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-JUN-2019
Account: MZI

CERTIFICATE TB19140106

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 TB19140106

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
A0161943		1.27	1	<1	<5	2	1	2	13.40	<0.5		
A0161944		0.08	5320	2010	1280	87	86	62	0.26	0.9		
A0161945		2.71	22	52	21	745	543	127	8.48	0.6		
A0161946		2.00	29	367	65	588	430	82	6.08	0.7		
A0161947		2.39	65	546	89	1585	932	122	4.76	0.9		
A0161948		3.06	5	30	8	237	121	58	5.50	<0.5		
A0161949		2.96	<1	1	<5	134	73	53	5.22	<0.5		
A0161950		3.18	2	3	<5	155	123	57	5.39	<0.5		
A0161951		2.51	3	1	<5	176	135	60	5.33	<0.5		
A0161952		2.64	7	3	<5	224	123	53	4.24	<0.5		
A0161953		2.23	7	3	<5	216	194	53	4.16	<0.5		
A0161954		2.24	7	11	5	215	211	57	4.58	<0.5		
A0161955		2.86	4	13	<5	199	143	52	3.47	<0.5		
A0161956		3.51	1	1	<5	89	140	52	4.02	<0.5		
A0161957		3.07	2	1	<5	130	93	62	4.43	0.5		
A0161958		3.27	2	3	<5	186	94	60	5.19	<0.5		
A0161959		2.92	<1	<1	<5	57	118	49	5.01	<0.5		
A0161960		2.86	1	<1	<5	83	88	51	4.96	<0.5		
A0161961		2.70	1	1	<5	174	107	56	5.49	<0.5		
A0161962		2.96	<1	3	<5	98	163	55	5.63	<0.5		
A0161963		0.07	89	596	310	4500	4410	115	4.03	2.2		
A0161964		2.99	3	9	<5	227	192	61	5.70	<0.5		
A0161965		2.86	9	34	<5	317	311	70	6.53	0.7		
A0161966		2.79	2	7	<5	136	161	51	5.29	<0.5		
A0161967		2.44	7	2	<5	113	160	49	5.08	<0.5		
A0161968		3.14	4	15	<5	197	152	53	4.41	<0.5		
A0161969		2.32	27	113	22	576	459	78	5.07	0.7		
A0161970		2.38	17	126	23	333	305	62	4.61	<0.5		
A0161971		2.42	22	130	22	332	363	65	5.12	0.5		
A0161972		2.54	44	184	36	526	391	67	4.87	<0.5		
A0161973		2.34	209	818	119	1540	917	88	5.00	1.1		
A0161974		2.12	274	944	132	1650	1205	83	4.97	1.0		
A0161975		1.71	167	567	85	999	810	74	4.81	0.6		
A0161976		1.62	98	279	42	643	555	71	4.77	0.5		
A0161977		1.61	74	317	53	674	526	71	4.79	<0.5		
A0161978		2.37	235	411	59	1195	676	81	5.31	1.1		
A0161979		2.53	129	392	59	812	603	82	5.25	0.6		
A0161980		2.27	126	372	63	1015	734	99	5.96	0.6		
A0161981		2.43	112	746	108	1000	733	87	5.52	0.7		
A0161982		2.34	120	323	56	1220	704	87	5.06	0.8		

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Finalized Date: 25-JUN-2019
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Project: 18-101

CERTIFICATE OF ANALYSIS TB19140106

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
A0161983		1.41	<1	2	<5	5	2	1	13.50	<0.5		
A0161984		2.23	37	172	26	421	397	68	5.45	<0.5		
A0161985		2.26	106	539	79	1380	815	111	5.99	0.7		
A0161986		2.41	43	221	33	612	434	73	4.68	0.5		
A0161987		2.26	22	89	20	405	305	70	5.36	0.5		
A0161988		2.29	5	30	21	226	162	59	5.87	0.5		
A0161989		2.46	8	63	23	332	259	69	5.51	0.5		
A0161990		2.32	24	147	28	655	345	84	5.78	0.5		
A0161991		2.39	16	113	15	192	288	50	3.70	<0.5		
A0161992		2.18	27	330	32	494	294	56	3.40	<0.5		
A0161993		2.49	42	226	37	827	502	86	4.64	0.5		
A0161994		2.37	85	623	84	979	1320	71	3.87	<0.5		
A0161995		2.26	15	48	13	434	243	77	5.91	<0.5		
A0161996		2.25	14	83	17	368	189	68	5.23	0.5		
A0161997		2.10	17	65	13	381	220	64	5.67	<0.5		
A0161998		2.25	37	172	28	745	575	76	4.05	0.6		
A0161999		2.21	41	145	23	1055	651	93	4.57	0.6		
A0162000		2.26	27	150	21	897	546	89	4.22	0.5		
A0162001		2.27	52	170	27	1075	658	101	4.04	0.6		
A0162002		2.28	28	109	16	730	477	86	4.64	0.5		
A0162003		0.08	263	3440	804	>10000	>10000	956	4.02	4.2	15700	44200
A0162004		2.20	37	131	20	939	599	94	4.82	0.5		
A0162005		2.11	28	101	19	1025	693	101	4.48	0.6		
A0162006		2.24	18	103	22	692	486	87	4.79	0.5		
A0162007		2.27	23	126	20	569	450	78	4.62	<0.5		
A0162008		2.07	10	92	13	222	215	38	2.32	<0.5		
A0162009		2.05	12	119	20	218	229	40	2.33	<0.5		
A0162010		2.06	8	59	8	115	176	41	2.88	<0.5		
A0162011		2.14	4	55	8	117	176	48	3.59	<0.5		
A0162012		2.31	3	62	11	62	146	44	3.57	<0.5		
A0162013		2.13	1	42	6	39	115	29	2.04	<0.5		
A0162014		2.31	3	14	<5	73	111	34	2.64	<0.5		
A0162015		2.13	3	35	<5	200	225	54	3.93	<0.5		
A0162016		2.20	2	5	<5	44	111	37	2.77	<0.5		
A0162017		2.20	1	43	<5	27	183	54	4.82	<0.5		
A0162018		2.21	3	95	8	30	236	61	5.87	<0.5		
A0162019		2.14	4	150	26	38	181	47	4.34	<0.5		
A0162020		0.07	72	594	305	4470	4390	114	4.06	2.1		

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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			