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: 22-JUN-2019
Account: MZI

CERTIFICATE TB19140107

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 9-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 TB19140107

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
A0162021		1.06	<1	1	<5	1	<1	1	13.50	<0.5		
A0162022		0.07	4400	2000	1230	90	88	63	0.26	1.0		
A0162023		2.61	4	151	33	44	238	61	5.07	<0.5		
A0162024		2.63	11	245	52	123	290	65	5.62	<0.5		
A0162025		2.37	8	26	<5	83	264	59	5.15	<0.5		
A0162026		2.81	8	26	<5	112	213	58	4.74	<0.5		
A0162027		2.91	6	71	15	47	235	64	5.31	<0.5		
A0162028		2.74	7	84	16	47	219	51	4.40	<0.5		
A0162029		2.59	14	16	<5	134	258	59	4.80	<0.5		
A0162030		2.83	5	96	16	40	198	48	4.14	<0.5		
A0162031		2.71	4	59	6	97	214	62	4.89	<0.5		
A0162032		2.76	1	11	<5	35	87	28	1.97	0.7		
A0162033		2.66	2	18	<5	45	122	35	2.52	<0.5		
A0162034		2.80	10	110	10	138	184	51	3.32	<0.5		
A0162035		2.76	31	247	34	146	310	63	4.81	<0.5		
A0162036		2.10	22	594	77	87	308	60	4.75	<0.5		
A0162037		3.25	12	69	13	110	256	52	4.01	<0.5		
A0162038		2.15	3	95	7	23	147	35	2.56	<0.5		
A0162039		2.56	1	40	<5	16	115	31	2.07	<0.5		
A0162040		2.61	<1	43	<5	20	113	31	1.87	<0.5		
A0162041		0.06	69	586	300	4540	4360	112	3.86	2.2		
A0162042		2.48	1	48	7	30	128	30	2.13	<0.5		
A0162043		2.44	1	42	<5	25	121	30	2.08	<0.5		
A0162044		2.41	<1	50	<5	28	137	35	2.52	<0.5		
A0162045		2.54	1	47	<5	22	130	32	2.19	<0.5		
A0162046		2.71	1	49	<5	18	129	32	2.37	<0.5		
A0162047		2.30	1	47	<5	32	131	32	2.22	<0.5		
A0162048		2.40	<1	63	<5	21	169	41	3.08	<0.5		
A0162049		2.37	1	65	<5	24	152	39	2.85	<0.5		
A0162050		2.19	2	77	<5	30	137	34	2.46	<0.5		
A0162051		2.50	5	64	10	195	196	52	5.02	<0.5		
A0162052		2.33	5	21	15	143	184	55	7.58	<0.5		
A0162053		2.41	6	32	18	338	199	59	8.47	0.7		
A0162054		2.49	3	16	12	251	164	52	7.06	0.5		
A0162055		2.31	3	42	14	85	133	42	4.96	<0.5		
A0162056		2.21	3	82	7	50	139	36	2.71	<0.5		
A0162057		2.53	4	123	18	52	190	42	3.45	<0.5		
A0162058		2.35	5	111	8	87	151	37	2.62	<0.5		
A0162059		2.18	9	488	39	52	252	42	4.03	<0.5		
A0162060		2.38	42	1290	183	159	353	57	4.93	<0.5		

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Finalized Date: 22-JUN-2019
Account: MZI

Project: 18-101

CERTIFICATE OF ANALYSIS TB19140107

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
A0162061		1.78	1	<1	<5	1	1	1	13.70	<0.5		
A0162062		2.33	51	837	109	202	329	51	3.90	<0.5		
A0162063		2.26	43	955	175	281	435	49	3.75	<0.5		
A0162064		2.32	5	108	18	62	182	35	3.02	<0.5		
A0162065		2.31	6	101	12	51	204	41	3.13	<0.5		
A0162066		2.31	4	70	7	48	190	37	2.76	<0.5		
A0162067		2.27	6	52	7	41	189	36	2.69	<0.5		
A0162068		2.20	11	67	9	24	245	45	3.64	<0.5		
A0162069		2.49	14	73	8	22	250	46	3.62	<0.5		
A0162070		2.37	31	82	10	19	260	45	3.67	<0.5		
A0162071		2.29	24	74	7	20	227	41	3.23	<0.5		
A0162072		2.41	3	67	9	28	198	37	2.82	<0.5		
A0162073		2.17	3	76	15	26	220	42	3.30	<0.5		
A0162074		1.96	1	111	36	23	171	36	2.64	<0.5		
A0162075		2.10	3	95	34	23	179	38	2.97	<0.5		
A0162076		2.24	4	63	15	20	161	34	2.58	<0.5		
A0162077		1.96	5	78	29	17	167	36	2.66	<0.5		
A0162078		2.18	4	58	20	20	169	36	2.68	<0.5		
A0162079		2.02	3	71	16	30	171	37	2.74	<0.5		
A0162080		2.02	3	73	13	30	164	34	2.61	<0.5		
A0162081		0.08	217	3320	790	>10000	>10000	891	3.79	3.5	16250	46500
A0162082		2.07	2	67	14	41	185	38	2.65	<0.5		
A0162083		2.19	1	60	13	28	165	34	2.62	<0.5		
A0162084		2.15	1	84	36	17	226	45	3.73	<0.5		
A0162085		2.26	3	31	15	78	199	60	5.34	<0.5		
A0162086		2.04	1	45	13	22	159	34	2.59	<0.5		
A0162087		2.02	1	52	10	23	127	28	2.08	<0.5		
A0162088		2.17	<1	58	10	20	121	26	1.94	<0.5		
A0162089		1.99	<1	66	9	21	153	33	2.67	<0.5		
A0162090		1.95	1	69	8	16	138	30	2.31	<0.5		
A0162091		2.14	1	93	12	24	129	31	2.11	<0.5		
A0162092		2.00	<1	77	10	14	137	31	2.39	<0.5		
A0162093		1.97	1	76	8	16	162	36	2.86	<0.5		
A0162094		2.10	1	83	11	20	161	37	2.77	<0.5		
A0162095		2.03	<1	68	20	11	118	26	1.89	<0.5		
A0162096		2.06	1	62	<5	22	124	29	2.02	<0.5		
A0162097		2.02	1	61	5	27	134	30	2.12	<0.5		
A0162098		0.07	65	595	305	4400	4260	111	3.94	2.1		

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CERTIFICATE OF ANALYSIS TB19140107

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			