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: 3-AUG-2019
Account: MZI

CERTIFICATE TB19172674

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 TB19172674

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
A0162567		1.35	<1	<1	<5	2	<1	<1	13.20	<0.5		
A0162568		0.07	5060	2000	1300	85	84	60	0.25	0.8		
A0162569		2.40	18	14	<5	36	319	58	5.45	<0.5		
A0162570		1.85	6	8	<5	50	249	57	4.65	<0.5		
A0162571		2.51	6	13	<5	43	280	52	4.95	<0.5		
A0162572		2.06	2	11	<5	31	303	55	5.22	<0.5		
A0162573		2.38	4	12	<5	37	284	53	5.14	<0.5		
A0162574		2.06	<1	8	<5	32	318	58	5.54	<0.5		
A0162575		2.53	<1	10	<5	47	305	53	5.30	<0.5		
A0162576		2.40	<1	1	<5	59	311	51	4.95	<0.5		
A0162577		2.10	<1	2	<5	39	283	51	4.49	<0.5		
A0162578		2.07	<1	29	15	89	311	48	3.56	<0.5		
A0162579		2.34	2	27	14	75	290	53	4.00	<0.5		
A0162580		2.32	1	21	8	112	352	55	3.45	<0.5		
A0162581		2.56	5	56	14	464	442	53	2.49	<0.5		
A0162582		1.98	<1	16	<5	74	217	36	2.32	<0.5		
A0162583		1.94	8	69	8	79	274	45	4.77	<0.5		
A0162584		2.74	13	154	16	69	258	44	4.39	<0.5		
A0162585		1.98	1	28	11	97	249	42	3.30	<0.5		
A0162586		2.50	3	12	<5	135	266	46	3.83	<0.5		
A0162587		0.07	55	623	312	4500	4400	111	3.91	2.5		
A0162588		2.49	4	10	<5	150	225	43	3.39	<0.5		
A0162589		2.33	4	7	<5	135	216	44	3.39	<0.5		
A0162590		2.12	2	4	<5	120	220	42	3.52	<0.5		
A0162591		2.25	3	5	<5	112	239	47	4.15	<0.5		
A0162592		2.47	2	5	<5	98	202	39	3.37	<0.5		
A0162593		2.40	1	15	8	83	226	40	3.32	<0.5		
A0162594		1.87	169	1620	131	880	1005	62	4.57	<0.5		
A0162595		1.63	101	1200	96	652	826	55	4.93	0.5		
A0162596		1.88	31	460	54	242	412	46	4.68	<0.5		
A0162597		2.59	38	311	43	250	328	46	4.42	<0.5		
A0162598		2.28	44	319	33	249	353	46	4.90	<0.5		
A0162599		2.47	9	31	11	104	251	41	4.61	<0.5		
A0162600		2.48	6	38	12	97	226	43	4.62	<0.5		
A0162601		2.72	28	155	25	238	321	45	4.79	<0.5		
A0162602		2.41	7	43	16	126	260	47	5.29	<0.5		
A0162603		2.51	10	20	11	153	280	47	5.33	<0.5		
A0162604		2.40	20	261	24	250	365	51	5.26	<0.5		
A0162605		2.15	25	373	41	235	362	50	5.02	<0.5		
A0162606		2.23	11	36	16	129	272	45	5.17	<0.5		

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Finalized Date: 3-AUG-2019
Account: MZI

Project: 18-101

CERTIFICATE OF ANALYSIS TB19172674

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
A0162607		1.77	1	<1	<5	1	1	<1	13.60	<0.5		
A0162608		2.32	16	112	48	167	283	44	4.90	<0.5		
A0162609		2.07	18	265	22	208	297	47	4.88	<0.5		
A0162610		1.62	9	31	5	226	292	51	5.11	<0.5		
A0162611		1.20	41	39	<5	523	310	24	1.21	<0.5		
A0162612		0.90	23	131	25	310	303	23	1.32	<0.5		
A0162613		1.96	18	73	10	280	99	12	0.89	<0.5		
A0162614		1.36	13	89	17	221	160	15	0.87	<0.5		
A0162615		1.10	29	24	<5	512	201	19	0.67	0.5		
A0162616		1.77	11	57	29	193	224	39	3.76	<0.5		
A0162617		2.14	32	152	40	331	362	54	5.17	<0.5		
A0162618		2.11	47	240	55	396	435	53	5.13	<0.5		
A0162619		2.19	105	622	120	815	728	56	4.60	0.7		
A0162620		2.03	165	982	120	1095	952	54	4.09	0.5		
A0162621		1.91	199	2300	244	1930	1380	74	4.41	0.9		
A0162622		2.10	40	157	38	399	416	49	4.74	<0.5		
A0162623		2.17	96	2420	226	1185	1385	65	4.06	0.7		
A0162624		1.98	16	377	52	151	378	41	4.24	<0.5		
A0162625		2.19	11	152	41	112	266	36	3.98	<0.5		
A0162626		2.09	11	163	45	127	284	33	3.80	<0.5		
A0162627		0.08	270	3310	775	>10000	>10000	938	3.92	4.0	15950	43100
A0162628		1.91	11	199	45	141	345	35	3.85	<0.5		
A0162629		1.99	7	155	49	67	281	31	3.82	<0.5		
A0162630		2.03	20	194	52	224	313	33	3.68	<0.5		
A0162631		2.17	28	353	67	339	547	47	4.21	<0.5		
A0162632		2.13	21	198	52	218	360	39	3.91	<0.5		
A0162633		2.06	9	141	46	92	240	35	3.85	<0.5		
A0162634		2.06	8	108	40	101	203	34	3.75	<0.5		
A0162635		2.09	5	120	42	85	216	36	3.78	<0.5		
A0162636		2.10	6	146	43	68	247	36	3.90	<0.5		
A0162637		2.17	9	152	46	116	241	36	3.78	<0.5		
A0162638		1.99	19	191	51	141	272	37	3.83	<0.5		
A0162639		2.13	14	172	50	159	278	36	4.05	<0.5		
A0162640		2.21	31	245	55	233	359	40	3.85	<0.5		
A0162641		2.13	17	179	53	174	307	39	4.06	<0.5		
A0162642		2.00	30	363	70	432	465	45	3.94	0.5		
A0162643		2.05	254	1800	277	1560	1705	75	5.75	1.0		
A0162644		0.07	72	609	306	4400	4350	111	3.85	2.0		

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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			