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: 18-AUG-2019
Account: MZI

CERTIFICATE TB19183354

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 25-JUL-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 TB19183354

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
A0163581		1.45	<1	<1	<5	2	2	<1	13.35	<0.5		
A0163582		0.07	4260	1940	1260	85	82	62	0.25	0.7		
A0163583		2.17	32	512	79	460	718	58	4.45	<0.5		
A0163584		1.72	8	89	13	161	202	20	1.50	<0.5		
A0163585		2.17	65	137	27	546	374	105	0.92	0.6		
A0163586		1.80	88	35	6	458	123	12	0.68	0.5		
A0163587		1.94	22	26	5	408	77	12	0.31	<0.5		
A0163588		1.88	5	<1	<5	190	97	13	0.73	<0.5		
A0163589		1.97	23	10	<5	295	199	22	0.90	<0.5		
A0163590		1.88	13	17	<5	302	142	22	0.98	<0.5		
A0163591		1.80	11	88	11	280	120	28	1.05	<0.5		
A0163592		1.89	25	89	7	482	196	21	0.65	0.5		
A0163593		2.00	33	410	49	532	461	35	1.14	0.7		
A0163594		1.87	43	605	95	911	677	37	0.72	0.7		
A0163595		1.98	64	1020	116	1170	917	45	1.06	0.9		
A0163596		1.83	30	937	94	739	781	36	0.93	0.6		
A0163597		1.89	113	1780	145	1630	1275	51	0.66	1.4		
A0163598		2.06	106	1500	128	1420	953	49	0.96	1.1		
A0163599		1.96	84	1310	115	1300	941	48	1.18	1.0		
A0163600		2.18	68	748	60	1110	589	49	1.34	0.8		
A0163601		0.07	77	596	306	4500	4230	113	3.92	2.2		
A0163602		2.11	105	705	54	1480	396	42	0.24	1.0		
A0163603		1.92	38	748	61	624	345	49	1.56	0.5		
A0163604		1.81	17	47	7	392	453	61	2.64	<0.5		
A0163605		1.96	13	153	17	296	330	48	2.28	<0.5		
A0163606		1.94	9	272	23	183	209	35	1.83	<0.5		
A0163607		1.89	7	129	10	166	154	31	1.44	<0.5		
A0163608		2.04	24	688	64	359	292	41	1.70	<0.5		
A0163609		2.04	20	721	64	311	353	54	2.42	<0.5		
A0163610		2.01	84	1430	129	672	581	70	3.10	<0.5		
A0163611		1.86	214	2570	218	1640	685	63	1.95	1.3		
A0163612		1.85	309	4540	364	2470	970	78	1.59	1.8		
A0163613		1.91	425	3790	306	2250	1025	73	2.34	1.3		
A0163614		2.64	184	2660	205	1420	706	56	2.04	0.8		
A0163615		2.48	108	1240	102	979	487	46	2.06	0.8		
A0163616		2.58	95	1790	141	1250	679	53	2.43	1.0		
A0163617		2.37	126	2650	239	1555	976	56	2.21	1.4		
A0163618		2.36	184	4140	348	1965	1410	65	1.83	1.6		
A0163619		2.84	251	4020	335	2250	1585	66	2.26	1.8		
A0163620		1.83	230	3700	307	2320	1470	64	2.09	1.7		

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CERTIFICATE OF ANALYSIS TB19183354

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
A0163621		1.97	1	10	<5	7	9	<1	12.90	<0.5		
A0163622		1.75	88	2030	161	987	769	47	2.07	1.1		
A0163623		1.97	13	47	<5	485	155	35	3.51	0.8		
A0163624		1.81	18	193	15	643	377	67	5.06	1.0		
A0163625		2.50	13	5	<5	483	238	49	4.06	0.6		
A0163626		2.47	5	3	<5	251	187	45	4.23	0.7		
A0163627		2.58	7	5	<5	323	224	54	4.46	0.6		
A0163628		2.42	11	152	12	474	310	54	4.32	0.6		
A0163629		2.46	4	18	<5	232	162	40	3.16	<0.5		
A0163630		2.95	3	4	<5	198	230	60	6.03	<0.5		
A0163631		2.63	9	6	<5	470	150	43	3.98	0.7		
A0163632		2.64	2	20	<5	148	65	12	1.01	<0.5		
A0163633		2.07	6	79	<5	241	128	28	2.37	<0.5		
A0163634		2.25	24	453	40	484	299	55	3.85	0.5		
A0163635		2.35	23	39	<5	906	164	52	3.73	1.3		
A0163636		2.85	23	200	15	560	241	48	3.80	0.8		
A0163637		2.08	21	261	19	567	355	37	2.36	0.8		
A0163638		2.40	48	1390	105	792	801	61	3.13	0.9		
A0163639		2.50	23	451	33	412	378	41	2.61	0.7		
A0163640		2.42	21	550	41	491	394	34	2.43	0.8		
A0163641		0.08	234	3200	761	>10000	>10000	983	4.01	4.3	15800	43900
A0163642		2.46	29	380	30	645	388	40	3.01	1.2		
A0163643		2.46	43	1200	112	829	598	42	2.41	1.0		
A0163644		2.41	90	1780	169	1065	824	57	2.94	1.1		
A0163645		2.43	48	525	53	479	444	47	3.87	0.9		
A0163646		2.44	134	916	90	612	683	46	3.94	0.7		
A0163647		2.40	51	508	63	669	527	41	3.99	1.0		
A0163648		2.45	163	1520	164	833	1040	50	3.71	0.6		
A0163649		2.37	244	1870	191	1275	1450	61	3.82	1.0		
A0163650		2.59	56	596	67	569	561	48	3.81	0.8		
A0163651		2.32	121	1010	92	747	721	48	3.88	0.8		
A0163652		2.59	353	850	95	633	571	40	3.77	0.8		
A0163653		2.42	19	132	21	184	214	36	3.66	<0.5		
A0163654		2.35	362	3290	278	2120	1580	68	3.08	1.0		
A0163655		2.40	421	3560	285	2390	1690	68	2.41	1.3		
A0163656		2.60	370	3390	276	2510	1590	70	2.73	1.4		
A0163657		2.21	310	3540	291	1840	1430	64	2.27	1.1		
A0163658		0.07	136	613	318	4560	4330	117	4.01	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			