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Analysis of Drill Core Rejects

Hyman Township

For

Skead Holdings Ltd.

Ву

R.A. MacGregor, P. Eng.

October 03, 2020

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Summary

Rejects from previous drilling were recovered where possible from drill holes which had been drilled in 2007-2008 and transported to Sault Ste. Marie. Rejects which had not been contaminated by broken bags were recovered, processed and analysed by ICP-MS for 45 elements. The remaining rejects were placed in new marked plastic bags and archived for future reference. Additional sampling was also carried out on a number of samples for Rare Earth elements and gold.

Location and Access

The Hyman township property consists of the former Agnew Lake mine in the north central part of the township. Hyman Township is located approximately 80 km west of Sudbury and 20km north-east of Espanola, Ontario. It can be accessed from Hwy 17 by paved and gravel roads. A good paved road goes right to the former Agnew Lake mine.

Previous Exploration

The property was first discovered in the 1950's uranium boom and considerable drilling done It was further explored by Kerr-Addison Mines in the 1970's and operated as a producing uranium mine from 1978-1983. Extraction was by a process of leaching broken rock in place as well as hoisting some rock to surface which was heap leached. There is reported to be a six compartment shaft to a depth of 950 metres as well as a decline to the 580 metre level. There are reported uranium resources remaining in the mine, which at this point are not 43-101 compliant. There are also significant thorium and rare earth resources which do not appear to have been fully evaluated.

Work Program

Rejects from previous drilling in Hyman Township during 2007-2008 were located stored on private property at a site near Nairn Centre, Ontario. The rejects had been piled on wooden pallets and covered with plastic tarpaulins. Both the tarpaulins and plastic bags containing the rejects had deteriorated and broken in the outside layers over time. Rejects in plastic bags which appeared to have not been broken were recovered and transported to Sault Ste. Marie. Bags which had been broken open and old plastic was transported to a local dump.

Reject bags which were uncontaminated were cleaned, removed from their existing plastic bags and placed in aluminium pans along with identification tags. After drying and breaking up coarse lumps a 300-400 gram portion of the reject was placed in marked heavy paper envelopes and sent for sample preparation (pulverization to -200 mesh) to Swastika Labs. The remaining reject material was placed in new plastic bags with new sample tags and retained for future reference.

Pulps were recovered from Swastika Labs and a 20-30 gram portion placed in marked envelopes. These were sent to Bureau Veritas Labs in Vancouver for analysis of 45 elements by ICP-MS after a 4-acid dissolution. Additional samples were also sent for rare earth analysis and gold.

Prefix of samples analysis gives the assay method as follows:

IMA 4-acid dissolution-analysis of 45 elements by ICP-MS

REE lithium borate fusion-analysis of 31 refractory and rare earth elements by ICP-MS

IAX agua regia digestion of a 15 gram sample with analysis of 36 elements by ICP-ES

WR lithium borate fusion-whole rock analysis by ICP-MS

A aqua regia dissolution of 15 gram sample for gold by ICP-MS

Au fire assay of 30 gram sample for gold

Pulps not sent for analysis have been archived in 40 dram plastic vials and stored in wooden boxes holding 91 vials each.

Subsequent sorting and racking of core has allowed for identification of drill hole numbers and correlation of most sample intervals using the original sample numbers. Sampling of drill core to fill in sections where reject samples are missing is in progress.

Results and Conclusions

Analysis shows significant values for some samples in both uranium and the only two rare earths, Ce and La included in the analytical package. A number of samples showed >2000 ppm for Ce and also La, the upper limit for analysis. The sampling was essentially blind with sample locations only becoming available after sorting and racking of reclaimed core. It has given a good indication of where to concentrate further sampling both for fill in and rare earth sampling which is now in progress. Compared to Elliot Lake, thorium values appear much higher and sulphide (pyrite) is much lower. Rare earth values also appear higher for similar grades of uranium and are probably more related to thorium. Further work may show a clearer correlation.

Respectfully submitted

October 03,2020

R.A. MacGregor, P. Eng.

Table 1

Sample Intervals

NA07-05

Sample No.	Analysis No.	Additional Analysis No's.
175381	IMA 2463	A 332 WR 421 WR 423 Au
34329	IMA 2858	A331 WR 422
34330	IMA 2859	IAX 475
175384	IMA 2467	Au
175385	IMA 2468	Au
175386	IMA 2821	
175387	IMA 1926	
175389	IMA 2741	
175391	IMA2683	
175392	IMA 2736	
175393	IMA 2465	Au
175394	IMA 2628	Au
175395	IMA 2740	
175396	IMA 2872	Au
0522	IMA 2830	
0523	IMA 2829	
0524	IMA 2828	
0525	IMA 2827	REE 317
0526	IMA 2826	REE 318
0527	IMA 2825	REE 320
0528	IMA 2824	
0529	IMA 2823	
0530	IMA 2822	REE 321
175409	IMA 1927	IMA2873 ŘĒE 186
	175381 34329 34330 175384 175385 175386 175389 175391 175392 175393 175394 175395 175396 0522 0523 0524 0525 0526 0527 0528 0529	175381 IMA 2463 34329 IMA 2858 34330 IMA 2859 175384 IMA 2467 175385 IMA 2468 175386 IMA 2821 175387 IMA 1926 175389 IMA 2741 175391 IMA2683 175392 IMA 2736 175393 IMA 2465 175394 IMA 2628 175395 IMA 2740 175396 IMA 2872 0522 IMA 2830 0523 IMA 2829 0524 IMA 2829 0524 IMA 2828 0525 IMA 2827 0526 IMA 2827 0526 IMA 2827 0528 IMA 2824 0529 IMA 2823

NA07 - 05

Sample Interval (m)	Sample No.	Analysis No.	Additional Analysis No's.
200.0 – 201.0	0531	IMA 2831	REE 322
201.0 – 202.0	175411	IMA 2862	Au
202.0 – 203.0	175412	iMA 2812	REE 328
203.0 – 204.0	175413	IMA 2813	REE 329
204.0 – 205.0	175414	IMA 2867	REE 335 Au
205.0 - 206.0	175415	IMA 2868	REE 334 Au
206.0 – 207.0	175416	IMA 2814	REE 178
207.0 – 208.0	175417	IMA 2866	REE 160 Au
208.0 – 209.0	175418	IMA 2863	REE 164 Au
209.0 - 210.0	175419	IMA 2869	REE 161 Au
210.0 - 211.0	175421	IMA 2815	REE 177
211.0 - 212.0	175422	IMA 2860	IAX 478
212.0 - 213.0	175423	IMA 2816	REE 176
213.0 – 214.0	175424	IMA 2817	REE 175
214.0 - 215.0	0532	IMA 2832	
215.0 – 216.0	175426	IMA 2865	REE 162 Au
216.0 - 217.0	0465		
217.0 - 218.0	17528	IMA 2818	REE 174
218.0 – 219.0	0466		
219.0 – 220.0	0467		
220.0 – 221.0	175431	IMA 2743	
221.0 – 222.0	175432	IMA 2819	REE 173 IMA 2861
222.0 – 223.0	175433	IMA 2870	REE 167 Au
223.0 - 224.0	175434	IMA 2820	REE 172

NA07 - 05

Sample Interval (m)	Sample No.	Analysis No.	Additional Analysis No's.
224.0 – 225.0	0468		
225.0 – 226.0	0469		
226.0 – 227.0	175437	IMA 2864	REE 166 IMA 2871 Au
227.0 – 228.0	0535	IMA 2835	REE 171
228.0 – 229.0	0534	IMA 2834	REE 326
229.0 – 230.0	0536	IMA 2836	REE 323
230.0 – 231.0	0537		
231.0 - 232.0	175444	IMA 2742	
232.0 - 233.0	175445	IMA 2744	
233.0 – 234.0	0533	IMA 2833	

NA07 - 08

Sample Interval (m)	Sample No.	Analysis No.	Additional Analysis No's.
216.0 – 217.0	176761		REE 315
419.0 – 419.5	176807	IMA 2649	

Sample Interval (m)	Sample No.	Analysis No.	Additional Analysis No's.
	158316	IMA 2754	
	158318	IMA 2713	
	158320	IMA 2714	
359.0 - 360.0	158324	IMA 2746	
361.0 - 362.0	158326	IMA 2712	
362.0 - 363.0	158328	IMA 2802	
Blank	158332	IMA 2751	REE 470
364.0 - 365.0 366.0 - 367.0	158334 158336	IMA 2811	REE 471
371.0 – 372.0	158341		REE368
372.0 - 373.0	158342	IMA 2775	1 MA 2958
373.0 – 374.0	158343	IMA 2753	
Blank	158350	IMA 2750	REE 401

NA08 - 18

Sample Interval	Sample No.	Analysis No.	Additional Analysis No's.
252.0 – 253.0	158372	IMA 2804	
253.0 – 254.0	158373	IMA 2805	REE 473
254.0 - 255.0	158374	IMA 2806	REE 472
273.0 – 274.0	158393	IMA 2810	
274.0 – 275.0	158394	IMA 2809	
275.0 – 276.0	158395	IMA2808	
276.0 – 277.0	158396	IMA 2807	
278.0 – 279.0	158398	IMA 2803	
280.0 - 281.0	158401	IMA 2969	REE 390
281.0 – 282.0	158402	IMA 2970	REE 391
282.0 - 283.0	158403	IMA 2971	REE 392
284.0 - 285.0	158405	IMA 2972	REE393
285.0 – 286.0	158406	IMA 2973	REE 394
286.0 – 287.0	158407	IMA 2974	
287.0 - 288.0	158408	IMA 2975	

NA08 - 19

Sample Interval (m)	Sample No.	Analysis No.	Additional Analysis No's
293.0 – 294.0	158420	IMA 2976	REE 397
294.0 – 295.0	158421	IMA 2977	REE 398
295.0 – 296.0	158422	IMA 2978	REE 395
297.0 – 298.0	158424	IMA 2979	
298.0 – 299.0	158425	IMA 2980	REE 396
Blank	158433	IMA 2981	REE 476
306.0 – 307.0	158434	IMA 1848	
307.0 – 308.0	158435	IMA 2982	REE 399
308.0 – 309.0	158436	IMA 2983	REE 477
309.0 – 310.0	158437	IMA 2984	
310.0 – 311.0	158438	IMA 2985	
311.0 – 312.0	158439	IMA 2986	
312.0 – 313.0	158440	IMA 2987	
313.0 – 314.0	158441	IMA2988	REE 400
314.0 – 315.0	158442	IMA 2989	RE E 475
315.0 – 316.0	158443	IMA 2990	REE 474
318.0 – 319.0	158446	IMA 2992	
319.0 – 320.0	158447	IMA 2991	
320.0 – 321.0	158448	IMA 2993	
321.0 – 322.0	158449	IMA 2994	
322.0 – 323.0	242001	IMA 1947	REE 371
323.0 – 324.0	242002	IMA 2964	
328.0 – 329.0	242006	IMA 2961	
329.0 – 330.0	242007	IMA 2960	

Sample Interval (m)	Sample No.	Analysis No.	Additional Analysis No's
331.0 - 332.0	242009	IMA 2959	
332.0 - 333.0	242010	IMA 1948	
336.0 – 337.0	242014	IMA2963	
341.0 - 342.0	242018	IMA 2965	

NA08 - 21

Sample Interval (m)	Sample No.	Anal ysis No.	Additional Analysis No's.
41.0 - 42.0	176711	IMA 2774	
47.0 – 48.0	176717	IMA 2755	
108.0 - 109.0	176732		REE 378
109.0 - 110.0	176733	IMA 2734	
116.0 – 117.0	176740	IMA 2749	REE 379
121.0 - 122.0	176745		REE 380
125.0 – 126.0	242451	IMA 2940	
129.0 – 130.0	242455		REE 388
130.0 – 131.0	242456	IMA 2967	REE 386
131.0 – 132.0	242457		REE 455
132.0 – 133.0	242458		REE 456
133.0 – 134.0	242459		REE 457
134.0 – 135.0	242460		REE 458
135.0 – 136.0	242461		REE 349
136.0 – 137.0	242462		REE 350
137.0 – 138.0	242463		REE 451
139.0 - 140.0	242465		REE 452
Blank	242469	IMA 2698	
305.0 - 306.0	242472		REE 453
306.0 – 307.0	242473		REE 454
307.0 – 308.0	242474	IMA2694	
	242476		REE 284

NA08 - 25

Sample Interval (m)	Sample No.	Analysis No.	Additional Analysis No's.
61.0 - 62.0	242084	IMA 2766	
62.0 - 63.0	242085	IMA2695	
63.0 - 64.0			REE 347
64.0 – 65.0	242087	IMA 2715	REE 383
67.0 – 68.0	242090	IMA 2717	
72.0 – 73.0	242095	IMA 2718	
74.0 - 75.0	242097		REE 348
78.0 – 79.0	242151	IMA 2716	A 388
Blank	242153	IMA 2703	
195.0 – 196.0	242162	IMA 2767	REE 377
196.0 - 197.0	242163	IMA 2651	REE 282
198.0 – 199.0	242165	IMA 2771	REE 381
199.0 – 200.0	242166	IMA 2655	REE 285
200.0 - 201.0	242167	IMA 2653	REE 283
203.0 - 204.0	242170	IMA 2701	
207.0 – 208.0	242174	IMA 2702	
282.0 – 283.0	242184	IMA 2730	
283.0 – 284.0	242185	IMA 2697	
286.0 – 287.0	242188	IMA 2724	REE 384
288.0 – 289.0	242190	IMA 2706	REE 369
289.0 – 289.9	242191	IMA 248	REE 488 IMA 2968
328.0 – 329.0	242192	IMA 2765	
330.0 – 331.0	242194	IMA 2757	
331.0 – 332.0	242195	IMA 2705	

Sample Interval (m)	Sample No.	Analysis No.	Additional Analysis No's.
333.0 - 334.0	242197	IMA 2704	REE 370
334.0 – 335.0	242198	IMA 2747	REE 387
335.0 – 336.0	242199	IMA 2699	
337.0 - 338.0	242201	IMA 2758	

Sample Interval (m)	Sample No.	Analysis No.	Additional Analysis No's.
106.0 - 107.0	242224	IMA 2711	
108.0 - 109.0	242226	IMA 2966	

Appendix I

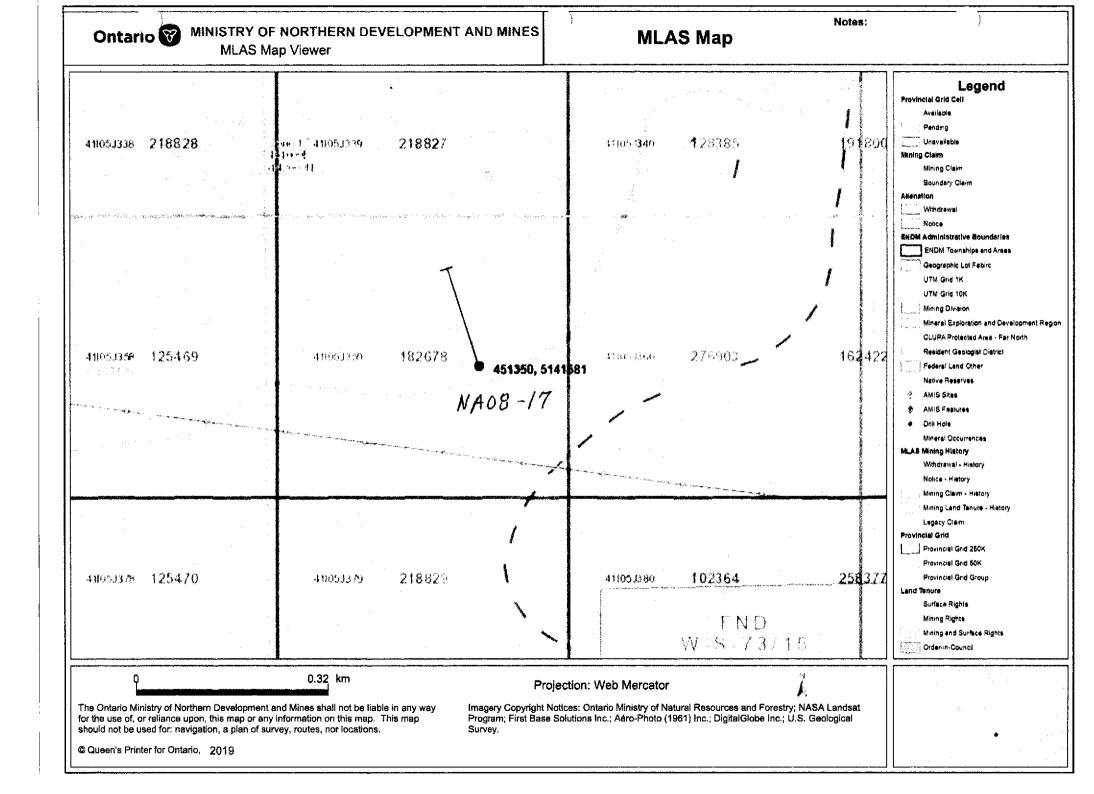
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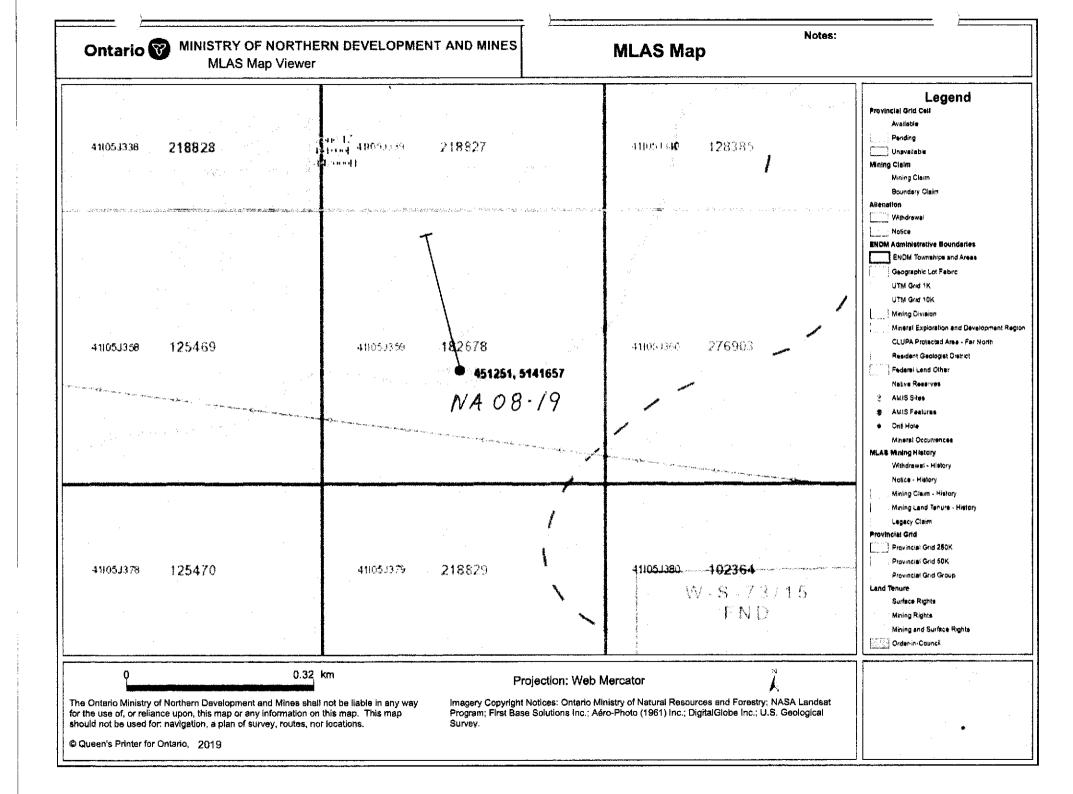
Notes: Ontario W MINISTRY OF NORTHERN DEVELOPMENT AND MINES **MLAS Map** MLAS Map Viewer Legend Provincial Grid Call Available Pending Unevailable Mining Claim Mining Claim Boundary Claim 218827 41/05/321 191800 411051322 156341 Alienation 41105.1340 128385 Withdrawal 418853333 Notice **ENDM Administrative Boundaries** June 1. ENDM Townships and Areas Geographic Lot Fabiro 51 LA0~44 UTM Grid 1K UTM Grid 10K Mining Division Mineral Exploration and Development Region CLUPA Protected Area - Far North Resident Geologist District Federal Land Other 452081, 5141851 Native Reserves NA07-05 AMIS Sites # AMIS Features Drift Hole Mineral Occurrences MLAS Mining History 411051342 156342 182678 276903 41009341 162422 Withdrawal - History 43000 4660 Notice - History 411353359 Mining Claim - History Mining Land Tenure - History Legacy Claim Provincial Grid Provincial Grid 250K Provincial Grid 50K Provincial Gr.d Group Land Tenure Surface Rights 4100-337 Mining Rights 411051362 191801 258377 213829 41105,3380 102364 411059361 Mining and Surface Rights Order-in-Council 0.32 km Projection: Web Mercator Imagery Copyright Notices: Ontario Ministry of Natural Resources and Forestry; NASA Landsat The Ontario Ministry of Northern Development and Mines shall not be liable in any way Program: First Base Solutions Inc.; Aéro-Photo (1961) Inc.; Digital Globe Inc.; U.S. Geological for the use of, or reliance upon, this map or any information on this map. This map should not be used for: navigation, a plan of survey, routes, nor locations. Survey.

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Notes: Ontario W MINISTRY OF NORTHERN DEVELOPMENT AND MINES **MLAS Map** MLAS Map Viewer Legend Provincial Grid Cell Available Pending विकार हैं। |देशकाल की 1105,1370 | 4tec. 840 128385 218828 218827 183424 Unavailable 41105.038 Mining Claim Mining Claim Boundary Claim Alienation Withdrawal Notice **ENDM Administrative Soundaries** ENDM Townships and Areas Geographic Lot Fabire UTM Grid 1K UTM Grid 10K Mining Division Mineral Exploration and Dayslopment Region CLUPA Protected Area - Far North 276903 246748 125469 41105J359 182678 41000.5560 Resident Geologist District 411053558 Federal Land Other 451188, 5141656 Native Reserves AMIS Stee NA08-25 AMIS Features Drill Hole Mineral Occumences MLAS Mining History Withdrawai - History Notice - History Mining Claim - History Mining Land Tenure - History Legacy Claim Provincial Grid Provincial Grid 250K Provincial Grid 50K 233986 125470 218829 411053380 402364 #1105J379 Provincial Grid Group 4110% 1878 Land Tenure Surface Rights FND Mining Rights W-S-73/15 Mining and Surface Rights Order-in-Council 0.32 km Projection: Web Mercator Imagery Copyright Notices: Ontario Ministry of Natural Resources and Forestry; NASA Landsat Program; First Base Solutions Inc.; Aéro-Photo (1961) Inc.; DigitalGlobe Inc.; U.S. Geological The Ontario Ministry of Northern Development and Mines shall not be liable in any way for the use of, or rellance upon, this map or any information on this map. This map should not be used for: navigation, a plan of survey, routes, nor locations. Survey. @ Queen's Printer for Ontario, 2019

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4H05J337 183424	41105.0338 218828	111.4 111.4 111.4 111.5 4 1110513 19 218827	Legend Provincial Grid Cell Available Panding Unevallable Mining Claim Mining Claim
411053357 24674 8	41105.1358 125469	41105J350 182678 450922 5141617 NAOS 26	Boundary Claim Allenation Withdrawel Notice RIDM Administrative Boundaries ENDM Townships and Areas Geographic Lot Fabric UTM Grid 10K Mining Division Mineral Exploration and Deve GLUPA Protected Area - Far in Resident Geologist District Feders: Land Other Native Reserves AMIS Sites AMIS Sites AMIS Features Drill Hole Mineral Occumences MLAS Mining History
4ti: 5J377 23398 6	41105.53°8 125470	41105J379 2 188 29	VAthdrawal - History Notice - History Notice - History Mining Claim - History Mining Land Tenure - History Legacy Claim Provincial Grid Provincial Grid 250K Provincial Grid 50K Provincial Grid 50K Provincial Grid Group Land Tenure Surface Rights Mining Rights Mining and Surface Rights Ordenin-Council
Q	0.32 km	Projection: Web Mercator	Å
	•	Imagery Copyright Notices: Ontario Ministry of Natural Resourc Program; First Base Solutions Inc.; Aéro-Photo (1961) Inc.; Dig Survey.	es and Forestry; NASA Landsat ItalGlobe Inc.; U.S. Geological

Appendix II

Certificate of Analysis



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Bureau Veritas Commodities Canada Ltd. 9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada PHONE (604) 253-3158 Client:

MacGregor, R.A.

28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Submitted By: Receiving Lab: R.A. MacGregor

Received:

Canada-Vancouver February 06, 2020

Analysis Start:

February 10, 2020

Report Date:

February 13, 2020

Page:

1 of 4

CERTIFICATE OF ANALYSIS

VAN20000236.1

CLIENT JOB INFORMATION

Project:

None Given

Shipment ID:

P.O. Number

Number of Samples:

80

SAMPLE DISPOSAL

RTRN-PLP

Return After 90 days

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

Invoice To:

MacGregor, R.A.

28 Ford St.

Sault Ste. Marie Ontario P6A 4N4

Canada

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SLBHP	80	Sorting, labeling and boxing samples received as pulps			VAN
LE100	RO.	Refractory and REEs by fusion and ICP-MS analysis	0.2	Completed	VAN

ADDITIONAL COMMENTS

CC:

JEFFREY CANNON



EUREAU MONERAL LABORATORIES VERITAS (1994)

www.bureauveritas.com/um

Client:

MacGregor, R.A.

28 Ford St.

Sault Ste. Maria Ontarlo P6A 4N4 Canada

Project:

Report Date:

None Given

February 13, 2020

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada PHONE (604) 253-3158

2 of 4

TUNE (604) 25	3-3 100												Page:		2 of 4	4				Pá	art: 1	of 2
vatilisi	WATEROE																V /	12				
	M	ethod	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF1											
	Aı	nalyte	Ва	Be	Co	Св	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	
		Unit	ppm	bbw	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	PF							
		MDL	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.
REE 368	Pulp		638	<1	21.5	0.5	7.4	5.6	75.9	133.6	2	21.2	7.9	752.1	119.1	38	8.2	219.6	67.8	341.9	598.0	68
REE 369	Pulp		921	2	13.4	1.2	11.6	6.5	68.4	199.6	3	27.7	7.9	981.9	183.0	27	2.2	225.9	94.6	1040.1	1881.7	199
REE 370	Pulp		696	2	5.7	0.7	6.0	4.2	48.9	130.4	1	30.5	6.1	998.2	216.9	22	1.4	152.9	99.0	1059,2	1853.5	196.
REE 371	Pulp		793	<1	7.5	0.8	8.9	6.4	68.2	171,9	2	29.7	7.8	742.2	128.5	28	2.1	221.4	66.7	813.5	1425.2	155
REE 372	Pulp		516	3	19.5	0.5	5.5	4.4	48.4	91.6	1	34.7	5,2	1088.3	264,2	20	1.0	171,1	102.6	1117,5	1994.7	209
REE 373	Pulp		356	2	12.8	1.3	10.4	7.6	68.5	158.9	3	13.2	8.0	1297.9	326.7	19	0.9	256.0	155.2	1217.9	2179.7	233
REE 374	Pulp		589	3	13.5	2.8	12.0	7.7	103.0	189.9	4	19.0	13.0	1612.3	371.5	25	1.9	272.7	157.9	1479.0	2670.5	286
REE 375	Pulp		736	2	10.5	0.8	10.0	5.1	48.7	156.0	4	19.1	5.4	526.2	155.5	20	1.2	185.8	69.7	488.8	819.3	93
REE 376	Pulp		520	2	95.2	0,4	4.8	6.8	155,0	128.0	3	33.0	21.9	2560.7	645.4	18	4.1	241.0	270.3	2733.5	4771.8	497
REE 377	Pulp		399	1	25.5	0.3	2.9	2.9	50.8	79.3	1	17.0	7.0	1144.3	497.9	19	3.1	101.8	125.2	1020.6	1786.5	195
REE 378	Pulp		1096	<1	13.6	0.9	12.3	4.1	23.0	210.2	2	27.5	2.7	504.4	91.6	10	3.0	136.8	47.9	509.1	871.9	97
REE 379	Pulp		1193	7	9.6	1.7	25.4	7.9	63.6	301.9	7	31.5	8,0	1433.6	379.6	26	1.7	263.6	154.0	1762.7	3067.5	328
REE 380	Pulp		662	4	37.9	0.7	7.4	10.5	158.0	146.6	5	35.6	19.7	3745.8	975.5	23	3.1	381.7	351.9	3738.3	6696.7	687
REE 381	Pulp		717	2	14.0	0,5	5.6	5,4	98.2	147.8	3	30.B	12,1	1509.8	226.4	23	3,0	183,1	154.3	1560,7	2803.8	296
REE 382	Pulp	1	596	<1	21.1	0.3	5.0	3.2	40.2	117.3	1	21.8	4.9	509.6	92.3	15	0.9	116.8	42.8	452.9	784.4	87
REE 383	Pulp		725	2	21.3	0.6	6.0	6.7	67.0	152.4	2	23.3	7.7	653.8	101.5	12	1.9	232.3	62.7	732.6	1301.9	140
REE 384	Pulp		723	2	8,2	8.0	6.9	7.8	64.8	162.5	2	20.6	7.9	739.5	136.6	19	2.4	267.2	81.1	772.9	1394.4	146
REE 385	Pulp		753	<1	8.8	8.0	4.8	6.0	56.9	150.5	2	30.0	7.1	1195.5	153.7	13	2.4	215.2	114.0	1275.8	2235.4	236
REE 386	Putp		475	3	54,3	0,6	3.9	9,8	129.4	106.0	4	43.2	17.1	5946.9	1452.4	13	3.4	348.0	502.1	5639,2	9865.1	1069
REE 387	Pulp		780	<1	5.9	0,6	5.7	5.3	45.8	135.7	1	34.3	5.5	699.7	135.9	11	1.3	186.6	73.1	734.6	1299.9	138
REE 388	Pulp	1	516	2	40.9	0.7	3.4	7.8	113.1	99.7	3	40.3	15.9	4555,2	919.8	11	2.9	272,5	369.9	4240,4	7552,4	778
REE 389	Pulp	1	605	1	30.5	0.5	5.1	6.7	74.9	138.5	2	26.0	9.6	1548.3	229.1	13	2.2	240.7	127.5	1680.2	3007.4	317
REE 390	Pulp		843	3	12.3	1.0	13.1	7.1	64.2	193.0	3	24.3	7.4	790.1	123.1	13	1.2	248.5	74.1	850.5	1588.7	167
REE 391	Pulp		762	1	8.9	0.8	8.5	7.2	76.0	162.7	2	24.0	8.7	773.9	125.6	9	1.9	267.2	77.2	873.2	1567.6	167
REE 392	Pulp		837	1	5.1	0.8	9.6	5.8	41.9	175.9	2	25.7	4.7	372.9	72.7	10	1.3	200.9	58.9	435.1	752.6	82
REE 393	Pulp		733	1	10.3	0.8	6.6	5.0	47.4	146.6	2	25.4	5,9	680,2	130,0	<8>	1,5	180.4	81.6	765,7	1359,1	146
REE 394	Pulp		687	1	13.0	0.6	4,9	5,2	77,7	129.8	2	29.5	9.1	987.7	172.8	13	3.1	178.4	109.1	1120.7	1996.8	209
REE 395	Pulp	t	724	1	13,9	0.7	5.9	3.8	26.3	170.1	1	22.4	3.3	402.4	80.3	12	5.7	131.0	42.9	380.4	667.4	73
REE 396	Pulp		770	1	7.3	0.7	5.9	4.4	39.2	171.1	1	24.4	4,4	461.5	93.3	19	2.0	154.9	54.9	488.1	834.6	92
REE 397	Pulp		748	<1	5.8	0.6	5.1	4.9	37.0	152.5	1	23.0	4.3	490.3	82.4	15	1.6	170.3	47.8	431.1	769.8	



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Client:

MacGregor, R.A.

28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project:

None Given

Report Date:

February 13, 2020

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Page:

2 of 4

Part:

2 of 2

CERTIFICATE OF ANALYSIS

V/A/V20101016/28(6)(4

	Method	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100
	Analyte	Nd	Sm	Eu	Gd	Tb	Dу	Ho	Er	Tm	Yb	Lu
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01
REE 368	Pulp	212.8	32.88	2.23	24.78	3.20	16.05	2.58	6.13	0.74	4.08	0.55
REE 369	Pulp	618.9	88.79	3.73	56.05	5.94	24.97	3.51	8.16	1.04	5.94	0.75
REE 370	Pulp	614.2	88.22	3.39	54.24	6.02	25.73	3.64	8.27	1.02	5.83	0.72
REE 371	Pulp	484.6	70.17	3.68	43,06	4.66	19.49	2.63	5.90	0.74	4.31	0.56
REE 372	Pulp	654.8	94,51	5.49	57.19	6.03	25.57	3.69	8.56	1.07	6.19	0.76
REE 373	Pulp	737.2	108.53	6.31	68,88	7.94	36.39	5.42	13.58	1.67	9.41	1,19
REE 374	Pulp	895.6	127.54	4.97	80.74	9.02	38.79	5.69	13.34	1.68	9.85	1.29
REE 375	Pulp	301.5	47,21	3.32	30.11	3.52	16.79	2.51	6.16	0.82	4.72	0.63
REE 376	Pulp	1578.2	233.07	10.76	155.22	18.12	83.10	11.52	26.55	3.33	19.24	2.37
REE 377	Pulp	616.8	90.96	5.00	57.58	7.04	32.79	4.93	11.67	1.46	8.35	1.04
REE 378	Pulp	305.8	44.86	2.72	26.93	2.96	12.89	1.80	3.98	0.49	2.95	0,39
REE 379	Pulp	1030,4	151,74	6.43	95.62	10.19	43.67	5.85	13.20	1.61	9,36	1.1B
REE 380	Pulp	2201.5	324.83	13.85	207.54	22.53	96.74	13.23	28.73	3.57	20.34	2.45
REE 381	Pulp	944.3	138.08	7.07	84,84	9.29	40.48	5.83	13.28	1.66	9.78	1.23
REE 382	Pulp	272.8	39.73	3.38	25.18	2.79	12.67	1.72	3.84	0.47	2.71	0.33
REE 383	Pulp	444.7	63.11	4.29	38.09	4.05	16.71	2.25	5.06	0.65	3.98	0.52
REE 384	Pulp	466.4	66.60	2.78	41.44	4.59	19.96	2.80	6.63	0.86	5.20	0.62
REE 385	Pulp	731.4	107.19	4.59	65.73	7.07	30.04	3.90	8.86	1.09	6.21	0.80
REE 386	Pulp	3283.2	480.71	20,19	301.96	33.28	140,94	19,01	41.85	5.01	28.90	3.44
REE 387	Pulp	433.0	62.63	2.49	36.64	4.18	17.98	2.52	6.13	0.76	4.26	0.56
REE 388	Pulp	2537,3	369,45	15.41	231.83	24.45	103.73	13.71	29.96	3.59	20,42	2.45
REE 389	Pulp	1002.1	143.57	6.99	85.67	9.00	36.37	4.69	10.18	1.26	7.46	0.90
REE 390	Pulp	526.8	76.09	2.99	46.18	4.84	20.54	2.72	6.21	0.78	4.65	0.61
REE 391	Pulp	532.5	74.04	2.93	43.25	4.63	19.41	2.80	6.24	0.77	4.75	0.63
REE 392	Pulp	258.4	36.64	1.57	22.03	2.73	12.70	2.02	4.85	0.67	4.00	0.53
REE 393	Pulp	459,6	67.18	2.62	40.72	4.44	19.56	2.81	6.72	0.82	4,98	0.63
REE 394	Pulp	660.7	93.74	3.77	57.58	6.52	28.48	3.96	8.80	1.09	6.31	0.80
REE 395	Pulp	227.0	33.22	1.62	21.48	2.42	10.94	1.60	3,63	0.45	2.76	0.36
REE 396	Pulp	290.0	41.47	1.76	26.30	2.96	13.28	1.91	4.59	0.57	3,47	0.44
REE 397	Pulp	270.7	37.71	2.21	23.32	2.67	12.01	1.69	4.07	0.49	2.92	0.38



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Client:

MacGregor, R.A. 28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project:

None Given

Report Date:

February 13, 2020

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Page:

3 of 4

Part 1 of 2

	DATE OF AN	ALY	SIS			n,					15400	LF100	LF100	LF100	LF100	LF100	LF100	(\$)(\$)(\$) LF100	LF100	LF100	LF1
	Method	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	Ta	Th	U	V	w	Zr	Y	La	Ce	ſ
	Analyte	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pp
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm 1	ррт 0.6	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.
	MDL	1	1	0.2	0.1	0.5	0.1	0.1	0.1 164.1	1	23.9	4.4	548.4	101.8	15	1.0	147.1	58.6	605.2	1069.8	114,
REE 398	Pulp	755	2	7.3	0,6	5.4	4.2	37.7	173.5	1	25.8	5.4	655.2	119.7	13	1.1	191.6	59.0	585.3	1005.7	111.
REE 399	Pulp	805	3	6.6	0.7	4.9	5.3	47.0	174.2	2	22.7	5.2	486.0	101.9	9	1.2	152.9	56.5	546.9	954.6	104.
REE 400	Pulp	835	<1	11.0	0.8	8.0	4.5	41.2	129.7	2	28.5	10.9	1858.5	381.0	19	3.4	161.5	196.7	1704.2	3061.0	320
REE 401	Pulp	552	1	18.6	0,3	2.6	4.3	81.8	130.1		20.3	11.9	1581.9	446.2	19	1.4	253.3	153.4	1486.8	2709.0	281
EE 402	Pulp	473	2	19.2	1.8	6.7	7.1	99.4	148.8		20.0	7.3	573.9	83.8	16	1,7	246.7	83.1	806.9	1489.6	155
EE 403	Pulp	799	1	19.8	0.4	4.6	7.2	65.6	160.6		31.9	4.1	524.3	82.1	25	1.2	149.5	45.6	629.1	1068.3	118
EE 404	Pulp	790	2	7.8	0.6	9.0	4.1	35.8 98.0	103.1	2	23.6	11.3	929.8	169.7	19	3.6	275.3	86.2	957.5	1695.6	18
EE 405	Pulp	479	1	12.6	0.2	6.7	7.5		160.7	·	23.2		1134.3	461.3	15	1.2	251.6	150.2	1203.7	2130.7	22
EE 406	Pulp	589	<1	35.7	0.9	11.1	7.1	66.1	149.0		24.9	10.2		954.9	17	2.7	252.7	232.4	1950.1	3463.1	36
EE 451	Pulp	646	3	51.9	0.5	10.7	6.9	83.8				4.2		85.7	<8	1.9	172.9	44.5	517.0	873.4	9
EE 452	Pulp	923	<1	29.4	8.0	13.8	5.0	35.0	192.8	2		5.5		82.7	19	5.4	182.1	69.6	669.2	1167.1	12
REE 453	Pulp	634	<1	5.2	0.5	6.1	5.1	46.4	156.0 158.4		30.2	14.9		360.0	26	2.8	377.0	247.1	2565.0	4535.2	47
REE 454	Pulp	538	2	16.5	0.6	6.5	10.2						1193.9	308.1	9	1.4	147.2	119.1	1298.1	2323.7	24
REE 455	Pulp	626	2	16.3	0.7	10.6	4.0		138.7				1689.0	, carried at a second	<8>	2.6	166.0	141.0	1863.4	3299.5	34 ز
REE 456	Pulp	644	<1	23.2	0.4	8.6	4.3		119.9 136.0					68,4	<8	1.5	142.5	54.4	567.8	969.9	9 10
REE 457	Pulp	801	<1	7.3	0.4	7.1	4.0							109.1	<8	1.3	153.5	69.2	819.3	1444.6	8 15
REE 458	Pulp	799	2	14.4	0.5	ويتلاحم للمل	4.3				16.5			64.8	<8>	6.5	158.2	58.6	779.6	1354.7	/ 14
REE 459	Pulp	509		26.2	0.4					-,					8	3.9	140.9	61.0	721.5	1221.7	7 13
REE 460	Pulp	612	<1	13.5	0.4					w					<8	3.8	175.0	53.4	577.4	984.5	5 10
REE 461	Pulp	661	<1	10.1							2 18.3				<8>	2.3	145.4	86.4	904.5	1610.5	5 17
REE 462	Pulp	501	<1	16.7	0.5			Appendix 1 to the second			3 13.8					2.0	138.7	77.5	690.5	1202.0	0 13
REE 463	Pulp	542	4	12.1							3 17.			191.1	<8	3.2	124.7	93.4	1038.0	1823.	2 1
REE 464	Pulp	543	1	25.4							2 23.				12	2 3.2	198.2	71.4	775.1	1343.	6 1
REE 465	Pulp	659) 2								2 22.					3 2.	99.2	106.5	675.8	1199.	3 1
REE 466	Pulp	706	1	32.7							1 25.		~			3 3.6	178.9	29.9	336.	578.	2
REE 467	Pulp	744	<1	10.€			···				1 24.					B 3.	124.6	129.0	1328.3	2358.	3 2
REE 468	Pulp	712	2	55.3							2 25					0 2.4	4 219.	67.	765.	1353.	.2 1
REE 469	Pulp	623	} '	21.							2 32.						337.	3 81.2	2 876.	1521.	.9 1
REE 470	Pulp	826	3	2 7.9	5 0,1					-			9 1304.				0 134.	4 115.0	1193.	2222	4 2
REE 471	Pulp	709	9 <	1 17.5	9 D.	3 3.0) 4.	0 63.	3 144.	0	2 34.	v /.	J 1004.								



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MacGregor, R.A. Client:

28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project:

Report Date:

None Given February 13, 2020

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Page:

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Part: 2 of 2

	Method	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100
	Analyte	LF100 Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.3	0.06	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01
		356.9	50.76	2.27	31.98	3.52	15.47	2.13	4.95	0.60	3.64	0.43
REE 398	Pulp	351.1	49.41	2.55	30.25	3,28	14,64	2.14	4.96	0.61	3.60	0.49
REE 399	Pulp	329.2	46.80	2.03	28.83	3.23	14.12	2.01	4.76	0.61	3.49	0.46
REE 400	Pulp		146.86	7.40	94.62	11.12	49.74	7.31	16.36	2.02	11.71	1.46
REE 401	Pulp	1027.3	129.99	5.79	78.99	9.02	40.41	5.83	13.41	1.66	9.79	1.25
REE 402	Pulp	892.5		5.05	39.54	4.25	18.80	2.22	4.95	0.63	3.88	0.47
REE 403	Pulp	494.6	69.18	2.57	28.12	2.86	11.82	1.61	3.31	0.46	2.76	0.30
REE 404	Pulp	371.9	51.05	5.65	45.94	5.40	23.45	3.36	7.26	0,96	5.25	0.6
REE 405	Pulp	569.8	81.23	5.91	64.20	7.73	35.70	5.61	13.00	1.64	9.50	1.1
REE 406	Pulp	725.3	106.43		99,53	13.03	62.72	9,69	21.81	2.91	16.36	1.9
REE 451	Pulp	1169.6	172.13	8.58	21.41	2,46	10.52	1,55	3.28	0.47	2.78	0.3
REE 452	Pulp	297.9	40.09	2.46	31.04	3.65	15.74	2.37	5.04	0.65	3.79	0.5
REE 453	Pulp	389.1	55.30	2.43		14,01	59,51	8.58	17.80	2.29	12.96	1.6
REE 454	Pulp	1525.0		8,88	120.00	7.31	32.13	4.53	9.33	1.23	6.93	0.8
REE 455	Pulp	770.8	111.75	4.84	60.41	· - · · · · · · · · · · ·	38.48	5,22	10.47	1.32		
REE 456	Pulp	1103.4		7.08	84,40	9.21		1.87	4.17	0.54		
REE 457	Pulp	331.3	and the second of		24.25	2.90	12.52	2.37	4.76			
REE 458	Pulp	482.4	67.17	3.32	35.55	3.98	16.32	2.07	4.28			
REE 459	Pulp	454.8	62.97		33.21	3.66	15.21		4.71	0.59		
REE 460	Pulp	421.0	58.34		31.20	3.44	14.80	2.13				
REE 461	Pulp	333.9		a security of the	24.36	2.83	12.14	1.86				
REE 462	Pulp	554.1	77.98	3,73			20.71	3.10				
REE 463	Pulp	414,1	59.14	2.59			18.55					
REE 464	Pulp	620.3	88.43	4.09	48.38	5.59	24.06					
REE 465	Pulp	450.0	62.68	3.32	39,80		18.09					
REE 466	Pulp	396.3	2 59.43	3.21	37.28	5.35	27.32					
والمروان والمراجعته والمسترين والمراجعت والمراجعت والمراجعة	Pulp	193.	9 27.03	3 1.37	14.67	1.69						
REE 467	Pulp	792.	3 112.28	3 5.62	64.78	7.33	32.80					
REE 468	Pulp	453.			35.95	4,13	17.95		AF-48-7,1411			
REE 469	Pulp	524.			2 43.24	5.03	22.20	3.3				
REE 470	Pulp		8 104.7			6.74	29.7	1 4.30	9.4	8 1.2	6 7.0	7 0

This 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.



www.bureauveritas.com/um

Client:

MacGregor, R.A. 28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project:

None Given

Report Date:

February 13, 2020

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Page:

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1 of 2

	Method	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100											
	Analyte	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	٧	W	Zr	Y	La	Ce	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppn											
	MDL	1.1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.0
REE 472	Pulp	676	<1	16.1	8.0	6.9	5.5	60.3	164.9	2	20.3	8.0	575.0	101.5	<8	1.6	187.1	55.8	556,4	971.5	
REE 473	Pulp	681	<1	8.2	1.0	9.9	8.4	59.6	213.1	3	23.2	7.1	484.4	93.1	8	1.0	230.6	58.8	505.2	853.7	93.3
REE 474	Pulp	751	<1	6.8	0.5	5.2	3.0	24.9	145.7	<1	24.9	3.0	608.0	134.1	11	8,0	105.3	60.1	623.4	1073.0	114.1
REE 475	Pulp	884	1	11,8	0.6	6.7	3.1	22.2	158.3	<1	25.4	3.0	338.8	101.1	14	1.5	107.1	35.6	435.5	765.9	82.5
REE 476	Pulp	665	2	9.4	0.4	3.0	5.7	70.7	142.8	2	28.3	8.6	927.2	181.8	17	2.3	202.3			2012.6	
REE 477	Pulo	831	2	4.2	0.2	3.6	5.3	47.9	152.4	<1	28.2	5.5	479.5	79.6	<8	2.2	190.7	40.0	534.8	926.3	
REE 478	Pulp	646	2	8.5	0.5	4,7	3.6	33.5	153.9	1	30.8	4.1	450.3	65.8	13	1.5	129.9	46.5		1095.3	
REE 479	Pulp	697	<1	10.1	0,6	5.2	3.7	41.0	166.3	1	29.1	4.9	655.5	154.1	12	1.2	134.3	69.1	692.6	1248.8	
REE 480	Pulp	727	<1	12.5	0.5	3.8	3.5	42.4	155.9	<1	28.8	5.3	744.7	142.6	9	1.2	120.4	78.2		1579.8	
REE 481	Pulp	619	1	2.9	0.8	11.0	7.6	60.7	184.6	3	20.0	7.4	475.0	66.6	13	1.1	273.0	55.0	519.7	905.7	
REE 482	Pulp	639	<1	10.9	0.5	5.8	3.2	37.1	161.8	1	21.4	4.7	545.9	177.9	9	1.5	108.2	64.2		1080.3	
REE 483	Pulp	799	<1	5.7	0.7	9,4	5.7	65.1	211.6		24.5	8.2	712.1	101,3	12	2.3	203.4	70.7		1368.3	
REE 484	Pulp	609	<1	14.5	1.0	15.9	4.0	40.7	206.8	4	15.9	5.3	· · · ·	271.8	26	2.1	152.9	83.2	482.8	845.2	
REE 485	Pulp	665	<1	11.9	0.8	10.0	3.8	35.2	182.8	2	16.8	4.2	330.8	147.7	15	1.0	132.0	45.6	326.4	567.4	
REE 486	Pulo	663	<1	19.0	0.7	6.7	10.9	109.5	168.8	3	31.9	13.1	1789.9	302.3	12	1.9	395.3		1701.9	····	
REE 487	Pulp	353	1	43.8	0.4	2.2	5.6	109.9	94,4	2	24.6	13.7	2107.3	429.7	12	2.5		190.7		3655.4	
REE 488	Pulp	711	1	10.8	1.3	8.0	10.7	35.5	134.3	1	34.2	4.3		92.3	22	1.8	378.9	67.2	526.6		102.1
REE 489	Pulp	634	2	15.7	0.5	4.7	4.6	75.9	131.2	2	28.7	10.0	······································	246.9	10	2.6			1096.9		
REE 490	Pulp	612	3	14.7	0.7	4.6	8.1	73.7	142.8	2	23.9	8.8		187.1	12	1.5			1154.1		
REE 491	Pulp	629	1	8,5	0.5	4.5	4.5	44.9	139.5	<1	24.4	5.4	659.7	112.1	<8	1.4	159.8	68.9	706.9	1272.1	135.2



BUREAU MINERAL LABORATORIES
VERITAS RAMONES

www.bureauveritas.com/um

Project:

Client:

None Given

Report Date:

MacGregor, R.A. 28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

February 13, 2020

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Page:

4 of 4

Part: 2 of 2

CERTIFICATE OF ANALYSIS.

VAN20000236.1

	Method	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100
	Analyte	Nd	Sm	Eu	Gd	Tb	Dv	Ho	Er	Tm	Yb	Lu
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	mqq	ppm	ppm	ppm
	MDL	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01
REE 472	Pulp	330.2	46.69	2.24	26.44	3.05	13.59	2.06	4.39	0.63	3.53	0.48
REE 473	Pulp	296.2	41.86	1.77	24.37	2.95	13.70	2.13	4.80	0.67	4,08	0.55
REE 474	Pulp	363.9	50.29	2.24	29.48	3.26	14.02	2.11	4.68	0.58	3.34	0.42
REE 475	Pulp	265.0	37.68	2.19	20.06	2.19	9.34	1.26	2.78	0.38	2.29	0.29
REE 476	Pulp	692.7	94.85	5.78	53.84	5.71	23.77	3.37	7.50	0.97	5.81	0.75
REE 477	Pulp	326.9	44.32	3.29	24.13	2.58	10.56	1.55	3.39	0.46	2.74	0.38
REE 478	Pulp	352.9	49,48	2.27	26.62	2.78	11.36	1.48	3.04	0.42	2.64	0.34
REE 479	Pulp	420.3	58.88	3.00	35.35	4.02	17,85	2.55	5.67	0.73	4.23	0.55
REE 480	Pulp	529.2	75.57	3.77	45.38	5.14	21.79	3.19	6.72	0.85	4.90	0.61
REE 481	Pulp	298.4	42.17	1.53	24.42	2.83	12.68	1.83	4.30	0.58	3.44	0.49
REE 482	Pulp	360.4	52.42	2.51	32.44	3.84	17.71	2,59	5.80	0.75	4.52	0.67
REE 483	Pulp	461.5	64.93	2.89	37.77	4.02	17.23	2.52	5.45	0.71	4.34	0.58
REE 484	Pulp	288.5	42.70	2.04	28.40	3.60	18.37	2.96	7,48	1.00	5.85	0.79
REE 485	Pulp	190.3	27.27	1.45	17.51	2.26	10.91	1.73	4.02	0.52	3.12	0.42
REE 486	Pulp	995.4	140.33	8.34	85.82	9.05	39.35	5.33	12.14	1.51	9.01	1 14
REE 487	Pulp	1178.8	171.66	7.81	108.36	11.90	51.58	7.18	16.52	2.04	11.84	1.47
REE 488	Pulp	319.6	46.57	2.51	27.47	3,34	15,59	2.47	5.63	0.74	4.24	0.60
REE 489	Pulp	674.1	98.41	4.89	58.53	6.68	29.80	4.25	9.52	1.22	7.10	0.92
REE 490	Pulp	660.3	96.99	4.03	60.03	6.72	28.55	4.09	8.64	1.12	6.71	0.87
REE 491	Pulp	421.7	59.86	2.58	35.73	4.09	17.31	2.45	5. 36	0.71	4.01	0.53



EUREAU MINERA: LABORATORIES

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd. 9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada PHONE (604) 253-3158

Client:

MacGregor, R.A.

28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Submitted By:

R.A. MacGregor

Receiving Lab: Received:

Ceneda-Vancouver

January 24, 2020

Analysis Start: Report Date:

January 29, 2020 February 04, 2020

Page:

1 of 4

ADDITIONAL COMMENTS

CLIENT JOB INFORMATION

Project:

None Given

Shipment ID:

P.O. Number

Number of Samples:

78

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SLBHP	78	Sorting, labeling and boxing samples received as pulps			VAN
AQ115-IGN	78	lanite samples, acid digest. Au by ICP-MS	15	Completed	V/AN

SAMPLE DISPOSAL

IMM-PLP

Return immediately after analysis

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

Invoice To:

MacGregor, R.A.

28 Ford St.

Sault Ste. Marie Ontario P6A 4N4

Canada

CC:

This 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. All results are considered the confidential property of the client. Bureau Veritas 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.



Bureau Veritas Commodities Canada Ltd.

PHONE (604) 253-3158

www.bureauveritas.com/um

Client: MacGregor, R.A.

28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project:

None Given

Report Date:

February 04, 2020

Page:

2 of 4

1 of 1

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

Method AQ115

	Analyte Unit	Au ppb
	MDL	0.6
A 384	Pulp	5.2
A 385	Pulp	3.8
A 386	Pulp	2.7
A 387	Pulp	1.4
A 388	Pulp	25.5
A 389	Pulp	0.6
A 390	Pulp	2.8
A 391	Pulp	2.0
A 392	Pulp	2.0
A 393	Pulp	4.1
A 394	Pulp	1.2
A 395	Pulp	0.6
A 396	Pulp	0.5
A 397	Pulp	2.0
A 398	Pulp	2.6
A 399	Pulp	1.9
A 400	Pulp	1.8
A 401	Pulp	2.8
A 402	Pulp	2.6
A 403	Pulp	2.5
A 404	Pulp	<0.5
A 405	Pulp	0.9
A 408	Pulp	0.6
A 407	Pulp	<0.5
A 408	Pulp	0.7
A 409	Pulp	0.8
A 410	Pulp	2.4
A 411	Pulp	1.6
A 412	Pulp	8.4
A 413	Pulp	3.2



MINERAL LABORATORIES

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd. 9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada PHONE (604) 253-3158 Client:

MacGregor, R.A.

28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Submitted By: Receiving Lab: R.A. MacGregor

Received:

Canada-Vancouver

Keceived:

June 18, 2019

Report Date:

June 21, 2019

Page:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Code Description

4 Acid digestion ICP-MS analysis

1 of 5

Sorting, labeling and boxing samples received as pulps

Environmental disposal fee - Multi-acid neutralization

CERTIFICATE OF ANALYSIS

Test

0.25

Wgt (g)

Report

Status

Completed

Lab

VAN

VAN

VAN

CLIENT JOB INFORMATION

Project:

None Given

Shipment ID:

P.O. Number

Number of Samples:

107

SAMPLE DISPOSAL

IMM-PLP

Return immediately after analysis

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

Invoice To:

MacGregor, R.A.

28 Ford St.

Sault Ste. Marie Ontario P6A 4N4

Canada

ADDITIONAL COMMENTS

Procedure

Code

SLBHP

MA200

EN001-MA

Number of

Samples

107

107

107

GEORGE ARCALA

CC:



IMA2961

IMA2962

IMA2963

Pulp

Pulp

Pulp

3.4

3.3

6.3

22.9

31.6

MINERAL LABORATORIES

www.bureauveritas.com/um

MacGregor, R.A. 28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project: Report Date:

Client:

None Given June 21, 2019

Bureau Veritas Commodities Canada Ltd

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada PHONE (604) 253-3158

Page:

3 of 5

Part: 1 of 3

CERTIFICATIE OF ANALYSIS VAN GRIDZER Method MA200 MA200 MA200 MA200 MA200 MA200 MA200 MA 200 MA 200 MA 200 MA200 MA200 MA 200 MA 200 MA200 MA200 MA200 MA200 MA200 MA200 Analyte Мо Cu Zn Pb Ag Co Mn Fe Th 3r Cd Sb C. Unit ppm ppm DDM ppm pom maa ppm ppm pom ppm ppm ppm ppm mag maa ppm % ppm MDL 0.1 0.1 0.1 0.1 0.1 0.2 0.01 0.1 0.1 0.1 0.1 0.1 0.01 0.001 0.1 IMA2934 Pulp 6.8 53.5 305.2 55 0.5 16.1 13.8 41 0.97 9 182.4 1011.3 26 0.6 0.2 1.7 13 0.10 0.088 1002 IMA2935 Pulp 1.3 7.5 20.6 а 0.1 6.7 3.8 35 0.53 47.9 23 < 0.1 0.1 0.1 0.03 0.007 66. IMA2936 Pulp 2.6 25.5 29.7 28 0.1 7.4 12.8 50 0.91 44.9 236.6 22 <0.1 0.2 0.3 19 0.06 0.037 420. IMA2937 Pulp 2.3 17.9 93 82.8 0.2 9.8 9.8 44 0.63 12 48.4 285.0 10 0.6 < 0.1 0.8 10 0.030 0.08 267.. IMA2938 Pulp 1.9 23.0 227.5 58 0.2 9.4 11.0 55 0.68 g 38.2 183.2 21 0.8 0.1 0.3 10 0.14 0.022 239 IMA2939 Pulp 1.9 13.4 220 9.7 55 41.5 0.2 6,8 0.74 21.3 129.9 18 < 0.1 0.4 14 0.08 0,018 169. IMA2940 Pulp 1.5 126 7.5 124.0 0.1 5.3 5,9 19 22 0.34 4 35.2 192.2 0.7 < 0.1 0.1 0.04 0.022 292.9 IMA2941 Pulp 3.4 115 11.7 114.7 0.1 7.0 59 0.85 2 8.1 41.2 266.3 26 0.9 0.1 0.2 0.10 0.030 322. IMA2942 Pulo 3.6 6.5 121.3 191 0.1 5.3 42 4.8 0.55 38.2 181.5 23 0.9 < 0.1 <0.1 11 80.0 0.024 217. IMA2943 Pulp 1.8 10.2 102.3 145 < 0.1 5.5 5.8 42 0.66 25.2 178.0 25 0.8 < 0.1 11 0.3 0.05 0.021 239.8 IMA2944 Pulp 3.3 11.1 152.1 128 < 0.1 6.9 4.9 52 0.58 360.8 28 0.6 0.1 0.2 11 0.12 0.044 449.4 IMA2945 Pulp 3.1 20.2 75.2 0.1 9.7 9.3 80 0.88 3 432.5 32 < 0.1 < 0.1 0.3 15 0.19 0.058 655. IMA2946 Pulp 4.6 34.4 133.7 0.1 12.7 11.3 72 1.08 160.5 636.0 30 0.1 0.3 0.3 14 0.15 0.070 740. IMA2947 Puip 6.4 39.2 93.1 0.2 14.8 14.6 69 1.15 < 1 156.2 767.7 33 0.2 0.3 12 0.4 0.078 995.6 0.14IMA2948 Puip 3.6 5.6 40.3 6.7 3.2 33 0.51 69.5 473.8 23 <0.1 0.2 0.3 15 0.05 0.058 529.2 IMA2949 Pulp 8.7 21.1 277.8 185 0.3 7.1 12.1 37 0.71 6 177.4 527.6 23 1.1 0.1 0.8 10 0.08 0.056 646.5 IMA2950 Pulp 5.4 6.2 31.4 0.1 4.8 57 4.4 0.57 3 53.1 380.0 27 <0.1 0.1 0.2 18 0.14 0.048 388.4 IMA2951 Pulp 2.5 7.2 20.4 0.1 3.5 3.4 35 0.42 15.1 87.2 20 <0.1 < 0.1 0.1 11 0.07 0.014 172.6 IMA2952 Pulp 5.6 12.0 119.8 48 0.2 6.9 6.0 47 0.61 2 97.9 693.3 26 0.4 0.1 0.3 15 0.11 0.082 802. IMA2953 Pulp 5.5 394.9 221.5 35 0.3 21.9 15.6 83 1.42 263.6 494.2 18 0.5 0.2 1.2 13 0.19 0.055 499. IMA2954 Pulo 2.1 3.8 13.9 θ < 0.1 4.8 3.7 17 0.39 3 23.2 176.8 12 <0.1 < 0.1 0.1 10 0.01 0.026 240.4 IMA2955 Pulp 1.7 4.5 19.6 0.1 5.3 2.9 22 0.46 25.2 147.9 19 <0.1 < 0.1 0.1 10 0.03 0.018 164. IMA2956 Pulo 3.7 16.1 24.6 5 0.15.3 7.2 30 28.9 0.45 વ 215.0 20 0.1 < 0.1 0.2 11 0.04 0.026 213.6 IMA2957 Pulp 5.5 17 23.4 72.9 0.2 6.7 15.6 33 0.62 10 173.5 363.9 19 0.2 0.1 0.6 15 0.040.038 385.3 IMA2958 Pulp 4.2 20.9 109.7 19 0.2 6.7 3.6 84 0,66 109.5 611.1 25 0.2 < 0.1 0.3 17 0.15 0.063 564. IMA2959 Pulp 4.7 8.7 59. 0.2 6.2 44 50 0.57 3 85.0 487.4 26 0.1 0.1 17 0.6 0.10 0.053 536.1 IMA2960 Pulp 3.7 15.1 245.9 27 0.1 5.9 5.4 31 0.55 30.0 171.6 20 0.3 < 0.1 0.2 12 0.05 0.021 182.

24

106

24

0.55

0.91

0.52

90.7

721.1

2498.3

117.9

716,0

13

19

25

33

1.0

< 0.1

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0.14

0.02

16

15

0.012

0.076

0.230

105.3

691.

>2000

0.2

< 0.1

0.3

5.3

8.3

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197

436.8

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IMA2962

IMA2963

Pulp

Pulp

104

0.13

0.09

842

653

MINERALLABORATORIES

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Client:

MacGregor, R.A.

28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

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3

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4.4

9.9

0.2

0.1

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Project:

Report Date:

None Given June 21, 2019

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St. Vancouver British Columbia V6P 6E5 Canada PHONE (604) 253-3158

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Part: ERTIFICATE OF ANALYSIS Method MA200 MA200 MA200 MA 200 MA 200 MA200 MA200 MA200 MA200 MA 200 MA200 MA 200 MA200 MARON MA200 Anaivte Cr Μg Na Zr Ba TI Ce Sn Rb Ta Ba Sc Unit ppm mag ppm ppm maa maa pam ppm maa ppm nnm ppm ppm ppm MD 0.01 0.0010.01 0.001 0.01 0.1 1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 IMA2934 Pulp 123 0.15 520 0.299 2.49 0.038 2.88 1.6 226.5 1832 33.2 3.7 3.5 0.4 111.7 8.4 1.0 80.6 <1 IMA2935 Pulp 80 0.11 843 0.050 3.51 0.057 4.42 0.2 76.6 125 0.6 5.8 5.1 0.5 <1 1.7 < 0.1 161.5 IMA2936 Pulp 103 0.20 912 0.122 4.50 0.055 4.80 0.6 117.2 720 3.0 29.0 13.5 1.4 2 3 7.2 244.5 0.1 3.4 IMA2937 Pulp 91 0.14 610 0.113 2.85 0.042 3.51 1.0 117.3 468 0.7 23.9 10.7 1.1 2 2.1 0.1 123.2 IMA2938 Pulp 89 0.16 700 0.109 3.17 0.047 3.92 1.2 101.6 416 0.7 17.8 10.8 1.1 <1 2 2.6 0.1 143.5 2.8 IMA2939 Pulp 119 0.17 690 0.090 3.28 0.054 3.85 0.9 128.8 301 0.7 12.8 8.1 0.8 2.7 143.3 3.7 IMA2940 Pulp 62 0.08 700 0.081 76.1 533 8.0 3.19 0.051 3.51 0.3 1.0 18.3 0.9 <1 2.7 <0.1 121.7 IMA2941 Puip 87 0.13 745 0.213 3.39 0.057 3.23 0.5 127.0 616 1.1 28.0 20.2 2.2 4.6 0.1 138.5 3.5 IMA2942 Pulp 74 0.10 0.055 712 0.111 3,22 3,60 0.3 98.5 404 0.9 11.0 4.2 17.6 1.1 < 0.1 150.3 IMA2943 Pulp 129 0.10 773 0.163 3.46 0.080 3.43 0.5 104.4 428 0.9 19.0 18.0 1.6 <1 4.1 <0.1 146.8 IMA2944 Pulp 95 0.08 685 0.175 3.00 0.063 0.4 846 17.2 3.3 3.19 109.9 0.9 34.0 1.8 2.6 0.1 131.3 IMA2945 Pulp 117 0.12 710 0.177 3.34 0.126 3.91 0.6 107.6 1231 17.8 2.0 2 3.9 160.2 1.2 36.9 0.2 3.4 IMA2946 Pulp 97 0.12 784 0.198 3.38 0.061 3.95 121.1 24.8 3.2 0.8 1391 2 6,1 187.4 3 4 IMA2947 Pulo 115 0.11 825 0.213 3.47 0.077 3.76 8.0 121.8 1780 1.0 72.9 29.6 3.3 1 5.3 152.1 0.5 IMA2948 Pulp 91 0.15 688 0.247 4.94 0.198 3.30 0.6 259.8 1028 2.8 47.7 21.9 2.6 2 4.9 < 0.1 182.6 IMA2949 Pulp 95 0.09 693 0.146 3.42 0.055 3.53 0.9 98.9 223 1.2 20.5 2.1 <1 3 5.3 182.2 54.9 0.2 IMA2950 Pulp 83 0.18 1117 0.2275.03 0.074 5.05 0.9 181.5 732 2.8 35.7 24.3 2 6.3 < 0.1 254.2 5.4 IMA2951 Pulp 59 0.09 955 0.104 4.29 0.064 109.1 299 9.7 1 3.85 0.6 1.4 9.3 1.0 3.3 < 0.1 168.6 IMA2952 Pulp 77 0.14 956 0.268 4.23 0.127 1.2 1470 57.7 2 4.24 196.3 2.5 31.0 3.4 6.3 0.1 208.5 6.0 IMA2953 Pulp 102 0.23 585 0.177 0.048 4.29 1.7 21.7 2.9 2 3 4.46 141.9 899 4.0 62.5 10.0 0.9 227.9 IMA2954 Pulp 89 0.09 534 0.218 3.47 0.037 3.38 1.6 126.9 440 1.7 19.1 19.0 1.8 1 3.7 < 0.1 164.3 3.5 IMA2955 66 Pulp 0.13 932 0.113 4.94 0.066 4.39 0.6 113.4 306 2.1 14.6 10.4 2 4.4 < 0.1 212.8 IMA2956 Pulp 82 0.08 910 0.108 4.22 0.061 3.85 0.4 112.0 388 1.4 18.4 10.7 1.2 <1 3.5 <0.1 176.7 IMA2957 Pulo 89 855 0.053 0.11 0.157 4.10 3.77 0.7 142,4 702 1.8 35.2 17.5 2.1 2 0.2 198.7 3.8 IMA2958 Pulp 143 0.10 920 0.235 3.71 0.069 4.21 2 1.4 177.4 1045 1.7 45.2 28.4 2.9 3 4.1 < 0.1 178.2 5.1 IMA2959 Pulp 84 0.17 1013 0.280 5.38 0.100 4.30 0.9 307.9 975 3.2 46.3 25.7 2.8 3 3 < 0.1 220.5 9.0 IMA2960 Pulp 79 0.14 0.085 12.6 874 0.163 4.81 4.36 0.6 193.4 320 2.8 16.7 1.4 2 5.6 < 0.1 5.8 215.1 IMA2961 Pulp 94 0.11 837 0.087 0.052 2 4.05 4.08 0.5 117.5 195 2.1 9.1 6.9 0.7 2 3.5 0.1 189.5 3.4

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Project:

Client:

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28 Ford St.

Report Date:

June 21, 2019

MacGregor, R.A.

Sault Ste. Marie Ontario P6A 4N4 Canada

Page:

3 of 5

3 of 3

	Method	MA200		MA200	MA200	MA200
	Analyte	In	Re	Se	Te	TI
	Unit	ppm	ppm	ppm	ppm	ppm
	MDL	0.06	0.006	1	0.5	0.6
	ilb	<0.05	<0.005	<1	<0.5	0.6
	ıΙp	<0,05	<0.005		<0.5	0.8
	ıļb	<0.05	<0.005	<1	<0.5	1,1
	JID QIL	<0.05	<0.005	<1	<0.5	0.7
	ılp	<0.05	<0.005	<1	<0.5	0.7
and the second s	ılp	<0.05	<0.005	<1	<0.5	0.7
	ılb	<0.05	<0.005	<1	<0.5	0.6
entroperature and the second of the second o	ılp.	<0,05	<0.005	<1	<0.5	1.0
	ılp	<0.05	<0.005	<1	<0.5	0.8
	ılp	<0.05	<0.005	<1	<0.5	0.9
CANADA AND THE CONTRACT OF THE	ηb	<0.05	<0.005	<1	<0.5	0.8
	ηb	<0.05	<0.006	<1	<0.5	0,8
The state of the s	μþ	<0.05	<0.005	<1	<0.5	1.0
1MA2947 Pt	ıjb	<0.05	<0.005	2	<0.5	1.1
	ılp	0.06	<0.005	<1	<0.5	0.8
	ılp	<0.05	<0.005	2	<0.5	0.9
	alp	<0.05	<0.005	<1	<0.5	1.3
	J ip	<0.05	<0.005	<1	<0.5	1.0
IMA2952 Pt	ηb	<0.05	<0.005	<1	<0.5	1.1
IMA2953 Pt	ulp	<0.05	<0.005	1	<0.5	0.9
IMA2954 PI	ulp	<0.05	<0.005	<1	<0.5	0.7
IMA2955 Pi	nlb	<0.05	<0.005	<1	<0.5	1.0
IMA2956 Pi	ulp	<0.05	<0.005	<1	<0.5	1.0
	ulp	<0.05	<0.005	<1	<0.5	1.0
IMA2958 Pi	иlр	<0.05	<0.005	<1	<0.5	1.0
IMA2959 Pi	ulp	0.05	<0.005	<1	<0.5	1.1
IMA2960 Pi	ılp	<0.05	<0.005	<1	<0.5	0.9
IMA2961 Pi	ulp	<0.05	<0.005	<1	<0.5	0.9
IMA2962 Pi	ulp	<0.05	<0.005	2	<0.5	1.0
IMA2963 P	ulp	<0.05	<0.005	3	<0.5	0.9

This 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



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VERITAS 19805

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Client:

MacGregor, R.A. 28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project:

None Given

Report Date:

June 21, 2019

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada PHONE (604) 253-3158

Page:

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Part: 1 of 3

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	CATES		/41.3									1					V/	1.1				
		Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Analyte	Мо	Cu	Pb	Zn	Ag	NI	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	v	Ca	Р	L
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	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	0.1
IMA2964	Pulp		3.1	28.5	111.0	8	0.2	33.4	7.4	43	0,61	2	148.7	681.3	27	0,2	0.1	0.3	15	0.10	0.081	755.0
IMA2965	Pulp		1.3	4.8	17.3	2	<0.1	9.3	1.4	18	0.25	<1	21.6	100.5	32	0.1	<0.1	<0.1	6	0.02	0.011	106.3
IMA2966	Pulp		2.8	63.2	179.1	25	0.2	8,0	16.1	158	1.28	10	128.6	814.2	25	0,3	0.2	0.4	17	0.08	0.088	992.
IMA2967	Pulp		7.3	46.9	1148.2	65	0.6	20.7	60.7	75	1.13	39	1313.1	>4000	50	0.4	0,1	2.3	6	0.31	0.570	>2001
IMA2968	Pulp		3.3	40.4	88.4	39	0.2	19.4	12.1	204	1.80	1	107.1	497.5	39	0.5	<0.1	0.5	35	0.21	0.069	608.2
IMA2969	Pulp	V	8.0	30.3	85,9	9	0.1	8.5	13.5	40	0.68	3	137.2	818.3	28	0.2	<0.1	0.4	15	0.08	0.100	994.9
IMA2970	Pulp		8.7	43.4	180.9	49	0.1	9.4	11.4	51	0.78	1	140.1	818.3	27	0.3	<0.1	0.3	14	0.11	0.106	980.7
IMA2971	Pulp		4.9	20.5	95.2	21	<0.1	5,9	6.8	49	0.81	1	80.2	381.7	27	0.3	<0.1	0.6	15	0.13	0.048	467.9
IMA2972	Pulp	***************************************	6.8	27.8	188.6	38	0.1	8.6	12.2	36	0.61	4	141.4	783.3	29	0.5	0.1	0.4	12	0.09	0.087	883.8
IMA2973	Pulp		3.4	73.0	179.8	10	0.2	10.1	15.1	52	0.98	3	199.2	1071.1	33	0,2	0.1	0.4	14	0.08	0.126	1289.
IMA2974	Pulp		2.4	127.9	115.7	123	0.2	12.3	5.8	172	0.74	2	48.2	284.9	58	0.8	0.1	0.4	15	0.58	0.032	323.9
IMA2975	Pulp	~~~	1.2	4.8	9.1	3	<0.1	5.8	0.9	18	0.25	<1	6,6	27.5	24	<0.1	<0.1	<0.1	5	0.02	0.005	37.1
IMA2976	Pulp		2.3	18.7	187.7	8	<0.1	12.7	6.1	104	0,75	4	82.8	521,1	27	<0.1	<0.1	0.2	11	0.16	0.062	432.9
IMA2977	Pulp		2.6	12.7	69.4	8	<0.1	8.7	8.4	117	0.87	6	94.1	536.3	26	0.2	0.1	0.1	14	0.14	0,055	609.7
IMA2978	Pulp		2.7	19.1	444.4	142	0.1	9.4	13.4	110	0.87	8	83.8	418.2	27	0.6	0.2	0.2	13	0.21	0.049	410.
IMA2979	Pulp		2.8	16.7	26.8	4	0.1	8.1	9.0	91	0.71	7	41.7	287.2	25	<0.1	0.2	0.1	12	0.15	0.032	323.
IMA2980	Pulp		8.3	19.0	36,8	3	<0.1	7,7	8.1	93	0.80	6	90.1	445.2	25	<0.1	<0.1	0.2	15	0.12	0.047	522
IMA2981	Pulp		5.2	17.5	173.0	3	<0.1	8,4	10.8	110	0.96	2	170.3	969.6	31	<0.1	0.1	0.5	19	0.24	0.100	1167.3
IMA2982	Pulp		4.6	8.1	109.7	4	≺ 0.1	7.1	7.9	95	0.68	4	112.2	845.9	29	<0.1	<0.1	0.2	13	0.19	0.068	558.7
IMA2983	Pulp		5.9	9.6	106.7	13	<0.1	5.9	4.5	72	0.65	1	76.5	476.1	30	<0.1	<0.1	0.2	10	0.15	0.055	660
IMA2984	Pulp		2.1	12.0	127.5	20	<0.1	12.3	5.3	59	0.52	2	71.3	252.0	22	0.1	<0.1	0.2	10	0.11	0.028	268.6
IMA2985	Pulp		5.4	6.8	34.1	6	<0.1	6.7	4.2	30	0.52	2	82.8	451.8	21	<0.1	0.2	<0.1	13	0.06	0.043	394.6
IMA2986	Pulp		5.0	6.9	31.1	2	<0.1	7.1	5.1	35	0.44	5	65.8	407.5	20	<0.1	0.2	0.2	10	0.06	0.045	447.4
IMA2987	Pulp		3.4	5.9	27.3	10	<0.1	5.3	3.0	64	0.61	<1	37.9	255.6	25	<0.1	<0.1	<0.1	10	0.15	0.033	289.6
IMA2988	Pulp	Committee of the commit	4.8	32.6	190.5	58	0.1	13,6	11.6	60	0.64	3	100.5	520.3	26	0.2	0.1	0.1	11	0.13	0.054	580.2
IMA2989	Pulp		4.2	32.0	288.2	107	0.4	35.1	12.8	73	0.89	2	102.8	346.3	27	0.7	0.1	1.0	13	0.16	0.037	435.7
IMA2990	Pulp		4.3	30.7	175.3	55	<0.1	17.2	7.5	61	0.70	<1	128.1	664.4	26	0.2	<0.1	<0.1	13	0.14	0.063	661.9
IMA2991	Pulp		2.1	12.9	45.8	27	<0.1	15.0	4.3	43	0.43	1	16.9	74.8	24	<0.1	<0.1	<0.1	8	0.09	0.011	126.7
IMA2992	Pulp		4.0	4.5	26.3	12	<0.1	6.1	5.3	36	0.66	4	49.9	290.1	20	<0.1	<0.1	<0.1	15	0.05	0.031	292.6
IMA2993	Pulp		4.2	22.4	84.9	43	<0.1	22.4	9.2	67	0.56	<u>.</u>	44.0	214.3	25	<0.1	<0.1	<0.1	8	0.15	0.024	288.8
											4.00		77.0	£ 1-4.0		-0,1	~Q. I	- V. I	0	V. 10	0.024	400.



EUR FAU MINERAL LABORATORIES

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Client:

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Sault Ste. Marie Ontario P6A 4N4 Canada

Project:

Report Date:

None Given June 21, 2019

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		FAI															Ŋ,			4.5.0		
		Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA2
		Analyte	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	\$n	Y	Nb	Ta	Be	Sc	LI	s	Rb	ı
		Unkt	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	mqq	%	ppm	ı p
		MDL	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	
IMA2964	Pulp		84	0.11	948	0.205	3.79	0.109	4.25	1.0	223.1	1445	2.0	53.9	22.0	2.5	<1	3	5.3	0.2	176.1	
IMA2965	Pulp		92	0.02	116	0.031	1.94	0.261	0.83	0.2	51.6	192	0.4	8.2	3.3	0.3	<1	<1	0.9	<0.1	32.1	
IMA2966	Pulp		118	0.12	679	0.354	3.03	0.042	3.44	1.8	224.5	1796	1.7	73.8	43.9	5.0	<1	3	3.2	0.2	149.7	
IMA2967	Pulp		106	0.18	587	0.273	3,45	0.044	2.79	1,4	215.9	>2000	1.3	498.2	27.2	2.8	4	5	11.8	0.4	130.B	
IMA2968	Pulp		169	0,34	864	0.346	4.18	0.743	3.52	1.1	369.3	1152	1.5	48.3	27.B	3.1	1	4	9,9	<0.1	156.9	1
IMA2969	Pulp		77	0.15	955	0.232	4.98	0.176	4.47	0.9	236.2	1811	2.9	65.4	24.9	2.9	2	4	6.3	0.2	216.3	
IMA2970	Pulp		104	0.12	930	0.290	4.25	0.087	4.31	1.3	258.8	1812	2.4	61.3	32.2	3.8	1	3	5,2	0.2	194.8	
IMA2971	Pulp		88	0.13	991	0.210	4.49	0.082	4.85	0.9	191.8	858	2.0	35.9	21.8	2.3	1	3	5.2	<0.1	213.0	
IMA2972	Pulp		98	0.09	884	0.188	3.60	0.085	3.66	0.9	168.8	1639	1.4	56.2	24.6	2.4	<1	3	4.4	0.1	151.7	
MA2973	Pulp		117	0.09	778	0.383	3.36	0.139	3.24	1.6	217.9	>2000	1.6	80.8	43.6	4,9	<1	2	3.8	0.2	135,4	
MA2974	Pulp		105	0.20	954	0.143	3.76	0.372	3.32	0.4	105.7	578	0.9	23.6	15.7	1.8	<1	3	3.5	<0.1	132.8	
MA2975	Pulp	-/	98	0.01	103	0.019	1.61	0.222	0.68	<0.1	35.9	71	0.2	3.2	1.9	0.2	<1	<1	1.0	<0.1	26.9	
IMA2976	Pulp		108	0.12	789	0.197	3,41	0.059	2.48	1.0	146.5	868	1.1	38.5	22.0	2.6		2	3.9	<0.1	116.6	
IMA2977	Pulp		100	0.12	770	0.162	3.58	0.063	2.73	0.7	115.8	1128	1.1	44.9	21.2	2.5	<1	2	4.2	0,1	128.6	
IMA2978	Pulp		121	0.17	824	0.130	3.87	0.080	2.66	2.4	104.2	809	1.2	37.8	15.2	1.7	<1	2	5.4	0.2	136.2	
IMA2979	Pulp		107	0.13	818	0.158	3.64	0.072	2.57	0.5	120.9	621	1.0	26.3	15.8	!:'/ 1.9	<1		4.1	0.1	124.0	
IMA2980	Pulp		95	0.11	812	0.170	3.69	0.070	2.77	0.8	116.3	954	1.0	43.1	20.5	2.3	1	2	4.5	0.1	132.4	
IMA2981	Pulp		117	0.11	718	0.368	3.01	0.058	2,63	1.4	166.9	>2000	1.3	84.5	40.9	4.7	3	5	4.4	0.2	122.7	
IMA2982	Pulo	A	110	0.11	845	0.313	3.37	0.066	2.45	0.5	154.2	1070	1.5	52.0	30.5	3,5	4		4.4	<0.1	129.4	
IMA2983	Pulp		103	0.07	938	0.370	3.52	0.094	2.38	1.3	154.7	1077	0.6	35.9	35.7	4.2	<1		2.5	111111		~~
IMA2984	Pulp		92	0.07	852	0.123	3.56	0.067	3.08	0.4	86.1	481	1,0	24.3	13.3					<0,1	104.5	
IMA2985	Pulp		87	0.14	751	0.329	5.08	0.100	2.61	0.9	235.7	740	2.6	41.1	29.8	1.5 3.4	<1 2		2.7	0.1	147.3	
IMA2986	Pulp		92	0.10	633	0.301	3,98	0.089	2.58	1.0	209.8	841						2	8.6	<0.1	143.5	·
IMA2987	Pulp		85	0.15	722	0.218	4.72	0.260	2.46		·		2.1	37.0	26.8	3.0	1	2	3.4	<0.1	129,7	
MA2988	Pulp		92	0.11	923	0.209	4.12			1.0	174.8	547	2.8	19.3	17.0	1.8	. 2	2	4.9	<0.1	133.7	
MA2989	Pulp		112	0.10	952 952	0.209		0.093	2.54	0.9	139.4	1071	1.7	43.6	23.2	2.7	1	2	4.6	0.1	127.0	
MA2990			89				3.93	0.129	3.59	1.0	99.4	859	0.9	32.0	14.9	1.9	<1	2	4.5	0.3	142.2	
	Pulp		o carri da James	0.10	830	0.168	3.56	0.121	2.93	0.8	89.7	1219	1.2	51.0	20.7	2.6	1		5,0	0.1	119.8	
IMA2991	Pulp		74	0.09	926	0.089	3.90	0,144	2.61	0.5	89.3	241	0.8	8.9	8.2	0.8	<1	1	2.7	<0.1	120.6	
IMA2992	Pulp		102	0.20	751	0.237	5.94	0.067	1.93	0.9	220.6	569	3.5	33.2	18.4	1.9	3	3	5,4	<0.1	130.6	
IMA2993	Pulp		82	0.09	895	0.159	3.63	0.149	2.89	0.7	109.9	530	0.5	21.8	18.1	2.1	<1	1	2.5	0.1	105.3	



MINERAL LABORATORIES

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada PHONE (604) 253-3158

Client:

MacGregor, R.A.

28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project:

None Given

Report Date:

June 21, 2019

Page:

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Part: 3 of 3

	Method	MA200	MA200	MA200	MA200	MA200
	Analyte	In	Re	Se	Te	TI
	Unit	ppm	ppm	ppm	ppm	ppm
	MOL	0.05	0.005	1	0.5	0.5
IMA2964	Puip	<0.05	<0.005	<1	<0.5	1.0
IMA2965	Pulp	<0.05	<0.005	<1	<0.5	<0.5
IMA2966	Pulp	<0.05	<0.005	<1	<0.5	0.8
IMA2967	Pulp	<0.05	0.007	9	0.6	0.6
IMA2968	Pulp	0.05	<0.005	<1	<0.5	0.8
IMA2989	Pulp	<0.05	<0.005	2	<0.5	1.0
IMA2970	Pulp	<0.05	<0.005	1	<0.5	1.0
IMA2971	Pulp	<0.05	<0.005	1	<0.5	1.1
IMA2972	Pulp	<0.05	<0.005	<1	<0.5	0.9
IMA2973	Pulp	<0.05	<0.005	2	<0.5	0.8
IMA2974	Pulp	<0.05	<0.005	<1	<0.5	1.0
IMA2975	Pulp	<0.05	<0.005	2	<0.5	<0.5
IMA2976	Pulp	<0.05	<0.005	<1	<0.5	0.9
IMA2977	Pulp	<0.05	<0.005	<1	<0.5	0.9
IMA2978	Pulp	<0.05	<0.005	<1	<0.5	1.0
IMA2979	Pulp	<0.05	<0.005	<1	<0.5	0.9
IMA2980	Pulp	<0.05	<0.005	<1	<0.5	0.9
IMA2981	Pulp	<0.05	<0.005	<1	<0.5	0.9
IMA2982	Pulp	<0.05	<0.005	<1	<0.5	1.0
IMA2983	Pulp	<0.05	<0.005	1	<0.5	1.0
IMA2984	Pulp	<0.05	<0.005	<1	<0.5	1.0
IMA2985	Pulp	0.07	<0.005	<1	<0.5	0.9
IMA2986	Pulp	<0.05	<0.005	<1	<0.5	0.7
IMA2987	Pulp	<0.05	<0.005	<1	<0.5	0.9
IMA2988	Pulp	<0.05	<0.005	<1	<0.5	1.0
IMA2989	Pulp	<0.05	<0.005	<1	<0.5	1.0
IMA2990	Pulp	<0.05	<0.005	<1	<0.5	0.9
IMA2991	Pulp	<0.05	<0.005	2	<0.5	0.9
IMA2992	Pulp	<0.05	<0.005	<1	<0.5	1.1
IMA2993	Pulp	<0.05	<0.005	1	<0.5	0.7

This 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.



BUREAU MINERAL LABORATORIES
VERITAS (VELIC)

www.bureauveritas.com/um

MacGregor, R.A.

28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project:

Client:

None Given

Report Date:

June 21, 2019

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Page:

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Part:

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GERTIE!	ZATEROEZAK	IALY																9,610	14.51	1.1	
	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA20
	Analyte	Мо	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	u	Th	Sr	Cd	Sb	BI	V	Ca	P	Li
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppn
	MDL	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	0.
IMA2994	Pulp	1.7	18.5	55.4	13	<0.1	11.7	4.9	49	0.56	3	24.5	138.0	24	<0.1	<0.1	<0.1	12	0.09	0.020	204.0
IMA2995	Pulp	5.7	4.6	136.5	245	<0.1	6.3	6.9	59	1.17	6	56.7	342.0	32	1.3	0.1	<0.1	13	0.06	0.037	338.0
IMA2996	Pulp	9.4	8.4	160.5	338	0.1	3.8	2.2	34	0.94	<1	17.4	87.0	17	1.8	0.2	<0.1	11	0.02	0.014	108.1
IMA2997	Pulp	6.2	4.4	188.2	339	0.1	4.1	2.3	38	0.87	2	21,1	126.5	16	1.8	<0.1	<0.1	12	0.03	0.017	129.
IMA2998	Pulp	2.8	3.9	119.3	242	0.1	4.5	2.2	40	0.98	1	21.9	118.8	13	1.4	0.1	<0.1	13	0.02	0.016	143.9
IMA2999	Pulp	3,4	2,5	118.2	190	≺ 0.1	5.6	2.6	65	1,37	9	29.0	134.9	12	0.9	<0.1	<0.1	14	0.02	0.016	124.7
IMA3000	Pulp	9.0	3.6	108.7	207	<0.1	5.3	4.0	96	1.80	21	17,3	96.9	7	1.8	0.1	<0.1	10	0.04	0.012	113.0
IMA3001	Pulp	12.1	5.3	177.7	299	<0.1	9.5	7.7	129	2.27	14	101.9	396.0	6	1.4	0.1	<0.1	11	0.04	0.038	412.8
IMA3002	Pulp	3.3	1,5	17.0	30	<0.1	4.1	2.1	33	0.58	2	27.9	133.6	91	<0.1	<0.1	<0.1	12	0.06	0.014	125.
IMA3003	Pulp	4.6	44.1	232.9	85	0.1	40.2	9.8	61	1.07	<1	186.6	1007.3	27	0.2	<0.1	0.2	14	0.22	0.092	970.
IMA3004	Pulp	2.4	11.7	66.7	13	<0.1	11.6	3.6	72	0.61	<1	77.4	390.7	25	<0.1	<0.1	<0.1	16	0.16	0.041	429.6
IMA3005	Pulp	1.6	126.5	7.9	29	<0.1	133.5	36.7	196	4.72	11	5.6	10.9	15	<0.1	0.6	0.6	156	0.08	0.041	28.8
IMA3006	Pulp	1.4	52.4	68.3	135	0.1	85.7	14.2	136	2.81	<1	2.2	8.0	51	0,5	0.1	<0.1	41	0.11	0.020	14.2
IMA3007	Pulp	1.4	594.2	64.4	179	0.3	6.6	4.8	48	0.68	3	1.2	2.7	8	1.2	<0.1	<0.1	4	0.05	0.002	6.
IMA3008	Pulp	2.4	3,3	33.4	13	<0.1	6.9	4.1	50	0.64	5	25.2	77.7	22	<0.1	<0.1	<0.1	7	0.04	0.008	75.9
IMA3009	Pulp	0.6	679.7	82.7	294	0.3	4.2	20.9	355	5.65	3	3,2	13.5	35	1.1	<0.1	<0.1	26	0.44	0.149	41.9
IMA3010	Pulp	0.2	1.1	14.8	426	<0.1	3.7	8.4	3859	14.31	<1	16.8	132.8	126	<0.1	0.2	<0.1	125	8.40	0.004	60.



BUREAU MINERALLABORATORIES
VERITAS CONTACTORIES

www.bureauveritas.com/um

MacGregor, R.A. 28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project:

Client:

None Given

Report Date:

June 21, 2019

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

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Part: 2 of 3

A200 MA200	
4200 MA200	
	0 MA200
S Rb	· ·
% ppm	1
0.1 0.1	
<0.1 117.9	3 4.4
0.1 156,5	
<0.1 166.9	
*	
<0.1 135.9	2.8
<0.1 81.2	
0.3 97.4	#
<0.1 137.3	
0.1 19.9	
	<pre><0.1 127.7 <0.1 117.8 0.1 158.5 <0.1 166.8 <0.1 144.1 <0.1 150.1 <0.1 135.0 0.1 102.2 <0.1 81.2 <0.1 81.2 0.3 97.4 <0.1 137.3 0.7 232.1 0.3 52.3 0.1 18.9 <0.1 30.6</pre>



PHONE (604) 253-3158

SUREAU MINERAL LABORATORIES

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

Bureau Veritas Commodities Canada Ltd.

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MacGregor, R.A.

28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project:

Client:

None Given

Report Date:

June 21, 2019

Page:

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Part: 3 of 3

ORREFEGATE OF ANALYSIS

VAN190014803

	M	ethod	MA200	MA200	MA200	MA200	MA200
	Aı	nelyte	in	Re	Se	Te	Т
		Unit	ppm	ppm	ppm	ppm	ppm
		MDL	0.05	0.005	1	0.5	0.8
IMA2994	Pulp		<0.05	<0.005	<1	<0.5	0.9
IMA2995	Pulp		<0.05	<0.005	<1	<0.5	0.7
IMA2996	Pulp		<0.05	<0.005	<1	<0.5	1.1
IMA2997	Pulp		80.0	<0.005	<1	<0.5	1.2
IMA2998	Pulp		<0.05	<0.005	<1	<0.5	1.0
IMA2999	Pulp		<0.05	<0.005	<1	<0.5	1.1
IMA3000	Pulp		0.06	<0.005	<1	<0.5	0.9
IMA3001	Pulp		<0.05	<0.005	<1	<0.5	0.5
IMA3002	Pulp	`	<0.05	<0.005	<1	<0.5	<0.5
IMA3003	Pulp		<0.05	<0.005	<1	<0.5	0.7
IMA3004	Pulp		<0.05	<0.005	<1	<0.5	0.9
IMA3005	Pulp		0.09	800.0	2	<0.5	1.7
IMA3006	Pulp		<0.05	<0.005	<1	<0.5	<0.5
IMA3007	Pulp		<0.05	<0.005	<1	<0.5	<0.5
IMA3008	Pulp		<0.05	<0.005	<1	<0,5	<0.5
IMA3009	Pulp	· · · · · · · · · · · · · · · · · · ·	0.07	<0.005	<1	<0.5	<0.5
IMA3010	Pulp		0.31	<0.005	<1	0.9	<0.5



MINERAL LABORATORIES

9050 Shaughnessy St. Vancouver British Columbia V6P 6E5 Canada

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Procedure

Code

SLBHP

LF100

Number of

Samples

113

113

ADDITIONAL COMMENTS

Skead Holdings Ltd.

28 Ford St.

Sault Ste. Marie Ontarlo P6A 4N4 Canada

Submitted By: Receiving Lab:

Client:

Robert MacGregor
Canada-Vancouver

Received:

May 13, 2019

Report Date:

June 28, 2019

Page:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Code Description

1 of 5

Sorting, labeling and boxing samples received as pulps

Refractory and REEs by fusion and ICP-MS analysis

None Given

Wanishin II.

Test

0.2

Wat (g)

Report

Status

Completed

Lab

VAN

VAN

CLIENT JOB INFORMATION

Bureau Veritas Commodities Canada Ltd.

SCIENT JOB INFORMATION

Shipment ID:

Project:

P.O. Number

Number of Samples:

114

SAMPLE DISPOSAL

PHONE (604) 253-3158

IMM-PLP

Return immediately after analysis

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

Invoice To:

Skead Holdings Ltd.

28 Ford St.

Sault Ste. Marie Ontario P6A 4N4

Canada

CC:

JEFFREY CANNON
Geother list's Constitute & Submission

This 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. All results are considered the confidential property of the client. Bureau Veritas 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.



BUREAU MANERAL LABORATORIES

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Client:

Skead Holdings Ltd. 28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project: Report Date:

None Given

June 28, 2019

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Page:

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Part: 1 of 2

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GERTIE!	2ATE OF AL									1 g 1									1837		
	Method	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100								
	Analyte	Ba	Be	Co	Çs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Υ	La	Ce	
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm									
	MDL	1	1	0.2	0.1	0.6	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02
REE 254	Rock Pulp	490	<1	16.2	0.4	8.0	6.0	44.9	103.8	1	23.0	4.9	409.2	70.7	35	4.1	212.0	38.3	515.5	943.7	94.80
REE 255	Rock Pulp	826	<1	19.6	0.6	8.7	3.6	30.4	172.1	1	22.3	3.3	243.8	45,3	24	3.5	134.0	30.3	326.1	584.7	57.41
REE 256	Rock Pulp	794	<1	19.8	0.5	8.5	5.3	41.1	172.5	2	24.9	4.9	415.2	72.8	21	3.2	198.1	62.2	480.1	874.1	87.41
REE 257	Rock Pulp	806	<1	35.8	0,6	10.4	6.6	75.7	192.2	2	29.2	9.1	875.7	156.1	22	3.4	230.3	88.3	1029.0	1782.5	
REE 258	Rock Pulp	926	1	25.2	0.5	11.4	6.7	57.6	228.1	2	29,6	6.7	725.7	130.4	24	2.7	244.1	71.8	893.9	1583.4	160.67
REE 259	Rock Pulp	906	3	6.4	0.9	15.1	7.1	48.2	256.4	4	24.2	5.8	401.7	67.7	23	2.4	243.9	49.3	458.1	825.4	82.12
REE 260	Rock Pulp	826	1	4.8	0.6	9.2	4.8	28.3	193,8	1	22.2	3.0	304.4	52.1	19	1.6	165.4	32.4	367.5	675.3	
REE 261	Rock Pulp	892	<1	4.8	0.6	9.3	4.3	31.0	205.8	2	26.1	3.6	320.5	59.7	16	1.6	150.0	31.0	344.3	622.7	61.59
REE 262	Rock Pulp	928	<1	4.0	1.0	14.0	4.7	31.9	252.7	3	23.3	4.0	338.3	68.5	16	1.8	186.3	45.3	348.8	633.8	
REE 263	Rock Pulp	857	<1	14.2	0.5	8.5	4.3	48.7	199.7	1	29.1	6.2	944.6	203.9	10	2.8	163.0	93.1	1131.9	2007.8	
REE 264	Rock Pulp	683	<1	21.0	0.5	7.9	5.8	79.6	168.9	2	26.8	10.9	1234.3	300.7	14	2.8	206.0	124.3	1363.0	2436.4	
REE 265	Rock Pulp	773	<1	11.5	0,9	14.1	6.3	69.1	238.9	4	23.2	7.9	609.6	120.4	19	2.7	228.6	74.6	739.0	1329.8	
REE 266	Rock Pulp	808	<1	7.3	0.7	10.7	5.4	63.1	218.3	3	23.2	7,4	532.7	92,1	15	2.4	205.0	65.7	841.9	1122.0	114.79
REE 267	Rock Pulp	853	1	4.4	0.6	8.3	3.5	29.2	210.3	5	28.3	3.3	401.6	86.4	10	1.6	132.7	47.2	396.4	711.2	71.79
REE 268	Rock Pulp	870	<1	12,1	0.4	7.7	3.9	44.4	175.0	2	22.6	5.9	712.9	367.1	10	1.7	132.6	103,1	775.0	1355.7	138.34
REE 289	Rock Pulp	436	3	31.8	0.7	10.5	5.3	90.2	178.8	4	28.4	13.4	2053.2	1208.5	18	3.1	194.4	252.1	2110.4	3920.9	398.78
REE 270	Rock Pulp	483	<1	8.2	0.7	11.8	6.1	67.1	201.6	4	15.3	7.8	589.0	122.3	14	2.9	209.4	73.5	661.0	1185.4	119.05
REE 271	Rock Pulp	598	1	3.9	0.9	9.4	5.7	50.8	181.8	2	22.1	5.6	358.5	73,7	14	1.7	216.3	45.5	408.7	731.7	71.88
REE 272	Rock Pulp	609	2	7.3	0.6	9.8	5.4	51.1	189.5	2	21.2	6.2	597.6	114.0	20	1.4	197.9	58.6	633.4	1148.5	115.74
REE 273	Rock Pulp	1015	2	7.5	1.2	14.9	8.9	64.8	271.1	3	30.9	7.8	927.7	171.6	18	3.3	309.0	68.5	961.4	1721.4	175.94
REE 274	Rock Pulp	749	<1	10.1	8.0	11.5	7.7	57.6	208.6	2	26.0	6.9	1078.8	252,8	14	2.0	281.3	98.3	1039.4	1845.0	188.95
REE 275	Rock Pulp	645	1	17.8	0.6	6.4	5.0	65.9	163.9	2	27.3	8.4	1330.4	368.3	12	2.9	185.2	131.9	1321,5	2381.4	243.67
REE 276	Rock Pulp	864	3	12.9	1.0	16.9	9.6	81.8	263.B	5	28.2	10.9	1324.8	218.1	17	2.6	342.5	151.3	1609.3	2881.1	296.63
REE 277	Rock Pulp	804	1	4.8	0.6	9.0	4.8	25.9	197.0	1	21.6	3.1	252.4	41.7	<8	1.4	169.6	26.3	323.2	568.6	56.64
REE 278	Rock Pulp	735	<1	10.3	0.7	10,0	7.3	68.8	200.0	3	25.0	8.2	998.8	194.1	12	3.4	250.3	108.9	1146.9	2022.5	208.50
REE 279	Rock Pulp	747	<1	8.4	0.5	8.1	5.2	50.6	187,3	2	21,5	5.8	675.0	94,0	10	2.8	189.8	71.6	780.1	1387.6	139.00
REE 280	Rock Pulp	870	<1	4.0	0.6	8.7	4.2	34.2	205.6	1	20.8	4.2	232.6	42.9	10	1.9	152.7	32.1	310.8	553.8	54.56
REE 281	Rock Pulp	578	<1	38.9	0,6	6.6	5.9	53.3	151.2	1	28.9	7.5	614.8	75.8	30	3.7	220.3	88,4	832.6	1473.3	152.19
REE 282	Rock Pulp	286	<1	8.3	<0.1	2.5	1.8	37.5	62.2	<u><1</u>	11.3	4.3	449.3	222.1	11	2.0	61.4	58.9	414.7	761.4	77.26
REE 283	Rock Pulp	735	<1	9.7	0.7	8.3	4.3	58.1	164.9	2	29.3	7.0	398.7	59.0	33	11.9	158.1	50.0	557.5	962.0	95.61
	<u></u>												~~~./				100.1		V-1.0	302.V	90.01



PHONE (604) 253-3158

BUREAU MENERAL LABORATORIES

Bureau Veritas Commodities Canada Ltd.

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Skead Holdings Ltd.

28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project:

Client:

None Given

Report Date:

June 28, 2019

Page:

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Part: 2

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COERTIFICATIONS ANALYSIS:

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

												MARCHARITAN CONTRACTOR
	Method	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100
	Analyte	Nd	\$m	Eu	Gd	Tb	Dy	Но	Er	Tm	Yb	Lu
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0,3	0.06	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01
	Rock Pulp	298.9	42.23	2.38	26.50	2.69	10.86	1.50	3.60	0.46	2.74	0.41
ACCUPATION OF THE CONTRACT OF	Rock Pulp	185.5	26.17	1.46	16.16	1.75	7.35	1,15	2.72	0.33	2.10	0.27
The state of the s	Rock Pulp	277.3	39.18	2.02	24.40	2.74	12.43	1.93	4.41	0.57	3,39	0.44
the contract of the second of the contract of	Rock Pulp	597.4	83.93	4.48	52 .17	5.85	23.62	3.38	8.09	0.99	5.76	0.71
The state of the s	Rock Pulp	507.0	72.97	3.66	45.50	4.75	19.98	2.66	6.15	0.80	4.64	0.60
the analysis of the second of	Rock Pulp	259.2	37.60	1.94	24.21	2.68	12,19	1.79	4.26	0.58	3.28	0.46
	Rock Pulp	214.3	29.42	1.50	18.18	1.92	8.34	1.17	2.83	0.35	2.07	0.29
	Rock Pulp	194.8	27,45	1.39	16.34	1.80	7.88	1.11	2.72	0.35	2.17	0.30
American Company and the Company of	Rock Pulp	202.8	28.42	1.30	18.20	2.12	9.54	1.47	3.83	0,50	2.84	0.44
REE 263	Rock Pulp	658.4	91.95	3.82	56.78	5.84	23.72	3.34	7.84	0.97	5.79	0.73
REE 264	Rock Pulp	788.1	114.52	4.92	73.24	8.18	34.29	4.82	10.94	1.39	8.36	1.02
REE 265	Rock Pulp	425.2	60.98	2.60	38.23	4.27	18.28	2.71	6.27	0.84	4.89	0.64
and the second s	Rock Pulp	363.9	52.99	2.25	33.88	3.67	15.92	2.36	5.84	0.71	4.24	0.55
REE 267	Rock Pulp	225.4	31.90	1.58	21.40	2.47	10.65	1.69	3.97	0.49	2.67	0.40
REE 268	Rock Pulp	432.8	63.87	3.07	43.49	5.33	25.43	4.02	9.95	1.27	7.29	0.90
REE 269	Rock Pulp	1278.5	190.29	8.22	121.99	14.65	66.68	10.41	24.90	3.15	18.81	2.21
REE 270	Rock Pulp	380.0	55.58	2.23	34.81	3,94	16.30	2.54	5.89	0.74	4.41	0.59
REE 271	Rock Pulp	223.3	31.19	1.40	19.89	2.41	10.59	1.66	3.98	0.53	3.27	0.44
REE 272	Rock Pulp	372,0	52.81	2.02	32.62	3.51	14.53	2.11	5.06	0.59	3.61	0.47
REE 273	Rock Pulp	560.2	79.78	3.63	49.82	5.26	21.81	3.11	6.87	0.87	5.24	0.67
REE 274	Rock Pulp	597.3	84.49	3.57	52.47	5,75	24.12	3.49	8,15	1.00	6.09	0.75
REE 275	Rock Pulp	769.4	110.31	4.81	70.85	8.00	34.32	5.02	11.78	1.41	8.68	1.04
REE 276	Rock Pulp	953,6	135.61	6.55	86.24	9.29	38.15	5.27	11.64	1.44	8.60	1.05
REE 277	Rock Pulp	176.6	24.85	1.16	14.72	1.59	6.69	0.88	2.06	0.27	1.74	0.23
REE 278	Rock Pulp	668.8	94.92	4.83	61.22	6.59	28.21	4.08	9.33	1.10	6.98	0.86
REE 279	Rock Pulp	437.5	63.80	3.44	39.63	4.51	18.84	2.79	6.06	0.74	4.51	0.56
REE 280	Rock Pulp	170.7	24.17	1.17	15.06	1.76	7.58	1.10	2.74	0.34	2.21	0.30
REE 281	Rock Pulp	487.3	69.64	4.56	43.74	4.70	18.92	2.61	5.92	0.76	4.52	0.57
	Rock Pulp	249.6	37.23	2.78	24.49	3.24	15.80	2.54	6.16	0.79	4.61	0.57
REE 283	Rock Pulp	296.8	42.75	2.19	27.03	3.01	12.10	1.79	4.53	0.57	3.45	0.46



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Client:

Skead Holdings Ltd.

28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project:

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Report Date:

June 28, 2019

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada PHONE (604) 253-3158

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																	SA.T.		0.57	1	
	Method	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF1
	Analyte	Ba	Be	Co	Ca	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	IJ	V	W	Zr	Y	Le	Ce	
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pp
	MDL	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.
REE 284	Rock Pulp	700	<1	3,2	0.6	4.8	4.7	24.1	172.5	1	21.4	3.0	262.5	48.8	11	9.5	169.4	31.5	302.7	545.0	53.
REE 285	Rock Pulp	439	<1	4.4	0.4	4.1	3.6	51.9	101.2	1	25.5	6.2	553.8	81.2	21	2.6	124.8	60.7	661.4	1201.7	110
REE 286	Rock Pulp	627	2	4.2	0.7	10.6	5.8	42.7	197.0	2	21.8	4.8	344.5	67.3	18	0.7	208.4	45.2	410.7	713.5	68
REE 287	Rock Pulp	554	3	31.4	0.9	9.0	6.9	60.1	159.2	3	24.2	7.8	1027.7	446.5	20	1.1	249.B	136.2	1119,9	1991.1	200
REE 288	Rock Pulp	250	2	65.5	0.8	8.1	5.0	46.1	129.6	3	15.5	6.1	1092.7	638.0	12	1.2	176.5	138.4	1179.0	2092.1	211
REE 289	Rock Pulp	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N
REE 290	Rock Pulp	271	3	52.0	1.3	7.5	6.6	142.9	148.5	4	18.9	18.1	1892.5	478.0	20	2.3	222.5	191.9	2082.6	3717.5	378
REE 291	Rock Pulp	305	<1	25.7	1.5	16.6	8.1	130.0	172.2	5	25.2	14.5	1648.7	408.2	28	2.0	283.2	160.9	1759.9	3235.2	328
REE 292	Rock Pulp	650	2	3.0	0.6	11.0	5.4	56.6	163.6	2	21.9	6.8	464.2	101.4	21	3.8	198.2	54.0	546.7	960.6	96
REE 293	Rock Pulp	698	<1	6.9	0.8	9.1	4.4	36.6	170.8	2	21.9	4.5	342.9	67.8	10	1.2	160.5	40.8	402.5	726.7	72
REE 294	Rock Pulp	629	<1	6.7	0.6	8.0	4.4	59.0	155.8	2	21.6	7.1	694.1	116,2	13	1.3	180.4	76,6	834.5	1494.2	149
REE 295	Rock Pulp	325	<1	36.3	1.4	13.6	4.4	59.6	172.0	3	16.9	7.3	921.9	346.7	11	1.3	187.6	101.7	982.8	1757.6	179
REE 296	Rock Pulp	597	<1	6.2	0.6	9.0	4.9	61.3	152.3	2	19.6	7.6	676.2	115.5	16	1.5	182.3	75.8	804,5	1426.7	143
REE 297	Rock Pulp	552	2	4.9	0.4	5.3	5.3	51.6	140.8	2	19.7	6.3	734.7	128.6	18	7.5	177.2	79.7	910.8	1577.0	
REE 298	Rock Pulp	443	3	15.2	1.1	13.1	5.6	37.0	172.8	3	19.1	4.2	390.4	83.9	<8	0.6	197.1	41.3	441.4	812.4	79
REE 299	Rock Pulp	831	1	4.7	1.0	13.7	6,6	36.2	238.0	4	22.0	4.4	358.3	65.9	<8	1.2	228.2	33.6	318.7	578.7	58
REE 300	Rock Pulp	897	<1	2.1	1,1	13.5	7,5	38.2	256.3	4	23.8	4.4	296.0	54.7	<8	1.4	257.8	29.8	284.9	530.9	· · · · · · · · · · · · · · · · · · ·
REE 301	Rock Pulp	644	2	12.6	0.6	7.7	4.2	51.4	153.4	2	23.1	7.4	823.2	139.9	<8	1.8	144.2	94.1	956.9	1705.2	,
REE 302	Rock Pulp	490	4	29.1	0.7	10.4	4.1	66.5	166.2	4	26.0	9.7	1312.7	2167.6	<8	2.0	140.5	250.2	1179.6	2110.1	and and
REE 303	Rock Pulp	805	<1	5.1	0.6	10.5	5.1	46.0	204.1	2	23.4	5.3	357.0	55.0	19	1.1	178.4	40.7	432.0	774.0	
REE 304	Rock Pulp	663	<1	14.3	1.0	7.8	7.9	55.8	137.6	3	23.5	7.1	860.5	352.8	<8	2.0	281.5	114.3	892.2	1624.1	167
REE 305	Rock Pulp	469	<1	22.5	1.6	12.4	5.4	72.1	169.0	3	23.6	9.1	1441.6	526.2	<8	1.1	193.4	166,8	1468.7	2698.5	
REE 306	Rock Pulp	886	1	5.6	0.8	6.4	3,3	37.6	172.8	1	26.3	4.8	323.4	80.4	<8	1.0	118.9	40.8	383.6	678.7	68
REE 307	Rock Pulp	641	2	8,3	1.2	9.4	4.6	31.5	134.3	1	25.6	3.9	431.0	81.8		0.9	162.1	51.9	486.8	859.7	86
REE 308	Rock Pulp	408	2	8.7	1.5	13.9	6.3	51.2	194.0	3	16.9	6.3	746.1	203.2	<8	1,1	213.1	79.9	732.9	1314,7	134
REE 309	Rock Pulp	188	3	6.5	0.2	3.5	3.4	32.0	38.7	<u>-</u> -	16.9	3.6	645.7	153.8	<8	0.9	130.0	80.1	360.7	666.0	
REE 310	Rock Pulp	518	1	12.6	0.7	7.4	6.4	86.9	122.3	3	45.3	9.4	1395.2	498.9		1.9	224.6	160.5	1833.7	3310.1	337
REE 311	Rock Pulp	707	<1	12.6	2.0	8.1	2.9	65.4	103.3	1	30.0	4.9	353.1	62.0	<8	0.6	94.1	32.7	392.3	679.6	337 66
REE 312	Rock Pulp	308		21.3	1.3	10.7	5.2	59.1	146.3	3	15.9	7.6	1004.7	297.1	~° <8	1.2	193.1	93.7	995.4	1768.0	
REE 313	Rock Pulp	362	<u>``</u> <1	7.1	1.6	12.0	6.2	48.8	173.4	3	14.0	5.4	403.3	101.1	<8	2.2	222.4	42.5	403.2	727.6	182 73



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Client:

Skead Holdings Ltd.

28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

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None Given

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada PHONE (604) 253-3158

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	Method	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100
	Analyte	Nd	Sm	Eu	Gd	Tb	Dy	Но	Er	Tm	Υb	Lu
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01
REE 284	Rock Pulp	172.6	23.81	1.30	14.79	1.65	7.36	1.15	2.60	0.32	2.04	0.28
REE 285	Rock Pulp	375.4	53.01	2.95	31.40	3.47	14.67	2.12	4.72	0.61	3.77	0.51
REE 286	Rock Pulp	216.2	30.54	1.30	19.35	2.27	10.10	1.58	3.79	0.51	3.09	0.44
REE 287	Rock Pulp	640.4	94.14	5.24	63.26	7.43	34.00	5.28	12.39	1.52	8.80	1.10
REE 288	Rock Pulp	686.1	101.13	6.12	65.70	7.99	37.86	5.92	13.74	1,85	11.10	1.32
REE 289	Rock Pulp	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	LN.R.	L.N.R.
REE 290	Rock Pulp	1230.6	174.68	8.59	111.09	12.18	51.92	7.51	17.82	2.14	12.68	1.53
REE 291	Rock Pulp	1031.4	150.09	7.03	95.27	10.51	44.59	6.34	14.28	1.75	10.14	1.28
REE 292	Rock Pulp	310.3	42.83	1.87	26.63	2.97	12.61	1.91	4.87	0.60	3.73	0.48
REE 293	Rock Pulp	223.8	31.83	1.47	20.71	2.33	9.84	1.49	3.51	0.45	2.62	0.36
REE 294	Rock Pulp	460.0	66. 4 1	2.87	41.44	4.73	19.75	2.87	6.58	0.81	4.60	0.59
REE 295	Rock Pulp	577,3	83.79	3.75	53.52	6.34	27.24	4.19	9.46	1.17	6.60	0.83
REE 296	Rock Pulp	448.7	65.74	2.80	42.07	4.68	19.38	2.77	6.64	0.83	4.77	0.62
REE 297	Rock Pulp	494.3	70.28	2.93	43.75	5.01	20.62	2.93	6.72	0.83	4.78	0.63
REE 298	Rock Pulp	252.5	36.27	1.67	21.59	2.52	10.05	1.51	3.57	0.43	2.81	0.36
REE 299	Rock Pulp	181.8	26.29	1,53	16.64	1,95	8.28	1.31	3.19	0.43	2.43	0.35
REE 300	Rock Pulp	169.5	24.19	1.63	15,26	1.72	7.62	1.15	2.73	0.37	2.02	0.27
REE 301	Rock Pulp	547.8	80.04	3.56	50.50	5,73	23.47	3.48	7.92	0.95	5.59	0.73
REE 302	Rock Pulp	708.7	115.90	5.54	83.71	12.13	62.07	10.80	28.38	3.62	20.82	2.44
REE 303	Rack Pulp	244.3	34.49	1,42	21.28	2.29	9.69	1.34	3.47	0.43	2.64	0.32
REE 304	Rock Pulp	525.5	80.27	5.10	50.88	6.10	27.85	4.30	10.30	1.26	7.33	0.93
REE 305	Rock Pulp	873.9	126.28	5.97	79.84	9.25	40.80	6.13	14.41	1.74	10.11	1.24
REE 306	Rock Pulp	216.2	30.55	1.34	18.68	2.27	9.66	1.50	3.69	0.48	2.88	0.39
REE 307	Rock Pulp	269.1	39,12	2.10	25.48	2.97	12.77	1.84	4.33	0.54	3.09	0.39
REE 308	Rock Pulp	419.0	60.58	2.68	38.50	4.58	19.55	3.04	7.01	0.86	5.16	0.69
REE 309	Rock Pulp	212.8	34.55	2.76	24.43	3.37	16.50	2.94	7.38	0.85	4,71	0.55
REE 310	Rock Pulp	1054.0	159.82	9.75	95.42	10.47	42.04	5.77	13.80	1.74	10.65	1.26
REE 311	Rock Pulp	215.7	51.53	6.87	26.90	2.38	8.68	1.08	2.64	0.36	2.20	0.29
REE 312	Rock Pulp	577.0	82.86	3.86	50.47	5.74	24.33	3.66	8.60	1.04	6.18	0.73
REE 313	Rock Pulp	233.6	32.97	1.63	20.79	2.37	10.03	1.59	3.65	0.48	3.05	0.39



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Skead Holdings Ltd.

28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project:

Report Date:

None Given June 28, 2019

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Method	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF10
Analyte	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	рр
MDL	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.6	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.0
Rock Pulp	348	2	12.2	1.9	11.8	7.1	66.6	164.7	3	14.9	7.9	1161,5	337.5	<8	0.9	253.7	145.3	1179.7	2123.6	218.4
Rock Pulp	403	<1	18.8	1.0	11.0	5.5	44.2	163.1	3	18.9	5,7	845.1	178.6	<8>	0.9	192.6	73.6	878.7	1554.2	159.0
Rock Pulp	333	3	28.2	1.7	12.3	6.6	73.1	169.9	4	16.1	9.4	1575.6	574.8	<8	1.4	252.5	209.6	1650.8	3055.1	310.7
Rock Pulp	749	<1	9.8	0,5	8.4	4.9	39.5	157,9	2	23.4	4.8	495.4	94.5	<8	4.3	175.4	61.1	559.9	1017.1	102.1
Rock Pulp	826	<1	15.1	0.6	11.0	4.5	34.8	178.2	1	24.4	4.3	426.0	83.2	<8	1.9	154.3	51.1	502.1	880.4	89,1
Rock Pulp	473	2	17.2	1.6	10.4	6.5	92.1	163.8	3	26.0	11.4	1401.4	358.3	<8	1.8	234.8	150.3	1555.5	2743,4	284.5
Rock Pulp	782	<1	17.1	0.7	11.2	6.3	51.9	178,9	2	24.2	6.2	547.4	100.4	<8	2.0	229.9	60.6	654.2	1175.0	
Rock Pulp	850	2	5.9	0.8	10.5	4.9	30.4	184.2	1	23.3	3.7	283.1	48.4	<8	1.8	170.7	32.6	369.0	683.1	87.0
Rock Pulp	821	<1	12.6	0.6	9,7	4.6	43.0	177.3	2	26.7	5.0	477.9	98,0	<8	1.6	166.3	53.9	601.0		
Rock Pulp	414	<1	6.4	0.7	12.7	3.3	25,7	165.3	1	15.4	3.0	359,4	107.2	<8	0.6	117.6	36.1	380.8		68.4
Rock Pulp	659	<1	20.6	0.4	4.9	4.2	59.2	140.0	1	24.1	7.6	878.2	114.6	<8	4.1	147.7				
Rock Pulp	973	<1	14.5	0.9	13,5	6.4	43.0	226.8	3	33.1	4.7	262.7	52.3	31	2.6	236.1	43.8	·		
Rock Pulp	465	5	9.3	0.6	13.0	3.9	41.3	173.9	2	19.0	5.5	630.5	143.2	<8	1.0					
Rock Pulp	320	<1	22.2	0.5	11.6	4.3	75.2	138.8	2	19,7	9.7	1158.6	318.4	38						
Rock Pulp	357	<1	42.5	1.2	7.3	6.6	81.4	137.3	3	26.5	9.6	746.4	204.4				/			
Rock Pulp	287	1	13.2	0,9	7.6	5.8	64.6	121,1	2	20.9	7.8	651.4	150.2							
Rock Pulp	355	2	10.2	1.0	11.0	11.8	89.5	165.1	3	20.1	11.2	600.6								
Rock Pulp	342	4	5.5	1.4	10,0	11.6	67.0	169.6	3	17.8	7.9	443.8	83.3							89.1
Rock Pulp	326	3	10.6	1.1	10.4	9.5	97.8	161.0	4	20.5	12.1	983.7	226.4							195.9
Rock Pulp	262	2	23.5	1.0	B.6	10.3	159.6	138.0		24.2								- 11777		
Rock Pulp	294	4	10.1	0.8	10.5	6.2	40.1	147.8	3		4.6									74.4
Rock Pulp	315	<1	7.5	0.7	9.9	7.6	55.3	154.5	3		6.7									94.7
Rock Pulp	325	<1	9.9	0.8	8.8	4.7	43,0	147.7	2	17.0	5.2	366.1						*		72.8
Rock Puip	268	2	16.9	0.8	9.2	7.2	73.3	140.9	3	14.1							·			
Rock Pulp	291	5	8.9	8.0	12.6	5.5	42.8	163.0	3	14.7										63.2
Rock Pulp	284	2	40.7	0.8	7.6	4.9	67.7	119,5	2	17.9										
Rock Pulp	354	1	20.0	1.3	10.1															
Rock Pulp	832	2	10.9	0.5					1											
	535	<1						-	! <1			·								30.2
Rock Pulp	764	5	16.9	0.9	15.7	7.9	24.6	237.4	3	26.1	2.6	152.8	31.3	27	1.9	284.6	41.7 24.6	166.4	792.2 289.3	79.6 28.7
	Method Analyte Unit MDL Rock Puip	Analyte Ba ppm MDL 1 Rock Pulp 348 Rock Pulp 403 Rock Pulp 749 Rock Pulp 826 Rock Pulp 826 Rock Pulp 782 Rock Pulp 850 Rock Pulp 821 Rock Pulp 659 Rock Pulp 465 Rock Pulp 320 Rock Pulp 357 Rock Pulp 357 Rock Pulp 342 Rock Pulp 342 Rock Pulp 326 Rock Pulp 325 Rock Pulp 325 Rock Pulp 325 Rock Pulp 325 Rock Pulp 284 Rock Pulp	Method Analyte LF100 LF100 Ba Be ppm ppm MDL 1 1 1 Rock Pulp 348 2 Rock Pulp 403 <1	Method Analyte LF100 LF10	Method Analyte LF100 LF100 LF100 LF100 LF100 LF100 LF100 LF100 LF100 LF100 LF100 CC CS CC CS CC CS ppm ppm ppm ppm ppm ppm ppm ppm ppm pp	Method Analyte LF100 CR8 GB CR0 CR0 DR0 MB AB AB </td <td>Method Analyte LF100 LF1000 LF100 LF10</td> <td> Method Analyte</td> <td>Method Analyte LF100 Rock Pulp ppm ppm ppm ppm ppm ppm ppm ppm ppm p</td> <td> Method Analyte Ba Be Co Cs Ga Hf Nb Rb Rb Rb Ppm Ppm</td> <td> Method Rock Pulp Rock Pu</td> <td> Method Analyte Ba Be Co Ca Ga Hf Nb Rb Sr Sr Ta Ta Ta Ta Ta Ta Ta T</td> <td> Method Analyte Part Left Left</td> <td> Method Charles</td> <td> Method Ba Ba Co Ca Ca Hf Nb Nb Sn Sr Ta Th U V V V V V V V V V</td> <td> Method Ala S S S S S S S S S </td> <td> Method Analysis</td> <td> Method LP100 LP1</td> <td> Method Color Prior Pri</td> <td> Mathod Lifton L</td>	Method Analyte LF100 LF1000 LF100 LF10	Method Analyte	Method Analyte LF100 Rock Pulp ppm ppm ppm ppm ppm ppm ppm ppm ppm p	Method Analyte Ba Be Co Cs Ga Hf Nb Rb Rb Rb Ppm Ppm	Method Rock Pulp Rock Pu	Method Analyte Ba Be Co Ca Ga Hf Nb Rb Sr Sr Ta Ta Ta Ta Ta Ta Ta T	Method Analyte Part Left Left	Method Charles	Method Ba Ba Co Ca Ca Hf Nb Nb Sn Sr Ta Th U V V V V V V V V V	Method Ala S S S S S S S S S	Method Analysis	Method LP100 LP1	Method Color Prior Pri	Mathod Lifton L



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BUREAU MINERAL LABORATORIES
VERITAS

Bureau Veritas Commodities Canada Ltd.

www.bureauveritas.com/um

Skead Holdings Ltd.

28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project:

Client:

None Given

Report Date:

June 28, 2019

Page:

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Part: 2 of 2

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

VANVERRATORY.

to de a constante de La company, estado Paris assertante en estado en constante e de America de Villa	Method	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100
	Analyte	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Υb	Lu
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.3	0.06	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01
REE 314	Rock Pulp	698.0	103.15	5.96	66.56	7.64	34.37	5.31	12.78	1.60	9.35	1.11
REE 315	Rock Pulp	500,6	72.11	3.98	43.13	4.73	20.02	2.89	6.39	0.80	4.67	0.61
REE 316	Rock Pulp	979.5	148.44	7.81	96,12	11.29	51.03	8.19	19.11	2.31	13.15	1.62
REE 317	Rock Pulp	315.5	45.06	2.72	29.54	3.47	15.40	2.34	5.72	0.70	4.03	0.51
REE 318	Rock Pulp	280.1	41.70	2.31	26.10	2.98	12.97	1.91	4.48	0.55	3.43	0.40
REE 319	Rock Pulp	907.3	129.85	6.32	80.97	9.05	38.80	5.87	12.94	1.57	8.84	1.09
REE 320	Rock Pulp	373.0	52.75	3.02	33,58	3.69	15.41	2.29	5.39	0.65	3.99	0.52
REE 321	Rock Pulp	205.3	29.58	1.79	17.35	2,01	8.39	1.28	2.75	0.35	2.13	0.26
REE 322	Rock Pulp	341.4	48.47	2.65	30.61	3.33	14.35	2.13	4.78	0.63	3.62	0.43
REE 323	Rock Pulp	215.4	31.30	1.36	19.07	2.22	9.57	1.43	3.35	0.44	2.60	0.33
REE 324	Rock Pulp	647.9	93.01	4.75	55.34	8.18	25.39	3.58	7.63	0.93	5.68	0.65
REE 325	Rock Pulp	181.0	26.72	1.61	17.61	2.12	9.42	1.51	4.00	0.51	3.10	0.41
REE 326	Rock Pulp	372.3	54.37	2.28	35.06	3,80	15.98	2.45	5.58	0,66	4.05	0.49
REE 327	Rock Pulp	744.9	107.62	4.59	72.41	7.28	30.66	4.47	10.17	1.27	7.18	0.90
REE 328	Rock Pulp	498.2	69.37	4.14	42.77	4.82	20.53	3.03	7.12	0.96	5.83	0.74
REE 329	Rock Pulp	433.5	60.69	3.54	38.20	4.06	17.01	2.48	5.80	0.71	4,43	0,55
REE 330	Rock Pulp	398,8	55.70	2.77	36.78	4.03	17.61	2.65	6,69	0.81	5.27	0.68
REE 331	Rock Pulp	283.6	38.46	1.91	26 27	2.92	13.07	2.00	5.11	0.65	3.98	0.55
REE 332	Rock Pulp	632.9	89.76	4.58	57.40	6.21	26.80	3.98	9.97	1.25	7.25	0.95
REE 333	Rock Pulp	1539,1	222.08	12.61	143.59	15.42	87.39	9.68	23.72	2.87	17.11	2.13
REE 334	Rock Pulp	239.4	33.74	1.95	21.87	2.46	11.51	1.72	4.63	0.59	3.59	0.47
REE 335	Rock Pulp	299.8	41.86	2.32	28.42	2.98	12.79	2.05	4.96	0.63	3.81	0.51
REE 336	Rock Pulp	232.4	32.37	1.84	20.62	2.32	10.35	1.59	3.87	0.49	3.08	0.43
REE 337	Rock Pulp	369.1	51.59	2.78	34,39	3.69	16.28	2.42	6.03	0.81	4.82	0.65
REE 338	Rock Pulp	201.3	29.40	1.47	19.28	2.14	9.45	1.50	3.74	0.46	3.15	0.41
REE 339	Rock Pulp	423.9	59.94	3.46	37.99	4.05	16.88	2.39	5.68	0.71	4.28	0.57
REE 340	Rock Pulp	567. 6	60,78	4.41	53.30	5.83	24.32	3,54	8.59	1.03	6.18	0.80
REE 341	Rock Pulp	94.8	14.02	0.88	9.63	1.29	6.57	1.21	3.05	0.40	2.26	0.32
REE 342	Rock Pulp	254.0	36.59	2.29	23.66	2.53	10.91	1.57	3.92	0.45	2.87	0.39
REE 343	Rock Pulp	92.2	13.40	0.94	8.76	1.09	5.05	0.86	2.36	0.29	2.00	0.31

This 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.



BUREAU MINERAL CABORATORIES
VERITAS

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Client:

Skead Holdings Ltd.

28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project:

None Given

Report Date:

June 28, 2019

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

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art: 1 of 2

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	HE OEM	JA _{LY}			44.											V/		:00	8 3 7		II N
	Method	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100
	Analyte	8a	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Şr	Ta	Th	U	V	W	Zr	Υ Υ	La	Ce	Pr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.6	0.1	0.1	0.1	0.1	0.02
REE 344	Rock Pulp	350	1	48.9	1.4	12.5	6.0	53.9	165.8	5	15.5	6.9	906.8	273.1	27	1.5	216.6	97.2	955.1	1697.6	174.28
REE 345	Rock Pulp	623	2	33.2	0.5	4.6	5,5	82.0	137.1	2	44.2	11.0	1735.1	413.2	25	3.6	199.2	154.9	1686.4	3172.2	324.91
REE 346	Rock Pulp	1151	<1	5.6	0.7	5.1	3.5	43.0	209.9	2	26.6	5.6	422.9	86.7	16	1.3	133.8	48.6	463,3	833.8	83.87
REE 347	Rock Pulp	650	<1	44.0	0.8	8.5	9.7	112.2	155.4	2	35.8	14.5	1635.6	263.9	22	2.0	343.9	144.9	1782.6	3209.3	326.70
REE 348	Rock Pulp	702	<1	11.7	0.7	8.1	6.9	68.1	169.0	2	26.0	8.6	778.5	129.1	29	2.0	255.9	77.3		1623.8	A
REE 349	Rock Pulp	764	1	39.2	0.7	9.2	5.5	81.4	163.7	3	25.9	9.2	832.2	262.0	14	1.5	197.1	101.2		1774.1	180.49
REE 350	Rock Pulp	307	7	77.1	0.3	1.3	6.3	102.2	79.4	5	39.5	15.2	4869.3	3030.3	20	3.8	237.1	520.0			
REE 351	Rock Pulp	815	1	16,0	0.5	7.5	5,1	31.3	190.0	<1	23.7	4.1	369.8	60.4	10	3.4	183.6	40,4	351.2	596.8	59.57
REE 352	Rock Pulp	241	<1	10.9	1.5	11.3	6.9	79.8	172.6	4	10.5	9.3	829.0	193.5	21	1.5	230.5	86.6		1581.8	160.88
REE 353	Rock Pulp	509	<1	7.4	1.8	11.8	11.5	76.7	198.9	4	17.7	8.7	599.5	130.8	20	1.1	416.4	68.3	er annanger an	1098.2	110.50
REE 354	Rock Pulp	484	<1	5.9	1.7	12.2	8.1	52.6	199.4	3	15,5	8.2	499.2	131.6	16	0.8	281.6	54.5	486,3	876.1	88.57
REE 365	Rock Pulp	388	<1	9.7	1.1	8.3	3.0	28.0	138.6	2	23.5	3.4	381.0	93.1	14	1.3	105.5	38.7	404.4	720.6	72.93
REE 358	Rock Pulp	521	2	10.4	1.5	18.6	4.3	12.5	201.0	2	21.6	1.3	78.6	17.6	24	<0.5	152.3	13.7	98.3	169.9	16.84
REE 357	Rock Pulp	415	4	10.5	2.6	20.6	6.8	81.4	285.2	5	12.8	10.5	793.5	258.4	33	2.4	241.5	87.5		1265.4	130.53
REE 358	Rock Pulp	644	<1	6.5	0.7	4.5	4.6	58.2	152.2	2	26.1	7.2	1167.3	267.5	11	1.4	167.4	110.6		2453.1	245.53
REE 359	Rock Pulp	770	<1	9,6	8.0	5.2	6,8	48.3	137.1	<1	32.9	5.4	816.8	143.2	18	2,3	234.8	87.8		1651.4	170.15
REE 360	Rock Pulp	69	6	1.8	0.9	29.0	22.5	33.7	119.8	2	88.2	0.7	680.1	807.2	10	0.8	740.0	125.8	319.8	661.9	70.21
REE 361	Rock Pulp	834	8	24.2	4.3	22.3	3.0	29.9	200.3	4	433.4	2.3	38.7	14.3	67	0.9	97.1	187.7	747.1	956.8	79.09
REE 362	Rock Pulp	845	<1	14.5	0.6	5.2	6.8	90.0	150.0	2	23.0	11.0	875.3	144.4	19	2.0	242.8			1810.1	185.23
REE 363	Rock Pulp	684	<1	23.2	0.6	8,8	6.3	54.5	170,5	2	20.2	5.8	464.8	75.1	22	5.3	211.8	47.4	383.8	709.2	69.38
REE 364	Rock Pulp	838	<1	4.3	0.3	3.4	4.6	49.4	162.9	<1	30.4	5.4	343.4	57.3	15	1.6	167.0	39.6		1081.8	
REE 365	Rock Pulp	858	1	5.0	0.4	4.1	10.0	94.2	167.0	<1	35.8	11.1	826.1	143.6	9	3.2	344.5	67.7		1421.0	149.69
REE 366	Rock Pulp	346	<1	7.0	5.7	3,3	<0.1	11.6	117.6	<1	3708.3	<0.1	1.1	0.7	10	<0.5	2.0	243.9	364.5	744.7	82.62
REE 367	Rock Pulp	223	<1	<0.2	<0.1	<0.5	<0.1	<0.1	0.7	eneman communication of the co	4449.5	<0.1	1.4	2.0	<8	0.8	0.6	269.6	401.6	820.1	92.26



BUREAU MINERAL LABORATORES
VERITAS ALBERT

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Client: Skead Holdings Ltd.

28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project:

None Given

Report Date:

June 28, 2019

Bureau Veritas Commodities Canada Ltd.

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Page:

5 of 5

rt: 2 of 2

CERTHERATE/OF/ANALYSIS

	Method	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100
	Analyte	Nd	\$m	Eu	Gd	Tb	Дy	Но	Er	Tm	Yb	Lu
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MOL	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.06	0.01
REE 344	Rock Pulp	555.6	80.07	4.41	51.43	5.97	24.59	3.71	8.65	1.06	5.95	0.76
REE 345	Rock Pulp	1033.9	147.52	6.69	94.22	10.25	42.55	6.12	14,08	1.72	10.04	1.23
REE 346	Rock Pulp	264.7	39.17	1.76	25.38	2.90	12.23	1.84	4.51	0.51	3.27	0.41
REE 347	Rock Pulp	1034.3	149.99	9.79	98.65	10.41	41.95	5.60	12.58	1.49	8.86	1.05
REE 348	Rock Pulp	527.1	76.56	4.96	48.45	5.28	22.09	2.86	6.80	0.79	5.05	0.62
REE 349	Rock Pulp	570.0	84.60	4.00	54.85	8.20	26.75	3.96	9.38	1.13	6.72	0.81
REE 350	Rock Pulp	2883.9	432.42	20.78	289.75	35.24	157.08	23.44	54.63	7,15	40.67	4.64
REE 351	Rock Pulp	190.1	27.79	1.72	17.98	2.14	9.50	1.48	3.78	0.49	2.83	0.39
REE 352	Rock Pulp	511.5	73.95	3.52	50.72	5.51	22.91	3.47	8.45	1.02	6.10	0.80
REE 353	Rock Pulp	344.9	49.83	2.22	33.42	3.82	16.53	2.50	6.49	0.83	4.98	0.68
REE 354	Rock Pulp	282.3	42.15	2.11	27.53	3.11	13.90	2.12	5,11	0.65	4.20	0.57
REE 365	Rock Pulp	228.7	32.85	1.83	21.20	2.47	10.45	1.47	3.56	0.45	2.59	0.35
REE 356	Rock Pulp	53.0	7.73	0.53	5.15	0.60	2.63	0.51	1.27	0.17	1.12	0.17
REE 357	Rock Pulp	407.8	60.25	3.24	41.35	5.15	23.00	3.77	9.34	1.18	6.96	0.89
REE 358	Rock Pulp	782.8	111.27	4.07	69.21	7.50	30.75	4.31	9.54	1.17	7.06	0.86
REE 359	Rock Pulp	529.5	77.39	3.06	50.62	5.70	23.34	3.45	8.08	0.92	5.41	0.70
REE 360	Rock Pulp	224.0	38.74	1.20	29.99	4.48	24.87	5.21	15,33	2.09	11.71	1.51
REE 361	Rock Pulp	222.5	26.01	3.46	22.48	3.53	22.54	5.17	16.59	2.64	17,15	2.38
REE 362	Rock Pulp	584.1	83.62	4.68	52.27	5.52	20.80	2.96	6.80	0.81	4.86	0.64
REE 363	Rock Pulp	219.6	32.24	1,91	21.83	2.67	12.15	1.94	4.48	0.57	3.14	0.41
REE 364	Rock Pulp	359.8	50.27	4.10	28.19	2.94	11.49	1.51	3.36	0.47	2.70	0.35
REE 365	Rock Pulp	477.1	67.32	5.30	40.81	4.36	18.20	2.61	5.85	0.78	4.81	0.63
REE 366	Rock Pulp	292.4	47.53	9.22	41.65	6.58	40.38	9.30	30.34	4.53	30.50	4.21
REE 367	Rock Pulp	326.0	52.64	10.36	47.59	7.40	46.42	10.51	34.69	5.18	34.29	4.73



MINERAL LAHORATORIES

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Bureau Veritas Commodities Canada Ltd. 9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada PHONE (604) 253-3158

Client:

MacGregor, R.A.

28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Submitted By: Receiving Lab:

R.A. MacGregor

Received:

Canada-Vancouver

April 30, 2019

Report Date:

May 13, 2019

Page:

1 of 2

CLIENT JOB INFORMATION

Project: None Given Shipment ID: P.O. Number Number of Samples: 15

SAMPLE DISPOSAL

IMM-PLP

Return immediately after analysis

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure	Number of	Code Description	Test	Report	Lab
Code	Samples		Wgt (g)	Status	
BAT01	1	Batch charge of <20 samples			VAN
SLBHP	15	Sorting, labeling and boxing samples received as pulps			VAN
LF302	15	LiBO2/Li2B4O7 fusion ICP-ES analysis	0.2	Completed	VAN

ADDITIONAL COMMENTS

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

Invoice To:

MacGregor, R.A.

28 Ford St.

Sault Ste. Marie Ontario P6A 4N4

Canada

CC:



BUREAU MENERAL LABORATORIES
VERITAS (1980)

www.bureauveritas.com/um

Client:

MacGregor, R.A.

28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project: Report Date: None Given May 13, 2019

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

2000

2 of 2

t: 1 of

												Page:		2 OT 2	:				Pa	art: 1	of 2
																177			3.6		
	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300												
	Analyte	SiO2	AI2O3	Fe2O3	MgO	CaO	Na2O	K2O	TIO2	P2O6	MnO	Cr2O3	Ba	Ni	Sr	Zr	Υ	Nb	Sc	LOI	Sum
	Unit	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	6	20	2	5	3	6	1	-5.1	0.01
WR411	Rock Pulp	69.23	13.92	3.88	0.99	1.73	3.23	5,32	0.34	0.20	0.07	0.055	1226	<20	369	406	91	40	4	0.7	99,94
WR412	Rock Pulp	66.32	13.86	7.32	0.94	1.49	3.78	4.09	0.61	0.08	80.0	0.041	500	<20	168	1045	79	41	3	1.0	99.87
WR413	Rock Pulp	53.71	7.27	20,68	0.50	10.80	5.42	0.38	0.21	0,01	0.72	0.009	114	<20	230	1974	270	1078	<1	-0.4	99.82
WR414	Rock Pulp	53.98	24.05	6.25	2.05	0.13	0.09	7.95	0.91	0.09	0.03	0.034	860	91	19	162	30	14	25	4.2	99.91
WR415	Rock Pulp	61.78	19.08	4.78	1.66	0.10	1.56	7.07	0.72	0.03	0.01	0.022	1162	32	56	571	21	19	13	2.9	99.93
WR416	Rock Pulp	62.17	18 57	5.46	1.90	0.19	2.62	5.26	0.73	0.09	0.02	0.026	933	35	71	475	21	14	14	2.7	99.92
WR417	Rock Pulp	65,28	17.64	5.20	1.56	0.13	0.08	8.13	0.81	0.10	0.03	0.048	656	76	19	160	23	20	18	2.9	99.90
WR418	Rock Pulp	54.95	23.41	8.78	1.92	0.16	0.09	7.25	0.99	0.13	0.03	0.034	648	106	19	167	33	13	28	4.0	99.88
WR419	Rock Pulp	82.20	8.22	1.46	0.11	0.04	0.07	5.25	0.92	0.20	<0.01	0.029	842	<20	25	262	79	61	3	0.9	99,60
WR420	Rock Pulp	62.18	11.71	10.78	3.88	1.65	2.66	0.28	1.39	0.18	0.06	0.026	42	41	94	176	22	13	22	5.0	99.88
WR421	Rock Pulp	54.34	22.58	7,84	2.09	0.17	0.07	7.27	0.98	0.14	0.04	0.033	702	118	20	163	36	11	29	4.2	99.90
WR422	Rock Pulp	52.98	21.68	10.38	2.69	0.21	0.07	6.00	1.15	0.16	0.06	0.032	624	94	19	177	36	13	31	4.4	99.88
WR423	Rock Pulp	54.24	22.85	7.82	2.11	0.16	0.08	7.04	0.97	0.13	0.04	0.033	704	119	20	165	37	16	29	4.3	99.88
WR424	Rock Pulp	56.97	22.34	6.02	2.39	0.19	0.46	6.31	0.90	0.10	0.03	0.035	634	81	33	162	28	15	25	4.0	99.87
WR425	Rock Pulp	38.34	13.04	11.22	9.02	7.28	5.34	0,22	0.80	0.37	0.11	0.066	115	157	482	134	21	<5	24	14.0	99 90



PHONE (604) 253-3158

BUREAU MINERAL LABORATORIES VERITAS LABORATORIES

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

www.bureauveritas.com/um

Client:

MacGregor, R.A.

28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project:

None Given

Report Date:

May 13, 2019

Page:

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Part: 2 of 2

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Bureau Veritas Commodities Canada Ltd.

WANESHIELDS

	Method	TC000	TC000
	Analyte	TOT/C	TOT/S
	Unit	%	%
	MDL	0.02	0.02
WR411	Rock Pulp	0.08	<0.02
WR412	Rock Pulp	0.11	0.07
WR413	Rock Pulp	0.05	<0.02
WR414	Rock Pulp	0.08	0.17
WR415	Rock Pulp	0.04	0.11
WR416	Rock Pulp	0.06	0.13
WR417	Rock Pulp	0.08	0.27
WR418	Rock Pulp	0.05	0.57
WR419	Rock Pulp	<0.02	0.68
WR420	Rock Pulp	0.60	1.69
WR421	Rock Pulp	0.06	0.73
WR422	Rock Pulp	0.03	0.74
WR423	Rock Pulp	0.05	0.73
WR424	Rock Pulp	0.11	0.25
WR425	Rock Pulp	3.42	4.32



MINERAL LABORATORIES

www.bureauveritas.com/um

Procedure

AQ115-IGN

Code

SLBHP

Number of

Samples

18

18

ADDITIONAL COMMENTS

Bureau Veritas Commodities Canada Ltd. 9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada PHONE (604) 253-3158

Client:

MacGregor, R.A.

28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Submitted By:

R.A. MacGregor

Receiving Lab: Received:

Canada-Vancouver October 09, 2018

Report Date:

October 22, 2018

Page:

Code Description

1 of 2

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Sorting, labeling and boxing samples received as pulps

Ignite samples, acid digest, Au by ICP-MS

CLIENT JOB INFORMATION

None Given

Project: Shipment ID:

P.O. Number

Number of Samples:

23

SAMPLE DISPOSAL

IMM-PLP

Return immediately after analysis

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

Invoice To:

MacGregor, R.A.

28 Ford St.

Sault Ste. Marie Ontario P6A 4N4

Canada

CC:

Test

Wat (a)

Report

Status

Completed

Lab

VAN

VAN

This 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. All results are considered the confidential property of the client. Bureau Veritas assurines the liabilities for actual cost of analysis only. Results apply to samples as submitted.



PHONE (604) 253-3158

FURFAU MINERAL LAGORATORIES

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

Bureau Veritas Commodities Canada Ltd.

www.bureauveritas.com/um

Client:

MacGregor, R.A. 28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project:

None Given

Report Date:

October 22, 2018

Page:

2 of 2

Part:

1 of 1

	Method	AQ115
	Analyte	Au
	Unit	ppb
	MDL	0.5
A331	Pulp	15.6
A332	Pulp	11.7
A333	Pulp	11,6
A334	Pulp	8.3
A335	Pulp	1.3
A336	Pulp	1.4
A337	Pulp	2.4
A338	Pulp	1.3
A339	Pulp	2.3
A340	Pulp	19.8
A341	Pulp	<0.5
A342	Pulp	<0.5
A343	Pulp	9.9
A344	Pulp	3.1
A345	Pulp	L.N.R.
A346	Pulp	L.N.R.
A347	Pulp	L.N.R.
A348	Pulp	L.N.R.
A349	Pulp	LNR.
A350	Pulp	9.1
A351	Pulp	4.8
A352	Pulp	17.5
A353	Pulp	12.5



BUREAU MINERAL LABORATORIES

9050 Shaughnessy St. Vancouver British Columbia V6P 6E5 Canada

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Procedure

Code

SLBHP

MA200

Client: MacGregor, R.A.

28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Submitted By:

R.A. MacGregor

Receiving Lab:

Canada-Vancouver October 15, 2018

Received: Report Date:

4 Acid digestion ICP-MS analysis

October 27, 2018

Page:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Code Description

Number of

Samples

191

191

ADDITIONAL COMMENTS

1 of 8

Sorting, labeling and boxing samples received as pulps

Test

0.25

Wgt (g)

Report

Status

Completed

Lab

VAN

VAN

CLIENT JOB INFORMATION

Bureau Veritas Commodities Canada Ltd.

Mone Civer

None Given

Shipment ID:

Project:

P.O. Number

Number of Samples:

191

191

SAMPLE DISPOSAL

PHONE (604) 253-3158

IMM-PLP

Return immediately after analysis

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

Invoice To:

MacGregor, R.A.

28 Ford St.

Sault Ste. Marie Ontario P6A 4N4

Canada

CC:

KERRY JAY
Geothern Project Speciest

This 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. All results are considered the confidential property of the client. Bureau Veritas 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.



MINERAL LABORATORIES

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Client:

MacGregor, R.A.

28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project:

Report Date:

None Given October 27, 2018

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada PHONE (604) 253-3158

Page:

2 of 8

Part: 1 of 3

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Мо	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Ц	Th	Sr	Cd	Sb	BI	٧	Ça	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm							
	MDL	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	0.1
IMA2689	Rock Pulp	0.5	21.3	110.8	375	<0.1	66.9	40.0	1105	15.02	12	6.5	17.9	11	0.8	0.2	0.1	286	0.21	0.085	28.5
IMA2890	Rock Pulp	1.5	6.3	13.2	8	<0.1	6.7	3.3	34	0.89	3	7.1	30,6	50	<0.1	0.1	0.1	15	0.02	0.007	42.3
IMA2891	Rock Pulp	1.7	7.9	236.0	105	<0.1	4.2	7.0	23	0.42	6	66.7	326.8	20	0.6	0.1	0.3	6	0.03	0.035	348.7
IMA2692	Rock Pulp	1.1	53.9	94,4	92	0.1	10.3	5.3	133	0.88	7	2.3	10.1	59	0.3	0.1	0.1	12	0.15	0.004	13.6
IMA2893	Rock Pulp	4.8	9.6	196.0	240	<0.1	6.8	26.0	88	0.56	36	25.2	172.0	29	1.0	0.2	0.3	14	0.19	0.028	229.1
IMA2694	Rock Pulp	1.0	9.0	51.5	199	<0.1	3.6	4.7	37	0.47	5	16.1	97.8	16	1.1	<0.1	<0.1	8	0.08	0.016	113.5
IMA2695	Rock Pulp	2.2	13.6	24.4	14	0.1	6.3	8.1	56	0.45	10	30.7	172.3	21	<0.1	0.2	0.3	10	0.18	0.026	243.0
IMA2696	Rock Pulp	4.9	325.4	138.5	200	0.4	38.9	56.2	184	3.23	65	12.6	57.1	18	1.7	0.2	4.5	97	0.25	0.039	84.4
IMA2697	Rock Pulp	2.0	24.2	89.5	5	<0.1	6.9	5.4	101	0.94	4	84.6	436.6	28	<0.1	<0.1	0.1	10	0.09	0.048	503.2
IMA2698	Rock Pulp	1.2	23.6	96.9	384	<0.1	4.3	3.9	55	0.71	3	55.8	237.9	23	2.3	<0.1	0.2	10	0.07	0.030	309.8
IMA2699	Rock Pulp	2.4	17.8	86.9	3	<0.1	5.7	6.1	141	0.80	4	83.4	469.9	30	<0.1	<0.1	0.1	12	0.19	0.051	533.9
IMA2700	Rock Puip	1.3	9.4	11.7	54	<0.1	6,0	2.9	74	0.42	6	2.6	13.5	13	0.3	<0.1	<0.1	6	0.15	0.004	42.4
IMA2701	Rock Puip	2.9	8.4	47.1	20	≺ 0.1	6.5	3.6	107	0.67	7	21.5	133.7	21	<0.1	0.2	0.4	11	0.20	0.022	258.1
IMA2702	Rock Pulp	2.3	20.6	136.8	196	0.2	8.5	4.8	138	0.70	1	29.4	182.8	27	1.3	<0.1	0.8	12	0.22	0.029	264.7
IMA2703	Rock Pulp	0.5	2.5	1.4	<1	<0.1	4.9	0.5	18	0.21	2	0.6	2.5	29	<0.1	<0.1	<0.1	4	<0.01	0.002	7.9
IMA2704	Rock Pulp	3.1	29.3	185.9	3	<0.1	5.4	6.6	137	0.90	<1	212.5	932.5	32	<0.1	<0.1	0.5	12	0.17	0.092	1013.5
IMA2705	Rock Pulp	1.6	12.1	40.9	3	<0.1	4.5	4.7	48	0.47	3	31.6	173.2	28	<0.1	<0.1	0.1	6	0.08	0.024	192.9
IMA2706	Rock Pulp	7.6	35.0	164.8	23	0.1	5,5	13.3	40	0.74	7	175.1	844.8	30	<0.1	0.2	0.6	13	0.09	0.108	954.3
IMA2707	Rock Pulp	2.5	20.7	60.7	27	<0.1	6.0	5.4	89	0.60	3	49.6	276.8	23	<0.1	<0.1	0.2	9	0.14	0.035	350.7
IMA2708	Rock Pulp	2.7	14.0	73.5	81	<0.1	3.7	17.9	34	0.53	21	33,9	168.3	26	0.3	<0.1	0.2	10	0.07	0.021	230.5
IMA2709	Rock Pulp	2.4	16.2	68.8	99	0.1	9.7	9.7	51	0.62	14	37.0	214.5	18	0.5	0.1	0.2	9	0.09	0.025	202.0
IMA2710	Rock Pulp	2.8	13.6	22.6	46	<0.1	6.2	4.6	39	0.51	9	7.8	46.1	15	0.4	0.2	0.2	7	0.04	0.009	95.2
IMA2711	Rock Pulp	1.0	76.1	16.1	3	<0.1	5.2	2.9	127	0.53	3	6.8	48,8	15	<0.1	<0.1	0.2	11	0.24	800.0	68.9
IMA2712	Rock Pulp	2.4	48.2	22.4	4	<0.1	2.6	1.6	29	0.52	2	39.9	245.5	22	<0.1	<0.1	0.1	14	0.06	0.030	237.4
IMA2713	Rock Pulp	1.9	7.7	110.2	126	<0.1	4.6	7.8	23	0.41	8	19.9	136.0	14	0.7	0.1	0.3	8	0.04	0.021	171.5
IMA2714	Rock Pulp	1.9	3.7	44.1	30	<0.1	3.9	3.8	20	0.38	3	6.4	34.0	14	<0.1	<0.1	0.1	7	0,03	800.0	51.0
IMA2715	Rock Pulp	3.3	37.6	46.4	247	0.2	8,1	21.3	27	0.56	25	95.5	622.4	26	1.5	0.2	1.1	9	0.08	0.072	704.9
IMA2716	Rock Pulp	2.2	8.2	18,4	32	0.2	26.7	59.0	41	3.12	129	36.7	171.4	17	<0.1	0.5	0.3	7	0.03	0.020	207.6
IMA2717	Rock Pulp	2.0	17.7	13.1	11	<0.1	5.5	7.7	17	0.37	13	30.5	175,7	21	<0.1	0.1	0.3	6	0.04	0.025	228.0
IMA2718	Rock Pulp	1.9	12.3	77.5	87	<0.1	8.1	5.8	129	0.60	7	25.3	135,4	20	0.4	<0.1	0.2	8	0.24	0.016	145.7



BUREAU MINERAL LARGRATORIES VERITAS DE LA

www.bureauveritas.com/um

Client:

MacGregor, R.A. 28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project:

None Given

Report Date:

October 27, 2018

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Page:

2 of 8

Part: 2 of 3

	Method	MA200	MA200	MA200	MA200	MA200	MA200														
	Analyte	Cr	Mg	Ba	Τį	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	8	Rb	Hf
	Unit	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm							
	MDL	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	0.1
IMA2689	Rock Pulp	105	4.14	76	0.737	7,96	0.155	0.63	0.6	163.3	60	0.7	14.2	6.1	0.5	1	30	51.2	<0.1	41.7	4.3
IMA2690	Rock Pulp	74	0.27	1295	0.113	5.90	0.071	3.64	0.4	115.6	76	1.7	5.5	8.2	0.7	2	2	13.3	<0.1	121.8	3.1
IMA2691	Rock Pulp	77	0.06	683	0.101	2.82	0.045	3.09	0.4	87.8	676	1.3	28.7	11.1	1.2	1	2	3,2	0.1	112.1	2.5
IMA2692	Rock Pulp	103	0.21	679	0.057	4.42	1,499	2.53	0.3	55.2	26	0.6	2.3	2.7	0.3	<1	2	5.9	<0.1	81.1	1.5
IMA2693	Rock Pulp	95	0.14	1077	0.303	3.77	0.069	3,06	0.8	155.4	434	1.7	20.2	26.5	2.9	<1	2	4.5	<0.1	158.4	4.6
IMA2694	Rock Pulp	59	0.10	615	0.100	2.87	0.040	2,90	0.4	102.8	203	1.1	10.2	8.9	0.8	<1	1	2.5	<0.1	122.4	2.8
IMA2695	Rock Pulp	125	0.07	841	0.142	3,69	0.048	2.86	1.1	147.6	437	1.3	16.7	13.5	1.4	<1	2	2.4	<0.1	113.8	4.0
IMA2696	Rock Pulp	102	1.49	280	0.143	4.58	0.608	1.98	0.8	127.1	158	2.1	11.6	3.9	0.3	2	13	17.3	0.2	130.4	3.6
IMA2697	Rock Pulp	135	0.13	644	0.259	3.28	0.048	3.21	0.5	135.9	956	1.4	37.6	23.1	2.6	<1	2	4.3	0.1	139.7	4.1
IMA2698	Rock Pulp	81	0.13	705	0.095	3.37	0.043	3.32	0.2	106.3	531	1.0	24.7	11.2	1.2	<1	1	2.7	<0.1	133.6	2.7
IMA2699	Rock Pulp	93	0,11	705	0.218	3.53	0.098	3.19	0.9	122.8	916	1.3	37.9	23.9	2.6	<1	2	4.6	<0.1	117.3	
IMA2700	Rock Pulp	48	0.14	623	0.028	2.96	0.039	3,15	0,4	51.3	74	0.4	2.6	2.0	0.2	<1	1	1.4	<0.1	114.2	1.4
IMA2701	Rock Pulp	128	0.09	684	0.153	3,12	0.044	3.66	1.7	118.6	481	1.0	15.8	14.7	1.6	1	2	2.1	0.2	128.4	3.3
IMA2702	Rock Pulp	60	0.15	829	0.194	3.43	0.056	3,44	0.9	137.7	507	1.2	19.3	21.6	2.3	<1	2	3.8	<0.1	138,7	3.9
IMA2703	Rock Pulp	111	<0.01	25	0.008	1.51	0.198	0.33	0.1	25.7	15	0.2	0.9	0,5	<0.1	<1	<1	0.4	<0.1	10.6	
IMA2704	Rock Pulp	88	0.09	677	0.319	3.23	0.108	2.77	1.1	127.6	1839	1.3	69.7	33.2	4.2	2	2	4.9	<0.1	101.D	
IMA2705	Rock Pulp	85	0.07	450	0.136	3.48	1.332	2.58	0.5	117.2	349	0.9	16.6	12.2	1.4	<1	1	2.5	<0.1	91.2	
IMA2706	Rock Puip	56	0.11	856	0.234	4.21	0.096	3.67	1.3	171.6	1696	2.5	66.9	26.0	3,0	2	3	5.2	0,2	161.3	
IMA2707	Rock Pulp	114	0.12	924	0.142	3.43	0.052	3.02	0.8	109.9	641	1.2	27.0	15.1	1.6	2	1	4.1	<0.1	119.3	
IMA2708	Rock Pulp	45	0.15	1017	0.125	4.87	0.068	3.48	1.1	123.3	400	2.1	17.0	10.6	1.1	1	2	5.9	<0.1	137.6	
IMA2709	Rock Pulp	144	0.15	615	0.115	2.65	0.038	2.64	1.3	112.9	365	0.8	18.6	10.5	1.1	<1	2	1.9	0.1	98.1	3.1
IMA2710	Rock Pulp	103	0.12	632	0.073	2.81	0.037	2.66	0.8	77.8	171	0.6	5.6	6.3	0.6	<1	1	1.7	<0.1	99.6	
IMA2711	Rock Pulp	142	0.15	611	0.073	2.67	0.037	3.08	0.4	74 1	126	1.1	6.0	7.2	0.7	<1	2	2.2	<0.1	120.2	
IMA2712	Rock Pulp	50	0.14	870	0.176	4.43	0.072	3.05	0.7	197.5	485	3.5	22.5	13.8	1.6	1	3	5,9	<0.1	152.5	
IMA2713	Rock Pulp	68	0.10	542	0.234	2.99	0.057	3.21	0.5	103.7	318	2.2	14.1	19.5	2.2	1	2	3.5	<0.1	151.7	3.0
IMA2714	Rock Pulp	85	0.10	601	0.083	3,52	0.051	3.18	0.3	82.4	89	1.9	4.5	5.4	0.6	1	2	3.5	<0.1	161.0	
IMA2715	Rock Pulp	70	0.07	756	0.200	3.40	0.045	2.83	0.8	184.1	1356	1,2	47.3	21.3	2.4	1		3.8	0.1	111.2	
IMA2716	Rock Pulp	242	0.05	112	0.084	2.91	0.063	3.52	0,9	100.4	397	0.9	16.1	7.9	0.9		2	2.1	3.1	139.8	
IMA2717	Rock Pulp	48	0.04	807	0.101	3.20	0.046	3.03	0.7	106.3	415	0.5	14.6	9.3	1.0	<u>'</u> . <1		1.2	0.2	116.5	
IMA2718	Rock Pulp	119	0.25	787	0.112	3,60	0.046	2.93	0.6	96.2	281	1.1	14.2	10.0	1.0	1		3.5	<0.1	126.3	~~

This 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.



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada PHONE (604) 253-3158

Client:

MacGregor, R.A.

28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project:

None Given

Report Date:

October 27, 2018

Page:

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Part: 3 of 3

	Method	MA200		MA200	MA200	MA200
	Analyte	ln	Re	Se	Te	TI
	Unit	ppm	ppm	ppm	ppm	ppm
	MDL	0.05	0.005	1	0.5	0.5
IMA2689	Rock Pulp	0.07	<0.005	<1	<0.5	<0.5
IMA2690	Rock Pulp	<0.05	<0.005	<1	<0.5	1.0
IMA2691	Rock Pulp	<0.05	<0.005	1	<0.5	0.6
IMA2692	Rock Pulp	<0.05	<0.005	<1	<0,5	0.5
IMA2693	Rock Pulp	<0.05	<0.005	<1	<0.5	1.2
IMA2694	Rock Pulp	<0.05	<0.005	<1	<0.5	0.7
IMA2695	Rock Pulp	<0.05	<0.005	<1	<0.5	0,8
IMA2696	Rock Pulp	<0.05	<0.005	<1	<0.5	0.6
IMA2697	Rock Pulp	<0.05	<0.005	<1	<0.5	0.8
IMA2698	Rock Pulp	<0.05	<0.005	<1	<0,5	0.9
IMA2699	Rock Pulp	<0.05	<0.005	<1	<0.5	0.6
IMA2700	Rock Pulp	<0.05	<0.005	<1	<0.5	0.6
IMA2701	Rock Pulp	<0.05	<0.005	<1	<0.5	0.7
IMA2702	Rock Pulp	<0.05	<0.005	1	<0.5	0.6
IMA2703	Rock Pulp	<0.05	<0.005	<1	<0.5	<0.5
IMA2704	Rock Pulp	<0.05	<0.005	<1	<0.5	0.6
IMA2705	Rock Pulp	<0.05	<0.005	<1	<0.5	<0.5
IMA2706	Rock Pulp	<0.05	<0.005	<1	<0.5	1.0
IMA2707	Rock Pulp	<0.05	< 0.005	1	<0.5	0.8
IMA2708	Rock Pulp	<0.05	<0.005	<1	<0.5	1.0
IMA2709	Rock Pulp	<0.05	<0.005	<1	<0.5	0.6
IMA2710	Rock Pulp	<0.05	<0.005	1	<0.5	0.8
IMA2711	Rock Pulp	<0.05	0.007	<1	<0.5	0.7
IMA2712	Rock Pulp	0.06	0.005	1	<0.5	1.1
IMA2713	Rock Pulp	<0.05	<0.005	<1	<0.5	0.8
IMA2714	Rock Pulp	<0.05	0.005	<1	<0.5	0.9
IMA2715	Rock Pulp	<0.05	<0.005	<1	<0.5	0.6
IMA2716	Rock Pulp	<0.05	<0.005	2	<0.5	0.7
IMA2717	Rock Pulp	<0.05	<0.005	<1	<0.5	0.8
IMA2718	Rock Pulp	<0.05	<0.005	1	<0.5	0.9



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Client:

MacGregor, R.A. 28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project:

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

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			TORUS PARAMENT			604.4658	10 24 20 20 20 CO	N BHFOGURASIA	5000 PSI-01015	and and a	eviewent en	raye.		3 (1)		ČINJOKSKE MANAZI	aced total sections and	90000000000000000000000000000000000000		III. Estério de la composição	OI 3
	2 m																				
	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA
	Analyte	Мо	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	ВІ	V	Ca	P	
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	þ
	MDL	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	
IMA2719	Rock Pulp	2.6	13.8	37.3	4	<0.1	4.2	4.1	122	0.73	5	16.5	85.4	20	<0.1	<0.1	0.1	8	0.08	0.010	1
IMA2720	Rock Pulp	4.3	108.7	105.2	80	0.2	13. 5	23.9	46	0.82	16	86.0	417.2	23	0.4	0.2	0.6	14	0.09	0.052	4
IMA2721	Rock Pulp	3.0	16.5	57.6	10	0.1	8.4	9.0	142	0.90	7	139,6	956.8	32	<0.1	0.2	0.3	14	0.20	0.104	12
IMA2722	Rock Pulp	3.3	16.9	71.5	6	<0.1	7.1	5.8	130	0.88	4	27.6	154.3	29	<0.1	<0.1	0.2	11	0.09	0.016	1
IMA2723	Rock Pulp	2.9	12.7	12.8	19	0.2	13.4	25.6	15	1.00	47	12.6	124.3	18	<0.1	0.2	0.2	9	0.02	0.024	2
IMA2724	Rock Pulp	5.7	31.6	158.3	12	<0.1	9.8	8.3	85	0.84	4	132.8	710.1	26	<0.1	0.2	0.5	14	0.16	0.081	8
IMA2725	Rock Pulp	3.3	13.5	36.2	2	<0.1	7.6	6.1	69	0.76	6	61.2	354.0	25	<0.1	0.1	0.3	8	0.18	0.042	4
IMA2728	Rock Pulp	3.0	43.7	15.6	4	<0.1	7.9	10.4	39	0.42	12	74.2	401.0	23	<0.1	0.2	0.7	15	0.12	0.061	4
IMA2727	Rock Pulp	1.7	4.8	34.0	38	<0.1	4.2	2.6	48	0.37	1	17.6	124.1	20	0.2	<0.1	<0.1	8	0.06	0.019	1
IMA2728	Rock Pulp	2.0	55.5	18.8	46	0.1	13.2	13.4	148	0.59	10	70.0	450.5	24	0.2	0.3	0.9	12	0.49	0.063	6
MA2729	Rock Pulp	7.3	80.8	51.0	7	<0.1	4.6	8.3	106	0.72	8	48.9	251.7	24	<0.1	0.1	1.2	13	0.06	0.031	2
IMA2730	Rock Pulp	2.2	21.8	66.7	5	<0.1	5.8	4.7	105	0.91	1	51.0	278.4	29	<0.1	<0.1	0.2	12	0.11	0.039	2
IMA2731	Rock Pulp	2.8	48.1	61.5	35	0.1	17.9	10.5	291	2.48	2	39.5	53.2	24	<0.1	0.2	0.7	64	0.28	0.017	
IMA2732	Rock Pulp	1.3	12.8	14.8	3	<0.1	6.0	4.3	24	0.37	4	29.2	161.0	18	<0.1	0.1	0.4	19	0.03	0.021	1
IMA2733	Rock Pulp	2.8	1.7	12.8	4	<0.1	4.6	4.3	12	0.26	8	0.1	46.9	17	<0.1	<0.1	0.1	6	<0.01	0.006	
IMA2734	Rock Pulp	2.4	9.6	18.1	9	<0.1	4.5	5.2	84	0.62	5	16.5	92.4	25	<0.1	0.1	0.1	11	0,10	0.012	- ` 1
IMA2735	Rock Pulp	2.4	63,0	7.1	2	<0.1	4.9	2.2	26	0.31	2	3.1	9,1	20	<0.1	<0.1	0.5	13	0.06	0.017	
IMA2736	Rock Pulp	3.9	2.7	10.6	3	<0.1	3.8	3.5	11	0.24	5	17.5	102.9	17	<0.1	<0.1	0.2	11	0.02	0.013	
IMA2737	Rock Pulp	10.8	28.9	49.2	53	<0.1	9.2	6.1	146	1.64	<1	12.1	64.6	62	0.2	0.1	0.3	23	0.15	0.014	
IMA2738	Rock Pulp	1,4	5,7	11.1	4	<0.1	5.8	2.1	40	0.52	2	16.3	106.7	15	<0.1	<0.1	0.2	11	0.02	0.015	1
IMA2739	Rock Pulp	0.7	11.4	13.7	18	<0.1	16.3	6.7	250	1.54	<1	1,7	4.8	81	<0.1	0.1	0.1	33	0.40	0.018	
IMA2740	Rock Pulp	1.4	38.3	126.6	81	0,1	9,3	3,1	136	1.05	3	3.1	10.7	19	0.5	0.2	0.2	17	0.04	0.003	
IMA2741	Rock Pulp	1.0	19.0	6.5	3	<0,1	7.1	3.7	41	0.54	7	1.9	7.2	17	<0.1	0.1	0.5	9	0.06	0.006	
IMA2742	Rock Pulp	1.7	3.8	107.9	5	<0.1	5.1	2.3	26	0.38	1	66.0	246.3	18	<0.1	<0.1	0.2	14	0.02	0.028	2
MA2743	Rock Pulp	3.5	12.4	125.9	15	<0.1	7.3	5.2	30	0.49	2	107.7	610.9	23	<0.1	0,1	0.5	19	0.04	0.074	···· -
IMA2744	Rock Pulp	2.3	7.1	18.8	5	<0.1	8.2	2.3	75	0.54	2	15.1	64.0	30	<0.1	<0.1	0.1	14	0.09	0.012	=
IMA2745	Rock Pulp	0.6	2.7	1.0	2	<0.1	4.1	0.6	18	0.15	<1	0.7	2.6	2	<0.1	<0.1	<0.1	2	0.01	0.001	
IMA2746	Rock Pulp	4.9	880.5	29.4	13	0.2	12.3	7.6	57	0.92	1	44.9	248.9	22	<0.1	0.1	0.2	17	0.06	0.029	2
IMA2747	Rock Pulp	2.5	19.8	119.4	5	<0.1	4.4	7.7	173	0.91	<1	130.6	618.3	39	<0.1	<0.1	0.2	15	0.19	0.071	
IMA2748	Rock Pulp	3.6	38.8	73.0	35	<0.1	17.4	12.5	223	1.86		93.4	433.2	42	<0.1	<0.1	0.4	39	0.23	0.063	



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MacGregor, R.A. 28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

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Part: 2 of 3

	Method	MA200	MA200	MA200	MA200	MA200	MA20														
	Analyte	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Υ	Nb	Ta	Be	Sc	Li	S	Rb	Н
	Unit	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppn							
	MDL	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	0.
IMA2719	Rock Pulp	119	0.10	803	0.085	3.46	0.062	2.46	1.9	101.0	193	1.0	7.5	8.0	8.0	<1	2	2.2	<0.1	101.6	3.
IMA2720	Rock Pulp	126	0.20	594	0.182	2.68	0.037	2.58	0.3	100.6	773	0.9	38.5	17.6	1.8	<1	3	4.5	0.2	100.5	3.
IMA2721	Rock Pulp	100	0.14	781	0.238	3.12	0.044	3.36	1.4	149.8	>2000	1.7	86.9	29.3	3.5	2	3	6.5	0.3	140.4	4.
MA2722	Rock Pulp	165	0.14	810	0.145	3.68	0.076	4.19	0.3	134.9	278	1,1	15.8	14.4	1.5	<1	1	3.2	0.1	165.7	4.
MA2723	Rock Pulp	86	0.09	221	0.070	3.41	0.053	4.23	0.5	83.8	425	1.1	12.1	6.2	0.7	<1	2	3.4	0.7	168.3	2.
MA2724	Rock Pulp	146	0.16	731	0.398	3.51	0.060	3.33	1.6	243.3	1467	2.1	75.7	40.2	4.6	1	2	5.5	0.1	156.4	6.
MA2725	Rock Pulp	95	0.16	698	0.216	3.04	0.045	3.38	0.6	150.2	781	1.0	37.0	19.1	1.5	<1	2	3.8	0.1	143.7	4,
MA2726	Rock Pulp	108	0.05	716	0.376	3.15	0.047	3.18	1.7	248.5	822	1.3	37.4	38.1	4.4	<1	1	3.0	<0.1	142.7	7.
MA2727	Rock Pulp	76	0.07	774	0.181	3.03	0.043	2.82	0.5	102.2	267	1.1	12.6	15.5	1.7	<1	1	2.1	<0.1	163.1	2.
MA2728	Rock Pulp	174	0.16	755	0.237	3,34	0.051	2.80	1.1	163.8	1143	0.9	43.3	23.8	2.7	<1	2	2.2	<0.1	111.9	4.
MA2729	Rock Pulp	72	0.11	808	0.135	3.44	0.069	3.07	2.0	93.1	553	1.4	26.0	13.6	1.6	<1	2	3.8	<0.1	122.7	2.
MA2730	Rock Pulp	139	0.09	688	0.319	3.04	0.066	2.56	0.6	146.6	529	1.0	26.4	27.5	3.4	<1	1	3.8	0.1	132.0	3.
IMA2731	Rock Pulp	125	0.51	675	0,146	4.45	0.339	2.82	0,9	175.9	115	2.3	10.5	6,5	0.5	1	6	15.6	0.3	188.3	5.0
MA2732	Rock Pulp	83	0.07	608	0.153	3.88	0.165	3.13	0.6	102.2	350	1.6	17.6	12.7	1.4	1	2	3.3	<0.1	154.7	2.
IMA2733	Rock Pulp	- 53	0.01	602	0.050	2.61	0.051	3.42	0.4	56.4	84	0.5	3.7	3.9	0.4	<1	<1	0,7	0,1	132.9	1,
IMA2734	Rock Pulp	117	0.16	964	0.121	4,36	0.063	4.34	0.6	103.7	191	2.2	11.1	10.3	1.1	1	2	8,1	<0.1	173.9	2.
IMA2735	Rock Pulp	73	0.03	414	0.018	1.68	0.030	2.33	0.4	42.7	15	0.3	1.9	1.4	0.1	<1	<1	0.6	<0.1	74.4	1.
IMA2736	Rock Pulp	59	0.02	647	0.092	2.88	0.050	3.43	0.6	104.3	179	0.7	9.0	7.0	0.8	<1	<1	1.1	<0.1	152.4	2.
MA2737	Rock Pulp	67	0.30	1037	0.155	5.80	1,386	3,10	0,4	99.6	135	1.5	9,1	12.3	1.3	<1	2	9,3	<0.1	125.1	2.
MA2738	Rock Pulp	200	0.07	466	0.137	3.87	0.041	3.25	0.4	107.8	217	1.6	12.2	10.4	1.1	<1	1	3.1	<0.1	148.5	3.
IMA2739	Rock Pulp	108	0.84	245	0.074	4.73	2.349	1.46	0.7	60.9	26	1.0	2.9	1.5	0,1	<1	4	10.8	<0.1	74.1	1,
IMA2740	Rock Pulp	155	0.16	408	0.038	2.05	0.028	2.26	0.3	73.8	34	0.5	2.4	1.8	0.2	<1	2	3.9	<0.1	82.0	2
MA2741	Rock Pulp	105	0.05	418	0.017	1.70	0.032	2.34	0.3	39.1	18	0.4	1.5	1.2	0.1	<1	<1	1.0	0.3	76.1	1.
MA2742	Rock Pulp	117	0.06	450	0.191	4.53	0.075	2.86	0.2	184,3	472	1.6	26.5	13.8	1.6	1	2	7.0	<0.1	144.0	5.
MA2743	Rock Pulp	131	0.06	552	0.394	4.33	0.056	3.03	0.4	227.0	1229	2.2	53.9	36.8	4.9	1	2		<0.1	152.2	6.
MA2744	Rock Pulp	213	0.09	367	0,115	3.98	0.525	2.45	0.3	130.1	143	1.3	7.5	7.1	0.8	<1	2	2.1	<0.1	127.8	3.
MA2745	Rock Pulp	98	<0.01	8	0.004	0.22	0.067	0.08	<0.1	15.2	9	<0.1	0.7	0.1	<0.1	<1		0.2	<0.1	2.1	0.
MA2746	Rock Pulp	234	0.14	800	0.186	4.18	0.085	3.73	1.0	181.4	437	3.5	24,3	14.7	1,6	2			0.3	192.4	5.
MA2747	Rock Pulp	93	0.10	812		3.73	0.396	2.99	0.9	173.1	1240	1.2	45.4	31.2	3.8			4.4	0.1	96.6	4.
MA2748	Rock Pulp	166	0.34	773	0.389	4.31	0.698	2.33	1.0	324.2	975	1.4	51.2	27.3	3.2			8.4	0.1	120.9	8.



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None Given

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October 27, 2018

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Sault Ste. Marie Ontario P6A 4N4 Canada

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	Method	MA200	MA200	MA200	MA200	MA200
	Analyte	In	Re	Se	Te	T
	Unit	ppm	ppm	ppm	ppm	ppm
	MDL	0.05	0.005	1	0.5	0.6
IMA2719	Rock Pulp	<0.05	<0.005	<1	<0.5	0.8
IMA2720	Rock Pulp	<0.05	<0.005	1	<0.5	0.6
IMA2721	Rock Pulp	<0.05	<0.005	3	<0.5	0.8
IMA2722	Rock Pulp	<0.05	<0.005	<1	<0.5	1.0
IMA2723	Rock Pulp	<0.05	<0.005	<1	<0.5	0,8
IMA2724	Rock Pulp	<0.05	<0.005	<1	<0.5	0.8
IMA2725	Rock Pulp	<0.05	<0.005	<1	<0.5	0.7
IMA2726	Rock Pulp	<0.05	< 0.005	1	<0.5	0.7
IMA2727	Rock Pulp	<0.05	<0.005	<1	<0.5	0.9
IMA2728	Rock Pulp	<0.05	<0.005	<1	<0.5	0.8
IMA2729	Rock Pulp	<0.05	<0.005	<1	<0.5	0.9
IMA2730	Rock Pulp	<0.05	<0.005	<1	<0.6	0.8
IMA2731	Rock Pulp	<0.05	<0.005	<1	<0.5	0.8
IMA2732	Rock Pulp	<0.05	<0.005	<1	<0.5	0.8
IMA2733	Rock Pulp	<0.05	<0.005	<1	<0.5	0.6
IMA2734	Rock Pulp	<0.05	<0.005	1	<0.5	0.8
IMA2735	Rock Pulp	<0.05	<0.005	<1	<0.5	<0.5
IMA2736	Rock Pulp	<0.05	<0.005	<1	<0.5	0.6
IMA2737	Rock Pulp	<0.05	<0.005	<1	<0.5	0.9
IMA2738	Rock Pulp	<0.05	<0.005	<1	<0.5	0.7
IMA2739	Rock Pulp	<0.05	<0.005	<1	<0.5	<0.8
IMA2740	Rock Pulp	<0.05	<0.005	<1	<0.5	<0.6
IMA2741	Rock Pulp	<0.05	<0.005	<1	<0.5	<0.5
IMA2742	Rock Pulp	<0.05	<0.005	<1	<0.5	0.7
IMA2743	Rock Pulp	<0.05	<0.005	1	<0.5	0.7
IMA2744	Rock Pulp	<0.05	<0.005	<1	<0.5	0.6
IMA2745	Rock Pulp	<0.05	<0.005	<1	<0.5	<0.5
IMA2746	Rock Pulp	0.15	<0.005	1	<0.5	1.3
IMA2747	Rock Pulp	<0.05	<0.005	1	<0.5	0.7
IMA2748	Rock Pulp	<0.05	<0.005	<1	<0.5	0.7



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VERITAS (1997)

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MacGregor, R.A. 28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project:

Client:

None Given

Report Date:

October 27, 2018

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

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Page:

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Part: 1 of 3

	ATEGEAL	4.														V		6.82	37	1	
	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200									
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	Aa	U	Th	Sr	Cd	8b	ы	v	Ca	P	La
	Unit	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm							
	MDL	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	0.1
IMA2749	Rock Pulp	5.1	11.0	407.6	100	<0.1	8.5	10.6	71	1.14	4	341.5	1114.6	34	0.6	0.2	8.0	31	0.16	0.133	1518.9
IMA2750	Rock Pulp	6.6	71.5	389.7	12	0.1	15.4	21.0	171	1.51	9	351.2	1542.5	27	<0.1	0.2	0.8	21	0.19	0.153	1525.8
IMA2751	Rock Pulp	9.0	2.7	2.7	2	<0.1	5.9	1.1	30	0.33	<1	1.4	6.4	26	<0.1	<0.1	<0.1	5	0.01	0.001	17.7
IMA2752	Rock Pulp	1.7	2.5	11.6	3	<0.1	3.9	1.7	34	0.44	1	4.3	30.4	24	<0.1	<0.1	<0.1	12	0.04	0.007	101.3
IMA2753	Rock Pulp	4.9	18.8	94.1	51	<0.1	5.6	5.7	99	0.69	2	38.6	206.2	24	0.1	0.2	<0.1	10	0.08	0.024	242.8
łMA2754	Rock Pulp	1.4	9.2	15.9	10	<0.1	3.3	3.3	63	0.52	3	11.0	57. 6	15	<0.1	<0.1	0.1	11	0.12	0.010	68.5
IMA2755	Rock Pulp	2.5	2,6	74.2	48	<0.1	3.4	1.7	51	0.78	1	64.0	353.4	11	<0.1	0.2	0.1	19	0.02	0.042	334.6
IMA2756	Rock Pulp	1.1	41.3	18.9	367	<0.1	11.5	10.3	66	0.41	10	68.0	480.7	26	2.5	0.2	0.6	10	0.18	0.069	681.6
IMA2757	Rock Pulp	0.6	2.4	1.7	<1	<0.1	5.1	0.6	20	0.24	<1	1.8	4.8	30	<0.1	<0.1	<0.1	4	<0.01	0.002	10.4
IMA2758	Rock Pulp	2.0	32.4	30.4	9	<0.1	13.6	8.5	184	1.42	2	15.8	80.2	34	<0.1	<0.1	0.2	24	0.17	0.017	116.2
IMA2759	Rock Pulp	5.7	46.2	953.5	231	0.4	17.0	45.8	68	1.10	27	1120.0	>4000	48	1.2	0.1	1.9	8	0.23	0.372	>2000
IMA2780	Rock Pulp	4.4	15.6	43.0	65	0.1	7.8	7.0	41	0.65	7	43.0	291.8	25	0.2	0.1	0.3	9	0.07	0.037	354.5
IMA2761	Rock Pulp	8.0	20.1	935.3	190	0.8	12.9	44.0	32	0.93	30	1200.6	3802.5	42	1.2	0.2	2.9	12	0.14	0.310	>2000
IMA2762	Rock Pulp	3.2	16.9	84.1	166	0.1	5.5	14.2	58	0.76	13	89.7	481.2	31	0.7	0.1	0.2	11	0.13	0.057	502.6
IMA2763	Rock Pulp	2.5	6.6	77.0	80	<0.1	6.6	2.5	38	0.44	1	20.7	154,4	24	0.3	<0.1	<0.1	8	0.05	0.023	236.3
IMA2764	Rock Pulp	2.9	26.8	266.5	443	0.1	5.0	7.9	75	0.81	3	29.7	167.7	26	2.4	<0.1	0.4	11	0.16	0.029	232.0
IMA2785	Rock Pulp	2.2	14.6	44.9	3	<0.1	6.7	4.2	99	0.81	<1	64.6	413.9	26	<0.1	<0.1	0.1	12	0.13	0.050	437.1
IMA2788	Rock Pulp	1.0	7.6	7.3	12	<0.1	4.0	4.6	31	0.31	5	8.0	44.6	15	<0.1	<0.1	<0.1	6	0.05	0.012	97.7
IMA2767	Rock Pulp	8.8	94.9	412.0	249	0.6	16,2	27.0	55	1.13	13	576.0	1145.2	20	0.9	0.1	1.9	16	0.11	0,111	1026.2
IMA2768	Rock Pulp	3.0	9.2	34.3	5	<0,1	8,2	10.8	100	0.83	9	16.2	97.4	28	<0.1	0.1	0.8	10	0.07	0.018	182.2
IMA2769	Rock Pulp	1.2	5.8	364.7	276	<0.1	3.6	8.0	18	0.34	6	53.9	300.8	23	1.4	<0.1	0.2	6	0.05	0.035	360.3
IMA2770	Rock Pulp	4.8	16.1	78.1	5	<0.1	7.5	13.8	118	0.87	11	64.6	330.4	28	<0.1	0.1	2.5	10	0.10	0.043	420.1
IMA2771	Rock Pulp	4.6	62.5	135.9	10	0.3	8.5	14.7	141	1.27	18	257.8	1416.6	32	<0.1	<0.1	3.5	19	0.29	0.160	1475.0
IMA2772	Rock Pulp	6.5	13.4	68.5	5	<0.1	6.7	12.8	115	0.88	7	49.6	318.8	31	<0.1	<0.1	1.0	10	0.11	0.049	446.7
IMA2773	Rock Pulp	2.6	3.1	14.6	3	<0.1	3.6	3.4	22	0.63	3	32.8	205,1	19	<0.1	<0.1	0.1	15	0.03	0.030	216.8
IMA2774	Rock Pulp	13.9	13.5	501.0	13	0.2	8.0	26.0	40	2.01	12	172.4	1492.6	23	<0.1	0.6	1.6	15	0.05	0.358	>2000
IMA2775	Rock Pulp	3.9	18.5	100.7	16	<0.1	8.1	3.1	99	0.66	2	98.3	607.7	26	<0.1	0.1	0.3	16	0.16	0.062	572.8
IMA2776	Rock Pulp	2.5	5.7	18.1	4	<0.1	7.0	5.6	44	0.64	3	50.7	311.5	20	<0.1	<0.1	0.2		0.06	0.040	277.7
IMA2777	Rock Pulp	2.5	6.3	28.1	12	<0.1	4.2	3.8	50	0.52	<u>.</u> 2	18.7	93.4	24	<0.1	<0.1	<0.1	10	0.07	0.012	119.8
IMA2778	Rock Pulp	2.3	13.4	74.4	44	<0.1	8.7	11.2	63	0.71	- 8	10.7	67.9	25	0.3	<0.1	0.4	9	0.11	0.014	157.3



IMA2778

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Rock Pulp

163

0.14

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MacGregor, R.A. 28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project:

Client:

None Given

Report Date:

October 27, 2018

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada PHONE (604) 253-3158

																				e Erec e	
	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA20
	Analyte	Cr	Mg	Ва	Ti	Al	Na	K	W	Zr	Ce	\$n	Y	Nb	Ta	Be	Sc	LI	\$	Rb	н
	Unit	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppr
IMA2749	MDL Rock Pulp	106	0.01	1 1032	0.001	0.01	0.001	0.01	0.1	0,1	. 2222	0.1	0.1	0.1	0.1	1	1	0.1	0.1	0.1	0.
MA2750	Rock Pulp	108	0.31	505	0.355	6.58 2.25	0.070	4.00 2.96	1.2	227.8	>2000	6.7	131.9	36.3	4.2		6	17.9	0.1	213.9	6.
MA2751	Rock Pulp	193	<0.01	20 20	0.010	1.33	0.050	0.29	1.4	164.2 24.8	>2000	1.2	121.9	29.6	3.9	1	3	3.7	0.6	128.3	4:
MA2752	Rock Pulp	104	0.08	922	0.075	4.59	0.233		<0.1 0.7	: : :	31	0.2	1.3	0.6	<0.1	<1	<1 	0.5	<0.1	9.1	0.
IMA2753	Rock Pulp			771	0.078	3.17		3.45		95.2	177	1.5	5.2	5.0	0.5	1	2	4.0	<0.1	172.8	2.i 2.i
MA2754		102	0.09			== ' -	0.090	3.04	0.7	83.9	437	0.8	19.3	13.0	1.5	<1		2.7	<0.1	142.8	
	Rock Pulp	84	0.20	690	0,110	4.17	0.051	3,30	0.5	109.5	126	4.2	7.5	7.1	0.7	2	2	6.1	<0.1	195.4	3.
MA2755	Rock Pulp	126	0.27	321	0.301	3.69	0.033	2.56	0.3	219.4	612	3.1	36.5	22.6	2,5	1	3	10.5	<0.1	152.5	6.
MA2758	Rock Pulp	104	0.06	812	0.258	3.33	0.052	2.80	1.8	170.8	1222	0.9	44.1	26.3	3.0	<1		2.0	<0.1	99.0	4,
MA2757	Rock Pulp	78	<0.01	26	0.009	1.22	0.160	0.30	<0.1	28.4	18	0.2	1.4	0.4	<0.1	<1_	<1	1,6	<0.1	9.6	0.
VIA2758	Rock Pulp	86	0.31	773	0.182	3.89	0.530	3.68	1.0	195.5	208	2.4	11.0	13.1	1.4	1		9.4	<0.1	176.6	5.
MA2759	Rock Pulp	204	0.15	552	0.201	2.87	0.037	3.00	0.8	140.2	>2000	1.2	341.2	4,6	<0.1	2	3	10.9	0.4	122.2	2.
MA2760	Rock Pulp	105	0.13	740	0.165	3,19	0.050	4,40	2.8	109.6	660	0.7	22.7	14.4	1.7	<1	1	2.4	0.2	154.0	3.
MA2761	Rock Pulp	120	0.16	732	0.413	4.01	0.048	4.13	1.0	286.5	>2000	2.4	319.7	34.9	0.4	3	5	10.9	0.4	185.1	7.
MA2762	Rock Pulp	87	0.18	1151	0.146	5,09	0.082	6.31	1.0	138.6	937	2.7	39.4	15.4	1.5	2	2	6,1	0.1	235.4	3.
MA2763	Rock Pulp	121	0,10	1120	0.190	3,93	0.082	4.39	8.0	148.1	405	1.7	17.3	17.6	1.7	1	2	4.4	<0.1	169.3	4.
MA2764	Rock Pulp	70	0.21	975	0.181	4.68	0.074	5.35	0.9	147.0	435	2.8	18.8	15.4	1.7	2	3	7.3	0.1	225.4	4,
MA2765	Rock Pulp	181	0.13	908	0.259	3.83	0.118	5.10	1.1	153.1	817	1.7	29.8	23.5	2.8	1	2	4.4	<0.1	161.5	4.
MA2786	Rock Pulp	54	0.07	690	0.077	3.30	0.048	4.70	0.5	89.0	175	0.7	5.8	6.1	0.6	<1	1	1.9	<0.1	158.2	2.
MA2767	Rock Pulp	164	0.05	422	0.208	2.09	0.037	2.68	2.5	85.9	1941	1.4	104.3	37.8	5.3	<1	2	2.8	0.7	94.5	2.
MA2768	Rock Pulp	224	0.10	863	0.100	3.81	0.097	4.72	0.6	112.0	334	1.3	11.4	9.5	1.0	<1	2	3.6	<0.1	210.3	3.
MA2769	Rock Pulp	67	0.07	740	0.168	3.22	0.053	4.15	0,6	98.4	657	1.3	25.1	16.5	1.8	1	1	2.4	<0.1	147.6	2
MA2770	Rock Pulp	123	0.11	837	0.162	3.76	0.092	5.14	0.7	132.6	809	1.2	27.5	16.9	2.0	<1	2	3.8	0.1	199.9	3.
MA2771	Rock Pulp	77	0.16	158	0.312	3.42	0.064	4.09	1.8	167.1	>2000	2.6	108.4	42.0	4.8	1	4	5.3	0.8	170.6	4.
MA2772	Rock Pulp	143	0.11	836	0.190	3.70	0.092	4.10	0.6	141.1	822	1.4	27.8	18.4	2.0	<1	2	4.7	0.1	190.4	4,1
MA2773	Rock Pulp	65	0.22	951	0.247	6.11	0.065	5.81	0.9	201.5	404	4.5	21.8	18.0	1.8	2	3	6.8	<0.1	283.2	5.
MA2774	Rock Pulp	102	0,23	258	0.493	2.77	0.026	2.26	0.9	267.0	>2000	3.2	126,8	67.0	8.1	1	4	10.5	1.5	143.6	7.
MA2775	Rock Pulp	159	0.11	859	0.333	3.57	0.078	4.55	1.6	167.0	1104	2.0	44.1	32.5	3.9	1	3	5.0	<0.1	195.5	4.1
MA2776	Rock Pulp	164	0.14	855	0.259	4.65	0.059	5,63	1.0	183.1	538	2.7	28.6	22.7	2.5			6.2	<0.1	278.8	5.4
MA2777	Rock Pulp	104	0.08	757	0.143	3,11	0.067	4.43	0.4	106.9	211	0.8	9.9	11.7	1.3	<u></u>		2.6	<0.1	184.2	2.0

4.20 0.057

4.97

1.6

143.9

265

1.8

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5.2

<0.1 215.0

945 0.109



MINERAL LABORATORIES

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada PHONE (604) 253-3158

Page:

Report Date:

Client:

Project:

4 of 8

MacGregor, R.A.

Sault Ste. Marie Ontario P6A 4N4 Canada

28 Ford St.

None Given

October 27, 2018

Part:

3 of 3

STATE OF THE SEASON TO			Las de		A Company	
	Method	MA200	MA200	MA200	MA200	MA200
	Analyte	ln	Re	Se	Te	ŤI
	Unit	ppm	ppm	ppm	ppm	ppm
P-8-2-1	MDL	0.05	0.005	1	0.5	0.5
IMA2749	Rock Pulp	0.07	<0.005	2	<0.5	1.3
IMA2750	Rock Pulp	<0.05	<0.005	2	<0.5	0.7
IMA2751	Rock Pulp	<0.05	<0.005	<1	<0.5	<0.5
IMA2752	Rock Pulp	<0.05	<0.005	<1	<0.5	1.0
IMA2753	Rock Pulp	<0.05	<0.005	<1	<0,5	0.8
IMA2754	Rock Pulp	<0.05	<0.005	<1	<0.5	1.0
IMA2755	Rock Pulp	<0.05	<0.005	<1	<0.5	0.9
IMA2756	Rock Pulp	0.06	<0.005	<1	<0.5	0.8
IMA2757	Rock Pulp	<0.05	<0.005	<1	<0.5	<0.6
IMA2758	Rock Pulp	<0.05	<0.005	<1	<0.5	0.8
IMA2759	Rock Pulp	<0.05	<0.005	8	<0.5	0.7
IMA2760	Rock Pulp	<0.05	<0.005	1	<0.5	0.9
IMA2761	Rock Pulp	<0.05	<0.005	7	<0.5	0.8
IMA2762	Rock Pulp	<0.05	<0.005	<1	<0.5	1.1
IMA2763	Rock Pulp	<0.05	<0.005	<1	<0.5	1.0
IMA2764	Rock Pulp	<0.05	<0.005	<1	<0.5	1.0
IMA2765	Rock Pulp	<0.05	<0.005	<1	<0.5	0.8
IMA2766	Rock Pulp	<0.05	<0.005	<1	<0.5	0.8
IMA2767	Rock Pulp	<0.05	<0.005	2	<0.5	0.7
IMA2768	Rock Pulp	<0.05	<0.005	<1	<0.5	0.9
IMA2769	Rock Pulp	<0.05	<0.005	<1	<0.5	0.7
IMA2770	Rock Pulp	<0.05	<0.005	<1	<0.5	0.9
IMA2771	Rock Pulp	0.07	<0.005	3	<0.5	0.7
IMA2772	Rock Pulp	<0.05	<0.005	<1	<0.5	1.0
IMA2773	Rock Pulp	<0.05	<0.005	<1	<0,5	1.3
IMA2774	Rock Pulp	<0.05	<0.005	4	<0.5	1.1
IMA2775	Rock Pulp	<0.05	<0.005	1	<0.5	0,9
IMA2776	Rock Pulp	<0.05	<0.005	<1	<0.5	1.1
IMA2777	Rock Pulp	<0.05	<0.005	<1	<0.5	0.9
IMA2778	Rock Pulp	<0.05	<0.005	<1	<0.5	1.0

This 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



Rock Pulp

4.0

5.5

71.3

MINERAL LABORATORIES

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Client:

MacGregor, R.A. 28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project:

Report Date:

None Given October 27, 2018

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

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	The second secon																		3.77		
	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA2
	Analyte	οM	Çu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bí	V	Ca	P	1
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	pp
	MDL	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	0
IMA2779	Rock Pulp	1.3	13.6	16.4	20	<0.1	4.5	6.9	33	0.40	5	21.8	94.2	14	<0.1	<0.1	0.3	9	0.04	0.012	113
IMA2780	Rock Pulp	19.4	132.1	798.9	219	2.1	28.9	104.2	91	2.56	62	789.4	2922.3	41	1.5	0.3	9.4	11	0.29	0.303	>20
IMA2781	Rock Pulp	2.2	28.9	35.0	56	<0.1	6.8	9.8	56	0.63	2	79.7	533.9	21	0.2	0.1	0.7	14	0.15	0.062	569
IMA2782	Rock Pulp	3.3	13.1	63.2	44	<0.1	7.3	7.3	62	0,69	3	64.6	322.0	18	0.2	0.2	0.2	12	0.11	0.037	347
IMA2783	Rock Pulp	5.2	23.3	235.2	7	0.1	12.2	32.7	103	0.85	29	296.3	1489.5	29	<0.1	0.2	1.6	10	0.23	0.176	1682
IMA2784	Rock Pulp	4.5	13.2	60.2	13	<0.1	7.7	10.8	93	0.70	8	43.1	254.8	31	<0.1	0.1	0,6	9	0.13	0.034	333
IMA2785	Rock Pulp	9.8	23.9	141.4	43	<0.1	12.1	24.4	78	0.86	20	111.5	812,2	30	0.2	0.1	1.0	12	0.22	0.095	812
IMA2786	Rock Pulp	4.1	15.9	100.7	85	<0.1	7.2	11.7	61	0.83	8	35.2	227.1	27	0.4	0.1	0.3	12	0.16	0.035	325
MA2787	Rock Pulp	5.5	11.5	87.3	73	<0.1	7.9	10.4	58	0.61	8	58.0	249.1	23	0.4	0.1	0.6	12	0.14	0.031	247
IMA2788	Rock Pulp	13.5	57.0	2394.1	1581	1.0	18.9	24.7	100	0.89	17	119.5	822.1	27	10.2	0.5	1.5	11	0.25	0.084	820
IMA2789	Rock Pulp	7.5	51.8	175.8	56	0.2	10.9	28.9	69	1.05	16	242.4	1098.2	21	0.2	0.1	1.0	11	0.16	0.118	1078
IMA2790	Rock Pulp	10.4	40.5	216.9	41	0.2	8.9	33.2	49	0.86	25	581.9	724.2	23	<0.1	<0.1	1,4	11	0.09	0.072	683
IMA2791	Rock Pulp	8.1	69.0	1193.9	1349	0.5	12.1	56.0	87	0.83	45	407.9	1305.4	25	8.1	0.1	0.9	8	0.21	0.134	1332
IMA2792	Rock Pulp	2.3	20,9	27.6	8	<0.1	8.6	17.9	91	0.95	16	33.4	275.0	23	<0.1	0.2	0.4	10	0.20	0.037	383
IMA2793	Rock Pulp	3.5	7.7	54.7	10	<0.1	8.1	17.1	72	0.60	21	141.7	934.0	21	<0.1	<0.1	0.3	10	0.14	0.102	942
IMA2784	Rock Pulp	4.8	7.2	106.1	6	0.1	6.2	13,4	52	0.63	17	140.5	656.4	15	0.1	0.1	0.5	10	0.10	0.069	714
IMA2795	Rock Pulp	2.2	10.4	42.7	8	<0.1	7.1	7.3	76	0.60	5	50.7	230.5	29	<0.1	<0.1	0.1	11	0.18	0.029	284
IMA2796	Rock Pulp	3.3	10.2	57.3	13	<0.1	8.0	11.0	74	0.51	14	93.4	519.4	27	<0.1	<0.1	0.3	8	0.17	0.083	810
IMA2797	Rock Pulp	2.6	23.0	157.6	26	0.1	6.3	12.7	75	0.50	12	80.1	532.9	20	0,1	0.1	1.3	9	0.19	0.087	701
IMA2798	Rock Pulp	2.2	39.4	182.1	111	<0.1	8.4	26.6	44	0.66	23	74.8	480.8	19	0.7	0.1	0.2	8	0.09	0.086	844
IMA2799	Rock Pulp	4,8	9.5	24.5	7	<0.1	7.7	10.4	44	0.61	10	35.6	242.8	19	<0.1	0.1	0.1	10	0.08	0.032	338
IMA2800	Rock Pulp	2.2	11.0	25.3	8	<0.1	6.4	8.9	52	0.49	7	28.8	155.3	22	<0.1	<0.1	0.4	7	0.14	0.029	238
IMA2801	Rock Pulp	1.8	24.2	105.8	81	<0.1	7.0	4.6	212	0,90	2	19.0	108.2	30	0.7	0.2	0.1	13	0.47	0.016	158
IMA2802	Rock Pulp	4.2	17.4	64.1	17	<0.1	8.6	3.5	55	0.60	2	41.7	236.8	31	<0.1	0.2	0.1	13	0.17	0.033	173
IMA2803	Rock Pulp	4.0	6.0	35.1	7	<0.1	6.6	4.1	36	0.56	3	83.9	474.3	22	<0.1	<0.1	0.2	16	0.07	0.062	
MA2804	Rock Pulp	5.7	8.7	41.9	9	<0.1	6.7	9.0	31	0.60	7	68.1	389.8	22	<0.1	<0.1	0,4	11	0.07	0.054	467
IMA2805	Rock Pulp	14.2	11.1	35.7	6	<0.1	9.1	9.4	40	0.80		93.1	468.0	27	<0.1	0.3	0.5	13	0.10	0.065	536
MA2806	Rock Pulp	8.9	25.1	414.9	238	<0.1	15.1	16.2	48	0.74	13	110.2	582.0	24	1.4	0.2	0.5	11	0.13	0.003	582
MA2807	Rock Pulp	3.0	12.9	156.2	154	<0.1	7.6	6.5	64	0.70	1J	66.7	451.0	28	1.0	<0.1	0.3	15	0.13	0.071	538
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Report Date:

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None Given October 27, 2018

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Page: 5 of 8 Part: 2 of 3 OERTHOATE OF ANALYSIS Mathod MA200 MA200 MA200 MA200 MA200 MA200 **MA200** MA200 MA200 MA200 MA200 MA200 MA200 MA200 MA 200 MA 200 MA 200 MA 200 MA 200 MA200 Analyte Cr Mg Na Zr Ce Sn Nb Ta Вe Sc Rb Unit mag ppm DDfT ppm pom maa pom maa oom maa pam ppm ppm ppm MDL 0.01 0.001 0.01 0.001 0.01 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 IMA2779 Rock Pulp 68 0.08 579 0.074 3.00 0.041 3.92 64.1 205 0.7 17 1.1 9.8 6.3 0.8 <1 1.8 0.1 157.4 IMA2780 Rock Pulp 165 0.16 83 0.487 3.04 0.047 3.29 2.5 234.1 >2000 1.9 259.0 84.2 10.1 <1 11.1 1.7 165.1 IMA2781 103 Rock Pulp 708 0.271 0.10 3.56 0.052 4.30 0.9 185.1 1058 1.8 40.5 25.8 2.9 3 5.3 0.1 196.7 5.1 IMA2782 Rock Pulp 191 0.09 625 0.193 2.92 0.055 3.94 0.9 855 103.1 1.3 20.0 1.9 3.6 31.1 <1 0.2 167.1 2.8 IMA2783 107 Rock Pulp 0.347 2000 623 3.17 0.055 3.60 1.7 206.0 1.6 41.1 4.7 6.3 0.2 168.7 101.B <1 IMA2784 Rock Pulp 108 0.10 830 0.137 3.72 13.5 0.114 4.79 1.0 618 1.0 134.9 20.2 1.5 4.0 0.1 198.3 3.7 IMA2785 Rock Pulp 100 0.13 703 0.366 3.75 0.082 4.01 1.7 208.6 1493 2.5 59.9 38.8 4.3 3 6,7 187.3 <1 0.3 IMA2788 Rock Pulp 117 0.10 785 0.263 0.099 3.83 4.49 1.9 167.0 612 1.6 20.2 22.6 2.4 4.2 0.2 181.9 IMA2787 Rock Pulp 110 0.12 778 0.273 3.47 0.058 4.28 1.3 179.8 449 1.7 23.0 24.9 2.3 6.0 0.1 200.9 5. IMA2788 Rock Pulp 141 0.14 727 0.317 3.60 0.067 3.73 1.9 196.3 1499 1.7 59.9 34.1 3.9 2 3 5.6 0.5170.4 5.5 IMA2789 Rock Pulp 111 0.20 602 0.257 4.17 0.119 3.93 1.9 139.8 1978 3.6 77.7 30.4 4.1 3 3 227.3 11.3 0.4 IMA2790 Rock Pulp 126 0.10 762 0.170 3.57 0.056 3.92 1.5 105.4 1262 1.8 68.1 21.2 3.6 <1 7.0 198.4 3.0 0.3 IMA2791 113 Rock Pulp 0.12 419 0.183 3.59 0.056 4.54 1.9 110.9 >2000 1.4 98.8 22.8 3,0 3.8 0.5 190.9 3.0 IMA2792 Rock Pulp 111 0.14 365 0.178 3.3 3.16 0.060 3.79 8.2 120.0 713 23.6 20.0 2.6 <1 4.1 0.5 167.3 1.1 IMA2793 Rock Pulp 109 0.15 560 0.219 3.63 0.049 3.41 1.9 128.2 1756 2.3 66.2 25.5 3.0 2 <0. 195.0 3.5 IMA2794 Rock Pulp 105 588 141.3 0.19 0.284 0.040 2.37 1.7 1332 3.4 29.3 2.4 8.7 4.18 58.4 3 2 < 0.1 204.7 3.8 IMA2795 97 Rock Pulo 0.14 787 0.116 3.77 0.057 3.58 1.8 144.1 519 1.5 21.9 10.8 2 1.1 <1 5.3 < 0.1 209.0 IMA2796 Rock Pulp 98 0.11 704 0.059 2 0.159 3.35 3.10 1.5 146.5 1125 16.2 1.6 <1 174.3 1.1 412 4.2 <0.1 IMA2797 Rock Pulp 96 0.09 634 0.149 3.07 0.043 3.01 1.4 1295 8.0 17.6 115.4 42.5 2 3.4 154.0 3.0 1.7 <1 0.1 IMA2798 Rock Pulp 117 0.177 0.08 571 2.92 0.036 2.82 17.4 2.3 142.3 1548 1.2 43.2 1.8 4.2 168.1 3.9 IMA2799 Rock Pulp 114 0.15 661 0.133 3.73 0.058 2.94 1.6 117.9 629 1.9 22.4 11.3 2 6.5 1,1 <1 <0.1 218.3 3.2 IMA2800 87 Rock Pulp 0.10 795 0.096 0.059 3.82 3.11 1.3 114.6 433 1.2 15.3 8.5 0.9 <1 2.9 < 0.1 187.3 3.2 IMA2801 Rock Pulp 148 0.18 358 0.053 1.94 0.027 1.90 0.4 62.4 278 0.7 87.2 12.8 4.3 0.2 2 2.4 <1 0.1 1.7 IMA2802 Rock Pulp 133 0.15 755 0,195 3.95 0.147 3.80 0.6 169.8 315 2.5 19.4 16.7 1.8 3 4.7 232.0 <1 < 0.1 4.6 IMA2803 Rock Pulp 98 0.16 691 0.282 5.21 0.059 2.87 3.2 21.3 2 8.0 257.9 1040 50.1 2.4 3 6.7 < 0.1 217.7 7.0 IMA2804 Rock Pulp 109 3.04 0.14 741 0.2264.26 0.059 0.3 191.9 843 2.5 36.8 18.0 2.0 2 2 5.7 0.1 241.4 5.3 IMA2805 Rock Pulp 118 0.16 756 0.286 4.28 0.094 3.17 0.7 214.5 994 2.8 2 3.0 49.0 25.7 3 6.9 0.2 267.7 6. IMA2806 Rock Pulp 108 0.14 739 0.270 3.58 0.074 2.93 0.7 176.1 1064 2.1 48.7 25.9 5.0 3.2 <1 2 4.8 209.0 0.3 IMA2807 Rock Pulp 105 0.13 670 0.258 3.57 0.070 2.85 138.3 22.3 0.5 999 1.2 40.5 2.3 4.5 0.1 185.5 3.7

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Project:

None Given

Report Date:

October 27, 2018

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CERTIFICATE OF ANALYSIS

	Method	MA200	MA200	MA200	MA200	MA20
	Analyte	In	Re	Se	Te	Ţ
	Unit	ppm	ppm	ppm	ppm	ppn
	MOL	0.05	0.005	1	0.5	0.0
IMA2779	Rock Pulp	<0.05	<0.005	<1	<0.5	0.7
IMA2780	Rock Pulp	0.07	<0.005	5	<0.5	1.1
IMA2781	Rock Pulp	<0.05	<0.005	<1	<0.5	0.
IMA2782	Rock Pulp	<0.05	<0.005	<1	<0.5	0,
IMA2783	Rock Pulp	<0.05	0.008	3	<0.5	٥.
IMA2784	Rock Pulp	<0.05	<0.005	1	<0.5	0.1
IMA2785	Rock Pulp	<0.05	<0.005	1	<0.5	٥.
IMA2786	Rock Pulp	<0.05	<0.005	<1	<0.5	٥.
IMA2787	Rock Pulp	<0.05	0.006	<1	<0.5	0.
IMA2788	Rock Pulp	0.12	<0.005	<1	<0.5	1,
IMA2789	Rock Pulp	0.05	<0.005	1	<0.5	1.
IMA2790	Rock Pulp	<0.05	<0.005	2	<0.5	0.
IMA2791	Rock Pulp	0.14	<0.005	1	<0.5	0.
IMA2792	Rock Pulp	<0.05	<0.005	1	<0.5	0.
IMA2793	Rock Pulp	<0.05	<0.005	1	<0.5	٥.
IMA2794	Rock Pulp	0.08	<0.005	<1	<0.5	0.
IMA2795	Rock Pulp	<0.05	<0.005	<1	<0.5	0.
IMA2796	Rock Pulp	<0.05	<0.005	<1	<0.5	0.
IMA2797	Rock Pulp	<0.05	0.005	<1	<0.5	٥.
IMA2798	Rock Pulp	<0.05	<0.005	<1	<0.5	0.
IMA2799	Rock Pulp	<0.05	<0.005	<1	<0.5	0.
IMA2800	Rock Pulp	<0.05	<0.005	<1	<0.5	0,
IMA2801	Rock Pulp	<0.05	<0.005	<1	<0.5	<0.
IMA2802	Rock Pulp	<0.05	<0.005	<1	<0.5	1.
IMA2803	Rock Pulp	<0.05	<0.005	<1	<0.5	0.
IMA2804	Rock Pulp	<0.05	<0.005	<1	<0.5	1,
IMA2805	Rock Pulp	<0.05	<0.005	2	<0.5	1.
IMA2806	Rock Pulp	<0.05	<0.005	1	<0.5	0.
IMA2807	Rock Pulp	<0.05	<0.005	<1	<0.5	0.

Rock Pulp

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MANNEROIS ZEVANS

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	ATE OF A															N/					
	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA:									
	Analyte	Мо	Сц	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	%	%	p							
	MDL	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	
IMA2809	Rock Pulp	4.2	17.6	133.2	135	<0.1	9.0	19.4	47	0.68	17	63.8	365.8	25	0,8	0.1	0.6	11	0.13	0.050	5
MA2810	Rock Pulp	3.9	5.2	33.1	10	<0.1	6.7	2.8	46	0.64	3	57.9	330.5	21	<0.1	0.2	0.2	14	0.09	0.050	4
MA2811	Rock Pulp	5.4	33.7	260.1	12	<0.1	16.4	19.4	114	1.00	12	451.9	1332.7	38	<0.1	0.2	8.0	14	0.42	0.138	12
MA2812	Rock Pulp	2.0	15.4	42.7	7	0.2	8.4	12.1	64	0.60	16	34.7	165.3	33	<0.1	0.2	0.6	12	0.23	0.027	2
MA2813	Rock Pulp	3.0	13.7	41.6	5	0.1	8.4	12.0	51	0.61	39	88.5	464.9	28	<0.1	0.1	2.3	12	0.17	0.061	5
MA2814	Rock Pulp	5.1	8.3	44.5	3	<0.1	9.2	8.7	32	0.44	20	84.8	490.5	28	<0.1	0.1	0.7	10	0.11	0.053	5
MA2815	Rock Pulp	6.4	6.3	153.4	3	<0.1	8.2	7.7	18	0.65	5	149.0	707.8	15	<0.1	0.2	0.5	13	0.03	0.091	7
MA2816	Rock Pulp	1.6	3.5	46.2	3	<0.1	6.9	1.5	16	0.33	1	23.5	124.2	15	<0.1	<0.1	<0.1	7	0.03	0.019	
MA2817	Rock Pulp	3.3	3.3	43.6	3	<0.1	5.7	2.0	19	0.42	1	53.9	276.8	19	<0.1	<0.1	0.1	12	0.03	0.039	
MA2818	Rock Pulp	4.1	5.4	101,4	2	<0.1	7.7	3.9	17	0.39	2	106.4	407.0	21	<0.1	<0.1	0.7	10	0.03	0.054	
MA2819	Rock Pulp	5.1	13.7	189.2	3	0.1	12.4	11.3	21	0.52	7	199.5	953,1	23	<0.1	0.2	0.9	10	0.07	0.102	
MA2820	Rock Pulp	4.1	19.5	109.1	25	<0.1	16.6	10.4	87	0.74	4	84.3	387.0	25	<0.1	0.1	0.2	12	0,15	0.042	
MA2821	Rock Pulp	1.7	64.0	79.2	130	0.2	18.1	12.2	137	2.96	2	48.9	110.9	44	0.4	0.1	0.7	42	0.07	0.036	
MA2822	Rock Pulp	4,0	9.4	34.9	4	<0.1	6.3	6.4	43	0.42	7	50.2	292.2	26	<0.1	0.1	0.2	8	0.11	0.044	
MA2823	Rock Pulp	3.7	5.5	20.1	7	<0.1	6.6	7.6	42	0.56	10	41.5	209.6	23	<0.1	<0.1	0.2	12	0.10	0.028	
MA2824	Rock Pulp	5.9	10.9	56.5	6	<0.1	11.8	31.2	102	0.76	38	387.5	1661.7	41	<0.1	0.1	0.3	14	0.44	0.185	
MA2825	Rock Pulp	3.5	14.9	29.3	6	<0.1	7.7	17.9	53	0.54	21	99.1	570.7	24	<0.1	0.2	0.4	9	0.15	0.067	
MA2826	Rock Pulp	4.2	24.0	28.9	7	<0.1	7.2	11.6	50	0.52	13	83.2	430.4	24	<0.1	0.1	0,6	9	0.12	0.052	
MA2827	Rock Pulo	8.2	36,8	31.0	7	<0.1	7.2	9.4	35	0.56	6	91.4	482.4	24	<0.1	0,2	0.6	8	0.09	0.065	
MA2828	Rock Pulp	1.4	43.8	34.0	8	0.1	10.8	13.6	70	0.61	13	28.2	155.1	18	<0.1	<0.1	0.6	10	0.13	0.021	
MA2829	Rock Pulp	2.1	113.8	71.5	18	0.2	19.1	37.9	141	1,33	40	50.1	391.2	28	<0.1	0.2	0.8	23	0.27	0.059	
MA2830	Rock Pulp	2.7	180.8	125.6	117	0.2	26.1	24.0	257	1.96	20	44.2	143.2	41	0.3	0.2	0.4	49	0.24	0.039	
MA2831	Rock Pulp	4.8	19.7	110.0	9	<0.1	8.0	13.7	48	0.50	16	109.8	497.7	31	<0.1	0.1	0.4	a	0.18	0.068	
MA2832	Rock Pulp	3.4	5.7	51.1	4	<0.1	6.5	3.6	28	0.44	4	45.6	219.6	20	<0.1	<0.1	0.2	12	0.05	0.035	
MA2833	Rock Pulp	2.0	30.3	37.1	42	<0.1	39.8	14.1	245	2.31	<u></u> 16	12.1	52.5	44	0.2	0.2	0.2	60	0.54	0.026	
MA2834	Rock Pulp	8.4	31.1	228.2	7	0.2	14.3	25.5	39	1.20	19	392.6	1220.8	20	<0.1	0.3	1.5	14	0.05	0.020	
MA2835	Rock Pulp	4.9	11.5	107.5	6	0.1	8.4	9.7	26	0.70	8	131.5	607.6	20	<0.1	0.2	0.6	11	0.03	0.072	
MA2836	Rock Pulp	3.9	7.5	108.7		<0.1	7.6	6.0	24	0.56	5	113.1	390.0	19	<0.1	<0.1	0.4	10	0.04	0.050	
MA2837	Rock Pulp	5.5	4.3	50.3	10	<0.1	7.8	9.6	57	0.70	21	81.3	324.0	16	<0.1	0.1	0.4	14	0.04	0.050	
MA2838	Rock Pulp	11.4	5.9	143.5	14	0.1	9.4	20.0	36	0.73	27	130.8	583.0	16	<0.1	0.1	0.8	16	0.04	0.050	



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Client:

MacGregor, R.A. 28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project:

None Given

Report Date:

October 27, 2018

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Page:

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Part: 2 of 3

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	DATEORAN		/S.S													, V	881		7.77		
	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MAZ
	Analyte	Cr	Mg	Ba	n	Al	Na	к	w	Zr	Ce	Şn	Y	Nb	Ta	Be	Sc	Li	s	Rb	ı
	Unit	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	p p
	MDL.	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	
IMA2809	Rock Pulp	90	0.13	843	0.187	4.09	0.070	3.32	1.2	190.2	1052	1.8	33.7	18,6	2.0	<1	3	4.5	0.2	214.3	
IMA2810	Rock Pulp	97	0.19	664	0.250	5.31	0.113	2.95	0.5	249.3	792	3.0	37.6	18.3	1.9	3	3	8.3	<0.1	238.3	
IMA2811	Rock Pulp	120	80.0	745	0.251	3.26	0.071	2.95	1.1	129.9	>2000	1.5	104.9	31.6	4.3	2	5	3,9	0.3	185.9	
IMA2812	Rock Pulp	83	0.14	841	0,122	4.44	0.130	2.75	0.6	117.1	458	1.6	18.2	9.5	1.2	<1	3	3.8	0.1	180.8	
IMA2813	Rock Pulp	87	0.15	840	0.204	4.38	0.090	3.10	0.8	190.4	1029	2.3	43.6	18.3	2.2	<1	3	4.8	0.1	217.5	
MA2814	Rock Pulp	101	0.09	880	0.217	4.51	0.067	3.72	0.5	183.4	1086	1.9	40.0	21.4	2.2	2	2	2.5	<0.1	216.1	
MA2815	Rock Pulp	93	0.09	402	0,417	4.32	0.046	2.68	0.6	223.5	1448	3.1	59.4	39.7	5,0	2	3	5.2	0.3	183.1	
MA2816	Rock Pulp	72	0.07	502	0.143	4.27	0.050	2,78	0.2	111.2	282	1.5	11.1	10.6	1.2	2	2	2.1	<0.1	178.7	
MA2817	Rock Pulp	67	0.09	540	0.238	5.37	0.064	3.21	0.3	223.2	541	2.0	25.1	17.9	2.0	3	3	4.7	<0.1	215.2	
MA2818	Rock Pulp	76	0.06	560	0.211	4.46	0.050	2.97	0.3	154.8	846	1.8	36.0	18.6	2.1	2	2	2.9	<0.1	194.3	
MA2819	Rock Pulp	84	0.07	561	0.293	4.31	0.068	3.36	0.4	212.7	1727	1.9	67.2	27.3	3.5	<1	2	3.8	0.2	183.0	
MA2820	Rock Pulp	93	0.12	812	0.236	3.68	0.059	3.36	0.6	157.5	649	1.5	34.1	18.8	2.4	1	2	5.1	0.1	214.2	
MA2821	Rock Pulp	119	0.53	320	0.222	5.61	1.309	2.16	1.1	163.7	230	1.4	16.9	12.9	1.5	3	4	22.4	0.3	140.9	
MA2822	Rock Pulp	84	0.09	880	0.152	4.31	0.088	3.20	1.1	157.9	678	1.7	25.3	14.1	1.5	1	2	3.0	<0.1	210.5	
MA2823	Rock Pulp	102	0.18	893	0.173	5.60	0.097	3,40	0.9	187.8	421	4.3	21.7	12.2	1.4	2	3	6.7	<0.1	213.7	
MA2824	Rock Pulp	131	0.18	735	0.426	5,05	0.074	2.85	2.0	345.9	>2000	3.2	139.0	41.9	4.9	2	4	10.2	<0.1	173.7	,
MA2825	Rock Pulp	90	0.12	832	0.237	3.89	0.066	3.00	1.2	196.0	1211	1.7	49.9	22.9	2.6	1	2	5.0	<0.1	185.9	
MA2826	Rock Pulp	117	0.11	868	0.172	3.80	0.094	2.46	1.1	132.0	881	1.3	36.4	17.2	2.2	2	2	3.7	0.1	161.5	
MA2827	Rock Pulp	98	0.08	769	0.164	3,46	0.077	2.98	1.4	137.3	998	1.3	43.2	17.3	2,0	1	2	3.8	0.2	182.1	
MA2828	Rock Pulp	133	0.10	569	0.120	2.51	0.097	2.58	1.9	154.0	309	0.8	14.2	10.1	1.2	1	2	2.6	0.2	114.8	
MA2829	Rock Pulp	146	0.19	168	0.161	3.27	0.384	2.94	2.4	180.0	987	1.2	35.2	14.8	1.9	<1	4	5.9	0,6	131.2	
MA2830	Rock Pulp	127	0.37	794	0.210	5.91	1.752	3.14	0.5	321.1	297	1.6	15.1	9.2	0.9	<1	7	10.8	0.2	214.3	
MA2831	Rock Pulp	85	0.08	895	0.255	3.99	0.074	2.12	1.3	181.4	1138	1.8	47,9	28.5	3.0	<1	2	3.7	0.1	162.4	
MA2832	Rock Pulp	82	0.07	617	0.347	4.32	0.071	2.13	0.4	185.8	474	2.2	20.4	29.6	3.1	1	2	2.4	<0.1	147.5	
MA2833	Rock Pulp	121	0.83	340	0.153	6.41	1.099	2.56	0.8	150,5	126	1.5	9.2	4.5	0.4	1	9	12.9	0.1	190,9	
MA2834	Rock Pulp	127	0.11	344	0.322	3.60	0.096	2.40	0.6	146.3	>2000	2.2	104.1	42.3	5.1	2	3	5,2	0.8	163.2	
MA2835	Rock Pulp	84	0.09	453	0.220	4.41	0.076	3,12	0.5	124.9	1130	2.2	53.9	24.9	3.0	1	2	3.5	0.3	193.5	
MA2836	Rock Pulp	93	0.08	459	0.174	4.78	0.074	3.02	0.3	119.6	767	1.9	34.2	16.1	2.0	2	<u>-</u> 2	3.8	0.2	225.2	
IMA2837	Rock Pulp	106	0.15	316	0.263	4.97	0.063	2.73	0.5	158.7	717	3,1	34.8	22.6	2.8		- 3	5.2	0.1	199.8	
IMA2838	Rock Pulp	139	0.13	312		4.25	0.047	2.68	0.9	211.6	1274	3.9	57.4	42.6	4.9	2		5.5	0.2	175.3	

This 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.



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Sault Ste, Marie Ontario P6A 4N4 Canada

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Method MA200 MA200 MA200 MA200 MA200 Analyte In Te Unit mad ppm ppm ppm MDL 0.06 0.005 0.5 Rock Pulp <0.05 <0.005 <1 <0.5

0.5 IMA2809 0.8 IMA2810 1.0 Rock Pulp < 0.05 < 0.005 <1 < 0.5 IMA2811 Rock Pulp 0.8 < 0.05 <0.005 <1 < 0.5 IMA2812 Rock Pulp < 0.05 0.8 < 0.005 <1 <0,5 IMA2813 Rock Pulp < 0.05 <0.5 0.9 0.006 IMA2814 Rock Pulp < 0.05 < 0.005 <1 <0.5 IMA2815 Rock Pulp <0.05 < 0.005 <1 <0.5 0.7 IMA2816 Rock Pulp <0.05 <0.005 <1 < 0.5 0.7 IMA2817 Rock Pulp 0.9 <0.05 < 0.005 <1 <0.5 IMA2818 < 0.005 0.7 Rock Pulp <0.05 <0.5 0.8 IMA2819 Rock Pulp < 0.05 < 0.005 <0.5 <1 IMA2820 1.0 Rock Pulp <0.05 < 0.005 < 0.5 0.6 IMA2821 Rock Pulp <0.05 < 0.005 2 <0.5 IMA2822 0.9 Rock Pulp <0.05 <0.005 <1 < 0.5 IMA2823 Rock Pulp < 0.005 <1 < 0.5 < 0.05 IMA2824 0.9 Rock Pulp 0.06 < 0.005 < 0.5 IMA2825 Rock Pulp 0.8 0.06 < 0.005 <1 <0.5 IMA2826 Rock Pulp < 0.05 0.005 <1 < 0.5 0.8 IMA2827 Rock Pulp < 0.05 < 0.005 0.7 < 0.5 0.6 IMA2828 Rock Pulp < 0.05 < 0.005 <1 < 0.5 IMA2829 Rock Pulp 0.6 < 0.05 < 0.005 <1 < 0.5 IMA2830 Rock Pulp 0.06 < 0.005 <1 <0.5 0.9 IMA2831 Rock Pulp < 0.05 < 0.5 1.0 < 0.005 0.8 IMA2832 Rock Pulp < 0.05 <0.005 <0.5 IMA2833 0.8 Rock Pulp <0.05 < 0.005 <1 <0.5 IMA2834 0.7 Rock Pulp < 0.05 <0.005 <1 < 0.5 IMA2835 Rock Pulp < 0.05 < 0.005 <1 < 0.5 0.8 IMA2836 Rock Pulp 0.8 < 0.05 <0.005 < 0.5 IMA2837 Rock Pulp < 0.05 < 0.005 0.8 <1 <0.5 IMA2838 Rock Pulp 0.9

< 0.05 < 0.005

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Page:

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Part: 1 of 3

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	302 (S) 187 1870 (S) 187	AL														g.			277		4
	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA20
	Analyte	Мо	Cu	Pb	Zn	Ag	NI	Ço	Mn	Fe	As	U	Th	Sr	Cđ	Sb	ВІ	V	Ca	P	L
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ррі
	MDL	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	0.
IMA2839	Rock Pulp	4.3	5.3	88.2	10	<0.1	7.2	11.7	33	0.62	14	78.4	379.4	18	<0.1	<0.1	0.8	12	0.04	0.052	415
IMA2840	Rock Pulp	6.7	8.1	100.8	11	<0.1	6.4	8.2	41	0.61	12	108.6	457.6	16	<0.1	<0.1	0.8	14	0.04	0.084	547
IMA2841	Rock Pulp	4.3	21.5	98.1	35	<0.1	8.8	10.7	52	0.72	14	103.6	375.0	15	0.2	0.1	0.4	13	0.07	0.049	401
IMA2842	Rock Pulp	15.9	80.1	458.5	217	0.9	14.1	24.8	60	1.58	18	787.5	2519.8	24	1.2	0.3	1.7	17	0.08	0.280	>200
IMA2843	Rock Pulp	9.7	36.9	359.0	520	0.3	9.8	11.9	58	1.02	21	257.6	1029.1	21	3.2	0.3	0.6	17	0.08	0.123	1054
IMA2844	Rock Pulp	6.8	26.9	110.2	93	<0.1	6.6	5.2	44	0.70	8	83,1	440.9	17	0.4	<0.1	0.2	14	0.06	0.060	486
IMA2845	Rock Pulp	8.0	41.8	243.1	214	0.1	9.2	9.9	50	0.81	11	114.8	562.1	19	1.1	<0.1	0.3	16	0.06	0.075	653
IMA2846	Rock Pulp	12.1	171.8	280.4	197	0.2	9.0	13.5	70	0.91	16	158.1	694.8	20	0.7	0.2	0.5	13	0.07	0.081	811
IMA2847	Rock Pulp	14.9	73.2	176.0	27	0.2	15.2	44.7	123	1.35	84	198.0	765.7	30	<0.1	0.3	1.3	17	0.15	0.101	850
IMA2848	Rock Pulp	2.6	9.4	28.5	9	<0.1	4.8	2.7	78	0.67	7	16.2	83.1	22	<0.1	<0.1	0.1	7	0.07	0.016	157
IMA2849	Rock Pulp	3.6	41.7	91.7	4	<0.1	7.3	9.3	116	0.85	3	137.9	850.5	32	<0.1	<0.1	0.4	9	0.19	0.100	1029
IMA2850	Rock Pulp	3.6	29.0	193.0	8	<0.1	8.2	6.9	161	1,21	3	313.2	1181.5	30	<0.1	0.2	0.3	9	0.18	0.138	1508
IMA2851	Rock Pulp	11.1	49.4	168.2	91	0.1	13.6	42.9	69	0.91	62	132.6	606.8	19	0.2	0.2	1.2	13	0.07	0.073	792
IMA2852	Rock Pulp	7.2	140.8	461.6	424	0.4	12.6	22.0	87	1.10	11	272.5	929.7	18	2.2	0.1	0.9	13	0.12	0.114	999
IMA2853	Rock Pulp	6.1	87.1	307.0	337	0.2	8.9	10.9	46	0.72	9	88.3	359.6	18	1,7	<0.1	0.7	10	0.07	0.046	393
IMA2854	Rock Pulp	7.1	27.3	54.2	57	<0.1	6.3	9.8	42	0.68	14	17.1	74.1	20	0.2	<0.1	0.2	12	0.04	0.015	89
IMA2855	Rock Pulp	4.3	16.6	50.6	15	<0.1	6.8	4.1	108	0.80	4	40.2	235.2	24	<0.1	0.2	0.1	9	0.06	0.031	304
IMA2856	Rock Pulp	1.4	11.1	46.7	10	<0.1	5.2	2.8	72	0.79	2	36.1	162.9	25	<0.1	<0.1	<0.1	9	0.08	0.024	225
IMA2857	Rock Pulp	3,5	18.8	113.6	4	<0.1	7.0	8.6	85	0.80	6	42.5	244.2	24	<0.1	<0.1	<0.1		0.11	0.031	308
IMA2858	Rock Pulp	0.5	5.7	5.6	5	<0.1	8.9	2.5	17	1.06	5	6.4	40.2	23	<0.1	<0.1	<0.1	22	0.03	0.005	42
IMA2859	Rock Pulp	6.4	582.8	11.6	29	0.3	20.9	27.2	138	1,94	30	5.5	17.0	23	0.1	0.2	1.0	44	0.21	0.013	30
IMA2860	Rock Pulp	1.4	2.2	15.4	3	<0.1	4.7	1.2	22	0.37	2	6.9	30.1	13	<0.1	<0.1	<0.1	7	0.04	0.010	31
IMA2861	Rock Pulp	5.7	14.8	181.2	3	0.2	12.1	9,6	21	0.51	В	241.3	943.2	24	<0.1	0.2	0.8	10	0.06	0.096	970
IMA2862	Rock Pulp	2.4	44,1	56.5	10	0.2	17.0	15.0	157	1.54	16	109.5	457.6	24	<0.1	0.1	0.5	32	0.15	0.066	528
IMA2863	Rock Pulp	5.6	65.0	181.8	24	0.2	8.1	15.5	28	1.00	12	327.3	741.7	19	<0.1	0.2	1.5	11	0.08	0.086	863
IMA2864	Rock Pulp	4.7	260.2	103.6	53	0,4	5.8	8.2	53	0.69	10	42.7	210.2	16	0.1	0.1	0.9	'.' 9	0.12	0.029	267
IMA2865	Rock Pulp	5.5	4.2	127.3	2	<0.1	5.7	5.5	19	0.57	4	147.9	637.0	22	<0.1	0.2	0.5	12	0.12	0.080	718
IMA2868	Rock Pulp	7.7	43.1	324.9	135	0.5	12.1	31,2	36	1.38		1081.3	1322.1	27	0.8	0.2	3.3	11	0.12	0.114	
IMA2867	Rock Pulp	12.4	42.3	145.7	33	0.3	10.8	24.8	33	0.88	10	262.1	1183.2	24	<0.1	0.2	1.8	14	0.12	0.114	
IMA2868	Rock Pulp	3.6	8.0	39.5	2	<0.1	5.7	6.8	24	0.46	11	52.9	301.5	24	<0.1	0.2	0.7	12	0.07	0.120	~~~



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28 Ford St.

Report Date:

October 27, 2018

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		AL																	7		
	Method	MA200	MA200	MA200	MA200	MA200	MA201														
	Analyte	Cr	Mg	Ba	TI	Ai	Na	K	₩	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	8	Rb	H
	Unit	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppn							
	MDL	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	0.
IMA2839	Rock Pulp	108	0.12	341	0.294	4.26	0.052	2.64	0.6	161.8	736	2.8	32.4	24.5	3.0	1	2	5.0	0.2	177.6	5.
IMA2840	Rock Pulp	129	0.12	339	0.343	4.12	0,050	2.38	0.6	242.5	976	2.8	43.8	26,5	3.0	1	3	5.3	<0.1	168.6	6.
IMA2841	Rock Pulp	123	0.15	301	0.208	3.85	0.054	2.52	0.5	169.5	737	2.6	35.6	17.1	2.0	2	3	5.6	0.1	155.2	4.
IMA2842	Rock Pulp	189	0.17	288	0.509	3.46	0.049	2.38	1,3	290.9	>2000	4.1	215.0	65.5	8.9	2	5	9.1	0.9	152.0	8.
IMA2843	Rock Pulp	144	0.19	356	0.421	3,83	0.055	2.57	0.6	300.9	1935	3.5	93.6	38.2	4.7	2	4	7.6	0.4	178.6	8.8
IMA2844	Rock Pulp	137	0.17	357	0.339	3.80	0.045	2.47	0.4	311.2	913	3.2	44.1	25.4	2.9	2	3	6.6	<0.1	181.7	9.6
IMA2845	Rock Pulp	136	0.18	366	0.420	3.78	0.046	2.83	0,5	298.8	1164	3.1	56.0	33.3	3.9	1	4	7.7	0.1	171.8	8.
IMA2846	Rock Pulp	190	0.15	319	0.296	2.78	0.057	2.16	0.5	177.2	1426	2.4	59.3	27.8	3.4	1	3	6.1	0.2	130.7	5.0
IMA2847	Rock Pulp	199	0.22	378	0.335	3.42	0.110	2.40	0.6	208.6	1586	2.4	67.2	30.4	3.7	2	4	7.8	0.4	180.4	5.0
IMA2848	Rock Pulp	104	0.10	662	0.091	3.22	0.055	2.82	0.3	92.0	274	0,9	9.6	8.6	1.0	<1	1	3.9	<0.1	176.8	2.
IMA2849	Rock Pulp	129	0.10	797	0.343	3.48	0.172	2.51	1.1	209.2	1861	1.2	61.3	32.6	3.8	<1	2	3,9	0.2	128.1	5.
IMA2850	Rock Pulp	137	0.16	683	0.292	3.29	0.055	2.91	0.6	141.8	>2000	1.4	89.1	32.4	3.9	<1	2	5,7	0.2	184.3	3.
IMA2851	Rock Pulp	155	0.16	306	0.328	3.02	0.042	2.25	0.5	173.1	1418	2.4	57.8	32.4	3.8	2	4	6.9	0.2	144.8	4.7
IMA2862	Rock Pulp	139	0.24	385	0.297	3.73	0.037	2.29	1.1	161.7	1870	3.3	86.8	30.7	3.6	3	3	9.8	0.3	182.3	4,6
IMA2853	Rock Pulp	140	0.17	385	0.148	3.29	0.043	2.57	0.5	101.1	728	2.3	34.9	15.3	1.7	2	2	5.6	0.1	156.9	
IMA2854	Rock Pulp	103	0.19	491	0.108	4.65	0.048	3.07	0.3	131.7	160	2.6	8.6	7.2	0.7	2	3	7.1	<0.1	220.6	
IMA2855	Rock Pulp	124	0.13	685	0.220	3,31	0.057	2.63	0.5	123.8	545	1.3	26.0	19.6	2.4	<1	2	5.0	<0.1	168,3	
IMA2856	Rock Pulp	107	0.15	750	0.117	3.45	0.055	3.11	0.3	109.5	403	1.1	16.0	10.3	1.2	<1	2	4.4	<0.1	208.7	3.0
IMA2857	Rock Pulp	128	0.11	670	0.242	3,31	0.055	2.61	0.4	120.2	563	1.1	27.6	21,1	2.4	: <1	2	3.6	0.2	192.1	3.2
IMA2858	Rock Pulp	83	0.18	839	0.072	4.06	0.052	3.04	0.8	133.2	80	1.1	6.0	5.8	0.5			5.6	<0.1	159.2	· · · · · · · · · · · · · · · · · · ·
IMA2859	Rock Pulp	125	0.53	349	0.117	4.23	0.494	2.06	0.6	109.8	56	1.3	4.8	4.5	0.4	2	<u>.</u> 5	20.6	0.2	139.6	
IMA2860	Rock Pulp	77	0.08	422	0.087	4.72	0.056	2.60	0.2	88.3	50	2.0	3.9	5.1	0.5	2	·	2.4	<0.1	199.7	2.0
IMA2861	Rock Pulp	82	0.07	574	0.277	4.16	0.069	3.16	0.5	214.4	1762	1.8	68.6	27.3	3.6	2	3	4.0	0.2	202.8	
IMA2862	Rock Pulp	124	0.35	838	0.218	4.63	0.056	3.34	1.0	198.4	1014	1,9	42.2	14.3	1.7		6	11.4	0.1	241.4	5.
IMA2863	Rock Pulp	111	0.10	453	0.224	4.25	0.046	3.09	0.8	147.5	1554	2.4	72.9	30.9	3.9		3	6.3	0.6	200.7	4.
IMA2864	Rock Pulp	124	0.13	363	0.138	4.33	0.056	2.86	0.4	105.4	489	2.0	20.0	12.4	1.4	1	2	4.4	0.3	171.8	2.
IMA2865	Rock Pulp	100	0.07	578	0.321	4.34	0.055	2.70	0.5	218.0	1316	2.2	51.4	30.1	3.4	<1	3	5.2	0.2	207.4	6.
IMA2866	Rock Pulp	146	0.07	217	0.296	3.48	0.062	3.71	1.1	154.8	>2000	3.4	148.5	44.5	6.7		2	7.1	1.0	178.8	*** * ***********
IMA2867	Rock Pulp	125	0.10	663	0,336	3.38	0.054	3.13	1.1	184.2	>2000	3.2	102.3	45.8	6.5		3	4.9	0.5	172.9	
IMA2868	Rock Pulp	92	0.09	791	0,275	4.47	0.067	3.28	0.6	180.5	658	2.5	29.8	22.5	2.5		3	3.9	0.5	168.8	



FUREAU MINERAL CABORATORIES

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada PHONE (604) 253-3158

Client:

MacGregor, R.A.

28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project:

None Given

Report Date:

October 27, 2018

Page:

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COERTIFICATE OF ANALYSIS

Method Analyte		e Albaide Committee de la committe				70.00	
Unit MDL Qub Ppm Ppm Ppm Ppm Ppm MDL Qub Qub		Method	MA200	MA200	MA200	MA200	MA200
MDL 0.08 0.005 1 0.5 0.6 1 0.5 0.6 1 0.5 0.6 1 0.5 0.8 1 0.8 0.05 0.005 0.005 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.9 1 0.5 0.9		Analyte	In	Re	Se	Te	TI
IMA2839 Rock Pulp <0.05 <0.005		Unit	ppm	ppm	ppm	ppm	ppm
IMA2840 Rock Pulp <0.05 <0.005		MDL	0.06	0.005	1	0.5	0.6
IMA2841 Rock Pulp <0.05 <0.005 <1 <0.5 0.8 IMA2842 Rock Pulp <0.05	IMA2839	Rock Pulp	<0.05	<0.005	<1	<0.5	0.8
MA2842 Rock Pulp	IMA2840	Rock Pulp	<0.05	<0.005	<1	<0.5	1.0
IMA2843 Rock Pulp 0.08 < 0.005 <1 <0.5 1.0 IMA2844 Rock Pulp 0.06 < 0,005	IMA2841	Rock Pulp	<0.05	<0.005	<1	<0.5	0.8
IMA2844 Rock Pulp 0.06 <0.005 <1 <0.5 0.9 IMA2845 Rock Pulp <0.05 <0.006 <1 <0.5 0.9 IMA2846 Rock Pulp <0.05 <0.005 <1 <0.5 0.9 IMA2846 Rock Pulp <0.05 <0.005 <1 <0.5 0.7 IMA2847 Rock Pulp <0.05 <0.005 <1 <0.5 0.7 IMA2848 Rock Pulp <0.05 <0.005 <1 <0.5 0.9 IMA2848 Rock Pulp <0.05 <0.005 <1 <0.5 0.9 IMA2849 Rock Pulp <0.05 <0.005 <1 <0.5 0.9 IMA2850 Rock Pulp <0.05 <0.005 <2 <0.5 0.8 IMA2851 Rock Pulp <0.05 <0.005 <2 <0.5 0.8 IMA2851 Rock Pulp <0.05 <0.005 <2 <0.5 0.8 IMA2852 Rock Pulp <0.05 <0.005 <1 <0.5 0.7 IMA2852 Rock Pulp <0.05 <0.005 <1 <0.5 0.7 IMA2853 Rock Pulp <0.05 <0.005 <1 <0.5 0.8 IMA2854 Rock Pulp <0.05 <0.005 <1 <0.5 0.8 IMA2855 Rock Pulp <0.05 <0.005 <1 <0.5 0.9 IMA2856 Rock Pulp <0.05 <0.005 <1 <0.5 0.9 IMA2856 Rock Pulp <0.05 <0.005 <1 <0.5 0.9 IMA2857 Rock Pulp <0.05 <0.005 <1 <0.5 0.9 IMA2858 Rock Pulp <0.05 <0.005 <1 <0.5 0.9 IMA2859 Rock Pulp <0.05 <0.005 <1 <0.5 0.9 IMA2859 Rock Pulp <0.05 <0.005 <1 <0.5 0.9 IMA2859 Rock Pulp <0.05 <0.005 <1 <0.5 0.7 IMA2860 Rock Pulp <0.05 <0.005 <1 <0.5 0.8 IMA2861 Rock Pulp <0.05 <0.005 <1 <0.5 0.8 IMA2862 Rock Pulp <0.05 <0.005 <1 <0.5 0.9 IMA2863 Rock Pulp <0.05 <0.005 <1 <0.5 0.9 IMA2864 Rock Pulp <0.05 <0.005 <1 <0.5 0.8 IMA2865 Rock Pulp <0.05 <0.005 <1 <0.5 0.8 IMA2866 Rock Pulp <0.05 <0.005 <	IMA2842	Rock Pulp	<0.05	<0.005	3	<0.5	1.1
IMA2845 Rock Pulp	IMA2843	Rock Pulp	0.08	<0.005	<1	<0.5	1.0
IMA2846	IMA2844	Rock Pulp	0.06	<0,005	<1	<0.5	0.9
MA2847 Rock Pulp	IMA2845	Rock Pulp	<0.05	<0.005	<1	<0.5	0.9
IMA2848 Rock Pulp <0.05 <0.005 <1 <0.5 0.9 IMA2849 Rock Pulp <0.05	IMA2846	Rock Pulp	<0.05	<0.005	<1	<0.5	0.7
IMA2849	IMA2847	Rock Pulp	<0.05	<0.005	<1	<0.5	1.0
IMA2850 Rock Pulp <0.05 <0.005 2 <0.6 0.8 IMA2851 Rock Pulp <0.05	IMA2848	Rock Pulp	<0.05	<0.005	<1	<0.5	0.9
IMA2851	IMA2849	Rock Pulp	<0.05	<0.005	<1	<0.5	0.7
IMA2852 Rock Pulp 0.06 <0.005 2 <0.5 1.0 IMA2853 Rock Pulp <0.05	IMA2850	Rock Pulp	<0.05	<0.005	2	<0.5	0.8
IMA2853 Rock Pulp <0.05 <0.005 <1 <0.6 0.8 IMA2854 Rock Pulp <0.05	IMA2851	Rock Pulp	<0.05	<0.005	<1	<0.5	0.7
IMA2854 Rock Pulp <0,05 <0,006 <1 <0,5 1,0 IMA2855 Rock Pulp <0.05	IMA2852	Rock Pulp	0.06	<0.005	2	<0.5	1.0
IMA2855 Rock Pulp <0.05 <0.005 <1 <0.5 0.9 IMA2856 Rock Pulp <0.05	IMA2853	Rock Pulp	<0.05	<0.005	<1	<0.5	0.8
IMA2856 Rock Pulp <0.05 <0.005 <1 <0.5 0.9 IMA2857 Rock Pulp <0.05	IMA2854	Rock Pulp	<0.05	<0.005	<1	<0.5	1.0
IMA2857 Rock Pulp <0.05 <0.005 <1 <0.5 0.9 IMA2858 Rock Pulp <0.05	IMA2855	Rock Pulp	<0.05	<0.005	<1	<0.5	0.9
IMA2858 Rock Pulp <0.05 <0.005 <1 <0.5 0.9 IMA2859 Rock Pulp 0.06 <0.005	IMA2856	Rock Pulp	<0.05	<0.005	<1	<0.5	0.9
IMA2859 Rock Pulp 0.06 <0.005 <1 <0.5 0.7 IMA2860 Rock Pulp <0.05	IMA2857	Rock Pulp	<0.05	<0.005	<1	<0.5	0.9
IMA2860 Rock Pulp <0.05 <0.005 <1 <0.5 0.7 IMA2861 Rock Pulp <0.05	IMA2858	Rock Pulp	<0.05	<0.005	<1	<0.5	0.9
IMA2861 Rock Pulp <0.05 <0.005 <1 <0.5 0.8 IMA2862 Rock Pulp <0.05	IMA2859	Rock Pulp	0.06	<0.005	<1	<0.5	0.7
IMA2862 Rock Pulp <0.05 <0.005 <1 <0.5 1.0 IMA2863 Rock Pulp <0.05	IMA2860	Rock Pulp	<0.05	<0.005	<1	<0.5	0.7
IMA2863 Rock Pulp <0.05 <0.005 <1 <0.5 0.9 IMA2864 Rock Pulp 0.10 <0.005	IMA2861	Rock Pulp	<0.05	<0.005	<1	<0.5	0.8
IMA2864 Rock Pulp 0.10 <0.005 <1 <0.5 0.8 IMA2865 Rock Pulp <0.05 <0.005 <1 <0.5 0.8 IMA2866 Rock Pulp 0.06 <0.005 1 <0.5 1.2 IMA2867 Rock Pulp <0.05 <0.005 <1 <0.5 0.9	IMA2862	Rock Pulp	<0.05	<0.005	<1	<0.5	1.0
IMA2865 Rock Pulp <0.05 <0.005 <1 <0.5 0.8 IMA2866 Rock Pulp 0.06 <0.005	IMA2863	Rock Pulp	<0.05	<0.005	<1	<0.5	0.9
IMA2866 Rock Pulp 0.06 <0.005 1 <0.5 1.2 IMA2867 Rock Pulp <0.05 <0.005	IMA2864	Rock Pulp	0.10	<0.005	<1	<0.5	0.8
IMA2867 Rock Pulp <0.05 <0.005 <1 <0.5 0.9	IMA2865	Rock Pulp	<0.05	<0.005	<1	<0.5	0.8
	IMA2866	Rock Pulp	0.06	<0.005	1	<0.5	1.2
IMA2868 Rock Pulp <0.05 <0.005 <1 <0.5 1.1	IMA2867	Rock Pulp	<0.05	<0.005	<1	<0.5	0.9
	IMA2868	Rock Pulp	<0.05	<0.005	<1	<0.5	1.1



BUREAU MINERAL LABORATORIES
VERITAS FOR THE

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Client:

MacGregor, R.A. 28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project:

None Given

Report Date:

October 27, 2018

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

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Part: 1 of 3

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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	BI	V	Ca	P	i.a
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	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	0.1
IMA2869	Rock Pulp	5.3	9.7	231.8	4	<0.1	10.1	19.7	24	0.99	10	323.7	1359.2	19	<0.1	0.3	1.4	12	0.03	0.144	1504.5
IMA2870	Rock Pulp	2.9	11.2	112.5	3	<0.1	8.1	9.6	19	0.44	8	180.5	790.4	21	<0.1	0.1	1.0	10	0.03	0.079	859.8
IMA2871	Rock Pulp	3.4	21.2	101.8	25	<0.1	15.6	12.7	91	0.73	5	76.7	351.5	24	<0.1	0.1	0.3	12	0.16	0.044	348.8
IMA2872	Rock Pulp	3.2	111.6	12.7	23	0.2	51.0	21.1	523	4.92	15	10.0	39.8	20	<0.1	0.3	0.2	114	0.13	0.047	70.5
IMA2873	Rock Pulp	7.4	33.1	41.5	5	<0,1	7.5	16.2	30	0.79	18	68.8	383.8	24	<0.1	0.2	0.5	8	0.09	0.042	314.7
IMA2874	Rock Pulp	0.9	3.9	0.8	3	<0.1	6.0	1.1	49	0.36	2	0,3	0.4	5	<0.1	<0.1	<0.1	3	0.07	0.002	1.7
IMA2875	Rock Pulp	<0.1	2.3	3,0	84	0.7	1417.0	108.8	1907	8.04	744	<0.1	0.2	424	<0.1	1.4	0.1	207	5.98	<0.001	1.0
IMA2876	Rock Pulp	9.3	11.3	11.5	45	1.4	179.7	47.7	670	5.44	203	1.0	5.9	336	<0.1	0.6	0.2	102	3.80	0.051	51.6
IMA2877	Rock Pulp	12.0	85.7	4.7	51	0.7	170.9	39.9	1042	4,97	122	0.9	6.9	629	<0.1	0.4	0.1	98	5.96	0.119	82.7
IMA2878	Rock Pulp	3.0	38.5	8.0	52	0.6	139.2	38.7	802	4.72	124	0.9	6.1	596	0.1	0.6	<0.1	110	5.09	0.225	
IMA2879	Rock Pulp	23.8	40.5	5.5	67	0.4	183.2	49.2	947	5.54	83	0.7	4.2	488	<0.1	0.4	0.1	119	5.20	0.119	44.6



PUREAU MINERAL LABORATORIES VERITAS VILLES

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Client:

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Sault Ste. Marie Ontario P6A 4N4 Canada

Project:

None Given

Report Date:

October 27, 2018

Bureau Veritas Commodities Canada Ltd.

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Page:

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Part: 2 of 3

		//:[2]																			
	Method	MA200	MA200	MA200	MA200	MA 200	MA200														
	Analyte	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S	Rb	He
	Unit	ppm	%	ppm	%	%	%	%	ppm	%	ppm	ppm									
	MDL	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	0.1
IMA2869	Rock Pulp	129	0.09	422	0.270	4.08	0.043	2.37	0.6	146.2	>2000	3.2	120.2	33.4	4.1	2	3	7.7	0,6	176.8	4.1
IMA2870	Rock Pulp	82	0.05	545	0.207	3.70	0.054	2.76	0.4	143.9	1486	1.7	61.4	23.1	2.7	1	2	3.2	0,1	155.4	4.3
IMA2871	Rock Pulp	91	0.11	777	0,246	3,35	0.062	3.14	0,5	137.4	592	1.8	34.4	19.7	2.2	<1	2	4.7	D. 1	184.4	3.8
IMA2872	Rock Pulp	137	1.05	933	0.429	6.70	0.047	3.80	1.0	356.0	135	3.0	11.4	11.5	0.9	4	17	32.0	0.2	273.6	10.4
IMA2873	Rock Pulp	102	0.06	517	0.187	3.58	0.075	4.00	1.0	145.0	537	1.5	32.4	17.9	2.0	<1	2	2.7	0.5	176.1	4.5
IMA2874	Rock Pulp	167	0.02	7	0.010	0.11	0.021	0.03	<0.1	30.2	3	0.2	2.5	0.4	<0.1	<1	<1	2.2	<0.1	0.7	0.9
IMA2875	Rock Pulp	1767	12.52	35	0.009	1.74	0.194	0.11	1.1	13.2	2	0.2	3.9	<0.1	<0.1	<1	16	25.9	<0.1	2,6	0.4
IMA2876	Rock Pulp	339	4.50	111	0.049	6.73	4.286	0.51	4.0	100.1	98	0.2	7.6	0.4	<0.1	<1	16	13.8	2.6	4.6	2.6
IMA2877	Rock Pulp	279	5.57	173	0.041	8.04	3.892	0.29	2.6	80.8	152	0.2	8.1	0.4	<0.1	<1	21	12.3	1.0	4.3	2 .2
IMA2878	Rock Pulp	335	4.66	220	0.058	5.11	3.375	0.40	2.7	70.7	137	0.7	8.0	0.4	<0.1	<1	18	4.4	0.4	8.1	1.7
IMA2879	Rock Pulp	392	5.74	117	0.062	5.97	3.953	0.24	2.5	74.0	84	0.3	7.7	0.4	<0.1	<1	22	11.8	0.2	3.1	2.0



BUREAU MANERAL LABORATORIES
VERITAS (1997)

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Bureau Veritas Commodities Canada Ltd.

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Cllent: MacGregor, R.A.

28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project:

None Given

Report Date:

October 27, 2018

Page:

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Part:

3 of 3

	Method	MA200	MA200	MA200	MA200	MA200
	Analyte	In	Re	Se	Te	TI
	Unit	ppm	ppm	ppm	ppm	ppm
	MDL	0.05	0.005	1	0.5	0.5
IMA2869	Rock Pulp	<0.05	<0.005	<1	<0,5	0.9
IMA2870	Rock Pulp	<0.05	<0.005	<1	<0.5	0.8
IMA2871	Rock Pulp	<0.05	<0.005	<1	<0.5	1.0
IMA2872	Rock Pulp	0.08	<0.005	<1	<0.5	1.5
IMA2873	Rock Pulp	<0.05	<0.005	<1	<0.5	0.8
IMA2874	Rock Pulp	<0.05	<0.005	<1	<0.5	<0.5
IMA2875	Rock Pulp	0.07	<0.005	<1	6.7	<0.5
IMA2876	Rock Pulp	0.06	<0.006	<1	2.0	<0.5
IMA2877	Rock Pulp	<0.05	<0.005	<1	2.8	<0.5
IMA2878	Rock Pulp	0.08	<0.005	<1	1.7	<0.5
IMA2879	Rock Pulp	<0.05	<0.005	<1	1.8	<0.5



BUREAU MINERALIABORATORIES

9050 Shaughnessy St. Vancouver British Columbia V6P 6E5 Canada

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Submitted By:

R.A. MacGregor

Receiving Lab: Received: Canada-Vancouver July 11, 2018

Report Date:

July 30, 2018

Page:

1 of 5

CERTIFICATE OF ANALYSIS

CLIENT JOB INFORMATION

Bureau Veritas Commodities Canada Ltd.

Project: None Given
Shipment ID:
P.O. Number

Number of Samples:

120

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

ADDITIONAL COMMENTS

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SLBHP	120	Sorting, labeling and boxing samples received as pulps			VAN
MA200	120	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN

SAMPLE DISPOSAL

PHONE (604) 253-3158

IMM-PLP

Return immediately after analysis

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

Invoice To:

MacGregor, R.A.

28 Ford St.

Sault Ste. Marie Ontario P6A 4N4

Canada

CC:

KERRY JAY

This 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. All results are considered the confidential property of the client, Bureau Veritas 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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Project:

Client:

MacGregor, R.A. 28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

None Given

Report Date:

July 30, 2018

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

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Page:

3 of 5

Part: 1 of 3

CERTIFIC	ATE OF AN	ΑL	AST S		-10			T N								N/	N.Y.	(0.0)	3776	4	
	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	BI	ν	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	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	0.1
IMA2599	Rock Pulp	5.7	1663.9	403.9	81	0.9	12.4	24.5	49	1.70	7	303.6	1078.5	17	0.6	0.2	2.3	15	0.05	0.097	
IMA2600	Rock Pulp	2.6	7.1	22.5	4	<0.1	6.6	2.0	27	0.36	2	17.0	92.3	22	<0.1	<0.1	<0.1	8	0.02	0.012	127.7
IMA2601	Rock Pulp	4.9	11.1	67.8	4	<0.1	11.1	8,8	35	0.73	3	87.8	447.3	14	<0.1	0.2	0.6	10	0.02	0.040	425.7
IMA2602	Rock Pulp	2.5	11.9	78.7	8	<0.1	7.3	7.0	21	0.54	3	88.2	349.7	15	<0.1	0.1	0.4	10	0.02	0.035	362.1
IMA2603	Rock Pulp	3.1	811.4	267.8	485	0.6	8.3	9.0	86	0.97	4	94,3	286.8	12	3.2	0.2	1.2	7	0.37	0.034	326.2
IMA2604	Rock Pulp	4.3	731.9	267.1	448	1.0	10.5	20.7	95	1.94	24	254.6	1046.3	40	4.2	0.5	1.2	11	0.04	0.096	1149.0
IMA2605	Rock Pulp	4.1	9.8	95.4	7	<0.1	5.8	3.3	19	0.41	2	50.1	284.6	14	<0.1	<0.1	0.2	9	0.03	0.030	285.4
IMA2606	Rock Pulp	0.7	50.4	3.9	6	<0.1	16.6	5.0	84	0.82	<1	2.1	6.7	25	<0.1	<0.1	<0.1	9	0.20	0.007	12.5
IMA2607	Rock Pulp	6.5	13.3	90.1	3	0.2	10.2	9.3	21	0.71	5	231.2	1386.7	28	<0.1	0.2	0.8	15	0.04	0.154	1576.3
IMA2608	Rock Pulp	3.2	21.0	92.8	5	0.1	6.0	4.1	46	0.50	3	107.2	579.8	23	<0.1	0.2	1.2	11	0.10	0.062	678.4
IMA2609	Rock Pulp	2.7	6.3	31.3	4	<0.1	7.3	2.3	30	0.49	<1	15,9	64.5	14	<0.1	<0.1	0.2	8	0.02	0.011	78.5
IMA2610	Rock Pulp	3.4	10.3	39.9	4	<0.1	8.1	3,8	23	0.45	2	78.4	382.6	19	<0.1	0.2	0.2	13	0.04	0.048	439.5
IMA2611	Rock Pulp	1.0	26.7	5.5	6	<0.1	14.6	4.5	127	0.88	2	3.1	9.6	43	<0.1	<0.1	<0.1	12	0.39	0.007	16.3
IMA2612	Rock Pulp	2.2	120.0	14.8	12	0.1	20.4	23.5	405	2.14	26	40.4	122.2	39	<0.1	0.2	0.6	80	0.76	0.038	136.0
IMA2613	Rock Pulp	1.7	29.1	8.0	25	<0.1	30.0	12.2	108	2.27	<1	5.9	17.4	84	<0,1	<0.1	<0.1	51	0.16	0.018	29.1
IMA2614	Rock Pulp	2.4	33.7	8.4	4	<0.1	15.8	10.4	53	0.82	9	2.0	6.0	19	<0.1	<0.1	0.3	16	0.04	0.002	9.1
IMA2615	Rock Pulp	1.3	5.1	2.2	2	<0.1	11.4	1.1	25	0.31	<1	2.1	5.6	39	<0.1	<0.1	<0.1	2	<0.01	0.004	12.1
IMA2616	Rock Pulp	2.4	5.3	11.3	5	<0.1	12.6	6.7	55	0.94	10	11.0	53.5	39	<0.1	0.1	0,1	16	0.18	0.008	76.9
IMA2617	Rock Pulp	5.6	54.4	86.0	101	2.2	12.9	17.3	19	0.48	11	297.1	1330.6	29	0.4	0.2	1.0	14	0.06	0.133	1427.7
IMA2618	Rock Pulp	1.9	18.7	23.6	20	0.4	13.8	9.9	118	1.90	13	25.0	80.6	27	<0.1	<0.1	0.3	22	0.11	0.018	110.5
IMA2619	Rock Pulp	4.6	2.7	23.5	5	0.3	8.1	16.4	22	0.82	16	67.7	370.7	19	<0.1	0.1	0.3	10	0.02	0.042	412.1
IMA2620	Rock Pulp	9.3	64.5	1056.0	1364	0,6	13.8	38.9	38	1.03	29	323.4	980.5	19	7.2	0.3	0.8	15	0.08	0.108	1056.8
IMA2621	Rock Pulp	1,1	455.4	25.4	45	0.1	11.9	5.7	95	1.54	6	2.1	6.7	10	0.2	0.2	0.1	22	0.04	0.005	20.8
IMA2622	Rock Pulp	0.7	42.5	75.6	186	0.1	50.0	32.8	773	6.66	2	15.8	116.2	216	0.4	<0.1	<0.1	158	2.74	0.168	~ ~~~
IMA2623	Rock Pulp	2.7	4.0	21.3	12	0.2	9.6	21.5	30	0.46	26	85.7	260.0	19	<0.1	0.2	0,4	9	0.04	0.036	
IMA2624	Rock Pulp	2.9	99.7	30,1	5	0.2	9.2	9.2	81	0.68	15	86.1	640.0	25	<0.1	0.2	0.2	15	0.14	0.069	
IMA2825	Rock Pulp	2.7	5,5	9.5	2	0.2	6.7	6.9	27	0.39	12	11.9	65.4	15	<0.1	<0.1	0.1	8	0.02	0.009	
IMA2626	Rock Pulp	1.2	5.1	2.1	2	<0.1	11.9	1.5	33	0.47	2	0.8	4.0	41	<0.1	<0.1	<0.1	9	<0.01	0.005	
IMA2627	Rock Pulp	2.4	17.2	47.2	27	0.1	7.1	3.3	73	1.32		6.5	35.4	51	<0.1	<0.1	<0.1	15	0.06	0.004	
IMA2628	Rock Pulp	1.2	14.8	4.5			6.3	1.6	49	0.39	1	2.8	9.2	19	<0.1	<0.1	<0.1		0.08	0.007	



MINIERAL LABORATORIES

Rock Pulp

142

0.04

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28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project:

Report Date:

Client:

None Given July 30, 2018

Bureau Veritas Commodities Canada Ltd.

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Page: 3 of 5 Part. CERTIFICATE OF ANALYSIS Marine and a series Method MA200 MA200 MA200 MA200 MA 200 MA 200 MA200 MA200 MA200 MA 200 MA200 MA200 MA 200 MA200 MA200 MA200 Analyte Cr Mg Ba TI Na Zr Ce Sn Ta Sc ₽b H Unit ppm ppm maa nom nnm nnm ppm mag DDM ppm ppm ppm ppm ppm MDI 0.01 0.001 0.01 0.001 0.01 1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 IMA2599 Rock Pulp 295 0.19 342 0.2453.69 0.037 2.65 1864 0.8 171.0 2.8 94.9 27.2 3.3 2 7.7 0.7 158.1 IMA2600 Rock Pulp 113 0.04 657 0.083 4.18 0.154 4.87 0.3 98.1 230 0.9 7.4 6.1 0.6 1.5 < 0.1 174.1 2.7 IMA2601 Rock Pulp 193 0.08 381 0.150 4.17 0.055 3.38 0.4 98.2 758 16.9 2.3 1.5 36,1 2.1 2 149.5 2.6 0.2 IMA2802 79 Rock Pulp 0.07 431 0.1394.72 0.062 3.73 0.3 100.8 653 1.5 31.0 14.5 1.6 2 29 166.7 3.0 0.2 IMA2603 Rock Pulp 214 0.17 156 0.097 1,33 0.143 0.87 0.2 61.7 570 0.8 32.2 13.9 0.4 5.5 0.351.2 IMA2604 185 Rock Pulp 0.79 523 0.153 2.68 0.033 2.58 0.6 115.3 >2000 1.3 86.9 18.3 0.8 <1 17.9 2.6 0.3 105,1 IMA2605 Rock Pula 72 0.08 403 0.060 0.1334.43 3.63 0.3 102.4 511 22.4 12.3 1.4 2 2.6 <0.1 148.6 IMA2606 Rock Pulp 106 0.23 0.016 1.73 1.160 0.10 0.1 52.3 23 0.2 1.9 0.6 < 0.1 <1 2.9 5.1 0.1 IMA2607 Rock Pulp 160 0.08 527 0.446 4.33 0.047 4.02 >2000 0.9 309.4 2.3 104.3 48.2 5.5 2 6.6 0.3 184 4 IMA2608 113 Rock Pulp 0.11 790 0.190 4.37 0.059 4.86 0.9 180.4 1193 20.1 2.3 1.8 46.4 2.8 <0. 202.7 5. IMA2609 Rock Pulp 159 0.06 461 4.53 0.120 0.088 3.63 0.2 139 7.2 0.7 2 91.2 1.5 6.1 2.0 <0.1 150.7 IMA2610 Rock Pulp 78 0.08 578 0.284 5.24 0.054 4.56 0.6 783 2.4 2 227.0 2.0 36.5 21.1 3.3 < 0.1 204.3 IMA2611 Rock Pulp 118 0.32 12 0.021 2.64 33 1.918 0.11 0.3 56.3 0.1 2.6 0.8 <0.1 <1 <0.1 4.5 IMA2612 Rock Pulp 155 3.93 0.67 676 0.185 7.26 0.993 0.9 164.7 253 2.5 22.2 11.9 1.2 3 21.9 < 0.1 222.2 IMA2613 Rock Pulp 118 122 0.86 0.072 6.14 2.904 1.18 0.6 153.4 59 1.1 5.3 1.7 0.2 13.7 0.1 59.2 IMA2614 Rock Pulp 352 0.05 577 0.011 2.30 2.99 0.2 32.4 17 0.048 0.3 1.5 1.2 0.1 107.0 <1 <1 1.5 IMA2615 Rock Pulp 161 <0.01 0.008 1.09 0.158 <0.1 34.4 24 0.24 0.2 1.8 0.5 < 0.1 <1 1.8 < 0.1 7.2 <1 IMA2616 Rock Pulp 115 0.16 1460 0.067 5.89 6.53 137 0.138 1.2 107.8 0.9 5.2 6.6 0.5 <1 4.6 0.2 229.3 3.0 IMA2617 Rock Pulp 90 0.06 568 0.313 3.61 0.048 3.91 1.0 182.6 >2000 1.9 122.6 39.4 4.5 2 7.1 3 0.1 168.7 IMA2618 Rock Pulp 260 0.40 410 2.87 0.612 2.02 0.2 0.144 123.1 202 8.0 11.9 11.5 1.4 7.1 0.1 73.3 3.2 IMA2619 Rock Pulp 133 0.08 716 0.134 4.64 0.065 5.00 1.0 113.0 739 2.1 27.1 13.6 1.7 <1 5.0 0.4 212.2 3.0 IMA2620 178 Rock Pulp 0.22 344 0.270 3.84 0.036 2.85 0.7 141.7 1878 3.0 106,3 28.6 3.7 2 9.0 0.3 184.2 3.9 IMA2621 Rock Pulp 129 0.49 121 0.057 1.83 0.379 0.67 0.2 56.4 40 0.8 2.6 2.5 0.1 6.9 <1 <0.1 33.3 IMA2622 Rock Pulp 90 4.42 346 1.060 6.10 1.340 0.72 0.5 194.8 64 1.1 24.4 10.4 0.7 16 45.9 < 0.1 28.9 4.6 IMA2623 128 Rock Pulp 0.04 0.107 3.61 697 0.057 4.50 0.7 90.4 562 1.0 23.5 10.5 1.1 <1 0.1 170.6 2.4 IMA2624 Rock Pulp 117 0.09 629 0.170 2.88 0.051 3.53 1.3 115.0 1345 1.0 54.2 19.0 2.1 <1 2 4.9 0.2 150.4 3.1 IMA2625 123 Rock Pulp 0.02 567 0.082 2.45 0.045 3.12 0.5 82.4 130 0.7 6.5 0.6 6.6 <1 0.8 <0. 121.7 2.2 IMA2626 Rock Pulc 187 0.05 0.022 91 2.08 0.247 0.73 0.1 41.0 23 0.5 1.6 0.9 <0.1 <1 <1 3.0 <0.1 28.4 1.1 IMA2627 Rock Pulp 95 0.24 1443 0.134 5.87 0.4396.38 0.4 89.0 82 4.8 9.9 1.0 <1 6.6 <0.1 176.9 2.4

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St. Vancouver British Columbia V6P 6E5 Canada PHONE (604) 253-3158

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Sault Ste. Marie Ontario P6A 4N4 Canada

Project:

None Given

Report Date:

July 30, 2018

Page:

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3 of 3

	Method	MA200		MA200	MA200	MA200
	Analyte	ln	Re	Se	Te	TI
	Unit	ppm	ppm	ppm	ppm	ppm
	MDL	0.05	0.005	1	0.5	0.5
IMA2599	Rock Pulp	0.18	<0.005	2	<0.5	0.7
IMA2600	Rock Pulp	<0.05	<0.005	<1	<0.5	0.6
IMA2601	Rock Pulp	<0.05	<0.005	2	<0,5	<0.5
IMA2602	Rock Pulp	<0.05	<0.005	<1	<0.5	0.6
IMA2603	Rock Pulp	0.16	<0.005	<1	<0.5	<0.5
IMA2604	Rock Pulp	0.27	<0.005	2	<0,5	0.7
IMA2805	Rock Pulp	<0.05	<0.006	2	<0.5	0.5
IMA2608	Rock Pulp	<0.05	<0.005	2	<0.5	<0.5
IMA2607	Rock Pulp	<0.05	<0.005	1	<0.5	0.7
IMA2608	Rock Pulp	<0.05	<0.005	<1	<0.5	0.7
IMA2609	Rock Pulp	<0.05	<0.005	<1	<0.5	0.5
IMA2610	Rock Pulp	<0.05	<0.005	1	<0.5	0.8
IMA2611	Rock Pulp	<0.05	<0.005	<1	<0.5	<0.5
IMA2612	Rock Pulp	<0.05	<0.005	<1	<0.5	1.0
IMA2613	Rock Pulp	<0.05	<0.005	<1	<0.5	<0.5
IMA2614	Rock Pulp	<0.05	<0.005	<1	<0.5	<0.5
IMA2615	Rock Puip	<0.05	<0.005	<1	<0.5	<0.5
IMA2616	Rock Pulp	<0.05	<0.005	<1	<0.5	1.3
IMA2617	Rock Pulp	<0.05	<0.005	2	<0.5	0.7
IMA2618	Rock Pulp	<0.05	<0.005	<1	<0.5	<0.5
IMA2619	Rock Pulp	<0.05	<0.005	2	<0.5	0.8
1MA2620	Rock Pulp	0.09	<0.005	2	<0.5	0.9
IMA2621	Rock Pulp	<0.05	<0.005	<1	<0.5	<0.5
IMA2622	Rock Pulp	0.05	<0.005	<1	0.8	<0.5
IMA2623	Rock Pulp	<0.05	<0.005	<1	<0.5	0.7
IMA2624	Rock Pulp	<0.05	<0.005	1	<0.5	0.6
IMA2625	Rock Pulp	<0.05	<0.005	<1	<0.5	0.5
IMA2626	Rock Pulp	<0.05	<0.005	<1	<0.5	<0.5
IMA2627	Rock Pulp	<0.05	<0.005	<1	<0.5	0.9
IMA2628	Rock Pulp	<0.05	<0.005	<1	<0.5	<0.5



IMA2657

IMA2658

MINERAL LABORATORIES

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28 Ford St. Sault Ste. Marie Ontario P6A 4N4 Canada

MacGregor, R.A.

Project:

Client:

None Given

Report Date:

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Bureau Veritas Commodities Canada Ltd.

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Rock Pulp

Rock Pulp

Rock Pulp

Page:

368.6

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4 of 5

Part: 1 of 3

						#															
	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	8r	Cd	Sb	BI	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	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	0.1
IMA2629	Rock Pulp	2.1	13.3	29.3	<u> 4</u>	0.2	5.6	6.7	25	0.52	8	111.8	378.3	26	<0.1	0.2	0.5	11	0.02	0.044	487.0
IMA2630	Rock Pulp	3,5	3.0	13.0	<1	0.1	6.8	10.1	22	0.43	13	23.3	109.6	20	<0.1	0.2	0.2	11	0.02	0.012	112.1
IMA2631	Rock Pulp	1.1	7.0	23.9	3	0.1	6,4	7.5	26	0.61	4	58.7	327.0	21	<0.1	0.1	0.3	13	0.06	0.039	434.2
IMA2832	Rock Pulp	2.0	71.4	5.4	37	<0.1	68.9	25.4	247	4.36	50	4.1	9.8	15	<0.1	0.4	0,3	182	0.08	0.044	26.3
IMA2633	Rock Pulp	0.5	2.4	2.8	2	<0.1	3.5	0.4	13	0.15	<1	2.2	8.4	44	<0.1	<0.1	<0.1	6	<0.01	0.004	16.7
IMA2634	Rock Pulp	8.7	126.7	161.0	94	0.2	9.0	12.9	209	1.63	8	62.8	388.3	31	0.2	0.1	1.2	15	0.24	0.044	392.6
IMA2635	Rock Pulp	0.9	33.8	120.8	261	0.1	22.4	9.5	86	1.56	5	3.1	9.0	42	1.4	<0.1	0,1	24	0.13	0.010	16.4
IMA2836	Rock Pulp	9.3	165.5	1227.7	1514	0.5	10.7	13.8	68	1.08	5	507.2	1433.8	48	9.5	0.2	0.5	17	0.36	0.198	>2000
IMA2637	Rock Pulp	0.8	149.6	8.2	6	<0.1	2.8	1.1	43	0.44	≺1	2.4	9.4	10	<0.1	<0.1	<0.1	4	0.04	0.001	7.3
IMA2638	Rock Pulp	3.5	5621.6	18,8	103	2.4	23.1	9.8	105	3.23	<1	13.4	41.0	10	1.2	<0.1	0.9	65	0.09	0.020	62.1
IMA2639	Rock Pulp	1,1	36.6	213.5	338	0.2	26.0	8.8	145	1.59	3	3.1	8.0	40	1.5	<0.1	0.3	22	0.15	0.010	20.3
IMA2840	Rock Pulp	1.0	56.8	22.4	89	<0.1	50.0	33.2	951	6.82	26	7.9	10,7	71	<0.1	0.2	<0.1	222	3.03	0.070	26.1
IMA2641	Rock Pulp	4.2	674.6	156.8	318	0.4	10.7	6.9	129	0.86	3	147.1	648.3	18	2.3	0.2	0.8	6	0.87	0.059	387.9
IMA2642	Rock Pulp	2.2	47.7	405.9	682	0.2	60.6	23.2	231	3.86	26	8.4	19.5	33	2.9	0,1	0.2	116	0.13	0.045	41.2
IMA2643	Rock Pulp	1.0	60.5	53.0	69	<0.1	3.7	2.9	43	0.60	3	28.1	149,8	17	0.3	<0.1	0.2	7	0.05	0.016	200.4
IMA2644	Rock Pulp	4.9	18.6	367.2	260	0.3	5.2	7.9	30	0.79	2	195.9	785.0	19	1.7	0.1	0.6	15	0.04	0.075	804.8
IMA2645	Rock Pulp	5,8	59.9	247.8	621	0.2	7.7	9.4	58	1.16	3	86.7	473.5	30	4.2	0.2	0.2	11	0.13	0.049	516.7
IMA2646	Rock Pulp	2.6	22.7	11.7	5	<0.1	3.9	3.1	39	0.29	5	12.2	70.2	13	<0.1	<0.1	0.7	7	0.07	0.008	108.8
IMA2847	Rock Pulp	2.9	6.3	87.9	20	<0.1	5.8	6.8	99	0.83	3	84.6	338.1	30	<0.1	0.2	0.4	12	0.23	0.043	403.9
IMA2648	Rock Putp	10.7	76.8	1101.7	1083	0.8	9.7	22.9	149	1.63	10	568.4	1599.3	24	7.0	0.4	1.7	16	0.23	0.150	1547.2
IMA2649	Rock Pulp	4.7	58.8	23.4	90	<0.1	23.9	29.6	205	5.01	16	25,4	102.8	88	0.2	<0.1	<0.1	151	0.30	0.062	125.0
IMA2650	Rock Pulp	11.8	107.1	377.5	1213	0.4	7.4	16.6	65	0.93	9	369.7	878.1	24	9.4	0.3	0,8	13	0.30	0.102	968.9
IMA2651	Rock Pulp	2.0	43.2	196.0	166	0.2	6.6	9.5	78	0.54	3	238.8	510.8	13	0.8	<0.1	0.7	10	0.15	0.039	445.9
IMA2652	Rock Pulp	1.7	126.1	82.8	147	0.3	108.9	32.3	410	6.17	15	4.5	10.7	14	0.4	0.3	0.2	192	0.10	0.052	18.1
IMA2653	Rock Pulp	4.4	23.0	50.0	11	<0.1	7.2	9.0	182	0.93	7	53.0	368.3	28	<0.1	<0.1	0.4	20	0.32	0.053	506.9
IMA2654	Rock Pulp	1.1	13.9	37.8		0.1	7.9	6.2	23	0.48		140,3	866.0	27	<0.1	<0.1	0.4	15	0.05	0.078	816.0
IMA2655	Rock Pulp	7.0	76.3	172.9	29	0.6	8.7	5.2	330	1.01		82.3	605.6	28	<0.1	<0.1	2.3	15	0.56	0.067	682.3
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MINERAL LABORATORIES

Rock Pulp

180

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Client:

MacGregor, R.A.

28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project:

Report Date:

None Given July 30, 2018

Bureau Veritas Commodities Canada Ltd.

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Page:

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Part. en branche die annaberen Method MA200 MA200 MA200 MA 200 MA 200 MA 200 MA 200 MA200 MA200 **MA200** MA200 MA200 MA200 MARINO MA200 MA200 MA200 MA 200 Analyte Cr Na B Ti Zr Ce Sn Nb Be Sc Rb H Unit ppm ppm opm mag nom maa maa nnm ppm mag maa maq ppm MDL 0.01 1 0.001 0.01 0.001 0.01 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 IMA2629 Rock Pulp 79 0.10 861 0.139 4.79 0.066 5.19 0.7 120.6 843 39.1 13.6 2.0 5.9 3.7 2.3 2 0.2 227.7 IMA2630 Rock Pulp 121 0.02 646 0.103 0.057 3.91 132.9 192 7.7 3.01 0.4 0.8 10.2 0.9 1.0 0.1 154.2 3.9 74 IMA2631 Rock Pulo 0.18 780 0.178 4.82 0.058 4.76 0.7 147 1 762 2.6 35.6 14.0 2 8.3 1.5 < 0.1 210.9 IMA2632 Rock Pulp 168 1.07 552 0.447 10.85 0.056 6.35 3.0 137.6 58 8.1 10.3 0.9 3 27.3 0.2 314.7 21 4 1 IMA2633 Rock Pulp 56 < 0.01 32 0.010 1.40 0.161 0.39 0.1 42 5 29 0.2 1.6 0.4 <0.1 <1 0.8 11.4 < 0.1 IMA2634 Rock Pulp 167 732 2.24 0.59 0.189 2.71 0.415 0.4 82.9 685 1.3 30.7 29.7 2.0 <1 10.7 0.3 103.7 2.4 IMA2635 Rock Pulp 119 0.51 Ŕ 0.041 3.65 2.579 0.07 58.7 31 0.2 0.2 2.3 1.3 <0.1 <1 3 9.3 0.2 2.9 IMA2636 153 Rock Pulp 0.28 2000 539 0.342 3.39 0.419 2.80 1.0 197.2 2.8 137.4 40.8 43 12.7 0.2 127.4 5.8 IMA2637 Rock Pulp 66 0.10 203 1.07 29.6 0.011 1.22 0.158 0.1 13 2.7 0.3 1.2 1.1 < 0.1 <1 <0.1 41.8 0.9 IMA2638 Rock Pulp 225 0.83 358 0.207 4.18 0.260 2.29 0.7 79.7 108 4.8 8.6 16.2 0.6 21.5 166.8 0.6 IMA2639 Rock Pulp 108 0.58 26 0.031 3.23 1.802 0.30 60.8 39 0.2 0.3 3.2 0.8 < 0.1 <1 8.5 0.1 13.B IMA2640 Rock Pulp 100 2.45 147 0.179 7.34 1.634 1.49 0.4 156.4 53 8.6 2.2 1.2 0.2 23 36.0 80.7 0.2 IMA2641 Rock Pulp 174 0.19 198 0.140 1.22 0.148 1.08 24.0 0.7 70.3 8.1 0.3 850 0.1 <1 5.3 0.2 42.0 0.2 IMA2642 Rock Pulp 142 8.43 1.58 342 0.1441.014 3.83 1.0 166,5 81 2.2 8.3 4.4 0.2 2 15 21.1 0.2 174.3 IMA2843 Rock Pulp 84 0.17 336 0.222 0.059 1.87 1.97 0.2 71.7 356 0.5 16.3 4.9 0.5 <1 3.1 <0.1 61.9 2.1 IMA2644 Rock Pulp 82 0.26 434 0.257 4,87 0.042 3.66 0.6 201.0 1431 3.3 22.1 2.7 2 8.6 80.4 190.9 5.9 0.2 **IMA2645** Rock Pulp 132 0.36 14.8 696 0.1683.78 0.515 3.48 0.3 136.0 914 1.7 44.1 1.6 10.1 0.2 142.4 IMA2646 Rock Pulp 63 0.04 338 0.042 1.58 0.029 1,98 41.5 173 0.3 4.3 0.3 6.8 0.4 <1 0.8 < 0,1 69.8 IMA2647 Rock Pulp 108 0.21 921 0.240 3,34 0.052 4.04 0.8 733 110.9 1.4 36.9 24.8 3.0 5.2 0.1 191.0 3.1 IMA2648 Rock Pulp 66 0.56 480 0.2263.88 0.062 3.10 0.6 2000 3.0 134.0 163.9 26.9 3.7 16.2 0.7 168.8 IMA2649 Rock Pulp 124 1.65 357 0.609 7.29 3.662 2.88 0.4 175.6 227 2.0 16.5 25.4 1.6 2 18.5 285.1 < 0.1 IMA2650 88 Rock Pulp 0.33 685 0.267 3.41 0.169 2.97 0.7 223.4 1728 2.8 104.8 25.6 2.9 2 12.7 0.2 146.1 IMA2651 Rock Puip 91 0.07 311 1.66 0.064 0.120 1.76 1.2 55.9 815 0.7 51.5 25.6 0.9 <1 2 2.1 0.2 66.4 IMA2652 Rock Pulp 229 1.54 539 0.473 5.26 152.6 42 9.75 0.051 3.1 5.0 9.8 11.4 0.9 24 33.6 0.5 254.0 IMA2653 Rock Pulp 118 0.15 701 0.061 4.04 23.1 0.218 3,54 3.5 141.5 909 1.9 32.4 2.5 <1 3 4.0 0.2 153.0 IMA2654 Rock Pulp 80 0.12 757 0.289 5,25 0.055 4.51 0.7 255.8 1449 2.8 24.1 2.9 2 77.9 6.6 <0.1 216.2 6.9 IMA2655 Rock Pulp 208 0.24 457 0.263 2.45 0.044 2.67 1.2 110.6 1226 1.5 48.5 22.7 0.8 3.7 <1 0.1 104.9 3.2 IMA2656 Rock Pulp 139 0.09 689 0.237 4.73 0.051 178.8 731 4.44 0.4 2.3 36.4 19.1 2.1 3.8 3 <0.1 196.4 IMA2657 Rock Pulp 167 1.02 0.508 687 11,17 0.063 6.44 3.4 145.6 65 10.4 12.2 1.1 30.4 0.4 328.1 4.

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BUREAU MINERAL LARGRATORIES VERITAS (120 cm.)

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

MacGregor, R.A.

28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project:

None Given

Report Date:

July 30, 2018

Page:

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3 of 3

	Method		MA200	MA200	MA200	MA200
	Analyte	In	Re	Se	Te	TI
	Unit	ppm	ppm	ppm	ppm	ppm
	MDL	0.05	0.005	1	0.5	0.5
IMA2629	Rock Pulp	<0.05	<0.005	<1	<0.5	1.1
IMA2630	Rock Pulp	<0.05	<0.005	<1	<0.5	0.7
IMA2631	Rock Pulp	<0.05	<0.005	<1	<0.5	1.0
IMA2632	Rock Pulp	0.11	<0.005	<1	<0.5	1.7
IMA2633	Rock Pulp	<0.05	<0.005	<1	<0.5	<0.5
IMA2634	Rock Pulp	<0.05	<0.005	1	<0.5	0.7
IMA2635	Rock Pulp	<0.05	<0.005	<1	<0.5	<0.5
IMA2636	Rock Pulp	0.18	<0.005	1	<0.5	0.8
IMA2637	Rock Pulp	<0.05	<0.005	<1	<0.5	<0.5
IMA2638	Rock Pulp	0.31	<0.005	2	<0.5	1.2
IMA2639	Rock Pulp	<0.05	<0.005	· <1	<0.5	<0.5
IMA2640	Rock Pulp	<0.05	<0.005	<1	<0.5	<0.5
IMA2641	Rock Pulp	0.29	<0.005	2	<0.5	<0.5
IMA2642	Rock Puip	0.08	<0.005	<1	<0.5	1.1
IMA2643	Rock Pulp	<0.05	<0.005	<1	<0.5	<0.5
IMA2644	Rock Pulp	<0.05	<0.005	<1	<0.5	1.2
IMA2645	Rock Pulp	0.17	<0.005	<1	<0.5	0.9
IMA2646	Rock Pulp	<0.05	<0.005	1	<0.5	<0.5
IMA2647	Rock Pulp	<0.05	<0.005	<1	<0.5	1.0
IMA2648	Rock Pulp	0.07	<0.005	2	<0.5	1.2
IMA2649	Rock Pulp	<0.05	<0.005	<1	<0.5	2.8
IMA2650	Rock Pulp	0.25	<0.005	1	<0.5	0.8
IMA2651	Rock Pulp	<0.05	<0.005	1	<0.5	<0.5
IMA2652	Rock Pulp	0.12	0.009	2	<0.5	1.6
IMA2653	Rock Pulp	<0.05	<0.005	<1	<0.5	0.7
IMA2654	Rock Pulp	<0.05	<0.005	1	<0.5	1.0
IMA2655	Rock Pulp	<0.05	<0.005	<1	<0.5	<0.5
IMA2656	Rock Pulp	<0.05	<0.005	<1	<0.5	1,1
IMA2657	Rock Pulp	0.09	0.008	1	<0.5	1.7
IMA2658	Rock Pulp	<0.05	<0.005	<1	<0.5	0.9



BUREAU MIDERAL LABORATORIES

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None Given

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July 30, 2018

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Page:

5 of 5

Part: 1 of 3

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	oates obean	JA L	(8) S	1.71					44,							17.		100			
	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA20
	Analyte	Мо	Cu	Pb	Zn	Ag	NI	Ço	Mn	Fe	As	U	Th	Şr	Cd	Sb	ы	v	Ca	P	ı
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	pp
	MDL	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	(
IMA2659	Rock Pulp	1.3	1418.4	49.9	23	0.4	10.2	2.6	94	0.77	<1	1.6	4.4	3	0.2	0.1	0.2	3	0.08	<0.001	
IMA2660	Rock Pulp	2.6	10.4	13.7	21	0.1	12.9	9.8	52	1.44	2	18.7	92.7	51	<0.1	<0.1	0.2	16	0.07	0.013	122
IMA2661	Rock Pulp	8.4	57.1	1087.1	1127	1.0	12.1	36.5	78	1.31	19	472.6	1189.8	25	7.3	0.3	4.5	15	0.32	0.118	
IMA2682	Rock Pulp	1.2	104.5	90.3	129	0.5	28.5	27.8	473	5.89	19	26.3	70.4	36	<0.1	<0.1	0.7	109	0.17	0.037	68
IMA2663	Rock Pulp	1.5	26.6	20.3	4	0,1	8.7	12.5	45	0.62	11	65.6	475.5	19	<0.1	0.1	0.3	14	0.07	0.055	
IMA2664	Rock Pulp	0.6	7.3	8.0	3	<0.1	3.6	3.4	40	0.31	3	10.8	64.8	10	<0.1	<0.1	0.2	7	0.09	0.008	
IMA2665	Rock Pulp	5.9	50.8	144.6	13	0.6	17.5	14.8	244	2.02	8	58.7	241.8	39	<0.1	0.2	2.3	17	0.19	0.033	::
IMA2686	Rock Pulp	14.8	91.2	1052.1	1356	0.9	19.0	54.7	38	2.06	7	526.4	1921.1	19	6.4	0.3	2.3	14	0.09	0.186	~
IMA2687	Rock Pulp	1.7	24.1	8.0	2	<0.1	7.4	5.3	55	0.51	8	11.8	78.7	15	<0.1	0.1	0.3	9	0.07	0.008	100
IMA2668	Rock Pulp	15.3	52.2	558.5	415	0.4	11.7	25.6	88	1.44	. 2	406.6	1630.8	22	1.9	0.2	1.1	17	0.18	0.156	
IMA2689	Rock Pulp	1.6	6.9	11.1	11	<0.1	8.7	4.7	44	1.14	3	11.9	69.3	44	<0.1	0.1	0.1	18	0.02	0.010	***
IMA2670	Rock Pulp	0.6	1.8	2.9	1	<0.1	4.9	0.5	16	0.18	1	0.9	4.0	30	<0.1	<0.1	<0.1	3	<0.01	0.002	
IMA2671	Rock Pulp	2.5	15.6	8.4	32	<0.1	10.3	7.5	93	0,80	6	48.3	275.6	24	<0.1	0.1	0.1	15	0.22	0.036	
IMA2672	Rock Pulp	3.0	34.1	31.6	5	0.2	10.8	14.2	48	0.79	12	137.2	851.1	22	<0.1	0.1	0.3	11	0.09	0.086	
IMA2673	Rock Pulp	2.4	22.6	35.7	21	<0.1	7.2	4.5	109	1.38	2	18.1	69.5	45	<0.1	0.1	<0.1	16	0.10	0.008	8
IMA2674	Rock Pulp	3.6	2.3	15.4	3	<0.1	4.5	9.5	17	0.24	10	33.9	175.9	18	<0.1	<0.1	0.2	7	0.05	0.021	19
IMA2675	Rock Pulp	1.8	157.6	16.1	В	<0.1	13.9	12.5	139	1.24	9	2.9	8.3	15	<0.1	0.1	1.2	18	0.21	0.004	11
IMA2676	Rock Pulp	1.3	27.2	91.6	218	0,1	27.4	11.0	132	2.14	3	5.3	11.2	45	0.7	<0.1	0.2	22	0.07	0.009	: 1:
IMA2677	Rock Pulp	0,3	122.4	5.7	77	<0.1	70.9	47.9	1315	8,53	5	0.8	2.8	122	<0.1	0.4	<0.1	248	4.16	0.036	!` 1(
IMA2678	Rock Pulp	1.6	28.4	106.1	78	0.1	9.7	7.5	119	1.07	10	7.3	34.5	33	0.4	<0.1	0.2	13	0.18	0.006	4
IMA2679	Rock Pulp	7.9	194.3	540.1	4	1.5	12.6	29.7	27	1.55	12	2179.5	1272.0	25	<0.1	1.1	4.3	10	0.03	0.102	
IMA2680	Rock Pulp	1.2	21.5	63.5	63	0.1	7.2	5.6	81	0.96	3	6.6	41.4	42	0.3	<0.1	0.5	7	0.08	0.008	8;
IMA2681	Rock Pulp	2.3	20.5	71.6	75	0.1	9.3	7.0	116	1.26	5	10.4	68.7	57	0.3	0.1	0.2	13	0.10	0.008	76
IMA2682	Rock Pulp	1.8	13.2	20.3	2	0.1	5.3	5.4	21	0.48	5	48.7	327.1	22	<0.1	0.1	0.3	10	0.10	0.046	39
IMA2683	Rock Pulp	1.8	15.2	5.8		<0.1	8.0	2.9	51	0.50	8	2.0	4.8	15	<0.1	<0.1	0.8		0.13		
IMA2684	Rock Pulp	17.1	25.4	52.4	58	0.2	6.8	4.5	98	1.66	4	10.9	45.3	49	0.1		0.8	22	0.10	0.009	<u>`</u>
IMA2685	Rock Pulp	3.2	2.3	17.8	30	<0.1	4.6	5.2	17	0.36		47.7	124.8			0.2				0.012	4
IMA2686	Rock Pulp	1.6	5.1	34.2	21	<0.1	6.8	2.2	114					16	<0.1	0.1	0.2	9	0.03	0.014	12
IMA2687	Rock Pulp	5.1	12.4	34.∠ 45.5	∡1 54	<0.1				1.17	1	6.1	33.7	49	<0.1	0.1	0.2	18	0.06	0.008	31
IMA2688	Rock Pulp						6.5	2.7	104	1.13	1	8.2	52.2	50	0.3	<0.1	<0.1	9	0.04	0.007	94
IIVIAZDOO	Rock Pulp	4.6	12.6	58.8	33	0.1	12.2	7.0	230	2.20	6	25.2	159.4	56	0.1	0.2	<0.1	40	0.10	0.016	146



BUREAU MINERAL LABORATORIES

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None Given July 30, 2018

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5 of 6

1 1 10 NE (004) 250	-3100											Page:		5 of	5				Pa	art: 2	of 3
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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Cr	Mg	Ba	TI	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	LI	S	Rb	Hf
	Unit	ppm	%	ppm	%	%	%	%	ppm	%	ppm	ppm									
	MDL	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	0.1
IMA2659	Rock Pulp	284	0.10	25	0.005	0.30	0.024	0.16	0.4	2,5	8	0.6	0.0	0.7	<0.1	<1	<1	0.8	0.2	8.4	<0.1
IMA2660	Rock Pulp	161	0.35	1326	0.204	5.46	0.075	6.76	0.4	114.0	205	1.2	12.3	15.8	1.6	<1	2	11.7	<0.1	177.8	3.1
IMA2661	Rock Pulp	140	0.38	573	0.299	3.70	0.036	2.82	0.8	213.2	>2000	4.1	133,4	32.1	4.5	3	3	17.3	0.5	184.5	8.1
IMA2862	Rock Pulp	117	1.70	76	0.302	5.37	1.728	0.55	0.4	129.7	124	0.7	16.0	9.6	1.0	<1	13	24.2	<0.1	30.5	3.6
IMA2663	Rock Pulp	129	0.09	625	0.153	3.17	0.048	3.77	1.2	113.6	959	1.3	43.4	14.7	1.6	<1	2	6.3	0.1	148.6	3.3
IMA2864	Rock Pulp	66	0.05	293	0.033	1.44	0.023	1.66	0.4	40.6	153	0.4	6.5	3.2	0.3	<1	<1	0.8	<0.1	66.3	1.1
IMA2665	Rock Pulp	182	0.31	911	0.269	3.99	0.285	4.46	0.7	200,4	511	1,1	25.0	24.5	2.6	<1	1	9.8	0.3	149.1	5.4
IMA2566	Rock Pulp	109	0.21	270	0.303	2.86	0.029	2.47	1.0	171.4	>2000	2.7	175.0	49.2	6.9	2	4	9.8	1.0	152.8	4.8
IMA2667	Rock Puip	146	0.06	387	0.047	1.89	0.034	2.34	0.9	48.6	192	0,6	8.1	5.2	0.7	<1	<1	1.6	0.1	95.6	1,3
IMA2668	Rock Pulp	144	0.28	280	0.332	3.26	0.028	2.72	8.0	234.3	>2000	3.1	149.5	37,0	4.3	3	5	11.2	0.8	167.5	6.8
IMA2669	Rock Pulp	123	0.31	1061	0.199	5.43	0.064	5.41	0.5	104.6	171	1.6	9.9	13.9	1.4	1	3	13.8	<0.1	185.0	2.8
IMA2670	Rock Pulp	79	< 0.01	18	0.008	1.27	0.225	0.29	<0.1	34.0	19	0.2	1.1	0.3	<0.1	<1	<1	0.6	<0.1	7,5	0.9
IMA2671	Rock Pulp	74	0.22	883	0.247	3.61	0.827	3.88	0.4	134.8	556	0.9	28.7	24.9	2.3	<1	2	2.7	<0.1	76.2	3.8
IMA2672	Rock Pulp	141	0.12	655	0.166	2.81	0.051	3.23	1.0	131.5	1853	1.4	71.6	19.3	2.8	<1	2	5.8	0.3	146.4	3.8
IMA2673	Rock Pulp	58	0.25	1131	0,136	4.69	0.366	5.68	0.4	99.4	162	0.9	8.8	10.7	1.1	<1	2	6.2	0.1	161.4	2.7
IMA2874	Rock Pulp	45	0.05	691	0.069	3.62	0.073	4.34	0.5	83.7	352	0.8	13.2	5.4	0.6	<1	2	2.0	<0.1	169.6	2.3
IMA2875	Rock Pulp	207	0.24	498	0.027	3.13	0.036	3.04	0.4	34.4	20	0.7	2.4	1.7	0.2	<1	1	9.3	0.2	112.2	0.9
IMA2676	Rock Pulp	178	0.76	17	0.029	3.72	2.174	0.20	0.2	85.2	39	0.2	3.1	8.0	<0.1	<1	3	12.4	0.2	8.6	2.4
IMA2677	Rock Pulp	24	3.72	369	0.392	7.21	1.643	1.55	0.2	35.1	22	0.6	13.6	3.3	0.3	1	33	35.0	0.1	47.5	0.9
IMA2676	Rock Pulp	137	0.25	721	0.099	3.50	0.261	3.92	0.3	89.7	64	0.5	4.9	7.8	0.7	<1	2	4.9	<0.1	100.0	2.4
IMA2679	Rock Pulp	152	0.09	222	0.230	3.71	0.043	3.56	1.8	125.9	>2000	3.2	218.1	39.3	8,7	2	2	16.6	1.1	163.6	3.7
IMA2680	Rock Pulp	55	0.16	902	0.059	3,49	0.082	3.91	0.2	71.7	154	0.5	6.6	6.1	0.6	<1	1	5.5	0.1	131.4	2.0
IMA2681	Rock Pulp	66	0.23	1228	0.118	5.06	0.140	4.89	0.3	97.4	140	0.8	8.2	12.0	1.2	<1	2	6,1	0.1	168.8	2.8
IMA2682	Rock Pulp	102	0.07	742	0.185	3.75	0.052	4.58	0.4	133.5	732	1.6	28.9	17.1	1.9	1	2	3.5	0.1	184,7	3.6
IMA2683	Rock Pulp	119	0.04	343	0.007	1.48	0.030	2.13	0.2	26.3	14	0.2	1.3	0.6	<0.1	<1	<1	0.4	0.2	68.1	0.9
IMA2684	Rock Pulp	59	0.39	1255	0.135	7.20	0.800	5.34	0.8	113.1	91	2.8	6.5	10.4	0.9	2	3	15.0	<0.1	192.0	3.2
IMA2685	Rock Pulp	73	0.07	694	0.090	4.15	0.058	4.06	0.6	92.7	235	1.4	14.0	7.1	0.8	<1	2	3.2	<0.1	168,3	2.6
IMA2686	Rock Pulp	102	0.29	1228	0.119	6.43	0.152	5.15	0.4	108.8	73	1.9	5.7	9.7	0.8	2	3	10.8	<0.1	168.9	3.0
IMA2687	Rock Pulp	63	0.21	1065	0.113	4.44	0.090	4.62	0.2	80,6	175	0.8	7.5	9.4	0.9	<1	1	6.8	<0.1	154.6	2.6
IMA2688	Rock Pulp	86	0.52	1425	0.315	8.24	0.321	6.99	0.8	252.3	277	3.8	20.4	26.0	2.6	3	β	21.5	<0.1	280.9	7.0



BUREAU MIMERAL LABORATORIES

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: MacGregor, R.A. 28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project:

None Given

Report Date:

July 30, 2018

Page:

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Part: 3 of 3

	Method	MA200	MA200	MA200	MA200	MA 200
	Analyte	In	Re	Se	Te	TI
	Unit	ppm	ppm	ppm	ppm	ppm
,	MDL	0.05	0.005	1	0.5	0.5
IMA2659	Rock Pulp	0.07	<0.005	<1	<0.5	<0.5
IMA2660	Rock Pulp	<0.05	<0.005	<1	<0.5	1.0
IMA2661	Rock Pulp	0.07	<0.005	2	<0.5	1.2
IMA2662	Rock Pulp	<0.05	<0.005	<1	<0.5	<0.5
IMA2663	Rock Pulp	<0.05	<0.005	<1	<0.5	0.7
IMA2664	Rock Pulp	<0.05	<0.005	<1	<0.5	<0.5
IMA2665	Rock Pulp	0.05	<0.005	<1	<0.5	0.8
IMA2668	Rock Pulp	0.07	<0.005	3	<0.5	0.9
IMA2667	Rock Pulp	<0.05	<0.005	<1	<0.5	<0.5
IMA2668	Rock Pulp	<0.05	<0.005	2	<0.5	0.9
IMA2869	Rock Pulp	<0,05	<0.005	<1	<0.5	0.8
IMA2870	Rock Pulp	<0.05	<0.005	1	<0.5	<0.5
IMA2671	Rock Pulp	<0.05	<0.005	<1	<0.5	<0.5
IMA2672	Rock Pulp	<0.05	<0.005	1	<0.5	0.7
IMA2673	Rock Pulp	<0.05	<0.005	<1	<0.5	0.8
IMA2874	Rock Pulp	<0.05	<0.005	<1	<0.5	0.8
IMA2875	Rock Pulp	<0.05	<0.005	<1	<0.5	0.5
IMA2676	Rock Pulp	<0.05	<0.005	<1	<0.5	<0.5
IMA2677	Rock Pulp	0.09	<0.005	<1	0.8	<0.5
IMA2678	Rock Pulp	<0.05	<0.005	<1	<0.5	0.5
IMA2679	Rock Pulp	<0.05	<0.005	4	<0.5	0.8
IMA2680	Rock Pulp	<0.05	<0.005	2	<0.5	0.7
IMA2681	Rock Pulp	<0.05	<0.005	<1	<0.5	1.0
IMA2682	Rock Pulp	<0.05	<0.005	1	<0.5	0.9
IMA2683	Rock Pulp	<0.05	<0.005	<1	<0.5	<0.5
IMA2684	Rock Pulp	<0.05	<0.005	<1	<0.5	1.0
IMA2685	Rock Pulp	<0.05	<0.005	<1	<0.5	0.7
IMA2686	Rock Pulp	<0.05	<0.005	<1	<0.5	1.0
IMA2687	Rock Pulp	<0.05	<0.005	1	<0.5	1.0
IMA2688	Rock Pulp	<0.05	<0.005	<1	<0.5	1.5



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Submitted By: R.A. MacGregor

Receiving Lab: Canada-Vancouver

MacGregor, R.A.

Sault Ste. Marie Ontario P6A 4N4 Canada

28 Ford St.

Received: March 05, 2018 Report Date: March 12, 2018

Page: 1 of 5

Client:

Bureau Veritas Commodities Canada Ltd. 9050 Shaughnessy St. Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

CLIENT JOB INFORMATION

None Given

Shipment ID:

Project:

P.O. Number

Number of Samples:

109

SAMPLE DISPOSAL

IMM-PLP

Return Immediately after analysis

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

Invoice To:

MacGregor, R.A.

28 Ford St.

Sault Ste. Marie Ontario P6A 4N4

Canada

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SLBHP	109	Sorting, labeling and boxing samples received as pulps			VAN
MA200	109	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN

ADDITIONAL COMMENTS

CC:





www.bureauveritas.com/um

Client:

MacGregor, R.A.

28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project: Report Date:

None Given March 12, 2018

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada PHONE (604) 253-3158

Page:

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Part:

1 of 3

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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mo	Cu	Pb	Zn	Ág	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	티	٧	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	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	0.1
IMA2460	Pulp	3.2	23.3	53.3	51	<0.1	30.8	10,4	100	1.86	10	30.9	124.6	26	<0.1	<0.1	0.3	57	0.13	0.031	151.9
IMA2461	Pulp	1,6	46.3	32.3	34	<0.1	42.3	17.1	127	2.24	14	19.0	93.3	21	0.1	0.1	0.4	73	0.10	0.028	121.7
IMA2462	Pulp	2.4	76.5	54.4	54	0.1	70.1	26.1	230	3.91	24	14.9	50.9	22	<0.1	0.3	0.4	141	0,10	0,045	73.8
IMA2463	Pulp	0.3	15.0	6.8	2	<0.1	7.2	3.2	40	0.74	3	2.8	16.2	32	<0.1	0.2	<0.1	8	0.16	0.003	22.2
IMA2464	Pulp	4.7	23.5	35.0	5	0.2	6.9	11.5	49	0.72	6	106.5	501,9	25	<0.1	0.2	0.3	12	0.16	0.058	574.4
IMA2465	Pulp	1.5	33.8	4.6	3	<0.1	6.4	1.8	40	0.40	2	3.5	10,6	18	<0.1	<0.1	0.7	8	0.06	0.013	14.5
IMA2466	Pulp	1.9	59.8	91.6	166	0.3	52.3	24.2	214	3.04	20	4.7	11.6	82	1.0	0.1	0.4	61	0.21	0.034	23.9
IMA2467	Pulp	2.1	139.1	12.1	39	0.2	120.1	44.8	292	5.42	31	5.1	12.1	15	<0.1	0.6	0.7	201	0.08	0.058	28.0
IMA2468	Pulp	2.3	105.8	10.5	59	0.1	107.4	56.6	467	7,12	41	4.7	11.0	15	<0.1	0.4	0.5	223	0.13	0.070	25.0
IMA2469	Pulp	9,3	56.2	344.1	2	0.2	24.4	39.4	149	2.23	16	45 1.3	2123.1	50	<0.1	0.4	1.6	18	0.29	0.209	>2000
IMA2470	Pulp	4.8	84.8	269.5	286	0.2	8.1	6.5	69	0.74	4	90.7	449.1	27	1.5	0.2	0.4	10	0.12	0.052	478.2
IMA2471	Pulp	8.2	64.2	78.1	1334	0.5	26.8	47.0	85	1.39	51	282.7	1843.0	37	8.6	0.4	2.1	17	0.24	0.183	1913.0
IMA2472	Pulp	4.8	25.0	8.8	5	0.1	8.9	4.4	62	0.59	4	8.4	32.8	20	<0.1	0.2	0.2	4	0.13	0.006	40.5
IMA2473	Pulp	8.0	19.0	35.1	36	0.1	10.7	12.7	70	0.87	13	135.4	891,2	27	0.2	0.3	0.7	12	0.13	0.096	1014.8
IMA2474	Pulp	6.7	22.6	477.0	67	0.2	12.6	18.7	72	1.0B	11	338.2	1331,4	24	0.3	0.2	1.5	13	0.11	0.143	1487.1
IMA2475	Pulp	5.9	32.3	328.5	70	0.3	12.1	27.2	31	0.90	15	402.4	1890.2	27	0.2	0.2	1.3	10	0.07	0.196	>2000
IMA2476	Pulp	3.0	7.5	157.1	49	<0.1	5.5	7.7	32	0.49	6	77.4	507.5	26	<0.1	<0.1	0.6	8	0,11	0.057	611.6
IMA2477	Pulp	5.2	18.0	205.9	235	<0.1	10.6	14.9	75	0.89	6	119.7	795.1	28	1.3	0.1	0.4	10	0.09	0.083	876.1
IMA2478	Pulp	6.4	26.2	267.9	311	0.2	11.1	42.2	27	0.73	16	266.5	910.3	27	1.8	0.2	1.1	11	0.08	0,107	1047.9
IMA2479	Pulp	23.6	90.6	3720.4	373	2.7	17,8	95.3	43	1.86	97	3085.5	>4000	47	2.1	0.8	13.4	16	0,10	0.528	>2000
IMA2480	Pulp	20.8	68.7	335,8	161	0.8	18.1	59.8	80	1.46	52	1141.7	2291.2	30	0.9	0.2	4.3	16	0.15	0.207	>2000
IMA2481	Pulp	7.0	30.5	235.0	241	0.4	9,9	35.5	52	0.74	35	95.0	516.0	29	1.3	<0.1	0.6	10	0.10	0,061	612.6
IMA2482	Pulp	3.3	15.8	188.5	446	0.2	7.3	7.6	75	0.68	6	99.4	698.2	23	2.9	<0.1	0.1	19	0.15	0.076	908.8
IMA2483	Pulp	8.5	24.5	540.1	572	0.5	16.5	21.7	133	1.46	16	529,4	2781.8	3 9	3,9	0.1	0,4	23	0.34	0.234	>2000
IMA2484	Pulp	1.8	9.0	17.2	17	0.1	6.5	3.9	127	0.73	3	8.7	41.9	22	<0.1	<0.1	<0.1	7	0.18	0.008	51.4
IMA2485	Риір	2.4	8.2	23.8	63	<0.1	7.0	5.2	69	0.76	3	59.9	339.8	26	0.3	<0.1	0.2	10	0,11	0.038	431.7
IMA2486	Pulp	3.6	10.3	45.3	256	0.1	11.6	5.7	66	0.92	3	16.4	84.0	22	1.9	<0.1	<0.1	8	0.03	0.014	107.2
IMA2487	Pulp	2.1	101.7	148.1	367	0.3	96.5	36.3	215	4.57	27	4.5	11.0	31	1.9	0.5	0.2	177	0.13	0.041	31,1
IMA2488	Pulp	1.6	58.3	86.6	322	0.3	81.0	27.3	233	4.43	20	3.6	8.7	37	0.9	0.3	0.5	146	0.12	0.040	26.0
IMA2489	Pulp	2.3	57.6	98.9	177	0.4	77.5	23.9	301	4.47	17	3.8	9.9	61	0.6	0.2	0.4	126	0.22	0.042	29.0



BUREAU MIMERAL LABORATORIES VERITAS Camputa

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Client:

MacGregor, R.A.

28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project: Report Date: None Given March 12, 2018

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Page:

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Part: 2 of 3

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AND THE PERSON NAMED OF THE PE	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200		MA200		MA200	
	Analyte	Cr	Mg	Ва	Τl	Al	Na	K	W	Zr	Ce	Şn	Y	Nb	Ta	Be	Sc	Li	S	Rb	
	Unit	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	
	MOL	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			0.1	0.1	0.1	
IMA2460	Pulp	103	0.51	532	0.136	7.16	0.261	5.01	0.9		275	1.9	13.7	6.2	0,6	2	8	8.7	0.1	234.2	
IMA2461	Pulp	120	0.52	637	0.217	6.17	0.129	4.64	1.7	and the second	229	2.2	13.5	7.9	0.8	2	9	14.3	0.3	246.1	
IMA2462	Pulp	192	0.94	598	0.390	9.35	0.155	5.60	2.4		150	3.1	13.1	8.8	0.9	4	18	24.8	0.4 <0.1	304,5 193,4	
IMA2463	Puip	65	0.13	1054	0.036	4.18	0.084	5.31	0.4		42	0.5	2.7	2.8	0.2			1.9		263.7	
IMA2464	Pulp	69	0.23	914	0.184	4.75	0,087	5.15	1.1		1081	2.4	43,6	17.6	2.0	2	3 <1	7.0		72.9	
IMA2465	Pulp	111	0.04	347	0.019	1.60	0.031	1.94	0.4	51.0	29	0.2	1.9	1.7	0.1	<1		15.2	0,2	31.3	
IMA2466	Pulp	183	0.94	140	0.231	5.29	3.301	0.58	0.8		49	0.8	6.3	4.6	0.4	<1 6	24	33.9		336.1	
IMA2467	Pulp	177	1.15	616	0.522	10.20	0.063	5.92			63	3.2	9.1	12.1	1.1 0.9		25	35.0		289.9	
IMA2468	Pulp	177	1.48	539	0,646	9.72	0.054	5.41	2.8	and the second second	60	3.9	10.0	11.3				5.5		167.5	
IMA2469	Pulp	279	0.16	425	0.308	3,16	0.072	4.08				1.5	144.3	52.0	8.4	- <i></i>	2	4.4		243.4	
IMA2470	Pulp	141	0.13	1294	0.273	3.49	0.058	5.15			885	1.6	40.4	29.1 50.6	3.9 6.2	وللعجز بمحد وسيب		7.9		178.8	
IMA2471	Pulp	309	0.18	887	0.462	3,72	0.047	4.00				2.2	142.3		0.4			0.6		163.9	
IMA2472	Pulp	264	0.02	741	0.043	3.16	0.056	4.43			84	0.5	4.4	4.2	_ 	بؤر العاديقي	3	5.0		192.8	
IMA2473	Pulp	225	0.15	770		3.45	0.050	4.23			1818	1.8	69.7	37.2 32.9	4.4 3.8	***************************************	3	8.0			
IMA2474	Pulp	357	0.17	688		3.87	0.047	3.96				3.2	115.2	32.9 41.0	3.0 4.7	make a way to proceed		5.3		148.8	
IMA2475	Pulp	142	0.08			3.11	0.049	3.82	·			2.0	138.9 42.4	24.7	2.6			3.8		176.2	
IMA2476	Pulp	102	0.09			3.81	0.081	4.39			1151	1,9	57.8	28.0				4.2			and and the second second
IMA2477	Pulp	292	0.11	B72	. -	3.75		4.97	0.6			2.0	87.3	44.2							^
IMA2478	Pulp	112					0.058	4.64				2.4 5.4	531.3	57.2				10.9		100.3	
IMA2479	Pulp	349	0.07				0.026					3.8	222.9	51.5				10.1	0.6		
IMA2480	Pulp	302	0.17				0.050					3.3	41.2	20.8						181.9	
IMA2481	Pulp	140	0.17										60.2	28.2						180.8	
IMA2482	Pulp	189												32.4						199.4	
IMA2483	Pulp	477	0.26									3,3	5.6	7.0				2.3	arrate are consent from the	170.6	
IMA2484	Pulp	210	0.13											22.0				 -		183.5	
IMA2485	Pulp	248						3.30					9.6							183.8	
IMA2486	Pulp	465																			
IMA2487	Pulp	227																			
IMA2488	Puip	194											7.8								
IMA2489	Pulp	332	1.54	4 432	0.283	7.85	1,936	3 2.70	3 1.	5 145.2	2 58	2.1	7.8	0.0	. 0.5	, ,	. 10		,	112.	<u> </u>



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28 Ford St.

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Project:

Client:

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Report Date:

March 12, 2018

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Part: 3 of 3

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

						a da escribiro
	Method	MA200		MA200		MA200
	Analyte	ln	Re	Se	Tə	11
	Unit	ppm	ppm	ppm	ppm	ppm
	MDL	0.06	0.005	1	0.5	0.5
IMA2460 Pulp		<0.05		<1	<0.5	1.1
IMA2461 Pulp		0.12	0.013	<u><1</u>	<0.5	1.2
IMA2462 Pulp		0,09	0.011		0.6	1.6
IMA2463 Pulp	-, -,	<0.05		<1	<0.5	1.1
IMA2464 Pulp		<0.05	0.005	<1	<0.5	1.1
IMA2485 Pulp		<0.05	<0.005	<u> <1</u>	<0.5	<0.6
IMA2466 Pulp		0.08	<0.005	<1	<0.5	<0.5
IMA2487 Pulp		0.12	0.011	2	0,5	1,8
IMA2468 Pulp	*_*,*,*,*,***	0,18	0.009	2	<0.5	1.7
IMA2469 Pulp		<0.05	0.006		<0.5	0.9
IMA2470 Pulp	a company and a	0.06	<0.005	<1	<0.5	1.4
IMA2471 Pulp		0.06	<0.005	<1	<0.5	0.9
IMA2472 Pulp		<0.05	<0.005	<1	<0.5	0.8
IMA2473 Pulp		<0.05	<0.005	<1	<0.5	1.0
IMA2474 Puip		<0.05	<0.005	<1	<0.5	0.9
IMA2475 Pulp		<0.05	<0.005	<1	<0.5	0.8
IMA2476 Pulp		<0.05	<0.005	_ 1	<0.5	0.9
IMA2477 Pulp		<0.05	<0.005	<1	<0.5	1.0
IMA2478 Pulp		<0.05	<0.005	<1	<0.5	1.0
IMA2479 Pulp		0.05	<0.005	<1	<0.5	0.9
IMA2480 Pulp		0.08	<0.005	<1	<0.5	1.1
IMA2481 Pulp		<0.05	<0.005	<1	<0,5	1.3
IMA2482 Pulp		<0.05	<0.005	<1	<0.5	1.1
IMA2483 Pulp		<0.05	<0.005	<1	0.9	1.2
IMA2484 Pulp		<0.05	<0.005	<1	<0,5	1.3
IMA2485 Pulp		<0.05	<0.005	<1	<0.5	1.2
IMA2486 Pulp		<0.05	<0.005	<1	<0.5	1.1
IMA2487 Pulp		0.08	a manufacture of the control of	<1	<0.5	1.7
IMA2488 Pulp		<0.05			<0.5	1.3
IMA2489 Pulp		0.05			<0.5	0.9



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CERTIFICATE OF ANALYSIS

		ing sygnas				200			40.00												
	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cq	Sb	В	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppn
	MDL	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	0.
IMA2490 Pul	3	2.5	56.2	118.6	186	0.3	82.2	27.6	293	4.70	21	3.8	9.9	57	0.6	0.3	0.2	145	0,14	0.041	30.8
IMA2491 Puli	0	1.9	47.9	148.3	381	0.3	47.8	17.6	309	3.92	8	3,2	8.5	74	1.4	0.1	0.4	82	0.23	0.036	
IMA2492 Pulk	0	2.4	84.0	485.2	757	0.5	58.1	21.2	297	4.21	12	4.0	9,6	75	3.6	0.2	0.4	95	0.18	0.040	
IMA2493 Puls	0	2.1	39.4	150.2	113	0,3	41.7	16.8	251	3.09	10	3.4	8.7	84	<0.1	<0.1	0,6	62	0,31	0.034	
IMA2494 Pul	p	2.1	49.7	145.6	321	0.3	87.8	31.5	328	4.84	22	3.6	8.9	61	1.3	0.2	0.5	133	0.16	0.046	
IMA2495 Pul	p	3.4	43.2	118.9	810	0.3	72.4	21.5	393	5.34	4	3.0	8.4	73	6.0	0.2	0.3	135	0.15	0,044	
IMA2496 Pul	p	2,2	50.3	416.1	864	0.5	58,0	18.5	277	3.52	9	3.6	8.9	70	4.5	0.1	0.3	85	0.28	0.037	25.6
IMA2497 Pul	þ	1.9	61.3	283.2	434	0.4	60.3	20.5	229	3.33	10	5.3	12.2	75	2.1	0.2	0.5	84	0.29	0.034	
IMA2498 Puli	Ď	2.2	58.8	240.1	450	0.4	65.3	19.8	232	4.01	18	3.9	8.5	67	2.2	0.1	0.3	93	0.14	0,040	
IMA2499 Pulj	p	2.2	68.3	490.1	676	0.5	74.2	23.2	240	4.50	24	3.9	9.6	46	3.6	<0.1	0.8	108	0.11	0.039	
IMA2500 Puli	p	2.1	92.6	11.4	52	0.1	101.6	36.1	254	4.58	30	4,7	9.6	14	<0.1	0.4	0.5	200	0.08	0.050	
IMA2501 Pul	р	1.5	137.3	181.6	251	0.9	34.9	23.3	622	7.05	7	31.1	76.9	47	0.4	0.1	1.1	181	0.47	0.054	
IMA2502 Pul	p	0.3	194.9	139.5	275	1.1	71.6	46.0	1069	13.78	15	4,9	10.5	26	0.6	<0.1	1.5	336	0.27	0.102	22.0
IMA2503 Pul	p	1.8	123.4	223.9	489	0.4	64.2	37.5	576	8.26	13	15.3	35.0	18	2.1	0.1	0.5	209	0.16	0.071	41.7
IMA2504 Pul	P	2.2	111.7	58.4	198	0.2	54.4	31.2	415	7.27	5	23.1	54.3	20	0.6	<0.1	0.3	168	0.11	0,056	
IMA2505 Pul	p	2.5	117.0	107.8	96	0.5	34.4	22.4	480	6.26	6	36,1	93.1	49	<0.1	0.1	0.4	133	0.44	0.052	116.3
IMA2506 Pul	P	0.5	157.3	116.8	209	0.9	76.2	47.7	1127	14,27	16	5.2	9.7	25	0.1	0.3	0.8	358	0.39	0.103	
IMA2507 Pul	p	2.4	456.8	331.2	279	1.3	19,6	16.7	185	2.88	7	42.2	98.7	43	1.8	0.3	0.8	49	0.14	0.044	125.9
IMA2508 Pul	p	3.9	140.2	17.4	13	0.2	28.5	29.7	412	2.44	35	44.9	124.3	44	<0.1	0.2	0.7	85	0.77	0.046	161.4
IMA2509 Pul	p	4.3	200.3	19.6	9	0.1	22.2	15.9	180	1.75	12	3.5	9.5	18	<0,1	0,1	1.8	21	0.23	0.005	14.6
IMA2510 Pul	р	3.6	37.2	9.1	3	<0.1	19.2	10.4	62	0.92	11	2.0	5.7	20	<0.1	<0.1	0.3	16	0.04	0.002	9.3
IMA2511 Pul	р	3.3	28.0	24.4	8	<0.1	18.1	7.0	113	1.35	7	11.9	67.1	39	<0.1	0,1	0.7	17	0,34	0.012	····
IMA2512 Pui	р	3.3	33.7	14.4	12	<0.1	18.8	7.2	102	1.16	. 7	4.6	22.0	36	<0.1	<0.1	0.1	18	0.20	0.008	
IMA2513 Pul	p	4.3	6.3	13.7	3	<0.1	15.2	7.7	67	1,10	13	12.8	55.7	40	<0,1	<0.1	0,1	16	0.16	0,009	98.6
IMA2514 Pul	p	2.4	16.9	19.9	5	0.2	9.2	4.4	53	0.67	3	41.3	241.0	21	<0.1	<0.1	0.5	10	0.09	0.033	430.
IMA2515 Pul	p	3.5	51.7	128.4	158	0.2	34.5	13.0	160	2.26	4	4.5	11.0	41	0.5	0.1	0.3	16	0.10	0.009	
IMA2516 Pul	<u> </u>	8.1	31.0	37.9	4	0.2	13.9	13,9	77	1.12	8	106.0	592.1	25	<0.1	<0.1	0.4	12	0.13	0.074	699.2
IMA2517 Pul		7.0	24.1	418.3	237	0.4	15.0	57.6	58	1.01	74	268.5	1001.0	15	1.4	0.3	1.9	13	0.03	0.108	1156.
IMA2518 Pul		6.9	239.8	217.9	8	8.0	11.7	13.2	143	1.92	25	116.8	534.6	34	<0.1	0.4	2.0	10	0.22	0.075	684.
IMA2519 Pul	<u> </u>	5.0	6.4	52.0	12	0.1	4.3	2.5	35	0.68	<1	74.2	359.0	14	<0.1	<0.1	0.4	11	0.03	0.045	375.



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		A ₁₂	a de la companya de															3(1)			
	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Cr	Mg	Ва	TI	Al	Na	к	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	L.i	S	Rb	HE
	Unit	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm							
	MDL	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	0.1
IMA2490 Pulp		220	1.78	512	0.260	7.64	1.858	2.42	1.8	156.8	62	2.5	7.1	5.9	0,5	3	17	39.5	0.1	164,6	4.9
IMA2491 Pulp		207	1.37	177	0.184	6.36	2.840	1.20	0.8	140.8	51	1.4	5.7	3.4	0.3	1	11	24.7	0.1	67.2	4.3
IMA2492 Pulp		294	1.42	247	0,205	6.63	2.788	1.71	1.0	166.3	52	1.8	7.3	4.1	0.4	2	12	28.8	0.1	97.3	4.8
IMA2493 Pulp		255	0.92	86	0.151	5.56	3.345	0.59	0.5	152,3	31	0,8	4.9	3.2	0.3	<u><1</u>	7	19.5	0.1	32.1	4.4
IMA2494 Pulp		277	1.74	351	0.217	7.16	2.138	2.46	1.3	149.5	59	2.2	6.9	4,1	0.4	3	15	36.8	0.1	142.1	4.5
IMA2495 Pulp		304	1.86	249	0.199	7.44	2.956	1.68	0.8	139.5	60	2.1	8.3	3.9	0.3	2	17	36,9	0.2	83,1	4.2
IMA2496 Pulp		248	1.28	258	0.222	5.90	2,700	1.41	1.0	151.5	50	1.5	7.2	4.6	0.4	1	10	22.3	0.2	84.6	4.2
IMA2497 Pulp		321	1.11	256	0.253	5.99	2.974	1.34	1.0	174.9	58	1.5	7.2	5.2	0.5	<1	12	20.5	0.2	77.9	5.3
IMA2498 Pulp		327	1.29	331	0.290	6.47	2.513	1.91	1.0	150.6	49	1.7	6,5	6.6	0.6	1_	11	25.0	0.1	111.0	4,3
IMA2499 Pulp		256	1.33	358	0.319	6.55	1.882	2.60	1.8	146,0	49	1.7	7,4	7.9	0.7	2	12	30.8	<0.1	169.0	4.2
IMA2500 Pulp		205	0.98	621	0.544	10.05	0.056	4.09	3.2	158.9	51	3.6	7.4	13.0	1,2	5	23	33.7	0.5	235.3	4.6
IMA2501 Pulp		194	2.08	110	0.469	6,31	2.061	0.92	0.5	161.9	177	1.0	16.3	11.2	1.2	1	18	29.9	<0.1	66.0	4.8
IMA2502 Pulp		118	3.82	73	0.902	8.66	1.234	0.66	0.7	174.4	46	0.7	11.5	7.5	0.6	<1	39	52.6	<0.1	33.8	5.1
IMA2503 Pulp		210	1.93	295	0.590	7.43	0.563	2.71	1.8	156.0	88	2.0	13.0	11.2	1.1	3	22	31.3	0.4	131.5	4.6
IMA2504 Pulp		282	1,62	371	0.509	7,54	0,529	2.85	1.9	171.9	130	2.3	15.9	12.7	1.3	2	19	30.2	0.4	161.2	5.1
IMA2505 Pulp		330	1.38	215	0.451	6.19	1.866	1.41	0.9	163.3	230	1,1	19.8	12.8	1.4	1	14	20.8	0.2	90.0	4.6
IMA2506 Pulp		150	3.40	164	1.081	8,44	0.980	1.43	1.0	195.1	34	1.2	11.8	8.8	0.7	2	39	53.1	0.1	41.3	5.4
IMA2507 Pulp		192	0.60	372	0.268	5.05	1.632	2.02	1.1	194.4	223	1.5	19.3	13.8	1.6	1	6	15.9	0.3	134.0	5.4
IMA2508 Pulp		322	0.73	866	0.223	7.50	1.035	2.95	1.3	199.4	316	3,6	23.9	15.5	1.5	4	12	25.4	0.1	211.3	6.1
IMA2509 Pulp		597	0.29	652	0.038	3.57	0.042	3.06	0.7	47.4	26	1.1	2.9	2.6	0.2	<1	2	10.8	0.2	153.1	1.3
IMA2510 Pulp		444	0.06	633	0.013	2.42	0.043	3.06	1.3	36.6	17	0.6	1.3	1,3	0.1	<1	<1	1.5	0.1	121.7	1.1
IMA2511 Pulp		332	0.29	1333	0,135	5.06	0.058	3.33	0.7	129.9	132	1.9	9.2	13.2	1.4	1	3	11.6	<0.1	167.7	3.8
IMA2512 Pulp		358	0.22	1277	0.072	4.84	0.067	3.54	1.0	81.3	139	1.5	4.8	5.8	0.5	2	2	7.1	<0.1	191.3	2.3
IMA2513 Pulp		324	D.16	1599	0.091	5.40	0.158	3.92	1.1	131.6	163	1.2	6.9	7.6	0.7	<1	2	6.0	0.2	203.7	3.8
IMA2514 Pulp		344	0.09	1014	0.174	4.12	0.058	3.68	1.0	156.2	746	1.8	23.9	17.0	2.0	1	2	3.5	<0.1	182.8	4.6
IMA2515 Pulp		673	0.62	17	0.039	2.97	1.879	0.18	0,3	68.2	42	0.5	2.9	1.7	0.2	<1	2	10.5	0.2	7.2	2.1
IMA2516 Pulp		505	0.20	993	0.250	4.51	0.062	2.85	1.4	186.4	1312	3.3	50.3	27.0	3.4	2	2	8.8	0.1	183.4	5.4
IMA2517 Pulp	~~~	355	0.18	383	0.294	3.82	0.080	3.01	0.9	205.7	1932	5.7	94.2	31.4	3.8	3	3	10.2	0.1	169.6	5.9
IMA2516 Pulp		494	0.71	603	0.236	2.59	0.036	2.65	1.0	122.3	1207	1.4	49.2	24.3	1.8	<1	2	14.2	0.2	110.5	3.4
IMA2519 Pulp		129	0.21	415	0,283	4.19	0.038	3.35	0.5	213.6	663	3.1	36.0	21.3	2.1	3	2	6.2	<0.1	181.6	6.2



Bureau Veritas Commodities Canada Ltd.

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Client:

None Given

Report Date:

March 12, 2018

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

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	Method	MA200	MA200	MA200	MA200	MA200
	Analyti	1	Re	Se	Te	TI
	Uni	1 1	ppm	ppm	ppm	ppm
	MDI	0.05	0.006	1	0.5	0.6
IMA2490	Pulp	<0.05	<0.005	<1	<0.5	1.0
IMA2491	Pulp	<0.05	<0.005	<1	<0.5	<0.5
IMA2492	Pulp	<0.05	<0.005	<1	<0.5	0.6
IMA2493	Pulp	<0.05	<0.005	<1	<0.5	<0.6
IMA2494	Pulp	0.06	<0.005	<1	<0.5	0.9
IMA2495	Pulp	0.14	<0.005	<1	<0.5	<0.5
IMA2496	Pulp	<0.05	<0.005	1	<0.5	<0.5
IMA2497	Pulp	<0.05	<0.005	<1	<0.5	<0.5
IMA2498	Pulp	<0.05	<0.005	_ 1	<0.5	0.6
IMA2499	Pulp	0.07	<0.005	<1	<0.5	0.9
IMA2500	Pulp	0.06	0.011	1	<0.5	2.2
IMA2501	Pulp	0.06	<0.005	1	0.6	0.5
IMA2502	Pulp	<0.05	0.007	2	8.0	<0.5
IMA2503	Pulp	0.06	0.008	2	<0.5	1.0
IMA2504	Pulp	0.07	<0.005	2	<0.5	1.1
IMA2505	Pulp	<0.05	<0.005	<1	<0.5	0,6
IMA2506	Pulp	0.07	<0.005	1	<0.5	0.6
IMA2507	Pulp	0.09	<0.005	1	<0.5	0.9
IMA2508	Pulp	<0.05	<0.005	<1	<0.5	1.5
IMA2509	Pulp	<0.05	<0.005	1	<0.5	0.8
IMA2510	Pulp	<0.05	<0.005	<1	<0.5	0.7
IMA2511	Pulp	<0.05	<0.005	<1	<0.5	1.3
IMA2512	Pulp	<0.05	<0.005	<1	<0.5	1.5
IMA2513	Pulp	<0.05	<0.005	<1	<0.5	1.7
IMA2514	Pulp	<0.05	<0.005	<1	<0.5	1.2
IMA2515	Pulp	<0.05	<0.005	<1	<0.5	<0.5
IMA2516	Pulp	<0.05	<0.005	<1	<0.5	1.3
IMA2517	Pulp	0.07	<0.005	1	<0.5	0.9
IMA2518	Pulp	<0.05	<0.005	4	<0.5	0.9
IMA2519	Pulp	<0.05	<0.005	<1	<0.5	1.0



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Client:

MacGregor, R.A.

28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project: Report Date:

None Given March 12, 2018

Bureau Veritas Commodities Canada Ltd

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

IMA2546

IMA2547

IMA2548

IMA2549

Pulp

Pulp

Pulp

Pulp

1.5

3.2

1.9

4.0

118.3

31.9

15.5

16.2

Page:

4 of 5

59

38

46

39

0,6

< 0.1

< 0.1

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31

10

25

0.26

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0.20

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0.006

0.009

0.007

0.022

23.4

65.5

53.0

189.6

Part: 1 of 3

erteoate de analysis Method MA200 Şb Analyte Мο CH Ρħ Zn Áa Co Ma Fe Sr Cd Th Ca Unit mag ppm ppm ppm ppm ppm ppm ppm ppm ppm maa maa ppm ppm ppm ppm % ppm MD 0.1 0.1 0.1 0.1 0.1 0.2 0.01 0.1 0.1 0.1 0.01 0.1 0.1 0.001 0.1 IMA2620 Pulp 8.4 136.3 135.3 471 0.4 8.5 11.7 82 1,05 5 159.6 520.1 22 0.2 0.061 509.2 3.8 0.8 16 0.36 IMA2521 9.8 Pulp 22.4 541.4 391 0.2 11.9 14.5 90 1.92 6 343,2 1437.0 20 2.6 0.3 18 0.14 0,174 1454. 0.7 IMA2522 3.2 Pulp 5.6 4.3 3 <0.1 11.8 1.6 62 0.74 <1 2.0 7.9 36 < 0.1 < 0.1 < 0.1 6 < 0.01 0.004 11.6 Pulp IMA2523 13.8 349.0 20.B 37.1 69 0.3 10.2 124 2.08 12 438.9 1587.9 24 0.6 0.3 1.8 17 0.12 0.167 1571. IMA2524 Pulp 34.5 9.7 10 0.1 9.0 36 0.04 4.4 6.7 0.51 8 23.5 140.5 18 <0.1 0.1 0.4 6 0.023 219.6 IMA2625 Pulp 4.7 37.8 24.6 49 <0.1 12.3 21.5 45 0.72 25 583.0 23 85.8 0.1 0.2 0.8 0.05 0.100 889. IMA2528 Pulp 2.5 19.6 103.3 243 0.1 4.7 115 0.61 3 82.2 15 < 0.1 7.2 13.0 1.3 0.3 4 0.19 0.011 111.2 IMA2527 Pulp 14 3.7 1085.6 18.6 0.2 25.4 10.7 394 2.61 15.0 59.6 41 < 0.1 8 0.1 0.7 64 0.83 0.037 90.4 IMA2528 5.1 90.3 6 <0.1 7.9 37 Pulp 17.4 11.6 197 1.24 4 84.9 517.2 < 0.1 0.1 0.1 12 0.23 0.061 642.9 IMA2529 Pulp 5.1 27.1 16.6 <0.1 11.8 6.4 41 1.52 16 47.0 247.5 42 < 0.1 0.2 0.2 21 0.10 0.029 217.3 IMA2530 9.0 32 Pulp 4.5 20.5 10.1 <0.1 13.3 1.06 22 239.3 39 15 31.8 < 0.1 0.2 0.2 0.13 0.032 315.2 IMA2531 Pulp 8.1 46.2 2.1 156.5 25 0.2 24.5 203 4.51 25 39,8 55 < 0.1 0.2 106 11.9 0.4 0.21 0.036 60.2 IMA2532 Pulo 144.5 73 319.4 0.4 40.3 25.1 590 4.97 17.9 61.3 53 < 0.1 0.3 72 0.22 0.039 1.0 124.0 3.4 IMA2533 Pulp 320.5 38.2 11 23.0 12.0 291 18 37.9 <0.1 47 0.3 2.65 91.0 40 0.8 0.3 0.13 0.031 86.8 IMA2534 3.3 470.4 215.9 88 0.3 18.0 9.7 170 1.53 17 41 Pulo 20.2 67.0 0.2 0.6 31 80.0 0.020 68. 0.5 **IMA2535** 2.86 Pulp 2.1 16.6 18.7 21 < 0.1 10.0 184 25.8 11 13.9 63.7 57 < 0.1 0.1 0.3 65 0.19 0.023 86.2 IMA2536 Pulp 2.0 187.5 11.5 10 < 0.1 17.7 11.9 239 2.00 18 18.7 29.2 41 < 0.1 0.2 53 54. 0.4 0.22 0.024 IMA2537 Pulp 2.8 34.1 46.1 79 106.3 6 0.2 28.6 148 1.69 79.1 643.1 30 < 0.1 0.4 1.2 30 0.38 0.099 817.7 IMA2538 Pulp 2.4 39.6 22.2 3 0.1 18.0 23.4 112 0.79 75.7 428.3 26 <0.1 0.2 0.4 15 0.23 0.047 494. IMA2539 Pulp 15.4 6 18.7 1.05 36 29 2.3 27.6 0.1 14.3 149 31.3 158.8 <0.1 0.2 0,3 20 0.30 0.019 169.3 IMA2540 Pulp 1.9 15.0 51.1 3 < 0.1 4.2 4.3 32 0.41 6 45.5 240.9 23 <0.1 0.1 9 321.6 0.3 0.07 0.031 IMA2541 19.5 3 21 Pulp 3.0 9.4 <0.1 11.9 31 0.72 137.3 <0.1 0.1 0.3 12 0.03 0.020 166. IMA2542 Pulp 6.2 9.7 47.4 3 0.1 6.2 8.9 20 1.04 34 95.2 706.5 24 <0.1 0.2 0.3 0 0.03 0.080 735. IMA2543 50.7 2 25 Pulp 5.4 11.0 < 0. 7.0 11.0 36 0.69 21 188.3 1028.4 < 0.1 0.2 0.2 12 0.06 0.125 1187. IMA2544 Pulp 4.1 54.6 7 0.3 15.0 44 0,85 27 237.6 1425.2 31 31.6 9.7 < 0.1 0.3 0.8 15 0.09 0.188 1670.4 IMA2545 56.4 <0.1 5.7 Pulp 2.4 14.4 4 5.6 35 0.49 44.1 265.9 22 < 0.1 0.1 0.3 В 0.07 0.038 314.

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< 0.1

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11.9

12.6

7.0

13.3

162.4

12.4

42.2

24.7



BUBEAU MINERAL LABORATORIFS
VERITAS Compabi Consider

www.bureauveritas.com/um

Client:

MacGregor, R.A. 28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project: Report Date:

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada PHONE (604) 253-3158

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4 of 5

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		Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Analyte	Cr	Mg	Ва	Tì	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	LI	S	Rb	H
		Unit	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	<u> </u>	MDL	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	0.1
IMA2520	Pulp		163	0.33	800	0.286	3.76	0.148	3.40	0.8	175.6	894	4.1	62.7	26.1	2.7	2	3	18.1	0.2	179.2	4.8
IMA2521	Pulp	E 1-14 (T) 14 (17)	304	0.55	578	0.395	4.26	0.056	3.12	0.8	213.5	>2000	4.1	128.6	41.5	4.9	3	4_	24.0	0.4	185.6	5.9
IMA2522	Pulp		476	<0.01	25	0.013	0.99	0.134	0.28	0.2	49.1	29	0.4	1.9	0.9	<0.1	<1	<1	0.7	<0.1	9.2	1.3
IMA2523	Pulp		189	0.60	527	0.421	3.43	0.077	2.27	0.9	223.9	>2000	3.3	148.6	45.8	5,1	3	4	21.4	0.5	158.5	6.0
IMA2524	Pulp		144	0.08	741	0,125	3.13	0.050	4.28	0,6	121,6	393	0.8	14.8	11.8	1.1	<1	1	1.8	<0.1	160.2	3,4
IMA2525	Pulp		246	0.07	653	0.292	3.28	0.057	3.91	1.0	224.9	1539	1.2	49.1	27.9	3,1	<1	_ 2	2.5	0.1	152.4	6.2
IMA2528	Puip		235	0.08	437	0,066	1.88	0.029	2.50	0.3	52.6	188	0.6	8.7	7.0	0.5	<1	<1	1.3	<0.1	98.2	1.4
IMA2527	Pulp		209	0.82	656	0.223	5.03	0.594	2.96	0.7	416.4	160	2.1	14.9	7.1	0.5	3	8	21.1	0.2	193,2	11.4
IMA2528	Pulp		441	0.11	637	0.257	3.54	0.100	3.65	0.6	135.8	1095	1.3	35.2	24.0	2,5	<1	2	3.1	<0.1	143.4	3.7
IMA2529	Pulp	· · · · · · · · · · · · · · · · · · ·	185	0.28	1283	0.221	5.75	0.104	4,10	2.1	170.5	390	2.0	25.6	21.5	2.1	1	3	8,6	0.2	182.2	4.6
IMA2530	Pulp		118	0.11	1231	0.182	4.96	0.101	3.77	1.2	146.0	527	1.6	23.9	18.6	1.7	<1	2	3.9	0.2	147.1	3.8
IMA2531	Pulp		163	1.06	679	0.421	7.09	1.942	3.13	0.7	429.4	116	2.0	11.5	10.8	0.9	2	12	28.2	0.2	181.5	11.5
IMA2532	Pulp		206	0.82	785	0.304	6.45	1.845	3.01	0.5	459,4	219	3.4	11.2	8.9	0.7	1	11	16.9	0.4	127.6	12.1
IMA2533	Pulp		226	0.43	716	0.187	4.52	1.129	3.05	0.4	328.2	155	1.8	12.0	7.9	0.8	<1	6	10.0	0.2	108.0	8.8
IMA2534	Pulp		122	0.25	794	0.145	4.26	1.230	3.24	0.2	247.0	121	1.0	7.9	6.2	0.6	<1	4	5.5	0.1	96.3	6.4
IMA2535	Pulp		153	0.62	591	0,239	7.16	3.556	3.00	0.4	113.8	159	2.2	9.6	6.9	0.6	1	8	14.7	<0.1	116.8	2.9
IMA2536	Pulp		107	0.41	682	0.129	6.10	2.352	3.00	0.4	190.1	100	1.6	6.4	5.1	0.4	<1	7	7.6	<0.1	133.8	5.4
IMA2537	Pulp		181	0.22	269	0.210	3.22	0.176	3.39	1.6	208.2	1480	1.5	56.3	21.4	3.1	<1	4	7.8	1.1	160.2	5.7
IMA2538	Pulp		195	0.11	616	0.278	2.68	0.043	2.51	1.8	294.7	873	1.2	38.0	26.1	2.6	<1	3	3.0	0.3	120.1	8.0
IMA2539	Pulp		175	0.29	843	0.195	4,57	0.053	3.68	1.2	283.4	296	4.0	18.6	17.3	1.8	2	5	11.3	0.2	213.2	7.7
IMA2540	Pulp		92	0.08	938	0.178	4.41	0.075	3.39	0.9	138.0	568	1.7	23.1	16.2	1.8	<1	2	2.9	<0.1	150.6	3.7
IMA2541	Pulp		180	0,05	819	0.111	3.96	0,068	4.08	0.8	130.6	303	1.5	14.2	9.3	0.9	<1	2	2.1	0.3	169.1	3.6
IMA2542	Pulp		110	0,06	799	0.189	3.69	0.058	4.10	1.3	169,1	1332	1.8	58.4	19.2	2.2	<1	2	4.8	0.7	180.8	4.8
IMA2543	Pulp		172	0.11	777	0.302	3.75	0.059	3.47	2.2	221.4	>2000	2.6	84.9	31.1	3.7	1	3	5.9	0.2	165.9	8,2
IMA2544	Pulp		146	0,18	935	0.347	5,31	0.099	4.02	1.6	295.1	>2000	5.4	129.2	35.8	4.2	2	3	9.6	0.2	210.8	8.4
IMA2545	Pulp		137	0.09	849	0.148	4.12	0.061	4.02	0.9	144.3	677	1.8	23.0	12.3	1.4	<1	2	2.8	<0.1	174.6	4:2
IMA2546	Pulp		178	0.25	650	0.079	4.52	1.402	3,36	0,3	79,7	46	0,6	4.0	3,6	0,4	<1	2	7.1	<0.1	107.4	2.2
IMA2547	Pulp		209	0.31	1248	0.150	6.34	0.094	3,82	0.7	141.5	117	2.3	8.2	11.5	1.0	2	5	11.3	<0.1	178.3	3,9
IMA2548	Pulp		110	0.18	1149	0.085	5.02	0.432	4.15	0.8	65.5	96	1.0	4.3	6.4	0.6	<1	2	5.7	<0.1	150.4	1.8
IMA2549	Pulp		105	0.42	1163	0.165	5.90	0.082	3.45	0.9	216.6	350	2.4	19.2	13.9	1.4	2	4	16.4	0.2	140.1	6.2
	. 3.6	-																				

This 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.



PHONE (604) 253-3158

MINERAL LABORATORIES VERITAS Carrier

Bureau Veritas Commodities Canada Ltd.

www.bureauveritas.com/um

MacGregor, R.A.

28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project:

Client:

None Given

Report Date:

March 12, 2018

Page:

3 of 3

4 of 5

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

	a Caracana da Angara		Andreas (A)	erenta de	ree garage	12,120,126,10
	Method	MA200	MA200	MA200	MA200	MA200
	Analyte	In	Re	Se	Te	TI
	Unit	ppm	ppm	ppm	ppm	ppm
	MDL	0.05	0.005	1	0.6	0.5
IMA2520 Pulp)	0.14	<0.005	<1	<0.5	0,9
IMA2521 Pulp) 	0.07	<0.005	<1	<0.5	1,1
IMA2522 Pulp		<0.05	<0.005	<1	<0.5	<0.5
IMA2523 Pulp)	<0.05	<0.005	2	<0.5	1.0
IMA2524 Pulp)	<0.05	<0.005	<1	<0.5	0.7
IMA2525 Pulp) 	<0.05	<0.005	<1	<0.5	0.8
IMA2526 Pulp) 	<0.05	<0.005	<1	<0,5	<0.5
IMA2527 Pulp)	0.09	<0.005	<1	<0.6	0.9
IMA2528 Pulp) Name a construction of the construction	<0.05	<0.005	<1	<0.5	1.0
IMA2529 Pulp)	<0.05	<0.005	<1	<0.5	1,3
IMA2630 Pulp)	<0.05	<0.005	<1	<0.5	1.2
IMA2531 Pulp)	0.06	<0.005	<1	<0.5	1.3
IMA2532 Pulp)	0.08	<0.005	<1	<0.5	0.8
IMA2533 Pulp)	0.06	<0.005	<1	<0.5	0.7
IMA2534 Pulp)	<0.05	<0.005	<1	<0,5	0.5
IMA2535 Pulp	}	<0.05	<0.005	<1	<0.5	0.7
IMA2536 Pulk)	<0.05	<0.005	<1	<0.5	0.8
IMA2537 Pulp)	<0.05	<0.005	<1	<0.5	0.8
IMA2538 Pulp)	<0.05	<0.005	<1	<0,5	0.7
IMA2539 Pulp)	0.05	<0,005	<1	<0,5	1.1
IMA2540 Puip)	<0.05	<0.005	<1	<0.5	1.0
IMA2541 Pulp)	<0.05	<0.005	<1	<0.5	0.9
IMA2542 Pulp)	<0.05	<0,005	<1	<0.5	0.9
IMA2543 Pulp)	<0.05	<0.005	<1	<0.5	0.9
IMA2544 Pulp)	0.05	<0.005	<1	<0.5	1.3
IMA2545 Pulp)	<0.05	<0.005	<1	<0.5	1.0
IMA2546 Pulp)	<0.05	<0.005	<1	<0.5	0.6
IMA2547 Pulp)	<0.05	<0.005	<1	<0.5	1.4
IMA2548 Pulp	>	<0.05	<0.005	<1	<0.5	0.9
IMA2549 Puip)	<0.05	<0.005	<1	<0.5	1.0



WERLIAS CHARGE

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Cllent:

MacGregor, R.A.

28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project:

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Page:

5 of 5

Part:

1 of 3

CERTIFICATE OF ANALYSIS VAN18000488.1

UEFIL		r et	IAL I			100											VA	NN I	500l	1433		
		Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Analyte	Мо	Cu	Pb	Z n	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	BI	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm							
		MDL	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	0.1
IMA2550	Pulp		2.6	64,5	273.0	355	0.3	29.5	22.9	264	4.11	11	58.3	131.6	62	1.6	0,2	0.3	65	0.15	0.055	140.3
IMA2551	Pulp		2.9	35.9	178.9	200	0.2	19.7	12.5	210	3.00	. 5	58.8	136.8	69	0.7	0.2	0.4	57	0.14	0.044	149.0
IMA2552	Pulp		3.0	37.7	112.5	78	0.2	17.2	12.3	220	2.88	4	56.2	134.3	62	0.1	0.2	0.5	46	0.16	0.040	142.9
IMA2553	Pulp		3.6	25.7	208.6	187	0.3	25.2	11.8	248	2.97	3	81.2	143.7	59	0.7	0.2	8.0	54	0.19	0.038	150.3
IMA2554	Pulp		1.4	12.4	40.3	92	<0.1	50.3	17.7	386	5,17	7	6.0	14.6	45	0,1	0.2	<0.1	120	0.09	0.013	21.5
IMA2655	Pulp		2.3	16,0	229.4	372	0,1	47.7	15.0	361	4.66	4	8.2	22.1	71	1.5	0,2	0.1	99	0.10	0.012	33.1
IMA2556	Pulp		2.3	17.9	50.7	107	0.1	46.7	19.3	330	4.35	15	4,2	15.0	78	0.5	0.2	0.2	88	0.13	0.024	31.3
IMA2557	Pulp		2.5	14.7	15.6	11	0.2	12.0	6.4	59	2,20	1	15.9	77.9	66	<0.1	0.1	0.2	29	0.02	0.010	86.4
IMA2558	Pulp		2.8	38.9	11.3	18	0.2	40.3	20.4	124	3.42	13	21.8	70.6	54	<0.1	0.2	0.1	97	0.08	0.011	79.1
IMA2559	Pulp		2.2	37.6	6.7	18	0.2	40.5	20.0	145	3.89	15	10,1	37.6	86	<0.1	0.2	0.2	106	0.12	0.031	69.0
IMA2560	Pulp		2.2	23.6	59.7	138	<0.1	49.4	27.8	343	4.79	24	6.6	24.7	66	0.2	0.2	0.1	101	0.12	0.040	53.4
IMA2561	Pulp		3.1	69.6	309.4	504	0.3	38.3	23.5	263	4.48	15	21.6	77.5	58	2.4	<0.1	0.5	74	0.12	0.038	104.1
IMA2562	Pulp	***	1.8	49,6	24.9	165	0.2	51.3	18,3	281	4,94	10	7.2	22.7	67	0.7	0.2	0.2	124	0,10	0.027	38.9
IMA2563	Pulp	·	1.8	3.5	1.5	1	<0.1	7.8	1.0	36	0.41	<1	0.9	3.4	23	<0.1	<0.1	<0.1	4	<0.01	0.002	9.4
IMA2564	Pulp		6.3	43.0	149.4	9	0.3	13.2	24.1	23	0.69	34	121.8	927.1	27	<0.1	0.2	1.4	<1	0.04	0.115	1142.6
IMA2565	Pulp		3.3	16.2	20.3	3	0.1	9.9	14.8	79	0.88	21	51.7	270.5	29	<0.1	0.1	0,5	13	0.18	0.034	302.3
IMA2566	Pulp		1.8	20.4	12.8	4	<0.1	10.4	2.1	67	1,21	4	10.1	42.5	43	<0.1	<0.1	<0.1	10	0.14	0.009	74.0
IMA2567	Pulp		2.6	37.7	11.8	4	<0.1	5.4	2.8	82	0.74	4	14.8	86.3	32	<0.1	0.2	0.3	12	0.18	0.014	120.7
IMA2568	Pulp		6.8	28.6	13.6	3	<0.1	9.5	4.0	41	1.00	5	23.6	154.4	37	<0.1	0.2	0.2	10	0.07	0.022	215.0



EUREAU MINIERAL LABORATORIES VERTAS Canada

www.bureauveritas.com/um

MacGregor, R.A.

28 Ford St.

Sault Ste. Marie Ontarlo P6A 4N4 Canada

Project:

Report Date:

Client:

None Given March 12, 2018

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Page:

5 of 5

Part:

2 of 3

CERTIFICATE OF ANALYSIS.

																			e e je Samana	ligie is Alexandra	2	
	Me	thod	MA200	MA200	MA200	MA200																
	Ana	alyte	Cr	Mg	Ва	TI	Al	Na	K	W	Zr	Ce	Sn	Υ	Nb	Та	Be	Sc	LI	S	Rb	Hf
		Unit	ppm	%	ppm	%	%	%	%	ppm	%	ppm	ppm									
		MDL	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	0.1
IMA2550	Pulp		280	0.82	532	0.371	5.73	1.837	3.18	0.7	194.6	263	3.3	23.6	17.1	1.8	1	7	17.6	0.2	190.9	5.6
IMA2551	Pulp		194	0.63	694	0.314	6.16	1.820	3.25	0.7	197.3	264	5.2	23.8	18.5	2.8	1	6	16.6	0.1	162.6	5.4
IMA2552	Pulp		186	0.59	625	0.267	5.32	1.621	3.13	0,7	181.7	257	3.2	22.3	15.0	1.8	1	. 5	17.3	0.1	135.9	5.2
IMA2553	Pulp		345	0.66	735	0.302	5.88	1,103	3,68	0.7	198.4	289	2.2	26.1	17.B	2.1	2	6	21.2	<0.1	184.1	5,5
IMA2554	Pulp		157	1.36	871	0.412	8.65	1.108	4.19	1.2	116.0	43	3.9	6.6	11.7	1.0	4	12	40.6	<0.1	283.2	3.3
IMA2555	Pulp		172	1.18	737	0.364	7.96	1,982	4.35	0.9	172.4	64	2.8	6,5	10.4	0.0	3	11	32.4	<0.1	263.5	4.9
IMA2556	Pulp		247	1.03	683	0.331	7.20	2.119	3.90	0.7	169.1	62	2.1	6.2	7.9	0.7	2	10	27.8	<0.1	238.0	4.9
IMA2557	Pulp		128	0.57	1426	0.263	6.96	0.388	6.37	0.7	172.5	155	2.2	10.8	17.6	1.7	2	4	21.0	<0.1	216.0	4.7
IMA2558	Pulp		134	0.86	1151	0.432	8.83	1.159	5.02	0.9	462.6	148	3.9	15.2	15.6	1.3	4	12	37.0	0.2	272.2	13.4
IMA2559	Pulp		137	1,10	885	0.423	8.38	2.026	4.56	1.0	391.4	131	3.2	12.0	13.1	1.0	4	13	34.8	0.1	248.5	11.1
IMA2560	Pulp		147	1.14	668	0.425	6.56	1.762	3,91	0.7	238.4	103	1,7	8,1	9.7	0,8	2	12	28.8	<0.1	258.1	7.0
IMA2561	Pulp		179	0.88	728	0.425	5.95	2.015	3.13	0,7	521.7	188	2.0	15.7	12.6	1.0	<1	11	19.6	0.2	122.2	15.7
IMA2562	Pulp		162	1.24	758	0.406	7.65	2.017	4.21	0.9	261.7	78	2.9	8.9	9.8	0.9	3	13	32.5	<0.1	217.1	7.6
IMA2563	Pulp		212	<0.01	16	0.007	0.75	0.098	0.21	<0.1	57.1	18	0.2	1.4	0.5	<0.1	<1	<1	1.0	<0.1	6.9	1.5
IMA2564	Pulp		138	0.02	696	0,235	2.98	0,051	4.01	2.1	135.3	>2000	1.2	72.7	29.1	3.6	<1	_ 2	2.6	0,4	153.9	3.8
IMA2565	Pulp		188	0.15	924	0.218	4.58	0.070	5.24	1.4	200.1	546	2.6	29.7	17.8	2.0	1	3	7.6	0.3	230.0	5.6
IMA2566	Pulp		150	0.20	1402	0.073	5.69	0.207	6.34	0,3	103.8	126	0.7	5.9	8.2	0.5	<1	1	7.4	<0.1	206.9	2.9
IMA2567	Pulp		120	0.13	1051	0.087	4.29	0,281	4.55	0.7	101.7	207	0.8	9.7	6.9	0.6	<1	2	2.5	<0.1	169.9	2.8
IMA2568	Puip		242	0.07	1121	0.152	4.43	0.082	5.42	1.3	109.5	379	0.9	16.5	13.7	1.5	<1	1	3.0	<0.1	190.7	3.0



PHONE (604) 253-3158

BUREAU MINERALLABORATORIES VERITAS Compete

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

www.bureauveritas.com/um

MacGregor, R.A. 28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project:

Client:

None Given

Report Date:

March 12, 2016

Page:

5 of 5

3 of 3

Bureau Veritas Commodities Canada Ltd.

	Satisfación de la company	ed (d. dilgorida)	Ortaniin)	Mariana.	Salata Salata	100 20 20 20	
		Method	MA200	MA200	MA200	MA200	MA200
		Analyte	In	Re	Se	Te	T
		Unit	ppm	ppm	ppm	ppm	ppm
		MDL	0.05	0.005	1	0.5	0.6
IMA2550	Pulp		<0.05	<0.005	<1	<0.5	1.6
IMA2551	Pulp		<0.05	<0.005	<1	<0.5	1.2
IMA2552	Pulp		<0.05	<0.005	<1	<0.5	9,0
IMA2553	Pulp		0.05	<0.005	<1	<0.5	9,0
IMA2554	Pulp		0.06	<0.005	<1	<0.5	1.8
IMA2555	Pulp		<0.06	<0.005	<1	<0.5	1.8
IMA2556	Pulp		0.07	<0.005	<1	<0.5	1.4
IMA2557	Pulp		<0.05	<0.005	<1	<0.5	1.1
IMA2558	Pulp		0.07	<0.005	<1	<0.5	1.0
IMA2559	Pulp		0.06	<0.005	<1	<0.5	1.:
IMA2560	Pulp		<0.06	<0.005	<1	<0.5	1.0
IMA2561	Pulp	ALL VILLE - CARRON I	<0.05	<0.005	<1	<0.5	0.
IMA2562	Pulp		0.06	<0.006	<1	<0.5	1.
IMA2563	Pulp		<0.05	<0.005	<1	<0.5	<0.
IMA2564	Pulp		<0.05	<0.005	<1	<0.5	0.
IMA2585	Pulp		<0.05	<0.006	<1	<0.6	1.
IMA2566	Pulp		<0.05	<0,005	<1	<0.5	1.
IMA2587	Pulp		<0.05	<0.005	<1	<0.5	0.1
IMA2568	Pulp		<0.05	<0.005	<1	<0.5	1.



MINERAL LABORATORIES

Canada

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

www.bureauveritas.com/um

Submitted By:

Client:

R.A. MacGregor

28 Ford St.

Receiving Lab:

Canada-Vancouver

MacGregor, R.A.

Sault Ste. Marie Ontario P6A 4N4 Canada

Received: Report Date: March 07, 2017 March 15, 2017

Page:

1 of 7

CERTIFICATE OF ANALYSIS

VAN17000385.1

CLIENT JOB INFORMATION

PHONE (604) 253-3158

Bureau Veritas Commodities Canada Ltd.

Project:

None Given

Shipment iD:

P.O. Number

Number of Samples:

158

SAMPLE DISPOSAL

RTRN-PLP

Return After 90 days

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure	Number of	Code Description	Test	Report	Lab
Code	Samples		Wgt (g)	Status	
SLBHP	157	Sorting, labeling and boxing samples received as pulps			VAN
MA200	157	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
DRPLP	157	Warehouse handling / disposition of pulps			VAN

ADDITIONAL COMMENTS

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

Invoice To:

MacGregor, R.A.

28 Ford St.

Sault Ste. Marie Ontario P6A 4N4

Canada

CC:

JEFFREY CANNON

This 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.

All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.

*** asteriak indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



MINERAL LABORATORIES
Canada

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Project:

Client:

MacGregor, R.A.

28 Ford St.

Sault Ste, Marie Ontario P6A 4N4 Canada

Report Date:

None Given March 15, 2017

Bureau Veritas Commodities Canada Ltd

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

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Page;

2 of 7

Part: 1 of 3

CERTIFICATE OF ANALYSIS VAN17000385.1 Method MA200 Analyte Mo Pb Zn Ni п Sr Ві Cu Co Fe Cd Sb Ag Ca Unit ppm % ppm ppm ppm ppm ppm ppm ppm 0.1 0.1 0.1 0.1 0.1 0.2 0.01 0.1 0.1 0.1 0.1 0.1 0.01 0.001 0.1 IMA1839 Pulp 0.4 38.1 3.7 72 <0.1 104.5 27.7 894 4.44 3 1.2 5.1 575 0.2 3.1 <0.1 118 4.24 0.082 31.0 Pulp IMA1840 1.2 32.0 13.4 < 0.1 176.5 24.3 735 4.00 76 7.3 76 0.6 1.9 645 0.2 0,2 101 2.45 0.050 15.6 IMA1841 2.3 5.7 242.3 23 Pulp 41.0 65 < 0.1 29.2 920 4,91 0.5 1,9 592 < 0.1 3.3 0.2 116 2.45 0.048 14.8 2 IMA1842 Pulp 15.6 104.3 5.0 99 0.1 99.7 43.5 1381 7.65 0.6 1.6 359 0.1 0.2 12.1 0.4 249 6.16 0.086 IMA1843 Pulp 2.3 56.B 41.2 0.2 23.7 464 2 365 < 0.1 8.7 49 11.2 2.64 0.4 0.5 0.042 1.0 0.1 68 1,99 IMA1844 Pulp 132.8 8.0 96.4 48 1.5 0.3 24.3 656 3.63 0.7 2.1 409 0.1 0.4 0.5 132 2.94 0.071 19.5 IMA1845 Pulp 8,1 85.4 7.4 60 0.2 133,3 35,8 788 5.11 7 3.0 8.0 344 0.2 0.B 0.3 211 5.28 0.180 44.9 77.5 IMA1846 Pulp 1.0 56.2 14.0 76 0.1 33.2 1041 5.03 1 1.7 6.1 870 0.2 1.0 0.3 136 0.173 40.2 5.59 IMA1847 Pulp 2.4 19.3 3.8 23 0.1 47.9 11.2 557 2.87 29 0.3 0.9 352 < 0.1 0.8 0.1 69 3.06 0.030 8.1 Pulp IMA1848 2.6 5.7 26.2 4 < 0.1 7.5 4.2 25 0.33 5 17.3 75.5 21 < 0.1 0.2 0.5 92.7 0.03 0.011 IMA1849 Pulp 6.9 24.9 53.5 13 11.2 123 36 128.0 705.0 25 0.2 25.0 1.81 <0.1 0.6 0.6 15 0.26 0.078 329.0 IMA1850 Pulp 3.3 22.1 11.3 74 27.5 3 < 0.1 18.2 1187 4.92 3.7 4.9 511 0.1 0.4 0.2 119 8.02 0.106 40.9 29.0 IMA1851 Pulp 209.6 18.6 115 0,3 80.1 31.8 589 7,96 2 4.2 93 0.3 < 0.1 0.7 261 1.08 0.105 37.1 9.7 IMA1852 Pulp 22.8 182.3 22.5 101 0.3 71.3 29.0 589 7.71 2 6.9 16.8 133 < 0.1 0.4 0.8 178 1.04 0.082 61.9 IMA1853 Pulp 13.3 159.2 18.8 55 0.2 78.5 33.6 451 8.73 2 5.4 113 < 0.1 0.24 36.6 9.6 0.3 0.9 153 0.056 IMA1854 Pulp 8.0 109.2 21.2 48 0.2 51.2 21.3 353 5.49 4.1 8.1 132 0.2 < 0.1 0.6 130 0.22 0.044 30.8 IMA1855 Pulp. 28.0 215.5 16.4 118 0.4 84.9 35.3 699 9.21 1 8.8 23.7 94 0.7 < 0.1 173 0.71 0.064 86.7 0.7 IMA1856 Pulp 29.0 221.3 10.9 81 91,4 567 17.2 89 < 0.1 0.4 38.8 9.98 1 6.7 1.1 191 0.73 61.9 0.4 0.074 IMA1857 Pulp 23.7 192.6 19.0 47 0.4 89,8 35.9 385 8.23 3 5.8 11.4 137 0.2 < 0.1 1.2 125 0.60 0.094 48.4 IMA1858 Pulp 40.4 174.3 55.8 250 0.2 85.8 32.1 1827 9.29 1 25.6 11.0 63 0.3 < 0.1 0.5 186 45.8 0.59 0.095 66.4 3 IMA1859 Pulo 31.3 199.4 28.2 150 0.3 22.2 968 7.15 18,3 12.2 289 0.4 < 0.1 0.4 119 1.53 0.130 77.0 IMA1860 Pulp 15.3 122.0 14.6 174 0.3 34.9 13.0 2162 7,33 1 10.1 10.6 128 0,5 < 0.1 0.2 79 1.92 0.118 55.3 Pulp IMA1861 19,3 181.7 9.0 239 0,2 37.8 29.1 4985 13,75 <1 5,8 5.7 193 0.8 < 0.1 0.2 184 4.13 0.724 52. IMA1862 Pulp 3.7 38.9 5.8 157 <0.1 52.0 48.9 1980 9.25 <1 1.2 0.7 300 < 0.1 0.2 298 13,6 0.1 7.38 0.061 79.0 1308 <1 254 25.2 IMA1863 Pulp 14.2 249.8 10.6 111 0.1 52.3 9.04 6.2 4 0 0.1 0.1 0.4 271 5.09 0.071 IMA1864 Pulp 23.2 180.8 35.8 158 0.3 47.3 19.7 2000 7.72 <1 17.3 14.8 149 0.7 < 0.1 109 0.161 78.7 0.3 1.51 IMA1865 Pulp 21.0 175.8 36.9 48 0.7 63.9 28.0 598 6.10 1 7.0 14.3 192 0.3 < 0.1 124 0.083 53.2 0.6 1.98 IMA1866 Pulp 18.2 222.5 25.7 47 0.3 94.0 38.3 397 9.73 <1 10.1 13.5 139 <0.1 < 0.1 0.7 154 1.04 0.060 44.9 IMA1867 Pulp 5.6 180.7 115.8 16 0.5 31.2 10.9 482.7 586.5 124 0.1 22 0.63 0.024 38.5 67 3.00 0.1 0.3 IMA1868 Pulp 280.9 21 0.3 89.3 36.0 <1 13.1 17.3 < 0.1 40.6 15.4 38.6 196 8.41 189 0.1 0.9 68 0.85 0.048



BURE FEE MINERAL LABORATORIES

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28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project: Report Date:

Client:

None Given March 15, 2017

MacGregor, R.A.

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada PHONE (604) 253-3158

2 of 7

1014L (004) 20L	-0100												Page:		2 of	7				Pa	art; 2	of 3
CERTIFIC	CATE O	FAN	IALY	'SIS													V	\N1	7000	0385	.1	
		Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA2								
		Analyte	Cr	Mg	Ba	m	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Та	Be	Sc	Li	s	Rb	
		Unit	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	pp
		MDL	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	6.1	0.1	(
IMA1839	Pulp		328	4.05	909	0.117	6.17	2.814	0.88	1.4	108.0	65	0.7	11.1	1.0	<0.1	<1	17	25.1	<0.1	31.7	2
IMA1840	Pulp		279	2.23	729	0.109	7.11	3.449	1.75	6.8	62.5	35	0.5	5.5	1.0	<0.1	1	12	7.6	0.3	45.3	
IMA1841	Pulp		428	2.35	740	0.086	6.60	2.476	1.89	4.9	61.1	33	0.4	5.3	0.6	<0,1	<1	13	6.5	0.6	56.7	
IMA1842	Pulp		136	3.78	559	0.595	5.90	1.547	3.00	1.3	72.3	28	1.3	21.4	3.6	0.2	1	31	12.2	0.9	100.4	2
IMA1843	Pulp		62	1.05	574	0.212	6.89	5.226	1.00	0.4	64.6	21	0.7	6.4	2.2	0.1	1	7	10.2	0.3	28.2	
IMA1844	Pulp	,,	587	2.25	37	0.149	5.84	4.425	0.06	13.3	88.5	43	0.6	9.0	1.7	0.1	<1	16	9.9	0.8	1.0	2
IMA1845	Pulp		301	3.39	435	0.199	6.88	4.095	0.08	1.6	245.2	96	1.2	22.1	2.2	0.1	2	21	18.0	0.6	1.3	e
JMA1846	Pulp		209	4.02	258	0.370	6.28	2.904	2.82	0.3	144.0	86	1.1	14.1	3.2	0.2	2	18	13.9	0.8	142.9	3
IMA1847	Pulp	-	26	1.77	545	0.120	7.56	4.962	1.25	7.3	71.9	18	1.6	6,5	1.1	<0.1	1	5	7.3	0.8	28.5	
IMA1848	Pulp		84	0.06	611	0.091	3.98	0.070	4.39	0.2	85.0	161	1.4	9,3	7.1	8.0	<1	1	2.0	<0.1	180.0	2
IMA1849	Pulp		155	0.16	262	0.253	2.47	0.070	3.89	3.2	184.8	600	1.5	55.3	32.4	3.5	· <1	2	4.6	1.4	151.6	
IMA1850	Pulp		74	3.48	997	0.617	6.60	1.917	3.76	1.0	80.2	83	5.0	46.9	7.7	0.5	2	15	36.7	0.3	155.4	2
IMA1851	Pulp		194	1.32	64	0.297	6.14	0.993	3.35	8,0	277.6	82	1.4	16.3	2.6	0.2	5	13	65.0	3.7	134.2	7
IMA1852	Pulp		160	1.53	128	0.249	7.17	1.135	3.98	0.5	523.7	131	1.4	20.9	17.5	1.2	4	9	75.0	3.0	152.7	11
IMA1853	Pulp		153	1.08	44	0.240	7.53	0.537	4.44	0.6	259.7	84	1.2	15.0	1.9	0.1	4	19	75.0	3.8	147.D	7
IMA1854	Pulp		173	0.89	95	0.199	6.94	0.514	4.69	0.6	202.6	71	1.2	12.4	1.5	<0.1	2	17	71.3	2.4	153.6	- 5
IMA1855	Pulp		175	2.03	112	0.275	7.35	0.715	3.51	0,4	874.1	187	1.7	27.6	29.3	1.4	5	9	98.5	3.3	135.9	16
IMA1856	Pulp		188	1.48	50	0.229	6.49	0.632	2.85	0.6	620.8	132	1.3	21.3	13.5	0.8	5	12	78.5	4.2	119.9	12
IMA1857	Pulp		206	0.90	54	0.189	6.87	0.627	3.82	1.1	271.7	108	1.1	18.6	1.7	0.1	3	15	63.4	3.6	140.3	ŧ
IMA1858	Pulp		118	0.81	255	0.615	7.99	2.886	4.50	2.7	543.8	102	3.8	37.9	24.3	1,3	6	17	52,3	2,8	175.4	12
IMA1859	Pulp		106	0.95	111	0.627	8.06	2.929	4.26	8.0	955.8	170	1.7	75.7	35.7	2,1	7	10	47.6	2.6	203.8	24
IMA1860	Pulp		138	0,90	253	0.581	7.37	1.813	2.94	2.8	758.0	130	5.0	106.1	30.1	1.8	8	9	43.8	1.3	131,1	17
IMA1861	Pulp		121	1.77	262	1.871	8.18	0.889	2.20	9.9	521.2	106	6.1	89.9	16.7	1.0	6	21	51.4	1.4	155,9	9
IMA1862	Pulp		110	4.70	254	0.931	7.79	1.542	0.94	1.0	36.9	26	2.7	36.2	2.4	0.2	<1	35	21,5	0.2	36.7	1
IMA1863	Pulp		165	3.52	268	0.784	8.06	1.360	1.68	1.9	124.4	51	1.9	29.7	3.1	0.2	2	29	49.0	1.7	72.2	3
IMA1864	Pulp		185	0.90	285	0.654	7.78	1.693	4.85	2.7	1006.0	177	4.5	119.6	43.5	2.5	8	9	46.2	2.4	154.6	26
IMA1865	Pulp		282	1.56	71	0.233	6.62	1.948	2.41	2.1	490.0	115	1.0	31.6	17.2	1,2	5	9	44.6	3.6	99.0	1
IMA1866	Pulp		206	1.10	65	0.208	6.90	2,068	3.34	1.4	274.6	96	0.8	15,3	4.0	0.3	6	14	63.6	3.9	176.3	
IMA1867	Pulp		322	0.13	84	0.029	3.34	1.465	0.70	1,4	1433.0	74	0.3	48.6	1.2	Ð, 1	6	2	12.2	1.5	22.9	86
IMA1868	Pulp	-	242	0.48	48	0.109	6.30	1.865	3.88	1.5	214.3	85	0.7	14.6	1.7	0.1	3	8	26.8	4.1	176.0	E



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

MacGregor, R.A. 28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project:

None Given

Report Date:

March 15, 2017

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CERTIFICATE OF ANALYSIS

VAN17000385.1

	<u> </u>				ALC:	
	Method	,,,,,,,,,,,	MA200	MA200	MA200	MA200
	Analyte		Re	Se	Te	Ti
	Unit	ppm	ppm	ppm	ppm	ppm
	MDL	0.05	0.005	1	0.5	0.5
IMA1839 F	ulp	<0.05	<0.005	<1	<0.5	<0.5
IMA1840 P	ulp	<0.05	<0.005	<1	<0.5	<0.5
	ulp	<0.05	<0.005	<1	<0.5	<0.5
IMA1842 P	ulp	0.07	0.006	<1	0.8	0.7
1MA1843 P	ulp	<0.05	<0.005	<1	<0.5	<0.5
IMA1844 P	'ulp	<0.05	<0.005	<1	<0.5	<0.5
IMA1845 F	'ulp	<0.05	<0.005	<1	<0.5	<0.5
IMA1846 F	ulp	<0.05	<0.005	<1	<0.5	1.7
IMA1847 F	'ulp	<0.05	<0.005	<1	<0.5	<0.5
IMA1848 F	ulp	<0.05	<0.005	2	<0.5	0.9
IMA1849 F	ulp	<0,05	<0.005	<1	<0.5	0.8
IMA1850 F	ulp	0.07	0,005	1	0,9	1.2
IMA1851 F	ulp	0.08	0,018	3	<0.5	4.7
IMA1852 F	ulp	<0.05	0.012	2	<0.5	5.3
IMA1853 F	ulp	0.06	0.008	<1	<0.5	4.9
IMA1854 F	ulp	0.08	0.006	<1	<0.5	4.9
IMA1855 F	ulp	0.14	0.015	2	<0.5	6.0
IMA1856 F	ulp	0,06	0.017	3	<0.5	4.1
IMA1857 F	ulp	0.09	0.011	<1	<0.5	4.2
IMA1858 F	ulp	0.19	0.017	3	<0.5	3.9
IMA1859 F	Pulp	0.12	0.018	3	<0.5	2.9
IMA1860 F	ulp	0.18	0.006	<1	<0.5	1.7
IMA1861 F	ulp	0.31	0.012	1	<0.5	2.2
IMA1862 F	uip	0.15	<0.005	<1	0,9	0.8
IMA1863 F	Pulp	0.09	0.010	2	0.5	1.3
IMA1864 F	Pulp	0.18	0.012	2	<0,5	2.5
IMA1865 F	ulp	0.06	0,007	2	<0.5	4.4
IMA1866 F	ulp	0.07	0.017	<1	<0.5	4.9
	ulb Julb	<0.05	0,011	<1	<0.5	<0.5
IMA1868 F	Pulp	<0.05	0,010	3	<0.5	3.2



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CERTIFIC	ATE OF	AN.	IALY	'SIS						(A)							\/ <i>/</i>	(N17	7000	385		
The state of the s	ı	Wethod	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200											
	,	Analyte	Mo	Сп	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cđ	Sb	Bì	V	Ca	P	La
		Unit	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm							
		MDL	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	0.1
IMA1898	Pulp		2.0	4.1	23.6	70	<0.1	6.3	9.6	713	8,16	1	3.0	6,2	172	0.2	<0.1	<0.1	33	1.56	0.213	25.0
IMA1899	Pulp		2.9	387.2	12.0	8	0.1	36.4	16.0	104	2.71	19	18.3	32.0	31	<0.1	0.1	0.6	55	0.28	0.023	53.3
IMA1900	Pulp		2.4	351.6	28.6	15	0.3	24.3	32.6	264	1.96	45	36.7	84.3	49	0.4	0.1	0.8	46	0.26	0.024	92.4
IMA1901	Pulp		2.2	90.7	39.0	8	0.2	7.0	5.8	31	0.45	9	99.0	460.6	25	<0.1	<0.1	0.7	10	0.05	0.048	478.9
IMA1902	Pulp		3.7	5.3	35.9	12	0.2	8.4	5.6	37	0.72	5	78.5	422.4	17	0.2	0.2	0.4	13	0.04	0.070	672.1
IMA1903	Pulp		5.4	8.9	103.6	5	0.2	5.9	7.5	17	0.59	5	147.6	1220.9	26	0.1	0.2	0.8	12	0.04	0.148	1408.4
IMA1904	Pulp		4.0	2.9	60,8	5	0.1	8.4	22.3	18	0.95	30	44.8	308.9	18	<0.1	0.1	0.8	7	0.02	0.051	526.7
IMA1905	Pulp		0.9	2.7	0.5	<1	<0.1	4.7	8.0	23	0.26	<1	1.2	2,7	3	<0.1	<0.1	<0.1	2	<0.01	0.002	5.4
IMA1906	Pulp		1.9	128.0	15.4	54	0.1	108.3	35.9	338	6.34	21	5.0	13.8	15	0.2	0.2	8.0	192	0.13	0.064	34.6
IMA1907	Pulp		1.0	9.2	1.8	2	<0.1	10.5	1.0	31	0.35	1	0.4	1.7	23	<0.1	<0.1	<0.1	5	<0.01	0.003	7.5
IMA1908	Pulp		2.2	214.0	13.7	48	0.2	112.7	38.2	346	6.70	9	4.8	12.5	15	<0.1	0.2	0.9	190	0.13	0.064	31.3
IMA1909	Pulp		1.5	87.7	69.1	128	0.2	52.7	23.8	370	6.75	6	9.1	21.8	16	0.5	<0.1	0.2	112	0.11	0.050	29.1
IMA1910	Pulp		1.7	88.6	112.4	194	0.5	51.7	32.1	335	6.49	29	19.9	49.7	20	1.1	0.1	0.5	140	0.10	0.049	53.7
IMA1911	Pulp		0.9	59.6	94.4	83	0.1	10.7	5.6	135	0.86	6	2.3	10.8	58	0.5	0.1	0.1	12	0.16	0.004	13.1
IMA1912	Pulp		2.1	17.1	19.8	10	<0.1	13.9	5.4	143	1.70	9	13.1	71.9	38	0.1	0.2	0.4	24	0.22	0.011	81.7
IMA1913	Pulp		5.5	8.9	25.2	3	<0.1	7.5	3.6	25	0.49	2		196.2	19	0.2	0.1	0.1	13	0.03	0.030	241,8
IMA1914	Pulp		3.5	7.2	67.9	3	<0.1	7.5	3.6	30	0.46	2		415.4	23	0.1	0.1	<0.1	12	0.02	0.052	485.4
IMA1915	Pulp		1.6	7.5	70.1	3	<0.1	5.6	3.8	19	0,34	1	70.2	174.5	16	<0.1	<0.1	0.2	7	0.03	0.022	177.6
IMA1916	Pulp		1.7	31.8	21.2	52	<0.1	37.3	12.8	187	3,13	1	7.6	19.9	86	0.2	<0.1	0.1	64	0.36	0.030	26.4
IMA1917	Pulp		1.2	122.0	21.8	66	0.2	44.0	56.8	466	7.19	. 4		9.2	90	<0.1	0.1	0.8	197	1,05	0.069	21.3
IMA1918	Pulp		2.3	33.9	7.7	25	<0.1	27.9	8.8	113	1.92	2	5,8	15.7	87	<0.1	<0.1	<0.1	30	0.20	0.015	23.3
IMA1919	Pulp		1.1	2.8	1.1	1	<0.1	5.4	1.0	26	0.30	<1	0.6	1.4	<u>2</u>	<0.1	<0.1	<0.1	2	<0.01	0.002	4.0
IMA1920	Pulp		0.6	1.2	7.0	44	<0.1	16.8	13.9	939	3.80	3		6.2	179	0.1	0.3	<0.1	81	6.56	0.067	28.7
IMA1921	Pulp		8.0	6.5	9.5	41	<0.1	14.1	12,1	820	3.52	2	2.9	4.8	246	0.1	0.4	0.1	86	6.41	0,069	26.5
IMA1922	Pulp		2.1	4.4	8.3	219	0.3	1.2	3.6	2889	8.02	1	6.2	10.6	115	0.7	<0.1	<0.1	<1	3,36	0.041	30.1
IMA1923	Pulp		1.2	2,2	10.7	78	<0.1	39.0	27.6	1113	5.50	4	2.5	3.2	282	0.1	0,9	0.3	171	7.82	0.065	39.0
IMA1924	Pulp		2.3	3,0	17.4	79	<0.1	38.7	21.0	1080	4.91	2	6.6	7.8	408	0.1	0.2		123	7.23	0.036	40.1
IMA1925	Pulp		14.7	19.8	14.2	151	0.2	5.6	3.4	1321	4.32	15		11.9	147	0.6	<0.1	0.1	24	2.84	0.068	27.7
IMA1926	Pulp		2.3	80.2	83.2	73	0.3	23.6	15.7	159	3.61	3	49.3	113.4	28	0.3	0.3	0.2	58	0.11	0.045	137.7
IMA1927	Pulp		7.1	31.3	39.8	4	0.1	7.1	15,1	25	0.79	20	64.4	353.0	22	<0.1	0.2	0.6	8	0.09	0.043	332.3



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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Cr	Mg	Ва	Ti	Al	Na	K	W	Zr	Çe	Sn	Y	Nb	Ta	Be	Sc	Li	S	Rb	Hf
	Unit	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	MDL	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	0.1
IMA1898 Pulp		72	0.44	662	0.800	8.84	3.513	4.82	8.0	322.4	59	5.0	47.8	10.8	0.6	4	8	61,1	<0.1	288.6	7.1
IMA1899 Pulp		192	0.58	751	0.121	6.01	1.188	4.82	0.6	222.2	106	1.7	6.9	4,7	0.4	<1	6	26.9	<0.1	207.0	6.7
IMA1900 Pulp		152	0.37	942	0.109	4.99	1.310	4.73	0,5	381.2	172	1.1	11.8	5.9	0.5	<1	6	6.0	0.1	158.9	11.5
IMA1901 Pulp		108	0 .08	857	0.136	4.36	0.069	5.17	0,7	148.9	849	1.8	34.3	13.2	1.5	1	2	2.8	<0.1	216.2	4.4
IMA1902 Pulp		205	0.11	493	0.251	4,27	0.051	3.74	0.8	151.2	1207	2.7	37.3	25.5	3.4	3	2	4.0	0.1	184.2	4.5
IMA1903 Pulp		89	0.07	587	0.299	4.05	0.052	4.12	0.6	217.3	>2000	2.3	82.5	31.5	3,5	1	3	4.6	0.3	195,9	6.5
IMA1904 Pulp		123	0.04	422	0.106	2.92	0.066	3.74	0.8	71.4	938	1.1	21.9	13.4	1,8	<1	1	2.9	0.7	146.0	2.0
IMA1905 Pulp		173	<0.01	8	0.004	0.25	0.068	0.09	<0.1	21.1	11	0.2	0.8	0.3	<0.1	<1	<1	0.2	<0.1	2.5	0.6
IMA1906 Pulp		186	1.27	602	0.547	9.99	0.053	5.87	3.0	158.1	73	3.3	13.4	11.5	1.0	4	27	32.0	0.8	316.7	4.5
IMA1907 Pulp		158	0.01	22	0.009	1.01	0.099	0.34	<0.1	28.8	15	0.3	1.2	0.4	<0.1	<1	<1	0.9	<0.1	11.0	0.8
IMA1908 Pulp		179	1,30	615	0.496	10,29	0.053	5.99	3.0	151,3	67	3.2	13.2	10,8	0.9	5	28	31.0	1.1	330.8	4.4
IMA1809 Pulp		178	1.36	382	0.364	7.14	0.170	3.53	1.8	96.0	62	1.9	10.1	8.2	0.7	3	15	27.6	0.5	197.6	2.9
IMA1910 Pulp		140	1.32	393	0.381	6.97	0.669	3.35	1.8	135.9	108	2.2	13.8	10.2	1.0	2	18	33.0	0.4	189.9	3.8
IMA1911 Pulp		87	0.21	678	0.061	4.61	1.497	3.31	0.2	66.2	26	0.5	2.7	3.3	0,3	<1	2	5.8	<0.1	105.3	1.8
IMA1812 Pulp		136	0.40	1232	0.155	6.01	0.077	6,12	0.7	177.7	152	1.9	10.8	13.6	1.2	2	4	14.8	<0.1	223,2	4.9
IMA1913 Pulp		128	0.08	635	0.271	4.73	0,061	4.57	0.6	193.2	435	2.5	24.0	25.9	2.9	1	3	2.4	<0.1	216.9	5.4
IMA1914 Pulp		125	0.06	639	0,161	4.58	0.191	4.52	1.0	124.9	911	1.8	35.7	16.8	1.8	1	2	2.9	<0.1	188.5	3.5
IMA1915 Pulp		80	0.06	488	0.10 5	3.93	0.050	3.60	0.3	87.2	336	1.4	18.6	9.8	1.0	1	1	2.0	<0.1	149.0	2.4
IMA1916 Pulp		151	1.27	159	0.104	6.65	3.142	1.39	0.5	200.1	59	1.7	6.2	2.8	0.2	1	8	19.7	<0.1	74.6	5.4
IMA1917 Pulp		165	2.43	45	D. 187	6.26	2.115	0.46	0.6	131.1	45	0.7	6.5	2.5	0.1	<1	22	34.9	1.1	25.2	3.4
IMA1918 Pulp		165	0.72	61	0.064	4.76	3.055	0.48	0.4	127.6	46	0.7	4.7	2.1	0.2	<1	4	11.6	<0.1	25.3	3.5
IMA1919 Pulp		145	<0.01	6	0.004	0.27	0.076	0.09	<0.1	18.8	В	0.2	0.6	0.3	<0.1	<1	<1	0.1	<0.1	2.9	0.5
IMA1920 Pulp		61	4.01	480	0.423	5.94	1.078	4.03	0.5	146.3	60	1.7	30.4	8.4	0.5	2	13	55.2	<0.1	138.6	4.0
IMA1921 Pulp		59	3.61	539	0.402	6.27	1.937	3.96	0.5	104.9	57	2.3	31.0	9.3	0.5	2	13	51.3	<0.1	131.5	3.0
lMA1922 Pulp		34	0.17	289	0.554	7.35	4.318	3.53	0.3	1060.1	129	10.5	204.1	48.9	2.6	7	1	19.9	<0.1	108.0	24.6
IMA1923 Pulp		97	3,59	767	0.570	6.44	2.404	2.80	0.4	62.8	78	1.9	57.3	4.7	0.2	2	24	61.4	<0.1	97.8	2.2
IMA1924 Pulp		56	2.76	750	0.548	8.40	2.319	3.12	1.4	95.7	82	3.6	54.7	18.4	1.1	8	20	70.4	0.1	99.3	3,3
IMA1925 Pulp		87	0.88	516	0.403	7.12	1.731	2.09	4.2	711.6	63	5.5	93.4	36.0	1.9	6	3	39.9	0.4	94.0	16.5
IMA1926 Pulp		216	0.65	403	0.284	5.39	0.804	2.64	1.1	185.8	265	1.7	22.0	15.0	1.5	2	6	26.0	0.3	168.1	5.0
IMA1927 Pulp		93	0.07	556	0.206	3.60	0.083	4.50	1.1	163.7	609	1.5	34.0	22.5	2.3	<1	2	2.9	0.5	175.5	4.6



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CERTIFICATE OF ANALYSIS

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		Method	MA200	MA200	MA200	MA200	MA200
		Analyte	In	Re	Se	Te	ŤI
		Unit	ppm	ppm	ppm	ppm	ppm
		MDL	0.05	0.005	1	0.5	0.5
IMA1898	Pulp		0.05	<0.005	2	<0.5	2.4
IMA1899	Pulp		<0.05	<0.005	<1	<0.5	0.9
IMA1900	Pulp		<0.05	<0.005	<1	<0.5	0.9
IMA1901	Pulp		<0,05	<0.005	1	<0.5	1.1
IMA1902	Pulp		<0.05	<0.005	<1	<0.5	0.8
IMA1903	Pulp		<0.05	<0.005	2	<0.5	0.8
IMA1904	Pulp	·	<0.05	<0.005	1	<0.5	0.7
IMA1905	Pulp		<0.05	<0.005	<1	<0.5	<0.5
IMA1906	Pulp		0.12	0.011	2	0.5	1.6
IMA1907	Pulp		<0.05	<0.005	<1	<0.5	<0.5
IMA1908	Pulp		0.13	0.014	3	0.6	1.5
IMA1909	Pulp		0.06	<0.005	2	<0.5	1.0
IMA1910	Pulp		0.13	<0.005	1.	<0.5	0.9
IMA1911	Pulp		<0.05	<0.005	<1	<0.5	0.6
IMA1912	Pulp		<0.05	<0.005	<1	<0.5	1.0
IMA1913	Pulp		<0.05	<0.005	1	<0.5	0.9
IMA1914	Pulp		<0.05	<0.005	<1	<0.5	0.B
IMA1915	Pulp		<0.05	<0.005	<1	<0.5	0.7
IMA1916	Pulp	• •	<0.05	<0.005	<1	<0.5	<0.5
IMA1917	Pulp		<0.05	<0.005	<1	<0.5	<0.5
IMA1918	Pulp		<0.05	<0.005	<1	<0.5	<0.6
LMA1919	Pulp		<0.05	<0.005	<1	<0.5	<0.5
IMA1920	Pulp		0.06	<0.005	<1	1.0	1.5
IMA1921	Pulp		0.07	<0.005	<1	1.5	1.5
IMA1922	Pulp		0.40	<0.005	2	<0.5	0.6
IMA1923	Pulp		0.11	<0.005	<1	1.2	1.2
IMA1924	Pulp		0.08	<0.005	<1	1.1	0.9
IMA1925	Pulp		0.13	<0.005	1	<0.5	0.9
IMA1926	Pulp		0.06	<0.005	1	<0.5	1.0
IMA1927	Pulp		<0.05	<0,005	1	<0.5	0.8

This 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.



MINERAL LABORATORIES
Canada

www.bureauveritas.com/um

Client:

MacGregor, R.A. 28 Ford St.

Sault Ste. Marie Onterio P6A 4N4 Canada

Project:

Report Date:

None Given March 15, 2017

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Page:

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Part: 1 of 3

CERTIFICATE O	F AN	IALY	'SIS						*				ariana ariana			VA	\N17	700C	385	. 1	
	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Мо	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	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	0.1
IMA1928 Pulp		0.8	17.1	2.6	2	<0.1	12.8	3.7	24	0.48	2	1.7	5.0	14	<0.1	<0.1	0,1	14	0.02	0.007	12.9
IMA1929 Pulp		1.4	32,7	10.1	32	<0.1	21.3	13.8	36	0.65	11	12.1	6.3	14	0.2	<0.1	0.4	10	0.04	0.005	9,8
IMA1930 Pulp		4.8	28.4	161.1	209	0.2	5.7	9.7	28	0.85	11	38.4	91.6	9	1.0	<0.1	0,6	16	0.01	0.015	123.6
IMA1931 Pulp		10.3	41.3	150.3	147	0.2	7.0	12.6	20	0.85	11	91.0	135.1	4	0.6	<0.1	0.5	14	0.02	0.026	219.1
IMA1932 Pulp		1.6	97.2	55.2	113	0.2	6.6	3.7	74	0.88	2	18.3	85.5	13	0.8	0.1	0.5	12	0.08	0.010	91.6
IMA1933 Pulp		1.7	583.3	44.4	177	0.2	7.5	4.6	89	0.99	2	37.9	191.8	10	0.9	0.2	0.3	10	0.14	0.022	226,0
IMA1934 Pulp		18.7	50.6	523.2	57	0.6	9.6	18.8	51	1.20	<1	489.7	1503,8	19	0.4	0.2	3.1	16	0.07	0.136	1490.0
IMA1935 Pulp		13.0	70.0	341,3	41	0.2	9.8	18.5	51	1.45	1	427.8	1501.0	19	0.3	0.1	1.3	16	0.07	0.148	1610.8
IMA1936 Pulp		22.4	81.2	807.9	59	0.4	16.3	41.6	81	2.07	2	1395,3	3306.0	29	0.3	0.3	2.5	28	0.15	0.280	>2000
IMA1937 Pulp		5.5	32.0	304.7	248	0.3	7.2	12.2	61	1.17	5	279.1	723.8	11	1.8	0.1	0,3	26	0.14	0.089	661.2
IMA1938 Pulp		8.7	24.5	474.7	537	0.2	9,2	12.0	64	0.91	8	178.4	812.3	8	3.5	<0.1	0.2	18	0.16	0.098	901.8
IMA1939 Pulp		7.1	10.3	299.8	187	0.2	6,8	8.8	34	0.81	5	128.8	626.7	17	1.4	<0.1	0.8	18	0.05	0.073	663,5
IMA1940 Pulp		5.8	8.8	190.0	169	0.2	5.8	6.4	34	0.79	3	119.6	476.4	15	0.9	<0.1	0.8	15	0.06	0.058	476.2
IMA1941 Pulp		25.1	30.6	883.2	861	0.6	12.3	35,5	B4	1.29	24	609.1	1962.4	24	5.8	0,2	2.5	18	0.17	0.187	1944.8
IMA1942 Pulp		15.6	39.4	654.3	195	0.4	13.0	36.2	54	1.45	23	658.9	2451.3	23	1.4	0.2	2.6	22	0.12	0.245	>2000
IMA1943 Pulp		3.1	>10000	134.3	234	4.4	49.8	34.6	251	3.07	<1	9.3	30.3	23	2.2	0.1	1.2	71	0.52	0.021	58.2
IMA1944 Pulp		7.5	>10000	44.5	91	4.1	41.7	28.0	259	4.05	<1	23.9	104.2	21	1.1	0.1	0.9	93	0.48	0.038	137.8
IMA1945 Pulp		3.7	148.7	160.7	1146	0.4	7.2	6.0	44	0.65	1	149.2	682.8	19	9,0	0.1	0.4	8	0.17	0.068	713.9
IMA1946 Pulp		11.8	27.1	181.6	3	0.1	5.8	8,5	70	0.84	2	140.3	868.6	34	0.2	0.2	0.2	15	0.27	0.097	963.7
IMA1947 Pulp		6.0	53.4	228.9	200	0.1	64.9	9.3	131	1.15	<1	138.2	779.6	32	1.5	<0.1	0.2	18	0.27	0.084	877.8
1MA1948 Pulp	1	3,1	10.8	42.9	4	<0.1	9,2	5.0	50	0.63	1	67.9	360.1	25	0.1	<0.1	0.3	12	0.11	0.044	468.4
IMA1949 Pulp		1.9	99.2	39.9	71	0.1	96.6	35.3	204	3.94	37	4.2	9.0	23	0.2	0.2	1.0	158	0.08	0.045	26.5
IMA1950 Pulp		1.1	8.9	15.1	40	<0.1	9.8	6.0	618	1,82	<1	3.0	10.8	537	0.1	<0.1	<0.1	39	2.23	0.039	22.5
IMA1951 Pulp		2.4	33.7	13.8	118	<0.1	28.5	36.6	1437	8.19	2	0.5	1.0	410	0.1	0,2	0.2	288	6.26	0.031	9.8
IMA1952 Pulp		2.9	25.5	33.0	94	<0.1	65.4	25.5	898	4.05	1	32.4	35.7	558	0.2	0.2	0.1	97	4.97	0.085	15.1
IMA1953 Pulp		5.7	42.3	30.9	120	<0.1	21.8	22.B	1433	6.70	2	6.3	7.4	536	0.4	0.2	0.2	259	5,99	0.081	32.7
IMA1954 Pulp		14.4	99.5	35.6	179	0.1	18.4	45.7	1663	9.79	3	3.3	2.8	561	0.3	0.5	0,5	304	7.37	0.262	32.4
IMA1955 Pulp	I	2.4	38.9	24.4	158	<0.1	35.6	45,5	1838	8.73	2	0.6	0.9	319	0.3	0.4	0,3	276	8.33	0.117	10.6
IMA1956 Pulp		4.5	31.4	37.0	140	0.3	9.8	8.0	1733	8.16	4	4.6	9.6	283	0.4	0.2	0.5	64	4.37	0.100	35.1
IMA1957 Pulp		2,3	2.7	20.4	124	<0.1	19.0	15.5	1477	3.70	2	14.9	30.2	321	0.3	0.2	0.2	79	9.13	0.088	34.1



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MacGregor, R.A. 28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

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Page:

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Part: 2 of 3

CERTIFIC	CATE OF	ΑN	IALY	'SIS													VA	N1	7000)385	1	
	M	lethod	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200												
	A	nalyte	Cr	Mg	Ва	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Τa	Be	Sc	Li	S	Rb	Hf
		Unit	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
		MDL	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	0.1
IMA1928	Pulp		138	0.12	411	0.048	2.64	0.032	2,54	0.3	46.7	25	0.7	3.3	1.3	0.1	<1	2	3.2	<0.1	95.8	1.3
IMA1929	Pulp		124	0.17	322	0.037	1.71	0.105	1.94	0.4	47.4	18	0.6	3.8	2.5	0.1	<1	1	4.3	0.2	63.7	1.4
_IMA1930	Pulp		121	0.14	276	0.191	4.53	0.043	3,01	1.0	151.0	243	2.4	13.2	<u>15.0</u>	1.8	2	2	5.4	0.2	161.7	4.7
IMA1931	Pulp		105	0.11	149	0.227	4.04	0.035	2.41	1.1	136.1	427	2.1	20.3	19.0	2.2	2	. 3	5.5	0.2	127.0	4.1
IMA1932	Pulp		247	0.25	362	0.091	2.00	0.106	1.91	0.4	72.9	159	0.8	10.3	9,0	0.5	<1	<1	5.8	<0.1	77.3	2.1
IMA1933	Puip		226	0.32	164	0.086	1.19	0.030	0,78	0.2	63.2	398	8.0	23.1	7.0	0.3	<1	<1	5.0	0.1	42.9	1.9
IMA1934	Pulp		149	0.24	348	0.357	3.64	0.034	2.78	0.9	209.0	>2000	3,5	137.8	36.5	4.4	2	4	8.7	0.4	164.9	6.5
IMA1935	Pulp		168	0.24	350	0.397	3.49	0.033	2.80	8.0	218.3	>2000	3,5	136.5	41.2	4.9	2	4	9.1	0.6	162.5	6.6
IMA1936	Pulp		209	0.30	327	0.434	3.92	0.032	2,65	1.2	232.8	>2000	4,8	327.5	55,6	6.9	2	5	13.6	0.8	174.4	7.1
IMA1937	Pulp		106	0.41	430	0.417	6.86	0.048	4.76	1.1	192.8	1246	5.9	78.4	42,2	5.1	5	5	15.2	0.2	281.5	5.9
IMA1938	Pulp		218	0.30	268	0.365	4.03	0.031	2.66	0.8	193.9	1639	3.8	78.5	38.8	4.3	2	4	9,2	0.1	163.6	5.9
IMA1939	Pulp		136	0.29	544	0.379	4.23	0.038	3.59	0.5	343.9	1194	3,7	64.0	31.8	3.6	2	4	9.0	0.1	202.2	10.6
IMA1940	Pulp		131	0.29	483	0.268	4.00	0.073	3.34	0.5	226.4	867	3.4	49.4	22.8	2.4	2	3	9,5	<0,1	190.5	6.7
IMA1941	Pulp		172	0.31	413	0.388	3.44	0.031	2.80	0.9	249.6	>2000	4.1	188.0	46.9	5.9	2	4	10.0	0.6	167.5	7.4
IMA1942	Pulp		160	0.31	442	0.541	3.73	0.030	2.72	1.1	381.5	>2000	4.6	234.6	60.7	7.4	3	6	10.8	0,5	181.7	11.5
IMA1943	Pulp		211	0.69	173	0.220	5.08	0.350	3.07	1.0	83.2	101	3.9	8.6	10,6	0.5	3	10	24.2	1.3	209.5	2.4
IMA1944	Pulp	1	293	1.06	336	0.342	5.49	0.375	3.44	1.2	122.8	250	3.9	18.0	22.5	1.0	2	12	28.4	1.1	251.4	3.4
IMA1945	Pulp		139	0.20	403	0.133	2.11	0.105	1.83	0.3	94.0	1257	1.3	75.0	13.8	1.2	1	1	7.5	0.1	92.7	2.9
IMA1946	Pulp		113	0.13	939	0.506	3.64	0.112	4.67	2.0	296.8	1676	2.1	76.5	52.8	6.1	2	4	6.3	0.2	190.5	9.2
IMA1947	Pulp		150	0.21	858	0.416	3.80	0.083	4.87	1.3	199.3	1585	2.5	63.0	41.0	4.7	1	3	6,8	0.3	187.7	6.1
IMA1948	Pulp		119	0.14	859	0.265	4.41	0.108	5.02	0.6	203.2	828	3.1	35.4	20.9	2.3	2	2	4.3	<0.1	206.4	6.1
IMA1949	Pulp	i	165	1.33	429	0.197	9.43	0.321	5.69	1.3	112.9	59	2.9	7.5	2.5	0.2	3	19	21.0	0.7	203.4	3.3
IMA1950	Pulp		142	0.70	932	0.248	6.25	2.740	2.43	0.2	97.0	47	1.5	22.4	9.1	0.6	2	6	9.9	<0.1	51.7	2.8
IMA1951	Pulp		84	2.84	281	1.110	9.61	3.311	0.61	1.9	25.2	26	2.1	36.6	4.4	0.3	1	29	41.7	<0.1	16.5	1.3
IMA1952	Pulp		143	1.78	748	0,633	7,39	2.675	1.58	5.8	188.7	31	1.5	20.3	12.7	0.8	8	10	35.2	<0.1	107.3	6.1
IMA1953	Pulp		83	3.12	738	0.898	8.09	2.858	1.33	3.4	163.4	58	0.9	50.0	11.7	0.6	2	24	41.6	0.2	123.6	4.4
IMA1954	Pulp		17	2,52	579	1.604	7.77	2.473	1.26	15.4	57.1	61	2.4	56,6	9.6	0.5	1	24	74.1	0.4	64.3	2.5
IMA1956	Pulp		55	2.95	329	0,956	9.04	2.425	0.71	7.3	24.7	26	1.4	36.5	3.9	0.2	<1	26	40.7	<0.1	31.6	1.3
IMA1956	Puip	-	124	1.74	800	0.822	7.90	2.265	4.76	4.2	185.5	70	7.1	54.8	21.6	1.0	5	14	13,5	0.6	143.6	4.2
IMA1957	Pulp		46	3.63	1023	0.367	6.20	1.692	3.99	1.0	155.6	85	3.3	70.1	44.3	2.6	4	10	57.0	<0.1	243.3	6.5



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MUREAU MINERAL LABORATORIES
WERLTAS Canada

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

Bureau Veritas Commodities Canada Ltd.

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Project:

Client:

Sault Ste. Marie Ontario P6A 4N4 Canada

None Given

28 Ford St.

Report Date:

March 15, 2017

MacGregor, R.A.

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Part: 3 of 3

CERTIFICATE OF ANALYSIS

VAN17000385.1

September 1985 Aug 1985	1, 14, 16, 17, 18, 18, 18, 18, 18, 18, 18, 18, 18, 18		32.			3.00	
		Method	MA200	MA200	MA200	MA200	MA200
		Analyte	ln	Re	Se	Te	TI
		Unit	ppm	ppm	ppm	ppm	ppm
		MDL	0.05	0.005	. 1	0.5	0.5
IMA1928	Pulp		<0.05	<0.005	<1	<0.5	<0.5
IMA1929	Pulp		<0.05	<0.005	<1	<0,5	<0.5
IMA1930	Pulp		<0.05	<0.005	<1	<0.5	0.9
IMA1931	Pulp		<0.05	<0.005	<1	<0.5	0.6
IMA1932	Pulp		<0.05	<0.005	<1	<0.5	<0.5
IMA1933	Pulp		0.08	<0.005	<1	<0.5	<0.5
IMA1934	Pulp		<0.05	<0.005	2	<0.5	0.9
IMA1935	Pulp		<0.05	<0.005	-1	<0.5	0.9
IMA1936	Pulp		<0.05	<0.005	3	<0.5	1.0
IMA1937	Pulp		80.0	<0.005	2	<0.5	1.6
IMA1938	Pulp		0.05	<0.005	<1	<0.5	1.0
IMA1939	Pulp		0.05	<0.005	<1	<0.5	1.2
IMA1940	Pulp		<0.05	<0.005	<1	<0.5	1.1
IMA1941	Pulp		0.06	<0.005	3	<0.5	1.2
IMA1942	Pulp		0.05	<0.005	2	<0.5	1.1
IMA1943	Pulp		0.53	<0.005	6	<0.5	2.0
IMA1944	Pulp		0.46	<0.005	4	<0.5	1.7
IMA1945	Pulp		0.36	<0.005	1	<0.5	0.5
IMA1946	Puip		<0.05	<0.005	1	<0.5	1.0
IMA1947	Pulp		<0.05	<0.005	<1	<0.5	1.1
IMA1948	Pulp		<0.05	< 0.005	<1	<0.5	1.0
IMA1949	Pulp		0.07	<0.005	1	<0.5	1.4
IMA1950	Pulp		<0.05	<0.005	<1	<0.5	<0.5
IMA1951	Pulp		0.11	<0.005	<1	<0.5	<0.5
IMA1952	Puip		<0.05	<0.005	<1	0.7	1.3
IMA1953	Pulp		0.05	<0.005	<1	0.8	2.2
IMA1954	Pulp		0.11	<0.005	<1	0.7	1.1
IMA1955	Pulp		0.10	<0.005	<1	8.0	0.5
IMA1956	Pulp		0.08	<0.005	<1	<0.5	1.7
IMA1957	Pulp		<0.05	<0.005	<1	1.7	2.3

This 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.



MINERAL LABORATORIES Canada

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

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Client:

MacGregor, R.A.

28 Ford St.

Sault Ste, Marie Ontario P6A 4N4 Canada

Submitted By: Receiving Lab: R.A. MacGregor Canada-Vancouver

Received:

March 06, 2017

Report Date:

March 21, 2017

Page:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Code Description

1 of 3

Sorting, labeling and boxing samples received as pulps

1:1:1 Agua Regia digestion Ultratrace ICP-MS analysis

Warehouse handling / disposition of pulps

CERTIFICATE OF ANALYSIS

VAN170003751

Test

15

Wgt (g)

Report

Status

Completed

Lab

VAN

VAN

VAN

CLIENT JOB INFORMATION

None Given

Bureau Veritas Commodities Canada Ltd.

Shipment ID:

Project:

P.O. Number Number of Samples:

PHONE (604) 253-3158

DISP-PLP

Dispose of Pulp After 90 days

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

Invoice To:

MacGregor, R.A.

28 Ford St.

Sault Ste. Marie Ontario P6A 4N4

Canada

Procedure

Code

SLBHP

AQ251

DRPLP

Number of

Samples

48

48

48

CC:

This report supersedes elli 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. All results are considered the confidential property of the client. Bureau Veritas 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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MacGregor, R.A. 28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

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Page:

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Part: 1 of 2

CERTIFIC	ATE OF	Á٨	ALY	'SIS													V/	N1	7000	375	.1	
	Me	thod	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ25
	Ana	alyte	Мо	Cu	Pb	Zn	Ag	NI	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	ВІ	V	Ca	ŀ
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0,1	0.1	0.2	0.1	0.5	6.01	0.02	0.02	2	0.01	0.00
1AX 468	Pulp		0.33	9.84	9.15	98.0	372	16.0	4.4	75	1.47	2.1	0.4	2.9	3.5	7.8	0.15	0.04	0.10	21	0.10	0.019
1AX 469	Pulp		0.92	143.27	9.33	59.0	1417	97.4	27.3	767	4.19	42.2	0.9	5972.7	4.3	242.1	0.06	0.09	0.14	89	3.57	0.16
1AX 470	Pulp		0.73	101.27	7.09	48.8	170	59.1	25.6	614	3.39	39.4	0.7	121.1	3.6	194.6	0.08	0.09	0.09	80	3,10	0.13
1AX 471	Pulp		0.58	54.97	13.91	65,8	159	37.0	13.2	478	2.23	17.5	0.9	202.5	6.5	171.1	0.26	0.09	0.12	46	2.91	0.11
1AX 472	Pulp		0.90	39.51	37.90	28,3	198	37.1	13.3	445	2,06	17.7	8,0	289.4	5.0	172.2	0.05	0.12	0.24	40	2.67	0.102
1AX 473	Pulp		0.84	44.07	4.86	39.5	40	98.8	22.3	849	3.19	28.9	8.0	37.3	4.4	221.9	0.07	0.07	0.05	65	3,89	0.090
1AX 474	Pulp		0.95	18.68	4.02	4.2	80	15.6	8.8	25	0.54	3.5	2.6	0.7	7.0	2.7	0.02	0.08	0.22	2	0.03	0.010
1AX 475	Pulp		2.17	77.31	87.50	125.9	228	19.4	13,2	105	2.44	1.8	48.7	1.8	121.0	4.5	0.57	0.05	1.01	6	0.06	0.028
1AX 476	Pulp		1,11	55.82	10.23	19.7	37	21.1	7.0	185	1.64	3.2	3.4	5,2	9.7	3.1	0.09	0.03	0.22	3	0.07	0,01
1AX 477	Pulp		2.03	53.96	3.11	14.2	41	56.3	24.4	333	3.60	11.5	4.3	0.9	14,5	4.7	0.02	0.03	0.27	8	0.09	0.03
1AX 478	Pulp		1.78	2.75	15.54	1.0	21	5.9	1,2	· 18	0.16	1.7	8.8	0.6	38.8	2.2	<0.01	<0.02	0.10	<2	0.03	0.01
1AX 479	Puip		0.73	15.75	2.67	78.8	847	1044.1	89.1	1429	5.88	794.2	<0.1	122.0	0.2	366.7	0.08	1.84	0.08	137	6.04	0.00
1AX 480	Pulp		1.83	38.27	114.85	186.6	223	70.7	17.9	227	3.88	41.9	2.9	2.8	9.5	8.3	0.96	0.09	0.60	19	0.14	0.04
1AX 481	Pulp		1.96	70.86	11.36	30.0	99	70.8	20.1	152	3.17	36.5	3.4	3.5	11.5	5.8	0.03	0.07	0.65	14	0.09	0.04
1AX 482	Pulp	f	1.84	65.12	45.34	32.1	90	27.8	7.5	130	2.78	36.2	2.9	2.0	10.5	5.3	0.07	0.05	0.79	14	0.09	0.04
1AX 483	Pulp		0.82	14.59	2.65	1.4	13	7.5	2.2	53	0.41	3.2	1.9	1.3	7.1	2.1	<0.01	0.03	0.18	3	0.10	0,00
1AX 484	Pulp		1.49	8.87	3.24	1.5	20	7.0	2.2	71	0.65	2.0	6.4	1.4	30.5	3.3	0.02	0.03	0.14	2	0.29	0.00
1AX 485	Pulp		2.47	9.63	4.63	1.1	48	5.6	2.2	40	0.45	2,3	21.9	4.5	136.4	3.9	0.01	0.04	0.14	<2	0.12	0.01
1AX 486	Pulp		2.28	23.42	1.74	24.9	21	16.0	8.6	281	1.74	1.3	2.2	0.6	2.4	173.2	0.04	0.12	0.12	40	1.92	0.09
1AX 487	Pulp		1.60	141.94	435.81	430.1	430	101.2	32.8	188	2.97	40,3	3.3	11.2	10.8	7.2	2.60	0.08	1.14	11	0.25	0.04
1AX 488	Pulp		2.02	120.10	674,19	811.7	246	96,5	39.6	229	3.82	30.1	4.6	4.3	12.9	7.8	4.79	0.09	0.41	21	0.17	0.04
1AX 489	Pulp		2.41	217.42	12.19	35,6	215	108.3	42.7	243	5.07	10.7	2.8	11.9	7.3	4.9	0.03	0.05	1.01	21	0,12	0.05
1AX 490	Pulp		27,75	105.51	10.27	97.6	262	143.4	57.3	1719	7.17	160.6	1.3	18,2	0.8	102.8	0.19	0.46	0.32	50	4,92	0.02
1AX 491	Pulp	$\neg \neg$	103.22	8.64	12.52	46.7	92	14.6	12.2	1281	2.23	1.9	4.9	10,5	7.1	172.4	0.36	0.29	0.46	8	2.74	0.08
1AX 492	Pulp		0.44	2.84	2.01	28.1	16	23.3	7,9	87	1.83	3.9	1.2	5.8	5.8	27,8	0.02	0.21	0.04	27	0.26	0.07
1AX 493	Puip		11.16	4.00	5.30	35.5	10	16.1	8.5	487	1.94	3.2	1.2	0.6	5.5	158,7	0.05	0.28	0.03	13	2.65	0.07
1AX 494	Pulp		4.00	3.44	6.45	53.0	8	21.8	12.5	589	2.33	1.2	0.9	0,5	5.2	181.6	0.06	0.24	0.05	15	3.23	0.07
1AX 495	Puip		0.28	5.40	5.98	40.7	133	15.1	5,4	76	1.23	0.9	0.4	1,3	3.1	8.9	0.06	0.03	0.08	22	0.11	0.01
1AX 496	Pulp	-+	0.65	3.06	1.79	27.4	14	22.1	8.5	92	1.80	2.1	1.2	1.4	5.5	23.9	0.01	0.20	0.03	28	0.20	0.07
1AX 497	Pulo	—†	6.80	12.50	4.12	12.2	17	17.8	13.4	161	1.07	8.1	1.5	6.4	5.7	53.2	0.05	0.52	0.15	9	1.13	0.10



BUREAU MINERAL LABORATORIES

www.bureauveritas.com/um

Project:

MacGregor, R.A. 28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Report Date:

Client:

None Given March 21, 2017

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Page:

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Part: 2 of 2

CERTIFICATE OF ANALYSIS

Method Maria Mar	CERTIFICATE	OF A	۷AL۱	′SIS		V.											VA	(N17	7000	0375.1
Unit Park		Method	AQ251																	
MOL 0.8 0.5 0.01 0.8 0.001 1 0.01 0.001 0.01 0.01 0.01 0.02 0.02 3 0.01 0.03 0.02 0.02 3 0.1 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.02 0.02 0.03		Analyte	La	Çr	Mg	Ва	TI	В	Al	Na	ĸ	W	Sc	Tì	S	Hg	Se	Te	Ga	l
1AX 488		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	İ
1AX 469 Pulp 25.8 351.1 3.59 91.5 0.05 5 2.21 0.082 0.19 0.2 14.6																				



Bureau Veritas Commodities Canada Ltd.

www.bureauveritas.com/um

MacGregor, R.A.

28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Submitted By:

Client:

R.A. MacGregor

Receiving Lab:

Canada-Vancouver

Received:

June 06, 2017

Report Date:

June 12, 2017

Page:

1 of 2

CERTIFICATE OF ANALYSIS

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 19

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

SAMPLE DISPOSAL

PHONE (604) 253-3158

IMM-PLP

Return immediately after analysis

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
BAT01	1	Batch charge of <20 samples			VAN
SLBHP	19	Sorting, labeling and boxing samples received as pulps			VAN
LF100	19	Refractory and REEs by fusion and ICP-MS analysis	0.2	Completed	VAN

ADDITIONAL COMMENTS

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

Invoice To:

CC:

MacGregor, R.A.

28 Ford St.

Sault Ste. Marie Ontario P6A 4N4

Canada



This 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.

All results are considered the confidential property of the client. Bureau Veritas 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.



MINERAL LABORATORIES
Canada

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Client:

MacGregor, R.A. 28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project:

Report Date:

None Given June 12, 2017

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Page:

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Part: 1 of 2

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3 2798.0 2
11.6 5.4 5.4 61.6 11.2 19.3 19



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Project:

Client:

MacGregor, R.A. 28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

None Given

Report Date:

June 12, 2017

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Page:

2 of 2

Part: 2 of 2

CERTIFICATE OF ANALYSIS

VAN17001075.1

	Method	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100
	Analyte	Nd	Sm	Eu	Gd	Tb	Dy	Но	Er	Tm	Yb	Lu
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01
REE 182 P	ılp	258.4	36.31	1,51	23.27	2.62	11.65	1.76	4.50	0.57	3.39	0.46
REE 183 P	ılp	374.4	52.86	1.92	30.29	3.08	12.42	1.60	3.85	0.52	2.99	0.39
REE 184 P	ılp	818.9	114.57	4.09	68.88	7.11	28.67	3.80	8.81	1.13	6,55	0.84
REE 185 P	ılp	325.2	45.51	2,73	27.01	2.87	11.15	1.44	3.27	0,44	2.63	0.33
REE 186 P	яþ	206.7	29.50	1.72	19,47	2.53	11.88	1.87	4.73	0.57	3.37	0.45
REE 187 P	ılp	162.9	24.05	2,09	14.22	1.72	8.16	1.35	3.47	0.50	3.13	0.40
REE 188 P	ılp	294.6	41.58	2,08	25.43	2.64	12.23	1.72	4.01	0.52	2.99	0.41
REE 189 P	ıίρ	1110.6	159.53	6.86	97.99	11.45	50.02	7.39	16.95	2.23	12.76	1.59
REE 190 P	ılp	1395.8	196.09	7.98	123.31	14.12	61.03	8.71	20.43	2.61	14.88	1.90
REE 191 P	ılp	856.2	123.14	5.72	74.38	9.10	39.06	5.85	13.34	1.68	9.52	1.18
REE 192 P	ılp	918.7	130.96	6.24	77.98	9.03	38.00	5.52	12.48	1.55	8.82	1.08
REE 193 P	ılp	1707.6	245.99	11.89	153.50	18.30	83.46	12.52	29.83	3.79	21.67	2.64
REE 194 P	ılp	264.2	38.15	1.78	22.30	2.61	11.11	1.54	3.53	0.46	2.72	0.35
REE 195 P	ı p	88.7	21.88	2,49	25,04	4.73	31.44	7.36	23,48	3.53	23.13	3.38
REE 196 P	ılp	94.3	26,52	6,31	32.57	6.20	42.67	10.75	36,48	5.91	39.03	5.34
REE 197 P	ılp	77.1	20.87	3.00	24.35	4.71	31.80	7.32	22.98	3.57	24.27	3.70
REE 198 P	ılp	311.3	43.71	2.10	26.85	3.02	13.26	2.03	4.62	0.61	3.48	0.47
REE 199 P	ılp	370.7	52.18	2.47	31.14	3.47	14.78	2.05	4.64	0.60	3.40	0.44
REE 200 P	ılp	74.9	11.52	1.86	6.92	0.86	4.52	0.77	2.48	0.38	2.67	0.45



BUREAU MINERAL LABORATORIES
VERITAS Gangada

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

www.bureauveritas.com/um

Saul Ste, Marie Ortano Pon 4114

MacGregor, R.A.

Sault Ste. Marie Ontario P6A 4N4 Canada

Submitted By: Receiving Lab: R.A. MacGregor Canada-Vancouver

28 Ford St.

Received: Report Date: January 17, 2017

Page:

Client:

January 24, 2017 1 of 3

Control One of Annings

Bureau Veritas Commodities Canada Ltd.

CLIENT JOB INFORMATION

None Given

Shipment ID:

Project:

P.O. Number

Number of Samples:

39

SAMPLE DISPOSAL

PHONE (604) 253-3158

IMM-PLP

Return immediately after analysis

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

Involce To:

MacGregor, R.A.

28 Ford St.

Sault Ste. Marie Ontario P6A 4N4

Canada

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure	Number of	Code Description	Test	Report	Lab
Code	Samples		Wgt (g)	Status	
SLBHP	39	Sorting, labeling and boxing samples received as pulps			VAN
LF100	39	Refractory and REEs by fusion and ICP-MS analysis	0.2	Completed	VAN
DRPLP	39	Warehouse handling / disposition of pulps			VAN

ADDITIONAL COMMENTS

CC





EUREAU MINERAL LABORATORIES VERITAS Canada

www.bureauveritas.com/um

Client:

MacGregor, R.A. 28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project:

Report Date:

None Given January 24, 2017

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Page:

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Part: 1 of 2

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	Method	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100
	Analyte	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Źr	Y	La	Ce	Pr
	Unit	ppm	mqq	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm									
	MDL	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.6	0.1	0.2	0.1	8	0.5	0,1	0.1	0.1	0.1	0.02
REE 143	Rock Pulp	458	10	63.9	2.6	22.2	12.8	12.5	84.8	5	376.2	0.3	10.6	1.6	410	1.2	538.9	96.3	136.3	299.6	41,96
REE 144	Rock Pulp	253	7	12.4	4.8	28.0	7,2	218.5	588.9	13	21.2	32.5	28.4	10.2	28	14.9	177.8	29.5	32.6	63.9	6.19
REE 145	Rock Pulp	634	2	3.9	1.0	13.8	5.2	34.5	176.3	2	18.7	4,0	442.8	75.9	14	0.6	194.1	51.7	428.2	759.1	84.56
REE 148	Rock Pulp	557	2	4.8	0.6	11.8	6.4	67.1	159.0		18,4	9.1	686.0	137.3	16	0.9	223.5	71.0	709.6	1323.1	138.54
REE 147	Rock Pulp	529	3	5.9	1.0	13.2	8.2	73.4	160.4	4	18.8	8.1	750.1	168.5	19	1.0	303.0	86.4	711.7	1343.5	140.17
REE 148	Rock Pulp	886	2	9.4	8.0	13.4	4.5	41.0	229.4	3	23.2	4.7	458.0	90.8	17	1.7	162.9	56.1	518.2	976.6	101.44
REE 149	Rock Pulp	369	2	6.5	8,0	12.4	5,1	39.7	112.7	2	54.0	4.8	644.0	112.6	26	0.9	192.1	60.7	629.0	1198.6	127.20
REE 150	Rock Pulp	935	1	4.0	0.9	14.8	4.8	39.1	217.5	2	21.7	4.4	384.1	42.2	15	2.0	170.9	46.5	442.8	768.2	84.19
REE 151	Rock Pulp	884	1	3.9	0.5	11.0	3.6	27.5	192.2	1	21.4	3.2	338.0	50.3	11	1.1	130.4	37.3	351.9	613.3	70.19
REE 152	Rock Pulp	779	2	12.1	0.7	12.9	5.3	69.3	187.3	2	25.0	8.8	1151.8	231.7	19	2.3	194.4	115.9	1245.1	2234.3	234.44
REE 153	Rock Pulp	801	2	6.3	8.0	15.8	7.6	62.5	210.8	3	18.8	7.4	360.5	58,6	18	2.4	274.4	60.7	447.7	749.1	84.18
REE 154	Rock Pulp	828	1	7,5	0.7	11.7	7.3	69.2	196.8	3	20.4	7.4	327.4	51.9	18	2.0	263.0	39.3	377.9	845.6	71.82
REE 155	Rock Pulp	639	1	15.3	0.7	14.1	5.4	50.4	191.7	3	18.5	6.1	654.7	323.3	20	1.0	185.6	93.2	613.3	1134.4	121.33
REE 156	Rock Pulp	392	3	16.3	0.8	11.2	5.2	67.1	148.0	3	16.2	8.5	1305.7	377.3	14	1.5	185.7	137.2	1374,6	2438.2	258.13
REE 157	Rock Pulp	491	2	11.5	0.5	10.3	9.1	111.4	148.5	3	22.4	13.5	1725.2	374.8	20	1.6	326.4	153.2	1789.3	3123.9	327.50
REE 158	Rock Pulp	852	2	12.4	0.7	11.8	6,2	58.2	191.5	2	22.7	7.3	995.5	144.1	13	2.8	209.1	91.4	1029.8	1847.9	192.18
REE 159	Rock Pulp	945	1	5.0	0.9	15.9	8.2	59.2	226.5	4	22.4	7.0	754.4	104.8	16	2.3	294.4	74.9	751.3	1434.3	151.68
REE 160	Rock Pulp	655	2	24.9	0.7	10.2	5,5	73.2	169.8	3	25.6	10,4	1314.2	1052.7	15	2.0	197.6	169.0	1226.9	2165.6	229,62
REE 161	Rock Pulp	438	3	16.0	8.0	12.4	5,1	70.8	179.8	3	19.7	9.1	1448.4	316.0	15	1.2	182.9	136.6	1537.2	2715.1	284.33
REE 162	Rock Pulp	595	1	5.5	0,6	11.8	7.1	87.5	188.3	3	21.4	7.9	749.0	148.9	16	0.6	256.4	71.0	724.2	1376.6	146.26
REE 163	Rock Pulp	826	1	5.3	0.8	11.7	6.5	60,1	206.2	3	22.5	6.5	287.1	47.1	14	1.2	238.5	49.8	347.8	605,7	66,34
REE 164	Rock Pulp	458	2	15.5	0.7	12.6	5,9	60.6	174.8	3	17.4	7.6	834.5	276.3	14	1.1	202.4	87.7	799.3	1517.9	160.70
REE 165	Rock Pulp	911	2	15.8	1.3	15.1	6.8	40.6	227.6	2	24.5	5.2	511.6	114.1	36	1.6	245.7	60.7	556.7	1028.6	109.42
REE 166	Rock Pulp	399	1	8.3	8.0	12.1	3.9	29.2	160.5	2	16.4	3.4	258,6	46.2	13	1.0	129.5	28.4	277.3	501,3	54,13
REE 167	Rock Pulp	603	2	10.1	0.6	10,5	5.1	48.9	179.6	2	22.6	6.1	928,0	199.5	13	0.9	178.2	77.7	878.4	1579.9	167.85
REE 168	Rock Pulp	704	2	23.8	0.6	11.3	6.7	111.7	177.7	б	23.5	15.7	1239.6	243.1	18	1.9	233.5	124.6	1490.7	2646.0	271,88
REE 169	Rock Pulp	389	<1	14.7	0.5	5.3	2.6	25.6	87.7	1	19.9	3.0	283.5	41.0	<8	<0.5	96.1	22.9	355.7	619.4	68.54
REE 170	Rock Pulp	563	4	16.6	4.1	17.8	7.6	26.1	182,4	3	24.3	3.1	304.6	108.0	53	1.1	265.3	39.8	327.8	598,3	66.20
REE 171	Rock Pulp	631	<1	4.8	0.7	10.1	3.6	21.7	182.6	1	21.1	2.5	203.8	53.6	10	<0.5	122.4	21.8	219.0	380.5	40.39
REE 172	Rock Pulp	823	<1	11.3	0.6	5.2	4.8	36.7	184.1	1	24.0	4.2	382.7	78.3	13	1.1	171.8	38.2	373.1	659.3	71.18



BUREAU MINERAL LABORATORIES
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MacGregor, R.A.

28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project:

Client:

None Given

Report Date:

January 24, 2017

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Page:

2 of 3

				este su d								
	Method	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100
	Analyte	Nd	Sm	Eu	Gd	Тb	Dy	Но	Er	Tm	Υb	Lu
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MOL	0.3	0.05	0.02	0.06	0.01	0.05	0.02	0.03	0.01	0.05	0.01
REE 143	Rock Pulp	174.3	34.78	8.75	29.84	3.66	18.63	3.14	8.33	1.15	6.95	0.94
REE 144	Rock Pulp	19.4	3.30	0.45	3.34	0.65	4.21	0,95	3.24	0.58	4.35	0.71
REE 145	Rock Pulp	266.0	37.38	1.56	24.72	2.79	12.15	1.83	4.44	0.56	3.30	0.44
REE 148	Rock Pulp	437.6	61.17	2.34	40.32	4.48	18.50	2.69	6.26	0.82	4.58	0.61
REE 147	Rock Pulp	446.8	63.22	2.63	42.61	4.85	21.16	3.14	7.62	1.01	5.75	0.76
REE 148	Rock Pulp	327.1	46,74	2.12	31.07	3.43	14.63	2.10	4.97	0.66	3.69	0.47
REE 149	Rock Pulp	413.7	57.02	2.51	37.94	3.90	16.43	2.29	5.38	0.67	3.87	0.50
REE 150	Rock Pulp	269.7	37.34	1.57	24.13	2.62	11.00	1.62	3.72	0.50	2.85	0.38
REE 151	Rock Pulp	222.2	31.11	1.32	20.20	2.21	9,50	1.40	3.44	0.41	2.42	0.31
REE 152	Rock Pulp	749.4	106.63	4.25	70.27	7.57	31,60	4.46	10.25	1.29	7.24	0.92
REE 153	Rock Pulp	268.1	38.27	1,56	25.40	2.93	12.89	2.08	5.28	0.69	4.02	0.56
REE 154	Rock Pulp	226.2	31.53	1.37	20.29	2,30	9,56	1.43	3.41	0.44	2.78	0.41
REE 155	Rock Pulp	389.9	57.63	2.44	39.95	4.83	22.75	3,56	8.69	1.11	6.22	0.81
REE 158	Rock Pulp	833.4	120,18	4.52	80.85	8.78	38.88	5.33	12.42	1.51	8.51	1.06
REE 157	Rock Pulp	1050.6	149.47	5.45	96.73	10.51	43,00	5.94	13.50	1.72	9.77	1.24
REE 158	Rock Pulp	606.8	85.17	3.77	54.72	5.74	23,64	3.33	7.79	1.00	5.57	0.72
REE 158	Rock Pulp	471.1	68.43	2.89	43.75	4.76	19.91	2.87	6.50	0.84	4.77	0.66
REE 160	Rock Pulp	748.4	110.29	5.59	76,17	9.86	47.28	7.27	18.09	2.40	13.48	1,66
REE 161	Rock Pulp	908.3	130.75	6.08	88.21	9.25	38.14	5,17	11.66	1.42	7.97	0.96
REE 162	Rock Pulp	465.5	64.99	2.48	41.07	4,50	19.20	2.78	6.41	0.84	5.01	0,67
REE 163	Rock Pulp	211.3	28.62	1.38	19.42	2.21	10.11	1.65	4.27	0.59	3.62	0.55
REE 164	Rock Pulp	518.7	74.51	3.31	48.95	5.42	22.63	3.43	8.23	1.06	6.01	0.79
REE 165	Rock Pulp	348.2	48.37	2.82	31,56	3,46	14.78	2.17	5.27	0.69	4.04	0.56
REE 166	Rock Pulp	173.6	24.68	1.39	16.21	1.77	7.51	1.11	2.65	0.34	2.05	0.27
REE 167	Rock Pulp	537.3	76.78	3.11	50.07	5.34	21,82	2.94	6.57	0.62	4.71	0.61
REE 168	Rock Pulp	864.8	123.83	5.80	80.08	8.34	34.83	4.74	10.64	1.40	8.22	1.06
REE 169	Rock Pulp	218.0	30.60	2.08	18,35	1.83	6.98	0.89	1.97	0.24	1.37	0,19
REE 170	Rock Pulp	212.2	30.06	2.12	19.69	2.22	9.91	1.45	3.81	0.62	3.07	0.42
REE 171	Rock Pulp	125.6	17.30	0.83	11.25	1.22	5.23	0.82	2.02	0.26	1.54	0.22
REE 172	Rock Pulp	228.3	31.97	1.63	20.62	2.24	9.62	1.41	3,30	0.44	2.51	0.35



BUREAU MINERAL LABORATORIES
VERITAS Cuncido

www.bureauveritas.com/um

Client:

Report Date:

MacGregor, R.A. 28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project:

None Given January 24, 2017

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Page:

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	Method	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100
	Analyte	Ba	Be	Co	Ca	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	w	Zr	Υ	La	Ce	Pr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.6	0.1	0.2	0.1	8	0.6	0.1	0.1	0.1	0.1	0.02
REE 173	Rock Pulp	587	2	9.2	0.5	9.3	6.8	63.0	168.9	2	23.0	7.8	1011.6	196,1	14	1.1	233.9	91.9	986.7	1780,6	184.63
REE 174	Rock Pulp	572	_ 2	3.9	0.7	9.1	5.1	43.1	170.5	2	19.2	5.3	423.0	108.2	21	0.7	177.6	52.8	460.4	824.4	91.61
REE 175	Rock Pulp	626	2	2.4	8.0	13.1	8.1	55,7	207.4	3	19.0	6.6	324.6	62.3	16	0.5	283.7	37.5	334.9	589.5	63.82
REE 178	Rock Pulp	517	<1	1.5	0.7	8.7	3.9	26.5	161,8	2	15,3	3.0	131.8	22.7	11	0.5	137.7	15.7	173.8	301.2	31.28
REE 177	Rock Pulp	381	2	7.2	0,6	10.5	7.6	96.6	155.7	3	13.5	11.4	727.4	144.7	29	1.1	259.7	75.5	741.9	1419.9	148.40
REE 178	Rock Pulp	886	<1	7.8	8.0	11.4	5.9	51.9	210.4	2	25,9	5.7	466.3	73.7	17	1.3	210.3	55.7	520.9	947.0	102.22
REE 179	Rock Pulp	885	2	13.9	0.8	18.3	6.0	56.9	206.8	3	27.3	6.4	435.6	84.5	22	1.9	222.9	62.8	558,5		
REE 180	Rock Pulp	910	2	12.3	0.7	11.8	4.2	26.5	198.2	2	29.9	3,1	171.9	34.0	13	1.5	139.8	34.9	260.9	475.5	
REE 181	Rock Pulp	638	1	2.6	9.0	13.1	7.4	50.5	186.9	2	17.6	5.8	235.3	37.5	14	0.8	248.2	37.8	286.0	491.8	



BUREAU MINERAL LABORATORIES
VERITAS Controls

www.bureauveritas.com/um

Client:

MacGregor, R.A. 28 Ford St.

Sault Ste. Marie Ontario P6A 4N4 Canada

Project:

None Given

Report Date:

January 24, 2017

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Page:

3 of 3

	Method	LF100	LF100									
	Analyte Unit		Sm	Eu	Gd	Tb	Dy	Но	Er	Tm	Yb	Lu
			ppm	ppm								
	MOL	0.3	0.06	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01
REE 173	Rock Pulp	586.0	82.93	3.26	52.51	5,74	24,21	3,46	8.26	1.03	5.88	0.77
REE 174	Rock Pulp	286.8	40.47	1.55	25,49	2.93	12.97	1.94	4.61	0.61	3.62	0.48
REE 175	Rock Pulp	198.3	27.44	1.14	18.31	1.98	8.80	1.39	3.38	0.46	2.97	D.43
REE 178	Rock Pulp	97.8	12.58	0.58	7.96	0.86	3.67	0.54	1.38	0.19	1.17	0.18
REE 177	Rock Pulp	473.4	67.79	2.58	42.69	4.61	20.06	2.92	8,99	0.90	6.2 5	0.71
REE 178	Rock Pulp	315.4	45.91	2.12	29.41	3.04	12.88	1.96	4.58	0.56	3.23	0.46
REE 179	Rock Pulp	338.3	48.85	2.50	26.56	3.22	13.46	2.08	4.99	0.65	3.93	0.52
REE 180	Rock Pulp	157.7	22,10	1.21	11.71	1.46	6.55	1.11	2.66	0.38	2.31	0.30
REE 181	Rock Pulp	186.2	23.68	1.08	12.77	1,71	7.75	1.38	3.26	0.44	2.76	0.42



Swastika Laboratories Ltd

Assaying - Consulting - Representation

Page 1 of 1

Assay Certificate

Certificate Number: 16-1363

Company:

Robert MacGregor

Project:

Report Date:

12-Oct-16

Attn:

Robert MacGregor

We hereby certify the following Assay of 2 rejects samples submitted 29-Sep-16 by Robert MacGregor

	Au
Sample	FA-MP
Number	ppb
175437	10
175418	10

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



Swastika Laboratories Ltd

Assaying - Consulting - Representation

Page 2 of 3

Assay Certificate

Certificate Number: 16-1361

Company:

Robert MacGregor

Project:

Report Date:

12-Oct-16

Attn:

Robert MacGregor

We hereby certify the following Assay of 49 rejects samples submitted 29-Sep-16 by Robert MacGregor

Sample Number	Au FA-MP ppb	Au Chk FA-MP ppb	
175208	10		
175209	10		
175219	10		
175222	10		
Blank Value	< 2		
Ожн97	1290		
175223	10		
175228	10	10	
175283 ~	< 2		
175303 -	10		
175331	10		
175337	1		
175339 ~	10		
175381 -	10		
175384	20		
175385	10		
175393	10		
175394	< 2	< 2	
175396	10		
175411	10		
175414	10	- 	
175415 ~	< 2		
175417	10		
175419	< 2		
175426 -	< 2		

1. listed not received

Certified by

Denis Chartre

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



Swastika Laboratories Ltd

Assaying - Consulting - Representation

Page 3 of 3

Assay Certificate

Certificate Number: 16-1361

Company:

Robert MacGregor

Project

Report Date:

12-Oct-16

Attn:

Robert MacGregor

We hereby certify the following Assay of 49 rejects samples submitted 29-Sep-16 by Robert MacGregor

Sample Number	Au FA-MP ppb	Au Chk FA-MP ppb	
175433 \	< 2		
Blank Value	< 2		
OxR97	1250		
176602 -	20		
176645 -	10	20	

1. ilsted not received

Certified by

Denis Chartre

chto

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

Withheld for client confidentiality.

Appendix III

Cost Receipts

Costs

Reject sample	e recovery	98 samples (@\$50/sample	4900		
			Over 2 years		2450	
		36 samples (@ \$50/sample		1800	4250
Sample prep		98 samples	@ \$8/sample	784		
			Over 2 years		392	
		36 samples	@ \$8/sample		288	680
Shipping		Oct. 09/18	4 hs @ \$50/hr		200	
			Purolater		58.20	
		June 12/19	2 hr @ \$50/hr		100	
			Purolater		55.01	
		Jan. 13/20	Ont. Northland		23.85	
		Jan. 16/20	2 hr @ \$50/hr		100	
			Purolater		62.53	600
Anaysis	Au	14 samples	@ 22.50/sample	315		
			Over 2 years		157.50	
	REE	15 samples	@ 30.10/sample	451.5	0	
			Over 2 years		225.75	
	IAX	2 samples (@ 24.30/sample	48.6	50	
			Over 2 year		24.30	
	IMA	10 samples	@ 20.30/sample	203		
			Over 2 years		101.50	

Costs

Analysis	IMA	73 samples @ 20.30/sample	1,481.90	
	Α	2 samples @ 13.15/sample	26.30	
	WR	3 samples @ 39.57/sample	118.70	
	REE	20 samples @ 32.30/sample	646.00	
	IMA	36 samples @ 21.55/sample	775.80	
	Α	1 sample @ 15.00/sample	15.00	
	REE	43 samples @ 34.30/sample	1,479.90	5,311
Report				500
			Total	11,321