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: 1-AUG-2019
Account: MZI

CERTIFICATE TB19172652

Project: 18-101

P.O. No.: 182449

This report is for 67 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	SAM DAVIES	DENIS DECHARTE
CLAIRE MCGUINNESS	DAVE PECK	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 TB19172652

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
A0145948		2.28	4	24	5	226	139	57	4.27	<0.5		
A0145949		2.38	4	23	<5	214	129	55	4.18	<0.5		
A0145950		2.40	5	22	5	224	111	55	3.99	<0.5		
A0145951		2.38	11	24	5	726	113	59	3.82	<0.5		
A0145952		3.32	6	21	6	226	126	53	4.16	<0.5		
A0145953		1.85	1	52	6	65	467	56	8.31	<0.5		
A0145954		2.30	3	1	<5	59	432	55	8.29	<0.5		
A0145955		2.26	3	40	5	76	424	56	7.86	<0.5		
A0145956		2.41	8	17	<5	118	382	55	7.19	<0.5		
A0145957		0.07	63	585	316	4580	4350	115	4.13	2.0		
A0145958		2.61	11	19	<5	103	421	57	7.78	<0.5		
A0145959		2.54	8	36	<5	178	482	62	8.38	<0.5		
A0145960		2.11	1	3	<5	24	410	59	8.05	<0.5		
A0145961		2.75	20	82	9	250	447	67	8.14	<0.5		
A0145962		2.16	18	191	17	196	541	64	7.32	<0.5		
A0145963		2.53	77	1160	117	919	1130	91	6.80	0.5		
A0145964		2.66	97	743	81	912	791	77	7.87	0.8		
A0145965		2.44	12	119	14	108	404	55	7.04	<0.5		
A0145966		2.51	11	33	<5	127	428	61	7.99	<0.5		
A0145967		2.61	9	24	<5	136	424	60	7.98	0.5		
A0145968		2.18	9	58	8	128	397	59	7.59	0.5		
A0145969		2.41	9	85	11	169	443	63	7.89	<0.5		
A0145970		2.46	12	96	11	160	468	62	8.44	0.5		
A0145971		2.41	17	40	7	294	305	55	5.49	0.5		
A0145972		2.46	7	1	<5	170	378	63	7.33	0.6		
A0145973		2.49	2	<1	<5	99	350	59	7.33	<0.5		
A0145974		2.64	3	1	<5	97	407	62	8.23	<0.5		
A0145975		2.50	3	17	<5	103	425	63	8.52	<0.5		
A0145976		2.48	32	853	159	446	926	73	7.52	1.5		
A0145977		1.16	<1	<1	<5	<1	4	<1	12.35	<0.5		
A0145978		2.25	3	4	<5	99	320	47	5.90	0.5		
A0145979		2.53	3	3	<5	99	321	46	5.94	0.5		
A0145980		2.62	4	30	<5	98	346	49	6.25	<0.5		
A0145981		2.12	10	43	5	179	315	48	5.83	0.7		
A0145982		2.06	4	40	6	99	346	49	6.27	0.6		
A0145983		2.09	6	43	6	129	393	55	6.97	<0.5		
A0145984		2.16	4	1	<5	83	299	50	5.92	<0.5		
A0145985		2.20	1	<1	<5	39	359	51	7.10	<0.5		
A0145986		2.18	2	2	<5	82	395	58	7.82	0.5		
A0145987		2.43	29	188	28	424	577	63	7.05	0.5		

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CERTIFICATE OF ANALYSIS TB19172652

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
A0145988		2.17	11	8	<5	284	592	78	9.31	<0.5		
A0145989		2.41	<1	1	<5	72	434	68	9.02	<0.5		
A0145990		2.35	7	1	<5	208	493	70	8.59	0.5		
A0145991		2.02	10	<1	<5	113	406	56	7.44	<0.5		
A0145992		1.64	<1	10	<5	17	386	44	6.60	<0.5		
A0145993		2.05	8	17	<5	216	273	150	5.06	1.1		
A0145994		3.15	8	1	<5	195	44	38	2.22	<0.5		
A0145995		1.95	7	<1	<5	152	46	24	1.57	<0.5		
A0145996		2.35	20	1	<5	191	43	33	1.66	<0.5		
A0145997		0.12	235	3490	817	>10000	>10000	1000	3.99	4.7	16000	45400
A0145998		2.10	13	<1	<5	127	58	34	1.49	<0.5		
A0145999		2.16	8	<1	<5	69	24	31	1.81	<0.5		
A0146000		2.23	6	<1	<5	112	28	39	1.89	<0.5		
A0146001		1.78	23	2	<5	750	99	43	2.98	<0.5		
A0146002		2.97	10	4	<5	246	372	77	6.89	<0.5		
A0146003		2.20	7	26	10	144	527	55	6.67	<0.5		
A0146004		2.44	17	10	<5	395	603	64	6.93	<0.5		
A0146005		2.15	8	20	<5	161	647	66	8.63	<0.5		
A0146006		2.41	31	37	7	1030	1565	87	8.92	0.6		
A0146007		2.33	20	36	7	645	849	76	7.28	<0.5		
A0146008		2.11	10	2	<5	316	529	68	8.13	<0.5		
A0146009		2.48	6	1	<5	340	609	76	8.99	<0.5		
A0146010		2.21	14	3	<5	769	1190	80	8.42	<0.5		
A0146011		2.20	49	3	<5	968	670	63	5.60	0.5		
A0146012		2.20	8	2	<5	270	450	46	4.81	<0.5		
A0146013		2.27	27	22	<5	634	742	62	5.42	<0.5		
A0146014		0.07	54	598	291	4610	4400	113	4.07	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			