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: 23-JUL-2019
Account: MZI

CERTIFICATE TB19160569

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 30-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 TB19160569

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
A0146405		1.20	<1	2	<5	2	4	1	13.60	<0.5		
A0146406		0.08	5300	2030	1290	87	88	64	0.26	0.8		
A0146407		2.35	13	112	12	177	393	59	6.79	<0.5		
A0146408		2.53	4	8	<5	127	367	57	6.88	<0.5		
A0146409		2.45	80	760	71	410	463	62	6.66	<0.5		
A0146410		2.73	11	20	<5	140	331	54	6.43	<0.5		
A0146411		2.56	65	782	93	337	522	65	6.54	<0.5		
A0146412		2.35	6	97	12	80	345	55	6.38	<0.5		
A0146413		2.71	4	42	5	118	340	57	6.55	<0.5		
A0146414		2.59	25	42	5	280	357	53	5.98	<0.5		
A0146415		2.87	78	608	89	415	615	79	8.03	<0.5		
A0146416		2.69	22	135	15	173	371	59	6.51	<0.5		
A0146417		2.42	16	120	14	170	337	55	6.27	<0.5		
A0146418		2.49	17	163	15	178	320	53	5.94	<0.5		
A0146419		2.48	9	43	6	144	330	57	6.49	<0.5		
A0146420		2.53	7	5	<5	139	354	60	6.72	<0.5		
A0146421		2.45	6	1	<5	235	405	60	6.42	<0.5		
A0146422		2.76	4	4	<5	120	316	55	6.51	<0.5		
A0146423		2.48	16	50	12	162	349	60	6.39	<0.5		
A0146424		2.64	9	10	<5	123	316	55	6.35	<0.5		
A0146425		0.07	97	599	299	4620	4350	114	3.87	1.9		
A0146426		2.52	14	233	18	208	395	58	6.62	<0.5		
A0146427		2.44	3	11	<5	116	320	57	6.51	<0.5		
A0146428		2.59	15	261	38	195	402	60	6.45	<0.5		
A0146429		2.35	11	9	<5	368	491	58	5.88	<0.5		
A0146430		2.28	113	829	76	1570	1320	78	5.69	0.8		
A0146431		2.44	280	4450	411	1670	1545	111	9.17	0.8		
A0146432		2.43	247	3070	285	971	1010	84	7.73	<0.5		
A0146433		2.42	19	267	26	299	452	63	7.25	<0.5		
A0146434		2.30	80	878	112	619	613	68	6.22	<0.5		
A0146435		2.50	159	941	132	592	698	81	8.00	0.5		
A0146436		2.65	128	1040	121	944	1005	96	8.95	1.0		
A0146437		2.52	35	233	31	295	469	62	6.70	<0.5		
A0146438		2.36	26	218	27	244	411	59	6.18	<0.5		
A0146439		2.36	90	1050	99	531	601	70	6.42	<0.5		
A0146440		1.72	9	82	8	128	341	57	6.44	<0.5		
A0146441		2.68	99	1490	190	720	771	82	7.16	<0.5		
A0146442		3.01	128	1610	168	745	775	77	6.83	<0.5		
A0146443		2.50	118	1340	132	662	728	76	7.06	<0.5		
A0146444		2.51	4	23	<5	120	314	55	6.35	<0.5		

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Finalized Date: 23-JUL-2019
Account: MZI

Project: 18-101

CERTIFICATE OF ANALYSIS TB19160569

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
A0146445		1.50	<1	2	<5	2	1	1	13.25	<0.5		
A0146446		2.36	54	1100	115	386	535	63	6.42	<0.5		
A0146447		2.23	15	235	29	177	391	63	6.75	<0.5		
A0146448		2.17	12	26	5	123	295	58	6.16	<0.5		
A0146449		2.20	15	68	10	180	345	58	6.41	<0.5		
A0146450		2.43	410	3810	428	1390	1345	103	9.01	0.6		
A0146451		2.24	250	3980	307	1500	1555	117	9.23	0.7		
A0146452		2.25	252	1980	200	746	878	84	8.21	0.5		
A0146453		2.40	250	2000	220	941	1055	91	8.34	<0.5		
A0146454		2.30	225	2070	232	969	1075	92	8.56	<0.5		
A0146455		2.53	328	4460	370	1960	1120	94	7.50	0.7		
A0146456		2.40	74	924	176	392	519	65	6.33	<0.5		
A0146457		2.48	314	2900	316	1060	1140	99	9.08	0.5		
A0146458		1.76	142	1790	166	682	710	91	8.80	<0.5		
A0146459		1.89	10	15	<5	114	50	22	1.24	<0.5		
A0146460		2.29	4	90	7	74	92	31	1.87	<0.5		
A0146461		2.73	7	194	24	96	192	43	2.99	<0.5		
A0146462		1.42	41	400	75	442	593	86	7.68	<0.5		
A0146463		1.78	40	39	9	460	507	68	6.31	<0.5		
A0146464		2.14	18	256	32	286	401	61	6.01	<0.5		
A0146465		0.12	220	3360	793	>10000	>10000	945	3.83	4.1	16500	47200
A0146466		1.93	341	67	8	5760	217	47	2.69	3.0		
A0146467		3.13	46	151	20	705	688	59	5.29	<0.5		
A0146468		2.70	69	317	50	657	722	79	6.63	<0.5		
A0146469		2.52	102	884	110	691	774	67	4.86	<0.5		
A0146470		2.25	39	408	46	444	538	58	5.60	<0.5		
A0146471		2.23	23	45	7	337	412	48	4.66	<0.5		
A0146472		2.12	19	106	15	253	426	47	4.23	<0.5		
A0146473		2.18	39	168	18	453	395	50	4.85	<0.5		
A0146474		2.29	15	25	<5	227	307	52	5.25	<0.5		
A0146475		2.02	15	18	<5	256	397	53	5.27	<0.5		
A0146476		2.40	19	85	11	344	439	48	4.51	<0.5		
A0146477		2.17	15	6	<5	221	319	42	4.21	<0.5		
A0146478		2.11	10	76	7	232	283	40	4.09	<0.5		
A0146479		2.34	11	64	10	157	391	48	4.74	<0.5		
A0146480		2.45	25	271	24	280	386	54	5.22	<0.5		
A0146481		2.27	3	13	<5	85	238	41	4.40	<0.5		
A0146482		0.07	86	596	311	4660	4520	115	4.02	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			