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: 23-AUG-2019
Account: MZI

CERTIFICATE TB19194570

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 7-AUG-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 TB19194570

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
AC19-100859		1.26	<1	1	<5	3	2	<1	13.80	<0.5		
AC19-100860		0.07	4950	2010	1280	87	87	66	0.27	1.1		
AC19-100861		2.23	15	78	22	236	489	79	7.53	<0.5		
AC19-100862		2.37	17	101	22	134	339	52	5.26	<0.5		
AC19-100863		2.32	29	259	39	267	421	61	5.75	<0.5		
AC19-100864		2.46	12	59	18	99	290	44	5.24	<0.5		
AC19-100865		2.49	7	43	12	50	279	43	5.17	<0.5		
AC19-100866		2.66	17	141	29	234	439	63	6.21	2.1		
AC19-100867		2.48	25	160	25	159	286	44	4.66	<0.5		
AC19-100868		2.34	42	625	56	322	457	45	4.80	<0.5		
AC19-100869		2.49	71	543	51	327	431	45	4.20	<0.5		
AC19-100870		2.52	11	58	17	84	252	43	4.66	<0.5		
AC19-100871		2.36	51	511	37	413	404	55	4.99	<0.5		
AC19-100872		2.35	34	42	16	247	273	46	4.95	<0.5		
AC19-100873		2.46	52	115	22	348	370	48	5.14	<0.5		
AC19-100874		2.57	21	87	23	204	325	51	5.44	<0.5		
AC19-100875		2.52	15	39	10	188	261	48	5.32	<0.5		
AC19-100876		2.55	8	31	8	108	252	48	5.18	<0.5		
AC19-100877		2.64	8	86	9	120	275	48	5.05	<0.5		
AC19-100878		2.48	12	30	10	120	255	46	5.11	<0.5		
AC19-100879		0.07	97	595	305	4490	4310	114	3.97	2.0		
AC19-100880		2.33	18	127	17	190	310	51	5.30	<0.5		
AC19-100881		2.56	8	24	10	126	263	50	5.34	<0.5		
AC19-100882		2.50	15	68	12	128	289	51	5.54	<0.5		
AC19-100883		2.61	28	282	31	200	359	53	5.62	<0.5		
AC19-100884		2.49	43	454	59	510	590	58	5.33	<0.5		
AC19-100885		2.44	12	163	22	225	263	30	2.57	<0.5		
AC19-100886		2.07	20	59	17	306	192	36	3.27	0.5		
AC19-100887		1.93	16	103	30	208	296	50	4.91	<0.5		
AC19-100888		2.06	23	265	67	289	514	49	4.26	<0.5		
AC19-100889		1.99	27	314	62	358	642	52	4.85	<0.5		
AC19-100890		2.04	24	241	40	265	522	52	4.98	<0.5		
AC19-100891		1.93	45	417	95	439	699	53	4.94	0.5		
AC19-100892		1.99	12	415	83	127	507	47	5.04	<0.5		
AC19-100893		1.98	20	432	70	337	575	54	5.34	<0.5		
AC19-100894		1.95	18	284	54	254	475	52	5.16	<0.5		
AC19-100895		2.09	88	663	99	635	680	54	4.44	<0.5		
AC19-100896		1.81	10	179	46	117	283	33	3.54	<0.5		
AC19-100897		1.91	10	129	39	116	268	39	4.05	<0.5		
AC19-100898		1.93	9	119	39	101	244	38	4.09	<0.5		

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CERTIFICATE OF ANALYSIS TB19194570

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
AC19-100899		1.27	<1	<1	<5	1	1	<1	13.60	<0.5		
AC19-100900		1.86	21	109	42	278	266	43	4.02	<0.5		
AC19-100901		2.04	13	135	46	154	256	41	3.98	<0.5		
AC19-100902		2.31	34	92	34	318	283	44	4.31	0.5		
AC19-100903		1.88	17	187	53	223	285	39	3.68	<0.5		
AC19-100904		1.79	10	125	48	113	215	40	3.73	<0.5		
AC19-100905		2.08	13	149	51	140	279	40	3.94	<0.5		
AC19-100906		2.07	16	170	51	172	286	40	3.67	<0.5		
AC19-100907		2.04	36	207	59	285	338	43	3.66	<0.5		
AC19-100908		2.13	20	177	55	188	280	39	3.71	<0.5		
AC19-100909		1.92	107	913	125	847	893	55	3.54	<0.5		
AC19-100910		2.09	114	197	65	243	322	38	3.60	<0.5		
AC19-100911		2.41	47	232	72	313	369	43	3.72	<0.5		
AC19-100912		2.52	27	212	65	219	328	41	3.56	<0.5		
AC19-100913		2.35	15	175	56	133	252	37	3.45	<0.5		
AC19-100914		2.47	15	181	54	171	254	40	3.75	<0.5		
AC19-100915		2.51	33	275	57	321	367	44	3.95	<0.5		
AC19-100916		2.57	32	357	70	241	325	40	3.62	<0.5		
AC19-100917		2.50	26	232	62	261	302	39	3.62	<0.5		
AC19-100918		2.52	10	152	56	107	226	36	3.28	<0.5		
AC19-100919		0.08	250	3380	815	>10000	>10000	972	3.72	3.9	16000	44800
AC19-100920		2.45	29	268	61	213	315	38	3.37	<0.5		
AC19-100921		2.42	25	206	56	258	261	34	3.29	<0.5		
AC19-100922		2.44	18	213	60	198	299	36	3.56	<0.5		
AC19-100923		2.46	34	304	73	340	403	34	3.15	<0.5		
AC19-100924		2.47	28	234	77	294	321	31	2.53	<0.5		
AC19-100925		2.40	93	601	120	667	653	39	2.82	<0.5		
AC19-100926		2.39	114	609	122	1005	903	45	2.73	0.9		
AC19-100927		2.32	63	334	166	501	531	41	3.27	<0.5		
AC19-100928		2.54	15	140	49	157	282	29	2.74	<0.5		
AC19-100929		2.51	15	79	42	138	253	40	3.77	<0.5		
AC19-100930		2.43	13	119	44	147	276	40	3.64	<0.5		
AC19-100931		2.47	33	199	53	343	336	40	3.84	<0.5		
AC19-100932		2.63	164	1000	164	1815	1270	59	3.24	1.1		
AC19-100933		2.55	101	901	218	906	896	36	1.37	0.6		
AC19-100934		2.46	89	921	188	909	893	42	2.37	0.6		
AC19-100935		2.54	91	1430	202	1175	1090	51	2.91	0.8		
AC19-100936		0.07	79	620	291	4870	4710	122	3.93	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			