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**PROSPECTING REPORT
ON THE
SQUIRES LAKE PROPERTY**

52G01/NE

Sharp Lake Area and Mooseland Lake Area
Thunder Bay South Mining Division
Northwestern Ontario

PREPARED BY

William Richmond
December 3, 2021

Introduction

The Squires Lake (SL) property has exploration targets for copper (Cu), nickel (Ni), platinum group elements (PGEs), zinc (Zn) and gold (Au) associated with east-west trending bands of magnetic anomalies and electromagnetic conductors, identified in Ontario Geological Survey (OGS) airborne geophysical surveys (2000). The property is situated in the Heaven Lake greenstone belt (Stone 2003) within the Wabigoon Subprovince, 36 km west-northwest of the Lac des Iles Mine (Figure 2).

Location and Access

The Squires Lake property is located in the Sharp Lake Area and Mooseland Lake Area (G-0760), approximately 35 km northeast of Upsala and 110 km northwest of Thunder Bay (Figure 1). The property is located within NTS sheet 52G01/NE in the Thunder Bay South Mining Division. The SL property consists of 26 contiguous unpatented claim cells, registered to William Richmond, as listed in Table 1. The property is accessible via Hwy 17 to Dog River Road; travel north on Dog River Road to Sideen Road (KM23), then travel 27 km northwest on Sideen Road to Mirage Lake Road; travel 6 km east on Mirage Lake Road to reach the property (Figure 1).

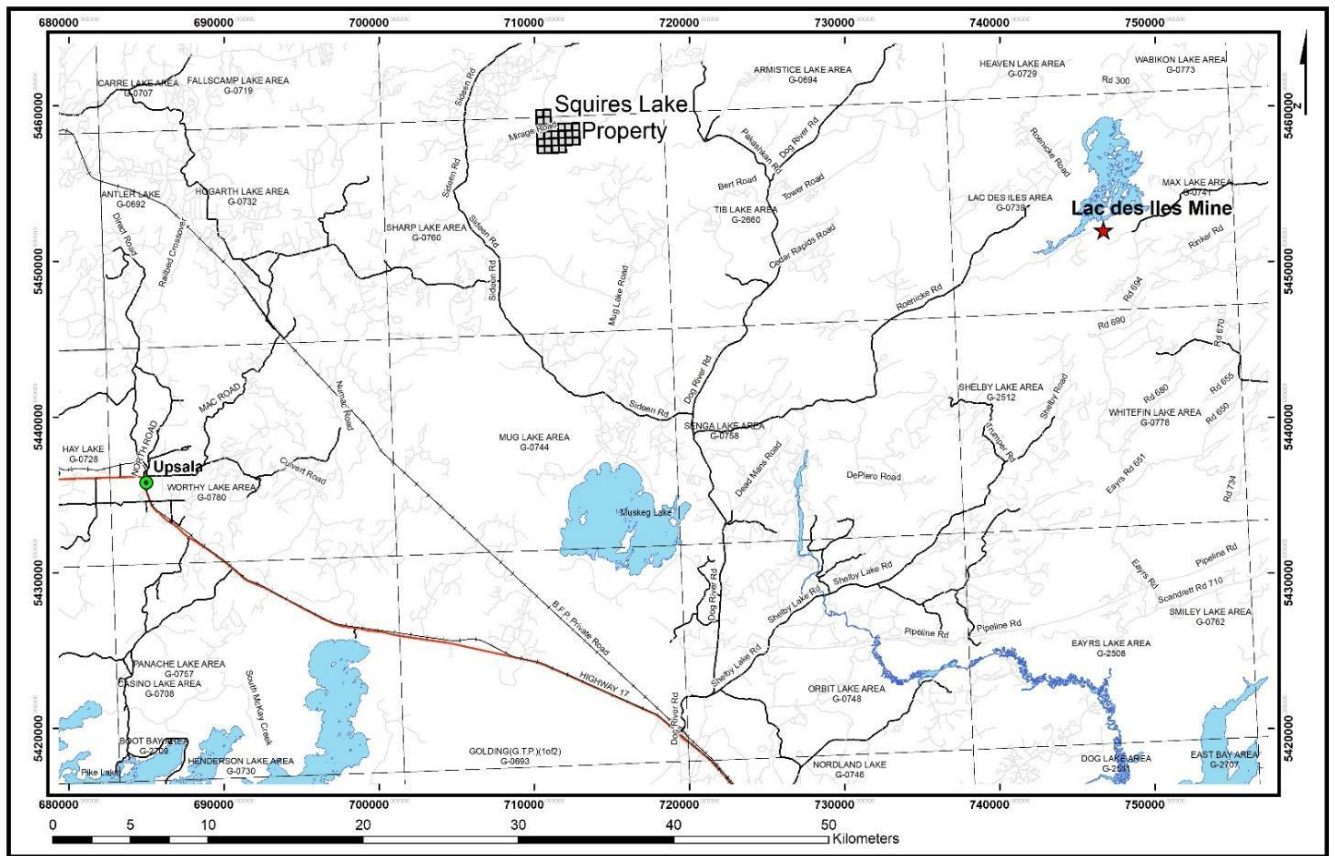


Figure 1. Location Map of Squires Lake Property

Table 1. Squires Lake property consists of 26 contiguous unpatented claim cells registered to William Richmond

Claim Number	Claim Type	Township / Area	Anniversary Date	Work Required
569683	Single Cell Mining Claim	SHARP LAKE AREA	2022-01-18	\$400
569682	Single Cell Mining Claim	MOOSELAND LAKE AREA, SHARP LAKE AREA	2022-01-18	\$400
569681	Single Cell Mining Claim	SHARP LAKE AREA	2022-01-18	\$400
569680	Single Cell Mining Claim	SHARP LAKE AREA	2022-01-18	\$400
569679	Single Cell Mining Claim	MOOSELAND LAKE AREA, SHARP LAKE AREA	2022-01-18	\$400
569678	Single Cell Mining Claim	SHARP LAKE AREA	2022-01-18	\$400
569677	Single Cell Mining Claim	SHARP LAKE AREA	2022-01-18	\$400
569676	Single Cell Mining Claim	SHARP LAKE AREA	2022-01-18	\$400
570213	Single Cell Mining Claim	MOOSELAND LAKE AREA, SHARP LAKE AREA	2022-01-21	\$400
570212	Single Cell Mining Claim	MOOSELAND LAKE AREA, SHARP LAKE AREA	2022-01-21	\$400
587425	Single Cell Mining Claim	SHARP LAKE AREA	2022-05-05	\$400
587424	Single Cell Mining Claim	SHARP LAKE AREA	2022-05-05	\$400
587423	Single Cell Mining Claim	SHARP LAKE AREA	2022-05-05	\$400
611990	Single Cell Mining Claim	SHARP LAKE AREA	2022-09-02	\$400
611989	Single Cell Mining Claim	SHARP LAKE AREA	2022-09-02	\$400
611988	Single Cell Mining Claim	SHARP LAKE AREA	2022-09-02	\$400
611987	Single Cell Mining Claim	SHARP LAKE AREA	2022-09-02	\$400
611955	Single Cell Mining Claim	SHARP LAKE AREA	2022-09-02	\$400
611954	Single Cell Mining Claim	SHARP LAKE AREA	2022-09-02	\$400
611953	Single Cell Mining Claim	SHARP LAKE AREA	2022-09-02	\$400
644260	Single Cell Mining Claim	SHARP LAKE AREA	2023-03-18	\$400
644259	Single Cell Mining Claim	SHARP LAKE AREA	2023-03-18	\$400
644258	Single Cell Mining Claim	SHARP LAKE AREA	2023-03-18	\$400
644257	Single Cell Mining Claim	SHARP LAKE AREA	2023-03-18	\$400
644256	Single Cell Mining Claim	SHARP LAKE AREA	2023-03-18	\$400
644255	Single Cell Mining Claim	SHARP LAKE AREA	2023-03-18	\$400

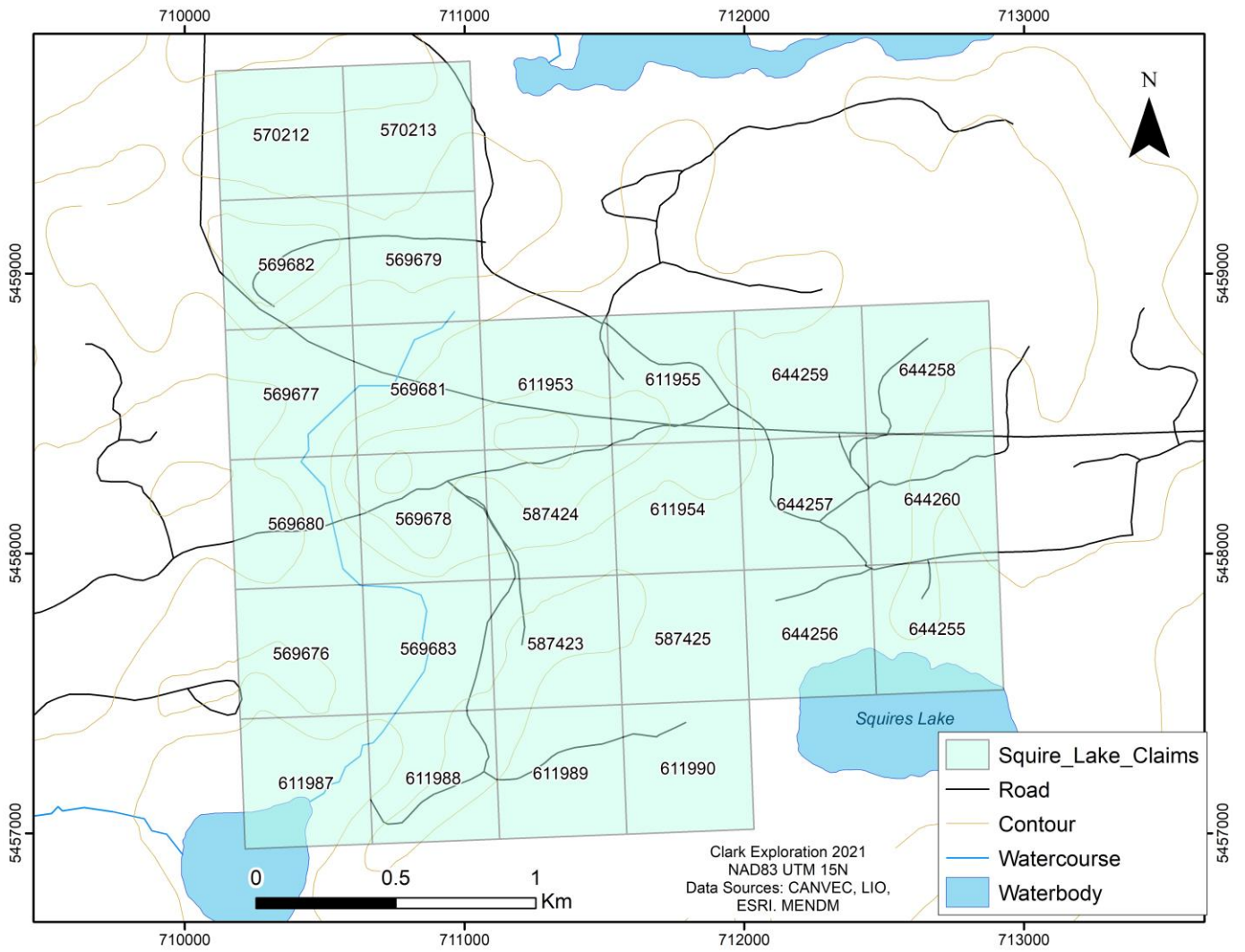


Figure 2. Squires Lake Property Claims

History

1961: Ontario Department of Mines, working in conjunction with the Geological Survey of Canada, conducted an aeromagnetic survey of the area (ODM-GSC 1962).

https://ftp.maps.canada.ca/pub/nrcan_rncan/publications/STPublications_PublicationsST/112/112161/gscgsm_11_04G_e_1961_mn01.pdf

1964: Ontario Department of Mines, Geology by Kaye, L. (Map P0251).

www.geologyontario.mndmf.gov.on.ca/mndmfiles/pub/data/imaging/P0251/P0251.pdf

1965: Phelps Dodge completed 6 diamond drill holes in locations north and east of the property and on the north portion of the property. This drill program was designed to target an east-west airborne magnetic trend with coincident electromagnetic anomalies. Two of 6 drill holes were completed on claim cells currently held by W. Richmond [Cell 570213 (ddh 59-P3) and Cell 644258 (ddh 59-38)].

<http://www.geologyontario.mndmf.gov.on.ca/mndmfiles/afri/data/imaging/52G08SE0005/52G08SE0005.pdf>

<http://www.geologyontario.mndm.gov.on.ca/mndmfiles/afri/data/imaging/52G01NE0005/52G01NE0005.Pdf>

<http://www.geologyontario.mndm.gov.on.ca/mndmfiles/afri/data/imaging/52G01NE0004/52G01NE0004.Pdf>

1974: Ontario Department of Mines, Operation Ignace-Armstrong Obonga Lake-Lac des Iles Sheet by Sage, R.P, Breaks, F.W., Stott, G.M., McWilliams, G.M. and Robertson, D. (Map P0963).

<https://www.geologyontario.mndm.gov.on.ca/mndmfiles/pub/data/imaging/P0963//P0963.pdf>

1995 – 2000: William Richmond and William Morehouse completed prospecting, sampling and diamond drilling on the Mirage Lake property, a portion currently held by W. Richmond. Assay results returned up to 2.13% Zn (Richmond and Moorhouse 1997).

<http://www.geologyontario.mndm.gov.on.ca/mndmfiles/afri/data/imaging/52G08SE0007/52G08SE0007.Pdf>

2002 – 2006: Buck Lake Ventures completed prospecting and mapping on the Mirage Lake property, which extended west and overlapped the north end of the current Squires Lake property. The Mirage Lake main showing is located at UTM 711101E 5959253N which is north of where the current exploration work has been carried out on the Squires Lake property. In 2002, only 1 grab sample (629451) from the Mirage Lake showing was reported; returning 1970 ppm Cu and 1.31% Zn at UTM 711114E 5459255N (Brickner 2002). Grab samples collected in 2003 from the Mirage Main showing returned values of up to 2100 ppm Cu and 1.08% Zn at 711101E 5959253N (Brickner 2004).

<http://www.geologyontario.mndm.gov.on.ca/mndmfiles/afri/data/imaging/52G08SE2003//52G08SE2003.Pdf>

<http://www.geologyontario.mndm.gov.on.ca/mndmfiles/afri/data/imaging/52G08SE2002/52G08SE2002.Pdf>

<http://www.geologyontario.mndm.gov.on.ca/mndmfiles/afri/data/imaging/52G01NE2001/52G01NE2001.Pdf>

2000 Ontario Geological Survey Airborne Geophysical Surveys, Magnetic and Electromagnetic Data, Garden-Obonga Area, GDS1105, M82111

<http://www.geologyontario.mdm.gov.on.ca/mndmfiles/pub/data/imaging/M82111//M82111.pdf3530>

2003 Ontario Geological Survey, Upsala area mapped by D. Stone, M. Fell, and R. Metsaranta covering the south portion of the property (Map P3530).

<http://www.geologyontario.mdm.gov.on.ca/mndmfiles/pub/data/imaging/P3530//P3530.pdf>

Geology

The Squires Lake property lies within an east-west trending predominately metavolcanic belt. The mafic metavolcanic rocks are dark green and are commonly foliated and massive less common. The rocks are non too highly magnetic with trace to near massive sulfides consisting of pyrite, sphalerite and pyrrhotite. According to Kaye (1964) the metavolcanic rocks are intruded by up to 30% mafic and ultramafic rocks, including gabbro, olivine gabbro and peridotite. Pyroxenite was also located. Stone et al. (2003) mapped the Squires Lake property area as predominately mafic metavolcanic rocks within the Heaven Lake greenstone belt. One outcrop of iron formation and 2 small intrusions of hornblende gabbro were mapped on the property. Stone et al. (2003) also noted garnets in the vicinity of the Mirage Lake showing located on northern portion of the property.

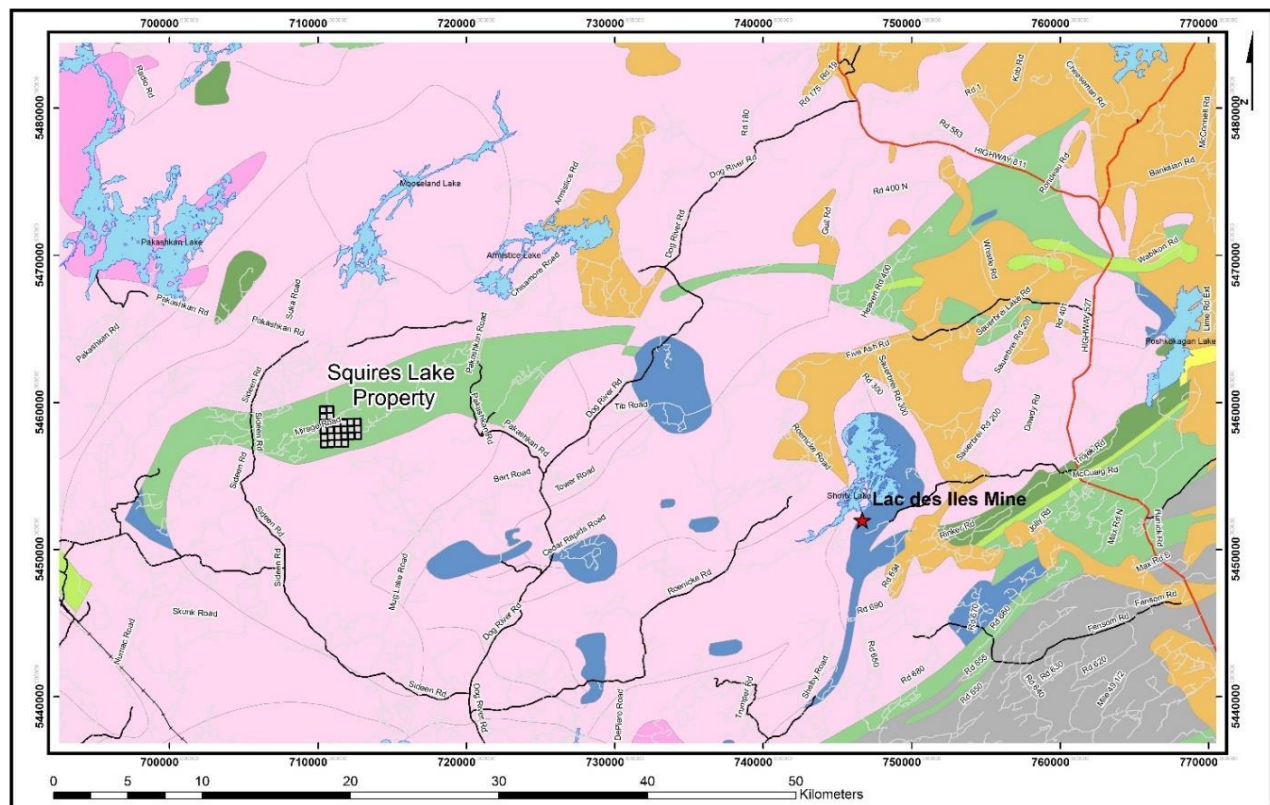


Figure 3. Regional geological map and location of the Squires Lake property (*modified from Ontario Geological Survey 2011*).

Exploration Work

The purpose of the work was to prospect a new area that had not previously been looked at. Phelps Dodge 1965 had done extensive work to the north but the linear belt to the south had received no work but staking. OGS airborne geophysical surveys indicate many magnetic and electromagnetic conductors to be identified and sampled.

Daily Prospecting & Sampling Logs

May 13/20 William and Lillian Richmond

Drove to new road running south from Mirage Road. Due to spring conditions traversed south along road on Claim Cells; 58742, 3569683 and 611988. Identified many mineralized zones and collected 7 grab samples: 884505-11, as shown on Figure 4, and assays provided in Table 2. These samples were transported to Activation Laboratories Ltd. (Actlabs) in Thunder Bay, Ontario where they underwent Au analysis by fire assay with AA (Atomic Absorption) finish and multi element analysis by digested with aqua regia.

July 15/21 William and Lillian Richmond

Return to new road and began traversing and prospecting Claim Cells: 611988, 569683, 587423 and 587424 to see if any mineralization had been missed. Collected another 9 grab samples: 619413-21, as shown on Figure 4, and assays provided in Table 2. These samples were transported to Activation Laboratories Ltd. (Actlabs) in Thunder Bay, Ontario where they underwent Au analysis by fire assay with an AA (Atomic Absorption) finish and Au, Pt, Pd analysis by ICP-OES, and multi element analysis by digested with aqua regia.

August 20/21 William and Lillian Richmond

Returned to outcrop on Claim Cell 611988, to revisit and resample anomalous Sample no. 619414 returning 91 ppb Pt, 676 ppb Pd, 1340 ppm Ni and 848 ppm Cr. As outcrop was limited, proceeded to use hand tools to fully expose outcrop. Outcrop was dark green with no visible sulfides; tested with dimethylglyoxime powder and water mix on sample and it immediately turned red. Took the following 4 samples: 619422-25, as shown on Figure 4, and assays provided in Table 2. These samples were transported to Activation Laboratories Ltd. (Actlabs) in Thunder Bay, Ontario where they underwent Au, Pt, Pd analysis by ICP-OES, and multi element analysis by digested with aqua regia.

October 14/21 William, Lillian Richmond, and Dorothy Campbell (Regional Resident Geologist -OGS)

Met with D. Campbell at Dog River Road for property visit to show her the highlights, outcrops on the property on Claim Cells: 611988 and 569683. D. Campbell collected the following 7 samples: 21DCSL001-007, as shown on Figure 4.

October 29/21 William and Lillian Richmond

Returned to main showing on Claim Cell 619683 to see if any mineralization had been missed. Identified 3 mineralized zones in outcrop and collect 3 samples: 619426-28, as shown on Figure 4, and assays provided in Table 2. These samples were transported to Activation Laboratories Ltd. (Actlabs) in Thunder Bay, Ontario where they underwent Au, Pt, Pd analysis by ICP-OES, and multi element analysis by digested with aqua regia.

Results

Grab samples with predominately pyrite and pyrrhotite sulfide mineralization were located in several outcrops. A nickel occurrence with elevated Pt + Pd, was discovered on the Squires lake property (UTM 711012E 5457415N) is hosted by a mafic/ultramafic intrusive within mafic metavolcanic rocks. Assay results from grab samples with corresponding UTM location and rock description, are summarized in Table 2. Highlights from the sampling program include Sample No. 619422; 828 ppb Pt + Pd and 924 ppm Ni, Sample No. 610423; 782 ppb Pt + Pd and 1010 ppm Ni and Sample No. 619414; 767 Pt + Pd and 1340 ppm Ni. A gabbro float sample collected near Sample 619422 returned 5150 ppm Cu. Anomalous assays were also recorded in Zn and Co. A complete set of assay results with all the trace elements analysed, are provided within 4 Assay Certificates, appended to this report.

Table 2. Summary table of assay highlights from grab samples (keyed to Figure 4).

Sample Number	Easting (m) NAD83 Zone 15	Northing (m) NAD83 Zone 16	Au (ppb)	Pd (ppb)	Pt (ppb)	Ni (ppm)	Cu (ppm)	Co (ppm)	Zn (ppm)	Description
884505	711025	5457404	21	3	1	6	5150	34	221	c.g. hbl'd gabbro, mag (float)
884506	711025	5457481	33	4	11	126	200	99	308	felsic volc, near mass py, non mag
884507	711056	5457634	34	1	40	115	720	513	2190	near massive py, graphitic (float)
884508	711077	5457101	3	4	4	71	102	37	36	f.g. volc, fol, 10% S, non mag
884509	711108	5457784	13*							f.g. volc, fol, 15% S, non mag
884510	711126	5457814	<5*							f.g. volc, fol, 5% S, non mag
884511	710968	5457237	18	2	2					banded IF, str mag
619413	711019	5457413	7	< 5	< 5	41	81	66	80	f.g. volc, v. frac, 5% S, non mag
619414	711016	5457417	21	676	91	1340	192	71	52	f.g. dk green, serpentine?
619415	711023	5457477	11*			40	31	19	38	mica schist
619416	711027	5457493	<5*							acid dike
619417	711056	5457634	30	10	< 5	68	148	244	4070	near massive py, graphitic
619418	711086	5457770	4	< 5	< 5	26	84	26	82	gabbro (hbl'd)
619419	711137	5458024	6	< 5	< 5	31	88	45	96	f.g. volc, fol, 5% S
619420	711134	5457860	18	< 5	< 5	94	885	58	99	f.g. volc, fol, near massive
619421	711087	5458100	7	< 5	< 5	12	14	20	52	f.g. volc, fol, 3% S
619422	711012	5457415	14	708	120	924	107	58	80	f.g. volc, fol
619423	711012	5457415	19	660	122	1010	123	58	67	f.g. volc, fol
619424	711012	5457415	15	626	99	800	118	49	68	f.g. volc, fol
619425	711012	5457415	16	615	128	880	121	53	76	f.g. volc, fol
619426	711021	5457490	< 2	< 5	< 5	4	25	4	27	n. vein, v. frac, 1% S, non mag
619427	711023	5457492	12	< 5	< 5	27	199	26	37	n. vein, v. frac, 10% S, str mag
619428	711020	5457479	< 2	< 5	< 5	41	105	22	26	mass, u/m, 10% minerz on frac pl

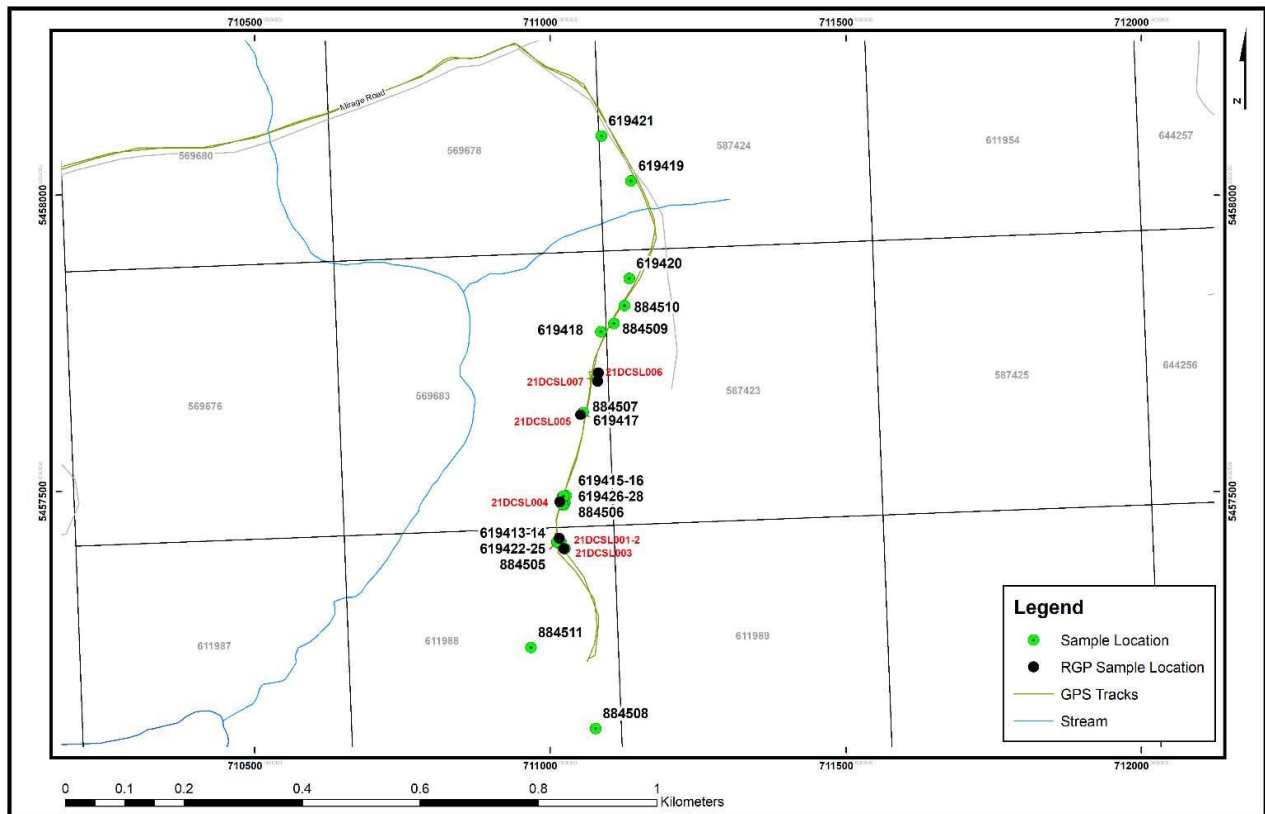


Figure 4. Map showing location of grab samples collected by Bill & Lillian Richmond (green dots, black labels) and Dorothy Campbell, OGS-Regional Resident Geologist (black dots-red labels) NAD83, Zone 15.

Summary/Recommendations

The Squires Lake Property is an exploration target for copper, nickel, PGEs, zinc and gold. The belt has east-west trending bands of magnetic anomalies and electromagnetic conductors, identified in OGS airborne geophysical surveys (2000). There are 26 units of claims staked on the property with a road running east-west through the middle of the property which I prefer to call the north property and south property. The prospecting was conducted from May 3/20 until Oct. 29/21 for 5 field days including 23 samples taken from the south property outcrops. Additional work is warranted.

Due to unforeseen events COVID, fire hazards, work stoppages and other events prospecting was limited to easy access areas. None of the mineralized areas were prospected on strike and many large magnetic and electromagnetic targets remain unresolved. These areas also have extensive cutovers and aerial photos dictate shallow overburden with numerous outcrops. The seasonal road also completely traverses a north-south section across the metavolcanic rocks on the property. Follow-up prospecting at a minimum should be conducted.



Squires Lake Nickle Showing -Sample No.s 19422-23 & Samples 21DCHL001-002 Mafic metavolcanic with disseminated sulphides



Sample 21DCHL004
Metasediment with semi-massive sulphides



21DCHL005 Massive sulphide in angular float



21DCHL006-007 Metasediment-iron formation?
Semi-massive sulphides, strongly magnetic

Figure 5. Photos by OGS Resident Geologist keyed to locations shown on Figure 4.

References

- Brickner, R. 2002. Mirage Lake property, Mooseland Lake and Sharp Lake Areas, Thunder Bay Mining Division; Thunder Bay District, Assessment Report, AFRO# 2.23914, 34p.
- Brickner, R. 2004. Mirage Lake property, Mooseland Lake and Sharp Lake Areas, Thunder Bay Mining Division; Thunder Bay District, Assessment Report, AFRO# 2.28123, 30p
- Kaye, L. 1964. Dog River Road geological map, Ontario Department of Mines, P0251
- Ontario Geological Survey. 2000. Airborne geophysical surveys, magnetic and electromagnetic data, Garden-Obonga area, Map M82111.
- Ontario Geological Survey. 2000. Airborne geophysical surveys, magnetic and electromagnetic Data, Garden-Obonga area, Digital Data GDS1105.
- Ontario Geological Survey. 2011. 1:250 000 scale bedrock geology of Ontario; Ontario Geological Survey, Miscellaneous Release— Data 126—Revision 1.
- Richmond, W. and Moorhouse, W.D. 1997. Mirage Lake property, Mooseland Lake and Sharp Lake Areas, Thunder Bay Mining Division; Thunder Bay District, Assessment Report, AFRO# 2.17249, 38p.
- Stone, D., Fell, M. and Metsaranta, R. 2003. Precambrian geology, Upsala area; Ontario Geological Survey, Preliminary Map P3530.

Appendix I

Assay Certificates

A20-05418

A21-13439

A21-15932

A21-20661



Report No.: A20-05418
Report Date: 04-Jun-20
Date Submitted: 25-May-20
Your Reference:

Bill Richmond
413 Lillian St
Thunder bay Ontario
Canada

ATTN: Bill Richmond

CERTIFICATE OF ANALYSIS

7 Rock samples were submitted for analysis.

Table with 2 columns: The following analytical package(s) were requested: and Testing Date:
1C-Exp | QOP PGE ICP-MS (Fire Assay-ICPMS) | 2020-06-02 16:34:41

REPORT A20-05418

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3
Values which exceed the upper limit should be assayed for accurate numbers.
We recommend reanalysis by fire assay Au, Pt, Pd Code 8 if values exceed upper limit.

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé , Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
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Report No.: A20-05418
Report Date: 04-Jun-20
Date Submitted: 25-May-20
Your Reference:

Bill Richmond
413 Lillian St
Thunder bay Ontario
Canada

ATTN: Bill Richmond

CERTIFICATE OF ANALYSIS

7 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Tbay	QOP AA-Au (Au - Fire Assay AA)	2020-06-02 21:11:57
1E3-Tbay	QOP AquaGeo (Aqua Regia ICPOES)	2020-05-28 10:18:34

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

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

We recommend reanalysis by fire assay Au, Pt, Pd Code 8 if values exceed upper limit.

CERTIFIED BY:



Emmanuel Esemé, Ph.D.
 Quality Control Coordinator

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Results

Activation Laboratories Ltd.

Report: A20-05418

Analyte Symbol	Au	Pd	Pt	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga
Unit Symbol	ppb	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	1	1	2	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
Method Code	FA-AA	FA-MS	FA-MS	FA-MS	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
884505		< 1	3	21	0.9	< 0.5	5150	1120	1	6	4	221	0.48	3	< 10	67	< 0.5	< 2	0.94	34	2	14.4	10
884506		11	4	33	1.3	1.2	200	695	3	126	13	308	0.63	35	< 10	< 10	0.7	4	0.23	99	119	22.0	< 10
884507		40	1	34	1.0	5.6	720	64	< 1	115	19	2190	0.22	230	< 10	< 10	< 0.5	6	0.11	513	14	16.3	< 10
884508		4	4	3	< 0.2	< 0.5	102	1020	< 1	71	< 2	36	1.39	3	< 10	31	< 0.5	2	2.20	37	98	6.16	< 10
884509	13																						
884510	< 5																						
884511		2	2	18																			

Results

Activation Laboratories Ltd.

Report: A20-05418

Analyte Symbol	Hg	K	La	Mg	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	ppm	ppm
Lower Limit	1	0.01	10	0.01	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	AR-ICP	AR-ICP	AR-ICP	AR-ICP
884505	< 1	0.24	11	0.30	0.108	0.166	0.20	7	9	9	0.28	< 20	3	< 2	< 10	177	< 10	29	7
884506	< 1	0.34	43	0.50	0.032	0.035	17.7	7	5	12	0.07	< 20	6	< 2	< 10	42	< 10	12	30
884507	1	0.04	< 10	0.11	0.023	0.010	17.6	7	2	3	< 0.01	< 20	5	3	< 10	7	< 10	2	21
884508	1	0.23	< 10	0.80	0.130	0.031	3.68	2	10	13	0.22	< 20	3	< 2	< 10	90	< 10	10	6
884509																			
884510																			
884511																			

Analyte Symbol	Au	Pd	Pt	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga
Unit Symbol	ppb	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	1	1	2	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
Method Code	FA-AA	FA-MS	FA-MS	FA-MS	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-6 Meas					0.3	< 0.5	69	1040	1	22	92	128	6.64	231	< 10	877	0.9	3	0.16	13	83	5.52	20
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
PK2 Meas		5530	4510	4510																			
PK2 Cert		5918	4749	4785																			
OREAS 922 (AQUA REGIA) Meas					0.9	< 0.5	2300	766	< 1	35	58	270	2.74	5		83	0.8	5	0.42	19	48	5.24	< 10
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
OREAS 923 (AQUA REGIA) Meas					1.8	< 0.5	4590	878	< 1	34	78	348	2.78	7		71	0.7	29	0.43	21	49	6.10	< 10
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
Oreas 621 (Aqua Regia) Meas					70.3	297	3790	543	13	24	> 5000	> 10000	1.69	82			0.6	7	1.72	30	31	3.48	10
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
OREAS 45f (Aqua Regia) Meas							361	172	< 1	225	6	28	7.07			148	1.1	4	0.08	40	373	14.1	20
OREAS 45f (Aqua Regia) Cert							336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3
OREAS 238 (Fire Assay) Meas	3150																						
OREAS 238 (Fire Assay) Cert	3030																						
884507 Orig		40	1	36																			
884507 Dup		39	1	31																			
884510 Orig	< 5																						
884510 Dup	< 5																						
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
Method Blank		< 1	< 1	< 2																			
Method Blank		< 1	< 1	< 2																			
Method Blank	< 5																						

Analyte Symbol	Hg	K	La	Mg	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	ppm	ppm
Lower Limit	1	0.01	10	0.01	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	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	1	1.16	< 10	0.40	0.140	0.034	0.01	4	22	35		< 20	2	< 2	< 10	163	< 10	5	8
GXR-6 Cert	0.0680	1.87	13.9	0.609	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
PK2 Meas																			
PK2 Cert																			
OREAS 922 (AQUA REGIA) Meas		0.49	35	1.37	0.032	0.065	0.38	< 2	4	16		< 20		< 2	< 10	35	< 10	20	27
OREAS 922 (AQUA REGIA) Cert		0.376	32.5	1.33	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 923 (AQUA REGIA) Meas		0.43	33	1.47		0.062	0.70	3	4	15		< 20		< 2	< 10	34	< 10	18	32
OREAS 923 (AQUA REGIA) Cert		0.322	30.0	1.43		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 621 (Aqua Regia) Meas	4	0.40	19	0.45	0.159	0.035	4.60	115	2	19		< 20		< 2	< 10	13	< 10	8	70
Oreas 621 (Aqua Regia) Cert	3.93	0.333	19.4	0.436	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 45f (Aqua Regia) Meas	< 1	0.11	11	0.18	0.051	0.021	0.02		30	15	0.11	< 20		< 2	< 10	200		6	14
OREAS 45f (Aqua Regia) Cert	0.0310	0.0820	10.7	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 238 (Fire Assay) Meas																			
OREAS 238 (Fire Assay) Cert																			
884507 Orig																			
884507 Dup																			
884510 Orig																			
884510 Dup																			
Method Blank	< 1	< 0.01	< 10	< 0.01	0.011	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank																			
Method Blank																			
Method Blank																			



Report No.: A21-13439
Report Date: 09-Sep-21
Date Submitted: 15-Jul-21
Your Reference:

Bill Richmond
413 Lillian St
Thunder bay Ontario
Canada

ATTN: Bill Richmond

CERTIFICATE OF ANALYSIS

9 Rock samples were submitted for analysis.

Table with 3 columns: The following analytical package(s) were requested, Testing Date, and sample details. Row 1: UT-1-0.5g, QOP Ultratrace-1 (Aqua Regia ICPMS), 2021-08-26 15:14:23

REPORT A21-13439

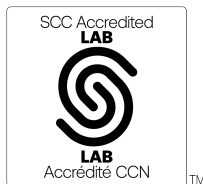
This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely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

Notes:

Assays are recommended for values above the upper limit. The Au from AR-MS is for information purposes, for accurate Au fire assay 1A2 should be requested.

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

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



LabID: 266

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

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

Report No.: A21-13439
Report Date: 09-Sep-21
Date Submitted: 15-Jul-21
Your Reference:

Bill Richmond
413 Lillian St
Thunder bay Ontario
Canada

ATTN: Bill Richmond

CERTIFICATE OF ANALYSIS

9 Rock samples were submitted for analysis.

Table with 3 columns: Analytical package, Description, and Testing Date. Rows include 1A2-Tbay, 1C-OES-Tbay, and 1E3-Tbay.

REPORT A21-13439

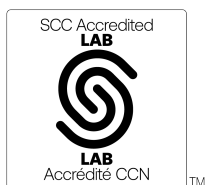
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Notes:

Assays are recommended for values above the upper limit. The Au from AR-MS is for information purposes, for accurate Au fire assay 1A2 should be requested.

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

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



LabID: 673

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CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	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
Method Code	FA-AA	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
619413		0.4	< 0.5	81	892	9	41	10	80	0.76	< 2	< 10	< 10	5.6	< 2	1.84	66	42	7.09	< 10	2	0.36	76
619414		< 0.2	< 0.5	192	356	13	1340	< 2	52	1.12	< 2	< 10	40	< 0.5	< 2	1.14	71	848	3.52	< 10	< 1	0.10	< 10
619415	11	< 0.2	< 0.5	31	323	3	40	2	38	1.48	< 2	< 10	108	< 0.5	< 2	0.26	19	49	2.66	< 10	< 1	0.93	16
619416	< 5																						
619417		0.4	10.1	148	49	2	68	11	4070	0.34	199	< 10	< 10	< 0.5	4	0.05	244	11	14.2	< 10	2	0.10	< 10
619418		< 0.2	< 0.5	84	345	< 1	26	< 2	82	3.98	< 2	< 10	55	< 0.5	< 2	2.83	26	21	4.63	< 10	< 1	0.13	< 10
619419		< 0.2	< 0.5	88	785	< 1	31	< 2	96	2.54	< 2	< 10	11	< 0.5	< 2	3.03	45	10	8.19	< 10	1	0.11	< 10
619420		0.9	< 0.5	885	3370	1	94	8	99	0.73	6	< 10	< 10	< 0.5	< 2	0.41	58	28	17.0	< 10	< 1	0.08	< 10
619421		< 0.2	< 0.5	14	465	< 1	12	< 2	52	1.30	< 2	< 10	38	< 0.5	< 2	1.95	20	24	7.19	< 10	< 1	0.09	< 10

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Ti	S	P	Li	Be	B	Na
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	%
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.001	1	0.001	0.1	0.1	1	0.001
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-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
619413	1.83	0.217	0.437	3.94	2	26	318	0.08	< 20	6	< 2	< 10	195	< 10	19	10							
619414	1.82	0.079	0.027	0.78	3	3	8	0.08	< 20	1	< 2	< 10	27	< 10	2	5							
619415	0.74	0.049	0.021	0.19	< 2	4	21	0.18	< 20	2	< 2	< 10	47	< 10	15	41							
619416																	0.049	< 1	0.009	7.9	0.3	13	0.340
619417	0.04	0.027	0.016	17.3	6	1	5	< 0.01	< 20	5	< 2	< 10	8	< 10	1	33							
619418	1.00	0.543	0.049	0.14	< 2	5	97	0.22	< 20	< 1	< 2	< 10	182	< 10	7	6							
619419	1.65	0.284	0.054	1.46	< 2	25	16	0.18	< 20	6	< 2	< 10	342	< 10	17	4							
619420	0.37	0.029	0.020	9.00	6	2	1	0.06	< 20	< 1	< 2	< 10	18	< 10	3	24							
619421	1.37	0.256	0.023	0.06	< 2	16	24	0.27	< 20	3	2	< 10	282	< 10	4	2							

Results

Activation Laboratories Ltd.

Report: A21-13439

Analyte Symbol	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Rb	Sr	Y	Zr	Nb	Mo
Unit Symbol	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.02	0.01	0.1	1	1	1	0.01	0.1	0.1	0.2	0.1	0.02	0.1	0.1	0.1	0.5	0.01	0.1	0.1	0.01
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
619413																							
619414																							
619415																							
619416	4.81	2.21	0.20	< 0.02	4.70	2.1	7	17	116	0.77	3.2	8.6	1.0	13.4	6.18	< 0.1	1.2	6.1	30.9	6.44	19.6	< 0.1	0.16
619417																							
619418																							
619419																							
619420																							
619421																							

Analyte Symbol	Ag	In	Sn	Sb	Te	Cs	Ba	La	Ce	Cd	Pr	Nd	Sm	Se	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.002	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
619413																							
619414																							
619415																							
619416	0.007	< 0.02	0.55	0.04	0.04	0.30	136	6.8	17.8	0.03	2.2	8.61	1.5	0.4	0.3	1.5	0.2	1.3	0.2	0.8	0.1	0.8	< 0.1
619417																							
619418																							
619419																							
619420																							
619421																							

Analyte Symbol	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	Hg	Au	Pd	Pt
Unit Symbol	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb
Lower Limit	0.1	0.05	0.1	0.001	0.5	0.02	0.1	0.1	0.1	10	2	5	5
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	FA-ICP	FA-ICP	FA-ICP
619413											7	< 5	< 5
619414											21	676	91
619415													
619416	0.4	< 0.05	0.2	0.001	< 0.5	< 0.02	1.1	3.9	0.6	< 10			
619417											30	10	< 5
619418											4	< 5	< 5
619419											6	< 5	< 5
619420											18	< 5	< 5
619421											7	< 5	< 5

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	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
Method Code	FA-AA	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-6 Meas		0.3	< 0.5	69	1020	< 1	24	94	125	6.69	228	< 10	745	0.9	< 2	0.13	13	79	5.49	20	2	1.02	< 10
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
GXR-6 Meas		0.4	< 0.5	69	1050	1	25	98	129	6.74	243	< 10	838	0.9	< 2	0.13	12	79	5.49	20	1	0.97	< 10
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
GXR-6 Meas		0.4	< 0.5	71	1080	1	26	100	131	7.00	251	< 10	857	0.9	< 2	0.13	13	81	5.64	20	1	0.99	< 10
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
GXR-6 Meas		0.3	< 0.5	68	1050	1	25	99	129	6.74	230	< 10	844	0.9	< 2	0.13	12	79	5.38	20	2	0.97	< 10
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
OREAS 98 (Aqua Regia) Meas		42.9		> 10000				276	1220						49		106						
OREAS 98 (Aqua Regia) Cert		42.8		147000				343	1300						93		111						
OREAS 98 (Aqua Regia) Meas		40.4		> 10000				263	1160						38		103						
OREAS 98 (Aqua Regia) Cert		42.8		147000				343	1300						93		111						
OREAS 98 (Aqua Regia) Meas		40.4		> 10000				263	1160						37		102						
OREAS 98 (Aqua Regia) Cert		42.8		147000				343	1300						93		111						
PK2 Meas																							
PK2 Cert																							
OREAS 922 (AQUA REGIA) Meas		0.9	< 0.5	2240	735	< 1	35	59	259	2.75	4		78	0.8	7	0.41	19	45	5.10	< 10		0.44	35
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
OREAS 922 (AQUA REGIA) Meas		0.9	< 0.5	2210	759	< 1	36	59	260	2.78	3		92	0.8	4	0.40	19	46	5.03	< 10		0.42	34
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
OREAS 922 (AQUA REGIA) Meas		0.9	< 0.5	2260	774	< 1	35	59	275	2.86	4		96	0.8	10	0.42	19	46	5.11	< 10		0.44	35
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
OREAS 922 (AQUA REGIA) Meas		0.9	< 0.5	2170	757	< 1	37	62	270	2.77	7		91	0.8	11	0.40	19	45	4.99	< 10		0.42	33
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
OREAS 923 (AQUA REGIA) Meas		1.6	< 0.5	4340	843	< 1	34	80	339	2.78	8		63	0.7	18	0.41	21	42	5.96	< 10		0.39	33
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
OREAS 923 (AQUA REGIA) Meas		1.9	< 0.5	4460	884	< 1	33	84	342	2.86	5		79	0.7	24	0.41	22	43	5.94	< 10		0.37	32
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
OREAS 923		1.8	< 0.5	4400	876	< 1	34	87	346	2.86	7		79	0.7	25	0.42	22	43	5.91	< 10		0.38	32

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	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
Method Code	FA-AA	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
(AQUA REGIA) Meas																							
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
OREAS 923 (AQUA REGIA) Meas		1.7	< 0.5	4410	856	< 1	34	85	341	2.78	7		75	0.7	20	0.40	21	42	5.78	< 10		0.37	31
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
Oreas 96 (Aqua Regia) Meas		10.5		> 10000				86	408						46		46						
Oreas 96 (Aqua Regia) Cert		11.50		39100.00				100	448						27.9		49.2						
Oreas 96 (Aqua Regia) Meas		11.5		> 10000				91	423						54		48						
Oreas 96 (Aqua Regia) Cert		11.50		39100.00				100	448						27.9		49.2						
Oreas 96 (Aqua Regia) Meas		11.3		> 10000				87	425						49		46						
Oreas 96 (Aqua Regia) Cert		11.50		39100.00				100	448						27.9		49.2						
Oreas 96 (Aqua Regia) Meas		11.3		> 10000				89	417						60		47						
Oreas 96 (Aqua Regia) Cert		11.50		39100.00				100	448						27.9		49.2						
OREAS 907 (Aqua Regia) Meas																							
OREAS 907 (Aqua Regia) Cert																							
CDN-PGMS-27 Meas																							
CDN-PGMS-27 Cert																							
Oreas 621 (Aqua Regia) Meas		67.5	284	3610	519	13	25	> 5000	> 10000	1.72	81			0.6	4	1.65	31	29	3.35	10	3	0.36	18
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
Oreas 621 (Aqua Regia) Meas		70.3	290	3530	531	12	25	> 5000	> 10000	1.68	76			0.6	5	1.62	32	30	3.30	10	4	0.32	18
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
Oreas 621 (Aqua Regia) Meas		69.0	275	3410	514	13	23	> 5000	> 10000	1.64	76			0.6	2	1.58	30	29	3.16	< 10	4	0.31	17
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
Oreas 621 (Aqua Regia) Meas		72.9	292	3630	540	14	26	> 5000	> 10000	1.74	79			0.6	7	1.65	34	32	3.34	10	4	0.34	18
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
OREAS 263 (Aqua Regia) Meas																							
OREAS 263 (Aqua Regia) Cert																							
Oreas 623 (Aqua Regia) Meas																							

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	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
Method Code	FA-AA	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 623 (Aqua Regia) Cert																							
Oreas 237 (Fire Assay) Meas	2270																						
Oreas 237 (Fire Assay) Cert	2210																						
Oreas E1336 (Fire Assay) Meas	527																						
Oreas E1336 (Fire Assay) Cert	510																						
OREAS 521 (Aqua Regia) Meas																							
OREAS 521 (Aqua Regia) Cert																							
619414 Orig																							
619414 Dup																							
619415 Orig	10																						
619415 Dup	11																						
619416 Orig																							
619416 Dup																							
619417 Orig		0.4	10.1	149	49	2	68	11	4080	0.34	196	< 10	< 10	< 0.5	4	0.05	239	11	13.9	< 10	1	0.10	< 10
619417 Dup		0.4	10.0	147	49	2	67	11	4070	0.34	202	< 10	< 10	< 0.5	4	0.05	249	11	14.5	< 10	2	0.10	< 10
Method Blank																							
Method Blank																							
Method Blank	< 5																						
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
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
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
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
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
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
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
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

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Ti	S	P	Li	Be	B	Na
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	%
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.001	1	0.001	0.1	0.1	1	0.001
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-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-6 Meas	0.41	0.126	0.034	0.01	3	22	33		< 20	< 1	< 2	< 10	169	< 10	5	4							
GXR-6 Cert	0.609	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							
GXR-6 Meas	0.39	0.129	0.034	0.01	3	21	30		< 20	< 1	3	< 10	170	< 10	4	8							
GXR-6 Cert	0.609	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							
GXR-6 Meas	0.41	0.130	0.036	0.01	3	21	31		< 20	< 1	< 2	< 10	175	< 10	4	8							
GXR-6 Cert	0.609	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							
GXR-6 Meas	0.39	0.123	0.034	0.01	3	21	31		< 20	< 1	< 2	< 10	172	< 10	4	7							
GXR-6 Cert	0.609	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 98 (Aqua Regia) Meas					18																		
OREAS 98 (Aqua Regia) Cert					15																		
OREAS 98 (Aqua Regia) Meas					19																		
OREAS 98 (Aqua Regia) Cert					15																		
OREAS 98 (Aqua Regia) Meas					18																		
OREAS 98 (Aqua Regia) Cert					15																		
PK2 Meas																							
PK2 Cert																							
OREAS 922 (AQUA REGIA) Meas	1.42	0.027	0.062	0.37	2	4	18		< 20		< 2	< 10	35	< 10	20	9							
OREAS 922 (AQUA REGIA) Cert	1.33	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	1.35	0.030	0.063	0.37	< 2	4	17		< 20		< 2	< 10	36	< 10	16	21							
OREAS 922 (AQUA REGIA) Cert	1.33	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	1.38	0.032	0.064	0.38	< 2	4	17		< 20		< 2	< 10	37	< 10	16	13							
OREAS 922 (AQUA REGIA) Cert	1.33	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	1.34	0.030	0.061	0.37	3	4	16		< 20		< 2	< 10	35	< 10	15	15							
OREAS 922 (AQUA REGIA) Cert	1.33	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 923 (AQUA REGIA) Meas	1.50		0.060	0.67	3	4	17		< 20		< 2	< 10	35	< 10	18	22							
OREAS 923 (AQUA REGIA) Cert	1.43		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 923 (AQUA REGIA) Meas	1.48		0.060	0.69	2	4	15		< 20		< 2	< 10	36	< 10	15	23							
OREAS 923 (AQUA REGIA) Cert	1.43		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 923	1.49		0.061	0.68	2	4	15		< 20		< 2	< 10	36	< 10	15	18							

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Ti	S	P	Li	Be	B	Na
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	%
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.001	1	0.001	0.1	0.1	1	0.001
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-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
(AQUA REGIA) Meas																							
OREAS 923 (AQUA REGIA) Cert	1.43		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 923 (AQUA REGIA) Meas	1.44		0.059	0.66	3	4	15		< 20			< 2	< 10	35	< 10	14	13						
OREAS 923 (AQUA REGIA) Cert	1.43		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 96 (Aqua Regia) Meas				3.76	6																		
Oreas 96 (Aqua Regia) Cert				4.38	4.53																		
Oreas 96 (Aqua Regia) Meas				3.97	7																		
Oreas 96 (Aqua Regia) Cert				4.38	4.53																		
Oreas 96 (Aqua Regia) Meas				3.93	7																		
Oreas 96 (Aqua Regia) Cert				4.38	4.53																		
Oreas 96 (Aqua Regia) Meas				3.80	7																		
Oreas 96 (Aqua Regia) Cert				4.38	4.53																		
OREAS 907 (Aqua Regia) Meas																	0.016	< 1	0.019	4.2	0.8		0.072
OREAS 907 (Aqua Regia) Cert																	0.0170	0.0660	0.0240	4.05	0.870		0.0860
CDN-PGMS-27 Meas																							
CDN-PGMS-27 Cert																							
Oreas 621 (Aqua Regia) Meas	0.46	0.148	0.031	4.37	83	3	19		< 20			< 2	< 10	13	< 10	7	32						
Oreas 621 (Aqua Regia) Cert	0.436	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 621 (Aqua Regia) Meas	0.44	0.152	0.034	4.37	105	2	19		< 20			< 2	< 10	13	< 10	6	70						
Oreas 621 (Aqua Regia) Cert	0.436	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 621 (Aqua Regia) Meas	0.42	0.145	0.033	4.40	108	2	19		< 20			< 2	< 10	12	< 10	6	67						
Oreas 621 (Aqua Regia) Cert	0.436	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 621 (Aqua Regia) Meas	0.44	0.155	0.034	4.65	108	2	19		< 20			< 2	< 10	13	< 10	6	69						
Oreas 621 (Aqua Regia) Cert	0.436	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																		< 1	0.044	18.6	1.2		0.077
OREAS 263 (Aqua Regia) Cert																		0.126	0.0410	20.1	1.22		0.0790
Oreas 623 (Aqua Regia) Meas																		8	0.041	8.9	0.4		0.060

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Ti	S	P	Li	Be	B	Na
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	%
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.001	1	0.001	0.1	0.1	1	0.001
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-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
Oreas 623 (Aqua Regia) Cert																		8.75	0.0400	10.0	0.370		0.0680
Oreas 237 (Fire Assay) Meas																							
Oreas 237 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
OREAS 521 (Aqua Regia) Meas																	0.136	1	0.075	13.9	0.4		0.046
OREAS 521 (Aqua Regia) Cert																	0.141	2	0.081	16.7	0.5		0.045
619414 Orig																							
619414 Dup																							
619415 Orig																							
619415 Dup																							
619416 Orig																	0.050	< 1	0.009	8.0	0.3	13	0.341
619416 Dup																	0.047	< 1	0.008	7.7	0.4	13	0.339
619417 Orig	0.04	0.027	0.016	17.3	6	1	5	< 0.01	< 20	3	< 2	< 10	8	< 10	1	33							
619417 Dup	0.04	0.027	0.016	17.3	6	1	5	< 0.01	< 20	7	< 2	< 10	9	< 10	1	33							
Method Blank																	< 0.001	< 1	< 0.001	< 0.1	< 0.1	< 1	0.007
Method Blank																							
Method Blank	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1							
Method Blank	< 0.01	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1							
Method Blank	< 0.01	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1							
Method Blank	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1							
Method Blank	< 0.01	0.009	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1							
Method Blank	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1							
Method Blank	< 0.01	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1							
Method Blank	< 0.01	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1							

Analyte Symbol	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Rb	Sr	Y	Zr	Nb	Mo
Unit Symbol	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.02	0.01	0.1	1	1	1	0.01	0.1	0.1	0.2	0.1	0.02	0.1	0.1	0.1	0.5	0.01	0.1	0.1	0.01
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-6 Meas																							
GXR-6 Cert																							
GXR-6 Meas																							
GXR-6 Cert																							
GXR-6 Meas																							
GXR-6 Cert																							
GXR-6 Meas																							
GXR-6 Cert																							
OREAS 98 (Aqua Regia) Meas																							
OREAS 98 (Aqua Regia) Cert																							
OREAS 98 (Aqua Regia) Meas																							
OREAS 98 (Aqua Regia) Cert																							
OREAS 98 (Aqua Regia) Meas																							
OREAS 98 (Aqua Regia) Cert																							
PK2 Meas																							
PK2 Cert																							
OREAS 922 (AQUA REGIA) Meas																							
OREAS 922 (AQUA REGIA) Cert																							
OREAS 922 (AQUA REGIA) Meas																							
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OREAS 923 (AQUA REGIA) Meas																							
OREAS 923 (AQUA REGIA) Cert																							
OREAS 923																							

Analyte Symbol	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Rb	Sr	Y	Zr	Nb	Mo
Unit Symbol	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.02	0.01	0.1	1	1	1	0.01	0.1	0.1	0.2	0.1	0.02	0.1	0.1	0.1	0.5	0.01	0.1	0.1	0.01
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
(AQUA REGIA) Meas																							
OREAS 923 (AQUA REGIA) Cert																							
OREAS 923 (AQUA REGIA) Meas																							
OREAS 923 (AQUA REGIA) Cert																							
Oreas 96 (Aqua Regia) Meas																							
Oreas 96 (Aqua Regia) Cert																							
Oreas 96 (Aqua Regia) Meas																							
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Oreas 96 (Aqua Regia) Meas																							
Oreas 96 (Aqua Regia) Cert																							
Oreas 96 (Aqua Regia) Meas																							
Oreas 96 (Aqua Regia) Cert																							
OREAS 907 (Aqua Regia) Meas	0.20	1.04	0.31	22.2	0.27	2.0	5	8	323	7.75	41.8	4.7	6220	144	14.4		34.6	15.8	12.5	6.37	7.4		5.06
OREAS 907 (Aqua Regia) Cert	0.221	0.945	0.286	22.3	0.280	2.16	5.12	8.59	330	8.18	43.7	4.74	6370	139	14.7		37.0	16.7	11.7	6.52	43.7		5.64
CDN-PGMS-27 Meas																							
CDN-PGMS-27 Cert																							
Oreas 621 (Aqua Regia) Meas																							
Oreas 621 (Aqua Regia) Cert																							
Oreas 621 (Aqua Regia) Meas																							
Oreas 621 (Aqua Regia) Cert																							
Oreas 621 (Aqua Regia) Meas																							
Oreas 621 (Aqua Regia) Cert																							
Oreas 621 (Aqua Regia) Meas																							
Oreas 621 (Aqua Regia) Cert																							
Oreas 621 (Aqua Regia) Meas																							
Oreas 621 (Aqua Regia) Cert																							
OREAS 263 (Aqua Regia) Meas	0.57	1.64	0.34	0.59	1.09	3.4	25	54	515	3.68	31.5	73.0	85.8	120	4.90		30.3		18.6	11.7			0.61
OREAS 263 (Aqua Regia) Cert	0.593	1.29	0.288	0.570	1.03	3.52	22.8	48.0	490	3.68	31.0	72.0	87.0	127	4.92		30.8		16.9	12.0			0.570
Oreas 623 (Aqua Regia) Meas	0.99	1.55	0.16	18.0	1.03	4.7	15	19	572	12.9	218	15.4	> 10000	> 5000	12.9		78.3		11.5	7.65	59.5		9.08

Analyte Symbol	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Rb	Sr	Y	Zr	Nb	Mo
Unit Symbol	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.01	0.02	0.01	0.1	1	1	1	0.01	0.1	0.1	0.2	0.1	0.02	0.1	0.1	0.1	0.5	0.01	0.1	0.1	0.01
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
Oreas 623 (Aqua Regia) Cert	1.11	1.80	0.175	16.9	1.09	4.63	15.8	19.4	570	13.0	216	15.6	17200	10100	11.9		76.0		14.2	7.43	50.0		8.38
Oreas 237 (Fire Assay) Meas																							
Oreas 237 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
OREAS 521 (Aqua Regia) Meas	1.04	1.14	0.44	5.96	3.42	9.3	197	33	3100	20.3	389	72.0	6020	27.8	12.6	0.1	326	25.8	32.0	13.7	40.9	0.6	131
OREAS 521 (Aqua Regia) Cert	1.10	1.44	0.53	5.84	3.66	10	200	33	3000	20.0	374	68.0	5990	23.6	14.3	0.3	333	31.8	54.0	15.0	38.3	0.5	133
619414 Orig																							
619414 Dup																							
619415 Orig																							
619415 Dup																							
619416 Orig	4.85	2.32	0.20	< 0.02	4.80	2.2	7	18	118	0.79	3.4	8.8	1.3	14.0	6.44	< 0.1	1.2	6.2	31.5	6.78	18.0	< 0.1	0.18
619416 Dup	4.76	2.10	0.19	< 0.02	4.61	2.0	6	16	114	0.76	3.1	8.5	0.7	12.8	5.91	< 0.1	1.2	6.0	30.3	6.09	21.2	< 0.1	0.14
619417 Orig																							
619417 Dup																							
Method Blank	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.1	2	< 1	< 1	< 0.01	< 0.1	< 0.1	0.5	< 0.1	0.04	< 0.1	0.3	< 0.1	< 0.5	< 0.01	< 0.1	< 0.1	0.02
Method Blank																							
Method Blank																							
Method Blank																							
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Analyte Symbol	Ag	In	Sn	Sb	Te	Cs	Ba	La	Ce	Cd	Pr	Nd	Sm	Se	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.002	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-6 Meas																							
GXR-6 Cert																							
GXR-6 Meas																							
GXR-6 Cert																							
GXR-6 Meas																							
GXR-6 Cert																							
GXR-6 Meas																							
GXR-6 Cert																							
OREAS 98 (Aqua Regia) Meas																							
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OREAS 98 (Aqua Regia) Meas																							
OREAS 98 (Aqua Regia) Cert																							
OREAS 98 (Aqua Regia) Meas																							
OREAS 98 (Aqua Regia) Cert																							
PK2 Meas																							
PK2 Cert																							
OREAS 922 (AQUA REGIA) Meas																							
OREAS 922 (AQUA REGIA) Cert																							
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OREAS 923 (AQUA REGIA) Meas																							
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OREAS 923 (AQUA REGIA) Cert																							
OREAS 923																							

Analyte Symbol	Ag	In	Sn	Sb	Te	Cs	Ba	La	Ce	Cd	Pr	Nd	Sm	Se	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.002	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
(AQUA REGIA) Meas																							
OREAS 923 (AQUA REGIA) Cert																							
OREAS 923 (AQUA REGIA) Meas																							
OREAS 923 (AQUA REGIA) Cert																							
Oreas 96 (Aqua Regia) Meas																							
Oreas 96 (Aqua Regia) Cert																							
Oreas 96 (Aqua Regia) Meas																							
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Oreas 96 (Aqua Regia) Meas																							
Oreas 96 (Aqua Regia) Cert																							
Oreas 96 (Aqua Regia) Meas																							
Oreas 96 (Aqua Regia) Cert																							
OREAS 907 (Aqua Regia) Meas	1.23	2.26	2.47	2.34	0.27	1.28	199	34.3	71.8	0.50	7.9	29.2	4.9	9.1	0.9	3.6	0.4	1.8	0.2	0.5	< 0.1	0.3	< 0.1
OREAS 907 (Aqua Regia) Cert	1.30	2.35	2.34	2.28	0.230	1.17	225	36.1	73.0	0.540	7.36	27.8	4.79	9.05	0.950	3.45	0.430	1.63	0.210	0.430	0.0490	0.290	0.0390
CDN-PGMS-27 Meas																							
CDN-PGMS-27 Cert																							
Oreas 621 (Aqua Regia) Meas																							
Oreas 621 (Aqua Regia) Cert																							
Oreas 621 (Aqua Regia) Meas																							
Oreas 621 (Aqua Regia) Cert																							
Oreas 621 (Aqua Regia) Meas																							
Oreas 621 (Aqua Regia) Cert																							
Oreas 621 (Aqua Regia) Meas																							
Oreas 621 (Aqua Regia) Cert																							
Oreas 621 (Aqua Regia) Meas																							
Oreas 621 (Aqua Regia) Cert																							
OREAS 263 (Aqua Regia) Meas	0.303	0.03		7.60	0.24		181			0.32			4.6		0.8	4.0	0.5	2.6	0.4	1.2		1.0	
OREAS 263 (Aqua Regia) Cert	0.285	0.0290		7.37	0.210		175			0.270			4.41		0.850	3.89	0.500	2.64	0.430	1.29		0.990	
Oreas 623 (Aqua Regia) Meas	19.8	1.92	4.02	19.4	0.63	0.79		16.3	35.2	50.6				20.0			0.3					0.9	0.1

Analyte Symbol	Ag	In	Sn	Sb	Te	Cs	Ba	La	Ce	Cd	Pr	Nd	Sm	Se	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.002	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
Oreas 623 (Aqua Regia) Cert	20.4	1.94	4.07	20.2	0.570	0.750		17.9	36.4	52.0				18.6			0.340					0.800	0.120
Oreas 237 (Fire Assay) Meas																							
Oreas 237 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
OREAS 521 (Aqua Regia) Meas	0.819	0.16	5.69	3.70	0.76	0.52		108	109					2.4			0.4					1.4	0.2
OREAS 521 (Aqua Regia) Cert	0.817	0.17	5.78	3.65	0.74	0.55		147	121					2.4			0.5					1.5	0.2
619414 Orig																							
619414 Dup																							
619415 Orig																							
619415 Dup																							
619416 Orig	0.006	< 0.02	0.56	0.04	0.03	0.28	139	7.1	18.3	0.03	2.3	8.86	1.4	0.4	0.3	1.5	0.2	1.3	0.3	0.8	0.1	0.8	0.1
619416 Dup	0.008	< 0.02	0.55	0.04	0.04	0.31	134	6.6	17.3	0.03	2.1	8.36	1.5	0.4	0.2	1.4	0.2	1.3	0.2	0.7	0.1	0.7	< 0.1
619417 Orig																							
619417 Dup																							
Method Blank	0.002	< 0.02	< 0.05	0.02	< 0.02	< 0.02	5.3	< 0.5	0.02	< 0.01	< 0.1	< 0.02	< 0.1	0.6	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank																							
Method Blank																							
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Method Blank																							
Method Blank																							

Analyte Symbol	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	Hg	Au	Pd	Pt
Unit Symbol	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb
Lower Limit	0.1	0.05	0.1	0.001	0.5	0.02	0.1	0.1	0.1	10	2	5	5
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	FA-ICP	FA-ICP	FA-ICP
GXR-6 Meas													
GXR-6 Cert													
GXR-6 Meas													
GXR-6 Cert													
GXR-6 Meas													
GXR-6 Cert													
GXR-6 Meas													
GXR-6 Cert													
OREAS 98 (Aqua Regia) Meas													
OREAS 98 (Aqua Regia) Cert													
OREAS 98 (Aqua Regia) Meas													
OREAS 98 (Aqua Regia) Cert													
OREAS 98 (Aqua Regia) Meas													
OREAS 98 (Aqua Regia) Cert													
PK2 Meas											4910	6150	4880
PK2 Cert											4785	5918	4749
OREAS 922 (AQUA REGIA) Meas													
OREAS 922 (AQUA REGIA) Cert													
OREAS 922 (AQUA REGIA) Meas													
OREAS 922 (AQUA REGIA) Cert													
OREAS 922 (AQUA REGIA) Meas													
OREAS 922 (AQUA REGIA) Cert													
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OREAS 922 (AQUA REGIA) Meas													
OREAS 922 (AQUA REGIA) Cert													
OREAS 923 (AQUA REGIA) Meas													
OREAS 923 (AQUA REGIA) Cert													
OREAS 923 (AQUA REGIA) Meas													
OREAS 923 (AQUA REGIA) Cert													
OREAS 923 (AQUA REGIA) Meas													
OREAS 923 (AQUA REGIA) Cert													
OREAS 923													

Analyte Symbol	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	Hg	Au	Pd	Pt
Unit Symbol	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb
Lower Limit	0.1	0.05	0.1	0.001	0.5	0.02	0.1	0.1	0.1	10	2	5	5
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	FA-ICP	FA-ICP	FA-ICP
(AQUA REGIA) Meas													
OREAS 923 (AQUA REGIA) Cert													
OREAS 923 (AQUA REGIA) Meas													
OREAS 923 (AQUA REGIA) Cert													
Oreas 96 (Aqua Regia) Meas													
Oreas 96 (Aqua Regia) Cert													
Oreas 96 (Aqua Regia) Meas													
Oreas 96 (Aqua Regia) Cert													
Oreas 96 (Aqua Regia) Meas													
Oreas 96 (Aqua Regia) Cert													
Oreas 96 (Aqua Regia) Meas													
Oreas 96 (Aqua Regia) Cert													
Oreas 96 (Aqua Regia) Meas													
Oreas 96 (Aqua Regia) Cert													
OREAS 907 (Aqua Regia) Meas	0.1		0.9		100	0.13	34.1	8.2	2.2				
OREAS 907 (Aqua Regia) Cert	1.09		0.980		101	0.120	34.1	8.04	2.15				
CDN-PGMS-27 Meas											5040	2090	1370
CDN-PGMS-27 Cert											4800	2000	1290.00
Oreas 621 (Aqua Regia) Meas													
Oreas 621 (Aqua Regia) Cert													
Oreas 621 (Aqua Regia) Meas													
Oreas 621 (Aqua Regia) Cert													
Oreas 621 (Aqua Regia) Meas													
Oreas 621 (Aqua Regia) Cert													
Oreas 621 (Aqua Regia) Meas													
Oreas 621 (Aqua Regia) Cert													
Oreas 621 (Aqua Regia) Meas													
Oreas 621 (Aqua Regia) Cert													
OREAS 263 (Aqua Regia) Meas						0.56	38.8	11.5	1.3	180			
OREAS 263 (Aqua Regia) Cert						0.530	34.0	10.6	1.28	170			
Oreas 623 (Aqua Regia) Meas	1.7		3.2		846	0.27	2560	4.6	1.5	810			

Analyte Symbol	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	Hg	Au	Pd	Pt
Unit Symbol	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb
Lower Limit	0.1	0.05	0.1	0.001	0.5	0.02	0.1	0.1	0.1	10	2	5	5
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	FA-ICP	FA-ICP	FA-ICP
Oreas 623 (Aqua Regia) Cert	1.32		2.62		797	0.260	2520	4.72	1.43	830			
Oreas 237 (Fire Assay) Meas													
Oreas 237 (Fire Assay) Cert													
Oreas E1336 (Fire Assay) Meas													
Oreas E1336 (Fire Assay) Cert													
OREAS 521 (Aqua Regia) Meas	1.1		71.2		378	0.11	9.1	6.1	26.2				
OREAS 521 (Aqua Regia) Cert	1.0		71.0		365	0.11	9.0	7.8	28.2				
619414 Orig											21	673	90
619414 Dup											21	678	92
619415 Orig													
619415 Dup													
619416 Orig	0.3	< 0.05	0.1	0.001	< 0.5	< 0.02	1.1	4.0	0.7	20			
619416 Dup	0.6	< 0.05	0.2	0.001	< 0.5	< 0.02	1.0	3.8	0.6	< 10			
619417 Orig													
619417 Dup													
Method Blank	< 0.1	< 0.05	< 0.1	< 0.001	2.5	< 0.02	< 0.1	< 0.1	< 0.1	100			
Method Blank											6	< 5	< 5
Method Blank													
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Report No.: A21-15932
Report Date: 13-Sep-21
Date Submitted: 20-Aug-21
Your Reference:

Bill Richmond
413 Lillian St
Thunder bay Ontario
Canada

ATTN: Bill Richmond

CERTIFICATE OF ANALYSIS

4 Rock samples were submitted for analysis.

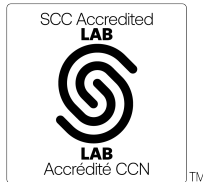
Table with 3 columns: Analytical package requested, Method, and Testing Date. Rows include 1C-OES-Tbay, 1E3-Tbay, QOP PGE-OES (Fire Assay ICPOES), and QOP AquaGeo (Aqua Regia ICPOES).

REPORT A21-15932

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.



LabID: 673

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CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

Results

Activation Laboratories Ltd.

Report: A21-15932

Analyte Symbol	Au	Pd	Pt	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg
Unit Symbol	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	2	5	5	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
Method Code	FA-ICP	FA-ICP	FA-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
619422	14	708	120	< 0.2	< 0.5	107	446	< 1	924	2	80	2.08	3	< 10	12	< 0.5	3	0.83	58	1440	3.91	< 10	< 1
619423	19	660	122	< 0.2	< 0.5	123	425	< 1	1010	< 2	67	1.76	3	< 10	63	< 0.5	< 2	1.05	58	1260	3.95	< 10	< 1
619424	15	626	99	< 0.2	< 0.5	118	438	< 1	800	< 2	68	1.73	< 2	< 10	51	< 0.5	< 2	1.05	49	1270	3.70	< 10	< 1
619425	16	615	128	< 0.2	< 0.5	121	437	< 1	880	< 2	76	1.86	< 2	< 10	< 10	< 0.5	< 2	0.93	53	1340	3.85	< 10	< 1

Results

Activation Laboratories Ltd.

Report: A21-15932

Analyte Symbol	K	La	Mg	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	ppm
Lower Limit	0.01	10	0.01	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	AR-ICP	AR-ICP	AR-ICP
619422	0.02	< 10	3.41	0.030	0.017	0.26	8	2	3	0.06	< 20	2	< 2	< 10	25	< 10	< 1	5
619423	0.16	< 10	3.23	0.041	0.015	0.33	6	2	5	0.07	< 20	4	< 2	< 10	24	< 10	1	7
619424	0.13	< 10	3.17	0.039	0.021	0.24	7	2	4	0.06	< 20	< 1	< 2	< 10	23	< 10	< 1	6
619425	< 0.01	< 10	3.27	0.033	0.015	0.46	7	2	3	0.05	< 20	< 1	< 2	< 10	22	< 10	< 1	5

Analyte Symbol	Au	Pd	Pt	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg
Unit Symbol	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	2	5	5	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
Method Code	FA-ICP	FA-ICP	FA-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-6 Meas				0.3	< 0.5	71	1050	1	24	96	128	6.77	233	< 10	596	0.8	< 2	0.11	14	72	5.61	20	1
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
GXR-6 Meas				0.3	< 0.5	68	1040	< 1	23	95	126	6.60	227	< 10	578	0.7	< 2	0.11	13	70	5.49	20	2
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
GXR-6 Meas				0.3	< 0.5	71	1060	< 1	25	97	131	6.88	234	< 10	597	0.8	< 2	0.11	14	72	5.84	20	3
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
GXR-6 Meas				0.4	< 0.5	70	1030	< 1	23	95	130	6.79	232	< 10	584	0.7	< 2	0.10	14	70	5.78	20	< 1
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
OREAS 98 (Aqua Regia) Meas				42.4		> 10000				266	1230						26		108				
OREAS 98 (Aqua Regia) Cert				42.8		147000				343	1300						93		111				
OREAS 98 (Aqua Regia) Meas				42.1		> 10000				260	1240						23		106				
OREAS 98 (Aqua Regia) Cert				42.8		147000				343	1300						93		111				
OREAS 98 (Aqua Regia) Meas				40.6		> 10000				253	1200						17		103				
OREAS 98 (Aqua Regia) Cert				42.8		147000				343	1300						93		111				
OREAS 98 (Aqua Regia) Meas				37.8		> 10000				262	1200						62		102				
OREAS 98 (Aqua Regia) Cert				42.8		147000				343	1300						93		111				
PK2 Meas	5040	6170	4990																				
PK2 Cert	4785	5918	4749																				
OREAS 922 (AQUA REGIA) Meas				0.9	< 0.5	2210	751	< 1	34	63	256	2.84	8		63	0.7	8	0.37	19	39	5.03	< 10	
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	
OREAS 922 (AQUA REGIA) Meas				0.9	< 0.5	2250	771	< 1	35	66	269	2.96	8		67	0.7	9	0.39	19	40	5.18	< 10	
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	
OREAS 922 (AQUA REGIA) Meas				0.8	< 0.5	2130	737	< 1	33	60	267	2.90	8		70	0.7	9	0.38	20	39	5.00	< 10	
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	
OREAS 922 (AQUA REGIA) Meas				1.0	< 0.5	2270	780	< 1	35	65	280	3.06	9		74	0.8	9	0.41	20	41	5.23	< 10	
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	
OREAS 923 (AQUA REGIA) Meas				1.6	< 0.5	4370	866	< 1	31	79	352	2.93	8		53	0.6	13	0.39	23	38	5.84	< 10	
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	
OREAS 923 (AQUA REGIA) Meas				5.0	< 0.5	4370	865	< 1	32	83	349	2.93	10		54	0.6	20	0.39	22	37	5.99	< 10	

Analyte Symbol	Au	Pd	Pt	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg
Unit Symbol	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	2	5	5	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
Method Code	FA-ICP	FA-ICP	FA-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 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	
OREAS 923 (AQUA REGIA) Meas				1.8	< 0.5	4620	915	< 1	36	81	351	3.13	7		61	0.7	21	0.43	24	49	6.44	< 10	
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	
OREAS 923 (AQUA REGIA) Meas				1.7	< 0.5	4520	907	< 1	33	82	382	3.13	10		61	0.7	26	0.42	24	39	6.20	< 10	
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	
Oreas 96 (Aqua Regia) Meas				11.3		> 10000				86	433						16		47				
Oreas 96 (Aqua Regia) Cert				11.50		39100.00				100	448						27.9		49.2				
Oreas 96 (Aqua Regia) Meas				11.6		> 10000				88	447						13		47				
Oreas 96 (Aqua Regia) Cert				11.50		39100.00				100	448						27.9		49.2				
Oreas 96 (Aqua Regia) Meas				11.6		> 10000				86	446						27		47				
Oreas 96 (Aqua Regia) Cert				11.50		39100.00				100	448						27.9		49.2				
Oreas 621 (Aqua Regia) Meas				70.3	279	3570	550	13	24	> 5000	> 10000	1.79	79			0.6	9	1.63	31	28	3.22	< 10	3
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
Oreas 621 (Aqua Regia) Meas				67.5	266	3480	530	13	22	> 5000	> 10000	1.74	81			0.6	5	1.57	30	25	3.14	< 10	3
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
Oreas 621 (Aqua Regia) Meas				67.6	271	3390	514	12	24	> 5000	> 10000	1.70	75			0.5	< 2	1.56	30	27	3.14	< 10	3
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
Oreas 621 (Aqua Regia) Meas				68.4	282	3490	519	13	26	> 5000	> 10000	1.80	79			0.6	4	1.54	31	31	3.41	< 10	4
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
CDN-PGMS-30 Meas	2060	1770	246																				
CDN-PGMS-30 Cert	1897.00	1660.00	223.000																				
619423 Orig	19	661	122																				
619423 Dup	19	660	123																				
Method Blank	< 2	< 5	< 5																				
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
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
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
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
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
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
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

Analyte Symbol	K	La	Mg	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	ppm
Lower Limit	0.01	10	0.01	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	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.98	< 10	0.40	0.067	0.033	0.01	5	16	23		< 20	< 1	< 2	< 10	155	< 10	3	5
GXR-6 Cert	1.87	13.9	0.609	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
GXR-6 Meas	0.94	< 10	0.39	0.065	0.032	0.01	4	15	23		< 20	< 1	< 2	< 10	156	< 10	3	5
GXR-6 Cert	1.87	13.9	0.609	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
GXR-6 Meas	1.02	< 10	0.41	0.070	0.034	0.01	4	16	24		< 20	< 1	< 2	< 10	162	< 10	3	5
GXR-6 Cert	1.87	13.9	0.609	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
GXR-6 Meas	1.04	< 10	0.40	0.071	0.033	0.01	4	15	24		< 20	< 1	< 2	< 10	162	< 10	3	6
GXR-6 Cert	1.87	13.9	0.609	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 98 (Aqua Regia) Meas							18											
OREAS 98 (Aqua Regia) Cert							15											
OREAS 98 (Aqua Regia) Meas							16											
OREAS 98 (Aqua Regia) Cert							15											
OREAS 98 (Aqua Regia) Meas							16											
OREAS 98 (Aqua Regia) Cert							15											
OREAS 98 (Aqua Regia) Meas							22											
OREAS 98 (Aqua Regia) Cert							15											
PK2 Meas																		
PK2 Cert																		
OREAS 922 (AQUA REGIA) Meas	0.43	30	1.30	0.022	0.061	0.37	< 2	3	15		< 20		< 2	< 10	32	< 10	14	15
OREAS 922 (AQUA REGIA) Cert	0.376	32.5	1.33	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	0.45	31	1.34	0.024	0.063	0.38	< 2	4	16		< 20		< 2	< 10	34	< 10	15	16
OREAS 922 (AQUA REGIA) Cert	0.376	32.5	1.33	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	0.48	30	1.29	0.028	0.060	0.36	< 2	4	16		< 20		< 2	< 10	34	< 10	15	14
OREAS 922 (AQUA REGIA) Cert	0.376	32.5	1.33	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	0.47	32	1.36	0.026	0.063	0.38	2	4	17		< 20		< 2	< 10	37	< 10	16	19
OREAS 922 (AQUA REGIA) Cert	0.376	32.5	1.33	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 923 (AQUA REGIA) Meas	0.38	28	1.41		0.059	0.67	3	3	14		< 20		< 2	< 10	33	< 10	14	22
OREAS 923 (AQUA REGIA) Cert	0.322	30.0	1.43		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 923 (AQUA REGIA) Meas	0.38	28	1.42		0.059	0.68	< 2	3	14		< 20		< 2	< 10	33	< 10	14	22

Analyte Symbol	K	La	Mg	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	ppm
Lower Limit	0.01	10	0.01	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	AR-ICP	AR-ICP	AR-ICP
OREAS 923 (AQUA REGIA) Cert	0.322	30.0	1.43		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 923 (AQUA REGIA) Meas	0.46	37	1.48		0.061	0.66	4	4	17		20		< 2	< 10	32	< 10	21	21
OREAS 923 (AQUA REGIA) Cert	0.322	30.0	1.43		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 923 (AQUA REGIA) Meas	0.40	30	1.48		0.062	0.68	2	4	16		< 20		< 2	< 10	37	< 10	15	29
OREAS 923 (AQUA REGIA) Cert	0.322	30.0	1.43		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 96 (Aqua Regia) Meas						3.84	5											
Oreas 96 (Aqua Regia) Cert						4.38	4.53											
Oreas 96 (Aqua Regia) Meas						3.91	5											
Oreas 96 (Aqua Regia) Cert						4.38	4.53											
Oreas 96 (Aqua Regia) Meas						3.98	8											
Oreas 96 (Aqua Regia) Cert						4.38	4.53											
Oreas 621 (Aqua Regia) Meas	0.35	17	0.44	0.156	0.032	4.81	90	3	18		< 20		< 2	< 10	12	< 10	7	51
Oreas 621 (Aqua Regia) Cert	0.333	19.4	0.436	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 621 (Aqua Regia) Meas	0.34	18	0.42	0.160	0.032	4.60	106	2	19		< 20		< 2	< 10	12	< 10	6	56
Oreas 621 (Aqua Regia) Cert	0.333	19.4	0.436	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 621 (Aqua Regia) Meas	0.34	17	0.42	0.153	0.032	4.52	101	2	18		< 20		< 2	< 10	12	< 10	6	55
Oreas 621 (Aqua Regia) Cert	0.333	19.4	0.436	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 621 (Aqua Regia) Meas	0.37	19	0.42	0.159	0.032	4.17	111	2	19		< 20		< 2	< 10	11	< 10	8	64
Oreas 621 (Aqua Regia) Cert	0.333	19.4	0.436	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
CDN-PGMS-30 Meas																		
CDN-PGMS-30 Cert																		
619423 Orig																		
619423 Dup																		
Method Blank																		
Method Blank	< 0.01	< 10	< 0.01	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	< 10	< 0.01	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	< 10	< 0.01	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	< 10	< 0.01	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	< 10	< 0.01	0.009	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	< 10	< 0.01	0.009	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	< 10	< 0.01	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	< 10	< 0.01	0.010	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1



Report No.: A21-20661
Report Date: 01-Dec-21
Date Submitted: 02-Nov-21
Your Reference:

Bill Richmond
413 Lillian St
Thunder bay Ontario
Canada

ATTN: Bill Richmond

CERTIFICATE OF ANALYSIS

3 Rock samples were submitted for analysis.

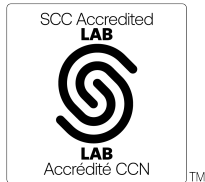
Table with 3 columns: Analytical package requested, Method, and Testing Date. Rows include 1C-OES-Tbay, 1E3-Tbay, QOP PGE-OES, and QOP AquaGeo.

REPORT A21-20661

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Notes:

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



LabID: 673

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CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

Results

Activation Laboratories Ltd.

Report: A21-20661

Analyte Symbol	Au	Pd	Pt	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg
Unit Symbol	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	2	5	5	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
Method Code	FA-ICP	FA-ICP	FA-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
619426	< 2	< 5	< 5	< 0.2	< 0.5	25	231	3	4	25	27	0.34	< 2	< 10	40	< 0.5	< 2	0.31	4	8	1.05	< 10	< 1
619427	12	< 5	< 5	0.3	< 0.5	199	684	3	27	14	37	0.37	< 2	< 10	61	0.6	< 2	0.65	26	18	17.0	< 10	< 1
619428	< 2	< 5	< 5	< 0.2	< 0.5	105	538	< 1	41	< 2	26	1.78	< 2	< 10	24	< 0.5	< 2	2.37	22	91	4.19	< 10	< 1

Results

Activation Laboratories Ltd.

Report: A21-20661

Analyte Symbol	K	La	Mg	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	ppm
Lower Limit	0.01	10	0.01	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	AR-ICP	AR-ICP	AR-ICP
619426	0.02	24	0.13	0.177	0.018	0.06	< 2	1	25	0.03	< 20	2	< 2	< 10	13	< 10	7	27
619427	0.02	68	0.30	0.129	0.046	0.62	6	3	15	0.06	< 20	< 1	< 2	< 10	59	< 10	9	8
619428	0.10	< 10	1.74	0.449	0.031	0.03	< 2	15	10	0.20	< 20	3	< 2	< 10	142	< 10	11	4

Analyte Symbol	Au	Pd	Pt	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg
Unit Symbol	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	2	5	5	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
Method Code	FA-ICP	FA-ICP	FA-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-6 Meas				0.3	< 0.5	62	926	1	21	85	112	5.83	187	< 10	756	0.8	< 2	0.15	13	66	4.87	10	2
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
GXR-6 Meas				0.3	< 0.5	64	940	1	22	83	114	5.92	196	< 10	757	0.8	< 2	0.15	12	66	4.98	10	2
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
OREAS 922 (AQUA REGIA) Meas				1.0	< 0.5	2130	737	< 1	32	56	249	2.53	3		71	0.7	8	0.39	21	39	4.79	< 10	
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	
OREAS 922 (AQUA REGIA) Meas				1.1	< 0.5	2240	757	< 1	34	57	251	2.62	6		71	0.7	7	0.39	18	41	5.02	< 10	
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	
OREAS 923 (AQUA REGIA) Meas				1.8	< 0.5	4270	825	< 1	32	76	326	2.57	5		58	0.6	20	0.39	20	39	5.65	< 10	
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	
OREAS 923 (AQUA REGIA) Meas				1.6	< 0.5	4430	839	< 1	33	75	325	2.61	6		58	0.6	19	0.39	21	39	5.78	< 10	
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	
Oreas 96 (Aqua Regia) Meas				10.6		> 10000				88	408						75		46				
Oreas 96 (Aqua Regia) Cert				11.50		39100.00				100	448						27.9		49.2				
Oreas 621 (Aqua Regia) Meas				61.1	255	3380	481	12	22	> 5000	> 10000	1.47	72			0.5	8	1.48	27	27	3.02	< 10	3
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
Oreas 621 (Aqua Regia) Meas				64.5	264	3450	503	13	23	> 5000	> 10000	1.57	73			0.5	3	1.55	28	27	3.12	< 10	4
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
OREAS 45f (Aqua Regia) Meas						340	159	< 1	216	7	25	6.34			114	0.9	< 2	0.06	37	305	13.0	20	3
OREAS 45f (Aqua Regia) Cert						336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310
OREAS 45f (Aqua Regia) Meas						352	164	< 1	228	15	26	6.66			119	1.0	2	0.07	39	315	13.5	20	4
OREAS 45f (Aqua Regia) Cert						336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310
619427 Orig	16	< 5	< 5																				
619427 Dup	8	< 5	< 5																				
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
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
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
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

Analyte Symbol	K	La	Mg	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	ppm
Lower Limit	0.01	10	0.01	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	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.88	< 10	0.35	0.141	0.030	0.01	3	15	28		< 20	< 1	< 2	< 10	139	< 10	4	6
GXR-6 Cert	1.87	13.9	0.609	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
GXR-6 Meas	0.90	< 10	0.36	0.141	0.030	0.01	4	16	29		< 20	1	< 2	< 10	145	< 10	4	7
GXR-6 Cert	1.87	13.9	0.609	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 922 (AQUA REGIA) Meas	0.41	37	1.24	0.029	0.058	0.34	< 2	3	13		< 20		< 2	< 10	32	< 10	18	19
OREAS 922 (AQUA REGIA) Cert	0.376	32.5	1.33	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	0.42	38	1.29	0.030	0.060	0.36	3	3	14		< 20		< 2	< 10	33	< 10	18	15
OREAS 922 (AQUA REGIA) Cert	0.376	32.5	1.33	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 923 (AQUA REGIA) Meas	0.36	35	1.35		0.057	0.64	< 2	3	12		< 20		< 2	< 10	32	< 10	16	28
OREAS 923 (AQUA REGIA) Cert	0.322	30.0	1.43		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 923 (AQUA REGIA) Meas	0.36	35	1.37		0.058	0.65	3	3	12		< 20		< 2	< 10	32	< 10	16	25
OREAS 923 (AQUA REGIA) Cert	0.322	30.0	1.43		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 96 (Aqua Regia) Meas						3.82	7											
Oreas 96 (Aqua Regia) Cert						4.38	4.53											
Oreas 621 (Aqua Regia) Meas	0.30	19	0.38	0.159	0.031	4.12	118	2	15		< 20		< 2	< 10	11	< 10	6	56
Oreas 621 (Aqua Regia) Cert	0.333	19.4	0.436	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 621 (Aqua Regia) Meas	0.33	20	0.40	0.171	0.031	4.29	116	2	16		< 20		< 2	< 10	12	< 10	6	60
Oreas 621 (Aqua Regia) Cert	0.333	19.4	0.436	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 45f (Aqua Regia) Meas	0.09	10	0.16	0.043	0.019	0.02		22	12	0.10	< 20		< 2	< 10	178		4	11
OREAS 45f (Aqua Regia) Cert	0.0820	10.7	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.09	11	0.17	0.047	0.020	0.02		23	12	0.11	< 20		< 2	< 10	187		4	12
OREAS 45f (Aqua Regia) Cert	0.0820	10.7	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
619427 Orig																		
619427 Dup																		
Method Blank	< 0.01	< 10	< 0.01	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	< 10	< 0.01	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	< 10	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	< 10	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1