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: 21-JUN-2019
Account: MZI

CERTIFICATE TB19139990

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 8-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
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 TB19139990

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	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
A0160461		1.47	1	1	<5	<1	<1	<1	13.55	<0.5		
A0160462		0.08	5140	2020	1260	83	84	61	0.25	0.9		
A0160463		2.24	3	124	19	76	265	65	5.27	<0.5		
A0160464		2.21	3	253	39	81	273	64	5.41	<0.5		
A0160465		2.36	2	119	15	74	268	65	5.13	<0.5		
A0160466		2.16	10	234	34	202	346	66	5.13	<0.5		
A0160467		2.22	21	133	27	396	477	73	5.61	<0.5		
A0160468		2.19	29	139	31	388	526	77	5.63	<0.5		
A0160469		2.12	26	113	18	563	625	79	5.09	<0.5		
A0160470		2.42	27	172	38	700	817	87	5.18	<0.5		
A0160471		2.39	35	272	55	777	837	88	5.00	<0.5		
A0160472		2.27	60	389	67	1330	1030	95	4.55	0.5		
A0160473		2.26	23	208	34	401	596	74	5.21	<0.5		
A0160474		2.37	6	266	30	100	286	63	4.96	<0.5		
A0160475		2.36	3	178	25	71	277	66	5.12	<0.5		
A0160476		2.31	5	143	25	117	364	76	6.06	<0.5		
A0160477		2.31	3	132	21	85	322	72	5.81	<0.5		
A0160478		2.22	2	155	20	48	275	62	5.31	<0.5		
A0160479		2.26	3	111	15	48	280	63	5.13	<0.5		
A0160480		2.16	3	180	47	45	264	62	5.09	<0.5		
A0160481		0.07	74	619	309	4430	4270	109	3.75	1.8		
A0160482		2.08	4	144	45	54	289	67	6.08	<0.5		
A0160483		2.19	3	365	78	36	287	63	5.46	<0.5		
A0160484		2.29	2	191	20	30	279	63	5.46	<0.5		
A0160485		2.15	3	196	15	38	287	65	5.72	<0.5		
A0160486		2.23	4	184	14	40	278	62	5.42	<0.5		
A0160487		2.49	5	441	53	38	281	61	5.12	<0.5		
A0160488		1.57	4	72	8	64	109	34	2.56	<0.5		
A0160489		1.41	5	43	6	100	117	46	2.73	<0.5		
A0160490		1.11	2	92	19	15	341	54	5.10	<0.5		
A0160491		2.18	13	158	35	338	449	84	7.69	<0.5		
A0160492		2.93	3	25	7	106	77	12	0.83	<0.5		
A0160493		2.65	5	33	6	145	80	10	0.49	<0.5		
A0160494		2.68	12	113	18	539	234	24	1.38	0.6		
A0160495		2.52	52	334	47	1985	826	59	0.59	2.2		
A0160496		2.57	20	321	43	313	302	32	1.61	<0.5		
A0160497		2.28	11	185	33	197	237	30	1.62	<0.5		
A0160498		2.61	7	65	13	233	101	26	2.16	<0.5		
A0160499		2.40	2	27	5	55	92	24	2.08	<0.5		
A0160500		2.56	2	105	8	61	99	26	2.27	<0.5		

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Project: 18-101

CERTIFICATE OF ANALYSIS TB19139990

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	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
A0160501		1.57	2	1	<5	<1	1	<1	13.15	<0.5		
A0160502		2.31	3	36	9	55	95	22	2.01	<0.5		
A0160503		2.42	3	33	9	72	113	22	1.93	<0.5		
A0160504		2.54	3	57	10	69	186	28	3.51	<0.5		
A0160505		2.41	2	34	<5	107	119	35	2.39	<0.5		
A0160506		2.56	2	47	8	80	249	31	2.46	<0.5		
A0160507		2.35	8	8	<5	426	360	98	3.95	<0.5		
A0160508		2.24	1	22	14	11	120	28	2.92	<0.5		
A0160509		2.20	<1	31	17	9	127	27	3.14	<0.5		
A0160510		2.29	1	29	9	7	138	29	3.37	<0.5		
A0160511		2.42	1	31	18	13	137	31	3.50	<0.5		
A0160512		2.02	3	29	7	25	144	30	3.39	<0.5		
A0160513		1.79	1	40	12	10	156	29	3.52	<0.5		
A0160514		1.66	3	39	8	78	161	28	3.45	<0.5		
A0160515		1.87	12	112	23	165	230	42	3.53	<0.5		
A0160516		1.54	5	110	30	66	102	26	1.73	<0.5		
A0160517		2.37	8	169	35	66	147	33	2.86	<0.5		
A0160518		2.37	4	134	33	22	219	41	4.43	<0.5		
A0160519		2.30	15	127	40	7	253	38	4.70	<0.5		
A0160520		2.69	6	30	8	17	139	28	3.57	<0.5		
A0160521		0.08	207	3480	785	>10000	>10000	990	4.05	4.2	16850	47500
A0160522		2.61	2	17	8	39	193	38	3.72	<0.5		
A0160523		2.12	62	1	<5	842	45	40	1.87	<0.5		
A0160524		1.77	23	5	<5	223	48	36	2.19	<0.5		
A0160525		1.75	52	46	11	96	255	52	6.03	<0.5		
A0160526		2.32	13	50	12	151	190	40	3.75	<0.5		
A0160527		2.42	6	61	13	63	119	26	2.29	<0.5		
A0160528		2.00	6	16	7	70	107	29	2.47	<0.5		
A0160529		1.87	1	6	<5	19	25	6	0.48	<0.5		
A0160530		1.65	1	16	6	22	106	29	3.09	<0.5		
A0160531		1.61	2	15	<5	22	124	31	3.36	<0.5		
A0160532		2.04	2	15	6	32	128	33	3.57	<0.5		
A0160533		2.11	4	15	<5	61	127	31	3.49	<0.5		
A0160534		2.17	10	16	7	143	127	32	3.44	<0.5		
A0160535		2.28	2	16	5	59	116	29	3.21	<0.5		
A0160536		2.07	2	15	5	41	134	32	3.60	<0.5		
A0160537		2.21	5	16	7	102	126	33	3.29	<0.5		
A0160538		0.07	76	592	308	4520	4350	111	3.87	1.9		

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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			