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: 10-JUL-2019
Account: MZI

CERTIFICATE TB19152566

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 23-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 TB19152566

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
A0152877		1.56	<1	1	<5	3	3	<1	13.05	<0.5		
A0152878		0.07	4270	2040	1300	83	82	59	0.26	0.6		
A0152879		2.34	8	28	7	204	66	13	0.55	<0.5		
A0152880		2.33	30	392	68	462	412	42	3.18	0.7		
A0152881		2.46	35	688	90	706	436	45	1.92	0.8		
A0152882		2.40	12	395	60	299	223	41	3.17	<0.5		
A0152883		1.71	38	27	<5	1650	234	64	3.08	2.6		
A0152884		1.80	27	24	<5	1490	383	96	4.13	2.1		
A0152885		1.51	5	169	29	187	301	37	2.72	<0.5		
A0152886		2.41	1	53	8	55	131	29	2.65	<0.5		
A0152887		2.37	3	28	5	60	118	25	2.47	<0.5		
A0152888		2.27	<1	20	5	28	120	27	2.97	<0.5		
A0152889		2.68	<1	21	<5	22	125	31	2.95	<0.5		
A0152890		2.41	1	20	5	28	137	33	3.16	<0.5		
A0152891		2.38	1	27	5	44	139	32	3.22	<0.5		
A0152892		2.37	4	83	14	69	209	35	3.45	<0.5		
A0152893		2.40	3	72	11	59	169	35	3.38	<0.5		
A0152894		2.41	23	152	34	373	357	52	4.71	0.5		
A0152895		2.47	30	539	91	568	551	57	4.16	<0.5		
A0152896		2.24	11	186	45	195	194	17	1.09	<0.5		
A0152897		0.07	62	616	304	4330	4230	110	3.91	2.0		
A0152898		2.33	7	56	13	149	183	37	3.68	<0.5		
A0152899		2.31	9	37	7	182	118	23	2.31	<0.5		
A0152900		2.29	13	167	32	350	241	29	1.78	<0.5		
A0152901		2.40	26	206	54	317	390	46	2.37	<0.5		
A0152902		2.44	6	59	12	125	157	35	2.88	0.6		
A0152903		2.22	3	18	<5	67	135	37	4.02	<0.5		
A0152904		2.25	2	47	9	58	142	25	2.24	<0.5		
A0152905		2.35	6	7	<5	108	75	20	2.03	<0.5		
A0152906		2.36	10	11	<5	164	119	33	3.36	<0.5		
A0152907		2.32	9	37	7	166	178	45	4.18	<0.5		
A0152908		2.37	6	100	17	140	209	48	3.99	<0.5		
A0152909		2.14	22	112	17	331	221	48	3.99	<0.5		
A0152910		2.45	13	158	35	226	219	44	3.85	<0.5		
A0152911		2.20	4	15	<5	117	142	36	3.51	<0.5		
A0152912		2.35	4	16	<5	82	115	31	3.01	<0.5		
A0152913		2.16	2	14	<5	65	121	32	3.06	<0.5		
A0152914		2.28	2	13	<5	66	102	27	2.58	<0.5		
A0152915		2.17	4	17	<5	86	126	31	3.16	<0.5		
A0152916		2.41	7	20	5	87	139	31	3.16	<0.5		

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CERTIFICATE OF ANALYSIS TB19152566

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
A0152917		1.57	<1	<1	<5	<1	1	<1	13.90	<0.5		
A0152918		2.06	10	23	<5	182	154	34	3.66	0.5		
A0152919		3.53	7	156	31	201	433	76	8.98	<0.5		
A0152920		2.19	8	176	34	288	525	104	10.90	<0.5		
A0152921		1.97	7	210	42	255	436	93	10.30	<0.5		
A0152922		2.00	7	265	48	172	463	89	10.70	<0.5		
A0152923		1.30	<1	25	6	57	177	38	4.44	<0.5		
A0152924		2.29	5	91	17	224	225	45	4.17	<0.5		
A0152925		2.27	2	22	7	90	187	40	4.06	<0.5		
A0152926		1.68	2	57	11	165	197	42	3.86	<0.5		
A0152927		1.77	1	17	<5	126	136	35	3.31	<0.5		
A0152928		2.23	14	<1	<5	1040	39	44	1.88	1.6		
A0152929		2.60	18	9	<5	823	58	112	1.84	1.6		
A0152930		1.53	39	14	<5	1720	146	38	3.43	0.8		
A0152931		2.69	3	16	5	126	134	33	3.47	<0.5		
A0152932		2.46	1	17	<5	59	141	37	3.84	<0.5		
A0152933		2.16	1	15	<5	67	128	35	3.53	<0.5		
A0152934		2.86	3	16	<5	79	138	36	3.87	<0.5		
A0152935		2.19	2	17	5	113	137	36	3.92	<0.5		
A0152936		2.51	1	15	<5	82	136	40	3.98	<0.5		
A0152937		0.08	248	3390	789	>10000	>10000	1000	4.25	4.3	16550	47800
A0152938		2.24	2	16	<5	88	169	42	3.84	<0.5		
A0152939		2.04	<1	17	<5	119	129	37	3.78	<0.5		
A0152940		2.25	1	22	6	52	148	46	4.84	<0.5		
A0152941		2.61	1	14	<5	131	133	41	3.74	<0.5		
A0152942		1.65	7	9	5	235	111	65	3.36	0.5		
A0152943		2.41	12	11	<5	148	146	136	4.39	1.6		
A0152944		2.27	4	12	5	99	112	57	4.08	<0.5		
A0152945		2.26	4	13	5	133	99	31	3.01	<0.5		
A0152946		2.36	2	16	6	77	113	35	3.75	<0.5		
A0152947		2.56	1	8	<5	266	62	20	2.01	<0.5		
A0152948		2.15	3	13	<5	94	103	33	3.36	<0.5		
A0152949		2.41	2	13	5	106	123	45	4.55	<0.5		
A0152950		2.31	2	13	<5	92	121	45	4.65	<0.5		
A0152951		2.30	1	12	<5	106	124	47	4.89	<0.5		
A0152952		2.54	7	12	6	245	118	44	4.39	<0.5		
A0152953		1.72	4	12	<5	162	120	45	4.66	<0.5		
A0152954		0.07	56	585	301	4300	4130	108	3.86	1.8		

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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			