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 TB19165917

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 7-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 TB19165917

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
X101779		1.62	<1	1	<5	<1	<1	<1	12.90	<0.5		
X101780		0.07	4470	2020	1320	105	105	77	0.32	1.1		
X101781		2.29	1	26	<5	13	176	43	3.44	<0.5		
X101782		2.39	1	23	<5	21	186	45	3.57	<0.5		
X101783		2.37	1	31	<5	24	155	39	2.99	<0.5		
X101784		2.13	3	22	<5	54	142	36	2.64	<0.5		
X101785		2.10	<1	26	<5	9	152	40	3.06	<0.5		
X101786		2.42	<1	26	<5	15	152	40	2.98	<0.5		
X101787		1.93	1	27	<5	29	151	40	3.07	<0.5		
X101788		1.60	<1	26	<5	14	141	38	2.87	<0.5		
X101789		1.39	<1	24	<5	9	144	37	2.84	<0.5		
X101790		1.35	<1	23	<5	9	157	41	3.28	<0.5		
X101791		2.16	<1	27	<5	8	157	40	3.07	<0.5		
X101792		2.22	1	29	<5	21	156	42	3.11	<0.5		
X101793		2.09	<1	28	<5	8	155	41	3.19	<0.5		
X101794		2.63	1	29	<5	17	158	44	3.25	<0.5		
X101795		2.61	<1	27	<5	15	150	42	3.11	<0.5		
X101796		2.20	<1	22	<5	10	157	44	3.36	<0.5		
X101797		1.78	1	27	<5	10	138	39	2.99	<0.5		
X101798		2.96	<1	24	<5	9	160	42	3.09	<0.5		
X101799		0.07	91	599	305	4440	4400	117	4.03	2.2		
X101800		2.40	<1	24	<5	8	168	42	3.21	<0.5		
X101801		2.18	<1	24	<5	5	161	43	3.08	<0.5		
X101802		2.52	<1	21	<5	5	173	44	3.36	<0.5		
X101803		2.03	<1	19	<5	18	195	50	3.94	<0.5		
X101804		2.55	463	13	<5	31	168	48	3.66	<0.5		
X101805		2.32	<1	14	<5	15	116	32	2.56	<0.5		
X101806		2.27	<1	24	<5	10	154	35	2.87	<0.5		
X101807		2.00	<1	23	<5	8	166	39	3.18	<0.5		
X101808		2.27	<1	35	<5	28	125	31	2.26	<0.5		
X101809		2.21	<1	31	<5	21	113	28	2.00	<0.5		
X101810		2.19	1	24	<5	21	146	35	2.68	<0.5		
X101811		2.11	1	25	<5	26	140	36	2.80	<0.5		
X101812		2.32	<1	26	<5	18	147	37	2.76	<0.5		
X101813		2.15	<1	13	<5	18	209	50	4.07	<0.5		
X101814		2.40	<1	14	<5	14	229	54	4.58	<0.5		
X101815		2.43	<1	13	<5	17	225	53	4.47	<0.5		
X101816		2.44	<1	13	<5	16	218	52	4.14	<0.5		
X101817		2.16	1	14	<5	23	217	50	4.16	<0.5		
X101818		2.25	<1	15	<5	23	222	53	4.19	<0.5		

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THUNDER BAY ON P7B 2R2

Finalized Date: 25-JUL-2019
Account: MZI

Project: 18-101

CERTIFICATE OF ANALYSIS TB19165917

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
X101819		1.95	<1	<1	<5	<1	1	2	13.05	<0.5		
X101820		2.00	1	15	<5	17	217	49	3.71	<0.5		
X101821		2.35	<1	14	<5	19	228	53	4.00	<0.5		
X101822		2.46	<1	13	<5	17	247	58	4.54	<0.5		
X101823		2.29	<1	14	<5	19	242	57	4.45	<0.5		
X101824		2.27	1	13	<5	29	219	51	3.75	<0.5		
X101825		2.12	<1	14	<5	15	219	52	3.91	<0.5		
X101826		2.25	<1	12	<5	13	232	56	4.27	<0.5		
X101827		1.91	<1	13	<5	18	258	62	4.94	<0.5		
X101828		2.21	<1	17	<5	25	138	37	2.46	<0.5		
X101829		2.09	1	18	<5	57	163	42	2.88	<0.5		
X101830		1.98	1	16	<5	49	162	42	2.89	<0.5		
X101831		2.03	<1	27	<5	35	177	46	3.26	<0.5		
X101832		2.06	1	16	<5	19	156	38	2.80	<0.5		
X101833		1.95	6	27	<5	34	116	29	1.99	<0.5		
X101834		2.01	<1	26	<5	14	122	31	2.03	<0.5		
X101835		1.97	1	22	<5	16	140	37	2.27	<0.5		
X101836		2.02	<1	24	<5	15	129	34	2.12	<0.5		
X101837		1.98	<1	19	<5	27	127	35	2.12	<0.5		
X101838		2.01	<1	26	<5	31	119	32	1.98	<0.5		
X101839		0.08	251	3450	802	>10000	>10000	980	3.95	4.1	16350	47200
X101840		1.97	1	27	<5	54	220	34	2.07	<0.5		
X101841		1.97	<1	26	<5	21	120	33	2.01	<0.5		
X101842		1.94	<1	21	<5	17	115	28	2.14	<0.5		
X101843		1.99	<1	23	<5	12	124	31	2.28	<0.5		
X101844		1.96	<1	22	<5	9	128	31	2.40	<0.5		
X101845		2.06	<1	22	<5	12	112	29	2.06	<0.5		
X101846		1.42	<1	20	<5	15	110	27	2.18	<0.5		
X101847		1.69	<1	19	<5	9	110	28	2.10	<0.5		
X101848		1.15	<1	11	<5	11	223	52	4.49	<0.5		
X101849		2.16	<1	11	<5	8	247	56	4.97	<0.5		
X101850		2.12	<1	20	<5	12	192	46	3.78	<0.5		
X101851		2.19	<1	16	<5	6	164	39	3.21	<0.5		
X101852		2.22	<1	19	<5	3	130	31	2.94	<0.5		
X101853		2.17	<1	14	<5	41	117	26	2.41	<0.5		
X101854		2.08	<1	18	<5	9	139	33	2.51	<0.5		
X101855		2.08	<1	16	<5	12	216	50	3.99	<0.5		
X101856		0.07	68	628	306	4270	4100	108	3.79	1.6		

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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			