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: 29-JUL-2019
Account: MZI

CERTIFICATE TB19163061

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 4-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 TB19163061

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
A0153501		2.04	<1	2	<5	2	2	1	13.75	<0.5		
A0153502		0.07	4760	2080	1320	87	87	62	0.26	1.0		
A0153503		2.63	33	63	5	36	150	36	2.72	<0.5		
A0153504		2.68	15	46	<5	52	82	32	1.88	<0.5		
A0153505		2.64	5	98	5	24	169	39	2.89	<0.5		
A0153506		2.65	3	97	5	18	235	51	4.15	<0.5		
A0153507		2.48	1	95	7	19	226	50	4.11	<0.5		
A0153508		2.41	1	79	10	29	192	46	3.80	<0.5		
A0153509		2.81	1	65	6	20	225	46	3.94	<0.5		
A0153510		2.77	<1	64	6	17	238	49	4.12	<0.5		
A0153511		3.52	<1	53	<5	14	241	49	4.09	<0.5		
A0153512		1.86	2	51	<5	30	280	58	5.13	<0.5		
A0153513		2.30	1	53	13	26	280	58	5.30	<0.5		
A0153514		2.81	<1	38	21	17	288	59	5.22	<0.5		
A0153515		2.43	<1	52	13	8	272	54	5.02	<0.5		
A0153516		2.60	1	67	9	11	261	53	4.68	<0.5		
A0153517		2.70	1	32	19	15	280	56	5.19	<0.5		
A0153518		2.74	1	43	8	16	245	52	4.47	<0.5		
A0153519		2.09	9	31	<5	99	199	43	3.48	<0.5		
A0153520		2.59	2	23	5	42	244	52	4.47	<0.5		
A0153521		0.07	101	623	297	4520	4470	117	4.00	2.2		
A0153522		2.84	3	28	8	33	280	56	5.09	<0.5		
A0153523		2.95	5	31	6	37	260	52	4.68	<0.5		
A0153524		2.37	<1	20	<5	20	179	39	2.98	<0.5		
A0153525		2.78	<1	20	<5	29	186	41	3.12	<0.5		
A0153526		3.47	<1	24	<5	14	219	47	3.83	<0.5		
A0153527		1.79	4	26	<5	58	208	44	3.57	<0.5		
A0153528		2.80	2	31	<5	35	194	42	3.39	<0.5		
A0153529		2.46	1	33	<5	27	177	37	2.92	<0.5		
A0153530		2.41	<1	30	<5	14	170	36	2.90	<0.5		
A0153531		2.57	<1	32	<5	13	172	37	2.92	<0.5		
A0153532		2.60	<1	34	<5	13	170	37	2.94	<0.5		
A0153533		2.71	<1	31	<5	12	154	36	2.51	<0.5		
A0153534		2.63	<1	32	<5	13	133	28	2.10	<0.5		
A0153535		2.70	2	48	<5	40	145	32	2.45	<0.5		
A0153536		2.57	1	94	24	24	206	50	4.17	<0.5		
A0153537		2.77	4	75	22	32	225	52	4.40	<0.5		
A0153538		2.73	63	171	76	265	340	59	4.91	<0.5		
A0153539		2.53	91	164	42	536	456	67	5.45	<0.5		
A0153540		2.23	91	161	44	633	518	72	5.66	0.7		

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Finalized Date: 29-JUL-2019
Account: MZI

Project: 18-101

CERTIFICATE OF ANALYSIS TB19163061

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
A0153541		1.93	<1	1	<5	2	7	<1	13.25	<0.5		
A0153542		2.09	98	188	51	364	455	72	6.17	<0.5		
A0153543		2.40	62	615	106	162	383	60	5.06	<0.5		
A0153544		2.32	62	337	78	328	413	64	5.41	<0.5		
A0153545		2.64	148	262	72	529	533	68	5.50	<0.5		
A0153546		2.35	170	244	91	461	500	64	5.20	0.5		
A0153547		2.34	74	175	61	284	430	61	5.14	0.5		
A0153548		1.93	16	74	40	75	373	57	4.94	<0.5		
A0153549		2.24	25	92	26	101	408	56	4.80	<0.5		
A0153550		2.33	107	241	70	469	530	63	4.89	0.5		
A0153551		2.78	11	27	7	28	243	48	4.15	<0.5		
A0153552		2.26	2	38	7	21	231	48	4.11	<0.5		
A0153553		2.16	<1	60	<5	18	209	44	3.64	0.6		
A0153554		2.49	1	43	<5	18	156	34	2.74	<0.5		
A0153555		2.22	1	31	<5	21	224	47	4.04	<0.5		
A0153556		2.31	<1	35	<5	24	159	35	2.83	<0.5		
A0153557		2.16	1	33	<5	22	123	27	2.15	0.5		
A0153558		2.29	1	31	<5	20	207	46	3.86	<0.5		
A0153559		2.24	1	32	<5	31	155	35	2.74	<0.5		
A0153560		1.93	<1	26	<5	29	124	29	2.16	<0.5		
A0153561		0.12	242	3480	841	>10000	>10000	1010	4.09	4.5	16300	46700
A0153562		2.18	1	22	<5	59	213	35	2.39	<0.5		
A0153563		2.28	<1	20	<5	24	148	33	2.39	<0.5		
A0153564		2.37	<1	23	<5	14	145	32	2.48	<0.5		
A0153565		2.16	<1	21	<5	19	132	29	2.09	<0.5		
A0153566		2.24	<1	22	<5	21	103	27	1.90	<0.5		
A0153567		2.49	3	24	<5	31	139	29	1.88	<0.5		
A0153568		2.15	1	36	<5	22	180	40	2.69	<0.5		
A0153569		2.29	<1	14	<5	15	166	33	2.09	<0.5		
A0153570		2.14	1	7	<5	15	214	45	3.29	<0.5		
A0153571		2.20	2	15	<5	23	211	46	3.26	<0.5		
A0153572		2.39	1	24	<5	12	341	51	2.00	<0.5		
A0153573		2.24	1	21	<5	7	217	48	1.80	<0.5		
A0153574		2.21	3	30	<5	17	160	44	2.05	<0.5		
A0153575		2.18	2	32	<5	23	112	37	2.39	<0.5		
A0153576		1.42	2	34	<5	12	166	54	2.62	<0.5		
A0153577		3.38	1	23	<5	10	148	85	2.76	<0.5		
A0153578		0.07	63	610	322	4460	4330	109	3.78	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			