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PROSPECTING REPORT

Appia Energy Corp., Elliot Lake, Ontario

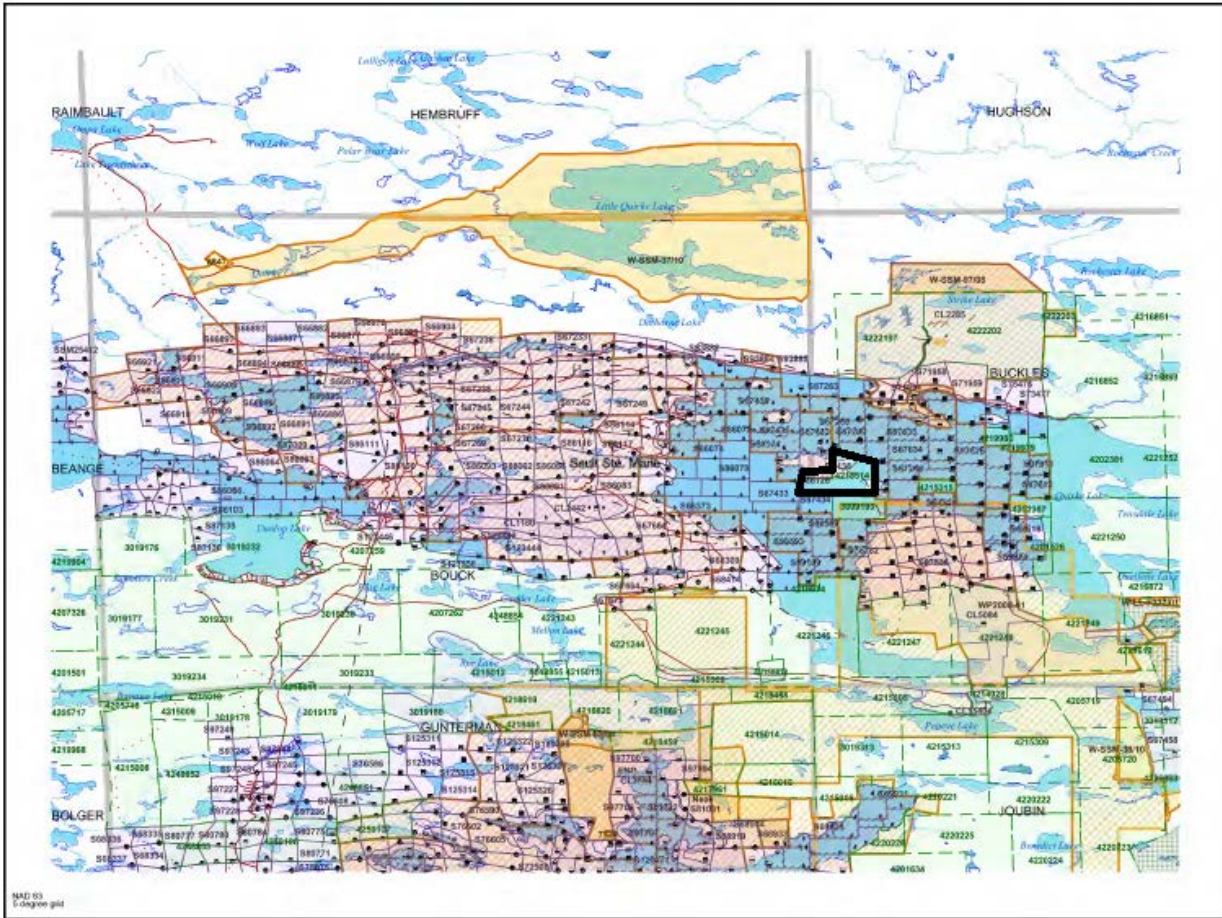
Appia Claim: 4215314

November 2016

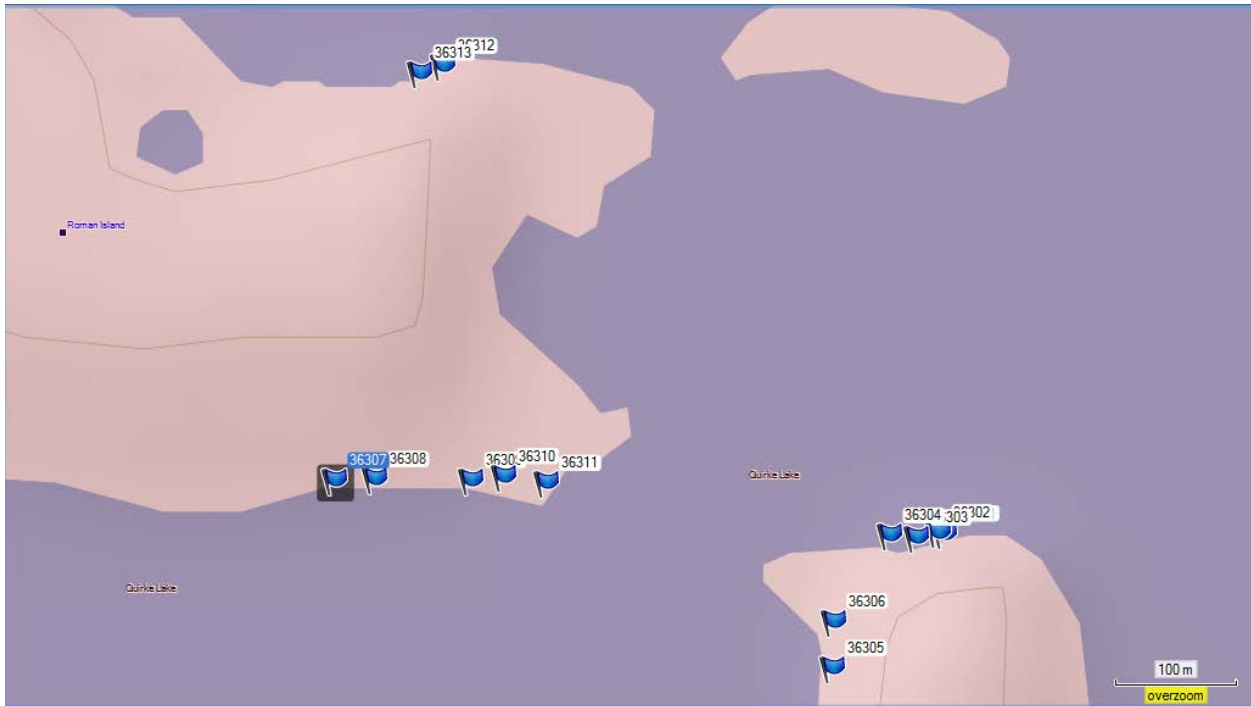
Suite 500
2 Toronto St.
Toronto, ON, M5C 2B6
Ph: 416-546-2707
Fax: 416-218-9772
Email: appia@appiaenegry.ca

LOCATION AND ACCESS

Appia Energy Corp holds mining claim 4215314 on Quirke Lake in Buckles Twp. The claim is in the Algoma District of Northern Ontario, Canada approximately 15 km north east of Elliot Lake. The magnetic declination in this area is approximately 9 deg west. The claim intersects two large islands on Quirke Lake and can be reached by boat from a public landing. Both islands are rugged with elevations to ~450m.



claim map highlighted is claim number 4215314



Waypoints of area prospected.

On November 14, 2016 the author of this report Greg Smith as well as Garrett Appleman began a limited prospecting program for claim number 4215314. The two islands in which the boundaries intersect were explored.

13 samples were collected (36301 to 36313) and their locations are visible on the above map (name)

SAMPLE ID	FIELD DISCREPTION	LOCATIION (UTM)
36301	Dark grey with quartz disseminated sulphide	17T 0380209 E 5149426 N
36302	Silt stone	17T 0380204 E 5149425 N
36303	Greywacke conglomerate disseminated sulphide	17T 0380185 E 5149421 N
36304	Greywacke conglomerate disseminated sulphide	17T 0380162 E 5149423 N
36305	Dark grey fine grained Sulphides	17T 0380111 E 5149315 N
36306	Rusty Ultramafic serpentine Disseminated sulphides	17T 0380113 E 5149354 N
36307	Brown Disseminated Sulphides	17T 0379691 E 5149477 N
36308	Dark grey Disseminated sulphides	17T 0379724 E 5149478 N
36309	Dark grey rusty Stringer of sulphide	17T 0379807 E 5149475 N
36310	Light grey, dark grey blend chalcopyrite	17T 0379835 E 5149478 N
36311	light grey concentrated sulphides massive	17T 0379871 E 5149472 N
36312	Medium grained grey with quartz conglomerate	17T 0379789 E 5149815 N
36313	Quartz conglomerate	17T 0379781 E 5149813 N

The samples were submitted to ALS laboratories for analysis.



Date Submitted: 01-Dec-16
Invoice No.: A16-12933
Invoice Date: 20-Dec-16
Your Reference: AEC 4215314

Appia Energy Corp.
20 Toronto St., Suite 1220
Toronto ON M5C 2B8
Canada

ATTN: Tom Drivas

CERTIFICATE OF ANALYSIS

13 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT **A16-12933**

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

Notes:

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

Unaltered silicates and resistate minerals may not be dissolved. Values which exceed upper limit should be assayed.

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé".

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6
TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Date Submitted: 01-Dec-16
Invoice No.: A16-12933
Invoice Date: 20-Dec-16
Your Reference: AEC 4215314

Appia Energy Corp.
20 Toronto St., Suite 1220
Toronto ON M5C 2B8
Canada

ATTN: Tom Drivas

CERTIFICATE OF ANALYSIS

13 Rock samples were submitted for analysis.

The following analytical package(s) were requested: Code UT-5 INAA(INAAGEO)/Total Digestion ICP/MS

REPORT **A16-12933**

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Notes:

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

Unaltered silicates and resistate minerals may not be dissolved. Values which exceed upper limit should be assayed.

CERTIFIED BY:



Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
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E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Au	Ag	Cu	Cd	Mn	Pb	Ni	Zn	As	Ba	Be	Bi	Br	Ca	Co	Cr	Cs	Eu	Fe	Hf	Ga	Ge
Unit Symbol	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Lower Limit	5	2	0.05	0.2	0.1	1	0.5	0.5	0.5	0.5	1	0.1	0.02	0.5	0.01	0.1	2	0.05	0.05	0.01	1	0.1	0.1
Method Code	FA-AA	INAA	MULT I NAA/T D-ICP- MS	TD-MS	TD-MS	TD-MS	TD-MS	MULT I NAA/T D-ICP- MS	MULT I NAA/T D-ICP- MS	INAA	MULT I NAA/T D-ICP- MS	TD-MS	TD-MS	INAA	TD-MS	MULT I NAA/T D-ICP- MS	INAA	MULT I NAA/T D-ICP- MS	TD-MS	INAA	INAA	TD-MS	TD-MS
36301	< 5	< 2	0.18	14.2	0.2	429	16.3	21.8	63.9	18.5	869	3.4	0.32	< 0.5	0.92	14.0	102	3.28	0.80	2.59	5	< 0.1	< 0.1
36302	< 5	< 2	0.12	8.9	< 0.1	465	3.9	7.7	6.0	4.1	165	0.8	0.18	< 0.5	33.0	4.5	22	2.20	0.30	0.75	< 1	0.4	< 0.1
36303	< 5	< 2	< 0.05	45.8	0.2	1020	14.0	34.2	92.0	33.9	709	1.8	0.22	< 0.5	3.24	20.2	95	2.40	0.70	3.62	3	< 0.1	< 0.1
36304	< 5	< 2	< 0.05	57.0	< 0.1	584	8.5	33.2	51.2	5.4	690	2.1	0.34	< 0.5	1.19	11.7	72	2.78	0.70	3.50	4	< 0.1	< 0.1
36305	< 5	< 2	< 0.05	20.6	< 0.1	632	12.9	49.5	69.7	9.8	399	1.6	0.31	< 0.5	5.04	15.1	99	6.08	0.70	3.92	4	8.4	< 0.1
36306	< 5	< 2	0.05	58.9	< 0.1	1090	10.9	34.8	48.7	2.2	165	0.4	0.44	< 0.5	9.92	21.8	34	2.93	2.50	8.34	< 1	44.6	< 0.1
36307	< 5	< 2	< 0.05	33.4	< 0.1	792	12.1	40.3	70.2	21.9	522	2.2	0.28	< 0.5	4.24	17.6	98	6.71	0.90	3.50	3	8.5	< 0.1
36308	< 5	< 2	< 0.05	11.1	< 0.1	879	20.0	32.4	62.5	7.2	463	1.9	0.40	< 0.5	8.09	9.5	95	5.18	0.80	3.37	3	8.3	0.1
36309	< 5	3	< 0.05	44.6	< 0.1	872	29.6	57.1	60.0	22.3	534	1.9	0.63	< 0.5	7.13	19.1	86	4.78	1.00	3.42	4	5.4	< 0.1
36310	< 5	< 2	0.28	499	< 0.1	1940	5.4	32.9	51.5	2.0	443	1.1	0.37	< 0.5	11.4	9.6	57	4.77	0.60	3.58	2	0.8	< 0.1
36311	< 5	7	0.05	28.6	< 0.1	1040	12.8	54.2	87.1	24.4	414	1.7	0.40	< 0.5	4.87	19.6	99	5.25	0.80	4.53	4	9.2	< 0.1
36312	< 5	< 2	< 0.05	137	2.7	654	19.5	84.5	451	23.1	1140	2.5	0.62	< 0.5	2.45	35.4	143	3.37	0.80	4.18	3	< 0.1	0.1
36313	7	< 2	< 0.05	20.1	< 0.1	44	1.4	1.6	< 0.5	0.6	97	0.2	0.05	< 0.5	0.02	0.6	73	0.15	0.20	0.32	< 1	< 0.1	< 0.1

Analyte Symbol	In	Li	Mg	Nb	Mo	Na	Rb	Re	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Tl	U	V	W	Y	Zr	La
Unit Symbol	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.5	0.01	0.1	0.05	0.01	0.2	0.001	0.1	0.1	0.1	1	0.2	0.1	0.1	0.1	0.05	0.1	1	1	0.1	1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	INAA	TD-MS	TD-MS	INAA	INAA	MULT I NAA/T D-ICP- MS	TD-MS	TD-MS	MULT I NAA/T D-ICP- MS	TD-MS	MULT I NAA/T D-ICP- MS	TD-MS	MULT I NAA/T D-ICP- MS	TD-MS	INAA	TD-MS	TD-MS	TD-MS
36301	< 0.1	43.0	0.60	11.0	1.94	1.03	115	0.002	0.8	10.7	< 0.1	3	58.2	0.7	0.8	13.9	1.25	4.5	68	< 1	22.3	184	31.4
36302	< 0.1	24.3	0.44	3.7	0.94	0.44	33.1	< 0.001	0.3	2.8	0.7	2	219	0.3	0.3	4.0	0.26	2.1	17	< 1	6.7	47	12.0
36303	< 0.1	20.6	0.72	1.0	0.68	2.18	74.7	0.001	0.9	14.3	< 0.1	1	144	< 0.1	0.2	8.8	0.72	4.7	82	< 1	19.2	84	18.1
36304	< 0.1	26.2	0.61	6.9	1.21	0.84	86.5	0.002	0.6	7.6	0.6	2	63.8	0.7	0.2	12.9	0.94	5.1	57	< 1	13.5	152	24.4
36305	< 0.1	61.0	2.49	8.8	1.24	1.06	91.8	0.001	2.7	11.7	< 0.1	2	89.4	0.9	0.2	12.1	0.63	3.7	78	< 1	15.4	157	27.3
36306	0.6	24.5	1.40	1.9	0.60	0.23	18.1	0.001	6.2	8.5	0.2	2	647	0.1	0.1	0.8	0.16	1.9	397	< 1	24.0	15	11.1
36307	< 0.1	64.1	2.41	3.3	0.66	0.93	102	0.001	1.7	12.6	< 0.1	2	75.4	0.3	0.1	13.3	0.66	5.5	79	< 1	18.4	119	41.9
36308	< 0.1	63.9	2.57	5.8	1.07	0.17	114	0.001	2.8	12.1	< 0.1	3	92.4	0.5	< 0.1	12.2	0.76	4.0	78	3	19.3	114	33.2
36309	< 0.1	55.6	2.15	8.2	1.10	1.02	82.8	0.001	2.2	11.1	0.2	3	124	0.6	0.1	13.0	0.65	4.9	74	< 1	20.3	179	47.4
36310	< 0.1	41.7	3.85	5.4	1.76	0.77	53.8	0.001	0.9	7.3	1.0	2	173	0.6	0.8	6.8	0.37	3.3	50	< 1	17.1	75	25.6
36311	< 0.1	65.2	3.43	8.6	1.38	0.77	95.2	0.001	2.0	12.8	0.2	2	76.5	0.7	0.4	12.1	0.59	4.7	88	< 1	17.5	131	32.4
36312	< 0.1	34.4	1.44	5.2	1.29	1.50	118	0.004	0.5	17.8	0.6	2	74.4	0.3	0.3	15.5	1.09	5.2	123	< 1	17.4	133	17.9
36313	< 0.1	1.2	0.03	1.4	0.43	0.01	14.7	< 0.001	< 0.1	0.8	< 0.1	< 1	14.4	0.2	0.1	2.5	0.05	0.3	7	< 1	1.0	17	7.4

Analyte Symbol	K	Ce	Pr	Nd	Sm	Gd	Dy	Tb	Ho	Hg	Er	Tm	Yb	Lu	Mass
Unit Symbol	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	g
Lower Limit	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	10	0.1	0.1	0.1	0.1	
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	INAA
36301	2.47	63.0	7.0	28.8	3.1	3.8	3.7	0.6	0.8	30	2.3	0.3	2.2	0.3	25.9
36302	0.51	22.8	2.3	9.5	1.0	1.3	1.0	0.2	0.2	40	0.6	0.1	0.5	0.1	26.1
36303	1.92	36.0	4.0	18.0	2.7	3.8	3.2	0.6	0.7	40	1.8	0.3	1.7	0.2	27.6
36304	2.16	47.9	5.1	22.3	2.8	2.9	2.2	0.4	0.4	< 10	1.3	0.2	1.4	0.2	27.4
36305	1.83	53.2	5.5	23.3	2.8	3.0	2.4	0.4	0.5	< 10	1.5	0.2	1.5	0.3	27.9
36306	0.37	21.1	2.5	11.7	1.8	2.7	2.9	0.4	0.7	50	2.4	0.4	2.5	0.4	33.0
36307	1.91	78.3	8.3	34.0	4.1	4.0	3.1	0.6	0.6	30	1.7	0.2	1.6	0.3	27.5
36308	2.15	63.5	6.6	28.0	3.1	3.6	3.1	0.5	0.6	< 10	1.8	0.2	1.7	0.2	27.6
36309	1.69	87.8	9.4	40.1	4.3	4.8	3.3	0.6	0.7	< 10	1.9	0.3	1.9	0.3	29.1
36310	1.07	50.3	5.3	21.5	3.5	3.5	3.0	0.5	0.6	10	1.5	0.2	1.4	0.2	29.9
36311	1.88	63.8	6.6	28.0	3.4	3.4	2.8	0.5	0.6	< 10	1.6	0.2	1.5	0.2	29.3
36312	2.53	39.1	4.1	18.4	2.9	3.2	2.8	0.5	0.6	90	1.7	0.3	1.6	0.2	28.6
36313	0.57	14.4	1.5	5.4	0.6	0.5	0.2	< 0.1	< 0.1	70	0.1	< 0.1	0.1	< 0.1	30.3

Analyte Symbol	Au	Au	Ag	Ag	Cu	Cd	Mn	Pb	Ni	Ni	Zn	Zn	As	Ba	Ba	Be	Bi	Br	Ca	Co	Co	Cr	Cs
Unit Symbol	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	5	2	0.05	5	0.2	0.1	1	0.5	0.5	20	0.5	50	0.5	1	50	0.1	0.02	0.5	0.01	0.1	1	2	0.05
Method Code	FA-AA	INAA	TD-MS	INAA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	INAA	TD-MS	INAA	INAA	TD-MS	INAA	TD-MS	TD-MS	INAA	TD-MS	TD-MS	INAA	INAA	TD-MS
GXR-1 Meas			32.5		1170	2.7	831	721	42.7		736			702		4.6	1280		0.97	7.7			3.02
GXR-1 Cert			31.0		1110	3.30	852	730	41.0		760			750		1.22	1380		0.960	8.20			3.00
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas																					11.7		
GXR-4 Cert																					14.6		
SDC-1 Meas					29.0		789	21.3	35.5		94.0			572		3.0			1.01	13.9			4.01
SDC-1 Cert					30.000		880.00	25.00	38.0		103.00			630		3.00			1.00	18.0			4.00
GXR-6 Meas			< 0.05		59.0	0.1	909	83.4	22.3		108			1200		1.0	0.16		0.18	10.9			4.00
GXR-6 Cert			1.30		66.0	1.00	1010	101	27.0		118			1300		1.40	0.290		0.180	13.8			4.20
DNC-1a Meas					91.0			5.0	276		57.4			97						54.2			
DNC-1a Cert					100			6.3	247		70			118						57			
SBC-1 Meas					27.9	0.4		32.0	87.3		179			669		3.3	0.67			21.0			8.84
SBC-1 Cert					31.0000	0.40		35.0	82.8		186.0			788.0		3.20	0.70			22.7			8.2
OREAS 45d (4-Acid) Meas					378		543	19.4	251		41.0			174		0.6	0.36		0.20	25.6			4.32
OREAS 45d (4-Acid) Cert					371		490.000	21.8	231.0		45.7			183.0		0.79	0.31		0.185	29.50			3.910
SdAR-M2 (U.S.G.S.) Meas					230	4.0		722	50.1		687			897		6.7	1.02			12.3			1.79
SdAR-M2 (U.S.G.S.) Cert					236.00 00	5.1		808	48.8		760			990		6.6	1.05			12.4			1.82
OREAS 251(FA-Anaster) Meas	534																						
OREAS 251(FA-Anaster) Cert	504																						
DMMAS 120 Meas		784												1760		1160						46	145
DMMAS 120 Cert		727												1790		1270						47.0	138
DMMAS 120 Meas		770												1850		920						47	145
DMMAS 120 Cert		727												1790		1270						47.0	138
OREAS 16A (FA-Ancaster) Meas	1860																						
OREAS 16A (FA-Ancaster) Cert	1810																						
36310 Orig	< 5																						
36310 Dup	< 5																						
36313 Orig			< 0.05		38.2	< 0.1	42	1.4	1.5		< 0.5			97		0.2	0.05		0.02	0.6			0.16
36313 Dup			< 0.05		2.0	< 0.1	46	1.4	1.7		< 0.5			98		0.1	0.04		0.03	0.6			0.14

Analyte Symbol	Au	Au	Ag	Ag	Cu	Cd	Mn	Pb	Ni	Ni	Zn	Zn	As	Ba	Ba	Be	Bi	Br	Ca	Co	Co	Cr	Cs
Unit Symbol	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	5	2	0.05	5	0.2	0.1	1	0.5	0.5	20	0.5	50	0.5	1	50	0.1	0.02	0.5	0.01	0.1	1	2	0.05
Method Code	FA-AA	INAA	TD-MS	INAA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	INAA	TD-MS	INAA	INAA	TD-MS	INAA	TD-MS	TD-MS	INAA	TD-MS	TD-MS	INAA	INAA	TD-MS
Method Blank	< 5																						
Method Blank																					< 0.1		
Method Blank																					< 0.1		
Method Blank			0.07		< 0.2	< 0.1	6	< 0.5	< 0.5		< 0.5			< 1		< 0.1	0.02		< 0.01	< 0.1			< 0.05
Method Blank																					< 0.1		
Method Blank		< 2		< 5						< 20		< 50	< 0.5		< 50			< 0.5			< 1	< 2	

Analyte Symbol	Cs	Eu	Fe	Hf	Ga	Ge	In	Li	Mg	Nb	Mo	Na	Rb	Re	Sb	Sc	Se	Se	Sn	Sr	Ta	Ta	Te
Unit Symbol	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	1	0.05	0.01	1	0.1	0.1	0.1	0.5	0.01	0.1	0.05	0.01	0.2	0.001	0.1	0.1	0.1	3	1	0.2	0.1	0.5	0.1
Method Code	INAA	TD-MS	INAA	INAA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	INAA	TD-MS	TD-MS	INAA	INAA	TD-MS	INAA	TD-MS	TD-MS	TD-MS	INAA	TD-MS
GXR-1 Meas		0.60			< 0.1		0.9	8.2	0.24	1.1	18.2		3.1				18.1		28	313	< 0.1		7.4
GXR-1 Cert		0.690			13.8		0.770	8.20	0.217	0.800	18.0		14.0				16.6		54.0	275	0.175		13.0
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas											301												
GXR-4 Cert											310												
SDC-1 Meas		1.30			11.9			35.9	0.82	1.9			79.3						< 1	176	0.1		
SDC-1 Cert		1.70			21.00			34.00	1.02	21.00			127.00						3.00	180.00	1.20		
GXR-6 Meas		0.40			5.5		< 0.1	36.8	0.51	3.2	1.63		43.5				0.5		1	32.3	0.2		< 0.1
GXR-6 Cert		0.760			35.0		0.260	32.0	0.609	7.50	2.40		90.0				0.940		1.70	35.0	0.485		0.0180
DNC-1a Meas		0.50			13.5			4.3		2.4			3.1							141			
DNC-1a Cert		0.59			15			5.2		3			5							144			
SBC-1 Meas		1.60			14.1			161		10.7	2.52		96.0						3	177	0.8		
SBC-1 Cert		1.98			27.0			163.0		15.3	2.40		147						3.3	178.0	1.10		
OREAS 45d (4-Acid) Meas		0.50			21.8		< 0.1	20.9	0.25	1.7	0.93		36.0						1	29.3	0.1		
OREAS 45d (4-Acid) Cert		0.57			21.20		0.096	21.5	0.245	14.50	2.500		42.1						2.78	31.30	1.02		
SdAR-M2 (U.S.G.S.) Meas		1.10			< 0.1			18.9		8.6	11.2		77.7							131	0.6		
SdAR-M2 (U.S.G.S.) Cert		1.44			17.6			17.9		26.2	13.3		149							144	1.8		
OREAS 251(FA-Anaster) Meas																							
OREAS 251(FA-Anaster) Cert																							
DMMAS 120 Meas			3.58									2.14			7.4	6.2							
DMMAS 120 Cert			3.54									2.16			7.30	6.50							
DMMAS 120 Meas			3.55									2.02			7.1	6.4							
DMMAS 120 Cert			3.54									2.16			7.30	6.50							
OREAS 16A (FA-Ancaster) Meas																							
OREAS 16A (FA-Ancaster) Cert																							
36310 Orig																							
36310 Dup																							
36313 Orig		0.20			< 0.1	< 0.1	< 0.1	1.2	0.03	1.3	0.49		14.8	< 0.001			< 0.1		< 1	13.7	0.2		0.1
36313 Dup		0.20			< 0.1	< 0.1	< 0.1	1.2	0.03	1.5	0.37		14.6	< 0.001			< 0.1		< 1	15.1	0.2		0.1
Method Blank																							

Analyte Symbol	Cs	Eu	Fe	Hf	Ga	Ge	In	Li	Mg	Nb	Mo	Na	Rb	Re	Sb	Sc	Se	Se	Sn	Sr	Ta	Ta	Te
Unit Symbol	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	1	0.05	0.01	1	0.1	0.1	0.1	0.5	0.01	0.1	0.05	0.01	0.2	0.001	0.1	0.1	0.1	3	1	0.2	0.1	0.5	0.1
Method Code	INAA	TD-MS	INAA	INAA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	INAA	TD-MS	TD-MS	INAA	INAA	TD-MS	INAA	TD-MS	TD-MS	TD-MS	INAA	TD-MS
Method Blank											0.13												
Method Blank											0.10												
Method Blank		< 0.05			< 0.1	< 0.1	< 0.1	< 0.5	< 0.01	0.1	0.10		< 0.2	< 0.001			< 0.1		< 1	< 0.2	< 0.1		< 0.1
Method Blank											0.32												
Method Blank	< 1		< 0.01	< 1								< 0.01			< 0.1	< 0.1		< 3				< 0.5	

Analyte Symbol	Th	Th	Tl	U	U	V	W	Y	Zr	La	K	Ce	Pr	Nd	Sm	Gd	Dy	Tb	Ho	Hg	Er	Tm	Yb
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.05	0.1	0.5	1	1	0.1	1	0.1	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	10	0.1	0.1	0.1
Method Code	TD-MS	INAA	TD-MS	TD-MS	INAA	TD-MS	INAA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
GXR-1 Meas	3.1		0.50	32.8		77		29.7	22	8.1	0.05	16.0		9.4	2.5	3.8	4.3	0.7		790		0.4	2.1
GXR-1 Cert	2.44		0.390	34.9		80.0		32.0	38.0	7.50	0.050	17.0		18.0	2.70	4.20	4.30	0.830		3900		0.430	1.90
DH-1a Meas	> 500			2540																			
DH-1a Cert	910			2629																			
GXR-4 Meas				6.5																			
GXR-4 Cert				6.20																			
SDC-1 Meas	15.0		0.66	2.8		38			33	42.0	1.77	89.9		42.6	5.9	6.1	5.3	0.9	1.1	80	3.2	0.5	3.0
SDC-1 Cert	12.00		0.70	3.10		102.00			290.00	42.00	2.72	93.00		40.00	8.20	7.00	6.70	1.20	1.50	200.00	4.10	0.65	4.00
GXR-6 Meas	4.2		1.99	1.1		161		7.4	99	7.8	1.24	22.1		8.6	1.4	1.4	1.4	0.2		70			1.2
GXR-6 Cert	5.30		2.20	1.54		186		14.0	110	13.9	1.87	36.0		13.0	2.67	2.97	2.80	0.415		68.0			2.40
DNC-1a Meas						138		15.5	46	3.9				5.2									1.8
DNC-1a Cert						148		18.0	38.0	3.6				5.20									2.0
SBC-1 Meas	15.8		0.89	6.1		200		28.8	111	51.3		110	12.1	49.6	6.2	6.7	5.5	1.0	1.1		3.1	0.5	3.1
SBC-1 Cert	15.8		0.89	5.76		220.0		36.5	134.0	52.5		108.0	12.6	49.2	9.6	8.5	7.10	1.20	1.40		3.80	0.56	3.64
OREAS 45d (4-Acid) Meas	15.7		0.27	3.2		87		10.9	52	17.7	0.39	38.6	4.0	15.1	2.2	2.1	2.1	0.3	0.4		1.3		1.4
OREAS 45d (4-Acid) Cert	14.5		0.27	2.63		235.0		9.53	141	16.9	0.412	37.20	3.70	13.4	2.80	2.42	2.26	0.400	0.46		1.38		1.33
SdAR-M2 (U.S.G.S.) Meas	13.8			2.3		22		23.6	69	46.1		99.5	9.8	39.7	4.6	4.7	4.1	0.7	0.8	1170	2.5	0.4	2.5
SdAR-M2 (U.S.G.S.) Cert	14.2			2.53		25.2		32.7	259	46.6		98.8	11.0	39.4	7.18	6.28	5.88	0.97	1.21	1440.00	3.58	0.54	3.63
OREAS 251(FA-Anaster) Meas																							
OREAS 251(FA-Anaster) Cert																							
DMMAS 120 Meas						11.2																	
DMMAS 120 Cert						11.7																	
DMMAS 120 Meas						13.3																	
DMMAS 120 Cert						11.7																	
OREAS 16A (FA-Ancaster) Meas																							
OREAS 16A (FA-Ancaster) Cert																							
36310 Orig																							
36310 Dup																							
36313 Orig	2.5		0.05	0.3		7		1.1	16	7.5	0.58	14.4	1.5	5.4	0.6	0.5	0.2	< 0.1	< 0.1	70	0.1	< 0.1	0.1
36313 Dup	2.5		0.06	0.3		7		1.0	18	7.4	0.56	14.4	1.4	5.3	0.5	0.5	0.2	< 0.1	< 0.1	80	0.1	< 0.1	0.1
Method Blank																							

Analyte Symbol	Th	Th	Tl	U	U	V	W	Y	Zr	La	K	Ce	Pr	Nd	Sm	Gd	Dy	Tb	Ho	Hg	Er	Tm	Yb
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.05	0.1	0.5	1	1	0.1	1	0.1	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	10	0.1	0.1	0.1
Method Code	TD-MS	INAA	TD-MS	TD-MS	INAA	TD-MS	INAA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
Method Blank				< 0.1																			
Method Blank				< 0.1																			
Method Blank	< 0.1		< 0.05	< 0.1		< 1		< 0.1	< 1	< 0.1	< 0.01	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	10	< 0.1	< 0.1	< 0.1
Method Blank				< 0.1																			
Method Blank		< 0.2			< 0.5		< 1																

Analyte Symbol	Lu	Mass
Unit Symbol	ppm	g
Lower Limit	0.1	
Method Code	TD-MS	INAA
GXR-1 Meas	0.3	
GXR-1 Cert	0.280	
DH-1a Meas		
DH-1a Cert		
GXR-4 Meas		
GXR-4 Cert		
SDC-1 Meas		
SDC-1 Cert		
GXR-6 Meas	0.2	
GXR-6 Cert	0.330	
DNC-1a Meas		
DNC-1a Cert		
SBC-1 Meas	0.5	
SBC-1 Cert	0.54	
OREAS 45d (4-Acid) Meas	0.2	
OREAS 45d (4-Acid) Cert	0.18	
SdAR-M2 (U.S.G.S.) Meas	0.3	
SdAR-M2 (U.S.G.S.) Cert	0.54	
OREAS 251(FA-Anaster) Meas		
OREAS 251(FA-Anaster) Cert		
DMMAS 120 Meas		
DMMAS 120 Cert		
DMMAS 120 Meas		
DMMAS 120 Cert		
OREAS 16A (FA-Ancaster) Meas		
OREAS 16A (FA-Ancaster) Cert		
36310 Orig		
36310 Dup		
36313 Orig	< 0.1	
36313 Dup	< 0.1	
Method Blank		

Analyte Symbol	Lu	Mass
Unit Symbol	ppm	g
Lower Limit	0.1	
Method Code	TD-MS	INAA
Method Blank		
Method Blank		
Method Blank	< 0.1	
Method Blank		
Method Blank		30.0

Costs of work

work type	units of work	unit of measure	cost per unit	total cost
assays	13	assay	\$ 91.50	\$ 1,189.50
quirk lake prospecting	2	man days	\$ 375.00	\$ 750.00
associated costs				
mob/demob	4	man days	\$ 235.00	\$ 940.00
boat rental	1	day rental	\$ 95.00	\$ 95.00
premium fuel Boat	25	liters	\$ 1.19	\$ 29.75
propsecting supplies	1	n/a	\$ 25.00	\$ 25.00
transportation costs				
vehicle km	2400	km	\$ 0.50	\$ 1,200.00
food and lodging				
motel	2	night	\$ 95.00	\$ 190.00
food	6	man days	\$ 30.00	\$ 180.00
			TOTAL	\$ 4,599.25

Greg Smith

A-Star prospecting

Licensed Ontario Prospector.

Thunder Bay ON.

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