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 TB19160582

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 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 TB19160582

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
A0160929		1.90	<1	2	<5	3	5	2	13.50	<0.5		
A0160930		0.08	5270	2070	1330	86	85	63	0.25	0.9		
A0160931		2.58	14	121	26	132	488	104	10.45	<0.5		
A0160932		2.64	15	98	24	150	453	97	9.84	<0.5		
A0160933		2.57	21	201	42	188	503	100	10.15	<0.5		
A0160934		2.17	39	308	59	364	594	101	9.39	<0.5		
A0160935		2.85	33	270	44	412	414	43	2.86	<0.5		
A0160936		2.54	11	81	10	191	142	17	1.10	<0.5		
A0160937		2.47	30	88	21	812	636	76	4.65	<0.5		
A0160938		2.59	32	96	20	579	522	54	4.02	<0.5		
A0160939		2.57	113	1040	176	1035	1095	96	7.00	<0.5		
A0160940		2.60	30	142	22	670	550	67	4.93	<0.5		
A0160941		2.48	36	136	27	1140	626	90	6.45	<0.5		
A0160942		2.16	42	178	40	1030	951	79	4.30	<0.5		
A0160943		2.44	15	66	10	210	283	41	3.45	<0.5		
A0160944		2.38	5	58	6	53	165	31	2.67	<0.5		
A0160945		2.54	8	126	27	65	433	85	8.93	<0.5		
A0160946		2.42	21	198	41	139	361	61	5.58	<0.5		
A0160947		2.32	6	50	7	102	244	45	4.43	<0.5		
A0160948		2.54	13	66	23	1590	907	78	5.37	<0.5		
A0160949		0.07	76	609	283	4410	4280	116	3.94	1.8		
A0160950		2.41	12	37	9	555	370	46	3.40	<0.5		
A0160951		2.49	38	76	27	2150	1045	75	5.42	0.9		
A0160952		2.65	19	60	16	1025	636	65	5.73	<0.5		
A0160953		2.93	6	29	7	108	454	60	7.86	<0.5		
A0160954		2.45	<1	90	33	17	556	63	5.22	<0.5		
A0160955		2.45	3	61	49	39	426	45	3.73	<0.5		
A0160956		2.42	1	73	8	24	332	38	3.40	<0.5		
A0160957		2.17	1	43	<5	23	302	39	3.54	<0.5		
A0160958		2.71	1	210	10	22	234	41	3.85	<0.5		
A0160959		1.68	<1	50	<5	19	204	42	3.96	<0.5		
A0160960		2.36	<1	41	<5	15	169	36	3.44	<0.5		
A0160961		1.44	<1	21	<5	14	215	44	4.21	<0.5		
A0160962		2.18	<1	20	<5	10	221	44	4.28	<0.5		
A0160963		2.21	<1	19	<5	11	207	43	3.93	<0.5		
A0160964		2.36	<1	26	<5	12	168	35	3.20	<0.5		
A0160965		2.25	<1	25	<5	16	196	40	3.73	<0.5		
A0160966		2.51	<1	27	<5	18	179	37	3.23	<0.5		
A0160967		2.44	<1	28	<5	12	164	34	3.08	<0.5		
A0160968		2.48	<1	25	<5	14	127	27	2.31	<0.5		

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CERTIFICATE OF ANALYSIS TB19160582

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
A0160969		1.64	<1	1	<5	1	1	1	12.90	<0.5		
A0160970		2.27	<1	33	<5	24	139	33	2.40	<0.5		
A0160971		2.59	<1	25	<5	10	145	31	2.57	<0.5		
A0160972		2.48	<1	32	<5	11	133	29	2.25	<0.5		
A0160973		2.37	<1	29	<5	10	154	34	2.75	<0.5		
A0160974		2.37	1	28	<5	22	151	33	2.65	<0.5		
A0160975		2.28	<1	26	<5	12	174	38	3.00	<0.5		
A0160976		2.51	<1	29	<5	42	148	34	2.63	<0.5		
A0160977		2.58	<1	28	<5	25	175	42	3.17	<0.5		
A0160978		2.41	<1	27	<5	9	185	41	3.29	<0.5		
A0160979		2.51	<1	26	<5	10	195	44	3.48	<0.5		
A0160980		2.27	<1	24	<5	11	200	46	3.58	<0.5		
A0160981		2.24	<1	27	<5	11	212	48	3.69	<0.5		
A0160982		2.01	<1	27	<5	13	210	47	3.74	<0.5		
A0160983		2.24	<1	30	<5	17	210	47	3.62	<0.5		
A0160984		2.24	5	31	<5	10	177	40	3.00	<0.5		
A0160985		2.24	<1	27	<5	12	159	36	2.69	<0.5		
A0160986		2.17	<1	29	<5	27	176	39	2.93	<0.5		
A0160987		2.12	<1	32	<5	24	162	34	2.69	<0.5		
A0160988		2.11	<1	30	<5	27	161	36	2.70	<0.5		
A0160989		0.08	275	3500	802	>10000	>10000	905	3.75	3.9	16000	45900
A0160990		2.12	<1	28	<5	49	173	30	2.29	<0.5		
A0160991		2.12	<1	29	<5	15	140	31	2.23	<0.5		
A0160992		2.27	<1	32	<5	12	218	44	3.21	<0.5		
A0160993		2.14	<1	29	<5	9	149	32	2.39	<0.5		
A0160994		2.13	1	26	<5	40	144	33	2.32	<0.5		
A0160995		2.16	<1	29	<5	18	150	34	2.26	<0.5		
A0160996		2.05	<1	19	<5	10	204	44	3.30	<0.5		
A0160997		2.20	<1	20	<5	14	152	36	2.57	<0.5		
A0160998		2.51	<1	24	<5	13	146	35	2.55	<0.5		
A0160999		2.25	<1	21	<5	8	186	43	3.32	<0.5		
A0161000		2.11	<1	22	<5	18	181	43	3.22	<0.5		
A0161001		2.06	<1	23	<5	6	177	45	3.47	<0.5		
A0161002		2.32	<1	24	<5	<1	178	40	4.07	<0.5		
A0161003		2.25	<1	23	<5	11	167	40	3.08	<0.5		
A0161004		2.22	<1	27	<5	8	148	36	2.56	<0.5		
A0161005		2.46	<1	25	<5	8	145	35	2.47	<0.5		
A0161006		0.07	94	616	282	4560	4410	115	3.83	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			