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: 13-DEC-2018
Account: MZI

CERTIFICATE TB18307321

Project: EMB

P.O. No.: 198288

This report is for 11 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 30-NOV-2018.

The following have access to data associated with this certificate:

KAITLYN CHOVANCAK LDIM WEBTRIEVE	JILL MAXWELL	KATHRYN STINSON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP06	Whole Rock Package - ICP-AES	ICP-AES
C-IR07	Total Carbon (Leco)	LECO
S-IR08	Total Sulphur (Leco)	LECO
ME-MS81	Lithium Borate Fusion ICP-MS	ICP-MS
ME-MS42	Up to 34 elements by ICP-MS	ICP-MS
OA-GRA05	Loss on Ignition at 1000C	WST-SEQ
TOT-ICP06	Total Calculation for ICP06	
ME-4ACD81	Base Metals by 4-acid dig.	ICP-AES
Se-MS46	Super Trace Se 25g AR by ICP-MS	ICP-MS

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 *****

Comments: ***** ORIGINALLY FROM WO: TB18302706 MZI *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS TB18307321

Sample Description	Method / Analyte / Units / LOD	ME-ICP06 SiO2 % 0.01	ME-ICP06 Al2O3 % 0.01	ME-ICP06 Fe2O3 % 0.01	ME-ICP06 CaO % 0.01	ME-ICP06 MgO % 0.01	ME-ICP06 Na2O % 0.01	ME-ICP06 K2O % 0.01	ME-ICP06 Cr2O3 % 0.002	ME-ICP06 TiO2 % 0.01	ME-ICP06 MnO % 0.01	ME-ICP06 P2O5 % 0.01	ME-ICP06 SrO % 0.01	ME-ICP06 BaO % 0.01	OA-GRA05 LOI % 0.01	TOT-ICP06 Total % 0.01
X787003		50.0	10.05	17.05	5.88	15.60	1.05	0.15	0.066	0.41	0.22	<0.01	0.01	<0.01	0.22	100.71
X787008		50.4	10.15	15.95	5.63	14.80	1.23	0.13	0.062	0.38	0.21	0.01	0.02	0.01	0.81	99.79
X787013		49.4	10.70	16.05	6.37	14.75	1.21	0.15	0.062	0.41	0.22	<0.01	0.02	0.01	1.82	101.17
X787018		49.2	11.20	14.45	6.98	13.55	1.46	0.17	0.057	0.35	0.20	0.01	0.01	0.01	3.27	100.92
X787024		49.9	11.40	15.00	6.60	14.55	1.21	0.11	0.059	0.32	0.20	0.01	0.02	<0.01	-0.13	99.25
X787029		49.4	11.05	14.95	6.60	14.45	1.18	0.12	0.061	0.35	0.20	0.02	0.02	<0.01	0.07	98.47
X787034		50.3	12.25	14.30	6.98	14.00	1.30	0.12	0.059	0.31	0.19	<0.01	0.02	0.01	0.02	99.86
X787040		51.6	11.50	14.50	6.31	14.25	1.39	0.13	0.058	0.29	0.20	0.01	0.02	0.01	0.15	100.42
X787045		50.1	10.80	15.35	6.47	14.90	1.15	0.13	0.062	0.32	0.21	0.01	0.02	0.01	0.16	99.69
X787050		49.4	13.15	12.75	7.00	12.40	1.59	0.16	0.050	0.26	0.18	<0.01	0.02	0.01	3.04	100.01
X787055		50.0	11.90	13.25	7.12	13.40	1.34	0.17	0.056	0.25	0.19	0.01	0.02	0.01	2.86	100.58

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CERTIFICATE OF ANALYSIS TB18307321

Sample Description	Method / Analyte / Units / LOD	C-IR07 C % 0.01	S-IR08 S % 0.01	ME-MS81 Ba ppm 0.5	ME-MS81 Ce ppm 0.1	ME-MS81 Cr ppm 10	ME-MS81 Cs ppm 0.01	ME-MS81 Dy ppm 0.05	ME-MS81 Er ppm 0.03	ME-MS81 Eu ppm 0.03	ME-MS81 Ga ppm 0.1	ME-MS81 Gd ppm 0.05	ME-MS81 Ge ppm 5	ME-MS81 Hf ppm 0.2	ME-MS81 Ho ppm 0.01	ME-MS81 La ppm 0.1
X787003		0.06	0.05	41.1	2.6	500	0.71	0.56	0.41	0.16	12.0	0.48	<5	0.3	0.15	1.2
X787008		0.04	0.09	53.2	2.9	460	1.30	0.49	0.28	0.18	11.9	0.44	<5	0.3	0.14	1.6
X787013		0.05	0.04	51.5	2.4	460	1.35	0.74	0.46	0.20	11.5	0.47	<5	0.2	0.12	1.2
X787018		0.06	0.06	46.0	3.3	370	1.44	0.45	0.37	0.16	10.8	0.52	<5	0.4	0.14	1.7
X787024		0.05	0.03	44.1	2.7	450	0.62	0.56	0.43	0.18	12.3	0.50	<5	0.3	0.16	1.3
X787029		0.05	0.04	46.1	4.9	460	0.71	0.72	0.49	0.25	12.2	0.63	<5	0.3	0.17	2.2
X787034		0.04	0.04	47.6	3.0	440	0.63	0.49	0.37	0.20	12.7	0.51	<5	0.3	0.14	1.5
X787040		0.07	0.03	64.5	3.5	440	0.83	0.49	0.39	0.19	12.2	0.54	<5	0.4	0.12	1.7
X787045		0.04	0.06	49.2	3.0	460	0.75	0.49	0.52	0.15	11.7	0.42	<5	0.3	0.15	1.3
X787050		0.04	0.03	67.3	3.9	380	1.64	0.55	0.48	0.16	13.0	0.51	<5	0.4	0.12	1.9
X787055		0.04	0.02	61.1	4.4	420	1.65	0.56	0.43	0.20	12.6	0.55	<5	0.3	0.12	2.2

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THUNDER BAY ON P7B 2R2

Finalized Date: 13-DEC-2018
Account: MZI

Project: EMB

CERTIFICATE OF ANALYSIS TB18307321

Sample Description	Method / Analyte / Units / LOD	ME-MS81 Lu ppm 0.01	ME-MS81 Nb ppm 0.2	ME-MS81 Nd ppm 0.1	ME-MS81 Pr ppm 0.03	ME-MS81 Rb ppm 0.2	ME-MS81 Sm ppm 0.03	ME-MS81 Sn ppm 1	ME-MS81 Sr ppm 0.1	ME-MS81 Ta ppm 0.1	ME-MS81 Tb ppm 0.01	ME-MS81 Th ppm 0.05	ME-MS81 Tm ppm 0.01	ME-MS81 U ppm 0.05	ME-MS81 V ppm 5	ME-MS81 W ppm 1
X787003		0.08	0.3	1.5	0.30	3.2	0.45	<1	120.0	0.1	0.10	0.15	0.07	<0.05	341	<1
X787008		0.08	0.4	1.7	0.31	3.0	0.37	<1	143.5	0.1	0.08	0.22	0.04	0.20	307	1
X787013		0.07	0.2	1.3	0.32	3.3	0.45	<1	132.5	0.1	0.08	0.11	0.07	0.05	345	<1
X787018		0.07	0.3	1.4	0.40	2.5	0.30	<1	154.5	0.1	0.10	0.15	0.04	0.05	244	<1
X787024		0.09	0.3	1.3	0.36	1.6	0.41	<1	146.5	0.1	0.09	0.11	0.05	<0.05	258	<1
X787029		0.07	1.6	2.6	0.63	2.0	0.61	<1	142.5	0.1	0.11	0.23	0.06	0.05	258	<1
X787034		0.08	0.4	1.5	0.34	2.1	0.31	<1	157.5	0.1	0.08	0.14	0.05	<0.05	220	<1
X787040		0.08	0.5	1.7	0.42	2.6	0.41	<1	151.5	0.1	0.08	0.33	0.06	0.09	206	<1
X787045		0.08	0.4	1.5	0.37	2.9	0.65	<1	134.5	0.2	0.07	0.15	0.06	<0.05	240	<1
X787050		0.08	0.4	1.6	0.44	3.8	0.38	<1	195.5	0.1	0.07	0.17	0.06	0.05	197	1
X787055		0.08	0.3	2.2	0.60	4.0	0.48	<1	157.0	0.3	0.10	0.28	0.06	0.07	196	1

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Project: EMB

CERTIFICATE OF ANALYSIS TB18307321

Sample Description	Method / Analyte / Units / LOD	ME-MS81 Y ppm 0.1	ME-MS81 Yb ppm 0.03	ME-MS81 Zr ppm 2	ME-MS42 As ppm 0.1	ME-MS42 Bi ppm 0.01	ME-MS42 Hg ppm 0.005	ME-MS42 In ppm 0.005	ME-MS42 Re ppm 0.001	ME-MS42 Sb ppm 0.05	ME-MS42 Se ppm 0.2	ME-MS42 Te ppm 0.01	ME-MS42 Tl ppm 0.02	ME-4ACD81 Ag ppm 0.5	ME-4ACD81 Cd ppm 0.5	ME-4ACD81 Co ppm 1
X787003		3.4	0.46	9	0.2	<0.01	<0.005	<0.005	0.001	<0.05	0.3	<0.01	<0.02	<0.5	1.0	105
X787008		3.3	0.46	12	0.2	0.02	<0.005	<0.005	0.001	<0.05	0.2	0.01	<0.02	<0.5	1.3	99
X787013		3.5	0.48	7	0.3	0.01	<0.005	<0.005	<0.001	<0.05	0.2	0.01	<0.02	<0.5	0.5	99
X787018		3.1	0.37	11	0.3	0.15	<0.005	0.005	<0.001	<0.05	<0.2	0.05	<0.02	<0.5	0.8	91
X787024		3.5	0.51	8	0.1	<0.01	<0.005	<0.005	<0.001	<0.05	0.2	0.01	<0.02	<0.5	1.1	99
X787029		3.9	0.53	9	<0.1	<0.01	<0.005	<0.005	<0.001	<0.05	0.2	0.01	<0.02	<0.5	0.7	96
X787034		3.4	0.56	9	0.2	<0.01	<0.005	<0.005	<0.001	<0.05	0.2	0.01	<0.02	<0.5	0.6	90
X787040		3.6	0.53	17	0.1	<0.01	<0.005	<0.005	<0.001	<0.05	0.2	0.01	<0.02	<0.5	0.6	93
X787045		3.8	0.47	10	0.1	<0.01	<0.005	<0.005	<0.001	<0.05	0.3	<0.01	<0.02	<0.5	0.8	97
X787050		3.2	0.41	10	0.4	0.02	<0.005	<0.005	0.001	<0.05	0.2	0.01	<0.02	<0.5	0.6	82
X787055		3.5	0.41	10	0.2	0.02	<0.005	<0.005	<0.001	<0.05	<0.2	0.01	<0.02	<0.5	0.7	86

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Sample Description	Method Analyte Units LOD	ME-4ACD81 Cu ppm 1	ME-4ACD81 Li ppm 10	ME-4ACD81 Mo ppm 1	ME-4ACD81 Ni ppm 1	ME-4ACD81 Pb ppm 2	ME-4ACD81 Sc ppm 1	ME-4ACD81 Zn ppm 2	Se-MS46 Se ppm 0.003
X787003		26	10	<1	417	2	43	101	0.126
X787008		27	10	<1	410	<2	41	97	0.140
X787013		30	20	<1	393	<2	41	95	0.087
X787018		51	20	<1	375	<2	40	90	0.061
X787024		50	10	<1	411	<2	26	93	0.051
X787029		49	10	<1	401	<2	29	91	0.070
X787034		40	10	<1	375	<2	35	86	0.074
X787040		32	10	<1	377	<2	35	91	0.066
X787045		35	10	<1	408	<2	41	94	0.141
X787050		26	20	<1	336	<2	30	81	0.067
X787055		17	20	<1	363	<2	37	87	0.035

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CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
C-IR07	FND-02	ME-4ACD81	ME-ICP06
ME-MS42	ME-MS81	OA-GRA05	Se-MS46
S-IR08	TOT-ICP06		