61	7.6
S475427		0.318	0.12	0.53	110	0.53	10.30	83	8.1
S475428		0.148	0.02	1.75	65	0.30	9.20	57	13.4
S475429		0.221	<0.02	0.74	58	0.60	12.05	82	6.6



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CERTIFICATE OF ANALYSIS TM16181952

	CERTIFICATE COMMENTS
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	ANALYTICAL COMMENTS								
Applies to Method:	Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g). ME-MS41								
	LABORATORY ADDRESSES								
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. Au-AA23 ME-MS41								
Applies to Method:	Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada. <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">CRU-31</td> <td style="width: 33%;">CRU-QC</td> <td style="width: 33%;">LOG-22</td> <td style="width: 15%;"></td> </tr> <tr> <td>PUL-QC</td> <td>SPL-21</td> <td>WEI-21</td> <td style="text-align: right;">PUL-31</td> </tr> </table>	CRU-31	CRU-QC	LOG-22		PUL-QC	SPL-21	WEI-21	PUL-31
CRU-31	CRU-QC	LOG-22							
PUL-QC	SPL-21	WEI-21	PUL-31						



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CERTIFICATE TM16181957

Project: Hemlo
 P.O. No.: BM005a
 This report is for 22 Rock samples submitted to our lab in Timmins, ON, Canada on 24–OCT–2016.
 The following have access to data associated with this certificate:

JOHN HARVEY GORDON MCKINNON	BRUCE MACKIE CANADIAN OREBODIES WEBTRIEVE	BRUCE MACLACHLAN
--------------------------------	--	------------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login – Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing – 70% <2mm
SPL-21	Split sample – riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	
ME-MS41	Ultra Trace Aqua Regia ICP-MS	
Au-AA23	Au 30g FA-AA finish	AAS

To: **CANADIAN OREBODIES INC.**
ATTN: BRUCE MACLACHLAN
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 
 Colin Ramshaw, Vancouver Laboratory Manager



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To: CANADIAN OREBODIES INC.
 301 - 141 ADELAIDE STREET WEST
 TORONTO ON M5H 3L5

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 Finalized Date: 7-NOV-2016
 Account: CANORE

Project: Hemlo

CERTIFICATE OF ANALYSIS TM16181957

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	ME-MS41 Ag ppm	ME-MS41 Al %	ME-MS41 As ppm	ME-MS41 Au ppm	ME-MS41 B ppm	ME-MS41 Ba ppm	ME-MS41 Be ppm	ME-MS41 Bi ppm	ME-MS41 Ca %	ME-MS41 Cd ppm	ME-MS41 Ce ppm	ME-MS41 Co ppm	ME-MS41 Cr ppm
S475344		0.77	<0.005	0.04	2.21	0.8	<0.2	<10	60	0.14	0.04	1.40	0.08	26.8	25.2	22
S475345		0.81	<0.005	0.03	2.28	0.4	<0.2	<10	60	0.14	0.03	1.44	0.07	27.8	22.1	17
S475346		1.09	<0.005	0.05	2.12	0.6	<0.2	<10	40	0.13	0.04	1.40	0.12	26.8	24.8	17
S475347		0.96	<0.005	0.05	2.03	0.3	<0.2	<10	30	0.12	0.04	1.60	0.09	25.8	22.9	18
S475348		0.48	<0.005	0.05	2.10	0.6	<0.2	<10	40	0.13	0.04	1.43	0.10	28.1	25.7	17
S475349		1.13	<0.005	0.05	2.11	0.8	<0.2	<10	40	0.20	0.05	1.36	0.10	37.7	26.0	13
S475350		0.99	<0.005	0.05	2.05	0.5	<0.2	<10	30	0.12	0.04	1.28	0.08	24.9	23.5	11
S475381		0.82	<0.005	0.05	2.12	0.5	<0.2	<10	30	0.13	0.04	1.37	0.10	25.3	24.6	15
S475382		0.59	<0.005	0.05	2.27	0.7	<0.2	<10	40	0.14	0.04	1.43	0.09	27.1	23.9	15
S475383		0.81	<0.005	0.07	2.05	0.4	<0.2	<10	40	0.11	0.04	1.36	0.06	18.30	24.8	10
S475384		1.13	<0.005	0.06	1.93	0.7	<0.2	<10	40	0.13	0.04	1.23	0.10	26.0	25.3	7
S475385		1.57	<0.005	0.05	1.57	0.4	<0.2	<10	60	0.42	0.03	1.27	0.06	50.2	16.7	28
S475386		1.89	<0.005	0.04	2.07	0.8	<0.2	<10	40	0.18	0.04	1.45	0.09	35.1	26.6	17
S475387		0.99	0.506	0.22	0.99	62.6	0.4	<10	30	0.08	0.09	0.13	0.01	5.40	2.2	47
S475390		0.70	<0.005	0.01	0.41	0.7	<0.2	<10	10	0.07	0.05	0.04	0.01	4.36	2.4	13
S475391		0.69	<0.005	0.01	0.44	1.0	<0.2	<10	20	0.07	0.02	0.07	0.01	4.04	3.0	16
S475392		0.59	<0.005	0.01	0.50	0.6	<0.2	<10	20	0.07	0.03	0.06	0.01	3.40	3.0	16
S475396		0.83	0.047	0.20	0.57	19.4	<0.2	<10	20	0.10	0.13	0.21	0.04	12.10	3.0	19
S475398		0.46	<0.005	<0.01	0.31	0.5	<0.2	<10	10	0.06	0.01	0.03	0.01	1.43	1.2	13
S475399		0.81	<0.005	0.01	0.29	0.6	<0.2	<10	10	0.06	0.02	0.03	0.01	2.19	1.5	13
S475400		0.81	0.005	0.40	2.07	1.0	<0.2	<10	10	0.07	0.25	1.62	0.08	1.33	9.2	91
S475401		1.18	<0.005	0.14	1.44	2.6	<0.2	<10	10	0.05	0.05	1.87	0.08	1.58	9.0	39



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Project: Hemlo

CERTIFICATE OF ANALYSIS TM16181957

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
S475344		2.00	155.5	6.51	13.05	0.10	0.67	<0.01	0.029	0.19	12.1	7.8	0.67	378	0.54	0.24
S475345		1.92	116.5	6.17	11.70	0.10	0.52	<0.01	0.026	0.17	12.8	7.6	0.63	390	0.54	0.26
S475346		1.60	167.5	6.09	10.25	0.11	0.59	<0.01	0.029	0.14	12.3	9.3	0.70	362	1.03	0.23
S475347		1.50	176.5	5.81	9.15	0.10	0.52	<0.01	0.032	0.18	11.6	8.6	0.68	363	0.58	0.27
S475348		2.12	159.0	6.20	10.80	0.12	0.67	<0.01	0.028	0.19	12.6	7.5	0.61	362	0.62	0.25
S475349		2.43	140.0	7.02	12.35	0.16	0.42	<0.01	0.037	0.21	17.4	8.8	0.68	474	0.80	0.19
S475350		1.29	163.0	5.55	9.91	0.11	0.55	<0.01	0.023	0.17	11.2	8.0	0.58	279	0.56	0.25
S475381		1.21	167.0	6.04	10.50	0.10	0.55	<0.01	0.027	0.13	11.4	9.1	0.65	337	0.56	0.26
S475382		1.93	151.0	5.83	11.30	0.12	0.54	<0.01	0.027	0.17	12.3	8.2	0.61	319	0.63	0.27
S475383		1.48	213	5.88	9.76	0.08	0.49	<0.01	0.024	0.16	8.3	9.3	0.48	270	0.42	0.28
S475384		2.23	173.5	6.30	11.10	0.12	0.66	<0.01	0.027	0.20	11.7	10.5	0.56	360	0.65	0.22
S475385		0.97	66.7	4.29	10.80	0.14	0.94	<0.01	0.014	0.11	23.8	18.5	0.83	358	0.52	0.08
S475386		2.30	137.5	6.78	11.35	0.15	0.65	<0.01	0.026	0.22	16.0	10.8	0.72	421	0.79	0.21
S475387		1.08	8.8	1.66	7.00	<0.05	0.08	<0.01	0.012	0.48	2.2	15.4	0.77	167	0.87	0.07
S475390		0.17	4.4	0.99	3.24	<0.05	0.04	<0.01	0.006	0.05	1.7	10.5	0.29	153	0.28	0.04
S475391		0.14	3.3	1.08	3.19	<0.05	0.03	<0.01	<0.005	0.08	1.7	9.9	0.28	181	0.33	0.05
S475392		0.15	4.9	1.10	3.67	<0.05	0.04	<0.01	0.005	0.07	1.6	11.4	0.33	186	0.24	0.05
S475396		1.22	12.4	1.49	4.07	<0.05	0.09	<0.01	0.007	0.14	6.2	7.7	0.33	199	0.54	0.09
S475398		0.52	1.6	0.82	2.37	<0.05	<0.02	<0.01	<0.005	0.07	0.8	5.8	0.18	101	0.27	0.02
S475399		0.29	2.1	0.71	1.98	<0.05	0.02	<0.01	<0.005	0.06	1.2	7.6	0.19	104	0.27	0.02
S475400		0.17	464	6.48	5.97	0.19	0.12	<0.01	0.023	0.04	0.5	18.3	1.23	817	1.31	0.13
S475401		0.21	241	3.18	3.55	0.08	0.04	<0.01	0.019	0.04	0.6	4.8	0.67	596	0.39	0.14



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm
S475344		0.33	24.4	1000	2.9	16.9	0.002	0.13	<0.05	4.1	1.1	0.7	28.1	<0.01	0.02	2.1
S475345		0.24	17.4	1130	2.8	15.7	0.002	0.11	<0.05	3.0	1.2	0.6	30.4	<0.01	0.01	2.0
S475346		0.21	27.1	960	4.8	21.3	0.002	0.15	<0.05	3.7	0.9	0.6	30.4	<0.01	0.02	2.3
S475347		0.20	26.0	880	2.7	12.8	0.002	0.13	<0.05	4.4	0.9	0.7	32.7	<0.01	0.01	2.2
S475348		0.25	23.7	920	3.8	24.7	0.003	0.12	<0.05	3.6	1.1	0.7	31.9	<0.01	0.01	2.3
S475349		0.20	18.4	1330	4.5	22.8	0.002	0.15	<0.05	4.3	1.4	0.9	29.3	0.01	0.01	3.0
S475350		0.23	25.9	810	2.6	11.9	0.002	0.13	<0.05	3.1	1.0	0.7	37.8	<0.01	0.02	2.1
S475381		0.22	26.9	830	2.8	8.9	0.002	0.13	<0.05	4.1	1.0	0.7	33.6	<0.01	0.01	2.2
S475382		0.30	24.3	920	2.7	31.1	0.002	0.14	<0.05	3.3	1.2	0.7	34.8	<0.01	0.01	2.3
S475383		0.26	28.5	600	2.6	13.2	0.003	0.12	<0.05	3.5	0.7	0.6	34.4	<0.01	0.01	1.6
S475384		0.23	22.0	940	3.5	27.5	0.002	0.14	<0.05	3.7	1.2	0.8	27.9	<0.01	0.02	2.4
S475385		0.32	12.7	1050	7.4	10.8	0.001	0.05	<0.05	2.9	0.9	0.9	36.7	<0.01	0.01	4.1
S475386		0.25	21.7	1200	3.3	18.4	0.003	0.16	<0.05	3.8	1.4	0.9	30.0	<0.01	0.02	2.9
S475387		0.07	11.9	200	2.3	26.1	<0.001	0.03	<0.05	5.0	0.5	0.2	7.3	<0.01	0.04	0.3
S475390		0.19	6.9	110	1.5	3.2	<0.001	0.01	<0.05	0.9	<0.2	0.2	3.7	<0.01	0.01	0.4
S475391		0.11	6.5	150	0.6	3.5	<0.001	0.01	<0.05	1.4	<0.2	<0.2	5.1	<0.01	0.01	0.2
S475392		0.13	6.7	150	0.9	3.1	<0.001	0.01	<0.05	1.4	<0.2	<0.2	5.3	<0.01	0.01	0.2
S475396		0.43	9.9	280	4.9	14.4	<0.001	0.03	0.07	1.3	0.2	0.5	12.8	<0.01	0.09	0.7
S475398		<0.05	3.5	80	0.5	5.6	<0.001	0.01	<0.05	0.4	<0.2	<0.2	3.8	<0.01	0.01	<0.2
S475399		<0.05	3.5	70	0.8	4.1	<0.001	0.01	<0.05	0.4	<0.2	<0.2	3.9	<0.01	0.02	<0.2
S475400		0.06	15.7	170	1.6	0.8	0.001	0.33	0.09	9.7	3.7	0.2	4.5	<0.01	0.29	<0.2
S475401		<0.05	12.9	120	0.5	1.8	0.001	0.18	0.09	5.4	1.0	0.2	19.3	<0.01	0.11	<0.2



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Sample Description	Method Analyte Units LOR	ME-MS41 Ti %	ME-MS41 Tl ppm	ME-MS41 U ppm	ME-MS41 V ppm	ME-MS41 W ppm	ME-MS41 Y ppm	ME-MS41 Zn ppm	ME-MS41 Zr ppm
S475344		0.433	0.11	0.40	291	0.09	21.3	78	34.0
S475345		0.355	0.10	0.35	208	0.09	21.3	80	28.8
S475346		0.318	0.09	0.43	242	0.08	20.6	83	29.8
S475347		0.253	0.11	0.41	256	0.07	20.3	53	26.1
S475348		0.368	0.12	0.44	271	0.08	21.2	72	32.7
S475349		0.320	0.12	0.60	192	0.11	29.4	112	23.7
S475350		0.326	0.09	0.39	252	0.07	18.85	63	26.7
S475381		0.313	0.07	0.42	276	0.07	19.90	60	28.2
S475382		0.341	0.12	0.44	234	0.08	21.0	76	28.7
S475383		0.416	0.10	0.27	390	<0.05	14.05	42	20.1
S475384		0.401	0.13	0.43	293	0.07	20.6	71	30.0
S475385		0.325	0.09	0.66	121	0.14	20.3	67	42.4
S475386		0.362	0.14	0.57	206	0.10	26.7	99	33.5
S475387		0.114	0.15	0.07	39	7.41	1.31	36	2.7
S475390		0.021	0.02	0.11	8	0.09	0.68	13	1.4
S475391		0.043	0.02	0.05	12	0.08	1.05	15	1.0
S475392		0.049	0.02	0.09	14	<0.05	0.96	11	1.1
S475396		0.104	0.07	0.50	21	11.60	2.33	33	2.1
S475398		<0.005	0.02	<0.05	6	0.05	0.22	8	0.6
S475399		<0.005	0.02	<0.05	5	0.05	0.28	9	1.0
S475400		0.091	0.02	<0.05	62	0.93	3.77	34	4.2
S475401		0.036	0.02	<0.05	29	4.92	2.45	23	1.7



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CERTIFICATE OF ANALYSIS TM16181957

	CERTIFICATE COMMENTS
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	ANALYTICAL COMMENTS								
Applies to Method:	Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g). ME-MS41								
LABORATORY ADDRESSES									
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. Au-AA23 ME-MS41								
Applies to Method:	Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada. <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">CRU-31</td> <td style="width: 33%;">CRU-QC</td> <td style="width: 33%;">LOG-22</td> <td style="width: 15%;"></td> </tr> <tr> <td>PUL-QC</td> <td>SPL-21</td> <td>WEI-21</td> <td style="text-align: right;">PUL-31</td> </tr> </table>	CRU-31	CRU-QC	LOG-22		PUL-QC	SPL-21	WEI-21	PUL-31
CRU-31	CRU-QC	LOG-22							
PUL-QC	SPL-21	WEI-21	PUL-31						



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Project: Hemlo
 P.O. No.: BM004
 This report is for 13 Rock samples submitted to our lab in Timmins, ON, Canada on 24-OCT-2016.
 The following have access to data associated with this certificate:

JOHN HARVEY GORDON MCKINNON	BRUCE MACKIE CANADIAN OREBODIES WEBTRIEVE	BRUCE MACLACHLAN
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SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	
ME-MS41	Ultra Trace Aqua Regia ICP-MS	
ME-XRF26	Whole Rock By Fusion/XRF	XRF
OA-GRA05x	LOI for XRF	WST-SEQ
Au-AA23	Au 30g FA-AA finish	AAS

To: CANADIAN OREBODIES INC.
 ATTN: BRUCE MACLACHLAN
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 TORONTO ON M5H 3L5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 
 Colin Ramshaw, Vancouver Laboratory Manager



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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	ME-MS41 Ag ppm	ME-MS41 Al %	ME-MS41 As ppm	ME-MS41 Au ppm	ME-MS41 B ppm	ME-MS41 Ba ppm	ME-MS41 Be ppm	ME-MS41 Bi ppm	ME-MS41 Ca %	ME-MS41 Cd ppm	ME-MS41 Ce ppm	ME-MS41 Co ppm	ME-MS41 Cr ppm
		0.02	0.005	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
S475388		0.56	<0.005	0.07	1.39	5.1	<0.2	<10	50	0.10	0.04	0.60	0.03	9.51	10.8	43
S475389		1.19	<0.005	0.04	1.09	0.8	<0.2	<10	50	0.07	0.04	0.35	0.02	9.72	8.3	39
S475393		0.72	<0.005	0.10	0.81	1.1	<0.2	<10	20	0.14	0.02	0.41	0.18	11.25	8.0	26
S475394		0.66	<0.005	0.01	1.09	1.3	<0.2	<10	20	0.21	0.04	0.30	0.03	14.55	7.8	21
S475395		0.49	<0.005	0.10	0.78	4.1	<0.2	40	20	0.10	0.02	0.87	0.07	12.80	6.0	16
S475397		0.45	0.016	0.04	0.36	6.6	<0.2	<10	10	0.30	0.03	0.23	0.03	12.85	1.0	9
S475402		0.56	<0.005	0.05	1.40	0.6	<0.2	<10	20	0.13	0.04	2.15	0.05	3.59	8.1	32
S475413		0.64	<0.005	0.02	3.83	1.9	<0.2	<10	10	0.13	0.04	3.19	0.02	2.45	11.1	26
S475416		0.49	<0.005	0.01	0.84	1.1	<0.2	<10	40	0.32	0.02	0.60	0.03	53.2	4.3	28
S475418		0.69	<0.005	0.03	4.53	0.9	<0.2	<10	10	0.11	0.03	3.24	0.01	1.10	11.7	24
S475419		0.98	0.006	0.06	5.05	0.4	<0.2	<10	10	0.10	0.08	3.74	0.02	1.54	3.0	22
S475420		0.57	<0.005	0.03	1.14	0.5	<0.2	<10	20	0.08	0.03	1.03	0.01	2.17	10.9	34
S475430		0.45	<0.005	0.04	0.79	0.8	<0.2	<10	20	0.23	0.07	0.48	0.01	9.37	5.7	21



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To: CANADIAN OREBODIES INC.
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Project: Hemlo

CERTIFICATE OF ANALYSIS TM16181959

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %
S475388		1.21	9.9	2.03	8.09	0.05	0.07	<0.01	0.009	0.63	4.5	21.9	0.97	352	0.26	0.09
S475389		0.92	9.8	1.64	5.99	0.06	0.09	<0.01	0.009	0.65	4.8	17.6	0.72	199	0.17	0.11
S475393		0.50	11.5	1.54	5.42	<0.05	0.06	<0.01	0.012	0.14	5.8	20.3	0.68	308	0.13	0.07
S475394		0.15	7.2	1.89	7.64	<0.05	0.06	<0.01	0.015	0.05	6.5	31.0	0.83	330	0.20	0.07
S475395		0.56	10.7	1.29	4.37	0.07	0.09	<0.01	0.005	0.17	6.4	10.8	0.42	206	0.36	0.06
S475397		0.35	1.9	0.53	3.21	<0.05	0.72	<0.01	<0.005	0.08	6.2	3.5	0.09	120	0.14	0.05
S475402		0.17	50.1	0.50	4.64	0.08	0.07	<0.01	0.005	0.04	2.5	11.2	0.19	172	0.16	0.05
S475413		0.34	50.0	0.76	7.68	0.07	0.13	<0.01	0.005	0.01	0.9	3.5	0.18	184	0.18	0.44
S475416		0.18	3.3	1.32	5.72	0.08	0.54	<0.01	<0.005	0.09	33.2	20.8	0.45	215	0.33	0.04
S475418		0.35	62.7	0.85	6.43	0.05	0.02	<0.01	<0.005	0.02	0.6	4.4	0.22	150	1.36	0.40
S475419		0.29	45.5	0.46	7.27	0.05	0.04	<0.01	<0.005	0.01	0.7	1.7	0.17	153	0.12	0.39
S475420		0.27	57.9	0.75	3.06	<0.05	0.06	<0.01	0.005	0.06	0.9	13.3	0.27	121	0.48	0.16
S475430		0.54	3.5	1.39	6.49	<0.05	0.13	<0.01	0.007	0.09	4.2	21.3	0.61	218	0.50	0.03



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CERTIFICATE OF ANALYSIS TM16181959

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm
S475388		<0.05	57.5	330	1.4	26.4	<0.001	0.03	<0.05	3.2	<0.2	0.3	21.2	<0.01	0.02	0.4
S475389		0.05	48.0	280	0.5	24.5	<0.001	0.01	<0.05	2.5	<0.2	0.3	20.6	<0.01	0.01	0.5
S475393		0.10	24.4	290	6.4	6.1	<0.001	0.04	<0.05	4.2	0.2	0.3	11.9	<0.01	0.01	0.5
S475394		0.13	20.8	260	1.3	2.2	<0.001	0.01	<0.05	4.0	<0.2	0.4	10.1	<0.01	0.01	0.7
S475395		0.15	13.7	280	7.4	10.0	0.001	0.05	<0.05	2.1	<0.2	0.2	13.9	<0.01	0.01	0.6
S475397		0.27	3.1	80	11.0	3.2	<0.001	0.02	0.07	0.9	<0.2	<0.2	8.8	<0.01	0.01	1.8
S475402		0.10	13.8	160	0.6	3.6	<0.001	0.01	0.06	2.4	0.2	<0.2	45.8	<0.01	0.06	<0.2
S475413		0.17	34.2	430	0.5	0.6	0.002	0.12	0.08	3.2	0.5	<0.2	57.8	0.01	0.03	<0.2
S475416		0.23	8.6	230	6.0	3.4	<0.001	0.01	<0.05	2.3	<0.2	<0.2	12.9	<0.01	<0.01	11.6
S475418		<0.05	38.1	190	1.1	1.6	0.001	0.14	0.06	2.8	0.4	<0.2	73.5	<0.01	0.06	<0.2
S475419		0.06	6.2	180	1.0	1.3	0.001	0.01	0.05	2.8	0.2	<0.2	79.5	<0.01	0.05	<0.2
S475420		0.14	46.0	450	0.4	4.8	0.001	0.04	0.05	2.9	0.3	<0.2	18.2	<0.01	0.05	<0.2
S475430		<0.05	25.2	230	0.7	3.5	<0.001	0.03	<0.05	1.9	<0.2	0.2	8.4	<0.01	0.01	0.7



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CERTIFICATE OF ANALYSIS TM16181959

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-XRF26	ME-XRF26	ME-XRF26	ME-XRF26	ME-XRF26	ME-XRF26	ME-XRF26
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	Al2O3 %	BaO %	CaO %	Cr2O3 %	Fe2O3 %	K2O %	MgO %
S475388		0.122	0.15	0.09	32	0.40	2.04	51	2.2	16.72	0.06	3.47	0.01	3.33	1.88	2.14
S475389		0.131	0.13	0.10	32	0.16	2.08	44	2.7	15.66	0.03	3.82	0.01	3.05	1.32	1.93
S475393		0.128	0.04	0.08	30	1.63	2.61	67	1.8	16.48	0.06	2.79	<0.01	2.58	1.34	1.45
S475394		0.122	<0.02	0.08	29	0.14	3.14	44	2.1	16.09	0.06	1.08	<0.01	2.85	1.82	1.54
S475395		0.109	0.07	0.10	19	22.5	2.28	51	2.4	15.87	0.04	4.17	<0.01	2.69	2.24	1.18
S475397		0.029	0.02	0.67	7	0.30	1.87	19	19.6	14.26	0.07	0.80	<0.01	0.85	4.56	0.21
S475402		0.103	0.03	<0.05	22	1.53	4.15	14	1.9	15.04	0.01	15.55	0.05	6.77	0.35	5.62
S475413		0.218	<0.02	<0.05	26	0.44	6.28	6	2.6	15.06	<0.01	14.05	0.05	11.16	0.12	5.47
S475416		0.099	0.03	0.91	27	0.25	2.64	17	17.9	13.65	0.10	1.15	<0.01	2.02	4.98	0.87
S475418		0.033	0.02	<0.05	14	0.99	1.93	6	<0.5	14.30	0.01	12.20	0.07	12.51	0.22	8.01
S475419		0.086	<0.02	<0.05	14	0.25	3.82	4	0.9	14.77	0.01	12.95	0.06	10.80	0.18	7.13
S475420		0.153	0.04	<0.05	28	0.43	4.10	10	1.3	15.11	0.02	9.38	0.06	9.08	0.78	7.18
S475430		<0.005	0.02	0.45	28	<0.05	2.40	14	7.2	12.26	0.06	0.70	<0.01	2.18	5.41	1.13



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Sample Description	Method Analyte Units LOR	ME-XRF26	ME-XRF26	ME-XRF26	ME-XRF26	ME-XRF26	ME-XRF26	ME-XRF26	ME-XRF26	OA-GRA05x
		MnO %	Na2O %	P2O5 %	SO3 %	SiO2 %	SrO %	TiO2 %	Total %	LOI 1000 %
		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
S475388		0.06	4.89	0.07	0.06	65.44	0.06	0.26	99.25	0.76
S475389		0.04	4.67	0.06	0.03	68.88	0.06	0.30	100.25	0.37
S475393		0.05	5.93	0.07	0.09	67.72	0.04	0.27	99.64	0.73
S475394		0.04	6.39	0.06	0.03	68.55	0.03	0.26	99.77	0.94
S475395		0.05	4.87	0.06	0.12	68.07	0.03	0.28	100.50	0.78
S475397		0.02	4.46	0.02	0.05	74.42	0.03	0.08	100.10	0.26
S475402		0.23	2.88	0.04	0.01	51.29	0.01	0.54	100.05	1.57
S475413		0.31	1.38	0.11	0.29	49.46	0.01	1.42	99.54	0.51
S475416		0.03	3.52	0.05	0.02	72.33	0.03	0.23	99.74	0.73
S475418		0.34	1.26	0.04	0.33	49.16	0.01	0.60	99.85	0.65
S475419		0.39	1.15	0.04	0.02	50.98	0.01	0.60	99.57	0.34
S475420		0.20	2.90	0.10	0.08	52.41	0.02	1.42	99.73	0.84
S475430		0.03	2.65	0.05	0.08	73.97	0.01	0.25	100.00	1.20

***** See Appendix Page for comments regarding this certificate *****



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Project: Hemlo

CERTIFICATE OF ANALYSIS TM16181959

	CERTIFICATE COMMENTS								
	ANALYTICAL COMMENTS								
Applies to Method:	Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g). ME-MS41								
	LABORATORY ADDRESSES								
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Au-AA23</td> <td style="width: 33%;">ME-MS41</td> <td style="width: 33%;">ME-XRF26</td> <td style="width: 15%;">OA-GRA05x</td> </tr> </table>	Au-AA23	ME-MS41	ME-XRF26	OA-GRA05x				
Au-AA23	ME-MS41	ME-XRF26	OA-GRA05x						
Applies to Method:	Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada. <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">CRU-31</td> <td style="width: 33%;">CRU-QC</td> <td style="width: 33%;">LOG-22</td> <td style="width: 15%;">PUL-31</td> </tr> <tr> <td>PUL-QC</td> <td>SPL-21</td> <td>WEI-21</td> <td></td> </tr> </table>	CRU-31	CRU-QC	LOG-22	PUL-31	PUL-QC	SPL-21	WEI-21	
CRU-31	CRU-QC	LOG-22	PUL-31						
PUL-QC	SPL-21	WEI-21							



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CERTIFICATE TM16222443

Project: Hemlo
 P.O. No.: BM005a
 This report is for 13 Rock samples submitted to our lab in Timmins, ON, Canada on 19-DEC-2016.
 The following have access to data associated with this certificate:

JOHN HARVEY GORDON MCKINNON	BRUCE MACKIE CANADIAN OREBODIES WEBTRIEVE	BRUCE MACLACHLAN
--------------------------------	--	------------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
PGM-ICP23	Pt, Pd, Au 30g FA ICP	ICP-AES

To: **CANADIAN OREBODIES INC.**
ATTN: BRUCE MACLACHLAN
301 – 141 ADELAIDE STREET WEST
TORONTO ON M5H 3L5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: Hemlo

CERTIFICATE OF ANALYSIS TM16222443

Sample Description	Method Analyte Units LOR	PGM-ICP23	PGM-ICP23	PGM-ICP23
		Au ppm 0.001	Pt ppm 0.005	Pd ppm 0.001
S475344		<0.001	<0.005	0.002
S475345		<0.001	<0.005	0.002
S475346		0.001	<0.005	0.003
S475347		0.001	<0.005	0.003
S475348		0.001	<0.005	0.002
S475349		<0.001	<0.005	0.001
S475350		0.001	<0.005	0.002
S475381		<0.001	<0.005	0.002
S475382		0.001	<0.005	0.002
S475383		<0.001	<0.005	0.002
S475384		<0.001	<0.005	0.002
S475385		<0.001	<0.005	<0.001
S475386		<0.001	<0.005	0.001



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CERTIFICATE OF ANALYSIS TM16222443

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
FND-02 PGM-ICP23



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QC CERTIFICATE TB16179594

Project: Hemlo
 P.O. No.: BM003
 This report is for 73 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 20-OCT-2016.
 The following have access to data associated with this certificate:

JOHN HARVEY GORDON MCKINNON	BRUCE MACKIE CANADIAN OREBODIES WEBTRIEVE	BRUCE MACLACHLAN
--------------------------------	--	------------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	
ME-MS41	Ultra Trace Aqua Regia ICP-MS	
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
Au-AA23	Au 30g FA-AA finish	AAS

To: **CANADIAN OREBODIES INC.**
ATTN: BRUCE MACLACHLAN
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 
 Colin Ramshaw, Vancouver Laboratory Manager



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QC CERTIFICATE OF ANALYSIS TB16179594

Sample Description	Method Analyte Units LOR	Au-AA23 Au ppm 0.005	ME-MS41 Ag ppm 0.01	ME-MS41 Al % 0.01	ME-MS41 As ppm 0.1	ME-MS41 Au ppm 0.2	ME-MS41 B ppm 10	ME-MS41 Ba ppm 10	ME-MS41 Be ppm 0.05	ME-MS41 Bi ppm 0.01	ME-MS41 Ca % 0.01	ME-MS41 Cd ppm 0.01	ME-MS41 Ce ppm 0.02	ME-MS41 Co ppm 0.1	ME-MS41 Cr ppm 1	ME-MS41 Cs ppm 0.05
STANDARDS																
BP-13		0.349														
BP-13		0.354														
Target Range - Lower Bound		0.332														
Upper Bound		0.384														
G909-4		7.29														
G909-4		7.37														
Target Range - Lower Bound		7.06														
Upper Bound		7.98														
G909-4																
G909-4																
G909-4																
Target Range - Lower Bound																
Upper Bound																
MRGeo08		4.28	2.60	31.9	<0.2	<10	440	0.90	0.67	1.05	2.19	75.6	18.1	92	10.35	
MRGeo08		4.16	2.60	31.7	<0.2	<10	430	0.89	0.65	1.07	2.02	73.5	18.1	89	10.50	
Target Range - Lower Bound		4.00	2.44	29.6	<0.2	<10	370	0.67	0.60	1.00	2.01	66.2	17.0	81	9.40	
Upper Bound		4.92	3.00	36.4	0.4	20	530	0.95	0.76	1.24	2.47	81.0	21.0	102	11.60	
OGGeo08		18.60	2.24	121.0	<0.2	<10	50	0.76	11.30	0.90	19.55	60.3	94.5	84	9.56	
Target Range - Lower Bound		18.15	2.05	107.0	<0.2	<10	60	0.61	9.44	0.82	16.75	56.7	87.2	75	8.68	
Upper Bound		22.2	2.53	131.0	0.4	30	110	0.89	11.55	1.02	20.5	69.3	107.0	93	10.70	
OREAS 503b		0.699														
OREAS 503b		0.700														
Target Range - Lower Bound		0.648														
Upper Bound		0.742														
OREAS 905		0.47	0.73	29.3	0.4	<10	230	0.80	5.17	0.30	0.33	74.6	12.5	16	1.02	
OREAS 905		0.50	0.88	33.1	0.4	<10	260	0.94	5.65	0.35	0.35	80.7	13.1	18	1.25	
Target Range - Lower Bound		0.45	0.73	28.4	<0.2	<10	200	0.78	5.16	0.29	0.30	72.0	12.4	15	1.14	
Upper Bound		0.58	0.91	35.0	0.8	20	300	1.08	6.32	0.38	0.38	88.0	15.4	20	1.50	
OREAS 920		0.08	2.29	6.3	<0.2	<10	70	0.71	0.57	0.30	0.06	69.0	13.6	42	1.88	
Target Range - Lower Bound		0.07	2.18	3.8	<0.2	<10	50	0.59	0.60	0.28	0.04	64.8	13.4	37	1.84	
Upper Bound		0.12	2.68	4.9	0.4	20	110	0.87	0.76	0.37	0.09	79.2	16.6	48	2.36	
OxJ111		2.18														
OxJ111		2.13														
Target Range - Lower Bound		2.03														
Upper Bound		2.30														
SQ48																
SQ48																



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QC CERTIFICATE OF ANALYSIS TB16179594

Sample Description	Method Analyte Units LOR	ME-MS41 Cu ppm	ME-MS41 Fe %	ME-MS41 Ga ppm	ME-MS41 Ge ppm	ME-MS41 Hf ppm	ME-MS41 Hg ppm	ME-MS41 In ppm	ME-MS41 K %	ME-MS41 La ppm	ME-MS41 Li ppm	ME-MS41 Mg %	ME-MS41 Mn ppm	ME-MS41 Mo ppm	ME-MS41 Na %	ME-MS41 Nb ppm
		0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05
STANDARDS																
BP-13																
BP-13																
Target Range - Lower Bound																
Upper Bound																
G909-4																
G909-4																
Target Range - Lower Bound																
Upper Bound																
G909-4																
G909-4																
G909-4																
Target Range - Lower Bound																
Upper Bound																
MRGeo08		632	3.51	10.05	0.14	0.78	0.06	0.147	1.23	37.6	35.8	1.13	423	14.05	0.33	0.89
MRGeo08		613	3.41	9.39	0.13	0.77	0.05	0.150	1.18	36.7	34.2	1.11	412	13.85	0.34	0.78
Target Range - Lower Bound		587	3.22	8.73	0.07	0.64	0.04	0.137	1.12	33.2	29.6	1.03	378	13.10	0.30	0.79
Upper Bound		675	3.96	10.80	0.29	0.83	0.10	0.179	1.40	41.0	36.4	1.29	473	16.10	0.39	1.09
OGGeo08		8680	5.08	8.55	0.17	0.76	0.42	1.415	1.05	28.5	30.2	0.97	404	911	0.30	1.05
Target Range - Lower Bound		7800	4.51	8.05	0.21	0.72	0.41	1.335	0.94	27.7	28.4	0.84	350	811	0.26	0.97
Upper Bound		8980	5.53	9.95	0.45	0.92	0.57	1.645	1.18	34.3	35.0	1.05	438	991	0.34	1.29
OREAS 503b																
OREAS 503b																
Target Range - Lower Bound																
Upper Bound																
OREAS 905		1475	3.19	5.99	0.08	1.08	0.01	0.527	0.28	37.1	3.8	0.14	326	2.69	0.09	0.31
OREAS 905		1650	3.48	6.26	0.08	1.26	0.02	0.582	0.35	40.4	4.7	0.16	366	2.74	0.10	0.40
Target Range - Lower Bound		1450	3.14	5.74	<0.05	1.08	<0.01	0.517	0.28	35.6	4.3	0.13	310	2.65	0.07	0.19
Upper Bound		1670	3.86	7.12	0.10	1.36	0.02	0.643	0.36	44.0	5.5	0.19	390	3.35	0.12	0.43
OREAS 920		107.5	3.38	6.54	0.09	0.54	0.01	0.028	0.39	34.7	21.1	1.02	506	0.34	0.02	0.37
Target Range - Lower Bound		102.0	3.26	6.12	<0.05	0.53	<0.01	0.019	0.39	33.3	19.0	0.98	472	0.29	<0.01	0.31
Upper Bound		118.0	4.00	7.60	0.10	0.69	0.02	0.043	0.50	41.1	23.4	1.22	588	0.53	0.02	0.55
OxJ111																
OxJ111																
Target Range - Lower Bound																
Upper Bound																
SQ48																
SQ48																



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QC CERTIFICATE OF ANALYSIS TB16179594

Sample Description	Method Analyte Units LOR	ME-MS41 Ni ppm	ME-MS41 P ppm	ME-MS41 Pb ppm	ME-MS41 Rb ppm	ME-MS41 Re ppm	ME-MS41 S %	ME-MS41 Sb ppm	ME-MS41 Sc ppm	ME-MS41 Se ppm	ME-MS41 Sn ppm	ME-MS41 Sr ppm	ME-MS41 Ta ppm	ME-MS41 Te ppm	ME-MS41 Th ppm	ME-MS41 Ti %
STANDARDS																
BP-13																
BP-13																
Target Range - Lower Bound																
Upper Bound																
G909-4																
G909-4																
Target Range - Lower Bound																
Upper Bound																
G909-4																
G909-4																
G909-4																
Target Range - Lower Bound																
Upper Bound																
MRGeo08		718	1030	1090	151.5	0.007	0.31	3.05	8.0	1.3	3.3	76.6	0.01	0.01	20.8	0.373
MRGeo08		696	1000	1055	146.5	0.008	0.30	2.99	7.7	1.7	3.2	80.9	0.01	0.02	20.6	0.372
Target Range - Lower Bound		622	900	959	132.0	0.006	0.27	2.80	6.7	0.9	2.8	72.1	<0.01	<0.01	19.1	0.338
Upper Bound		760	1130	1175	162.0	0.010	0.35	3.90	8.4	1.9	4.0	88.5	0.03	0.04	23.7	0.424
OGGeo08		9320	830	7480	122.5	1.320	2.77	19.75	6.5	11.4	12.3	62.5	0.01	0.15	16.1	0.310
Target Range - Lower Bound		7760	700	6520	109.5	1.295	2.51	17.70	6.0	9.7	12.0	59.6	<0.01	0.14	15.6	0.279
Upper Bound		9480	880	7970	134.5	1.585	3.09	24.1	7.6	12.3	15.1	73.2	0.03	0.20	19.6	0.353
OREAS 503b																
OREAS 503b																
Target Range - Lower Bound																
Upper Bound																
OREAS 905		8.1	230	15.8	17.9	0.001	0.07	0.91	1.6	2.5	1.1	11.3	0.01	0.06	8.0	0.018
OREAS 905		8.3	250	16.4	20.0	<0.001	0.08	1.04	1.7	2.8	1.3	12.6	<0.01	0.07	8.7	0.022
Target Range - Lower Bound		7.8		15.2	17.3	<0.001	0.04	0.90	1.6	1.8	0.8	10.9	<0.01	0.04	7.8	0.008
Upper Bound		10.0		19.0	21.3	0.002	0.09	1.34	2.2	2.8	1.7	13.7	0.02	0.09	10.0	0.030
OREAS 920		35.8	700	20.0	23.1	<0.001	0.04	0.56	2.6	0.8	0.9	15.6	<0.01	0.03	14.9	0.115
Target Range - Lower Bound		34.4		19.2	22.2	<0.001	<0.01	0.45	2.5	0.4	0.7	15.0	<0.01	<0.01	13.6	0.106
Upper Bound		42.4		23.9	27.4	0.002	0.05	0.77	3.3	1.3	1.7	18.8	0.02	0.02	17.0	0.140
OxJ111																
OxJ111																
Target Range - Lower Bound																
Upper Bound																
SQ48																
SQ48																



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Sample Description	Method Analyte Units LOR	ME-MS41 TI ppm 0.02	ME-MS41 U ppm 0.05	ME-MS41 V ppm 1	ME-MS41 W ppm 0.05	ME-MS41 Y ppm 0.05	ME-MS41 Zn ppm 2	ME-MS41 Zr ppm 0.5	Au-GRA22 Au ppm 0.05
STANDARDS									
BP-13									
BP-13									
Target Range - Lower Bound									
Upper Bound									
G909-4									
G909-4									
Target Range - Lower Bound									
Upper Bound									
G909-4								7.59	
G909-4								7.38	
G909-4								7.48	
Target Range - Lower Bound								7.02	
Upper Bound								8.02	
MRGeo08		0.75	5.91	101	2.58	18.70	795	21.6	
MRGeo08		0.75	5.35	98	2.78	19.05	775	22.5	
Target Range - Lower Bound		0.64	4.93	90	2.44	17.50	708	18.1	
Upper Bound		0.92	6.13	112	3.42	21.5	870	25.7	
OGGeo08		1.35	4.87	82	2.87	16.60	7270	22.2	
Target Range - Lower Bound		1.14	4.45	70	2.58	15.35	6500	19.5	
Upper Bound		1.58	5.55	88	3.60	18.85	7950	27.5	
OREAS 503b									
OREAS 503b									
Target Range - Lower Bound									
Upper Bound									
OREAS 905		0.09	2.20	5	0.50	6.50	61	39.2	
OREAS 905		0.10	2.34	6	0.57	7.25	69	47.9	
Target Range - Lower Bound		0.06	2.08	4	0.44	6.32	58	39.9	
Upper Bound		0.16	2.66	8	0.76	7.84	76	55.1	
OREAS 920		0.15	1.94	24	0.42	16.75	103	19.8	
Target Range - Lower Bound		0.07	1.89	23	<0.05	16.85	93	17.6	
Upper Bound		0.18	2.42	30	0.10	20.7	119	25.0	
OxJ111									
OxJ111									
Target Range - Lower Bound									
Upper Bound									
SQ48								30.9	
SQ48								30.4	



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QC CERTIFICATE OF ANALYSIS TB16179594

Sample Description	Method Analyte Units LOR	Au-AA23 Au ppm 0.005	ME-MS41 Ag ppm 0.01	ME-MS41 Al % 0.01	ME-MS41 As ppm 0.1	ME-MS41 Au ppm 0.2	ME-MS41 B ppm 10	ME-MS41 Ba ppm 10	ME-MS41 Be ppm 0.05	ME-MS41 Bi ppm 0.01	ME-MS41 Ca % 0.01	ME-MS41 Cd ppm 0.01	ME-MS41 Ce ppm 0.02	ME-MS41 Co ppm 0.1	ME-MS41 Cr ppm 1	ME-MS41 Cs ppm 0.05
STANDARDS																
SQ48																
Target Range - Lower Bound																
Upper Bound																
BLANKS																
BLANK		<0.005														
BLANK		<0.005														
BLANK		<0.005														
BLANK		<0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<0.01	<0.01	<0.1	<0.2	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05	
BLANK		<0.01	<0.01	<0.1	<0.2	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05	
BLANK		<0.01	<0.01	<0.1	<0.2	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05	
Target Range - Lower Bound		<0.01	<0.01	<0.1	<0.2	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05	
Upper Bound		0.02	0.02	0.2	0.4	20	20	0.10	0.02	0.02	0.02	0.04	0.2	2	0.10	
DUPLICATES																
ORIGINAL		0.106														
DUP		0.103														
Target Range - Lower Bound		0.094														
Upper Bound		0.115														
ORIGINAL		0.008														
DUP		0.008														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														



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QC CERTIFICATE OF ANALYSIS TB16179594

Sample Description	Method Analyte Units LOR	ME-MS41 Cu ppm	ME-MS41 Fe %	ME-MS41 Ga ppm	ME-MS41 Ge ppm	ME-MS41 Hf ppm	ME-MS41 Hg ppm	ME-MS41 In ppm	ME-MS41 K %	ME-MS41 La ppm	ME-MS41 Li ppm	ME-MS41 Mg %	ME-MS41 Mn ppm	ME-MS41 Mo ppm	ME-MS41 Na %	ME-MS41 Nb ppm
		0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05
STANDARDS																
SQ48																
Target Range - Lower Bound																
Upper Bound																
BLANKS																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<0.2	<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	0.05
BLANK		<0.2	<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	0.05
BLANK		<0.2	<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	0.05
Target Range - Lower Bound		<0.2	<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	<0.05
Upper Bound		0.4	0.02	0.10	0.10	0.04	0.02	0.010	0.02	0.4	0.2	0.02	10	0.10	0.02	0.10
DUPLICATES																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

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Sample Description	Method Analyte Units LOR	ME-MS41 Ni ppm	ME-MS41 P ppm	ME-MS41 Pb ppm	ME-MS41 Rb ppm	ME-MS41 Re ppm	ME-MS41 S %	ME-MS41 Sb ppm	ME-MS41 Sc ppm	ME-MS41 Se ppm	ME-MS41 Sn ppm	ME-MS41 Sr ppm	ME-MS41 Ta ppm	ME-MS41 Te ppm	ME-MS41 Th ppm	ME-MS41 Ti %
		0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005
STANDARDS																
SQ48																
Target Range - Lower Bound																
Upper Bound																
BLANKS																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<0.2	<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005
BLANK		<0.2	<10	<0.2	<0.1	<0.001	0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	0.01	<0.2	<0.005
BLANK		<0.2	<10	0.2	<0.1	<0.001	0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005
Target Range - Lower Bound		<0.2	<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005
Upper Bound		0.4	20	0.4	0.2	0.002	0.02	0.10	0.2	0.4	0.4	0.4	0.02	0.02	0.4	0.010
DUPLICATES																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

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Sample Description	Method Analyte Units LOR	ME-MS41 Tl ppm	ME-MS41 U ppm	ME-MS41 V ppm	ME-MS41 W ppm	ME-MS41 Y ppm	ME-MS41 Zn ppm	ME-MS41 Zr ppm	Au-GR22 Au ppm
		0.02	0.05	1	0.05	0.05	2	0.5	0.05
STANDARDS									
SQ48									30.3
Target Range - Lower Bound									28.4
Upper Bound									32.1
BLANKS									
BLANK									<0.05
BLANK									<0.05
BLANK									<0.05
BLANK									<0.05
Target Range - Lower Bound									<0.05
Upper Bound									0.10
BLANK		<0.02	<0.05	<1	<0.05	<0.05	<2	<0.5	
BLANK		<0.02	<0.05	<1	<0.05	<0.05	<2	<0.5	
BLANK		<0.02	<0.05	<1	<0.05	<0.05	<2	<0.5	
Target Range - Lower Bound		<0.02	<0.05	<1	<0.05	<0.05	<2	<0.5	
Upper Bound		0.04	0.10	2	0.10	0.10	4	1.0	
DUPLICATES									
ORIGINAL									
DUP									
Target Range - Lower Bound									
Upper Bound									
ORIGINAL									
DUP									
Target Range - Lower Bound									
Upper Bound									



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Sample Description	Method Analyte Units LOR	Au-AA23 Au ppm 0.005	ME-MS41 Ag ppm 0.01	ME-MS41 Al % 0.01	ME-MS41 As ppm 0.1	ME-MS41 Au ppm 0.2	ME-MS41 B ppm 10	ME-MS41 Ba ppm 10	ME-MS41 Be ppm 0.05	ME-MS41 Bi ppm 0.01	ME-MS41 Ca % 0.01	ME-MS41 Cd ppm 0.01	ME-MS41 Ce ppm 0.02	ME-MS41 Co ppm 0.1	ME-MS41 Cr ppm 1	ME-MS41 Cs ppm 0.05
DUPLICATES																
ORIGINAL DUP Target Range - Lower Bound Upper Bound		<0.005 <0.005 <0.005 0.010														
ORIGINAL DUP Target Range - Lower Bound Upper Bound		0.738 0.798 0.725 0.811														
ORIGINAL DUP Target Range - Lower Bound Upper Bound																
ORIGINAL DUP Target Range - Lower Bound Upper Bound																
S475307 DUP Target Range - Lower Bound Upper Bound			0.04 0.04 0.03 0.05	1.79 1.83 1.71 1.91	0.3 0.3 0.2 0.4	<0.2 <0.2 <0.2 0.4	<10 <10 <10 20	100 100 80 120	0.21 0.21 0.15 0.27	0.02 0.02 <0.01 0.03	1.09 1.11 1.04 1.17	0.13 0.14 0.12 0.15	37.9 39.7 36.8 40.8	34.2 32.3 31.5 35.0	37 38 35 40	1.90 1.96 1.78 2.08
S475337 DUP Target Range - Lower Bound Upper Bound		0.009 0.008 <0.005 0.010														
S475343 DUP Target Range - Lower Bound Upper Bound			0.02 0.02 <0.01 0.03	0.03 0.03 0.02 0.04	0.2 0.3 <0.1 0.4	<0.2 <0.2 <0.2 0.4	<10 <10 <10 20	10 10 <10 20	0.08 0.07 <0.05 0.10	0.02 0.02 <0.01 0.03	0.04 0.04 0.03 0.05	<0.01 0.01 <0.01 0.02	1.25 1.27 1.18 1.34	1.2 1.3 1.1 1.4	10 12 9 13	0.49 0.50 0.42 0.57
S475374 DUP Target Range - Lower Bound Upper Bound																



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QC CERTIFICATE OF ANALYSIS TB16179594

Sample Description	Method Analyte Units LOR	ME-MS41 Cu ppm	ME-MS41 Fe %	ME-MS41 Ga ppm	ME-MS41 Ge ppm	ME-MS41 Hf ppm	ME-MS41 Hg ppm	ME-MS41 In ppm	ME-MS41 K %	ME-MS41 La ppm	ME-MS41 Li ppm	ME-MS41 Mg %	ME-MS41 Mn ppm	ME-MS41 Mo ppm	ME-MS41 Na %	ME-MS41 Nb ppm
		0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05
ORIGINAL DUP Target Range - Lower Bound Upper Bound		DUPLICATES														
ORIGINAL DUP Target Range - Lower Bound Upper Bound																
ORIGINAL DUP Target Range - Lower Bound Upper Bound																
ORIGINAL DUP Target Range - Lower Bound Upper Bound																
S475307 DUP Target Range - Lower Bound Upper Bound		86.5 84.6 82.4 88.7	6.36 6.52 6.11 6.77	9.02 9.06 8.54 9.54	0.11 0.09 <0.05 0.16	0.40 0.41 0.36 0.45	<0.01 <0.01 <0.01 0.02	0.024 0.025 0.018 0.031	0.26 0.26 0.24 0.28	17.9 18.8 17.2 19.5	9.1 9.3 8.6 9.8	0.86 0.88 0.82 0.92	471 486 450 507	0.63 0.68 0.57 0.74	0.21 0.21 0.19 0.23	0.28 0.26 0.21 0.33
S475337 DUP Target Range - Lower Bound Upper Bound																
S475343 DUP Target Range - Lower Bound Upper Bound		4.3 4.6 4.1 4.8	2.84 2.71 2.63 2.92	0.32 0.33 0.26 0.39	0.09 0.07 <0.05 0.10	<0.02 <0.02 <0.02 0.04	<0.01 <0.01 <0.01 0.02	<0.005 <0.005 <0.005 0.010	0.01 0.01 <0.01 0.02	0.6 0.6 0.4 0.8	0.1 0.1 <0.1 0.2	0.02 0.02 <0.01 0.03	146 142 132 156	0.78 0.96 0.78 0.96	0.01 <0.01 <0.01 0.02	0.08 0.08 <0.05 0.10
S475374 DUP Target Range - Lower Bound Upper Bound																



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QC CERTIFICATE OF ANALYSIS TB16179594

Sample Description	Method Analyte Units LOR	ME-MS41 Ni ppm	ME-MS41 P ppm	ME-MS41 Pb ppm	ME-MS41 Rb ppm	ME-MS41 Re ppm	ME-MS41 S %	ME-MS41 Sb ppm	ME-MS41 Sc ppm	ME-MS41 Se ppm	ME-MS41 Sn ppm	ME-MS41 Sr ppm	ME-MS41 Ta ppm	ME-MS41 Te ppm	ME-MS41 Th ppm	ME-MS41 Ti %
		0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005
ORIGINAL DUP		DUPLICATES														
Target Range - Lower Bound																
Target Range - Upper Bound																
ORIGINAL DUP																
Target Range - Lower Bound																
Target Range - Upper Bound																
ORIGINAL DUP																
Target Range - Lower Bound																
Target Range - Upper Bound																
S475307		42.7	1080	5.2	20.7	0.001	0.05	<0.05	3.0	0.5	0.5	52.3	<0.01	0.01	2.4	0.209
DUP		40.6	1100	5.2	20.6	<0.001	0.05	<0.05	2.8	0.5	0.5	53.2	<0.01	0.01	2.5	0.214
Target Range - Lower Bound		39.4	1030	4.7	19.5	<0.001	0.04	<0.05	2.7	0.3	0.3	49.9	<0.01	<0.01	2.1	0.196
Target Range - Upper Bound		43.9	1150	5.7	21.8	0.002	0.06	0.10	3.1	0.7	0.7	55.6	0.02	0.02	2.8	0.227
S475337																
DUP																
Target Range - Lower Bound																
Target Range - Upper Bound																
S475343		3.0	180	<0.2	1.5	0.001	0.19	<0.05	0.1	<0.2	<0.2	2.5	<0.01	0.06	<0.2	<0.005
DUP		3.2	180	<0.2	1.6	0.002	0.19	<0.05	0.1	0.2	<0.2	2.6	<0.01	0.07	<0.2	<0.005
Target Range - Lower Bound		2.7	160	<0.2	1.4	<0.001	0.17	<0.05	<0.1	<0.2	<0.2	2.2	<0.01	0.05	<0.2	<0.005
Target Range - Upper Bound		3.5	200	0.4	1.7	0.002	0.21	0.10	0.2	0.4	0.4	2.9	0.02	0.08	0.4	0.010
S475374																
DUP																
Target Range - Lower Bound																
Target Range - Upper Bound																



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QC CERTIFICATE OF ANALYSIS TB16179594

Sample Description	Method Analyte Units LOR	ME-MS41 Tl ppm 0.02	ME-MS41 U ppm 0.05	ME-MS41 V ppm 1	ME-MS41 W ppm 0.05	ME-MS41 Y ppm 0.05	ME-MS41 Zn ppm 2	ME-MS41 Zr ppm 0.5	Au-GR22 Au ppm 0.05
ORIGINAL DUP Target Range - Lower Bound Upper Bound		DUPLICATES							
ORIGINAL DUP Target Range - Lower Bound Upper Bound									
ORIGINAL DUP Target Range - Lower Bound Upper Bound									24.4 19.60 20.9 23.2
ORIGINAL DUP Target Range - Lower Bound Upper Bound									7.13 7.15 6.73 7.55
S475307 DUP Target Range - Lower Bound Upper Bound		0.08 0.06 0.04 0.10	0.38 0.39 0.32 0.45	245 252 235 262	0.09 0.07 <0.05 0.10	11.25 11.35 10.70 11.90	88 89 82 95	17.6 17.6 15.8 19.4	
S475337 DUP Target Range - Lower Bound Upper Bound									
S475343 DUP Target Range - Lower Bound Upper Bound		<0.02 <0.02 <0.02 0.04	<0.05 <0.05 <0.05 0.10	1 1 <1 2	0.06 0.08 <0.05 0.10	0.85 0.90 0.78 0.97	<2 <2 <2 4	<0.5 <0.5 <0.5 1.0	
S475374 DUP Target Range - Lower Bound Upper Bound									3.59 3.82 3.47 3.94



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Sample Description	Method Analyte Units LOR	Au-AA23 Au ppm 0.005	ME-MS41 Ag ppm 0.01	ME-MS41 Al % 0.01	ME-MS41 As ppm 0.1	ME-MS41 Au ppm 0.2	ME-MS41 B ppm 10	ME-MS41 Ba ppm 10	ME-MS41 Be ppm 0.05	ME-MS41 Bi ppm 0.01	ME-MS41 Ca % 0.01	ME-MS41 Cd ppm 0.01	ME-MS41 Ce ppm 0.02	ME-MS41 Co ppm 0.1	ME-MS41 Cr ppm 1	ME-MS41 Cs ppm 0.05
DUPLICATES																
ORIGINAL		<0.005														
DUP		<0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														
ORIGINAL		6.08														
DUP		6.00														
Target Range - Lower Bound		5.73														
Upper Bound		6.35														
ORIGINAL		1.115														
DUP		1.090														
Target Range - Lower Bound		1.040														
Upper Bound		1.165														
ORIGINAL		0.047														
DUP		0.044														
Target Range - Lower Bound		0.038														
Upper Bound		0.053														
ORIGINAL		0.029														
DUP		0.029														
Target Range - Lower Bound		0.023														
Upper Bound		0.035														
ORIGINAL		0.050														
DUP		0.099														
Target Range - Lower Bound		0.066														
Upper Bound		0.083														
ORIGINAL			0.04	0.57	5.4	<0.2	10	320	0.27	0.05	9.15	0.09	13.00	3.6	8	0.63
DUP			0.04	0.58	5.2	<0.2	10	330	0.30	0.05	9.39	0.09	13.50	3.5	8	0.64
Target Range - Lower Bound			0.03	0.54	4.9	<0.2	<10	290	0.22	0.04	8.80	0.08	12.55	3.3	7	0.55
Upper Bound			0.05	0.61	5.7	0.4	20	360	0.35	0.06	9.74	0.10	13.95	3.8	9	0.72
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

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QC CERTIFICATE OF ANALYSIS TB16179594

Sample Description	Method Analyte Units LOR	ME-MS41 Tl ppm	ME-MS41 U ppm	ME-MS41 V ppm	ME-MS41 W ppm	ME-MS41 Y ppm	ME-MS41 Zn ppm	ME-MS41 Zr ppm	Au-GRA22 Au ppm
		0.02	0.05	1	0.05	0.05	2	0.5	0.05
ORIGINAL DUP Target Range - Lower Bound Upper Bound	DUPLICATES								
ORIGINAL DUP Target Range - Lower Bound Upper Bound									
ORIGINAL DUP Target Range - Lower Bound Upper Bound									
ORIGINAL DUP Target Range - Lower Bound Upper Bound									
ORIGINAL DUP Target Range - Lower Bound Upper Bound									
ORIGINAL DUP Target Range - Lower Bound Upper Bound									
ORIGINAL DUP Target Range - Lower Bound Upper Bound	0.07 0.07	1.49 1.52	38 39	0.14 0.13	4.68 4.81	11 12	4.0 4.0		
ORIGINAL DUP Target Range - Lower Bound Upper Bound	0.04 0.10	1.38 1.63	36 41	0.07 0.20	4.46 5.03	9 14	3.2 4.8		
ORIGINAL DUP Target Range - Lower Bound Upper Bound								3.61 3.49	3.32 3.78

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QC CERTIFICATE TM16181952

Project: Hemlo
 P.O. No.: BM005b
 This report is for 21 Rock samples submitted to our lab in Timmins, ON, Canada on 24-OCT-2016.
 The following have access to data associated with this certificate:

JOHN HARVEY GORDON MCKINNON	BRUCE MACKIE CANADIAN OREBODIES WEBTRIEVE	BRUCE MACLACHLAN
--------------------------------	--	------------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	
ME-MS41	Ultra Trace Aqua Regia ICP-MS	
Au-AA23	Au 30g FA-AA finish	AAS

To: CANADIAN OREBODIES INC.
 ATTN: BRUCE MACLACHLAN
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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Signature: 
 Colin Ramshaw, Vancouver Laboratory Manager



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Sample Description	Method Analyte Units LOR	Au-AA23 Au ppm 0.005	ME-MS41 Ag ppm 0.01	ME-MS41 Al % 0.01	ME-MS41 As ppm 0.1	ME-MS41 Au ppm 0.2	ME-MS41 B ppm 10	ME-MS41 Ba ppm 10	ME-MS41 Be ppm 0.05	ME-MS41 Bi ppm 0.01	ME-MS41 Ca % 0.01	ME-MS41 Cd ppm 0.01	ME-MS41 Ce ppm 0.02	ME-MS41 Co ppm 0.1	ME-MS41 Cr ppm 1	ME-MS41 Cs ppm 0.05
STANDARDS																
OGGeo08			20.1	2.29	127.5	<0.2	<10	70	0.78	11.00	0.92	19.80	65.0	101.0	84	9.81
Target Range - Lower Bound			18.15	2.05	107.0	<0.2	<10	60	0.61	9.44	0.82	16.75	56.7	87.2	75	8.68
Upper Bound			22.2	2.53	131.0	0.4	30	110	0.89	11.55	1.02	20.5	69.3	107.0	93	10.70
OREAS 503b	0.696															
Target Range - Lower Bound	0.648															
Upper Bound	0.742															
OREAS 920		0.09	2.53	4.7	<0.2	<10	90	0.73	0.74	0.34	0.06	77.6	15.4	45	2.10	
Target Range - Lower Bound		0.07	2.18	3.8	<0.2	<10	50	0.59	0.60	0.28	0.04	64.8	13.4	37	1.84	
Upper Bound		0.12	2.68	4.9	0.4	20	110	0.87	0.76	0.37	0.09	79.2	16.6	48	2.36	
OxJ111	2.16															
Target Range - Lower Bound	2.03															
Upper Bound	2.30															
BLANKS																
BLANK	<0.005															
Target Range - Lower Bound	<0.005															
Upper Bound	0.010															
BLANK		<0.01	<0.01	<0.1	<0.2	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05	
Target Range - Lower Bound		<0.01	<0.01	<0.1	<0.2	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05	
Upper Bound		0.02	0.02	0.2	0.4	20	20	0.10	0.02	0.02	0.02	0.04	0.2	2	0.10	
DUPLICATES																
ORIGINAL	0.015															
DUP	0.014															
Target Range - Lower Bound	0.009															
Upper Bound	0.020															
ORIGINAL	<0.005															
DUP	<0.005															
Target Range - Lower Bound	<0.005															
Upper Bound	0.010															

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Sample Description	Method Analyte Units LOR	ME-MS41 Cu ppm	ME-MS41 Fe %	ME-MS41 Ga ppm	ME-MS41 Ge ppm	ME-MS41 Hf ppm	ME-MS41 Hg ppm	ME-MS41 In ppm	ME-MS41 K %	ME-MS41 La ppm	ME-MS41 Li ppm	ME-MS41 Mg %	ME-MS41 Mn ppm	ME-MS41 Mo ppm	ME-MS41 Na %	ME-MS41 Nb ppm
		0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05
STANDARDS																
OGGeo08		8830	5.23	9.45	0.17	0.77	0.48	1.520	1.11	31.4	36.7	0.97	404	909	0.31	0.99
Target Range - Lower Bound		7800	4.51	8.05	0.21	0.72	0.41	1.335	0.94	27.7	28.4	0.84	350	811	0.26	0.97
Upper Bound		8980	5.53	9.95	0.45	0.92	0.57	1.645	1.18	34.3	35.0	1.05	438	991	0.34	1.29
OREAS 503b																
Target Range - Lower Bound																
Upper Bound																
OREAS 920		110.5	3.74	7.26	0.09	0.61	<0.01	0.033	0.46	39.4	19.9	1.10	543	0.37	0.02	0.37
Target Range - Lower Bound		102.0	3.26	6.12	<0.05	0.53	<0.01	0.019	0.39	33.3	19.0	0.98	472	0.29	<0.01	0.31
Upper Bound		118.0	4.00	7.60	0.10	0.69	0.02	0.043	0.50	41.1	23.4	1.22	588	0.53	0.02	0.55
OxJ111																
Target Range - Lower Bound																
Upper Bound																
BLANKS																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<0.2	<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	0.1	<0.01	<5	<0.05	<0.01	<0.05
Target Range - Lower Bound		<0.2	<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	<0.05
Upper Bound		0.4	0.02	0.10	0.10	0.04	0.02	0.010	0.02	0.4	0.2	0.02	10	0.10	0.02	0.10
DUPLICATES																
ORIGINAL DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL DUP																
Target Range - Lower Bound																
Upper Bound																



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Method Analyte Units LOR	ME-MS41 Ni ppm	ME-MS41 P ppm	ME-MS41 Pb ppm	ME-MS41 Rb ppm	ME-MS41 Re ppm	ME-MS41 S %	ME-MS41 Sb ppm	ME-MS41 Sc ppm	ME-MS41 Se ppm	ME-MS41 Sn ppm	ME-MS41 Sr ppm	ME-MS41 Ta ppm	ME-MS41 Te ppm	ME-MS41 Th ppm	ME-MS41 Ti %
Sample Description	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005
STANDARDS															
OGGeo08	9210	850	7470	126.0	1.490	2.85	22.4	6.8	11.8	14.7	68.6	0.01	0.16	18.2	0.325
Target Range - Lower Bound	7760	700	6520	109.5	1.295	2.51	17.70	6.0	9.7	12.0	59.6	<0.01	0.14	15.6	0.279
Upper Bound	9480	880	7970	134.5	1.585	3.09	24.1	7.6	12.3	15.1	73.2	0.03	0.20	19.6	0.353
OREAS 503b															
Target Range - Lower Bound															
Upper Bound															
OREAS 920	38.9	770	21.8	26.5	0.001	0.03	0.64	2.8	1.0	1.1	17.5	0.01	0.02	16.7	0.151
Target Range - Lower Bound	34.4		19.2	22.2	<0.001	<0.01	0.45	2.5	0.4	0.7	15.0	<0.01	<0.01	13.6	0.106
Upper Bound	42.4		23.9	27.4	0.002	0.05	0.77	3.3	1.3	1.7	18.8	0.02	0.02	17.0	0.140
OxJ111															
Target Range - Lower Bound															
Upper Bound															
BLANKS															
BLANK															
Target Range - Lower Bound															
Upper Bound															
BLANK	<0.2	<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005
Target Range - Lower Bound	<0.2	<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005
Upper Bound	0.4	20	0.4	0.2	0.002	0.02	0.10	0.2	0.4	0.4	0.4	0.02	0.02	0.4	0.010
DUPLICATES															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															

***** See Appendix Page for comments regarding this certificate *****



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QC CERTIFICATE OF ANALYSIS TM16181952

Sample Description	Method Analyte Units LOR	ME-MS41 Tl ppm 0.02	ME-MS41 U ppm 0.05	ME-MS41 V ppm 1	ME-MS41 W ppm 0.05	ME-MS41 Y ppm 0.05	ME-MS41 Zn ppm 2	ME-MS41 Zr ppm 0.5
STANDARDS								
OGGeo08		1.42	5.05	83	3.21	17.50	7300	24.5
Target Range - Lower Bound		1.14	4.45	70	2.58	15.35	6500	19.5
Upper Bound		1.58	5.55	88	3.60	18.85	7950	27.5
OREAS 503b								
Target Range - Lower Bound								
Upper Bound								
OREAS 920		0.16	2.10	27	0.59	19.55	111	24.4
Target Range - Lower Bound		0.07	1.89	23	<0.05	16.85	93	17.6
Upper Bound		0.18	2.42	30	0.10	20.7	119	25.0
OxJ111								
Target Range - Lower Bound								
Upper Bound								
BLANKS								
BLANK		<0.02	<0.05	<1	<0.05	<0.05	<2	<0.5
Target Range - Lower Bound		<0.02	<0.05	<1	<0.05	<0.05	<2	<0.5
Upper Bound		0.04	0.10	2	0.10	0.10	4	1.0
DUPLICATES								
ORIGINAL DUP								
Target Range - Lower Bound								
Upper Bound								



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Project: Hemlo

QC CERTIFICATE OF ANALYSIS TM16181952

Sample Description	Method Analyte Units LOR	Au-AA23 Au ppm 0.005	ME-MS41 Ag ppm 0.01	ME-MS41 Al % 0.01	ME-MS41 As ppm 0.1	ME-MS41 Au ppm 0.2	ME-MS41 B ppm 10	ME-MS41 Ba ppm 10	ME-MS41 Be ppm 0.05	ME-MS41 Bi ppm 0.01	ME-MS41 Ca % 0.01	ME-MS41 Cd ppm 0.01	ME-MS41 Ce ppm 0.02	ME-MS41 Co ppm 0.1	ME-MS41 Cr ppm 1	ME-MS41 Cs ppm 0.05
DUPLICATES																
ORIGINAL			0.25	3.57	2.4	<0.2	<10	10	0.10	1.27	0.39	0.21	31.5	25.1	62	0.27
DUP			0.25	3.54	2.0	<0.2	<10	10	0.09	1.22	0.40	0.21	29.8	25.3	62	0.26
Target Range - Lower Bound			0.23	3.37	2.0	<0.2	<10	<10	<0.05	1.17	0.37	0.19	29.1	23.8	58	0.20
Upper Bound			0.27	3.74	2.4	0.4	20	20	0.10	1.32	0.42	0.23	32.2	26.6	66	0.33
S475403		<0.005														
DUP		<0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														

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QC CERTIFICATE OF ANALYSIS TM16181952

Sample Description	Method	MS41	MS41	MS41	MS41	MS41	MS41	MS41	MS41	MS41	MS41	MS41	MS41	MS41	MS41	
	Analyte	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05
DUPLICATES																
ORIGINAL		430	14.85	16.60	0.18	0.29	0.01	0.093	0.08	17.6	10.2	1.85	951	1.74	0.10	0.27
DUP		420	14.70	16.35	0.19	0.28	<0.01	0.090	0.08	16.9	10.1	1.84	960	1.71	0.10	0.28
Target Range - Lower Bound		410	14.05	15.60	0.13	0.25	<0.01	0.082	0.07	16.2	9.5	1.74	903	1.59	0.09	0.21
Upper Bound		440	15.50	17.35	0.24	0.32	0.02	0.101	0.09	18.3	10.8	1.95	1010	1.86	0.12	0.34
S475403																
DUP																
Target Range - Lower Bound																
Upper Bound																

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QC CERTIFICATE OF ANALYSIS TM16181952

Sample Description	Method Analyte Units LOR	ME-MS41 Ni ppm	ME-MS41 P ppm	ME-MS41 Pb ppm	ME-MS41 Rb ppm	ME-MS41 Re ppm	ME-MS41 S %	ME-MS41 Sb ppm	ME-MS41 Sc ppm	ME-MS41 Se ppm	ME-MS41 Sn ppm	ME-MS41 Sr ppm	ME-MS41 Ta ppm	ME-MS41 Te ppm	ME-MS41 Th ppm	ME-MS41 Ti %
		0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005
		DUPLICATES														
ORIGINAL		61.9	490	45.6	2.0	0.009	3.80	0.48	6.0	6.4	1.2	29.5	0.01	0.62	14.1	0.110
DUP		62.2	480	43.5	2.0	0.008	3.76	0.44	6.2	6.2	1.2	29.5	0.01	0.58	13.4	0.115
Target Range - Lower Bound		58.7	450	42.1	1.8	0.007	3.58	0.38	5.7	5.8	0.9	27.8	<0.01	0.56	12.9	0.102
Upper Bound		65.4	520	47.0	2.2	0.010	3.98	0.54	6.5	6.8	1.5	31.2	0.02	0.64	14.6	0.123
S475403																
DUP																
Target Range - Lower Bound																
Upper Bound																

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QC CERTIFICATE OF ANALYSIS TM16181952

Sample Description	Method Analyte Units LOR	ME-MS41 Tl ppm 0.02	ME-MS41 U ppm 0.05	ME-MS41 V ppm 1	ME-MS41 W ppm 0.05	ME-MS41 Y ppm 0.05	ME-MS41 Zn ppm 2	ME-MS41 Zr ppm 0.5
		DUPLICATES						
ORIGINAL		0.04	2.93	109	0.05	10.00	192	12.0
DUP		0.04	2.83	109	<0.05	10.05	192	12.1
Target Range - Lower Bound		<0.02	2.69	103	<0.05	9.47	180	10.6
Upper Bound		0.06	3.07	115	0.10	10.60	204	13.5
S475403								
DUP								
Target Range - Lower Bound								
Upper Bound								



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	CERTIFICATE COMMENTS								
Applies to Method:	<p style="text-align: center;">ANALYTICAL COMMENTS</p> <p>Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g). ME-MS41</p>								
Applies to Method:	<p style="text-align: center;">LABORATORY ADDRESSES</p> <p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. Au-AA23 ME-MS41</p>								
Applies to Method:	<p>Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">CRU-31</td> <td style="width: 33%;">CRU-QC</td> <td style="width: 33%;">LOG-22</td> <td style="width: 15%;"></td> </tr> <tr> <td>PUL-QC</td> <td>SPL-21</td> <td>WEI-21</td> <td style="text-align: right;">PUL-31</td> </tr> </table>	CRU-31	CRU-QC	LOG-22		PUL-QC	SPL-21	WEI-21	PUL-31
CRU-31	CRU-QC	LOG-22							
PUL-QC	SPL-21	WEI-21	PUL-31						



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QC CERTIFICATE TM16181957

Project: Hemlo
 P.O. No.: BM005a
 This report is for 22 Rock samples submitted to our lab in Timmins, ON, Canada on 24-OCT-2016.
 The following have access to data associated with this certificate:

JOHN HARVEY GORDON MCKINNON	BRUCE MACKIE CANADIAN OREBODIES WEBTRIEVE	BRUCE MACLACHLAN
--------------------------------	--	------------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	
ME-MS41	Ultra Trace Aqua Regia ICP-MS	
Au-AA23	Au 30g FA-AA finish	AAS

To: CANADIAN OREBODIES INC.
 ATTN: BRUCE MACLACHLAN
 301 - 141 ADELAIDE STREET WEST
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 
 Colin Ramshaw, Vancouver Laboratory Manager



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QC CERTIFICATE OF ANALYSIS TM16181957

Sample Description	Method Analyte Units LOR	Au-AA23 Au ppm	ME-MS41 Ag ppm	ME-MS41 Al %	ME-MS41 As ppm	ME-MS41 Au ppm	ME-MS41 B ppm	ME-MS41 Ba ppm	ME-MS41 Be ppm	ME-MS41 Bi ppm	ME-MS41 Ca %	ME-MS41 Cd ppm	ME-MS41 Ce ppm	ME-MS41 Co ppm	ME-MS41 Cr ppm	ME-MS41 Cs ppm	
		0.005	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05	
STANDARDS																	
BP-13		0.367															
Target Range - Lower Bound		0.332															
Upper Bound		0.384															
G909-4		7.44															
Target Range - Lower Bound		7.06															
Upper Bound		7.98															
MRCeo08			4.45	2.61	32.9	<0.2	<10	440	0.90	0.71	1.07	2.33	76.1	19.8	90	10.90	
Target Range - Lower Bound			4.00	2.44	29.6	<0.2	<10	370	0.67	0.60	1.00	2.01	66.2	17.0	81	9.40	
Upper Bound			4.92	3.00	36.4	0.4	20	530	0.95	0.76	1.24	2.47	81.0	21.0	102	11.60	
OGGeo08			20.1	2.29	127.5	<0.2	<10	70	0.78	11.00	0.92	19.80	65.0	101.0	84	9.81	
Target Range - Lower Bound			18.15	2.05	107.0	<0.2	<10	60	0.61	9.44	0.82	16.75	56.7	87.2	75	8.68	
Upper Bound			22.2	2.53	131.0	0.4	30	110	0.89	11.55	1.02	20.5	69.3	107.0	93	10.70	
OREAS 503b		0.696															
OREAS 503b		0.685															
Target Range - Lower Bound		0.648															
Upper Bound		0.742															
OREAS 905			0.53	0.77	31.9	0.4	<10	240	0.91	6.03	0.33	0.37	82.8	14.5	16	1.32	
Target Range - Lower Bound			0.45	0.73	28.4	<0.2	<10	200	0.78	5.16	0.29	0.30	72.0	12.4	15	1.14	
Upper Bound			0.58	0.91	35.0	0.8	20	300	1.08	6.32	0.38	0.38	88.0	15.4	20	1.50	
OREAS 920			0.09	2.53	4.7	<0.2	<10	90	0.73	0.74	0.34	0.06	77.6	15.4	45	2.10	
Target Range - Lower Bound			0.07	2.18	3.8	<0.2	<10	50	0.59	0.60	0.28	0.04	64.8	13.4	37	1.84	
Upper Bound			0.12	2.68	4.9	0.4	20	110	0.87	0.76	0.37	0.09	79.2	16.6	48	2.36	
OxJ111		2.16															
OxJ111		2.18															
Target Range - Lower Bound		2.03															
Upper Bound		2.30															
BLANKS																	
BLANK		<0.005															
BLANK		<0.005															
BLANK		<0.005															
Target Range - Lower Bound		<0.005															
Upper Bound		0.010															
BLANK			<0.01	<0.01	<0.1	<0.2	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05	
BLANK			<0.01	<0.01	<0.1	<0.2	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05	
Target Range - Lower Bound			<0.01	<0.01	<0.1	<0.2	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05	
Upper Bound			0.02	0.02	0.2	0.4	20	20	0.10	0.02	0.02	0.02	0.04	0.2	2	0.10	



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 Account: CANORE

Project: Hemlo

QC CERTIFICATE OF ANALYSIS TM16181957

Sample Description	Method Analyte Units LOR	ME-MS41 Cu ppm	ME-MS41 Fe %	ME-MS41 Ga ppm	ME-MS41 Ge ppm	ME-MS41 Hf ppm	ME-MS41 Hg ppm	ME-MS41 In ppm	ME-MS41 K %	ME-MS41 La ppm	ME-MS41 Li ppm	ME-MS41 Mg %	ME-MS41 Mn ppm	ME-MS41 Mo ppm	ME-MS41 Na %	ME-MS41 Nb ppm
		0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05
STANDARDS																
BP-13																
Target Range - Lower Bound																
Upper Bound																
G909-4																
Target Range - Lower Bound																
Upper Bound																
MRCeo08		617	3.61	10.45	0.16	0.80	0.05	0.161	1.26	37.7	35.3	1.14	405	15.40	0.33	0.98
Target Range - Lower Bound		587	3.22	8.73	0.07	0.64	0.04	0.137	1.12	33.2	29.6	1.03	378	13.10	0.30	0.79
Upper Bound		675	3.96	10.80	0.29	0.83	0.10	0.179	1.40	41.0	36.4	1.29	473	16.10	0.39	1.09
OGGeo08		8830	5.23	9.45	0.17	0.77	0.48	1.520	1.11	31.4	36.7	0.97	404	909	0.31	0.99
Target Range - Lower Bound		7800	4.51	8.05	0.21	0.72	0.41	1.335	0.94	27.7	28.4	0.84	350	811	0.26	0.97
Upper Bound		8980	5.53	9.95	0.45	0.92	0.57	1.645	1.18	34.3	35.0	1.05	438	991	0.34	1.29
OREAS 503b																
OREAS 503b																
Target Range - Lower Bound																
Upper Bound																
OREAS 905		1510	3.38	6.52	0.10	1.21	0.01	0.612	0.30	42.1	4.4	0.14	332	3.28	0.09	0.31
Target Range - Lower Bound		1450	3.14	5.74	<0.05	1.08	<0.01	0.517	0.28	35.6	4.3	0.13	310	2.65	0.07	0.19
Upper Bound		1670	3.86	7.12	0.10	1.36	0.02	0.643	0.36	44.0	5.5	0.19	390	3.35	0.12	0.43
OREAS 920		110.5	3.74	7.26	0.09	0.61	<0.01	0.033	0.46	39.4	19.9	1.10	543	0.37	0.02	0.37
Target Range - Lower Bound		102.0	3.26	6.12	<0.05	0.53	<0.01	0.019	0.39	33.3	19.0	0.98	472	0.29	<0.01	0.31
Upper Bound		118.0	4.00	7.60	0.10	0.69	0.02	0.043	0.50	41.1	23.4	1.22	588	0.53	0.02	0.55
OxJ111																
OxJ111																
Target Range - Lower Bound																
Upper Bound																
BLANKS																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<0.2	<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	0.1	<0.01	<5	<0.05	<0.01	<0.05
BLANK		<0.2	<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	<0.05
Target Range - Lower Bound		<0.2	<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	<0.05
Upper Bound		0.4	0.02	0.10	0.10	0.04	0.02	0.010	0.02	0.4	0.2	0.02	10	0.10	0.02	0.10



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Project: Hemlo

QC CERTIFICATE OF ANALYSIS TM16181957

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
		ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
STANDARDS																
BP-13																
Target Range - Lower Bound																
Upper Bound																
G909-4																
Target Range - Lower Bound																
Upper Bound																
MGeo08		704	1050	1070	149.5	0.008	0.31	3.15	8.0	1.5	3.7	82.4	0.02	0.02	22.7	0.376
Target Range - Lower Bound		622	900	959	132.0	0.006	0.27	2.80	6.7	0.9	2.8	72.1	<0.01	<0.01	19.1	0.338
Upper Bound		760	1130	1175	162.0	0.010	0.35	3.90	8.4	1.9	4.0	88.5	0.03	0.04	23.7	0.424
OGGeo08		9210	850	7470	126.0	1.490	2.85	22.4	6.8	11.8	14.7	68.6	0.01	0.16	18.2	0.325
Target Range - Lower Bound		7760	700	6520	109.5	1.295	2.51	17.70	6.0	9.7	12.0	59.6	<0.01	0.14	15.6	0.279
Upper Bound		9480	880	7970	134.5	1.585	3.09	24.1	7.6	12.3	15.1	73.2	0.03	0.20	19.6	0.353
OREAS 503b																
OREAS 503b																
Target Range - Lower Bound																
Upper Bound																
OREAS 905		8.8	240	16.5	18.8	<0.001	0.07	1.03	1.8	2.8	1.4	13.0	<0.01	0.08	9.5	0.020
Target Range - Lower Bound		7.8		15.2	17.3	<0.001	0.04	0.90	1.6	1.8	0.8	10.9	<0.01	0.04	7.8	0.008
Upper Bound		10.0		19.0	21.3	0.002	0.09	1.34	2.2	2.8	1.7	13.7	0.02	0.09	10.0	0.030
OREAS 920		38.9	770	21.8	26.5	0.001	0.03	0.64	2.8	1.0	1.1	17.5	0.01	0.02	16.7	0.151
Target Range - Lower Bound		34.4		19.2	22.2	<0.001	<0.01	0.45	2.5	0.4	0.7	15.0	<0.01	<0.01	13.6	0.106
Upper Bound		42.4		23.9	27.4	0.002	0.05	0.77	3.3	1.3	1.7	18.8	0.02	0.02	17.0	0.140
OxJ111																
OxJ111																
Target Range - Lower Bound																
Upper Bound																
BLANKS																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<0.2	<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005
BLANK		<0.2	<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005
Target Range - Lower Bound		<0.2	<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005
Upper Bound		0.4	20	0.4	0.2	0.002	0.02	0.10	0.2	0.4	0.4	0.4	0.02	0.02	0.4	0.010

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 Account: CANORE

Project: Hemlo

QC CERTIFICATE OF ANALYSIS TM16181957

Sample Description	Method Analyte Units LOR	ME-MS41 Tl ppm 0.02	ME-MS41 U ppm 0.05	ME-MS41 V ppm 1	ME-MS41 W ppm 0.05	ME-MS41 Y ppm 0.05	ME-MS41 Zn ppm 2	ME-MS41 Zr ppm 0.5
STANDARDS								
BP-13								
Target Range - Lower Bound								
Upper Bound								
G909-4								
Target Range - Lower Bound								
Upper Bound								
MGeo08		0.85	5.98	101	3.08	20.2	763	22.9
Target Range - Lower Bound		0.64	4.93	90	2.44	17.50	708	18.1
Upper Bound		0.92	6.13	112	3.42	21.5	870	25.7
OGGeo08		1.42	5.05	83	3.21	17.50	7300	24.5
Target Range - Lower Bound		1.14	4.45	70	2.58	15.35	6500	19.5
Upper Bound		1.58	5.55	88	3.60	18.85	7950	27.5
OREAS 503b								
OREAS 503b								
Target Range - Lower Bound								
Upper Bound								
OREAS 905		0.11	2.44	6	0.57	7.45	63	46.4
Target Range - Lower Bound		0.06	2.08	4	0.44	6.32	58	39.9
Upper Bound		0.16	2.66	8	0.76	7.84	76	55.1
OREAS 920		0.16	2.10	27	0.59	19.55	111	24.4
Target Range - Lower Bound		0.07	1.89	23	<0.05	16.85	93	17.6
Upper Bound		0.18	2.42	30	0.10	20.7	119	25.0
OxJ111								
OxJ111								
Target Range - Lower Bound								
Upper Bound								
BLANKS								
BLANK								
BLANK								
BLANK								
Target Range - Lower Bound								
Upper Bound								
BLANK		<0.02	<0.05	<1	<0.05	<0.05	<2	<0.5
BLANK		<0.02	<0.05	<1	<0.05	<0.05	<2	<0.5
Target Range - Lower Bound		<0.02	<0.05	<1	<0.05	<0.05	<2	<0.5
Upper Bound		0.04	0.10	2	0.10	0.10	4	1.0



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 Account: CANORE

Project: Hemlo

QC CERTIFICATE OF ANALYSIS TM16181957

Sample Description	Method Analyte Units LOR	Au-AA23 Au ppm	ME-MS41 Ag ppm	ME-MS41 Al %	ME-MS41 As ppm	ME-MS41 Au ppm	ME-MS41 B ppm	ME-MS41 Ba ppm	ME-MS41 Be ppm	ME-MS41 Bi ppm	ME-MS41 Ca %	ME-MS41 Cd ppm	ME-MS41 Ce ppm	ME-MS41 Co ppm	ME-MS41 Cr ppm	ME-MS41 Cs ppm	
		0.005	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05	
DUPLICATES																	
ORIGINAL		0.015															
DUP		0.014															
Target Range - Lower Bound		0.009															
Upper Bound		0.020															
ORIGINAL		<0.005															
DUP		<0.005															
Target Range - Lower Bound		<0.005															
Upper Bound		0.010															
ORIGINAL		0.410															
DUP		0.414															
Target Range - Lower Bound		0.386															
Upper Bound		0.438															
ORIGINAL			0.25	3.57	2.4	<0.2	<10	10	0.10	1.27	0.39	0.21	31.5	25.1	62	0.27	
DUP			0.25	3.54	2.0	<0.2	<10	10	0.09	1.22	0.40	0.21	29.8	25.3	62	0.26	
Target Range - Lower Bound			0.23	3.37	2.0	<0.2	<10	<10	<0.05	1.17	0.37	0.19	29.1	23.8	58	0.20	
Upper Bound			0.27	3.74	2.4	0.4	20	20	0.10	1.32	0.42	0.23	32.2	26.6	66	0.33	
ORIGINAL		<0.005															
DUP		0.005															
Target Range - Lower Bound		<0.005															
Upper Bound		0.010															
ORIGINAL		0.014															
DUP		0.013															
Target Range - Lower Bound		0.008															
Upper Bound		0.019															
S475403		<0.005															
DUP		<0.005															
Target Range - Lower Bound		<0.005															
Upper Bound		0.010															
S475385			0.05	1.57	0.4	<0.2	<10	60	0.42	0.03	1.27	0.06	50.2	16.7	28	0.97	
DUP			0.05	1.62	0.4	<0.2	<10	60	0.43	0.03	1.32	0.06	49.7	16.4	29	0.95	
Target Range - Lower Bound			0.04	1.51	0.3	<0.2	<10	50	0.35	0.02	1.22	0.05	47.4	15.6	26	0.86	
Upper Bound			0.06	1.68	0.5	0.4	20	70	0.50	0.04	1.37	0.07	52.5	17.5	31	1.06	



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QC CERTIFICATE OF ANALYSIS TM16181957

Sample Description	Method Analyte Units LOR	ME-MS41 Cu ppm	ME-MS41 Fe %	ME-MS41 Ga ppm	ME-MS41 Ge ppm	ME-MS41 Hf ppm	ME-MS41 Hg ppm	ME-MS41 In ppm	ME-MS41 K %	ME-MS41 La ppm	ME-MS41 Li ppm	ME-MS41 Mg %	ME-MS41 Mn ppm	ME-MS41 Mo ppm	ME-MS41 Na %	ME-MS41 Nb ppm
		0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05
ORIGINAL DUP Target Range - Lower Bound Upper Bound	DUPLICATES															
ORIGINAL DUP Target Range - Lower Bound Upper Bound																
ORIGINAL DUP Target Range - Lower Bound Upper Bound																
ORIGINAL DUP Target Range - Lower Bound Upper Bound		430	14.85	16.60	0.18	0.29	0.01	0.093	0.08	17.6	10.2	1.85	951	1.74	0.10	0.27
		420	14.70	16.35	0.19	0.28	<0.01	0.090	0.08	16.9	10.1	1.84	960	1.71	0.10	0.28
		410	14.05	15.60	0.13	0.25	<0.01	0.082	0.07	16.2	9.5	1.74	903	1.59	0.09	0.21
		440	15.50	17.35	0.24	0.32	0.02	0.101	0.09	18.3	10.8	1.95	1010	1.86	0.12	0.34
ORIGINAL DUP Target Range - Lower Bound Upper Bound																
ORIGINAL DUP Target Range - Lower Bound Upper Bound																
S475403 DUP Target Range - Lower Bound Upper Bound																
S475385 DUP Target Range - Lower Bound Upper Bound		66.7	4.29	10.80	0.14	0.94	<0.01	0.014	0.11	23.8	18.5	0.83	358	0.52	0.08	0.32
		66.0	4.38	11.00	0.13	0.63	<0.01	0.014	0.12	23.3	19.0	0.86	366	0.52	0.09	0.31
		63.8	4.11	10.30	0.08	0.73	<0.01	0.008	0.10	22.2	17.7	0.79	339	0.44	0.07	0.25
		68.9	4.56	11.50	0.19	0.84	0.02	0.020	0.13	24.9	19.8	0.90	385	0.60	0.10	0.38

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Project: Hemlo

QC CERTIFICATE OF ANALYSIS TM16181957

Sample Description	Method Analyte Units LOR	ME-MS41 Ni ppm	ME-MS41 P ppm	ME-MS41 Pb ppm	ME-MS41 Rb ppm	ME-MS41 Re ppm	ME-MS41 S %	ME-MS41 Sb ppm	ME-MS41 Sc ppm	ME-MS41 Se ppm	ME-MS41 Sn ppm	ME-MS41 Sr ppm	ME-MS41 Ta ppm	ME-MS41 Te ppm	ME-MS41 Th ppm	ME-MS41 Ti %
		0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005
ORIGINAL DUP		DUPLICATES														
Target Range - Lower Bound																
Target Range - Upper Bound																
ORIGINAL DUP																
Target Range - Lower Bound																
Target Range - Upper Bound																
ORIGINAL DUP																
Target Range - Lower Bound																
Target Range - Upper Bound																
ORIGINAL DUP		61.9	490	45.6	2.0	0.009	3.80	0.48	6.0	6.4	1.2	29.5	0.01	0.62	14.1	0.110
DUP		62.2	480	43.5	2.0	0.008	3.76	0.44	6.2	6.2	1.2	29.5	0.01	0.58	13.4	0.115
Target Range - Lower Bound		58.7	450	42.1	1.8	0.007	3.58	0.38	5.7	5.8	0.9	27.8	<0.01	0.56	12.9	0.102
Upper Bound		65.4	520	47.0	2.2	0.010	3.98	0.54	6.5	6.8	1.5	31.2	0.02	0.64	14.6	0.123
ORIGINAL DUP																
Target Range - Lower Bound																
Target Range - Upper Bound																
ORIGINAL DUP																
Target Range - Lower Bound																
Target Range - Upper Bound																
S475403 DUP																
Target Range - Lower Bound																
Target Range - Upper Bound																
S475385 DUP		12.7	1050	7.4	10.8	0.001	0.05	<0.05	2.9	0.9	0.9	36.7	<0.01	0.01	4.1	0.325
DUP		12.5	1060	7.4	10.7	0.002	0.05	<0.05	3.0	0.8	0.9	37.7	<0.01	0.01	4.1	0.333
Target Range - Lower Bound		11.8	990	6.8	10.1	<0.001	0.04	<0.05	2.7	0.6	0.7	35.1	<0.01	<0.01	3.7	0.308
Upper Bound		13.4	1120	8.0	11.4	0.002	0.06	0.10	3.2	1.1	1.1	39.3	0.02	0.02	4.5	0.350

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 Account: CANORE

Project: Hemlo

QC CERTIFICATE OF ANALYSIS TM16181957

Sample Description	Method Analyte Units LOR	ME-MS41 Tl ppm 0.02	ME-MS41 U ppm 0.05	ME-MS41 V ppm 1	ME-MS41 W ppm 0.05	ME-MS41 Y ppm 0.05	ME-MS41 Zn ppm 2	ME-MS41 Zr ppm 0.5
ORIGINAL DUP Target Range - Lower Bound Upper Bound	DUPLICATES							
ORIGINAL DUP Target Range - Lower Bound Upper Bound								
ORIGINAL DUP Target Range - Lower Bound Upper Bound								
ORIGINAL DUP Target Range - Lower Bound Upper Bound	0.04 0.04 <0.02 0.06	2.93 2.83 2.69 3.07	109 109 103 115	0.05 <0.05 0.10	10.00 10.05 9.47 10.60	192 192 180 204	12.0 12.1 10.6 13.5	
ORIGINAL DUP Target Range - Lower Bound Upper Bound								
ORIGINAL DUP Target Range - Lower Bound Upper Bound								
S475403 DUP Target Range - Lower Bound Upper Bound								
S475385 DUP Target Range - Lower Bound Upper Bound	0.09 0.09 0.06 0.12	0.66 0.65 0.57 0.74	121 123 115 129	0.14 0.12 0.07 0.19	20.3 19.95 19.05 21.2	67 69 63 73	42.4 32.3 34.0 40.7	



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Sample Description	Method Analyte Units LOR	Au-AA23 Au ppm 0.005	ME-MS41 Ag ppm 0.01	ME-MS41 Al % 0.01	ME-MS41 As ppm 0.1	ME-MS41 Au ppm 0.2	ME-MS41 B ppm 10	ME-MS41 Ba ppm 10	ME-MS41 Be ppm 0.05	ME-MS41 Bi ppm 0.01	ME-MS41 Ca % 0.01	ME-MS41 Cd ppm 0.01	ME-MS41 Ce ppm 0.02	ME-MS41 Co ppm 0.1	ME-MS41 Cr ppm 1	ME-MS41 Cs ppm 0.05
DUPLICATES																
ORIGINAL		0.744														
DUP		0.742														
Target Range - Lower Bound		0.701														
Upper Bound		0.785														
ORIGINAL		0.369														
DUP		0.356														
Target Range - Lower Bound		0.339														
Upper Bound		0.386														

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QC CERTIFICATE OF ANALYSIS TM16181957

Sample Description	Method	MS41	MS41	MS41	MS41	MS41	MS41	MS41	MS41	MS41	MS41	MS41	MS41	MS41	MS41	
	Analyte	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05
ORIGINAL DUP Target Range - Lower Bound Upper Bound	DUPLICATES															
ORIGINAL DUP Target Range - Lower Bound Upper Bound																

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Sample Description	Method	MS41	MS41	MS41	MS41	MS41	MS41	MS41	MS41	MS41	MS41	MS41	MS41	MS41	MS41	
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005
ORIGINAL DUP Target Range - Lower Bound Upper Bound	DUPLICATES															
ORIGINAL DUP Target Range - Lower Bound Upper Bound																

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Sample Description	Method Analyte Units LOR	ME-MS41 Tl ppm 0.02	ME-MS41 U ppm 0.05	ME-MS41 V ppm 1	ME-MS41 W ppm 0.05	ME-MS41 Y ppm 0.05	ME-MS41 Zn ppm 2	ME-MS41 Zr ppm 0.5
ORIGINAL DUP Target Range - Lower Bound Upper Bound		DUPLICATES						
ORIGINAL DUP Target Range - Lower Bound Upper Bound								



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QC CERTIFICATE OF ANALYSIS TM16181957

CERTIFICATE COMMENTS	
	ANALYTICAL COMMENTS
Applies to Method:	Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g). ME-MS41
	LABORATORY ADDRESSES
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. Au-AA23 ME-MS41
Applies to Method:	Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada. CRU-31 CRU-QC LOG-22 PUL-31 PUL-QC SPL-21 WEI-21



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QC CERTIFICATE TM16181959

Project: Hemlo
 P.O. No.: BM004
 This report is for 13 Rock samples submitted to our lab in Timmins, ON, Canada on 24-OCT-2016.
 The following have access to data associated with this certificate:

JOHN HARVEY GORDON MCKINNON	BRUCE MACKIE CANADIAN OREBODIES WEBTRIEVE	BRUCE MACLACHLAN
--------------------------------	--	------------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	
ME-MS41	Ultra Trace Aqua Regia ICP-MS	
ME-XRF26	Whole Rock By Fusion/XRF	XRF
OA-GRA05x	LOI for XRF	WST-SEQ
Au-AA23	Au 30g FA-AA finish	AAS

To: CANADIAN OREBODIES INC.
 ATTN: BRUCE MACLACHLAN
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 
 Colin Ramshaw, Vancouver Laboratory Manager



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Sample Description	Method Analyte Units LOR	Au-AA23 Au ppm	ME-MS41 Ag ppm	ME-MS41 Al %	ME-MS41 As ppm	ME-MS41 Au ppm	ME-MS41 B ppm	ME-MS41 Ba ppm	ME-MS41 Be ppm	ME-MS41 Bi ppm	ME-MS41 Ca %	ME-MS41 Cd ppm	ME-MS41 Ce ppm	ME-MS41 Co ppm	ME-MS41 Cr ppm	ME-MS41 Cs ppm
STANDARDS																
BP-13		0.367														
Target Range - Lower Bound		0.332														
Upper Bound		0.384														
G909-4		7.44														
Target Range - Lower Bound		7.06														
Upper Bound		7.98														
MGeo08		4.45	2.61	32.9	<0.2	<10	440	0.90	0.71	1.07	2.33	76.1	19.8	90	10.90	
Target Range - Lower Bound		4.00	2.44	29.6	<0.2	<10	370	0.67	0.60	1.00	2.01	66.2	17.0	81	9.40	
Upper Bound		4.92	3.00	36.4	0.4	20	530	0.95	0.76	1.24	2.47	81.0	21.0	102	11.60	
OREAS 905		0.53	0.77	31.9	0.4	<10	240	0.91	6.03	0.33	0.37	82.8	14.5	16	1.32	
Target Range - Lower Bound		0.45	0.73	28.4	<0.2	<10	200	0.78	5.16	0.29	0.30	72.0	12.4	15	1.14	
Upper Bound		0.58	0.91	35.0	0.8	20	300	1.08	6.32	0.38	0.38	88.0	15.4	20	1.50	
SARM-43																
Target Range - Lower Bound																
Upper Bound																
SCH-1																
Target Range - Lower Bound																
Upper Bound																
SRM88B																
Target Range - Lower Bound																
Upper Bound																
SY-4																
Target Range - Lower Bound																
Upper Bound																
BLANKS																
BLANK		<0.005														
Target Range - Lower Bound		<0.005														
Upper Bound		0.010														
BLANK		<0.01	<0.01	<0.1	<0.2	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05	
Target Range - Lower Bound		<0.01	<0.01	<0.1	<0.2	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05	
Upper Bound		0.02	0.02	0.2	0.4	20	20	0.10	0.02	0.02	0.02	0.04	0.2	2	0.10	
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
Target Range - Lower Bound																
Upper Bound																



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Sample Description	Method Analyte Units LOR	ME-MS41 Cu ppm	ME-MS41 Fe %	ME-MS41 Ga ppm	ME-MS41 Ge ppm	ME-MS41 Hf ppm	ME-MS41 Hg ppm	ME-MS41 In ppm	ME-MS41 K %	ME-MS41 La ppm	ME-MS41 Li ppm	ME-MS41 Mg %	ME-MS41 Mn ppm	ME-MS41 Mo ppm	ME-MS41 Na %	ME-MS41 Nb ppm
STANDARDS																
BP-13																
Target Range - Lower Bound																
Upper Bound																
G909-4																
Target Range - Lower Bound																
Upper Bound																
MRCGeo08		617	3.61	10.45	0.16	0.80	0.05	0.161	1.26	37.7	35.3	1.14	405	15.40	0.33	0.98
Target Range - Lower Bound		587	3.22	8.73	0.07	0.64	0.04	0.137	1.12	33.2	29.6	1.03	378	13.10	0.30	0.79
Upper Bound		675	3.96	10.80	0.29	0.83	0.10	0.179	1.40	41.0	36.4	1.29	473	16.10	0.39	1.09
OREAS 905		1510	3.38	6.52	0.10	1.21	0.01	0.612	0.30	42.1	4.4	0.14	332	3.28	0.09	0.31
Target Range - Lower Bound		1450	3.14	5.74	<0.05	1.08	<0.01	0.517	0.28	35.6	4.3	0.13	310	2.65	0.07	0.19
Upper Bound		1670	3.86	7.12	0.10	1.36	0.02	0.643	0.36	44.0	5.5	0.19	390	3.35	0.12	0.43
SARM-43																
Target Range - Lower Bound																
Upper Bound																
SCH-1																
Target Range - Lower Bound																
Upper Bound																
SRM88B																
Target Range - Lower Bound																
Upper Bound																
SY-4																
Target Range - Lower Bound																
Upper Bound																
BLANKS																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<0.2	<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	<0.05
Target Range - Lower Bound		<0.2	<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	<0.05
Upper Bound		0.4	0.02	0.10	0.10	0.04	0.02	0.010	0.02	0.4	0.2	0.02	10	0.10	0.02	0.10
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
Target Range - Lower Bound																
Upper Bound																

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Sample Description	Method Analyte Units LOR	ME-MS41 Ni ppm	ME-MS41 P ppm	ME-MS41 Pb ppm	ME-MS41 Rb ppm	ME-MS41 Re ppm	ME-MS41 S %	ME-MS41 Sb ppm	ME-MS41 Sc ppm	ME-MS41 Se ppm	ME-MS41 Sn ppm	ME-MS41 Sr ppm	ME-MS41 Ta ppm	ME-MS41 Te ppm	ME-MS41 Th ppm	ME-MS41 Ti %
STANDARDS																
BP-13																
Target Range - Lower Bound																
Upper Bound																
G909-4																
Target Range - Lower Bound																
Upper Bound																
MGeo08		704	1050	1070	149.5	0.008	0.31	3.15	8.0	1.5	3.7	82.4	0.02	0.02	22.7	0.376
Target Range - Lower Bound		622	900	959	132.0	0.006	0.27	2.80	6.7	0.9	2.8	72.1	<0.01	<0.01	19.1	0.338
Upper Bound		760	1130	1175	162.0	0.010	0.35	3.90	8.4	1.9	4.0	88.5	0.03	0.04	23.7	0.424
OREAS 905		8.8	240	16.5	18.8	<0.001	0.07	1.03	1.8	2.8	1.4	13.0	<0.01	0.08	9.5	0.020
Target Range - Lower Bound		7.8		15.2	17.3	<0.001	0.04	0.90	1.6	1.8	0.8	10.9	<0.01	0.04	7.8	0.008
Upper Bound		10.0		19.0	21.3	0.002	0.09	1.34	2.2	2.8	1.7	13.7	0.02	0.09	10.0	0.030
SARM-43																
Target Range - Lower Bound																
Upper Bound																
SCH-1																
Target Range - Lower Bound																
Upper Bound																
SRM88B																
Target Range - Lower Bound																
Upper Bound																
SY-4																
Target Range - Lower Bound																
Upper Bound																
BLANKS																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<0.2	<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005
Target Range - Lower Bound		<0.2	<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005
Upper Bound		0.4	20	0.4	0.2	0.002	0.02	0.10	0.2	0.4	0.4	0.4	0.02	0.02	0.4	0.010
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
Target Range - Lower Bound																
Upper Bound																

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Sample Description	Method Analyte Units LOR	ME-MS41 Tl ppm	ME-MS41 U ppm	ME-MS41 V ppm	ME-MS41 W ppm	ME-MS41 Y ppm	ME-MS41 Zn ppm	ME-MS41 Zr ppm	ME-XRF26 Al2O3 %	ME-XRF26 BaO %	ME-XRF26 CaO %	ME-XRF26 Cr2O3 %	ME-XRF26 Fe2O3 %	ME-XRF26 K2O %	ME-XRF26 MgO %	ME-XRF26 MnO %
STANDARDS																
BP-13																
Target Range - Lower Bound																
Upper Bound																
G909-4																
Target Range - Lower Bound																
Upper Bound																
MRCGeo08		0.85	5.98	101	3.08	20.2	763	22.9								
Target Range - Lower Bound		0.64	4.93	90	2.44	17.50	708	18.1								
Upper Bound		0.92	6.13	112	3.42	21.5	870	25.7								
OREAS 905		0.11	2.44	6	0.57	7.45	63	46.4								
Target Range - Lower Bound		0.06	2.08	4	0.44	6.32	58	39.9								
Upper Bound		0.16	2.66	8	0.76	7.84	76	55.1								
SARM-43																
Target Range - Lower Bound																
Upper Bound																
SCH-1																
Target Range - Lower Bound																
Upper Bound																
SRM88B									0.33	<0.01	30.0	<0.01	0.27	0.11	21.0	0.02
Target Range - Lower Bound									0.30	<0.01	29.1	<0.01	0.25	0.07	20.4	<0.01
Upper Bound									0.37	0.02	30.8	0.02	0.31	0.13	21.7	0.04
SY-4									20.78	0.04	7.93	<0.01	6.25	1.64	0.55	0.11
Target Range - Lower Bound									20.07	<0.01	7.74	<0.01	5.95	1.56	0.49	0.08
Upper Bound									21.31	0.06	8.36	0.02	6.47	1.76	0.59	0.13
BLANKS																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<0.02	<0.05	<1	<0.05	<0.05	<2	<0.5								
Target Range - Lower Bound		<0.02	<0.05	<1	<0.05	<0.05	<2	<0.5								
Upper Bound		0.04	0.10	2	0.10	0.10	4	1.0								
BLANK									<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Target Range - Lower Bound									<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Upper Bound									0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
BLANK																
Target Range - Lower Bound																
Upper Bound																



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	Method Analyte Units LOR	ME-XRF26 Na2O %	ME-XRF26 P2O5 %	ME-XRF26 SO3 %	ME-XRF26 SiO2 %	ME-XRF26 SrO %	ME-XRF26 TiO2 %	ME-XRF26 Total %	OA-GRA05x LOI 1000 %
STANDARDS		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
BP-13									
Target Range - Lower Bound									
Upper Bound									
G909-4									
Target Range - Lower Bound									
Upper Bound									
MRCGeo08									
Target Range - Lower Bound									
Upper Bound									
OREAS 905									
Target Range - Lower Bound									
Upper Bound									
SARM-43									47.71
Target Range - Lower Bound									45.67
Upper Bound									50.49
SCH-1									2.69
Target Range - Lower Bound									2.56
Upper Bound									2.85
SRM88B		0.04	0.01	0.26	1.14	<0.01	0.02	99.92	
Target Range - Lower Bound		<0.01	<0.01	0.22	1.05	<0.01	<0.01	97.87	
Upper Bound		0.05	0.02	0.30	1.21	0.03	0.04	101.90	
SY-4		7.14	0.12	0.05	49.82	0.13	0.29	99.50	
Target Range - Lower Bound		6.81	0.10	0.02	48.70	0.11	0.25	97.31	
Upper Bound		7.39	0.16	0.06	51.10	0.17	0.32	101.30	
BLANKS									
BLANK									
Target Range - Lower Bound									
Upper Bound									
BLANK									
Target Range - Lower Bound									
Upper Bound									
BLANK		<0.01	<0.01	0.01	99.95	<0.01	0.01	99.97	
Target Range - Lower Bound		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Upper Bound		0.02	0.02	0.02	0.02	0.02	0.02	0.02	
BLANK									0.01
Target Range - Lower Bound									<0.01
Upper Bound									0.02

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Sample Description	Method Analyte Units LOR	Au-AA23 Au ppm 0.005	ME-MS41 Ag ppm 0.01	ME-MS41 Al % 0.01	ME-MS41 As ppm 0.1	ME-MS41 Au ppm 0.2	ME-MS41 B ppm 10	ME-MS41 Ba ppm 10	ME-MS41 Be ppm 0.05	ME-MS41 Bi ppm 0.01	ME-MS41 Ca % 0.01	ME-MS41 Cd ppm 0.01	ME-MS41 Ce ppm 0.02	ME-MS41 Co ppm 0.1	ME-MS41 Cr ppm 1	ME-MS41 Cs ppm 0.05
DUPLICATES																
S475385			0.05	1.57	0.4	<0.2	<10	60	0.42	0.03	1.27	0.06	50.2	16.7	28	0.97
DUP			0.05	1.62	0.4	<0.2	<10	60	0.43	0.03	1.32	0.06	49.7	16.4	29	0.95
Target Range - Lower Bound			0.04	1.51	0.3	<0.2	<10	50	0.35	0.02	1.22	0.05	47.4	15.6	26	0.86
Upper Bound			0.06	1.68	0.5	0.4	20	70	0.50	0.04	1.37	0.07	52.5	17.5	31	1.06
S475418																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL		0.744														
DUP		0.742														
Target Range - Lower Bound		0.701														
Upper Bound		0.785														
ORIGINAL		0.369														
DUP		0.356														
Target Range - Lower Bound		0.339														
Upper Bound		0.386														

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Sample Description	Method Analyte Units LOR	ME-MS41 Cu ppm	ME-MS41 Fe %	ME-MS41 Ga ppm	ME-MS41 Ge ppm	ME-MS41 Hf ppm	ME-MS41 Hg ppm	ME-MS41 In ppm	ME-MS41 K %	ME-MS41 La ppm	ME-MS41 Li ppm	ME-MS41 Mg %	ME-MS41 Mn ppm	ME-MS41 Mo ppm	ME-MS41 Na %	ME-MS41 Nb ppm
		0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05
DUPLICATES																
S475385		66.7	4.29	10.80	0.14	0.94	<0.01	0.014	0.11	23.8	18.5	0.83	358	0.52	0.08	0.32
DUP		66.0	4.38	11.00	0.13	0.63	<0.01	0.014	0.12	23.3	19.0	0.86	366	0.52	0.09	0.31
Target Range - Lower Bound		63.8	4.11	10.30	0.08	0.73	<0.01	0.008	0.10	22.2	17.7	0.79	339	0.44	0.07	0.25
Upper Bound		68.9	4.56	11.50	0.19	0.84	0.02	0.020	0.13	24.9	19.8	0.90	385	0.60	0.10	0.38
S475418																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %
		0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.005	
DUPLICATES																
S475385		12.7	1050	7.4	10.8	0.001	0.05	<0.05	2.9	0.9	0.9	36.7	<0.01	0.01	4.1	0.325
DUP		12.5	1060	7.4	10.7	0.002	0.05	<0.05	3.0	0.8	0.9	37.7	<0.01	0.01	4.1	0.333
Target Range - Lower Bound		11.8	990	6.8	10.1	<0.001	0.04	<0.05	2.7	0.6	0.7	35.1	<0.01	<0.01	3.7	0.308
Upper Bound		13.4	1120	8.0	11.4	0.002	0.06	0.10	3.2	1.1	1.1	39.3	0.02	0.02	4.5	0.350
S475418																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

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Sample Description	Method Analyte Units LOR	ME-MS41 TI ppm	ME-MS41 U ppm	ME-MS41 V ppm	ME-MS41 W ppm	ME-MS41 Y ppm	ME-MS41 Zn ppm	ME-MS41 Zr ppm	ME-XRF26 Al2O3 %	ME-XRF26 BaO %	ME-XRF26 CaO %	ME-XRF26 Cr2O3 %	ME-XRF26 Fe2O3 %	ME-XRF26 K2O %	ME-XRF26 MgO %	ME-XRF26 MnO %
		0.02	0.05	1	0.05	0.05	2	0.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
DUPLICATES																
S475385		0.09	0.66	121	0.14	20.3	67	42.4								
DUP		0.09	0.65	123	0.12	19.95	69	32.3								
Target Range - Lower Bound		0.06	0.57	115	0.07	19.05	63	34.0								
Upper Bound		0.12	0.74	129	0.19	21.2	73	40.7								
S475418									14.30	0.01	12.20	0.07	12.51	0.22	8.01	0.34
DUP									14.24	0.01	12.15	0.06	12.45	0.23	8.03	0.34
Target Range - Lower Bound									14.05	<0.01	12.00	0.05	12.28	0.21	7.89	0.32
Upper Bound									14.49	0.02	12.35	0.08	12.68	0.24	8.15	0.36
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

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Sample Description	Method Analyte Units LOR	ME-XRF26 Na2O %	ME-XRF26 P2O5 %	ME-XRF26 SO3 %	ME-XRF26 SiO2 %	ME-XRF26 SrO %	ME-XRF26 TiO2 %	ME-XRF26 Total %	OA-GRA05x LOI 1000 %
		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
DUPLICATES									
S475385 DUP Target Range - Lower Bound Upper Bound									
S475418 DUP Target Range - Lower Bound Upper Bound		1.26 1.26 1.22 1.30	0.04 0.04 0.03 0.05	0.33 0.33 0.30 0.36	49.16 49.05 48.36 49.85	0.01 0.01 <0.01 0.02	0.60 0.60 0.58 0.63	99.85 99.59 98.71 100.75	0.65 0.67 0.63 0.69
ORIGINAL DUP Target Range - Lower Bound Upper Bound									
ORIGINAL DUP Target Range - Lower Bound Upper Bound									

***** See Appendix Page for comments regarding this certificate *****



ALS Canada Ltd.
 2103 Dollarton Hwy
 North Vancouver BC V7H 0A7
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
 www.alsglobal.com

To: **CANADIAN OREBODIES INC.**
301 - 141 ADELAIDE STREET WEST
TORONTO ON M5H 3L5

Page: 1
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 23-DEC-2016
 Account: CANORE

QC CERTIFICATE TM16222443

Project: Hemlo
 P.O. No.: BM005a
 This report is for 13 Rock samples submitted to our lab in Timmins, ON, Canada on 19-DEC-2016.
 The following have access to data associated with this certificate:

JOHN HARVEY GORDON MCKINNON	BRUCE MACKIE CANADIAN OREBODIES WEBTRIEVE	BRUCE MACLACHLAN
--------------------------------	--	------------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
PGM-ICP23	Pt, Pd, Au 30g FA ICP	ICP-AES

To: **CANADIAN OREBODIES INC.**
ATTN: BRUCE MACLACHLAN
301 - 141 ADELAIDE STREET WEST
TORONTO ON M5H 3L5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 
 Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
 Total # Pages: 3 (A)
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 Finalized Date: 23-DEC-2016
 Account: CANORE

Project: Hemlo

QC CERTIFICATE OF ANALYSIS TM16222443

Sample Description	Method Analyte Units LOR	PGM-ICP23 Au ppm	PGM-ICP23 Pt ppm	PGM-ICP23 Pd ppm
		0.001	0.005	0.001
STANDARDS				
CDN-PGMS25		0.481	0.401	1.855
Target Range - Lower Bound		0.453	0.371	1.720
Upper Bound		0.513	0.429	1.940
G909-4		7.48	<0.005	<0.001
Target Range - Lower Bound		7.07		
Upper Bound		7.97		
GAu-12a		0.019	<0.005	<0.001
Target Range - Lower Bound		0.019	<0.005	<0.001
Upper Bound		0.023	0.010	0.002
LEA-16		0.505	<0.005	<0.001
Target Range - Lower Bound		0.470		
Upper Bound		0.532		
OREAS-904		0.044	<0.005	0.001
Target Range - Lower Bound		0.041	<0.005	<0.001
Upper Bound		0.049	0.011	0.003
OxJ120		2.33	<0.005	0.001
Target Range - Lower Bound		2.22		
Upper Bound		2.51		
PD1		0.539	0.455	0.545
Target Range - Lower Bound		0.508	0.424	0.528
Upper Bound		0.576	0.488	0.598
PK2		4.88	4.72	5.95
Target Range - Lower Bound		4.50	4.46	5.56
Upper Bound		5.07	5.04	6.27
WCM-PG124		0.347	0.085	0.036
Target Range - Lower Bound		0.301	0.079	0.034
Upper Bound		0.341	0.101	0.040
BLANKS				
BLANK		<0.001	<0.005	<0.001
BLANK		<0.001	<0.005	<0.001
Target Range - Lower Bound		<0.001	<0.005	<0.001
Upper Bound		0.002	0.010	0.002



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Page: 3 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 23-DEC-2016
 Account: CANORE

Project: Hemlo

QC CERTIFICATE OF ANALYSIS TM16222443

Sample Description	Method Analyte Units LOR	PGM-ICP23 Au ppm 0.001	PGM-ICP23 Pt ppm 0.005	PGM-ICP23 Pd ppm 0.001
DUPLICATES				
ORIGINAL		<0.001	<0.005	<0.001
DUP		<0.001	<0.005	<0.001
Target Range - Lower Bound		<0.001	<0.005	<0.001
Upper Bound		0.002	0.010	0.002
ORIGINAL		0.050	<0.005	0.002
DUP		0.050	<0.005	0.001
Target Range - Lower Bound		0.047	<0.005	<0.001
Upper Bound		0.054	0.010	0.002
ORIGINAL		0.015	0.006	2.38
DUP		0.012	0.007	2.36
Target Range - Lower Bound		0.012	<0.005	2.25
Upper Bound		0.015	0.010	2.49
ORIGINAL		0.001	<0.005	0.154
DUP		0.001	<0.005	0.153
Target Range - Lower Bound		<0.001	<0.005	0.145
Upper Bound		0.002	0.010	0.162



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 23-DEC-2016
Account: CANORE

Project: Hemlo

QC CERTIFICATE OF ANALYSIS TM16222443

CERTIFICATE COMMENTS	
Applies to Method:	<p style="text-align: center;">LABORATORY ADDRESSES</p> <p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. FND-02 PGM-ICP23</p>

APPENDIX III

Point of Interest (Table 2)

Table 2		Point of Interest				
ID	Easting	Northing	Date	Photo #	Comments	
POI_062	556515.0	5402552.0	16-Oct-16		276/75S granite outcrop	
POI_063	556613.0	5402387.0	16-Oct-16		110 deg to 130 deg fractures in pink granite outcrop. Hemlo fault?	
POI_072	559277.0	5403744.0	19-Oct-16		Pink granite outcrop. Fractures at 118 deg, 128 deg and 148 deg. Foliation at 018/48W	
POI_073	558862.0	5403125.0	19-Oct-16		Pink granite outcrop. Weakly magnetic. Coarse grained. 004 strike. Undetermined dip.	
POI_074	558771.0	5403095.0	19-Oct-16		Pink granite outcrop in small stream. Foliation is North-South. Undetermined dip.	
POI_075	558770.0	5403110.0	19-Oct-16		North-South claim line on new claims.	
POI_076	558782.0	5403380.0	19-Oct-16		Claim post / post location on new claims. Claim post reads Ontario 1, 4279896. Red colored post tag reads 1200 M 'N' of #3. Claim No. 4279896	
POI_077	558771.0	5403421.0	19-Oct-16		Pink granite outcrop with multiple fractures at 045 degrees.	
POI_078	558767.0	5403494.0	19-Oct-16		Gabbro outcrop. Extensive region of outcrop observed in last half hour of the day here.	
POI_079	558779.0	5403511.0	19-Oct-16		Granite outcrop	
POI_080	558777.0	5403803.0	19-Oct-16		Claim post on new claims. #4 post, claim 4279895	
POI_081	567836.0	5397980.0	20-Oct-16		Tashota and Canadian Orebodies claim line observed.	
POI_082	567846.0	5398004.0	20-Oct-16		Silicified metased outcrop. Foliation: 255/80SE	
POI_083	567549.0	5398151.0	20-Oct-16		Granite outcrop / possibly it is a dyke. Foliated, fine grained. Light pink / grey.	
POI_084	567813.0	5397791.0	20-Oct-16		North/South line, east boundary of the new Gowan claim.	
POI_085	565829.0	5397989.0	21-Oct-16		West boundary claim line (N-S line) of new Gowan claim.	
POI_086	565827.0	5397986.0	21-Oct-16	POI_086_OC_NE	Pillow basalt in outcrop. Situated in creek. 3x1m in size. Very well defined pillows.	
POI_087	565815.0	5397840.0	21-Oct-16		West boundary claim line (N-S line) of new Gowan claim.	
POI_088	565746.0	5380052.0	21-Oct-16		Granite outcrop. Qtz(50%), biotite(35%), plag(15%), medium grained, foliation at 090/85N	
POI_089	565812.0	5398094.0	21-Oct-16		West boundary claim line (N-S line) of new Gowan claim.	
POI_090	565894.0	5398070.0	21-Oct-16		Basalt outcrop. No alteration. Foliation at 085/85N	
POI_091	565705.0	5397994.0	21-Oct-16		Granite outcrop	
POI_092	565710.0	5397977.0	21-Oct-16	POI_092_Contact_S	Basalt / Granite contact. Hard boundary. Basalt on the east. Granite on the west. Contact strike at 120 degrees. Rep sample taken (S475422)	
POI_093	567821.0	5397925.0	22-Oct-16		East boundary of Gowan claim	
POI_094	567552.0	5398461.0	22-Oct-16		Granite outcrop	
POI_095	567527.0	5398480.0	22-Oct-16		North boundary of Gowan claim	
POI_096	567428.0	5398450.0	22-Oct-16		Line post reads 1600 M E of #4, Claim No. 4279900	
POI_097	567011.0	5398453.0	22-Oct-16		Line post reads 1200 M E of #4, Claim No. 4279900	
POI_098	566964.0	5398437.0	22-Oct-16	POI_098_OC_SE	Granite outcrop in stream along Hemlo Fault. Fractures at 140 degrees.	

APPENDIX IV

ALS Labs Analytical Description

Gold in Rocks, Drill Core and Chip Samples

Selection of the best fire assay method for the accurate determination of total gold content in a sample is highly dependent on the nature of the sample matrix, the grain size and distribution of the gold and the objective of the analytical result. ALS Geochemistry uses an optimal flux recipe and rigorous quality control program to handle all but the highest concentrations of problem materials including chromite, base metal sulfides and oxides, selenides, and tellurides. With prior knowledge of the presence of these minerals and metals, ALS Geochemistry can further modify the flux constituents to improve recoveries.

ANALYTE	RANGE (ppm) [*]	DESCRIPTION	CODE	PRICE PER SAMPLE (\$)
Trace Level				
Au	0.001-10	Au by fire assay and ICP-AES 30g nominal sample weight 50g nominal sample weight	Au-ICP21	16.70
			Au-ICP22	19.75
Au	0.005-10	Au by fire assay and AAS. 30g nominal sample weight 50g nominal sample weight	Au-AA23	16.05
			Au-AA24	19.10
Ore Grade				
Au	0.01-100	Au by fire assay and AAS. 30g nominal sample weight 50g nominal sample weight	Au-AA25	16.70
			Au-AA26	19.75
Au	0.05-1,000	Au by fire assay and gravimetric finish. 30g nominal sample weight 50g nominal sample weight	Au-GRA21	21.05
			Au-GRA22	25.30
Au Ag	0.05-1,000 5-10,000	Au and Ag by fire assay and gravimetric finish. 30g nominal sample weight 50g nominal sample weight	ME-GRA21	27.25
			ME-GRA22	31.55

^{*} 1 oz/ton = 34.2857ppm

When samples contain very high grade or coarse gold occurrences, the screen metallic procedure is recommended to help avoid over- or under-estimating gold grades. Custom method triggers can be set up for your project such that gold over a certain concentration will automatically be re-run using a higher-grade method, including screen metallics. Client services at ALS Geochemistry can help you customize a gold assay program to meet your project needs.

ANALYTE	RANGE (ppm) [*]	DESCRIPTION	CODE	PRICE PER SAMPLE (\$)
Au	0.05-1,000	1kg screen fire assay Screen to 100 microns. Duplicate assay on screen undersize. Assay of entire oversize fraction. 30g nominal sample weight 50g nominal sample weight	Au-SCR21**	55.65
			Au-SCR24**	61.75

^{*} 1 oz/ton = 34.2857ppm

** Other screen sizes may be available - please contact your local office for details.

Ultra Trace Level Methods - Four Acid Digestion for Drill Core and Rocks

Four acid digestion quantitatively dissolves nearly all minerals in the majority of geological materials. However, it may sometimes be necessary to use even stronger dissolution techniques such as fusions in order to achieve fully quantitative results for refractory minerals. These may include barite, rare earth oxides, columbite-tantalite, and tin and tungsten minerals.

Four acid digestion can also volatilize certain exploration pathfinder elements, in particular mercury. Mercury may be added to the package at a special price detailed below, or a custom suite of elements can be added using the single-element aqua regia method on the opposite page as well. Four acid digestions are not recommended for gold analysis; the fire assay methods described on page 12 may be paired with ME-MS61 for exploration purposes.

Minimum sample size is 1g.

48 Element Package by Four Acid and ICP-AES/ICP-MS

ANALYTES & RANGES (ppm)								CODE	PRICE PER SAMPLE (\$)
Ag	0.01-100	Cu	0.2-10,000	Na	0.01%-10%	Sr	0.2-10,000	ME-MS61	27.90
Al	0.01%-50%	Fe	0.01%-50%	Nb	0.1-500	Ta	0.05-100		
As	0.2-10,000	Ga	0.05-10,000	Ni	0.2-10,000	Te	0.05-500		
Ba	10-10,000	Ge	0.05-500	P	10-10,000	Th	0.2-10,000		
Be	0.05-1,000	Hf	0.1-500	Pb	0.5-10,000	Ti	0.005%-10%		
Bi	0.01-10,000	In	0.005-500	Rb	0.1-10,000	Tl	0.02-10,000		
Ca	0.01%-50%	K	0.01%-10%	Re	0.002-50	U	0.1-10,000		
Cd	0.02-1,000	La	0.5-10,000	S	0.01%-10%	V	1-10,000		
Ce	0.01-500	Li	0.2-10,000	Sb	0.05-10,000	W	0.1-10,000	ME-MS61m	37.75
Co	0.1-10,000	Mg	0.01%-50%	Sc	0.1-10,000	Y	0.1-500		
Cr	1-10,000	Mn	5-100,000	Se	1-1,000	Zn	2-10,000		
Cs	0.05-500	Mo	0.05-10,000	Sn	0.2-500	Zr	0.5-500		

Note: To include Hg by a separate procedure in the suite of elements above, please request ME-MS61m instead of ME-MS61.

A full suite of rare earth elements can be added to this package, keeping in mind that this data will represent the acid leachable portion of the rare earth elements only.

To include rare earth elements in the suite of elements above, please request ME-MS61r instead of ME-MS61.

ANALYTE	RANGE (ppm)	DESCRIPTION	CODE	PRICE PER SAMPLE (\$)
Trace Level				
Ag	0.2-100	Ag by aqua regia digestion and AAS.	Ag-AA45	6.35
Ag	0.5-100	Ag by HF-HNO ₃ -HClO ₄ digestion, HCl leach and AAS.	Ag-AA61	8.85
Note: See also multi-element methods that include Ag in the Targeted Exploration section (pages 20-23).				
Ore Grade				
Ag	1-1,500	Ag by aqua regia digestion, ICP-AES or AAS finish.	Ag-OG46 (Ag-AA46)	11.15
Ag	1-1,500	Ag by HF-HNO ₃ -HClO ₄ digestion with HCl leach, ICP-AES or AAS finish.	Ag-OG62 (Ag-AA62)	13.70
Ag	5-10,000	Ag by fire assay and gravimetric finish. 30g nominal sample weight 50g nominal sample weight	Ag-GRA21 Ag-GRA22	22.25 26.55
Au Ag	0.05-1,000 5-10,000	Au and Ag by fire assay and gravimetric finish. 30g nominal sample weight 50g nominal sample weight	ME-GRA21 ME-GRA22	27.25 31.55

Platinum, Palladium & Other Precious Metals

Platinum, palladium, rhodium and gold may be determined by standard lead oxide collection fire assay and ICP-MS or ICP-AES finish. For the full list of platinum group elements, nickel sulfide collection fire assay and neutron activation must be used for a quantitative analysis.

ANALYTE	RANGE (ppm)	DESCRIPTION	CODE	PRICE PER SAMPLE (\$)
Trace Level				
Pt Pd Au	0.0001-1 0.0001-1 0.001-1	Super trace Pt, Pd and Au by fire assay and ICP-MS finish. 30g nominal sample weight	PGM-MS23L	23.10
Pt Pd Au	0.0005-1 0.001-1 0.001-1	Pt, Pd and Au by fire assay and ICP-MS finish. 30g nominal sample weight 50g nominal sample weight	PGM-MS23 PGM-MS24	20.10 23.15
Rh	0.001-1	Rh by fire assay gold collection and ICP-MS 30g nominal sample weight	Rh-MS25	22.10
Intermediate Level				
Pt Pd Au	0.005-10 0.001-10 0.001-10	Pt, Pd and Au by fire assay and ICP-AES finish. 30g nominal sample weight 50g nominal sample weight	PGM-ICP23 PGM-ICP24	18.90 22.05
Pt Pd Ir Os Rh Ru Au	0.02-10 0.02-10 0.001-10 0.01-10 0.005-10 0.05-10 0.001-10	Pt, Pd, Ir, Os, Rh, Ru and Au by fire assay with nickel sulfide collection and neutron activation analysis. 30g nominal sample weight Note: Au is not quantitative by this method.	PGM-NAA26	By Quotation
Ore Grade				
Pt Pd Au	0.03-100 0.03-100 0.03-100	Pt, Pd and Au by fire assay and ICP-AES finish. 30g nominal sample weight	PGM-ICP27	22.90

APPENDIX V

Photos

Gowan from the Air



POI_086_OC_NE



POI_092_Contact_S



S475387_detail_sericitic



S475396_OC_W



S475397_OC_W



S475398_OC_NE



S475406_OC_S



S475408_OC_S



S475410_OC_S



S475411_OC_N



S475412_OC_E



S475428_ANG



S475430_OC_W



APPENDIX VI

List of Claims

Table 3 List of Claims		
Township / Area	Claim Number	Recording Date
COTTE	4279895	2016-Oct-28
COTTE	4279896	2016-Oct-28
COTTE	4279897	2016-Oct-28
COTTE	4279898	2016-Oct-28
ROUS LAKE AREA	4279900	2016-Oct-28