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: 24-JUN-2019
Account: MZI

CERTIFICATE TB19141475

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 11-JUN-2019.

The following have access to data associated with this certificate:

KAITLYN CHOVANCAK	SAM DAVIES	DENIS DECHARTE
CLAIRE MCGUINNESS	DAVE PECK	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 TB19141475

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
A0162489		1.72	<1	1	<5	6	6	2	13.35	<0.5		
A0162490		0.08	4450	1990	1280	85	84	62	0.26	0.7		
A0162491		2.92	8	13	<5	11	321	62	5.76	<0.5		
A0162492		2.64	<1	13	<5	8	327	65	6.12	<0.5		
A0162493		3.11	<1	142	61	12	290	53	5.23	<0.5		
A0162494		2.48	<1	68	21	9	231	43	4.11	<0.5		
A0162495		2.49	1	45	12	34	223	45	3.90	<0.5		
A0162496		2.70	1	32	9	63	137	43	2.93	<0.5		
A0162497		2.50	4	199	24	14	233	43	4.07	<0.5		
A0162498		2.19	<1	73	9	15	264	51	5.01	<0.5		
A0162499		2.71	<1	36	7	15	330	62	6.24	<0.5		
A0162500		2.24	<1	44	5	5	314	58	5.80	<0.5		
A0162501		2.59	<1	64	8	18	301	61	5.76	<0.5		
A0162502		2.44	<1	40	<5	7	332	63	6.08	<0.5		
A0162503		2.55	<1	31	<5	10	354	65	6.47	<0.5		
A0162504		2.23	<1	20	<5	7	361	67	6.51	<0.5		
A0162505		2.42	<1	19	<5	7	350	66	6.28	<0.5		
A0162506		2.58	<1	20	6	11	335	64	6.13	<0.5		
A0162507		2.28	<1	28	<5	7	358	66	6.39	<0.5		
A0162508		2.40	<1	34	5	11	344	61	6.19	<0.5		
A0162509		0.07	102	623	312	4590	4530	117	4.05	2.1		
A0162510		2.42	<1	34	<5	15	349	54	6.13	<0.5		
A0162511		2.46	<1	29	<5	11	343	63	5.98	<0.5		
A0162512		2.63	<1	29	<5	8	321	60	5.60	<0.5		
A0162513		2.50	<1	44	8	12	332	59	5.70	<0.5		
A0162514		2.74	26	36	5	46	282	68	5.83	<0.5		
A0162515		2.64	66	75	18	44	266	63	5.07	<0.5		
A0162516		2.06	2	83	23	6	333	61	5.62	<0.5		
A0162517		2.09	1	46	18	73	352	61	5.84	<0.5		
A0162518		2.27	<1	96	38	47	358	61	6.16	<0.5		
A0162519		2.17	3	107	42	40	356	63	6.26	<0.5		
A0162520		2.00	1	73	35	37	352	65	6.17	<0.5		
A0162521		2.28	2	107	40	35	347	61	5.96	<0.5		
A0162522		2.13	2	39	14	63	357	62	5.88	<0.5		
A0162523		2.19	4	48	16	61	332	59	5.75	<0.5		
A0162524		2.18	9	39	16	43	343	61	6.00	<0.5		
A0162525		2.34	<1	37	20	23	454	68	8.05	<0.5		
A0162526		2.20	4	52	28	13	345	62	5.89	<0.5		
A0162527		2.11	1	83	15	24	215	40	3.71	<0.5		
A0162528		2.07	<1	41	11	14	218	43	3.83	<0.5		

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Finalized Date: 24-JUN-2019
Account: MZI

Project: 18-101

CERTIFICATE OF ANALYSIS TB19141475

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
A0162529		1.60	<1	<1	<5	2	2	1	13.65	<0.5		
A0162530		2.11	1	44	6	22	266	51	4.56	<0.5		
A0162531		2.21	<1	43	8	25	264	52	4.65	<0.5		
A0162532		2.16	<1	48	12	20	217	45	3.89	<0.5		
A0162533		1.95	<1	43	16	14	211	44	3.77	<0.5		
A0162534		2.28	<1	33	18	14	253	49	4.47	<0.5		
A0162535		2.28	<1	37	9	23	277	55	5.14	<0.5		
A0162536		2.13	2	138	27	36	324	61	5.67	<0.5		
A0162537		2.25	<1	24	<5	29	342	65	6.06	<0.5		
A0162538		2.14	1	24	5	30	350	68	6.30	<0.5		
A0162539		2.15	1	16	<5	28	342	63	6.07	<0.5		
A0162540		2.16	<1	21	<5	33	340	62	5.71	<0.5		
A0162541		2.36	1	20	<5	31	313	59	5.55	<0.5		
A0162542		2.26	<1	24	<5	27	313	59	5.62	<0.5		
A0162543		2.41	<1	29	<5	29	325	61	5.92	<0.5		
A0162544		2.28	10	43	<5	34	330	61	5.88	<0.5		
A0162545		2.35	11	27	<5	32	329	62	5.95	<0.5		
A0162546		2.22	8	24	<5	23	304	57	5.45	<0.5		
A0162547		2.37	12	15	<5	34	322	61	5.82	<0.5		
A0162548		2.31	4	42	20	40	260	53	4.44	<0.5		
A0162549		0.08	287	3490	834	>10000	>10000	980	4.06	4.4	16150	45100
A0162550		2.28	13	34	8	35	350	61	5.49	<0.5		
A0162551		2.34	3	26	19	23	323	62	5.78	<0.5		
A0162552		2.17	<1	54	10	13	331	62	5.84	<0.5		
A0162553		2.38	<1	55	13	15	342	64	6.00	<0.5		
A0162554		2.22	<1	14	6	30	291	55	5.20	<0.5		
A0162555		2.56	<1	6	<5	26	320	61	5.90	<0.5		
A0162556		2.32	20	7	5	30	313	60	5.71	<0.5		
A0162557		2.25	11	15	5	25	298	57	5.15	<0.5		
A0162558		2.42	3	21	<5	24	269	50	4.84	<0.5		
A0162559		2.28	<1	16	<5	22	278	53	5.06	<0.5		
A0162560		2.27	<1	25	<5	14	282	55	5.30	<0.5		
A0162561		2.34	<1	20	5	10	272	54	5.11	<0.5		
A0162562		2.41	<1	17	7	17	283	58	5.39	<0.5		
A0162563		2.45	2	37	44	20	279	55	5.07	<0.5		
A0162564		2.33	<1	43	66	11	276	52	5.13	<0.5		
A0162565		2.42	4	38	60	23	292	55	5.37	<0.5		
A0162566		0.07	87	625	345	4460	4350	114	3.96	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			