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 TB19172648

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 TB19172648

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
A0153267		1.12	<1	<1	<5	8	23	1	13.90	<0.5		
A0153268		0.07	4900	2020	1300	88	88	63	0.28	0.7		
A0153269		2.27	1	14	6	91	124	39	3.19	<0.5		
A0153270		2.33	<1	16	<5	42	122	37	3.34	<0.5		
A0153271		2.43	<1	16	6	54	119	36	3.41	<0.5		
A0153272		1.91	2	15	<5	69	120	38	3.48	<0.5		
A0153273		3.20	4	32	8	139	152	43	3.72	<0.5		
A0153274		1.15	5	16	5	141	116	32	2.54	<0.5		
A0153275		2.76	1	16	6	115	142	39	3.45	<0.5		
A0153276		2.57	1	18	6	73	129	40	3.83	<0.5		
A0153277		1.98	42	50	8	81	247	85	8.08	<0.5		
A0153278		2.33	16	14	<5	48	156	49	4.97	<0.5		
A0153279		2.78	1	14	5	57	126	36	3.48	<0.5		
A0153280		2.32	<1	15	6	39	125	35	3.32	<0.5		
A0153281		2.55	<1	14	<5	41	129	35	3.40	<0.5		
A0153282		2.20	1	11	<5	45	108	29	2.64	<0.5		
A0153283		2.97	2	14	<5	83	133	35	3.26	<0.5		
A0153284		1.75	4	29	5	114	134	32	3.17	<0.5		
A0153285		1.99	1	26	7	59	136	35	3.30	<0.5		
A0153286		2.66	3	15	<5	77	128	33	3.11	<0.5		
A0153287		0.07	99	599	283	4670	4520	118	4.15	1.8		
A0153288		2.26	3	158	22	70	184	39	3.86	<0.5		
A0153289		2.17	17	235	46	293	324	70	6.73	<0.5		
A0153290		2.18	29	588	58	308	308	63	5.29	0.6		
A0153291		2.44	2	16	5	56	157	39	3.93	<0.5		
A0153292		2.18	2	35	8	52	157	38	3.84	<0.5		
A0153293		2.48	5	179	21	141	225	51	4.58	<0.5		
A0153294		2.09	6	26	7	127	262	69	6.74	<0.5		
A0153295		2.73	10	27	7	164	324	90	8.85	<0.5		
A0153296		2.92	7	23	6	79	233	65	6.21	<0.5		
A0153297		2.05	2	15	5	39	142	36	3.39	<0.5		
A0153298		2.62	<1	32	<5	13	74	19	1.67	<0.5		
A0153299		2.40	<1	12	<5	21	100	30	2.69	<0.5		
A0153300		1.97	5	22	5	83	159	48	4.48	<0.5		
A0153301		2.71	2	16	<5	42	120	39	3.52	<0.5		
A0153302		2.49	<1	11	<5	77	121	42	3.72	<0.5		
A0153303		2.58	1	10	<5	93	128	46	4.34	<0.5		
A0153304		2.55	1	16	<5	98	169	61	5.83	<0.5		
A0153305		2.23	<1	12	<5	51	106	39	3.60	<0.5		
A0153306		1.83	<1	7	<5	60	75	29	2.48	<0.5		

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Finalized Date: 1-AUG-2019
Account: MZI

Project: 18-101

CERTIFICATE OF ANALYSIS TB19172648

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
A0153307		1.61	<1	<1	<5	1	1	1	13.45	<0.5		
A0153308		1.86	107	962	172	961	698	74	5.00	0.5		
A0153309		1.57	200	1240	216	1185	929	91	7.10	0.5		
A0153310		1.56	61	579	101	708	545	66	5.19	0.5		
A0153311		2.22	10	64	12	101	216	46	4.66	<0.5		
A0153312		2.27	140	292	59	2410	1150	87	5.74	1.4		
A0153313		2.18	749	1130	389	1065	629	66	4.89	0.8		
A0153314		2.24	77	378	121	1215	621	87	6.06	0.6		
A0153315		2.20	43	420	117	397	425	59	4.86	<0.5		
A0153316		2.17	85	204	68	586	347	60	4.92	0.5		
A0153317		2.22	12	213	29	141	321	59	5.40	<0.5		
A0153318		2.08	<1	124	6	14	176	38	3.08	<0.5		
A0153319		2.31	<1	88	5	9	153	33	2.60	<0.5		
A0153320		2.14	<1	131	5	12	160	34	2.86	<0.5		
A0153321		2.32	1	160	7	14	164	37	3.10	<0.5		
A0153322		2.26	1	76	<5	20	194	44	3.74	<0.5		
A0153323		2.45	1	98	<5	24	174	41	3.37	<0.5		
A0153324		2.32	1	136	<5	15	182	43	3.57	<0.5		
A0153325		2.14	1	172	58	15	206	50	4.14	<0.5		
A0153326		2.36	<1	35	6	19	229	56	4.86	<0.5		
A0153327		0.12	308	3450	807	>10000	>10000	970	4.05	4.3	15350	43500
A0153328		2.09	<1	34	6	26	228	47	4.11	<0.5		
A0153329		2.23	7	53	7	11	225	53	4.56	<0.5		
A0153330		2.29	<1	43	5	10	210	50	4.48	<0.5		
A0153331		2.20	1	93	24	15	161	42	3.55	<0.5		
A0153332		2.30	3	85	20	16	129	34	2.87	<0.5		
A0153333		2.15	2	102	10	22	150	40	3.36	<0.5		
A0153334		2.23	<1	92	5	10	140	36	2.93	<0.5		
A0153335		2.22	2	99	5	17	128	32	2.40	<0.5		
A0153336		2.25	5	122	<5	18	143	33	2.81	<0.5		
A0153337		2.36	2	117	6	26	155	37	2.92	<0.5		
A0153338		2.16	2	83	7	15	172	42	3.34	<0.5		
A0153339		2.23	3	110	47	33	173	39	3.18	<0.5		
A0153340		2.22	21	167	72	38	204	43	3.38	<0.5		
A0153341		2.47	3	177	43	21	211	47	3.86	<0.5		
A0153342		2.26	14	115	70	45	342	70	6.21	<0.5		
A0153343		2.23	13	78	24	48	264	53	4.67	<0.5		
A0153344		0.07	105	610	302	4540	4320	114	4.06	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			