Appendix II

Assay Results

Swastika Laboratories Ltd

Established 1928

Assaying - Consulting - Representation

Assay Certificate

Certificate Number: 14-658

Company: **Robert MacGregor**

Project:

Report Date: 25-Jul-14

Attn: Robert MacGregor

We hereby certify the following Assay of 14 rock/grab samples submitted 16-Jul-14 by Robert MacGregor

Sample Number	Au FA-MP ppb	Au Chk FA-MP ppb
34301	157	
34302	332	
34303	66	
34304	21	
34305	24	
34306	14	
34307	90	
34308	7	
34309	17	
34310	31	25
Blank Value	< 2	
OxH97	1273	
34311	17	
34312	19	
34313	25	
34314	10	

Certified by J. g Lin

Jing Lin, M Sc.

1 Cameron Ave., P.O. Box 10, Swastika, Ontario P0K 1T0
Telephone (705) 642-3244 Fax (705) 642-3300

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ureau Veritas Commodities Canada Ltd.
050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
'HONE (604) 253-3158

Client: **MacGregor, R.A.**
28 Ford St.
Sault Ste. Marie ON P6A 4N4 CANADA

Submitted By: R.A. MacGregor
Receiving Lab: Canada-Vancouver
Received: August 11, 2014
Report Date: September 10, 2014
Page: 1 of 3

CERTIFICATE OF ANALYSIS VAN14002582.1

CLIENT JOB INFORMATION

roject: None Given
hipment ID:
.O. Number
umber of Samples: 47

SAMPLE DISPOSAL

TRN-PLP Return

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SLBHP	43	Sort, label and box pulps			VAN
PUL85	4	Pulverize to 85% passing 200 mesh		Completed	VAN
MA200	47	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
DRPLP	47	Warehouse handling / disposition of pulps			VAN

ADDITIONAL COMMENTS

cme does not accept responsibility for samples left at the laboratory after 90 ays without prior written instructions for sample storage or return.

nvoice To: MacGregor, R.A.
28 Ford St.
Sault Ste. Marie ON P6A 4N4
CANADA

:C:

BRITISH COLUMBIA CERTIFIED ASSAYER
Marcus Lau
MARCUS LAU
Geochemical Laboratory Manager

is report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
l results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
' asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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28 Ford St.
Sault Ste. Marie ON P6A 4N4 CANADA

Project: None Given
Report Date: September 10, 2014

CERTIFICATE OF ANALYSIS VAN14002582.1

Method	PUL85	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte	Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL	0	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.001
IMA 1436	Rock Pulp		<0.1	37.0	0.8	59	<0.1	1227.1	91.9	1246	6.85	<1	<0.1	<0.1	71	<0.1	<0.1	<0.1	135	3.92	0.010
IMA 1437	Rock Pulp		0.2	80.6	6.5	87	<0.1	281.0	41.6	978	5.88	<1	1.8	7.7	402	<0.1	<0.1	0.1	156	4.61	0.227
IMA 1438	Rock Pulp		<0.1	64.8	2.1	65	0.1	1180.9	89.0	1239	6.74	<1	<0.1	0.1	199	<0.1	<0.1	0.2	133	3.60	0.016
IMA 1439	Rock Pulp		5.1	16.7	18.1	141	<0.1	41.1	9.9	980	2.91	5	0.4	1.1	496	0.1	0.6	0.3	92	2.96	0.048
IMA 1440	Rock Pulp		1.0	7.6	1.2	15	<0.1	61.1	14.0	564	3.98	<1	0.2	1.2	489	<0.1	0.5	<0.1	257	5.38	0.041
IMA 1441	Rock Pulp		1.1	21.5	17.8	86	<0.1	23.6	7.1	154	1.96	<1	0.5	1.7	353	0.2	<0.1	0.1	33	1.25	0.037
IMA 1442	Rock Pulp		1.3	10.5	5.7	57	<0.1	104.4	44.3	1644	6.70	<1	0.2	0.6	492	0.1	<0.1	<0.1	138	12.50	0.033
IMA 1443	Rock Pulp		1.1	180.4	25.2	195	0.3	765.1	101.5	793	12.81	7	<0.1	0.2	44	0.5	0.8	0.1	118	3.09	0.020
IMA 1444	Rock Pulp		2.6	117.8	4.2	260	0.4	49.2	19.9	840	21.05	1	0.1	0.5	6	<0.1	1.9	0.2	20	0.38	0.047
IMA 1445	Rock Pulp		0.4	18.1	1.7	31	<0.1	34.5	14.8	304	1.75	<1	<0.1	0.2	161	0.2	<0.1	<0.1	45	10.37	0.002
IMA 1446	Rock Pulp		0.4	20.1	5.1	31	<0.1	15.5	7.9	285	2.40	2	0.8	7.1	255	<0.1	0.1	0.1	40	1.30	0.058
IMA 1447	Rock Pulp		0.9	297.6	6.8	44	0.3	8.1	5.9	265	3.35	2	1.2	7.0	162	0.2	<0.1	0.3	29	0.75	0.056
IMA 1448	Rock Pulp		0.3	64.1	0.5	110	0.3	1046.9	75.6	1197	6.17	69	<0.1	<0.1	31	0.1	0.1	<0.1	119	5.59	0.007
IMA 1449	Rock Pulp		0.1	46.2	0.9	62	0.2	1268.8	76.3	969	6.86	37	<0.1	<0.1	21	<0.1	0.1	<0.1	143	2.47	0.009
IMA 1450	Rock Pulp		2.1	88.7	5.2	68	0.1	25.1	21.1	981	5.04	15	1.0	4.2	540	0.2	<0.1	0.2	144	4.98	0.187
IMA 1451	Rock Pulp		50.3	9.3	11.7	19	0.2	86.6	21.0	533	1.44	<1	1.1	1.4	608	<0.1	0.1	0.5	52	3.17	0.030
IMA 1452	Rock Pulp		0.8	54.1	5.6	100	0.3	63.5	35.7	2321	12.57	9	0.5	1.9	167	0.1	0.2	<0.1	192	1.33	0.112
IMA 1453	Rock Pulp		1.8	66.9	4.9	124	0.2	47.0	32.0	2502	13.61	5	0.5	1.8	207	0.2	<0.1	<0.1	198	2.16	0.120
IMA 1454	Rock Pulp		1.7	46.7	9.4	33	0.1	32.3	23.3	1142	7.48	5	0.5	1.7	132	<0.1	0.5	<0.1	144	1.60	0.118
IMA 1455	Rock Pulp		1.2	48.3	5.6	53	0.1	72.2	33.9	2738	12.84	8	0.4	1.6	113	0.1	<0.1	<0.1	140	1.75	0.107
IMA 1456	Rock Pulp		1.0	13.7	1.0	35	<0.1	44.0	7.6	1585	9.53	<1	<0.1	<0.1	5	<0.1	0.2	<0.1	11	0.17	0.014
IMA 1457	Rock Pulp		0.9	54.3	3.6	129	0.1	966.6	119.8	1427	11.23	<1	<0.1	<0.1	20	0.2	0.2	<0.1	96	3.05	0.010
IMA 1458	Rock Pulp		3.5	231.1	4.5	238	0.2	58.4	32.4	1781	10.14	23	0.4	1.8	109	0.4	0.2	0.2	242	0.48	0.103
IMA 1459	Rock Pulp		4.3	20.3	1.5	86	0.2	1128.7	105.6	1306	8.19	2	<0.1	0.5	39	<0.1	0.1	<0.1	105	2.39	0.020
IMA 1460	Rock Pulp		1.9	249.6	4.9	89	0.1	44.3	42.4	1908	11.59	<1	0.1	0.4	91	0.1	<0.1	0.5	396	1.33	0.061
IMA 1461	Rock Pulp		4.3	271.5	21.4	114	0.4	83.1	156.2	1649	33.07	<1	<0.1	0.4	22	0.3	<0.1	<0.1	26	3.18	0.010
IMA 1462	Rock Pulp		0.5	68.4	6.1	177	0.1	154.2	51.7	2758	8.77	6	<0.1	0.3	170	0.3	0.4	0.6	220	4.78	0.068
IMA 1463	Rock Pulp		1.2	59.1	6.5	50	0.1	149.6	31.1	1972	10.98	10	<0.1	0.4	141	<0.1	0.3	0.2	213	3.02	0.040
IMA 1464	Rock Pulp		0.8	31.1	0.5	74	<0.1	867.0	99.3	1424	8.12	3	<0.1	0.1	17	<0.1	<0.1	<0.1	113	3.76	0.013
IMA 1465	Rock Pulp		2.0	28.4	2.6	79	<0.1	1063.3	97.4	1515	7.53	4	<0.1	0.3	53	0.3	0.2	<0.1	96	4.25	0.019

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Client: **MacGregor, R.A.**
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Project: None Given
Report Date: September 10, 2014

CERTIFICATE OF ANALYSIS VAN14002582.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S	Rb
	Unit	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	MDL	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1	0.1
IMA 1436	Rock Pulp	0.6	1755	13.79	3	0.189	3.36	0.076	0.13	0.1	6.3	2	0.2	6.5	0.4	<0.1	<1	23	20.6	<0.1	7.4
IMA 1437	Rock Pulp	53.4	515	6.59	573	0.425	6.19	2.256	2.67	0.2	130.3	116	1.0	18.7	4.6	0.3	1	22	28.3	0.6	108.9
IMA 1438	Rock Pulp	1.6	1488	13.87	453	0.021	3.59	0.293	0.07	<0.1	10.2	4	<0.1	3.3	<0.1	<0.1	<1	24	29.1	0.1	3.1
IMA 1439	Rock Pulp	8.8	410	1.23	620	0.253	7.74	4.382	0.90	0.7	40.9	19	0.9	8.5	3.2	0.2	<1	9	8.3	0.3	21.5
IMA 1440	Rock Pulp	10.5	16	2.70	99	0.859	7.04	4.521	0.56	0.3	84.6	32	0.6	31.1	4.6	0.3	<1	36	2.9	<0.1	9.3
IMA 1441	Rock Pulp	10.5	101	0.37	98	0.181	7.49	4.669	1.34	1.0	70.5	23	0.7	5.3	3.2	0.3	<1	4	7.7	1.0	29.0
IMA 1442	Rock Pulp	8.9	488	2.86	14	0.371	7.52	0.033	<0.01	1.6	53.8	19	0.5	12.3	4.0	0.2	<1	24	32.4	<0.1	<0.1
IMA 1443	Rock Pulp	2.3	1508	8.75	4	0.217	1.79	0.032	0.09	0.6	19.2	6	0.4	2.0	1.1	<0.1	<1	23	2.3	2.2	2.6
IMA 1444	Rock Pulp	5.2	128	1.96	4	0.036	1.16	0.106	0.36	0.8	20.8	11	1.5	3.2	0.9	<0.1	1	2	0.8	1.8	10.4
IMA 1445	Rock Pulp	0.6	147	0.93	45	0.063	9.90	1.489	0.06	0.2	4.3	2	<0.1	1.3	0.3	<0.1	<1	5	1.5	<0.1	0.2
IMA 1446	Rock Pulp	24.2	62	0.71	297	0.231	7.48	5.424	0.81	0.7	80.2	46	15.8	4.0	3.7	0.2	<1	4	10.5	<0.1	68.7
IMA 1447	Rock Pulp	30.8	52	0.58	519	0.180	7.52	3.097	3.15	14.1	133.3	58	45.2	3.7	4.0	0.2	7	2	48.6	0.2	400.5
IMA 1448	Rock Pulp	0.7	1711	13.88	2	0.132	3.18	0.017	<0.01	0.1	10.5	2	0.5	5.9	0.4	<0.1	<1	19	6.1	0.6	0.4
IMA 1449	Rock Pulp	0.6	1673	15.58	1	0.167	3.68	0.016	<0.01	0.1	7.4	2	0.7	6.3	0.4	<0.1	<1	23	12.5	0.8	0.3
IMA 1450	Rock Pulp	30.3	46	2.48	202	0.092	7.35	4.843	0.36	1.2	112.1	67	0.6	10.4	1.3	<0.1	1	16	8.1	1.3	6.6
IMA 1451	Rock Pulp	7.3	730	1.02	803	0.073	5.29	3.746	0.81	2.8	53.2	16	0.6	5.8	1.9	0.1	<1	3	3.7	0.2	19.9
IMA 1452	Rock Pulp	16.8	160	1.53	35	1.031	7.75	1.849	1.13	1.1	115.3	43	1.8	26.3	10.3	0.6	1	29	24.8	4.9	38.3
IMA 1453	Rock Pulp	19.6	175	1.62	94	0.919	6.88	1.422	0.45	0.5	109.4	44	1.8	28.7	10.0	0.5	2	27	10.1	3.7	17.6
IMA 1454	Rock Pulp	14.8	182	0.53	52	0.891	6.58	3.839	0.50	0.9	109.0	35	2.1	22.8	10.0	0.6	<1	17	6.3	3.0	13.0
IMA 1455	Rock Pulp	13.3	228	1.58	51	0.823	6.10	1.271	0.58	0.3	91.7	31	3.0	18.7	8.4	0.4	1	17	19.4	5.4	24.9
IMA 1456	Rock Pulp	0.8	200	0.87	13	0.013	0.28	0.022	0.03	15.5	8.8	2	0.2	1.8	0.2	<0.1	<1	2	0.2	0.4	3.1
IMA 1457	Rock Pulp	1.5	1835	13.35	24	0.137	2.97	0.150	0.12	0.1	16.2	4	0.7	6.2	0.7	<0.1	<1	17	6.9	4.0	8.6
IMA 1458	Rock Pulp	9.7	172	1.84	89	0.438	9.40	0.662	3.82	0.7	129.1	23	9.4	20.0	2.6	0.1	2	29	39.7	3.0	98.0
IMA 1459	Rock Pulp	3.4	2296	16.36	76	0.159	2.69	0.293	0.21	0.3	30.1	8	0.7	7.8	1.1	<0.1	<1	16	2.8	0.1	7.6
IMA 1460	Rock Pulp	3.9	75	2.21	45	1.101	6.74	2.786	0.11	1.0	58.7	11	3.6	29.2	3.9	0.2	<1	44	12.4	3.5	2.7
IMA 1461	Rock Pulp	2.5	87	0.56	19	0.087	1.14	0.064	0.17	0.2	15.9	5	3.7	3.5	0.8	<0.1	<1	4	3.7	>10	8.2
IMA 1462	Rock Pulp	7.2	228	3.12	200	1.027	7.46	2.255	1.27	0.3	43.2	20	5.8	25.6	5.0	0.3	<1	29	22.4	2.8	41.2
IMA 1463	Rock Pulp	5.6	319	3.44	105	0.974	6.49	0.901	0.44	0.2	62.8	17	18.1	32.0	4.2	0.2	<1	27	21.2	4.1	14.5
IMA 1464	Rock Pulp	2.1	1803	13.94	14	0.177	3.60	0.162	0.04	0.1	21.1	5	0.2	8.0	1.1	<0.1	<1	21	2.4	<0.1	2.0
IMA 1465	Rock Pulp	2.9	2111	14.44	58	0.140	2.54	0.108	0.21	0.2	22.8	7	0.9	7.3	1.2	<0.1	<1	15	7.4	0.2	8.1

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Project: None Given
Report Date: September 10, 2014

CERTIFICATE OF ANALYSIS VAN14002582.1

Method		MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Hf	In	Re	Se	Te	Tl
Unit		ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.1	0.05	0.005	1	0.5	0.5
IMA 1436	Rock Pulp	0.3	<0.05	0.005	<1	1.7	<0.5
IMA 1437	Rock Pulp	3.4	0.05	<0.005	<1	<0.5	2.3
IMA 1438	Rock Pulp	0.2	<0.05	<0.005	<1	1.0	<0.5
IMA 1439	Rock Pulp	1.4	<0.05	<0.005	<1	<0.5	<0.5
IMA 1440	Rock Pulp	2.4	<0.05	<0.005	<1	<0.5	<0.5
IMA 1441	Rock Pulp	2.1	<0.05	<0.005	<1	<0.5	<0.5
IMA 1442	Rock Pulp	1.3	<0.05	<0.005	<1	<0.5	<0.5
IMA 1443	Rock Pulp	0.6	0.08	<0.005	1	0.6	<0.5
IMA 1444	Rock Pulp	0.5	0.13	<0.005	<1	0.9	<0.5
IMA 1445	Rock Pulp	0.2	<0.05	<0.005	<1	<0.5	<0.5
IMA 1446	Rock Pulp	2.2	0.09	<0.005	<1	<0.5	0.5
IMA 1447	Rock Pulp	3.5	0.30	<0.005	<1	<0.5	2.7
IMA 1448	Rock Pulp	0.4	0.07	<0.005	<1	7.7	<0.5
IMA 1449	Rock Pulp	0.3	<0.05	<0.005	1	12.0	<0.5
IMA 1450	Rock Pulp	2.8	<0.05	<0.005	<1	1.0	<0.5
IMA 1451	Rock Pulp	1.6	<0.05	0.022	<1	<0.5	<0.5
IMA 1452	Rock Pulp	2.9	<0.05	0.006	<1	<0.5	<0.5
IMA 1453	Rock Pulp	2.6	0.07	<0.005	<1	<0.5	<0.5
IMA 1454	Rock Pulp	2.8	0.08	<0.005	<1	<0.5	<0.5
IMA 1455	Rock Pulp	2.4	<0.05	0.006	2	<0.5	<0.5
IMA 1456	Rock Pulp	<0.1	<0.05	<0.005	<1	<0.5	<0.5
IMA 1457	Rock Pulp	0.4	0.06	<0.005	1	0.9	<0.5
IMA 1458	Rock Pulp	3.3	0.15	<0.005	<1	0.8	2.0
IMA 1459	Rock Pulp	0.7	0.07	<0.005	<1	1.4	<0.5
IMA 1460	Rock Pulp	1.5	0.13	<0.005	3	<0.5	<0.5
IMA 1461	Rock Pulp	0.4	0.36	0.005	16	1.2	<0.5
IMA 1462	Rock Pulp	1.8	0.15	<0.005	2	0.9	0.6
IMA 1463	Rock Pulp	1.0	0.37	<0.005	<1	<0.5	<0.5
IMA 1464	Rock Pulp	0.7	<0.05	<0.005	<1	1.0	<0.5
IMA 1465	Rock Pulp	0.6	<0.05	<0.005	<1	1.7	<0.5

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Project: None Given
Report Date: September 10, 2014

CERTIFICATE OF ANALYSIS VAN14002582.1

Method		PUL85	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.001
IMA 1466	Rock Pulp		0.8	23.7	0.7	100	<0.1	55.6	46.4	1844	7.53	<1	<0.1	0.4	142	<0.1	0.1	<0.1	491	4.82	0.058
IMA 1467	Rock Pulp		0.6	68.3	0.5	130	<0.1	22.3	40.5	2444	10.73	3	<0.1	0.4	64	<0.1	<0.1	<0.1	472	2.81	0.062
IMA 1468	Rock Pulp		0.6	48.3	1.0	100	<0.1	1165.3	120.2	1576	9.12	3	<0.1	0.2	27	0.2	0.1	<0.1	110	2.32	0.019
IMA 1469	Rock Pulp		0.4	14.7	0.7	83	<0.1	1071.0	112.3	1421	8.39	<1	<0.1	0.2	12	<0.1	0.3	<0.1	104	2.55	0.039
IMA 1470	Rock Pulp		0.3	27.7	0.8	72	<0.1	1136.6	116.8	1475	8.12	38	<0.1	0.1	159	<0.1	0.5	<0.1	80	2.51	0.012
IMA 1471	Rock Pulp		0.3	102.8	0.7	76	<0.1	135.2	49.3	1548	7.52	<1	<0.1	0.3	163	0.1	<0.1	<0.1	248	6.79	0.027
IMA 1472	Rock Pulp		2.4	11.3	3.6	95	<0.1	13.8	6.8	288	1.23	4	1.0	3.5	127	0.3	<0.1	<0.1	50	0.81	0.034
IMA 1473	Rock Pulp		0.9	42.1	4.9	76	<0.1	30.7	12.0	1182	2.65	1	0.5	2.1	197	0.2	<0.1	<0.1	69	4.54	0.049
IMA 1474	Rock Pulp		1.0	44.0	3.3	89	<0.1	48.9	23.7	1318	5.02	1	0.5	2.2	110	0.2	<0.1	<0.1	90	2.69	0.066
IMA 1475	Rock Pulp		1.2	33.1	3.1	58	<0.1	34.6	16.4	793	3.55	1	0.6	2.3	208	<0.1	<0.1	<0.1	75	2.23	0.078
IMA 1476	Rock Pulp		1.1	30.2	3.4	71	<0.1	39.3	18.0	1268	4.93	<1	0.6	2.1	251	<0.1	<0.1	<0.1	74	1.63	0.054
IMA 1477	Rock Pulp		0.5	89.1	1.1	79	<0.1	169.1	51.9	1476	7.77	5	<0.1	0.4	141	0.2	0.2	<0.1	252	6.54	0.026
IMA 1478	Rock Pulp		0.3	75.5	2.1	90	0.1	176.4	57.6	1546	7.83	6	<0.1	0.3	161	0.1	0.2	<0.1	254	5.94	0.024
55779	Rock Pulp	490	1.2	83.4	32.6	36	0.3	79.5	30.5	305	5.92	19	4.5	12.3	28	<0.1	1.2	0.5	158	0.24	0.042
55780	Rock Pulp	515	1.2	73.8	19.7	35	0.2	80.2	34.3	261	5.77	26	4.5	11.9	22	<0.1	1.3	0.3	166	0.10	0.042
55781	Rock Pulp	415	2.2	189.9	22.9	29	0.5	100.6	39.8	275	6.26	17	4.0	12.6	19	<0.1	1.3	0.6	184	0.19	0.049
55782	Rock Pulp	535	1.8	77.6	93.1	36	1.0	145.6	39.5	356	7.30	14	4.7	14.3	26	<0.1	1.2	1.4	164	0.82	0.057

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Client: **MacGregor, R.A.**
28 Ford St.
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Project: None Given
Report Date: September 10, 2014

CERTIFICATE OF ANALYSIS VAN14002582.1

Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Ll	S	Rb
Unit	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
MDL	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1	0.1
IMA 1466	Rock Pulp	6.0	65	2.77	93	1.262	7.48	3.168	0.14	0.1	66.8	15	0.9	35.0	3.9	0.2	<1	50	8.1	<0.1	3.2
IMA 1467	Rock Pulp	4.2	36	3.50	26	1.366	6.88	0.838	0.06	0.1	50.2	11	0.3	26.4	3.8	0.2	<1	49	27.4	<0.1	2.2
IMA 1468	Rock Pulp	2.5	2091	15.36	25	0.189	2.93	0.188	0.09	0.4	21.8	6	0.7	7.4	1.2	<0.1	<1	18	4.2	0.3	4.6
IMA 1469	Rock Pulp	2.5	2030	15.82	11	0.155	2.57	0.144	0.04	0.2	17.8	6	0.6	7.7	0.9	<0.1	<1	17	1.9	<0.1	2.5
IMA 1470	Rock Pulp	1.2	2330	15.90	11	0.144	2.19	0.036	0.03	0.5	7.3	3	0.2	5.2	0.9	<0.1	<1	14	2.8	<0.1	1.9
IMA 1471	Rock Pulp	3.1	230	4.61	110	0.461	7.73	1.399	0.69	0.1	29.0	8	0.4	15.9	1.7	<0.1	<1	39	17.3	<0.1	28.9
IMA 1472	Rock Pulp	17.9	75	0.36	413	0.246	6.20	2.623	1.49	0.5	106.6	35	1.2	12.3	5.0	0.3	<1	7	9.2	0.2	78.7
IMA 1473	Rock Pulp	14.5	68	0.66	469	0.305	7.57	2.472	2.47	0.3	100.1	30	1.2	12.1	4.5	0.3	<1	10	27.1	<0.1	66.6
IMA 1474	Rock Pulp	14.6	70	0.77	267	0.391	7.31	1.851	2.26	0.2	118.2	33	1.2	15.8	5.2	0.3	<1	12	16.8	0.4	56.3
IMA 1475	Rock Pulp	15.4	85	1.40	269	0.363	7.41	3.105	0.97	0.3	111.1	32	0.9	12.5	4.9	0.3	<1	10	17.3	<0.1	41.8
IMA 1476	Rock Pulp	13.2	101	1.44	249	0.322	7.48	4.329	0.42	0.2	80.2	26	0.9	10.7	4.0	0.3	<1	10	12.9	0.5	10.0
IMA 1477	Rock Pulp	3.3	352	4.85	66	0.529	7.35	1.776	0.30	0.2	42.9	8	0.5	19.1	2.1	0.1	<1	38	29.3	<0.1	7.4
IMA 1478	Rock Pulp	2.6	305	4.96	128	0.495	7.25	1.579	0.75	0.9	31.3	7	0.5	17.9	1.8	0.1	<1	40	22.0	<0.1	33.9
55779	Rock Pulp	33.7	116	1.41	531	0.451	9.26	0.397	4.49	2.8	115.5	65	2.3	19.0	9.1	0.8	3	20	37.2	0.4	249.3
55780	Rock Pulp	35.0	114	1.36	547	0.419	9.48	0.279	5.14	3.0	113.8	69	2.4	19.2	9.1	0.7	3	20	36.3	0.4	255.5
55781	Rock Pulp	42.5	138	1.18	565	0.519	9.77	0.061	5.36	3.5	124.3	79	2.6	22.2	9.6	0.8	3	24	32.8	1.0	291.2
55782	Rock Pulp	47.4	122	1.20	383	0.418	9.11	0.065	5.21	3.6	123.7	87	2.9	21.1	10.0	0.8	3	21	33.1	1.3	246.7

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Project: None Given
Report Date: September 10, 2014

CERTIFICATE OF ANALYSIS VAN14002582.1

Method	MA200	MA200	MA200	MA200	MA200	MA200
Analyte	Hf	In	Re	Se	Te	Tl
Unit	ppm	ppm	ppm	ppm	ppm	ppm
MDL	0.1	0.05	0.005	1	0.5	0.5
IMA 1466 Rock Pulp	1.7	<0.05	<0.005	<1	<0.5	<0.5
IMA 1467 Rock Pulp	1.2	0.14	<0.005	<1	<0.5	<0.5
IMA 1468 Rock Pulp	0.5	<0.05	<0.005	<1	0.9	<0.5
IMA 1469 Rock Pulp	0.4	<0.05	<0.005	<1	0.6	<0.5
IMA 1470 Rock Pulp	0.2	0.06	<0.005	<1	<0.5	<0.5
IMA 1471 Rock Pulp	0.9	0.05	<0.005	<1	<0.5	<0.5
IMA 1472 Rock Pulp	3.0	<0.05	<0.005	<1	<0.5	<0.5
IMA 1473 Rock Pulp	2.8	<0.05	<0.005	<1	<0.5	<0.5
IMA 1474 Rock Pulp	3.2	<0.05	<0.005	<1	<0.5	<0.5
IMA 1475 Rock Pulp	2.9	<0.05	<0.005	<1	<0.5	<0.5
IMA 1476 Rock Pulp	2.2	<0.05	<0.005	<1	<0.5	<0.5
IMA 1477 Rock Pulp	1.4	<0.05	<0.005	<1	1.3	<0.5
IMA 1478 Rock Pulp	1.0	<0.05	<0.005	<1	<0.5	<0.5
55779 Rock Pulp	3.4	0.09	<0.005	<1	<0.5	1.1
55780 Rock Pulp	3.2	<0.05	<0.005	<1	<0.5	1.1
55781 Rock Pulp	3.6	0.10	0.006	3	<0.5	1.2
55782 Rock Pulp	3.8	0.08	0.008	3	0.7	1.1

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Project: None Given
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QUALITY CONTROL REPORT VAN14002582.1

	Method	PUL85	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.001
Pulp Duplicates																					
55782	Rock Pulp	535	1.8	77.6	93.1	36	1.0	145.6	39.5	356	7.30	14	4.7	14.3	26	<0.1	1.2	1.4	164	0.82	0.057
REP 55782	QC		1.7	82.3	97.5	36	1.0	141.2	42.8	356	7.49	19	4.6	15.0	25	0.1	1.1	1.3	161	0.80	0.055
Reference Materials																					
STD OREAS25A-4A	Standard		2.0	32.9	23.7	42	<0.1	47.4	7.6	451	6.61	9	2.5	14.2	44	<0.1	0.6	0.3	158	0.28	0.047
STD OREAS25A-4A	Standard		2.5	36.2	28.4	47	<0.1	46.5	8.2	485	6.61	10	2.8	16.6	49	0.1	0.6	0.4	160	0.30	0.054
STD OREAS25A-4A	Standard		2.0	33.9	25.4	55	<0.1	47.8	7.2	468	6.59	10	2.7	14.1	46	<0.1	0.6	0.4	167	0.27	0.053
STD OREAS45E	Standard		2.1	815.9	18.0	46	0.3	504.2	57.7	549	24.46	15	2.2	12.2	16	<0.1	0.9	0.3	338	0.08	0.033
STD OREAS45E	Standard		2.3	816.8	20.5	49	0.4	495.6	63.4	562	24.45	18	2.6	14.3	18	<0.1	1.0	0.3	333	0.06	0.037
STD OREAS45E	Standard		2.2	799.9	19.5	56	0.3	490.1	57.5	591	26.38	18	2.4	12.8	18	<0.1	1.0	0.3	343	0.09	0.036
STD OREAS25A-4A			2.55	33.9	25.2	44.4		45.8	8.2	470	6.6		2.94	15.8	48.5		0.67	0.35	157	0.309	0.048
STD OREAS45E Expected			2.4	780	18.2	46.7	0.311	454	57	570	24.12	16.3	2.41	12.9	15.9	0.06	1	0.28	322	0.065	0.034
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.2	2	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.001
BLK	Blank		<0.1	0.5	<0.1	<1	<0.1	0.4	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	0.001
BLK	Blank		<0.1	0.1	<0.1	<1	<0.1	0.2	<0.2	2	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.001

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Project: None Given
Report Date: September 10, 2014

QUALITY CONTROL REPORT VAN14002582.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S	Rb
	Unit	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	MDL	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1	0.1
Pulp Duplicates																					
55782	Rock Pulp	47.4	122	1.20	383	0.418	9.11	0.065	5.21	3.6	123.7	87	2.9	21.1	10.0	0.8	3	21	33.1	1.3	246.7
REP 55782	QC	44.3	135	1.22	355	0.432	8.58	0.070	5.10	3.8	126.6	86	2.9	20.5	10.1	0.9	3	21	34.7	1.4	248.6
Reference Materials																					
STD OREAS25A-4A	Standard	22.7	117	0.38	146	0.950	8.96	0.116	0.46	1.8	139.6	49	3.6	11.1	19.0	1.2	1	14	37.5	<0.1	56.0
STD OREAS25A-4A	Standard	24.8	122	0.34	155	0.931	9.01	0.134	0.48	1.7	149.3	50	4.0	11.6	19.6	1.4	<1	14	38.3	<0.1	64.4
STD OREAS25A-4A	Standard	17.2	101	0.35	151	0.997	9.09	0.147	0.53	1.8	155.4	43	4.1	9.7	20.3	1.4	1	14	40.9	<0.1	55.7
STD OREAS45E	Standard	10.8	1091	0.17	246	0.566	7.03	0.068	0.31	1.0	89.2	23	1.3	8.3	5.6	0.5	<1	102	6.6	<0.1	19.6
STD OREAS45E	Standard	12.9	989	0.17	273	0.560	6.93	0.060	0.35	1.0	95.7	27	1.5	8.7	6.6	0.5	<1	95	7.2	<0.1	23.3
STD OREAS45E	Standard	10.8	963	0.17	260	0.482	7.25	0.059	0.39	1.0	105.0	25	1.4	8.6	6.9	0.5	<1	99	8.2	<0.1	22.4
STD OREAS25A-4A		21.8	115	0.327	147	0.977	8.87	0.134	0.482	2.1		48.9	4.06	12.3	22.4	1.6	1.02	13.7	36.7	0.051	61
STD OREAS45E Expected		11	979	0.156	252	0.559	6.78	0.059	0.324	1.07	97	23.5	1.32	8.28	6.8	0.54		93	6.58	0.046	21.2
BLK	Blank	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1	0.1
BLK	Blank	<0.1	3	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	0.2	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1	<0.1
BLK	Blank	<0.1	1	<0.01	<1	0.003	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1	0.2

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Project: None Given
Report Date: September 10, 2014

QUALITY CONTROL REPORT VAN14002582.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Hf	In	Re	Se	Te	Tl
	Unit	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.1	0.05	0.005	1	0.5	0.5
Pulp Duplicates							
55782	Rock Pulp	3.8	0.08	0.008	3	0.7	1.1
REP 55782	QC	3.7	0.09	0.008	4	0.7	1.2
Reference Materials							
STD OREAS25A-4A	Standard	4.0	0.07	<0.005	2	<0.5	<0.5
STD OREAS25A-4A	Standard	4.3	0.10	<0.005	3	<0.5	<0.5
STD OREAS25A-4A	Standard	4.0	0.11	<0.005	4	<0.5	<0.5
STD OREAS45E	Standard	2.7	0.11	<0.005	2	<0.5	<0.5
STD OREAS45E	Standard	3.0	0.09	<0.005	3	<0.5	<0.5
STD OREAS45E	Standard	3.1	0.11	0.007	3	<0.5	<0.5
STD OREAS25A-4A		4.53					0.35
STD OREAS45E Expected		3.11	0.099		2.97	0.1	0.09
BLK	Blank	<0.1	<0.05	<0.005	<1	<0.5	<0.5
BLK	Blank	<0.1	<0.05	<0.005	1	<0.5	<0.5
BLK	Blank	<0.1	<0.05	<0.005	<1	<0.5	<0.5