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: 28-JUN-2019
Account: MZI

CERTIFICATE TB19144662

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 14-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 TB19144662

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
A0161085		1.41	1	1	<5	1	1	<1	12.70	<0.5		
A0161086		0.07	5020	2040	1300	88	84	64	0.25	0.6		
A0161087		2.49	2	53	<5	26	281	60	4.48	<0.5		
A0161088		2.76	1	56	<5	30	311	66	4.97	<0.5		
A0161089		2.40	1	147	12	29	267	56	4.36	<0.5		
A0161090		2.75	2	66	<5	33	272	58	4.37	<0.5		
A0161091		2.45	1	65	<5	28	277	59	4.56	<0.5		
A0161092		2.57	1	55	<5	22	272	55	4.31	<0.5		
A0161093		2.63	1	51	<5	29	258	53	4.15	<0.5		
A0161094		2.60	1	62	<5	27	272	56	4.38	<0.5		
A0161095		2.62	1	55	<5	22	229	51	3.88	<0.5		
A0161096		2.47	1	51	<5	25	164	42	2.95	<0.5		
A0161097		2.70	2	57	<5	21	151	38	2.74	<0.5		
A0161098		2.58	<1	24	<5	40	151	37	2.69	<0.5		
A0161099		2.68	2	53	<5	16	161	47	2.98	<0.5		
A0161100		2.59	1	55	<5	24	147	41	2.73	<0.5		
A0161101		2.64	1	50	<5	27	148	33	2.80	<0.5		
A0161102		2.58	2	48	<5	41	155	67	2.80	<0.5		
A0161103		2.95	2	46	<5	24	149	39	2.81	<0.5		
A0161104		2.56	2	46	<5	23	154	39	2.85	<0.5		
A0161105		0.07	81	631	333	4460	4260	112	3.88	1.7		
A0161106		2.58	1	40	<5	24	153	38	2.76	<0.5		
A0161107		2.46	1	36	<5	23	143	36	2.56	<0.5		
A0161108		2.34	1	37	<5	22	161	42	2.98	<0.5		
A0161109		2.60	1	35	<5	20	178	43	3.19	<0.5		
A0161110		2.07	3	36	<5	26	165	41	2.96	<0.5		
A0161111		2.44	1	28	<5	17	166	40	2.93	<0.5		
A0161112		2.48	1	36	<5	20	152	35	2.59	<0.5		
A0161113		2.49	3	37	<5	34	170	39	2.88	<0.5		
A0161114		2.51	3	39	<5	42	183	50	3.12	0.5		
A0161115		2.22	1	41	<5	26	185	42	3.05	<0.5		
A0161116		2.63	2	45	<5	33	188	41	3.14	<0.5		
A0161117		2.44	1	44	<5	27	186	42	3.07	<0.5		
A0161118		2.37	2	39	<5	21	180	39	3.01	<0.5		
A0161119		2.27	2	47	5	25	196	45	3.39	<0.5		
A0161120		2.45	1	40	<5	29	177	39	2.82	<0.5		
A0161121		2.60	2	45	<5	31	169	36	2.70	<0.5		
A0161122		2.17	2	51	<5	32	174	41	2.88	<0.5		
A0161123		2.88	3	39	<5	89	174	40	3.13	<0.5		
A0161124		2.88	2	50	<5	57	175	38	3.26	<0.5		

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Finalized Date: 28-JUN-2019
Account: MZI

Project: 18-101

CERTIFICATE OF ANALYSIS TB19144662

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
A0161125		1.99	1	<1	<5	<1	1	<1	12.95	<0.5		
A0161126		3.05	8	39	<5	30	150	43	2.98	<0.5		
A0161127		1.83	2	<1	<5	44	21	29	1.51	<0.5		
A0161128		2.03	2	2	<5	75	25	28	1.51	<0.5		
A0161129		3.12	107	12	<5	56	52	27	1.64	<0.5		
A0161130		1.76	14	255	37	136	213	61	4.92	<0.5		
A0161131		2.12	25	1020	129	253	300	65	5.06	<0.5		
A0161132		2.37	16	431	45	118	199	48	4.08	<0.5		
A0161133		2.66	11	419	57	54	204	30	2.87	<0.5		
A0161134		2.25	22	432	69	102	211	40	3.47	<0.5		
A0161135		2.56	30	345	55	150	271	57	4.53	<0.5		
A0161136		2.52	21	243	28	115	209	47	3.61	<0.5		
A0161137		2.31	14	198	31	67	224	44	4.20	<0.5		
A0161138		2.48	18	398	50	86	203	40	3.16	<0.5		
A0161139		2.38	10	136	17	35	212	35	3.46	<0.5		
A0161140		2.21	50	1690	144	229	276	38	2.77	<0.5		
A0161141		2.03	104	5650	424	367	645	60	3.30	<0.5		
A0161142		2.25	53	5080	327	129	574	58	4.79	<0.5		
A0161143		2.10	38	1420	115	101	386	49	4.71	<0.5		
A0161144		2.30	48	1130	151	189	359	60	4.98	<0.5		
A0161145		0.08	220	3170	738	>10000	>10000	945	3.89	3.8	16200	45300
A0161146		2.24	20	175	22	182	336	55	4.91	<0.5		
A0161147		2.20	37	157	39	442	510	67	4.90	<0.5		
A0161148		2.24	31	150	35	452	486	65	5.09	<0.5		
A0161149		2.25	22	120	26	448	482	61	4.89	<0.5		
A0161150		2.15	18	106	23	471	500	65	5.32	<0.5		
A0161151		2.19	28	82	14	447	445	63	5.38	0.7		
A0161152		2.16	47	151	28	750	605	68	5.07	0.7		
A0161153		2.20	47	175	28	700	527	63	4.34	0.8		
A0161154		2.19	37	123	23	656	473	59	4.59	0.6		
A0161155		2.20	42	89	18	562	419	57	4.25	0.6		
A0161156		2.08	26	51	8	363	321	50	4.05	0.5		
A0161157		2.10	11	11	<5	117	224	44	3.93	<0.5		
A0161158		2.19	7	12	<5	118	233	45	3.94	<0.5		
A0161159		2.34	12	8	<5	313	187	57	4.25	0.7		
A0161160		2.36	14	41	6	399	253	59	4.07	0.7		
A0161161		2.25	7	56	11	165	261	43	3.77	0.5		
A0161162		0.07	114	614	285	4440	4380	115	3.90	2.3		

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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			