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: 31-JAN-2019
Account: MZI

CERTIFICATE TB19015515

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 21-JAN-2019.

The following have access to data associated with this certificate:

KAITLYN CHOVANCAK CLAIRE MCGUINNESS LDIM WEBTRIEVE	DENIS DECHARTE DAVE PECK	GARY DESCHUTTER KATHRYN STINSON

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 TB19015515

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
A0125001		2.31	<1	<1	<5	1	4	<1	13.30	<0.5		
A0125002		0.08	4060	1980	1280	86	85	62	0.26	0.8		
A0125003		2.50	237	745	87	813	944	57	4.33	<0.5		
A0125004		2.71	43	153	24	228	337	48	4.64	<0.5		
A0125005		2.80	28	139	20	147	325	51	4.82	<0.5		
A0125006		2.66	44	358	26	322	327	49	4.63	<0.5		
A0125007		3.02	29	35	11	110	206	45	4.42	<0.5		
A0125008		3.19	11	28	10	114	217	50	4.53	<0.5		
A0125009		3.59	9	32	7	94	187	43	3.99	<0.5		
A0125010		1.97	13	86	5	83	65	11	1.03	<0.5		
A0125011		2.19	26	151	10	227	95	14	0.86	<0.5		
A0125012		2.57	46	452	38	266	266	19	1.28	<0.5		
A0125013		2.52	34	762	52	161	213	19	1.31	<0.5		
A0125014		2.37	25	229	21	196	126	19	1.43	<0.5		
A0125015		2.49	72	667	53	252	298	32	3.56	<0.5		
A0125016		2.13	7	49	<5	63	262	37	5.49	<0.5		
A0125017		2.02	3	8	<5	52	20	11	1.05	<0.5		
A0125018		1.91	<1	<1	<5	18	8	9	0.94	<0.5		
A0125019		1.82	2	<1	<5	63	25	15	1.16	<0.5		
A0125020		2.06	6	223	12	102	73	13	0.95	<0.5		
A0125021		0.07	102	617	320	4550	4330	115	4.00	1.5		
A0125022		1.94	3	1	<5	83	23	13	1.09	<0.5		
A0125023		1.94	1	13	<5	32	16	11	1.25	<0.5		
A0125024		2.02	6	56	<5	165	39	21	1.31	<0.5		
A0125025		1.93	7	275	19	107	72	14	1.13	<0.5		
A0125026		2.03	2	3	<5	225	23	17	0.97	<0.5		
A0125027		1.91	6	107	7	425	52	25	0.82	<0.5		
A0125028		1.95	6	84	6	331	41	18	0.92	<0.5		
A0125029		1.94	4	124	11	135	32	19	1.07	<0.5		
A0125030		2.23	2	<1	<5	66	16	16	1.09	<0.5		
A0125031		2.26	1	<1	<5	37	150	50	4.62	<0.5		
A0125032		1.60	2	<1	<5	36	59	20	2.33	<0.5		
A0125033		2.29	9	224	17	89	103	25	2.36	<0.5		
A0125034		2.02	9	129	10	59	78	19	2.03	<0.5		
A0125035		2.25	6	1	<5	53	125	46	4.12	<0.5		
A0125036		2.09	1	<1	<5	63	154	51	4.36	<0.5		
A0125037		2.43	1	<1	<5	67	134	44	3.87	<0.5		
A0125038		1.53	5	<1	<5	118	156	52	4.54	<0.5		
A0125039		1.79	2	3	<5	82	174	51	4.87	<0.5		
A0125040		2.07	4	39	<5	107	187	49	4.47	<0.5		

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THUNDER BAY ON P7B 2R2

Finalized Date: 31-JAN-2019
Account: MZI

Project: 18-101

CERTIFICATE OF ANALYSIS TB19015515

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
A0125041		1.73	1	<1	<5	1	2	<1	13.50	<0.5		
A0125042		1.45	8	36	<5	101	176	49	4.87	<0.5		
A0125043		1.47	9	47	<5	115	178	46	4.74	<0.5		
A0125044		2.31	6	8	<5	92	179	47	4.55	<0.5		
A0125045		2.24	9	14	<5	160	223	53	5.04	<0.5		
A0125046		2.13	5	6	<5	118	203	50	5.01	<0.5		
A0125047		2.42	5	14	<5	113	213	49	5.18	<0.5		
A0125048		2.15	3	<1	<5	141	242	52	5.21	<0.5		
A0125049		2.30	32	590	38	187	252	45	4.78	<0.5		
A0125050		2.50	9	40	<5	106	228	43	4.95	<0.5		
A0125051		2.63	136	1200	95	558	537	51	4.72	<0.5		
A0125052		2.53	280	2410	206	1250	896	66	4.62	<0.5		
A0125053		1.96	68	329	26	224	336	51	4.82	<0.5		
A0125054		1.78	13	10	<5	104	218	43	4.97	<0.5		
A0125055		2.25	5	3	<5	79	219	48	5.07	<0.5		
A0125056		2.15	12	113	<5	208	358	61	5.65	<0.5		
A0125057		2.06	2	<1	<5	98	240	50	5.66	<0.5		
A0125058		1.42	9	19	<5	88	192	47	4.97	<0.5		
A0125059		1.62	3	26	<5	115	232	51	5.33	<0.5		
A0125060		1.81	4	1	<5	192	229	54	5.36	<0.5		
A0125061		0.08	250	3370	787	>10000	>10000	957	3.99	3.7	16100	45500
A0125062		1.63	2	<1	<5	88	236	49	5.00	<0.5		
A0125063		2.04	3	56	<5	109	210	51	4.70	<0.5		
A0125064		2.14	<1	10	<5	95	188	46	4.92	<0.5		
A0125065		1.99	1	17	<5	99	200	49	4.91	<0.5		
A0125066		2.08	1	2	<5	78	186	48	5.06	<0.5		
A0125067		2.10	<1	<1	<5	79	192	48	5.23	<0.5		
A0125068		2.16	2	<1	<5	99	176	52	4.91	<0.5		
A0125069		2.20	<1	3	<5	90	180	49	4.93	<0.5		
A0125070		2.08	2	<1	<5	100	179	49	5.02	<0.5		
A0125071		2.20	<1	1	<5	76	190	46	4.59	<0.5		
A0125072		2.03	1	<1	<5	73	177	46	4.72	<0.5		
A0125073		2.01	2	3	<5	100	189	51	5.05	<0.5		
A0125074		2.04	1	<1	<5	124	175	52	4.70	<0.5		
A0125075		2.25	3	27	<5	117	182	53	4.91	<0.5		
A0125076		2.07	<1	<1	<5	80	167	50	4.57	<0.5		
A0125077		2.10	2	7	<5	135	219	54	4.84	<0.5		
A0125078		0.07	54	614	329	4380	4220	112	3.94	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			