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: 29-JUL-2019
Account: MZI

CERTIFICATE TB19165918

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 TB19165918

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
X101857		1.16	<1	<1	<5	2	3	2	12.85	<0.5		
X101858		0.07	5010	2050	1320	90	89	62	0.25	0.9		
X101859		2.58	<1	12	<5	12	229	54	4.27	<0.5		
X101860		2.22	<1	12	<5	31	201	47	3.81	<0.5		
X101861		2.30	<1	13	<5	18	214	50	3.92	<0.5		
X101862		2.30	<1	13	<5	13	206	49	3.88	<0.5		
X101863		2.22	<1	14	<5	9	201	48	3.69	<0.5		
X101864		1.25	<1	18	<5	12	117	29	2.05	<0.5		
X101865		1.33	<1	17	<5	12	130	28	2.32	<0.5		
X101866		1.43	1	<1	<5	52	15	35	1.23	<0.5		
X101867		2.39	<1	<1	<5	51	17	32	1.27	<0.5		
X101868		2.31	<1	7	<5	38	70	32	1.91	<0.5		
X101869		2.56	<1	18	<5	10	159	40	2.91	<0.5		
X101870		1.27	<1	2	<5	42	36	30	1.52	<0.5		
X101871		1.34	<1	16	<5	14	127	35	2.44	<0.5		
X101872		1.65	<1	19	<5	12	168	43	3.08	<0.5		
X101873		2.31	<1	22	<5	18	196	48	3.61	<0.5		
X101874		2.22	<1	20	<5	14	193	48	3.61	<0.5		
X101875		2.18	<1	18	<5	15	193	45	3.53	<0.5		
X101876		2.39	<1	18	<5	9	194	48	3.62	<0.5		
X101877		0.07	66	614	312	4570	4370	113	3.83	1.6		
X101878		2.59	<1	19	<5	18	200	48	3.50	<0.5		
X101879		1.91	2	93	<5	22	191	44	3.39	<0.5		
X101880		2.37	<1	21	<5	18	182	44	3.37	<0.5		
X101881		2.21	<1	18	<5	12	171	42	3.21	<0.5		
X101882		2.19	<1	20	<5	11	197	46	3.67	<0.5		
X101883		1.75	<1	18	<5	23	186	45	3.47	<0.5		
X101884		2.65	<1	18	<5	13	156	39	2.87	<0.5		
X101885		2.16	<1	17	<5	11	188	47	3.57	<0.5		
X101886		1.93	<1	18	<5	9	194	48	3.69	<0.5		
X101887		2.17	2	19	<5	10	114	29	2.03	<0.5		
X101888		2.47	<1	20	<5	12	214	54	3.99	<0.5		
X101889		1.96	2	20	<5	8	182	44	3.36	<0.5		
X101890		2.44	<1	18	<5	12	195	48	3.65	<0.5		
X101891		2.24	<1	18	<5	8	183	45	3.38	<0.5		
X101892		2.18	<1	18	<5	5	137	35	2.46	<0.5		
X101893		2.28	<1	28	<5	12	161	39	2.94	<0.5		
X101894		2.75	<1	61	9	61	202	54	4.08	<0.5		
X101895		1.82	<1	58	<5	13	198	44	3.39	<0.5		
X101896		2.26	5	52	5	147	182	45	3.05	<0.5		

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THUNDER BAY ON P7B 2R2

Finalized Date: 29-JUL-2019
Account: MZI

Project: 18-101

CERTIFICATE OF ANALYSIS TB19165918

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
X101897		1.92	<1	<1	<5	1	<1	1	12.95	<0.5		
X101898		2.05	<1	54	<5	24	217	51	3.74	<0.5		
X101899		2.21	1	49	6	51	285	64	5.18	<0.5		
X101900		2.04	<1	55	5	42	237	54	4.12	<0.5		
X101901		2.21	3	66	<5	86	176	41	2.68	<0.5		
X101902		2.52	12	59	20	567	495	119	3.42	<0.5		
X101903		2.09	11	54	19	486	383	79	3.34	<0.5		
X101904		2.28	2	25	6	156	173	56	4.11	<0.5		
X101905		2.11	<1	35	6	118	180	65	4.01	<0.5		
X101906		2.30	62	216	131	536	444	86	6.33	<0.5		
X101907		1.82	11	449	170	62	330	76	6.44	<0.5		
X101908		2.19	3	94	41	401	325	75	4.23	<0.5		
X101909		0.96	3	80	21	338	304	67	4.01	<0.5		
X101910		1.14	4	59	11	229	244	64	4.12	<0.5		
X101911		2.09	25	221	44	315	353	72	4.55	<0.5		
X101912		2.07	2	55	10	128	182	56	4.43	<0.5		
X101913		2.34	1	32	<5	79	150	53	4.31	<0.5		
X101914		2.16	<1	28	<5	48	154	54	4.39	<0.5		
X101915		2.26	<1	35	<5	44	183	56	4.38	<0.5		
X101916		2.13	6	34	5	256	342	64	4.33	<0.5		
X101917		0.08	213	3400	801	>10000	>10000	954	3.87	3.8	16050	46300
X101918		2.14	15	41	12	602	578	79	4.18	<0.5		
X101919		2.01	4	16	6	208	303	52	3.70	<0.5		
X101920		2.20	1	18	<5	39	211	48	3.76	<0.5		
X101921		2.06	1	25	5	42	200	47	3.48	<0.5		
X101922		2.16	5	118	24	280	216	47	4.01	<0.5		
X101923		2.15	1	50	<5	58	175	39	2.79	<0.5		
X101924		2.02	1	47	5	44	147	35	2.42	<0.5		
X101925		2.22	<1	65	7	39	151	38	2.60	<0.5		
X101926		2.27	2	20	<5	136	190	70	3.51	<0.5		
X101927		2.12	<1	36	<5	48	181	44	3.14	<0.5		
X101928		2.17	2	63	8	77	202	48	3.12	<0.5		
X101929		2.01	1	32	<5	74	222	48	3.38	<0.5		
X101930		2.09	2	51	10	95	200	46	2.96	<0.5		
X101931		2.04	2	26	<5	57	226	52	3.98	<0.5		
X101932		2.08	4	37	6	159	269	59	4.06	<0.5		
X101933		2.21	8	66	11	274	370	73	4.99	<0.5		
X101934		0.07	66	611	331	4660	4600	118	4.02	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			