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: 1-AUG-2019
Account: MZI

CERTIFICATE TB19172653

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 15-JUL-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 TB19172653

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
A0153735		0.07	<1	<1	<5	23	9	5	0.55	<0.5		
A0153736		0.07	4590	2000	1330	87	86	62	0.26	0.8		
A0153737		2.15	1	23	<5	22	161	37	3.25	<0.5		
A0153738		2.41	2	34	<5	29	173	40	3.62	<0.5		
A0153739		2.08	2	40	<5	34	171	38	3.72	<0.5		
A0153740		2.25	<1	35	<5	11	170	34	3.29	<0.5		
A0153741		2.42	<1	25	5	16	152	36	2.95	<0.5		
A0153742		2.12	2	33	6	53	216	49	4.54	<0.5		
A0153743		2.38	18	135	33	379	441	63	4.45	<0.5		
A0153744		2.11	11	179	22	215	274	47	3.49	<0.5		
A0153745		2.56	16	150	25	318	269	45	2.97	<0.5		
A0153746		2.27	3	115	12	75	158	37	2.90	<0.5		
A0153747		2.10	18	231	31	316	273	47	3.08	<0.5		
A0153748		2.30	25	155	25	527	384	55	2.95	0.5		
A0153749		2.31	20	99	16	489	288	58	2.84	<0.5		
A0153750		2.39	57	225	48	1325	836	92	3.74	0.8		
A0153751		2.09	69	275	58	1470	1165	100	4.27	0.7		
A0153752		2.57	77	89	28	1550	1205	101	5.05	0.7		
A0153753		2.01	32	192	36	632	893	90	5.36	<0.5		
A0153754		2.58	37	141	31	1090	858	114	6.17	0.6		
A0153755		0.07	92	565	279	4600	4500	122	4.22	2.2		
A0153756		2.12	58	117	38	1660	1090	141	5.01	0.7		
A0153757		2.36	19	28	16	568	427	99	8.27	<0.5		
A0153758		2.51	30	63	15	806	643	114	7.06	0.7		
A0153759		2.35	40	162	34	1055	737	117	5.36	0.5		
A0153760		1.92	18	134	22	483	371	76	4.87	<0.5		
A0153761		2.36	19	154	30	602	482	99	5.56	<0.5		
A0153762		2.06	17	143	24	413	410	83	5.57	<0.5		
A0153763		2.74	19	142	25	489	495	88	5.48	<0.5		
A0153764		1.87	9	55	15	247	291	63	4.21	<0.5		
A0153765		2.24	14	105	23	423	375	82	4.93	<0.5		
A0153766		2.49	20	162	29	460	417	92	5.56	<0.5		
A0153767		2.23	17	60	12	642	380	83	3.72	<0.5		
A0153768		2.22	6	22	7	246	279	76	5.79	<0.5		
A0153769		2.54	6	14	5	252	275	112	7.84	<0.5		
A0153770		2.37	12	45	11	672	435	118	5.56	<0.5		
A0153771		2.28	19	41	11	695	446	125	5.61	<0.5		
A0153772		2.62	18	31	10	613	360	133	4.14	0.6		
A0153773		2.65	16	29	6	634	423	145	4.21	<0.5		
A0153774		2.59	20	36	10	740	470	136	4.58	0.6		

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Account: MZI

Project: 18-101

CERTIFICATE OF ANALYSIS TB19172653

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
A0153775		2.05	<1	<1	<5	5	3	1	13.50	<0.5		
A0153776		2.48	17	50	16	646	415	109	4.97	0.5		
A0153777		2.30	19	52	15	647	421	105	4.48	<0.5		
A0153778		2.58	19	56	11	763	550	123	3.89	<0.5		
A0153779		2.52	23	34	10	878	570	119	3.92	0.6		
A0153780		1.97	24	38	16	772	526	113	5.67	<0.5		
A0153781		2.75	30	52	18	878	512	93	4.48	<0.5		
A0153782		2.37	32	64	22	974	555	102	4.52	<0.5		
A0153783		2.24	39	83	31	1140	665	121	5.10	<0.5		
A0153784		2.51	41	87	35	1115	736	139	4.58	<0.5		
A0153785		2.62	27	67	24	825	601	113	4.45	<0.5		
A0153786		2.38	29	79	40	1150	738	122	4.89	<0.5		
A0153787		2.42	26	64	23	952	541	98	4.81	<0.5		
A0153788		2.34	44	57	20	1000	585	104	4.23	<0.5		
A0153789		2.38	33	66	19	985	630	104	3.98	0.6		
A0153790		2.43	9	21	6	469	338	105	5.42	<0.5		
A0153791		2.36	20	48	15	733	437	95	5.20	<0.5		
A0153792		2.22	31	99	22	1070	560	96	4.18	<0.5		
A0153793		2.26	22	78	17	685	391	78	4.49	<0.5		
A0153794		2.26	55	135	26	1370	552	108	3.74	0.5		
A0153795		0.08	304	3370	778	>10000	>10000	903	3.80	3.9	16100	45400
A0153796		2.31	16	33	9	577	323	78	4.17	<0.5		
A0153797		3.18	23	39	7	792	579	128	3.56	0.5		
A0153798		1.62	12	25	<5	429	307	77	2.48	<0.5		
A0153799		2.57	10	26	<5	472	294	52	1.42	<0.5		
A0153800		2.21	20	24	<5	517	355	45	0.90	<0.5		
A0153801		2.07	16	52	13	539	312	47	1.73	<0.5		
A0153802		2.31	20	81	18	479	291	60	3.04	<0.5		
A0153803		2.32	14	53	15	384	294	68	4.61	<0.5		
A0153804		1.45	11	29	5	365	233	45	1.75	<0.5		
A0153805		1.54	11	20	<5	333	207	41	1.52	<0.5		
A0153806		1.34	12	20	7	488	379	108	3.24	<0.5		
A0153807		2.85	5	7	<5	218	414	181	2.69	<0.5		
A0153808		2.64	5	12	<5	373	364	161	2.98	<0.5		
A0153809		2.50	6	11	<5	450	313	118	3.68	<0.5		
A0153810		2.45	5	9	<5	372	338	147	3.22	<0.5		
A0153811		2.42	15	36	9	715	488	138	3.77	<0.5		
A0153812		0.07	72	607	300	4350	4240	110	3.88	1.8		

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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			