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: 1-AUG-2019
Account: MZI

CERTIFICATE TB19172655

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 15-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 TB19172655

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
A0153891		1.84	<1	<1	<5	1	2	1	14.30	<0.5		
A0153892		0.07	4740	2020	1320	91	91	66	0.27	0.8		
A0153893		2.32	18	165	19	174	380	60	4.86	<0.5		
A0153894		2.30	31	56	7	363	315	73	4.54	<0.5		
A0153895		2.32	6	160	18	78	380	57	4.80	<0.5		
A0153896		2.42	14	98	113	38	351	55	4.85	<0.5		
A0153897		2.21	76	390	108	532	660	72	4.75	<0.5		
A0153898		2.41	146	925	189	1215	813	62	0.97	0.7		
A0153899		2.24	53	505	69	490	504	63	4.34	<0.5		
A0153900		2.89	125	546	99	1070	859	120	3.77	0.8		
A0153901		2.40	35	203	38	418	727	218	1.18	<0.5		
A0153902		3.13	34	158	27	653	678	193	2.16	0.5		
A0153903		2.93	49	223	37	818	724	177	1.50	0.6		
A0153904		2.97	11	55	29	349	436	237	1.35	<0.5		
A0153905		2.85	7	36	5	271	371	236	1.10	<0.5		
A0153906		2.92	22	83	14	345	363	163	2.32	<0.5		
A0153907		2.24	44	307	52	364	403	60	4.27	<0.5		
A0153908		2.25	52	414	96	590	433	57	3.50	<0.5		
A0153909		3.39	10	91	16	243	646	220	1.29	<0.5		
A0153910		2.67	35	142	26	903	593	176	3.63	1.0		
A0153911		0.07	71	595	286	4570	4420	120	4.03	2.2		
A0153912		2.65	47	214	36	794	721	157	1.55	0.6		
A0153913		2.73	54	247	42	871	802	175	2.50	0.6		
A0153914		2.78	78	312	52	1325	1040	191	5.63	0.9		
A0153915		2.61	73	359	55	1295	957	169	4.34	1.1		
A0153916		2.40	69	291	49	1030	746	175	1.68	0.9		
A0153917		2.66	42	213	33	776	828	232	1.62	0.7		
A0153918		2.70	78	298	59	969	574	83	4.94	0.7		
A0153919		2.33	73	309	58	1180	710	79	4.90	0.9		
A0153920		2.17	142	667	143	2160	1150	94	4.23	1.5		
A0153921		2.27	68	320	54	649	607	76	5.85	0.6		
A0153922		2.45	83	331	62	1060	848	77	4.46	0.7		
A0153923		2.43	35	119	25	672	608	69	5.31	0.5		
A0153924		2.60	6	21	<5	143	309	65	5.92	0.5		
A0153925		1.74	6	32	6	128	317	64	5.73	<0.5		
A0153926		1.82	24	181	30	456	637	79	3.86	0.7		
A0153927		2.23	72	297	49	1505	2600	257	1.46	0.9		
A0153928		1.95	51	262	45	919	1250	185	2.12	0.6		
A0153929		3.08	77	396	66	1335	1290	152	1.36	1.1		
A0153930		1.79	130	626	94	1660	956	85	4.04	1.1		

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CERTIFICATE OF ANALYSIS TB19172655

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
A0153931		1.96	<1	<1	<5	5	2	<1	13.15	<0.5		
A0153932		2.07	51	228	37	657	558	57	4.04	0.6		
A0153933		2.61	1	131	24	226	426	44	3.72	<0.5		
A0153934		2.29	5	111	19	542	451	58	4.36	<0.5		
A0153935		2.38	30	15	30	157	337	56	5.18	<0.5		
A0153936		2.27	70	34	114	82	322	56	5.74	<0.5		
A0153937		2.23	4	104	115	54	328	67	6.40	<0.5		
A0153938		2.21	1	67	11	21	249	55	5.15	<0.5		
A0153939		2.33	141	385	117	629	562	69	5.79	0.5		
A0153940		2.16	89	123	28	628	523	61	5.02	0.7		
A0153941		2.19	3	118	28	32	200	51	4.98	<0.5		
A0153942		2.22	2	37	5	22	187	46	4.47	<0.5		
A0153943		2.22	1	26	<5	24	153	40	3.65	<0.5		
A0153944		2.24	<1	5	<5	14	184	44	4.51	<0.5		
A0153945		2.10	1	6	<5	17	180	43	4.30	<0.5		
A0153946		2.23	1	6	<5	12	171	40	3.56	<0.5		
A0153947		2.31	2	4	<5	20	201	42	3.97	<0.5		
A0153948		2.23	14	14	6	92	353	58	5.63	<0.5		
A0153949		2.14	26	115	47	140	408	69	6.31	<0.5		
A0153950		2.30	58	73	25	235	375	55	4.68	<0.5		
A0153951		0.12	228	3510	862	>10000	>10000	987	4.01	4.2	15600	44600
A0153952		2.23	31	46	16	183	367	56	5.13	<0.5		
A0153953		2.26	5	163	31	47	312	56	5.01	<0.5		
A0153954		2.20	2	128	30	17	218	43	3.55	<0.5		
A0153955		2.13	2	196	22	15	171	37	2.78	<0.5		
A0153956		2.16	1	73	13	12	162	33	2.63	<0.5		
A0153957		2.09	1	69	14	14	164	33	2.56	<0.5		
A0153958		2.12	<1	85	17	18	151	30	2.30	<0.5		
A0153959		2.13	1	78	19	21	146	30	2.22	<0.5		
A0153960		2.27	2	79	14	22	164	32	2.39	<0.5		
A0153961		2.24	1	84	11	21	212	39	3.00	<0.5		
A0153962		2.13	3	68	7	24	198	36	2.82	<0.5		
A0153963		2.13	2	65	7	22	183	35	2.61	<0.5		
A0153964		2.12	1	63	7	13	221	42	3.37	<0.5		
A0153965		2.35	4	99	13	66	213	49	3.67	<0.5		
A0153966		2.20	2	175	24	70	215	46	3.69	<0.5		
A0153967		2.13	3	357	39	11	230	38	4.15	<0.5		
A0153968		0.07	88	598	293	4470	4380	114	3.90	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			