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 TB19172656

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 TB19172656

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
A0146015		1.35	<1	<1	<5	2	1	<1	13.75	<0.5		
A0146016		0.07	4860	2050	1300	90	84	62	0.29	0.8		
A0146017		2.42	15	13	<5	459	662	71	7.50	<0.5		
A0146018		2.77	16	67	6	360	519	55	5.88	<0.5		
A0146019		2.53	15	31	<5	375	560	63	6.88	<0.5		
A0146020		2.80	16	39	6	431	538	57	5.73	<0.5		
A0146021		2.43	26	17	5	1040	1035	70	5.75	0.5		
A0146022		2.74	13	36	<5	269	429	53	6.58	<0.5		
A0146023		2.79	13	46	8	387	580	65	7.57	<0.5		
A0146024		2.63	4	14	<5	115	288	46	5.59	<0.5		
A0146025		2.57	12	8	<5	267	405	55	5.49	<0.5		
A0146026		2.57	15	25	<5	381	487	62	6.14	<0.5		
A0146027		2.57	4	30	5	164	442	53	5.63	<0.5		
A0146028		2.39	4	5	<5	116	393	53	5.78	<0.5		
A0146029		2.53	8	82	11	228	434	59	6.35	<0.5		
A0146030		2.60	4	6	<5	149	365	54	6.23	<0.5		
A0146031		2.69	4	29	<5	121	372	51	5.66	<0.5		
A0146032		2.66	9	32	<5	243	490	55	5.87	<0.5		
A0146033		2.56	20	35	5	522	723	74	7.37	0.5		
A0146034		2.41	15	10	<5	423	638	67	7.08	<0.5		
A0146035		0.07	69	622	318	4610	4510	118	4.08	2.1		
A0146036		2.55	19	3	<5	389	522	62	6.46	<0.5		
A0146037		2.45	17	43	<5	396	530	64	6.36	<0.5		
A0146038		2.70	64	36	5	1475	1425	92	6.19	0.7		
A0146039		2.60	33	12	<5	709	751	71	6.49	<0.5		
A0146040		2.41	21	15	<5	673	699	73	6.16	<0.5		
A0146041		2.59	30	250	24	474	549	60	5.70	<0.5		
A0146042		2.74	9	20	<5	277	455	67	7.11	<0.5		
A0146043		2.85	10	56	7	557	527	71	5.22	<0.5		
A0146044		1.94	35	82	8	1130	974	93	5.95	0.5		
A0146045		2.93	3	5	<5	149	440	58	6.00	<0.5		
A0146046		2.69	11	39	8	336	592	75	8.20	<0.5		
A0146047		2.49	10	4	<5	423	814	70	5.52	<0.5		
A0146048		2.45	5	2	<5	440	558	60	5.58	<0.5		
A0146049		2.65	4	1	<5	327	504	60	5.69	<0.5		
A0146050		2.63	6	3	<5	482	833	72	6.33	<0.5		
A0146051		2.61	5	3	<5	534	721	80	7.04	<0.5		
A0146052		2.68	5	2	<5	386	488	63	5.74	<0.5		
A0146053		2.62	24	103	18	666	691	70	6.38	0.5		
A0146054		2.27	6	92	<5	328	665	74	7.31	<0.5		

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Finalized Date: 3-AUG-2019
Account: MZI

Project: 18-101

CERTIFICATE OF ANALYSIS TB19172656

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
A0146055		1.70	1	<1	<5	2	4	<1	13.90	<0.5		
A0146056		2.29	6	2	<5	255	451	72	8.20	<0.5		
A0146057		2.05	1	1	<5	178	488	75	9.47	<0.5		
A0146058		2.52	2	1	<5	156	392	61	7.28	<0.5		
A0146059		2.43	3	47	7	162	423	71	8.82	<0.5		
A0146060		2.27	3	7	<5	107	366	68	8.03	<0.5		
A0146061		2.48	20	25	<5	634	1060	74	7.57	0.5		
A0146062		2.28	12	88	7	274	417	58	6.35	<0.5		
A0146063		2.28	7	60	5	165	307	43	4.26	<0.5		
A0146064		2.34	5	7	<5	121	306	60	6.25	<0.5		
A0146065		2.84	1	<1	<5	83	266	53	6.15	<0.5		
A0146066		2.77	<1	1	<5	98	321	64	7.15	<0.5		
A0146067		2.48	5	27	9	203	357	64	6.25	<0.5		
A0146068		2.30	<1	1	<5	90	338	66	8.00	<0.5		
A0146069		2.26	1	2	<5	115	338	66	7.89	<0.5		
A0146070		2.40	7	119	13	159	387	66	7.90	<0.5		
A0146071		2.50	3	3	<5	238	332	60	6.03	<0.5		
A0146072		2.34	11	25	<5	436	679	101	9.78	<0.5		
A0146073		2.23	17	54	6	375	597	84	8.49	<0.5		
A0146074		2.92	1	10	<5	240	505	82	9.44	<0.5		
A0146075		0.12	311	3400	810	>10000	>10000	986	4.06	4.2	16200	44900
A0146076		2.49	3	3	<5	238	622	84	9.53	<0.5		
A0146077		2.46	25	196	14	514	732	86	8.43	<0.5		
A0146078		2.26	13	284	16	484	693	88	9.27	<0.5		
A0146079		2.33	3	1	<5	170	506	87	10.45	<0.5		
A0146080		2.29	11	370	14	660	676	84	8.70	<0.5		
A0146081		1.67	12	56	6	530	718	92	8.38	<0.5		
A0146082		3.04	5	6	<5	261	324	59	5.59	<0.5		
A0146083		2.40	11	3	<5	388	531	71	5.32	<0.5		
A0146084		2.25	9	48	7	254	456	46	4.03	<0.5		
A0146085		2.27	6	7	<5	157	283	39	3.66	<0.5		
A0146086		2.18	25	119	5	383	314	40	3.74	<0.5		
A0146087		2.31	10	147	<5	247	352	63	5.29	<0.5		
A0146088		2.17	2	<1	<5	78	218	53	4.86	<0.5		
A0146089		2.42	3	3	<5	130	230	50	5.01	<0.5		
A0146090		2.70	5	40	5	127	264	45	4.49	<0.5		
A0146091		2.58	14	109	15	209	316	55	4.47	<0.5		
A0146092		0.07	86	610	319	4580	4390	115	4.00	2.1		

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CERTIFICATE OF ANALYSIS TB19172656

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			