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: 12-SEP-2019
Account: MZI

CERTIFICATE TB19219489

Project: EMB

P.O. No.: 218459

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 23-AUG-2019.

The following have access to data associated with this certificate:

KAITLYN CHOVANCAK	DENIS DECHARTE	JILL MAXWELL
CLAIRE MCGUINNESS	DAVE PECK	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 TB19219489

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
AC19-101093		1.28	2	<1	<5	3	<1	2	14.20	<0.5		
AC19-101094		0.07	4980	2040	1320	89	86	64	0.27	1.3		
AC19-101095		2.57	20	233	40	277	511	68	7.45	0.5		
AC19-101096		2.47	16	49	20	188	407	59	6.67	<0.5		
AC19-101097		2.61	52	439	129	597	678	55	5.51	0.6		
AC19-101098		2.46	15	236	57	341	437	51	5.44	0.6		
AC19-101099		2.54	11	375	111	288	542	67	7.27	0.5		
AC19-101100		2.62	9	235	42	202	464	58	6.52	0.7		
AC19-101101		2.56	11	309	71	252	515	64	7.41	0.7		
AC19-101102		2.98	10	633	176	313	589	78	9.54	0.8		
AC19-101103		2.51	8	345	59	171	629	85	11.00	0.5		
AC19-101104		2.67	9	536	90	112	603	85	11.10	<0.5		
AC19-101105		2.55	11	197	52	156	389	53	6.44	<0.5		
AC19-101106		2.53	5	231	55	73	352	48	5.77	0.5		
AC19-101107		2.81	4	93	63	68	171	30	3.07	<0.5		
AC19-101108		2.34	15	259	76	216	619	54	5.88	0.6		
AC19-101109		2.78	26	62	25	246	485	52	6.02	0.5		
AC19-101110		2.65	27	33	32	263	413	50	5.86	0.6		
AC19-101111		2.71	41	128	46	373	605	55	5.99	0.6		
AC19-101112		2.65	31	349	106	420	648	58	6.03	0.6		
AC19-101113		0.07	65	610	269	4570	4380	114	3.97	2.3		
AC19-101114		2.89	19	205	34	270	425	55	5.91	0.5		
AC19-101115		2.52	16	415	78	208	557	61	7.48	<0.5		
AC19-101116		2.50	36	665	131	371	654	62	7.34	<0.5		
AC19-101117		2.60	18	243	47	205	454	46	5.38	<0.5		
AC19-101118		2.73	19	420	62	192	587	64	8.39	<0.5		
AC19-101119		2.08	13	354	70	104	538	65	9.04	<0.5		
AC19-101120		2.08	29	458	86	139	602	77	11.05	<0.5		
AC19-101121		2.16	8	547	84	78	557	66	9.82	<0.5		
AC19-101122		2.25	10	322	70	390	726	71	8.31	<0.5		
AC19-101123		2.10	12	103	28	254	346	54	5.99	<0.5		
AC19-101124		2.06	23	123	27	281	431	60	6.32	<0.5		
AC19-101125		1.99	19	105	21	214	418	59	6.49	<0.5		
AC19-101126		2.00	44	378	65	477	618	62	5.84	<0.5		
AC19-101127		2.04	21	96	20	198	339	52	5.56	<0.5		
AC19-101128		2.22	43	183	31	421	441	58	6.17	<0.5		
AC19-101129		1.92	20	431	67	186	654	85	10.80	<0.5		
AC19-101130		2.04	15	337	68	98	633	80	11.05	<0.5		
AC19-101131		2.08	9	304	63	86	605	78	10.80	<0.5		
AC19-101132		1.89	24	495	71	331	781	84	10.75	<0.5		

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CERTIFICATE OF ANALYSIS TB19219489

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
AC19-101133		1.82	<1	2	<5	1	6	<1	13.15	<0.5		
AC19-101134		2.07	22	493	120	148	567	75	9.78	<0.5		
AC19-101135		2.08	26	286	53	166	394	51	6.37	<0.5		
AC19-101136		1.95	75	351	35	384	485	48	5.70	<0.5		
AC19-101137		2.00	18	82	25	115	330	45	5.74	<0.5		
AC19-101138		2.01	42	182	28	303	511	54	6.02	<0.5		
AC19-101139		2.10	22	67	19	164	367	45	5.59	<0.5		
AC19-101140		1.97	19	139	25	177	408	52	6.64	<0.5		
AC19-101141		2.19	18	345	94	120	689	83	12.10	<0.5		
AC19-101142		2.11	19	363	93	130	642	78	11.20	<0.5		
AC19-101143		2.18	29	431	86	228	628	74	9.62	<0.5		
AC19-101144		2.02	18	310	63	221	578	69	9.09	<0.5		
AC19-101145		2.39	10	164	41	120	390	49	6.60	<0.5		
AC19-101146		2.41	5	184	52	95	492	65	8.80	<0.5		
AC19-101147		2.21	6	208	55	127	516	68	9.29	<0.5		
AC19-101148		2.34	8	216	53	140	521	68	9.21	<0.5		
AC19-101149		2.07	14	231	61	200	570	69	9.09	<0.5		
AC19-101150		2.10	6	170	47	111	469	63	8.67	<0.5		
AC19-101151		2.15	6	147	38	148	403	62	7.12	<0.5		
AC19-101152		2.12	5	209	56	125	508	71	9.03	<0.5		
AC19-101153		0.08	240	3350	786	>10000	>10000	943	3.87	4.3	15800	45300
AC19-101154		2.10	5	195	53	114	529	70	8.98	<0.5		
AC19-101155		2.30	3	196	51	107	489	66	8.62	<0.5		
AC19-101156		2.11	6	189	47	123	500	66	8.78	<0.5		
AC19-101157		2.07	10	226	51	132	489	64	8.39	<0.5		
AC19-101158		2.02	9	168	45	103	456	60	7.79	<0.5		
AC19-101159		2.28	9	117	32	170	417	57	6.95	<0.5		
AC19-101160		2.26	6	162	43	95	430	60	7.47	<0.5		
AC19-101161		2.27	10	155	39	115	456	62	7.81	0.5		
AC19-101162		2.05	7	103	32	122	310	49	5.43	<0.5		
AC19-101163		2.08	93	703	90	631	567	59	5.85	0.6		
AC19-101164		2.04	28	320	60	175	438	47	5.53	<0.5		
AC19-101165		2.07	27	191	37	199	414	48	5.79	<0.5		
AC19-101166		2.18	24	194	48	294	559	57	5.55	<0.5		
AC19-101167		1.97	38	272	67	601	579	61	4.84	0.8		
AC19-101168		2.36	25	361	58	347	502	56	5.41	0.6		
AC19-101169		2.12	83	596	87	615	631	61	5.57	1.0		
AC19-101170		0.07	79	617	316	4530	4360	115	3.98	2.5		

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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			