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BO Lake Kimberlite

Claim #241217 (Cell-41o03c131) 117552 (Cell-41o03c130),175147 (Cell-41o03c111) Maeck TWP

James Ralph

Location:

The claims are 10 km north of Seabrook Lake Carbonatite which has been prospected for rare earths and diamond potential in recent years.

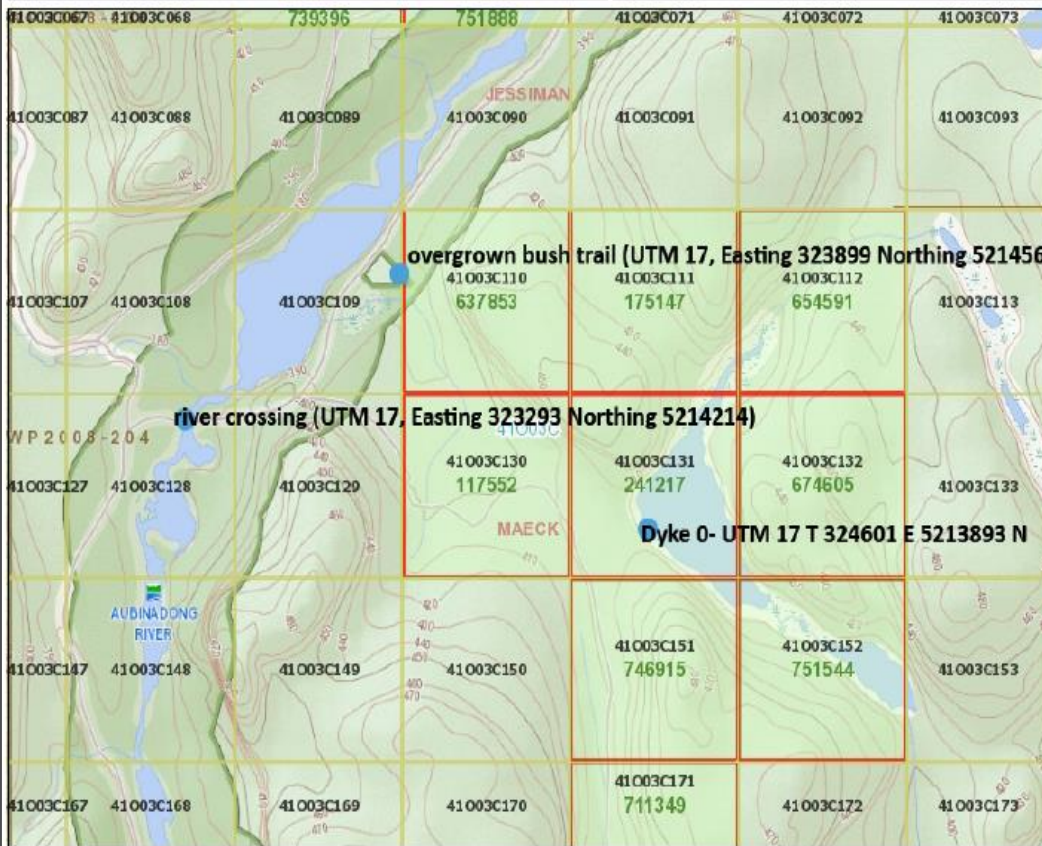
The granites on the claim and adjoining claims are intruded by a large number of lamprophyre and diabase dykes and possibly lamproite/kimberlite dykes.

The area is extremely rough and the logging stopped about 25 years ago. The east branch of the Abinadong river provides the main access to the area.

Access:

Access to claim is gained by taking Hwy 17 North from Sault Ste. Marie to Heyden in Aweres TWP. Then highway 556 through Ranger Lake, to the Aubinadong River. At Bailey Bridge take Domtor Rd (UTM 17 316297 Easting, 5196270 Northing) west 7 miles to Eas Branch of Abinadong River (UTM 17 Easting 316304 Northing 5206922) and proceed 7 miles North to a river crossing (UTM 17, Easting 323293 Northing 5214214). Sometimes River is low enough for an ATV to cross. If not take the boat which is tied up $\frac{3}{4}$ miles upriver (UTM 17 323630 Easting, 52214723), this boat can be access by vehicle. Take boat directly across river to camp. This is about a 4-hour trip. From camp I take an overgrown bush trail (UTM 17, Easting 323899 Northing 5214569) to claim about 1100m away to the Southeast to the location indicated on the map below UTM 17, Easting 324601 Northing 5213893, for the purpose of prospecting. Claim 241217 samples for 2 ultramafic dykes which show similar assays but quite a difference in structural appearance, suggesting the dykes were formed at a different time. These dikes which we will refer to as 1 dike (Dike 0) as they are right beside each other only separated by a wall. The claims are located 10 km,

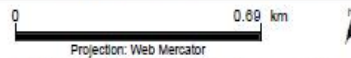
4 Samples were taken



Legend

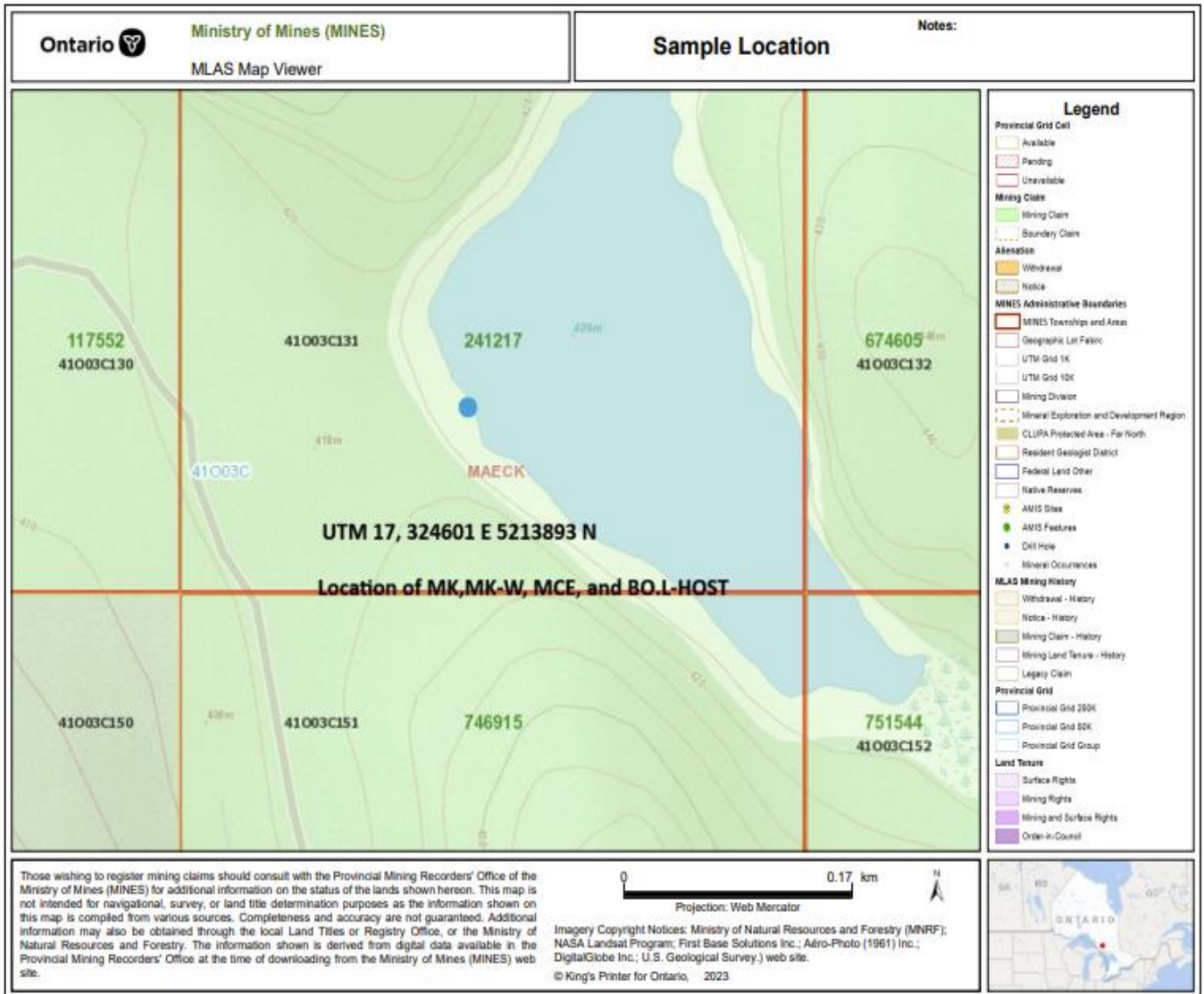
- Provincial Grid Cell**
 - Available
 - Pending
 - Unavailable
- Mining Claim**
 - Mining Claim
 - Boundary Claim
- Alienation**
 - Withdrawal
 - Notice
- NDM Administrative Boundaries**
 - NDM Townships and Areas
 - Geographic Lot Fabric
 - UTM Grid 1K
 - UTM Grid 10K
 - Mining Division
 - Mineral Exploration and Development Region
 - CLUPA Protected Area - Far North
 - Resident Geologist District
 - Federal Land Other
 - Native Reserves
- AMIS Sites**
 - AMIS Sites
 - AMIS Features
 - Drill Hole
 - Mineral Occurrences
- MLAS Mining History**
 - Withdrawal - History
 - Notice - History
 - Mining Claim - History
 - Mining Land Tenure - History
 - Legacy Claim
- Provincial Grid**
 - Provincial Grid 250K
 - Provincial Grid 50K
 - Provincial Grid Group
- Land Tenure**
 - Surface Rights
 - Mining Rights
 - Mining and Surface Rights
 - Order-in-Council

Those wishing to register mining claims should consult with the Provincial Mining Recorders' Office of the Northern Development and Mines (NDM) for additional information on the status of the lands shown hereon. This map is not intended for navigational, survey, or land title determination purposes as the information shown on this map is compiled from various sources. Completeness and accuracy are not guaranteed. Additional information may also be obtained through the local Land Titles or Registry Office, or the Natural Resources and Forestry. The information shown is derived from digital data available in the Provincial Mining Recorders' Office at the time of downloading from the Northern Development and Mines (NDM) web site.



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BLUE DOTS REPRESENT LOCATION WITH THE CORRESPONDING UTM

- 1) MK
- 2) MKW
- 3) BO.L-HOST

ALL SAMPLES WERE TAKEN AT UTM ZONE 17 324601 E 5213893 N WITHIN A FEW FEET OF EACH OTHER, GPS TOLERANCE OF ACCURACY DO NOT TELL THE DIFFERENCE BETWEEN THE SPOTS.

On Report shows a 4th sample (third that day (June 5th/6th), 4th overall) (MCE) but not for consideration.

A sample of the host rock wall is intrusive plutonic rock k-feldspar rich with subhedral crystal and quartz plageo class crystals.

The Dyke combination is approximately 6-7 feet in width and split with a granite center. Each side shows a different physical looking structure but mostly the same element. Dyke trends North-South exposed on south side of small lake.

EXPENSES-Total 2 Trips with James Ralph and Connor Covert License 1013731 and Carlo Pinelli (Labour Help 191 Church St, Sault Ste. Marie P6A 3H7)

Dates of Trips- June 6th and 5th 2019

May 21st and 22nd 2022

Nature of Trips/Daily Log:

The nature of the trips for the 4 days are as followed, June 6th and 5th of 2019 were to cut trails back into dyke 0 in order to fit ATV's on trail. 3 samples were taken from coordinates UTM 17, Easting 324601 Northing 5213893. See Report outlining the samples MK, MK-W, and MCE.

May 21st and 22nd of 2022 was to revisit the same site, while cleaning up trails again. We took 1 sample from the same location UTM 17, Easting 324601 Northing 5213893

For Reference "Cut Trails" is meaning "old bush trail" (see first map for location)

To further on the reasoning for my interest in the property, in recent has been prospected for diamonds and rare earth potential.

Mineral Observation for both trips please see picture below

Truck and Bikes- 2 trucks and 2 bikes- 920 km across bikes and trucks total for both

920km/\$0.5=\$420.00

Bikes Maintenance

2 bikes 2 trips at \$60.00 per bike per trip=\$480.00

Chainsaw

2 Chainsaws 2 Trips at \$40.00 per day per saw=\$320.00

Camp Rental (I own the camp)

4 nights at \$90.00 per night=\$360.00

Food

3 Men at \$25 per day=\$300.00

Assay cost

2 Reports at \$113.00 each = \$226.00

Labour

3 Men at \$300 per day at 4 days total- \$3600.00

Total=\$ 5706.00



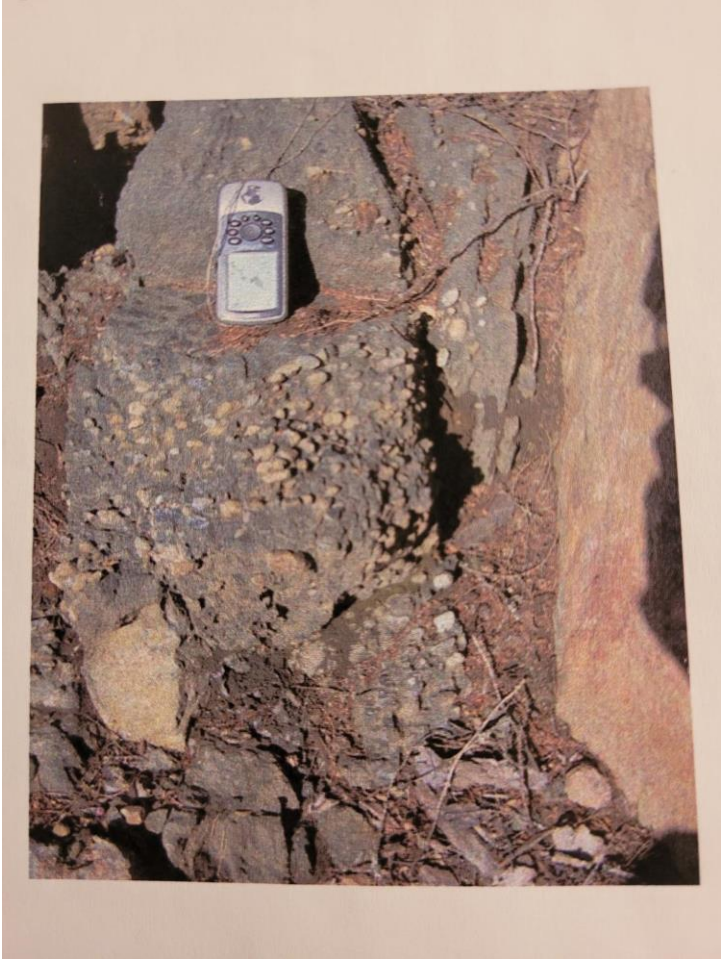
Picture of MKW Above



Picture of MK



Picture of BO.L-HOST



Picture of Dyke 0



Report No.: A19-13258
Report Date: 09-Oct-19
Date Submitted: 30-Sep-19
Your Reference:

Jim Ralph
189 Church St
Sault Ste Marie Ontario P6A3H7
Canada

ATTN: Jim Ralph

CERTIFICATE OF ANALYSIS

3 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1E3	QOP AquaGeo (Aqua Regia ICPOES)	2019-10-07 07:42:42

REPORT A19-13258

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

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

CERTIFIED BY:

Emmanuel Esemé , Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
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E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Results

Activation Laboratories Ltd.

Report: A19-13258

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
MK	< 0.2	< 0.5	135	804	< 1	674	< 2	78	1.94	< 2	50	583	0.8	< 2	2.96	83	354	9.21	10	< 1	0.89	20	7.31
MK-W	< 0.2	< 0.5	110	780	< 1	806	2	70	1.66	< 2	70	443	1.0	< 2	3.08	80	294	7.90	10	< 1	1.09	22	9.15
MCE	< 0.2	< 0.5	2	75	< 1	5	3	4	0.06	< 2	< 10	< 10	< 0.5	< 2	0.03	< 1	4	0.63	< 10	< 1	< 0.01	< 10	0.12

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
MK	0.179	0.086	0.10	4	7	252	0.35	< 20	3	< 2	< 10	230	< 10	10	7
MK-W	0.108	0.056	0.12	3	8	263	0.29	< 20	1	< 2	< 10	182	< 10	9	7
MCE	0.032	0.001	0.01	< 2	< 1	2	< 0.01	< 20	< 1	< 2	< 10	4	< 10	< 1	< 1

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-4 Meas	3.4	< 0.5	6540	151	326	35	40	70	2.73	110	< 10	21	1.4	9	0.89	13	55	3.09	10	< 1	1.67	47	1.47
GXR-4 Cert	4.0	0.860	6520	155	310	42.0	52.0	73.0	7.20	98.0	4.50	1640	1.90	19.0	1.01	14.6	64.0	3.09	20.0	0.110	4.01	64.5	1.66
GXR-6 Meas	0.2	< 0.5	64	1070	1	20	86	121	7.14	228	< 10	956	0.9	< 2	0.17	11	76	5.16	20	< 1	1.09	11	0.36
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
OREAS 45d (Aqua Regia) Meas			350	419		203	13	34	5.71	3		85		< 2	0.10	21	458	13.2	20		0.11	11	0.16
OREAS 45d (Aqua Regia) Cert			345.0	400.000		176.0	17.00	30.6	4.860	6.50		80		0.30	0.09	26.2	467	13.650	17.9		0.097	9.960	0.144
OREAS 923 (AQUA REGIA) Meas	1.6	< 0.5	4520	937	< 1	30	78	341	2.99	6		67	0.7	12	0.43	21	41	6.00	< 10		0.39	35	1.37
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 907 (Aqua Regia) Meas	1.2	< 0.5	6230	356	5	5	31	143	1.25	36		247	1.0	16	0.29	43	10	7.90	20		0.35	37	0.21
OREAS 907 (Aqua Regia) Cert	1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1	0.221
Oreas 621 (Aqua Regia) Meas	65.1	282	3550	528	13	20	> 5000	> 10000	1.64	78			0.5	< 2	1.66	29	25	3.37	< 10	4	0.32	20	0.40
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
OREAS 263 (Aqua Regia) Meas	0.2	< 0.5	90	537	< 1	72	33	133	1.91	29		200	1.4	< 2	1.11	33	58	3.73	< 10	< 1	0.38		0.60
OREAS 263 (Aqua Regia) Cert	0.285	0.270	87.0	490	0.570	72.0	34.0	127	1.29	30.8		175	1.22	0.570	1.03	31.0	48.0	3.68	4.92	0.170	0.288		0.593
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-4 Meas	0.129	0.126	1.65	< 2	7	70	0.13	< 20	1	< 2	< 10	82	11	11	9
GXR-4 Cert	0.564	0.120	1.77	4.80	7.70	221	0.29	22.5	0.970	3.20	6.20	87.0	30.8	14.0	186
GXR-6 Meas	0.104	0.032	0.01	3	23	35		< 20	< 1	< 2	< 10	172	< 10	6	10
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 45d (Aqua Regia) Meas	0.046	0.033	0.04		45	13		< 20			< 10	204		4	
OREAS 45d (Aqua Regia) Cert	0.031	0.035	0.045		41.50	11.0		11.3			1.64	201.0		5.08	
OREAS 923 (AQUA REGIA) Meas		0.061	0.66	2	4	15		< 20		< 2	< 10	37	< 10	18	16
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 907 (Aqua Regia) Meas	0.107	0.023	0.06	4	2	13	0.02	< 20	3	< 2	< 10	6	< 10	7	26
OREAS 907 (Aqua Regia) Cert	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
Oreas 621 (Aqua Regia) Meas	0.184	0.033	4.14	119	2	20		< 20		< 2	< 10	12	< 10	7	61
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
OREAS 263 (Aqua Regia) Meas	0.096	0.043	0.11	9	4	19		< 20	< 1	< 2	< 10	29		13	
OREAS 263 (Aqua Regia) Cert	0.0790	0.0410	0.126	7.37	3.52	16.9		10.6	0.210	0.530	1.28	22.8		12.0	
Method Blank	0.011	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1



Report No.: A22-13028
Report Date: 27-Sep-22
Date Submitted: 12-Sep-22
Your Reference: Bo-Lake

Jim Ralph
189 Church St
Sault Ste Marie Ontario P6A3H7
Canada

ATTN: Jim Ralph

CERTIFICATE OF ANALYSIS

1 Rock samples were submitted for analysis.

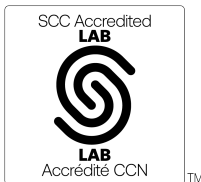
The following analytical package(s) were requested:		Testing Date:
1E3	QOP AquaGeo (Aqua Regia ICPOES)	2022-09-26 12:33:51

REPORT **A22-13028**

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Notes:

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



LabID: 266

ACTIVATION LABORATORIES LTD.
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E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

CERTIFIED BY:

Mark Vandergeest
Quality Control Coordinator

Results

Activation Laboratories Ltd.

Report: A22-13028

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
BO.L-HOST	< 0.2	< 0.5	5	355	4	94	37	30	0.75	4	< 10	147	1.1	< 2	4.48	3	19	1.96	< 10	< 1	0.04	30	1.60

Results

Activation Laboratories Ltd.

Report: A22-13028

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
BO.L-HOST	0.242	0.103	0.03	< 2	< 1	461	0.04	80	2	< 2	12	15	< 10	49	2

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 922 (AQUA REGIA) Meas	0.7	< 0.5	2220	746	< 1	33	58	240	2.60	10		74	0.7	9	0.39	20	43	5.07	< 10		0.43	35	1.25
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.8	< 0.5	2170	740	2	35	64	245	2.67	6		69	0.7	6	0.39	20	44	5.08	< 10		0.39	36	1.30
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 907 (Aqua Regia) Meas	1.3	< 0.5	6380	333	6	5	34	143	1.18	38		226	1.0	24	0.28	49	11	8.24	20		0.34	37	0.22
OREAS 907 (Aqua Regia) Cert	1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1	0.221
OREAS 907 (Aqua Regia) Meas	1.2	< 0.5	6220	339	6	5	39	140	1.20	37		235	1.0	17	0.28	48	8	8.21	20		0.33	38	0.22
OREAS 907 (Aqua Regia) Cert	1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1	0.221
OREAS 263 (Aqua Regia) Meas	0.4	< 0.5	86	492	< 1	70	35	125	1.87	31		178	1.4	< 2	1.02	34	56	3.76	< 10	< 1	0.38		0.58
OREAS 263 (Aqua Regia) Cert	0.285	0.270	87.0	490	0.570	72.0	34.0	127	1.29	30.8		175	1.22	0.570	1.03	31.0	48.0	3.68	4.92	0.170	0.288		0.593
OREAS 263 (Aqua Regia) Meas	0.2	< 0.5	87	518	< 1	77	37	126	1.84	31		184	1.3	< 2	1.07	33	57	3.92	< 10	< 1	0.34		0.61
OREAS 263 (Aqua Regia) Cert	0.285	0.270	87.0	490	0.570	72.0	34.0	127	1.29	30.8		175	1.22	0.570	1.03	31.0	48.0	3.68	4.92	0.170	0.288		0.593
OREAS 130 (Aqua Regia) Meas	6.4	29.9	231	1590	9	35	1310	> 10000	1.18	211				4	1.75	28	25	7.28	< 10	2	0.50	23	0.92
OREAS 130 (Aqua Regia) Cert	6.27	28.8	226	1630	8.25	35.2	1300	16900	1.10	205				3.05	1.81	27.1	23.2	7.27	4.78	0.670	0.500	26.4	0.892
Oreas 623 (Aqua Regia) Meas	17.7	45.8	> 10000	486	8	14	2060	8420	1.51	75			< 0.5	13	0.91	209	17	11.4	10	2	0.15	15	0.90
Oreas 623 (Aqua Regia) Cert	20.4	52.0	17200	570	8.38	15.6	2520	10100	1.80	76.0			0.370	16.9	1.09	216	19.4	13.0	11.9	0.830	0.175	17.9	1.11
Oreas 623 (Aqua Regia) Meas	18.8	50.6	> 10000	514	9	15	2210	8820	1.68	77			< 0.5	3	0.99	210	18	12.2	10	3	0.16	16	1.01
Oreas 623 (Aqua Regia) Cert	20.4	52.0	17200	570	8.38	15.6	2520	10100	1.80	76.0			0.370	16.9	1.09	216	19.4	13.0	11.9	0.830	0.175	17.9	1.11
Oreas 623 (Aqua Regia) Meas	19.1	51.5	> 10000	516	9	15	2250	8900	1.68	78			< 0.5	3	0.99	215	18	12.4	10	2	0.16	15	1.04
Oreas 623 (Aqua Regia) Cert	20.4	52.0	17200	570	8.38	15.6	2520	10100	1.80	76.0			0.370	16.9	1.09	216	19.4	13.0	11.9	0.830	0.175	17.9	1.11
OREAS 521 (Aqua Regia) Meas	0.9		5590	2390	131	59	6	20	1.20	298			< 0.5	< 2	2.95	334	26	18.7	10		0.42	92	0.94
OREAS 521 (Aqua Regia) Cert	0.8		5990	3000	133	68	9	24	1.44	333			0.5	6	3.66	374	33	20.0	10		0.53	150	1.1
OREAS 521 (Aqua Regia) Meas	0.8		5680	2550	133	69	14	20	1.30	309			< 0.5	2	3.16	338	29	19.1	10		0.44	99	1.02
OREAS 521 (Aqua Regia) Cert	0.8		5990	3000	133	68	9.0	24	1.44	333			0.5	6	3.66	374	33	20.0	10		0.53	150	1.10
Oreas 620 (Aqua	40.7	171	1800	443	11	14	> 5000	> 10000	1.23	52		14	0.6	< 2	1.33	14	18	2.79	< 10	2	0.31	25	0.27

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Regia) Meas																							
Oreas 620 (Aqua Regia) Cert	38.4	161	1750	414	9.0	14	7740	31200	1.12	47		450	0.6	2	1.29	12	17	2.58	6	2	0.31	25	0.27
Oreas 620 (Aqua Regia) Meas	40.0	172	1820	456	11	15	> 5000	> 10000	1.26	52		15	0.7	< 2	1.36	14	19	2.81	< 10	2	0.30	26	0.28
Oreas 620 (Aqua Regia) Cert	38.4	161	1750	414	9.0	14	7740	31200	1.12	47		450	0.6	2	1.29	12	17	2.58	6	2	0.31	25	0.27
Oreas 610 (Aqua Regia) Meas	50.8	13.4	9590	75	6	26	558	1850	1.22	3130			< 0.5	211	0.13	9	38	2.37	< 10	< 1	0.28	< 10	0.11
Oreas 610 (Aqua Regia) Cert	48.4	12.3	9720	66	4	24	512	1760	0.847	2810			0.3	220	0.12	8	33	2.27	6	0.8	0.21	6.7	0.11
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	26	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	24	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 922 (AQUA REGIA) Meas	0.027	0.065	0.37	3	4	15		< 20		< 2	< 10	33	< 10	17	21
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.027	0.063	0.36	3	4	15		< 20		< 2	< 10	32	18	18	14
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 907 (Aqua Regia) Meas	0.099	0.025	0.06	6	2	13	0.03	< 20	1	< 2	< 10	6	< 10	6	22
OREAS 907 (Aqua Regia) Cert	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 907 (Aqua Regia) Meas	0.108	0.023	0.06	6	2	13	0.03	< 20	< 1	< 2	< 10	6	< 10	7	18
OREAS 907 (Aqua Regia) Cert	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 263 (Aqua Regia) Meas	0.088	0.044	0.12	8	4	18		< 20	< 1	< 2	< 10	27		10	
OREAS 263 (Aqua Regia) Cert	0.0790	0.0410	0.126	7.37	3.52	16.9		10.6	0.210	0.530	1.28	22.8		12.0	
OREAS 263 (Aqua Regia) Meas	0.099	0.043	0.12	8	4	19		< 20	< 1	< 2	< 10	27		12	
OREAS 263 (Aqua Regia) Cert	0.0790	0.0410	0.126	7.37	3.52	16.9		10.6	0.210	0.530	1.28	22.8		12.0	
OREAS 130 (Aqua Regia) Meas		0.088	6.52	7	4	21	0.03	< 20	2	3	< 10	36	18	12	23
OREAS 130 (Aqua Regia) Cert		0.0860	6.02	4.69	3.42	23.2	0.0270	10.3	0.170	5.92	8.36	33.1	1.40	13.0	19.0
Oreas 623 (Aqua Regia) Meas	0.056	0.043	8.59	19	4	12		< 20	7	< 2	< 10	15	< 10	6	53
Oreas 623 (Aqua Regia) Cert	0.0680	0.0400	8.75	20.2	4.63	14.2		4.72	0.570	0.260	1.43	15.8	2.62	7.43	50.0
Oreas 623 (Aqua Regia) Meas	0.059	0.042	9.20	21	4	13		< 20	4	< 2	< 10	18	< 10	7	50
Oreas 623 (Aqua Regia) Cert	0.0680	0.0400	8.75	20.2	4.63	14.2		4.72	0.570	0.260	1.43	15.8	2.62	7.43	50.0
Oreas 623 (Aqua Regia) Meas	0.060	0.043	9.23	22	4	13		< 20	4	< 2	< 10	18	< 10	7	50
Oreas 623 (Aqua Regia) Cert	0.0680	0.0400	8.75	20.2	4.63	14.2		4.72	0.570	0.260	1.43	15.8	2.62	7.43	50.0
OREAS 521 (Aqua Regia) Meas	0.040	0.075	1.55	10	8	25	0.14	< 20	< 1	< 2	20	167	53	10	36
OREAS 521 (Aqua Regia) Cert	0.045	0.081	1.85	3.6	10	54	0.14	8	0.7	0.1	28	200	71	20	38
OREAS 521 (Aqua Regia) Meas	0.046	0.076	1.63	9	9	31	0.14	< 20	4	< 2	20	176	59	12	34
OREAS 521 (Aqua Regia) Cert	0.045	0.081	1.85	4	10	54	0.14	8	0.7	0.1	28	200	71	15	38
Oreas 620 (Aqua	0.113	0.030	2.70	65		19		< 20		< 2	< 10	9	< 10	7	22

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Regia) Meas															
Oreas 620 (Aqua Regia) Cert	0.117	0.031	2.47	62		20		7		0.5	2.2	7	0.79	7	57
Oreas 620 (Aqua Regia) Meas	0.119	0.029	2.65	62		20		< 20		< 2	< 10	9	65	8	22
Oreas 620 (Aqua Regia) Cert	0.117	0.031	2.47	62		20		7		0.5	2.2	7	0.79	7	57
Oreas 610 (Aqua Regia) Meas	0.052	0.029	2.92	250	1	43		< 20	45	< 2	< 10	15	< 10	3	12
Oreas 610 (Aqua Regia) Cert	0.049	0.025	2.65	265	0.8	39		3	42	1	1.1	12	3.6	3	11
Method Blank	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.004	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.003	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1