ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **LAC DES ILES MINES LTD. (NAP)**
556 TENTH AVE
THUNDER BAY ON P7B 2R2

Finalized Date: 29-JUL-2019
Account: MZI

CERTIFICATE TB19160567

Project: 18-101
P.O. No.: 182449
This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 30-JUN-2019.

The following have access to data associated with this certificate:

KAITLYN CHOVANCAK CLAIRE MCGUINNESS	SAM DAVIES DAVE PECK	DENIS DECHARTE LDIM WEBTRIEVE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
PUL-35	Pulv 250 g Split to 95%<106 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
PGM-ICP27	Ore grade Pt, Pd and Au by ICP	ICP-AES
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	
Ni-OG62	Ore Grade Ni - Four Acid	
PGM-ICP23	Pt, Pd, Au 30g FA ICP	ICP-AES
ME-ICP61	33 element four acid ICP-AES	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS TB19160567

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	PGM-ICP23 Au ppb 1	PGM-ICP23 Pd ppb 1	PGM-ICP23 Pt ppb 5	PGM-ICP27 Au ppb 10	PGM-ICP27 Pd ppb 10	PGM-ICP27 Pt ppb 10	ME-ICP61 Cu ppm 1	ME-ICP61 Ni ppm 1	ME-ICP61 Co ppm 1	ME-ICP61 Mg % 0.01	ME-ICP61 Ag ppm 0.5	Cu-OG62 Cu ppm 10	Ni-OG62 Ni ppm 10
A0146327		1.28	1	<1	<5				1	1	<1	13.50	<0.5		
A0146328		0.07	4720	2060	1300				88	86	63	0.27	0.8		
A0146329		2.29	3	169	21				147	372	61	6.69	<0.5		
A0146330		2.33	43	131	12				198	299	55	5.86	<0.5		
A0146331		2.30	3	135	16				169	326	51	5.59	<0.5		
A0146332		2.21	1	89	8				92	223	35	3.87	<0.5		
A0146333		2.45	3	128	12				123	326	51	5.85	<0.5		
A0146334		2.40	1	63	8				103	304	49	5.88	<0.5		
A0146335		2.26	8	114	14				550	550	56	5.08	<0.5		
A0146336		2.36	2	14	<5				223	398	59	7.05	<0.5		
A0146337		2.23	1	1	<5				162	382	64	7.59	<0.5		
A0146338		2.39	3	136	14				161	395	63	7.58	<0.5		
A0146339		2.25	2	59	7				203	410	63	7.46	<0.5		
A0146340		2.25	1	13	<5				142	350	60	6.90	<0.5		
A0146341		2.42	1	10	<5				261	419	62	7.23	<0.5		
A0146342		2.54	2	23	14				141	430	71	8.29	<0.5		
A0146343		2.65	20	438	49				149	487	77	8.23	<0.5		
A0146344		2.30	52	667	61				768	631	79	8.29	<0.5		
A0146345		2.36	12	429	85				245	443	68	7.68	<0.5		
A0146346		2.59	<1	8	<5				93	354	66	7.94	<0.5		
A0146347		0.07	90	615	294				4370	4200	111	3.85	2.1		
A0146348		2.48	6	73	9				125	348	62	7.24	<0.5		
A0146349		2.93	8	87	9				147	338	53	6.46	<0.5		
A0146350		2.59	275	>10000	212	270	10800	250	5640	486	91	6.00	1.8		
A0146351		2.69	19	217	27				921	420	70	8.12	<0.5		
A0146352		2.40	15	188	16				139	395	69	8.38	<0.5		
A0146353		2.46	11	54	<5				127	365	65	8.13	<0.5		
A0146354		2.59	13	132	16				145	388	66	7.79	<0.5		
A0146355		2.57	10	124	19				166	336	54	6.37	<0.5		
A0146356		2.58	6	12	<5				176	425	71	8.62	<0.5		
A0146357		3.98	9	8	<5				147	367	63	7.65	<0.5		
A0146358		3.37	5	151	<5				193	538	68	7.69	<0.5		
A0146359		3.05	5	66	8				151	377	63	7.87	<0.5		
A0146360		2.40	9	27	22				252	435	61	7.02	<0.5		
A0146361		2.55	12	17	<5				546	645	70	7.51	0.5		
A0146362		2.27	11	63	8				512	600	67	7.37	<0.5		
A0146363		2.33	15	48	7				448	554	66	7.10	<0.5		
A0146364		2.27	38	114	12				238	411	64	7.54	<0.5		
A0146365		2.60	31	194	27				318	422	69	8.13	<0.5		
A0146366		2.15	16	57	6				240	448	68	7.97	<0.5		

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CERTIFICATE OF ANALYSIS TB19160567

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	PGM-ICP23 Au ppb 1	PGM-ICP23 Pd ppb 1	PGM-ICP23 Pt ppb 5	PGM-ICP27 Au ppb 10	PGM-ICP27 Pd ppb 10	PGM-ICP27 Pt ppb 10	ME-ICP61 Cu ppm 1	ME-ICP61 Ni ppm 1	ME-ICP61 Co ppm 1	ME-ICP61 Mg % 0.01	ME-ICP61 Ag ppm 0.5	Cu-OG62 Cu ppm 10	Ni-OG62 Ni ppm 10
A0146367		1.78	<1	<1	<5				2	3	1	12.85	<0.5		
A0146368		2.32	20	8	<5				1000	898	75	7.19	0.6		
A0146369		2.16	40	12	<5				585	669	69	7.33	<0.5		
A0146370		2.15	56	31	10				1630	1550	101	8.87	0.9		
A0146371		2.25	29	35	8				1960	1700	95	7.60	0.8		
A0146372		2.21	63	22	15				3660	3020	133	7.57	1.6		
A0146373		2.15	<1	<1	<5				140	423	71	8.92	<0.5		
A0146374		2.33	4	4	<5				236	506	77	9.10	<0.5		
A0146375		2.19	3	10	<5				202	487	78	9.47	<0.5		
A0146376		2.32	39	980	272				419	529	81	9.22	<0.5		
A0146377		2.58	747	>10000	496	660	17900	430	2280	5340	212	8.34	0.7		
A0146378		2.22	4	9	<5				199	487	79	9.48	<0.5		
A0146379		2.31	21	153	18				257	530	78	9.29	<0.5		
A0146380		2.26	20	176	24				235	507	80	9.43	<0.5		
A0146381		2.34	23	252	20				265	512	79	9.18	0.9		
A0146382		2.38	13	57	7				208	495	77	9.09	<0.5		
A0146383		2.21	19	188	16				218	497	78	9.09	<0.5		
A0146384		2.28	8	6	<5				320	565	73	8.81	<0.5		
A0146385		2.23	31	438	29				293	511	75	8.66	<0.5		
A0146386		2.50	5	42	<5				167	463	76	9.28	<0.5		
A0146387		0.12	237	3360	776				>10000	>10000	942	3.86	3.8	16400	47000
A0146388		2.33	4	13	<5				244	546	79	9.40	<0.5		
A0146389		2.23	2	9	<5				194	481	75	8.97	<0.5		
A0146390		2.27	37	253	29				693	934	81	8.49	<0.5		
A0146391		2.25	16	13	<5				499	753	80	8.82	<0.5		
A0146392		2.50	11	17	17				464	686	75	8.40	<0.5		
A0146393		2.31	4	8	<5				207	478	72	8.60	<0.5		
A0146394		2.34	119	1740	174				908	1000	88	8.27	<0.5		
A0146395		2.43	42	22	9				2310	2240	118	9.22	0.9		
A0146396		2.26	68	29	12				3620	3320	137	9.19	1.5		
A0146397		2.25	22	23	7				1140	1210	93	8.94	<0.5		
A0146398		2.34	11	10	<5				600	793	82	9.17	<0.5		
A0146399		2.31	61	469	92				650	1090	98	8.95	0.5		
A0146400		2.26	6	39	9				212	463	65	7.89	<0.5		
A0146401		2.52	194	2460	240				1140	1160	101	9.22	0.6		
A0146402		2.22	241	3560	452				1910	1505	117	7.52	1.0		
A0146403		2.26	204	1240	130				636	717	76	7.38	<0.5		
A0146404		0.07	65	621	314				4590	4480	117	4.02	2.2		

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CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:	CRU-32	CRU-QC	LOG-21	LOG-23
	PUL-35	PUL-QC	SPL-21	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:	Cu-OG62	ME-ICP61	ME-OG62	Ni-OG62
	PGM-ICP23	PGM-ICP27		