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: 5-AUG-2019
Account: MZI

CERTIFICATE TB19172659

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 TB19172659

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
A0146249		1.61	<1	6	<5	2	<1	<1	13.35	<0.5		
A0146250		0.07	4720	2010	1280	88	83	63	0.26	0.5		
A0146251		1.66	10	72	8	151	354	61	6.89	<0.5		
A0146252		2.32	6	17	<5	49	212	36	4.84	<0.5		
A0146253		2.43	6	79	8	169	236	46	5.55	<0.5		
A0146254		2.34	3	107	10	361	333	62	5.26	<0.5		
A0146255		2.25	2	119	15	199	235	43	4.62	<0.5		
A0146256		2.25	9	34	6	392	360	59	4.65	<0.5		
A0146257		2.13	5	63	7	223	309	50	4.13	<0.5		
A0146258		2.30	6	20	<5	284	265	51	4.20	<0.5		
A0146259		2.19	5	39	<5	87	202	44	5.17	<0.5		
A0146260		2.36	<1	<1	<5	95	144	41	3.92	<0.5		
A0146261		2.04	5	25	9	156	184	42	3.47	<0.5		
A0146262		2.44	3	8	<5	160	196	46	4.02	<0.5		
A0146263		2.42	5	69	10	236	206	42	3.53	<0.5		
A0146264		2.68	1	8	<5	165	167	33	3.07	<0.5		
A0146265		2.20	1	<1	<5	351	322	63	5.33	<0.5		
A0146266		2.34	<1	25	<5	138	281	51	5.80	<0.5		
A0146267		2.49	<1	4	<5	233	348	47	5.49	<0.5		
A0146268		2.39	3	303	33	357	367	57	3.46	<0.5		
A0146269		0.07	80	594	307	4540	4390	114	3.96	2.2		
A0146270		2.32	6	79	12	306	312	43	4.08	<0.5		
A0146271		2.27	4	2	<5	340	327	48	5.01	<0.5		
A0146272		2.67	<1	4	<5	282	315	53	5.68	<0.5		
A0146273		2.33	1	15	<5	277	337	50	5.24	<0.5		
A0146274		2.29	3	156	13	339	338	60	5.20	<0.5		
A0146275		2.37	5	234	26	592	335	60	5.40	<0.5		
A0146276		2.13	1	143	12	256	312	54	6.09	<0.5		
A0146277		2.83	6	9	<5	109	271	44	5.08	<0.5		
A0146278		2.38	1	66	7	194	295	51	5.59	<0.5		
A0146279		2.46	1	105	5	196	276	52	5.02	<0.5		
A0146280		2.58	<1	13	<5	121	210	44	4.84	<0.5		
A0146281		2.53	5	291	40	347	365	61	5.37	<0.5		
A0146282		2.51	3	159	16	187	230	44	4.50	0.5		
A0146283		2.36	<1	21	<5	121	233	46	4.79	<0.5		
A0146284		2.40	<1	44	5	162	277	50	5.24	<0.5		
A0146285		2.31	4	200	20	207	289	49	5.19	<0.5		
A0146286		2.35	4	126	10	166	226	48	5.17	<0.5		
A0146287		2.34	<1	19	<5	76	158	40	4.42	<0.5		
A0146288		2.26	<1	13	<5	107	164	47	5.66	<0.5		

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Finalized Date: 5-AUG-2019
Account: MZI

Project: 18-101

CERTIFICATE OF ANALYSIS TB19172659

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
A0146289		1.69	<1	<1	<5	1	<1	<1	12.85	<0.5		
A0146290		2.24	<1	21	<5	153	161	45	5.54	<0.5		
A0146291		2.28	2	199	36	181	177	50	5.22	<0.5		
A0146292		2.16	3	57	5	115	171	47	4.45	<0.5		
A0146293		2.22	<1	98	10	188	211	52	5.09	<0.5		
A0146294		2.19	<1	55	<5	146	181	46	5.31	<0.5		
A0146295		2.13	2	40	5	136	160	47	5.23	<0.5		
A0146296		2.24	8	35	<5	207	212	50	5.06	<0.5		
A0146297		2.18	4	123	13	205	232	50	5.21	<0.5		
A0146298		2.27	<1	<1	<5	106	129	40	4.56	<0.5		
A0146299		2.17	2	30	<5	197	258	46	4.95	<0.5		
A0146300		2.35	<1	55	<5	29	201	45	5.38	<0.5		
A0146301		2.24	<1	144	11	217	255	46	5.51	<0.5		
A0146302		2.21	<1	<1	<5	187	248	43	5.29	<0.5		
A0146303		2.21	3	66	6	438	452	50	5.08	<0.5		
A0146304		2.14	3	12	<5	344	406	52	5.59	<0.5		
A0146305		2.24	5	177	12	307	375	50	5.39	<0.5		
A0146306		2.21	7	180	66	497	491	50	4.75	<0.5		
A0146307		2.27	14	421	49	573	537	55	4.53	<0.5		
A0146308		2.26	2	77	6	257	364	44	4.52	<0.5		
A0146309		0.12	235	3450	802	>10000	>10000	981	3.98	4.1	16300	46600
A0146310		2.32	2	<1	<5	290	408	50	4.93	<0.5		
A0146311		2.17	1	<1	<5	291	386	40	3.87	<0.5		
A0146312		2.21	7	22	<5	243	373	44	4.84	<0.5		
A0146313		2.44	14	667	45	283	379	54	5.47	<0.5		
A0146314		2.27	11	276	27	246	385	55	5.50	<0.5		
A0146315		2.38	<1	237	34	36	197	33	2.97	<0.5		
A0146316		2.17	<1	113	6	91	307	47	5.28	<0.5		
A0146317		2.26	<1	4	<5	31	253	40	4.34	0.6		
A0146318		2.18	3	236	23	302	328	48	5.23	0.5		
A0146319		2.23	1	114	9	156	266	42	4.88	<0.5		
A0146320		2.21	13	2	<5	100	259	36	4.47	<0.5		
A0146321		2.19	4	2	<5	108	315	41	5.40	<0.5		
A0146322		2.19	<1	7	<5	264	453	56	5.80	<0.5		
A0146323		2.18	2	263	30	146	350	49	5.28	0.5		
A0146324		2.21	2	316	31	178	325	48	4.97	0.5		
A0146325		2.10	5	168	19	157	297	44	4.93	<0.5		
A0146326		0.07	113	601	307	4390	4200	109	3.71	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			