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: 3-AUG-2019
Account: MZI

CERTIFICATE TB19172681

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 15-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 TB19172681

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
A0163347		1.79	<1	<1	<5	2	<1	<1	12.90	<0.5		
A0163348		0.08	4930	1980	1260	84	84	61	0.25	0.7		
A0163349		2.35	37	184	35	265	442	49	5.66	<0.5		
A0163350		2.41	11	37	11	108	255	37	4.26	<0.5		
A0163351		2.26	10	47	11	117	275	45	4.90	<0.5		
A0163352		2.36	16	114	27	156	404	61	6.25	<0.5		
A0163353		2.48	23	221	26	287	410	50	5.50	<0.5		
A0163354		1.85	13	48	8	212	304	48	4.64	<0.5		
A0163355		1.46	5	112	12	164	284	44	4.26	<0.5		
A0163356		1.86	<1	5	<5	28	16	7	0.64	<0.5		
A0163357		1.67	<1	2	<5	10	10	5	0.43	<0.5		
A0163358		2.10	<1	<1	<5	15	11	6	0.44	<0.5		
A0163359		2.07	12	55	<5	57	31	15	1.08	<0.5		
A0163360		2.31	26	73	6	121	56	17	1.49	<0.5		
A0163361		2.08	7	60	10	146	207	36	3.76	<0.5		
A0163362		2.14	2	60	<5	59	19	8	0.64	<0.5		
A0163363		2.17	<1	6	<5	24	1	5	0.42	<0.5		
A0163364		1.82	<1	<1	<5	16	4	6	0.51	<0.5		
A0163365		2.10	<1	<1	<5	12	24	14	1.24	<0.5		
A0163366		2.05	<1	<1	<5	31	36	17	1.60	<0.5		
A0163367		0.07	97	573	278	4270	4100	108	3.71	1.9		
A0163368		2.35	<1	<1	<5	20	62	27	2.15	<0.5		
A0163369		1.97	<1	<1	<5	21	57	26	2.19	<0.5		
A0163370		1.79	<1	<1	<5	30	51	25	1.96	<0.5		
A0163371		2.28	<1	<1	<5	6	4	6	0.43	<0.5		
A0163372		1.85	<1	<1	<5	6	3	5	0.39	<0.5		
A0163373		2.14	<1	<1	<5	17	4	6	0.40	<0.5		
A0163374		2.21	<1	<1	<5	38	45	37	2.39	<0.5		
A0163375		1.46	<1	<1	<5	48	44	39	2.27	<0.5		
A0163376		1.61	<1	<1	<5	25	13	13	0.94	<0.5		
A0163377		2.03	<1	<1	<5	16	10	9	0.89	<0.5		
A0163378		2.10	<1	1	<5	15	5	4	0.39	<0.5		
A0163379		2.06	<1	4	<5	50	23	10	0.82	<0.5		
A0163380		2.23	12	214	41	132	273	40	3.95	<0.5		
A0163381		2.31	7	98	38	108	241	38	4.02	<0.5		
A0163382		2.15	17	126	42	198	274	40	3.84	<0.5		
A0163383		1.79	8	102	45	97	227	37	3.80	<0.5		
A0163384		2.12	11	119	41	142	239	37	3.68	<0.5		
A0163385		2.01	9	98	43	97	218	36	3.66	<0.5		
A0163386		2.36	17	113	47	143	239	36	3.68	<0.5		

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Project: 18-101

CERTIFICATE OF ANALYSIS TB19172681

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
A0163387		1.53	<1	<1	<5	1	1	<1	13.00	<0.5		
A0163388		2.39	23	170	48	205	290	38	3.78	<0.5		
A0163389		2.52	21	150	49	201	290	39	4.00	<0.5		
A0163390		2.56	31	175	53	342	357	42	3.90	<0.5		
A0163391		2.44	16	133	47	170	276	38	3.91	<0.5		
A0163392		2.39	6	90	44	89	220	35	3.81	<0.5		
A0163393		2.30	16	129	51	147	279	40	3.94	<0.5		
A0163394		2.37	8	102	49	82	224	35	3.64	<0.5		
A0163395		2.99	8	95	45	140	220	37	3.67	<0.5		
A0163396		2.11	385	6640	615	3050	4190	124	4.08	3.1		
A0163397		2.41	44	376	88	455	444	37	3.02	<0.5		
A0163398		2.48	23	207	64	290	354	36	3.36	<0.5		
A0163399		2.50	64	555	111	656	723	43	3.28	0.5		
A0163400		2.48	10	166	56	147	243	35	3.74	<0.5		
A0163401		2.43	31	253	58	461	342	38	3.71	<0.5		
A0163402		2.55	75	1050	135	1175	982	57	4.07	2.3		
A0163403		2.50	10	128	70	187	215	37	3.53	<0.5		
A0163404		2.43	7	177	51	131	205	33	3.17	<0.5		
A0163405		2.40	8	99	42	120	205	33	3.58	<0.5		
A0163406		2.47	11	124	48	139	248	38	3.84	<0.5		
A0163407		0.08	238	3440	796	>10000	>10000	944	3.91	4.1	16200	44200
A0163408		2.38	12	133	46	276	248	32	3.71	<0.5		
A0163409		2.62	10	152	51	120	248	37	3.97	<0.5		
A0163410		2.49	5	117	48	77	220	36	3.86	<0.5		
A0163411		2.48	7	123	47	83	218	34	3.69	<0.5		
A0163412		2.41	9	143	50	95	230	35	3.63	<0.5		
A0163413		2.56	6	98	44	80	211	33	3.60	<0.5		
A0163414		2.39	41	194	54	170	289	37	3.71	<0.5		
A0163415		2.57	9	117	51	98	226	33	3.56	<0.5		
A0163416		2.47	24	128	36	198	222	38	3.03	<0.5		
A0163417		2.44	57	256	53	335	422	40	3.13	<0.5		
A0163418		2.49	57	465	99	570	680	43	3.40	<0.5		
A0163419		2.43	24	184	51	246	267	39	3.33	<0.5		
A0163420		2.49	53	665	78	505	618	43	3.82	0.6		
A0163421		2.54	60	877	105	513	782	52	4.05	0.5		
A0163422		2.44	62	797	130	633	818	51	3.85	<0.5		
A0163423		2.41	29	649	81	289	683	48	4.46	<0.5		
A0163424		0.07	102	610	292	4480	4350	112	3.87	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			