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 TB19194571

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 TB19194571

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
AC19-100937		1.30	1	<1	<5	3	3	2	13.80	<0.5		
AC19-100938		0.07	4990	2000	1300	84	85	62	0.25	0.8		
AC19-100939		2.51	19	376	72	229	450	45	4.52	<0.5		
AC19-100940		2.47	6	138	59	94	254	29	2.90	<0.5		
AC19-100941		2.30	7	119	72	84	305	31	3.21	<0.5		
AC19-100942		2.36	45	540	132	508	536	38	2.69	<0.5		
AC19-100943		2.58	55	398	95	374	459	39	3.33	<0.5		
AC19-100944		2.45	25	304	65	238	352	39	3.90	<0.5		
AC19-100945		2.45	29	194	56	236	360	40	3.94	<0.5		
AC19-100946		2.45	27	146	38	243	280	40	3.89	<0.5		
AC19-100947		2.46	507	3200	272	2050	1790	73	3.69	0.9		
AC19-100948		2.47	402	1770	189	1690	1475	64	3.97	1.2		
AC19-100949		1.81	244	1440	171	1260	1020	67	4.23	0.6		
AC19-100950		1.13	184	758	110	623	604	52	4.17	0.5		
AC19-100951		1.73	143	637	78	1245	926	49	2.98	0.7		
AC19-100952		2.05	298	1920	217	2140	1765	59	1.76	1.3		
AC19-100953		2.10	320	2840	208	1710	1450	63	2.87	1.0		
AC19-100954		1.99	283	2170	176	2190	1505	61	2.22	1.2		
AC19-100955		2.04	266	1890	152	1555	1225	56	2.24	0.7		
AC19-100956		2.04	152	986	89	899	653	37	2.13	0.6		
AC19-100957		0.07	116	623	327	4580	4350	115	4.04	1.9		
AC19-100958		1.94	228	1720	140	1545	1220	59	2.50	0.8		
AC19-100959		1.77	52	462	42	504	371	51	3.47	<0.5		
AC19-100960		2.13	158	2810	224	1475	1270	51	2.13	1.1		
AC19-100961		1.85	276	3760	268	2080	1745	64	2.41	1.3		
AC19-100962		1.76	81	1410	111	779	725	34	1.63	0.6		
AC19-100963		2.01	50	688	47	559	438	39	2.86	<0.5		
AC19-100964		2.11	47	467	49	473	406	54	4.43	<0.5		
AC19-100965		1.99	57	769	81	767	671	58	5.05	<0.5		
AC19-100966		1.92	179	1400	139	936	931	62	4.99	<0.5		
AC19-100967		1.87	53	1060	103	540	771	55	5.03	<0.5		
AC19-100968		2.19	363	3700	329	2130	1980	81	4.69	1.0		
AC19-100969		2.15	70	1140	101	589	834	54	4.44	<0.5		
AC19-100970		2.20	90	744	73	682	550	52	4.43	<0.5		
AC19-100971		2.08	45	347	38	488	370	42	4.11	<0.5		
AC19-100972		2.17	27	125	19	401	298	38	3.66	<0.5		
AC19-100973		2.13	76	705	84	792	802	59	4.33	<0.5		
AC19-100974		2.06	23	53	10	475	304	42	3.71	<0.5		
AC19-100975		2.13	97	419	60	763	720	56	4.84	<0.5		
AC19-100976		2.59	26	77	14	396	346	46	3.97	<0.5		

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CERTIFICATE OF ANALYSIS TB19194571

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
AC19-100977		1.91	2	1	<5	3	2	2	13.00	<0.5		
AC19-100978		2.58	26	103	15	378	372	48	4.31	<0.5		
AC19-100979		2.60	19	67	11	335	333	49	4.51	<0.5		
AC19-100980		2.33	16	67	10	399	337	48	4.21	<0.5		
AC19-100981		2.66	27	120	18	439	328	42	3.63	<0.5		
AC19-100982		2.69	30	157	33	454	482	56	5.23	<0.5		
AC19-100983		2.88	22	85	19	369	402	45	4.11	<0.5		
AC19-100984		2.71	41	147	32	468	504	55	5.02	<0.5		
AC19-100985		2.62	22	135	19	337	452	58	5.43	<0.5		
AC19-100986		2.62	28	158	25	666	365	61	4.76	<0.5		
AC19-100987		2.27	67	125	12	1665	268	59	3.55	1.5		
AC19-100988		2.26	13	139	18	383	425	49	4.38	<0.5		
AC19-100989		2.06	18	118	20	293	387	55	5.47	<0.5		
AC19-100990		2.07	21	72	15	353	380	51	4.79	<0.5		
AC19-100991		2.12	36	100	18	454	362	43	4.34	<0.5		
AC19-100992		2.12	44	406	45	450	519	49	4.32	<0.5		
AC19-100993		2.05	29	72	13	319	321	44	4.38	<0.5		
AC19-100994		2.12	60	214	38	418	444	47	4.59	<0.5		
AC19-100995		2.18	18	36	9	213	291	44	4.39	<0.5		
AC19-100996		2.14	32	90	18	274	315	45	4.47	<0.5		
AC19-100997		0.08	250	3400	805	>10000	>10000	958	3.91	3.7	15750	44000
AC19-100998		2.12	72	330	37	467	566	53	5.11	<0.5		
AC19-100999		1.97	87	482	50	490	616	54	4.79	<0.5		
AC19-101000		2.10	54	285	35	314	530	47	4.91	<0.5		
AC19-101001		2.12	27	108	22	238	378	45	4.78	<0.5		
AC19-101002		2.37	31	86	19	225	422	50	5.27	<0.5		
AC19-101003		1.26	31	106	23	219	364	43	4.72	<0.5		
AC19-101004		1.33	18	44	10	167	352	40	4.71	<0.5		
AC19-101005		1.88	14	90	16	155	379	50	5.97	<0.5		
AC19-101006		2.03	12	89	17	111	355	53	6.12	<0.5		
AC19-101007		2.19	18	85	20	181	309	59	5.81	<0.5		
AC19-101008		1.55	34	291	40	285	445	63	6.51	<0.5		
AC19-101009		1.55	19	217	35	169	369	57	6.30	<0.5		
AC19-101010		1.42	40	413	51	307	534	62	7.11	<0.5		
AC19-101011		2.12	19	184	36	170	397	57	6.48	<0.5		
AC19-101012		2.23	17	125	25	153	342	52	5.61	<0.5		
AC19-101013		1.79	9	76	23	129	330	52	5.78	<0.5		
AC19-101014		0.07	75	611	311	4450	4430	117	3.98	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			