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: 25-JUL-2019
Account: MZI

CERTIFICATE TB19163063

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 TB19163063

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
A0153657		1.60	<1	1	<5	1	2	1	13.05	<0.5		
A0153658		0.08	5010	2080	1320	86	84	61	0.25	0.8		
A0153659		1.96	9	87	15	383	243	39	2.89	0.5		
A0153660		1.83	<1	45	7	44	132	30	2.96	<0.5		
A0153661		2.31	1	27	6	32	118	32	2.88	<0.5		
A0153662		2.74	<1	21	6	18	109	31	3.03	<0.5		
A0153663		2.63	<1	22	<5	27	117	30	2.89	<0.5		
A0153664		2.67	<1	25	<5	35	141	33	3.26	<0.5		
A0153665		1.76	2	29	5	47	139	35	3.25	<0.5		
A0153666		2.79	<1	20	6	40	138	36	3.70	<0.5		
A0153667		2.74	2	18	6	81	139	39	3.69	<0.5		
A0153668		2.08	3	19	6	79	138	36	3.78	<0.5		
A0153669		3.35	1	5	<5	349	70	32	2.49	1.0		
A0153670		1.98	2	15	5	709	120	23	3.88	0.6		
A0153671		1.55	18	229	91	2990	224	64	4.16	2.1		
A0153672		2.71	43	59	19	1000	145	47	3.13	1.4		
A0153673		2.30	<1	16	7	123	121	33	3.29	<0.5		
A0153674		2.32	<1	16	6	33	116	29	3.43	<0.5		
A0153675		2.08	<1	15	<5	52	109	28	3.21	<0.5		
A0153676		2.18	<1	18	6	76	120	32	3.45	<0.5		
A0153677		0.07	108	608	264	4690	4450	115	3.90	1.9		
A0153678		2.61	2	18	5	100	134	33	3.68	<0.5		
A0153679		2.29	1	15	8	46	141	37	3.99	<0.5		
A0153680		1.74	1	16	6	55	111	33	3.54	<0.5		
A0153681		1.95	2	15	<5	190	107	30	2.89	<0.5		
A0153682		2.37	<1	13	6	150	112	31	3.61	<0.5		
A0153683		2.14	<1	12	<5	91	105	30	3.09	<0.5		
A0153684		2.33	9	14	6	554	128	58	2.74	0.9		
A0153685		2.25	15	22	7	685	181	49	4.98	1.1		
A0153686		2.40	2	11	6	139	142	37	3.62	<0.5		
A0153687		2.21	7	17	6	409	161	47	5.56	0.7		
A0153688		2.25	12	17	6	752	189	64	5.33	0.6		
A0153689		2.31	1	13	5	113	100	30	3.12	<0.5		
A0153690		2.15	1	13	<5	99	124	39	3.99	<0.5		
A0153691		2.27	17	14	5	1005	134	41	3.77	1.2		
A0153692		2.23	7	14	5	376	123	37	3.62	<0.5		
A0153693		2.41	11	12	<5	643	101	43	3.08	1.0		
A0153694		2.11	1	12	5	141	130	36	3.34	<0.5		
A0153695		2.29	10	13	6	348	154	50	4.26	0.5		
A0153696		2.60	2	10	<5	92	109	57	2.99	2.0		

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Project: 18-101

CERTIFICATE OF ANALYSIS TB19163063

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
A0153697		1.63	<1	1	<5	2	2	1	13.65	<0.5		
A0153698		2.39	<1	4	<5	102	61	35	2.65	<0.5		
A0153699		2.41	3	<1	<5	177	17	27	1.62	<0.5		
A0153700		2.70	2	7	<5	48	90	32	2.88	0.6		
A0153701		2.45	1	1	<5	96	21	32	1.81	1.2		
A0153702		2.58	1	12	<5	75	117	39	3.76	<0.5		
A0153703		2.17	1	12	6	79	104	33	3.26	0.5		
A0153704		2.39	<1	5	<5	99	44	31	2.12	<0.5		
A0153705		2.48	<1	1	<5	157	16	30	1.68	<0.5		
A0153706		2.17	1	<1	<5	157	20	35	1.63	0.6		
A0153707		2.48	<1	<1	<5	81	15	29	1.71	<0.5		
A0153708		2.27	1	1	<5	158	38	33	1.78	<0.5		
A0153709		2.39	9	6	<5	422	68	40	2.35	<0.5		
A0153710		2.25	9	12	<5	120	114	43	4.08	<0.5		
A0153711		2.39	2	12	<5	108	111	39	3.91	<0.5		
A0153712		2.50	4	12	5	139	118	42	4.25	<0.5		
A0153713		2.45	2	13	5	105	117	41	4.24	<0.5		
A0153714		2.47	3	13	<5	118	123	43	4.43	<0.5		
A0153715		2.17	3	13	6	132	127	43	4.45	<0.5		
A0153716		2.33	3	13	6	214	141	42	4.31	<0.5		
A0153717		0.08	228	3340	840	>10000	>10000	981	4.08	4.1	15950	46100
A0153718		2.22	6	49	10	182	185	53	5.65	<0.5		
A0153719		2.35	1	14	<5	76	175	46	5.34	<0.5		
A0153720		2.26	2	14	5	106	175	42	4.50	<0.5		
A0153721		2.30	3	17	6	107	191	46	4.78	<0.5		
A0153722		1.67	3	25	7	130	209	46	5.05	<0.5		
A0153723		1.45	7	83	17	136	263	49	4.89	<0.5		
A0153724		1.48	10	189	37	125	301	59	5.87	<0.5		
A0153725		2.33	50	362	66	429	474	74	7.21	0.5		
A0153726		2.26	9	92	16	119	226	45	4.05	<0.5		
A0153727		2.32	29	353	106	195	306	54	4.75	<0.5		
A0153728		2.23	10	754	178	71	284	50	4.26	<0.5		
A0153729		2.30	25	1180	221	240	382	56	4.46	<0.5		
A0153730		2.23	11	286	72	81	314	37	2.47	<0.5		
A0153731		2.27	<1	36	<5	19	134	35	2.84	<0.5		
A0153732		2.28	<1	26	5	11	130	33	2.80	<0.5		
A0153733		2.18	<1	24	<5	10	145	35	2.97	<0.5		
A0153734		0.07	95	612	291	4570	4430	117	4.00	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			