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-JAN-2019
Account: MZI

CERTIFICATE TB19011695

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 16-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 TB19011695

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
X094774		2.15	1	1	<5	3	<1	<1	12.90	<0.5		
X094775		0.08	5080	2070	1300	89	83	62	0.26	0.7		
X094776		2.86	21	24	<5	286	345	46	4.29	<0.5		
X094777		2.12	21	138	15	363	350	47	4.92	<0.5		
X094778		2.71	9	61	9	200	310	50	5.52	<0.5		
X094779		2.37	4	22	5	195	330	50	5.08	<0.5		
X094780		2.58	18	55	9	354	530	75	9.06	<0.5		
X094781		2.47	12	76	11	366	562	79	9.54	<0.5		
X094782		2.73	24	71	9	758	952	98	9.32	<0.5		
X094783		2.52	13	12	<5	648	842	91	9.15	<0.5		
X094784		2.64	8	26	5	253	404	56	5.45	<0.5		
X094785		2.58	49	12	<5	579	794	80	8.52	<0.5		
X094786		2.62	36	81	12	538	653	79	8.56	<0.5		
X094787		2.62	5	29	<5	221	413	65	7.19	<0.5		
X094788		2.57	4	22	<5	147	306	49	5.66	<0.5		
X094789		2.47	1	33	6	155	375	54	6.58	<0.5		
X094790		2.46	7	135	15	205	314	48	5.09	<0.5		
X094791		2.49	3	50	5	207	341	51	6.42	<0.5		
X094792		2.41	1	5	<5	158	352	47	6.23	<0.5		
X094793		2.63	13	173	17	687	561	68	7.25	0.5		
X094794		0.08	54	642	311	4600	4400	115	4.09	1.7		
X094795		2.66	3	5	<5	174	443	75	9.46	<0.5		
X094796		2.51	5	6	<5	205	381	60	6.73	<0.5		
X094797		2.60	1	<1	<5	85	266	51	6.02	<0.5		
X094798		2.46	1	<1	<5	80	253	42	4.93	<0.5		
X094799		2.42	2	3	<5	117	317	49	6.27	<0.5		
X094800		2.48	4	19	<5	183	306	49	5.62	<0.5		
X094801		2.60	7	14	<5	318	422	62	6.97	<0.5		
X094802		2.68	14	35	5	342	459	63	6.82	<0.5		
X094803		2.64	5	96	15	160	473	64	7.78	<0.5		
X094804		2.68	4	81	6	141	474	73	9.34	<0.5		
X094805		2.64	5	35	7	172	519	80	10.30	<0.5		
X094806		2.63	6	3	<5	159	426	65	7.91	<0.5		
X094807		2.70	20	205	17	342	530	63	6.10	<0.5		
X094808		2.54	1	4	<5	128	364	66	8.34	<0.5		
X094809		2.63	4	13	<5	144	377	66	8.45	<0.5		
X094810		2.72	9	2	<5	294	309	55	4.88	<0.5		
X094811		2.51	7	4	<5	373	585	77	8.55	<0.5		
X094812		2.51	8	3	<5	277	525	74	9.00	<0.5		
X094813		2.61	9	171	17	227	543	68	7.79	<0.5		

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CERTIFICATE OF ANALYSIS TB19011695

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
X094814		2.15	<1	1	<5	2	3	<1	13.10	<0.5		
X094815		2.59	3	2	<5	135	383	63	7.95	<0.5		
X094816		2.57	2	<1	<5	138	374	58	7.38	<0.5		
X094817		2.35	3	58	7	136	350	58	7.45	<0.5		
X094818		2.17	2	16	<5	142	284	45	5.27	<0.5		
X094819		2.36	9	17	5	189	291	47	4.73	<0.5		
X094820		2.50	6	22	<5	172	297	52	5.32	<0.5		
X094821		2.34	5	7	<5	174	300	57	5.60	<0.5		
X094822		2.23	4	6	<5	101	210	40	4.22	<0.5		
X094823		2.42	10	39	<5	159	207	35	3.74	<0.5		
X094824		1.87	16	100	13	179	222	38	3.92	<0.5		
X094825		1.71	14	198	18	191	287	39	3.79	<0.5		
X094826		2.17	4	67	5	172	379	74	6.94	<0.5		
X094827		2.56	10	107	8	208	342	61	5.81	<0.5		
X094828		2.51	1	5	<5	136	277	59	5.25	<0.5		
X094829		1.82	4	7	<5	264	307	67	5.42	<0.5		
X094830		2.46	2	2	<5	252	262	61	4.68	<0.5		
X094831		2.28	1	<1	<5	83	231	49	5.00	<0.5		
X094832		2.29	16	241	20	253	301	49	5.14	<0.5		
X094833		2.21	5	40	<5	117	226	50	5.33	<0.5		
X094834		0.08	253	3480	813	>10000	>10000	960	4.07	4.0	15900	44900
X094835		2.48	7	45	7	263	357	45	4.78	<0.5		
X094836		2.32	13	67	8	430	542	54	5.86	<0.5		
X094837		2.22	5	33	10	484	507	63	5.73	<0.5		
X094838		2.35	4	46	<5	251	329	61	5.80	<0.5		
X094839		2.50	4	4	<5	334	474	75	6.87	<0.5		
X094840		3.52	33	182	66	384	550	74	7.88	<0.5		
X094841		2.05	9	2	<5	294	353	60	5.15	<0.5		
X094842		2.25	9	1	<5	192	308	55	5.12	<0.5		
X094843		2.30	4	6	<5	145	281	50	5.48	<0.5		
X094844		1.97	3	10	<5	122	280	58	6.63	<0.5		
X094845		2.40	6	33	6	176	288	51	5.56	<0.5		
X094846		2.31	16	82	5	156	309	50	5.93	<0.5		
X094847		2.33	4	3	<5	368	485	58	6.22	<0.5		
X094848		2.39	5	14	<5	545	711	78	6.26	<0.5		
X094849		2.39	4	29	5	150	399	74	8.91	<0.5		
X094850		2.47	6	69	<5	138	399	70	9.14	<0.5		
X094851		0.08	73	623	337	4500	4310	113	3.96	1.7		

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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			