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 TB19194535

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 TB19194535

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
AC19-100547		1.24	<1	<1	<5	1	<1	<1	12.40	<0.5		
AC19-100548		0.07	4640	2020	1280	87	84	61	0.25	0.9		
AC19-100549		2.31	17	44	7	284	255	48	5.10	<0.5		
AC19-100550		2.24	18	356	34	257	337	50	4.98	<0.5		
AC19-100551		2.35	10	100	9	154	260	45	4.82	<0.5		
AC19-100552		2.26	4	13	<5	109	246	44	5.04	<0.5		
AC19-100553		2.30	9	98	27	140	281	42	4.50	<0.5		
AC19-100554		2.36	13	207	30	259	328	46	4.86	<0.5		
AC19-100555		2.21	4	25	8	106	253	44	5.06	<0.5		
AC19-100556		2.25	18	360	38	324	361	48	5.05	<0.5		
AC19-100557		2.25	11	178	21	220	306	44	4.80	<0.5		
AC19-100558		2.33	92	685	77	484	620	60	5.42	<0.5		
AC19-100559		2.06	64	199	34	534	500	57	5.10	<0.5		
AC19-100560		2.23	42	105	27	467	416	55	4.74	<0.5		
AC19-100561		2.19	19	273	42	267	428	55	4.60	<0.5		
AC19-100562		2.20	17	52	14	158	186	55	5.44	<0.5		
AC19-100563		2.23	33	271	33	236	294	51	5.06	<0.5		
AC19-100564		2.09	36	191	29	278	296	53	5.26	<0.5		
AC19-100565		2.29	94	403	57	951	818	50	3.14	<0.5		
AC19-100566		2.19	22	48	11	258	307	33	3.37	<0.5		
AC19-100567		0.07	102	606	299	4420	4330	115	3.98	1.8		
AC19-100568		2.33	93	510	82	821	708	45	3.11	0.5		
AC19-100569		2.29	55	163	35	474	362	33	2.52	<0.5		
AC19-100570		1.40	50	102	19	446	312	31	2.45	<0.5		
AC19-100571		1.67	182	699	125	1670	1185	70	4.10	1.0		
AC19-100572		1.38	58	173	52	330	428	49	4.65	<0.5		
AC19-100573		1.98	35	173	47	226	395	48	4.77	<0.5		
AC19-100574		2.03	209	800	149	993	897	68	5.01	<0.5		
AC19-100575		1.90	33	127	43	237	309	45	4.57	<0.5		
AC19-100576		1.83	68	225	61	550	452	53	5.11	<0.5		
AC19-100577		2.12	78	406	76	486	529	53	4.80	<0.5		
AC19-100578		2.15	98	511	78	745	736	55	4.56	<0.5		
AC19-100579		1.84	9	56	34	120	247	35	3.80	<0.5		
AC19-100580		1.97	12	60	38	157	233	37	4.09	<0.5		
AC19-100581		2.09	11	97	39	129	253	40	4.20	<0.5		
AC19-100582		1.90	9	66	40	91	216	37	3.83	<0.5		
AC19-100583		2.08	12	87	46	134	240	35	3.52	<0.5		
AC19-100584		2.20	46	201	58	319	398	40	3.85	<0.5		
AC19-100585		1.92	24	148	55	222	351	39	3.76	<0.5		
AC19-100586		2.11	14	64	40	132	236	36	3.72	<0.5		

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Project: 18-101

CERTIFICATE OF ANALYSIS TB19194535

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
AC19-100587		1.21	<1	<1	<5	<1	1	1	13.75	<0.5		
AC19-100588		2.08	18	107	42	155	256	40	3.86	<0.5		
AC19-100589		1.96	20	161	68	239	380	39	3.63	<0.5		
AC19-100590		2.02	9	85	52	86	224	33	3.41	<0.5		
AC19-100591		2.14	6	74	49	56	203	28	3.13	<0.5		
AC19-100592		2.09	22	262	70	263	274	32	3.00	<0.5		
AC19-100593		2.16	48	446	75	354	398	37	3.16	<0.5		
AC19-100594		2.03	21	214	70	279	230	33	3.43	<0.5		
AC19-100595		2.03	7	117	73	90	176	27	2.68	<0.5		
AC19-100596		1.96	8	88	62	98	159	22	2.46	<0.5		
AC19-100597		2.01	29	424	90	253	416	113	2.64	<0.5		
AC19-100598		2.13	15	228	88	190	239	27	2.49	<0.5		
AC19-100599		2.26	14	443	125	141	305	28	2.36	<0.5		
AC19-100600		2.21	11	278	109	137	194	22	2.09	<0.5		
AC19-100601		2.30	6	303	115	129	225	23	1.95	<0.5		
AC19-100602		2.24	19	243	98	269	251	22	1.81	<0.5		
AC19-100603		2.31	46	400	161	461	368	28	1.88	<0.5		
AC19-100604		2.34	151	903	198	1020	749	41	2.25	0.7		
AC19-100605		2.30	163	1620	205	1285	1115	58	3.20	0.9		
AC19-100606		2.26	93	661	142	634	432	27	1.60	0.5		
AC19-100607		0.08	198	3480	785	>10000	>10000	925	3.86	3.8	15350	43800
AC19-100608		2.26	97	1570	225	1275	830	39	2.47	1.0		
AC19-100609		2.28	44	510	102	560	484	37	3.21	<0.5		
AC19-100610		2.36	55	353	57	450	471	43	4.01	0.5		
AC19-100611		2.37	39	314	59	318	389	44	4.10	<0.5		
AC19-100612		2.35	45	425	74	410	509	44	3.76	<0.5		
AC19-100613		2.21	138	1130	145	989	942	46	2.92	0.6		
AC19-100614		2.14	160	1240	168	1250	1085	46	2.97	0.7		
AC19-100615		2.39	128	1200	167	881	836	36	2.41	0.5		
AC19-100616		2.34	218	3430	423	1650	1565	55	2.90	1.0		
AC19-100617		2.36	176	1890	210	1375	1255	54	3.91	0.8		
AC19-100618		2.35	228	1600	145	1295	1305	64	4.98	0.7		
AC19-100619		2.31	280	2140	238	1760	1490	55	3.21	0.8		
AC19-100620		2.30	235	1780	213	1440	1345	49	2.78	0.7		
AC19-100621		2.38	86	1590	173	865	1070	46	3.08	0.5		
AC19-100622		2.38	123	1680	178	996	953	56	4.09	0.7		
AC19-100623		2.21	56	1220	169	533	769	36	2.62	0.5		
AC19-100624		0.07	67	620	303	4360	4170	111	3.86	2.0		

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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			