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: 25-JUL-2019
Account: MZI

CERTIFICATE TB19160570

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 30-JUN-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 TB19160570

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
A0146483		1.72	<1	<1	<5	7	2	1	13.45	<0.5		
A0146484		0.07	4630	2030	1320	88	84	62	0.27	1.1		
A0146485		2.30	1	35	<5	42	172	42	3.63	<0.5		
A0146486		2.47	<1	33	<5	33	147	36	2.98	<0.5		
A0146487		2.47	<1	32	<5	46	221	53	4.85	<0.5		
A0146488		2.34	<1	30	<5	35	193	46	3.95	<0.5		
A0146489		2.39	<1	29	<5	47	223	54	4.69	<0.5		
A0146490		2.33	<1	30	<5	42	223	53	4.69	<0.5		
A0146491		2.22	<1	31	<5	45	195	46	4.09	<0.5		
A0146492		2.31	<1	30	<5	42	181	43	3.78	<0.5		
A0146493		2.39	<1	26	<5	39	194	47	4.09	<0.5		
A0146494		2.46	<1	29	<5	44	201	47	4.22	<0.5		
A0146495		2.44	<1	23	<5	42	193	46	3.94	<0.5		
A0146496		2.46	<1	26	<5	46	193	47	3.99	<0.5		
A0146497		2.50	<1	25	<5	45	188	45	3.93	<0.5		
A0146498		2.45	<1	27	<5	45	186	46	3.85	<0.5		
A0146499		2.42	<1	28	<5	43	170	42	3.47	<0.5		
A0146500		2.28	<1	29	<5	44	172	42	3.51	<0.5		
A0146501		2.61	<1	29	<5	48	166	41	3.47	<0.5		
A0146502		2.49	<1	28	<5	50	170	42	3.51	<0.5		
A0146503		0.07	84	614	310	4590	4390	114	4.00	2.1		
A0146504		2.40	<1	33	<5	53	173	40	3.55	<0.5		
A0146505		2.50	<1	31	<5	56	201	49	4.26	<0.5		
A0146506		2.36	<1	29	<5	38	191	45	4.07	0.8		
A0146507		2.25	<1	28	<5	61	207	49	4.53	<0.5		
A0146508		1.84	1	29	5	65	208	50	4.47	<0.5		
A0146509		1.81	1	27	<5	44	207	45	4.82	<0.5		
A0146510		2.76	2	24	<5	78	211	50	4.70	<0.5		
A0146511		3.15	2	25	<5	72	222	53	4.97	<0.5		
A0146512		2.16	2	23	<5	60	181	43	4.02	<0.5		
A0146513		2.31	3	22	<5	88	197	45	4.27	<0.5		
A0146514		1.91	14	21	<5	56	196	45	4.16	<0.5		
A0146515		2.34	33	23	<5	58	207	47	4.30	<0.5		
A0146516		2.48	6	31	11	49	213	47	4.54	<0.5		
A0146517		2.55	2	39	18	36	210	47	4.49	<0.5		
A0146518		2.31	3	39	11	33	226	51	4.96	<0.5		
A0146519		2.44	2	47	7	36	234	51	5.13	<0.5		
A0146520		2.20	3	44	<5	40	282	63	6.30	<0.5		
A0146521		2.56	4	35	<5	35	289	64	6.47	<0.5		
A0146522		2.21	12	53	7	93	343	74	7.43	<0.5		

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Project: 18-101

CERTIFICATE OF ANALYSIS TB19160570

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
A0146523		1.57	47	<1	<5	2	5	2	13.55	<0.5		
A0146524		2.04	9	54	13	29	336	71	7.33	<0.5		
A0146525		2.20	5	45	11	34	338	69	7.28	<0.5		
A0146526		2.12	4	56	5	12	227	46	5.18	<0.5		
A0146527		2.18	11	12	<5	1	302	57	7.05	<0.5		
A0146528		2.65	11	25	9	3	301	58	6.58	<0.5		
A0146529		1.69	1	36	14	14	304	58	6.74	<0.5		
A0146530		2.23	<1	38	10	14	304	58	6.62	<0.5		
A0146531		2.26	<1	40	8	11	296	57	6.30	<0.5		
A0146532		2.22	<1	46	10	24	298	59	6.46	<0.5		
A0146533		2.28	1	38	26	19	296	54	6.53	<0.5		
A0146534		2.24	5	50	6	15	309	61	6.73	<0.5		
A0146535		1.68	5	51	7	33	308	63	6.63	<0.5		
A0146536		2.98	3	54	6	29	295	61	6.37	<0.5		
A0146537		2.65	1	64	6	31	294	60	6.26	<0.5		
A0146538		2.23	<1	65	12	32	317	66	6.91	<0.5		
A0146539		2.13	1	50	5	29	287	64	6.43	<0.5		
A0146540		2.03	4	92	12	104	306	83	6.40	<0.5		
A0146541		2.21	3	65	11	33	295	63	6.17	<0.5		
A0146542		2.15	1	83	9	32	293	62	6.20	<0.5		
A0146543		0.12	203	3340	777	>10000	>10000	952	3.93	4.1	16550	47200
A0146544		2.31	1	75	8	41	318	62	6.28	<0.5		
A0146545		2.13	1	76	11	37	305	64	6.55	<0.5		
A0146546		2.14	1	51	7	62	295	66	6.06	<0.5		
A0146547		2.06	1	53	<5	118	311	66	5.96	<0.5		
A0146548		1.99	2	43	<5	74	282	62	5.52	<0.5		
A0146549		1.97	7	29	<5	65	369	83	7.91	<0.5		
A0146550		2.07	4	44	<5	63	308	69	6.32	<0.5		
A0146551		2.08	3	48	<5	46	225	52	4.53	<0.5		
A0146552		2.09	3	44	<5	46	257	57	5.18	<0.5		
A0146553		2.32	<1	51	<5	39	219	51	4.27	<0.5		
A0146554		2.12	<1	66	<5	21	223	51	4.39	<0.5		
A0146555		1.69	<1	47	<5	24	260	60	5.37	<0.5		
A0146556		2.08	1	53	<5	20	228	51	4.41	<0.5		
A0146557		2.95	<1	51	<5	27	233	53	4.53	<0.5		
A0146558		1.95	<1	43	<5	28	277	65	5.96	<0.5		
A0146559		2.03	1	39	<5	37	355	78	7.28	<0.5		
A0146560		0.07	81	616	291	4560	4430	115	3.96	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			