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: 13-AUG-2019
Account: MZI

CERTIFICATE TB19183341

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 25-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 TB19183341

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
A0154047		1.52	<1	<1	<5	1	3	3	13.50	<0.5		
A0154048		0.07	4690	2050	1350	86	80	58	0.24	1.2		
A0154049		2.33	7	85	42	96	225	35	3.68	<0.5		
A0154050		2.63	13	127	50	121	279	34	3.62	<0.5		
A0154051		2.49	112	370	97	688	702	49	4.05	<0.5		
A0154052		2.50	35	229	75	301	379	41	4.01	<0.5		
A0154053		2.42	30	177	54	362	435	45	4.20	<0.5		
A0154054		2.53	18	221	60	179	287	38	3.94	<0.5		
A0154055		2.35	12	107	42	123	259	38	3.99	<0.5		
A0154056		2.51	16	142	44	137	249	37	3.86	<0.5		
A0154057		2.45	13	115	40	136	244	37	3.68	<0.5		
A0154058		2.41	22	154	52	148	258	37	3.84	<0.5		
A0154059		2.49	12	130	45	121	258	38	4.00	<0.5		
A0154060		2.36	13	81	35	153	300	41	4.25	<0.5		
A0154061		2.51	12	116	41	133	275	41	4.35	<0.5		
A0154062		2.21	16	218	50	165	309	40	4.02	<0.5		
A0154063		2.49	10	129	40	112	245	32	3.27	<0.5		
A0154064		2.38	13	160	43	151	267	39	3.98	<0.5		
A0154065		2.72	9	101	43	122	253	37	3.71	<0.5		
A0154066		2.50	6	85	40	102	245	37	3.88	<0.5		
A0154067		0.07	69	589	285	4510	4430	116	4.02	2.0		
A0154068		2.30	6	114	43	91	247	38	3.86	<0.5		
A0154069		2.42	5	73	35	114	203	40	3.53	<0.5		
A0154070		2.47	8	93	43	107	223	37	3.60	<0.5		
A0154071		2.34	56	227	49	471	427	45	4.16	<0.5		
A0154072		2.43	10	171	39	113	321	40	3.80	<0.5		
A0154073		2.48	10	119	44	86	235	37	3.90	<0.5		
A0154074		2.59	17	186	50	142	260	38	3.71	<0.5		
A0154075		2.59	40	186	55	264	341	38	3.68	<0.5		
A0154076		2.55	10	110	50	114	231	36	3.58	<0.5		
A0154077		2.28	5	81	47	66	210	34	3.59	<0.5		
A0154078		2.61	16	184	60	128	285	37	3.61	<0.5		
A0154079		2.50	24	231	63	158	268	37	3.72	<0.5		
A0154080		2.62	17	179	58	159	295	36	3.64	<0.5		
A0154081		2.64	7	113	48	119	235	37	3.59	<0.5		
A0154082		2.24	8	185	54	106	249	36	3.80	<0.5		
A0154083		2.65	12	208	62	146	285	36	3.66	<0.5		
A0154084		2.44	8	92	47	138	231	34	3.31	<0.5		
A0154085		2.65	20	171	55	212	301	33	3.21	<0.5		
A0154086		2.06	33	478	73	426	383	42	3.38	<0.5		

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CERTIFICATE OF ANALYSIS TB19183341

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
A0154087		1.31	<1	<1	<5	2	3	1	12.70	<0.5		
A0154088		3.64	20	140	55	218	287	36	3.47	<0.5		
A0154089		1.39	134	669	132	975	786	45	3.25	0.5		
A0154090		2.30	237	1370	228	1510	1260	54	2.88	0.8		
A0154091		2.62	116	771	134	1070	918	49	2.89	0.7		
A0154092		2.51	73	816	128	761	821	53	3.00	<0.5		
A0154093		2.89	84	928	150	899	1035	58	3.83	0.7		
A0154094		2.17	83	1060	141	717	869	52	3.97	0.7		
A0154095		2.44	120	1310	106	976	896	53	3.65	0.5		
A0154096		2.48	174	1580	157	1000	1050	56	3.66	0.6		
A0154097		2.50	141	810	93	810	788	54	3.81	0.5		
A0154098		2.46	297	1880	173	1600	1245	49	2.38	0.8		
A0154099		2.46	214	1470	135	1440	1260	64	3.65	0.9		
A0154100		2.05	76	586	52	458	442	50	4.12	<0.5		
A0154101		2.12	229	1580	143	1090	994	59	3.64	0.6		
A0154102		1.97	114	1050	88	680	639	48	3.48	0.6		
A0154103		2.21	86	860	77	950	687	40	2.42	0.8		
A0154104		2.13	98	740	66	611	437	36	1.62	0.5		
A0154105		1.85	10	71	7	209	98	30	2.10	<0.5		
A0154106		2.13	47	250	34	291	287	37	2.72	<0.5		
A0154107		0.12	267	3480	828	>10000	>10000	1000	3.94	4.4	15900	45200
A0154108		2.04	141	811	69	715	623	52	3.79	<0.5		
A0154109		2.15	47	291	27	332	320	52	4.33	<0.5		
A0154110		2.19	12	68	8	132	222	46	4.24	<0.5		
A0154111		2.17	14	89	10	224	304	51	4.56	<0.5		
A0154112		2.08	10	32	6	116	233	44	4.14	<0.5		
A0154113		1.92	13	61	8	163	236	45	4.03	<0.5		
A0154114		2.06	15	30	<5	192	210	45	3.96	<0.5		
A0154115		1.53	34	161	20	300	325	49	4.09	<0.5		
A0154116		2.33	133	390	81	946	825	75	5.56	<0.5		
A0154117		2.47	66	197	42	585	615	73	6.17	0.5		
A0154118		2.15	58	359	33	390	477	64	5.58	<0.5		
A0154119		2.10	94	679	59	535	614	65	5.73	<0.5		
A0154120		2.35	65	440	56	396	536	68	6.53	<0.5		
A0154121		2.08	47	144	34	347	476	69	6.78	<0.5		
A0154122		1.85	99	277	58	468	570	64	5.93	<0.5		
A0154123		1.91	16	53	11	118	218	54	4.35	<0.5		
A0154124		0.07	79	629	297	4690	5110	128	3.99	2.2		

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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			