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: 15-APR-2019
Account: MZI

CERTIFICATE TB19078541

Project: EMB
P.O. No.: 198288
This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 2-APR-2019.
The following have access to data associated with this certificate:

KAITLYN CHOVANCAK	JILL MAXWELL	LDIM WEBTRIEVE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Se-MS46	Super Trace Se 25g AR by ICP-MS	ICP-MS
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	
Ni-OG62	Ore Grade Ni - Four Acid	
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

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: TB19060903 MZI *****

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS TB19078541

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
X789261		15.40	0.12	0.10	28.9	21.7	0.07	0.03	<0.002	<0.01	0.05	<0.01	0.03	0.02	34.9	101.32
X789262		83.6	5.38	3.12	0.04	0.45	0.06	0.67	0.015	0.32	0.19	0.11	<0.01	0.07	5.32	99.35
X789263		69.2	16.35	2.61	4.42	1.08	4.82	0.35	0.004	0.13	0.02	0.01	0.05	0.03	1.37	100.44
X789264		66.1	17.10	3.70	4.60	1.56	4.95	0.34	0.006	0.31	0.04	0.02	0.05	0.03	1.97	100.78
X789265		72.3	13.40	2.48	3.60	0.96	3.95	0.25	0.006	0.17	0.02	0.03	0.05	0.02	1.24	98.48
X789266		68.9	15.90	3.08	4.43	1.07	4.81	0.26	0.005	0.24	0.02	0.02	0.05	0.03	1.14	99.96
X789267		69.2	17.00	3.14	4.72	1.13	4.92	0.21	0.006	0.23	0.03	0.02	0.06	0.03	1.22	101.92
X789268		75.4	14.50	0.97	3.50	0.28	4.88	0.16	0.004	0.03	<0.01	0.01	0.06	0.03	0.59	100.41
X789269		67.4	15.80	2.72	4.50	1.42	4.70	0.19	0.007	0.17	0.03	0.01	0.05	0.02	1.71	98.73
X789270		48.9	6.75	12.85	8.94	15.50	0.70	0.05	0.161	0.31	0.21	0.01	<0.01	<0.01	3.95	98.33
X789271		51.0	3.63	11.65	10.65	17.75	0.39	0.06	0.231	0.33	0.22	0.02	<0.01	<0.01	2.34	98.27
X789272		51.4	3.18	10.40	10.90	18.40	0.41	0.05	0.211	0.34	0.21	0.01	<0.01	<0.01	2.64	98.15
X789273		52.7	2.93	9.87	10.75	19.80	0.31	0.08	0.271	0.29	0.21	0.02	<0.01	<0.01	2.68	99.91
X789274		52.2	2.56	9.71	9.44	20.9	0.24	0.03	0.344	0.23	0.18	0.01	<0.01	<0.01	3.66	99.50
X789275		51.2	3.00	9.55	10.30	20.4	0.24	0.04	0.416	0.21	0.19	0.01	<0.01	<0.01	3.50	99.06
X789276		45.4	3.41	9.53	11.90	20.2	0.16	0.06	0.408	0.23	0.15	0.02	<0.01	<0.01	7.20	98.67
X789277		41.7	2.42	9.69	13.70	20.2	0.08	0.03	0.444	0.22	0.13	0.01	<0.01	<0.01	11.45	100.07
X789278		46.0	3.23	10.40	11.25	23.9	0.35	0.08	0.494	0.27	0.18	0.02	0.01	<0.01	5.02	101.20
X789279		45.0	3.40	11.05	10.15	24.9	0.42	0.08	0.485	0.29	0.18	0.01	0.01	<0.01	4.95	100.93
X789280		44.1	3.79	11.30	9.60	24.7	0.45	0.09	0.475	0.29	0.18	0.01	0.01	<0.01	4.91	99.91
X789281		47.1	12.85	20.9	6.27	6.85	2.18	0.62	0.035	1.30	0.19	0.15	0.03	0.02	1.11	99.61
X789282		44.2	3.36	12.50	9.39	25.5	0.40	0.08	0.493	0.32	0.19	0.01	0.01	<0.01	5.05	101.50
X789283		43.8	3.95	12.80	8.79	24.5	0.38	0.09	0.478	0.29	0.21	0.01	0.01	<0.01	5.36	100.67
X789284		43.3	4.39	12.75	8.95	23.2	0.29	0.12	0.461	0.26	0.23	0.01	0.01	0.01	6.44	100.42
X789285		43.9	4.36	15.05	7.53	24.4	0.39	0.10	0.503	0.25	0.20	0.01	0.01	<0.01	5.09	101.79
X789286		44.6	5.14	14.15	6.70	23.0	0.50	0.34	0.463	0.21	0.22	0.01	0.01	0.02	4.70	100.06
X789287		41.9	4.45	14.35	6.76	25.3	0.41	0.09	0.540	0.24	0.19	<0.01	0.01	<0.01	5.75	99.99
X789288		44.9	4.81	14.15	8.20	24.2	0.48	0.11	0.488	0.27	0.21	0.01	0.01	<0.01	3.82	101.66
X789289		43.7	4.88	14.15	8.78	23.4	0.50	0.09	0.473	0.26	0.20	<0.01	0.01	<0.01	3.49	99.93
X789290		44.1	5.08	14.15	8.06	23.1	0.43	0.18	0.466	0.23	0.20	0.01	0.01	0.01	4.08	100.11
X789291		45.0	3.94	14.20	7.60	22.9	0.19	0.09	0.477	0.26	0.23	0.01	<0.01	<0.01	5.13	100.03
X789292		42.4	4.64	13.75	7.37	24.2	0.13	0.04	0.497	0.23	0.19	<0.01	<0.01	<0.01	5.54	98.99
X789293		46.0	5.34	12.75	8.57	21.5	0.38	0.25	0.429	0.27	0.22	<0.01	0.01	0.01	4.22	99.95
X789294		45.7	4.65	12.85	7.89	23.0	0.16	0.06	0.454	0.27	0.23	<0.01	<0.01	<0.01	4.91	100.17
X789295		43.1	4.29	13.45	7.57	24.5	0.16	0.05	0.504	0.25	0.20	<0.01	<0.01	<0.01	5.67	99.74
X789296		42.1	4.34	13.15	7.65	24.9	0.15	0.02	0.511	0.24	0.20	0.02	<0.01	<0.01	6.31	99.59
X789297		40.8	4.54	12.90	7.16	24.0	0.07	0.02	0.506	0.23	0.19	0.01	0.01	<0.01	7.56	98.00
X789298		41.0	4.95	12.95	7.97	23.9	0.06	0.06	0.485	0.22	0.21	0.01	0.01	<0.01	8.60	100.43
X789299		42.8	6.19	12.70	8.26	22.4	0.11	0.07	0.464	0.20	0.20	0.01	<0.01	<0.01	6.72	100.12
X789300		42.0	4.82	13.50	7.78	23.7	0.09	0.03	0.498	0.21	0.20	<0.01	0.01	<0.01	7.81	100.65

Comments: ***** ORIGINALLY FROM WO: TB19060903 MZI *****

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556 TENTH AVE
THUNDER BAY ON P7B 2R2

Finalized Date: 15-APR-2019
Account: MZI

Project: EMB

CERTIFICATE OF ANALYSIS TB19078541

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
X789261		9.20	<0.01	198.5	1.0	10	0.17	0.10	0.05	<0.03	0.2	0.07	<5	<0.2	0.02	0.8
X789262		3.91	0.01	631	227	110	1.13	1.44	1.01	0.52	6.9	1.57	<5	1.9	0.30	164.5
X789263		0.14	0.04	246	14.5	30	1.01	0.11	0.07	0.74	20.4	0.30	<5	0.7	0.02	9.6
X789264		0.23	0.06	249	19.0	50	1.10	0.26	0.14	0.75	20.9	0.54	<5	1.1	0.05	11.6
X789265		0.18	0.10	203	20.5	50	0.89	0.23	0.12	0.63	16.9	0.42	<5	1.0	0.04	13.0
X789266		0.20	0.08	245	17.2	40	2.19	0.17	0.07	0.67	20.1	0.31	<5	0.9	0.02	11.3
X789267		0.16	0.07	245	18.9	50	1.11	0.12	0.07	0.78	20.7	0.31	<5	0.9	0.02	12.6
X789268		0.10	0.04	272	12.2	30	0.37	0.06	0.03	0.55	16.4	0.17	<5	0.6	0.02	8.2
X789269		0.25	0.02	167.0	7.2	50	1.19	0.11	0.06	0.46	17.9	0.16	<5	0.3	0.03	5.1
X789270		0.32	0.14	13.2	12.4	1270	0.60	1.36	0.78	0.55	12.3	1.74	<5	1.1	0.28	5.4
X789271		0.07	0.01	10.6	14.8	1790	0.86	1.65	0.86	0.46	8.1	2.09	<5	1.2	0.32	5.4
X789272		0.16	0.03	13.1	20.8	1610	1.18	1.58	0.84	0.49	7.4	2.05	<5	1.6	0.30	8.4
X789273		0.16	0.01	10.4	14.3	2040	1.54	1.28	0.66	0.39	6.6	1.55	<5	1.1	0.23	5.7
X789274		0.33	0.09	5.0	9.1	2580	0.55	0.84	0.49	0.25	5.3	0.95	<5	0.8	0.17	4.4
X789275		0.26	0.01	6.7	6.2	3120	1.26	0.78	0.52	0.26	5.1	0.95	<5	0.5	0.17	3.0
X789276		1.15	0.08	8.3	6.8	3040	2.07	1.00	0.57	0.31	5.2	1.19	<5	0.6	0.20	2.9
X789277		2.26	0.05	33.6	5.8	3280	1.38	0.93	0.63	0.30	4.1	1.09	<5	0.5	0.20	2.4
X789278		0.18	0.02	32.1	6.8	3650	1.64	1.20	0.72	0.38	5.0	1.46	<5	0.6	0.26	2.6
X789279		0.08	0.01	29.3	7.0	3610	1.28	1.36	0.76	0.41	5.2	1.58	<5	0.7	0.27	2.4
X789280		0.05	<0.01	37.9	7.5	3500	1.23	1.44	0.85	0.47	5.9	1.76	<5	0.7	0.28	2.8
X789281		0.09	1.72	207	25.9	290	0.92	2.39	1.39	1.06	16.9	2.72	<5	2.8	0.50	11.7
X789282		0.08	0.01	26.6	7.0	3640	1.03	1.64	0.95	0.48	5.7	1.81	<5	0.8	0.32	2.6
X789283		0.18	0.04	30.3	5.7	3470	1.62	1.49	0.83	0.42	6.1	1.62	<5	0.6	0.28	2.1
X789284		0.47	0.07	48.6	4.9	3410	1.88	1.23	0.80	0.39	6.3	1.40	<5	0.5	0.26	1.9
X789285		0.04	0.02	37.1	5.0	3660	2.15	1.13	0.68	0.37	6.3	1.29	<5	0.5	0.23	2.0
X789286		0.08	0.03	138.0	4.3	3620	3.71	0.89	0.52	0.28	7.4	0.94	<5	0.4	0.17	1.5
X789287		0.04	0.02	34.1	4.6	4000	3.15	1.12	0.70	0.36	6.1	1.27	<5	0.5	0.22	1.9
X789288		0.05	0.02	42.7	4.6	3590	1.94	1.28	0.80	0.35	6.7	1.40	<5	0.5	0.26	1.7
X789289		0.03	0.01	35.2	4.7	3550	1.38	1.38	0.82	0.39	6.6	1.41	<5	0.5	0.26	1.8
X789290		0.05	0.01	87.3	4.0	3810	2.53	1.07	0.64	0.40	6.8	1.15	<5	0.5	0.23	1.5
X789291		0.06	0.02	32.9	5.2	3580	2.53	1.15	0.72	0.41	6.5	1.27	<5	0.5	0.24	2.2
X789292		0.09	0.01	14.2	3.5	3790	0.95	1.11	0.64	0.25	6.3	1.09	<5	0.4	0.23	1.4
X789293		0.06	0.01	120.5	4.5	3620	2.96	1.26	0.75	0.36	7.8	1.32	<5	0.5	0.27	1.7
X789294		0.07	0.02	19.6	4.7	3390	1.18	1.12	0.75	0.27	6.9	1.20	<5	0.5	0.26	1.9
X789295		0.13	0.02	18.0	4.4	3690	0.89	1.08	0.73	0.30	6.2	1.31	<5	0.5	0.24	1.7
X789296		0.20	0.01	10.2	4.6	3800	0.43	1.22	0.71	0.35	6.2	1.31	<5	0.5	0.24	1.8
X789297		0.59	0.01	5.5	4.1	3760	0.80	1.05	0.63	0.31	6.3	1.17	<5	0.4	0.23	1.6
X789298		0.99	0.02	6.6	4.2	3930	1.12	1.16	0.63	0.34	6.4	1.25	<5	0.5	0.23	1.6
X789299		0.57	0.02	15.8	3.9	3690	1.84	1.11	0.60	0.31	7.2	1.16	<5	0.6	0.21	1.5
X789300		0.86	0.03	4.1	4.0	3880	0.88	1.03	0.62	0.32	5.8	1.19	<5	0.4	0.21	1.6

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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
X789261		0.01	<0.2	0.4	0.12	0.8	0.09	<1	259	<0.1	0.01	0.10	0.01	0.17	<5	1
X789262		0.17	5.6	53.5	19.70	24.3	3.47	2	58.9	0.4	0.23	6.09	0.14	7.97	88	4
X789263		0.01	0.2	3.9	1.34	7.5	0.53	<1	419	0.1	0.03	0.44	0.01	0.09	42	1
X789264		0.02	0.9	6.0	1.87	7.9	0.87	<1	432	0.1	0.06	0.97	0.03	0.11	52	<1
X789265		0.02	0.7	5.6	1.95	5.6	0.80	<1	386	0.1	0.05	0.51	0.02	0.06	28	<1
X789266		0.02	0.6	4.7	1.61	5.5	0.57	<1	437	0.1	0.03	0.35	0.01	0.05	53	<1
X789267		0.02	0.4	4.8	1.70	4.1	0.58	<1	462	<0.1	0.03	0.31	0.01	0.05	44	<1
X789268		0.01	<0.2	3.1	1.08	1.8	0.34	<1	494	<0.1	0.02	0.21	0.01	0.06	7	1
X789269		0.01	0.2	2.0	0.64	4.2	0.24	<1	412	<0.1	0.02	0.13	0.01	0.05	36	<1
X789270		0.11	0.3	7.9	1.80	1.2	1.86	<1	45.6	0.1	0.23	0.25	0.12	0.05	216	1
X789271		0.12	0.3	10.3	2.25	1.3	2.26	<1	23.0	0.1	0.29	0.22	0.12	<0.05	233	1
X789272		0.12	0.6	12.3	2.96	1.4	2.56	<1	27.6	0.1	0.28	0.55	0.12	0.06	220	1
X789273		0.10	0.4	8.4	2.01	1.8	1.71	<1	19.7	0.3	0.22	0.30	0.10	<0.05	224	<1
X789274		0.07	0.5	5.0	1.19	0.5	1.01	<1	16.3	0.1	0.13	0.34	0.08	<0.05	178	1
X789275		0.07	0.2	3.8	0.88	1.3	1.05	1	19.5	0.1	0.14	0.23	0.08	<0.05	171	3
X789276		0.08	0.3	4.9	1.07	2.2	1.24	<1	24.9	0.1	0.17	0.22	0.08	0.08	142	1
X789277		0.08	0.3	4.6	0.97	1.3	1.23	<1	34.6	0.1	0.18	0.14	0.08	0.05	130	1
X789278		0.10	0.2	5.8	1.14	2.7	1.58	<1	52.4	0.1	0.21	0.12	0.10	<0.05	146	1
X789279		0.12	0.2	6.3	1.19	2.2	1.76	1	63.3	0.1	0.23	0.13	0.12	<0.05	142	6
X789280		0.10	0.3	6.4	1.27	2.2	1.79	<1	75.9	0.1	0.26	0.22	0.13	<0.05	152	1
X789281		0.19	7.4	13.1	3.25	16.2	3.09	3	269	0.4	0.43	1.57	0.22	0.46	136	3
X789282		0.13	0.3	6.3	1.22	2.4	1.94	1	55.9	0.1	0.30	0.16	0.13	<0.05	162	4
X789283		0.12	0.2	5.2	1.01	2.7	1.62	<1	67.4	0.1	0.25	0.13	0.12	<0.05	157	1
X789284		0.12	0.3	4.6	0.90	5.5	1.40	<1	61.7	0.1	0.22	0.14	0.10	0.05	150	1
X789285		0.09	0.2	4.2	0.84	3.3	1.26	1	64.0	0.1	0.19	0.12	0.10	<0.05	154	2
X789286		0.08	0.4	3.1	0.67	12.9	0.91	<1	95.4	0.1	0.14	0.19	0.08	0.06	149	1
X789287		0.10	<0.2	3.9	0.77	2.7	1.15	<1	79.4	0.1	0.18	0.08	0.10	<0.05	149	1
X789288		0.10	<0.2	4.2	0.83	3.1	1.31	<1	91.8	0.1	0.22	0.08	0.10	<0.05	168	<1
X789289		0.10	<0.2	4.5	0.83	2.0	1.35	<1	97.7	0.1	0.21	0.10	0.11	<0.05	164	1
X789290		0.10	<0.2	3.4	0.68	5.8	1.05	<1	96.5	<0.1	0.18	0.07	0.10	<0.05	166	1
X789291		0.12	0.2	4.4	0.87	3.3	1.30	<1	43.9	0.1	0.18	0.09	0.09	<0.05	181	1
X789292		0.09	<0.2	3.7	0.65	1.8	1.10	<1	31.3	0.1	0.18	0.08	0.09	<0.05	154	1
X789293		0.11	<0.2	3.8	0.75	9.5	1.29	<1	122.5	<0.1	0.19	0.10	0.12	<0.05	188	<1
X789294		0.12	<0.2	4.1	0.79	2.0	1.24	<1	43.8	0.1	0.19	0.08	0.10	<0.05	170	1
X789295		0.09	<0.2	4.0	0.80	1.9	1.27	<1	33.2	0.1	0.20	0.09	0.11	<0.05	159	<1
X789296		0.10	<0.2	4.3	0.81	1.0	1.24	1	36.5	0.2	0.19	0.10	0.11	<0.05	150	2
X789297		0.10	<0.2	3.8	0.72	1.0	1.22	<1	80.3	0.1	0.18	0.08	0.09	<0.05	154	2
X789298		0.09	<0.2	3.5	0.68	1.5	1.13	<1	107.5	0.1	0.18	0.14	0.08	0.05	149	1
X789299		0.08	0.3	3.4	0.62	3.5	1.12	<1	54.1	0.1	0.17	0.24	0.09	0.10	136	1
X789300		0.08	0.2	3.3	0.67	0.9	1.00	<1	86.8	0.1	0.17	0.10	0.09	<0.05	141	1

Comments: ***** ORIGINALLY FROM WO: TB19060903 MZI *****

***** See Appendix Page for comments regarding this certificate *****

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: 15-APR-2019
Account: MZI

Project: EMB

CERTIFICATE OF ANALYSIS TB19078541

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
X789261		0.6	0.07	3	0.2	0.03	<0.005	0.056	<0.001	0.05	<0.2	0.01	0.02	<0.5	<0.5	1
X789262		10.5	1.04	78	6.0	15.30	0.057	0.129	0.003	0.40	2.8	0.41	0.04	0.8	<0.5	63
X789263		0.7	0.08	29	0.1	0.03	<0.005	0.016	<0.001	<0.05	<0.2	0.01	<0.02	<0.5	<0.5	6
X789264		1.4	0.12	41	0.1	0.23	<0.005	0.013	<0.001	<0.05	<0.2	0.02	<0.02	<0.5	<0.5	10
X789265		1.1	0.10	42	0.1	0.06	<0.005	0.010	0.002	<0.05	<0.2	0.01	0.02	<0.5	<0.5	8
X789266		0.7	0.10	36	0.1	0.04	<0.005	0.009	<0.001	<0.05	<0.2	0.01	0.03	<0.5	<0.5	7
X789267		0.6	0.08	37	0.1	0.15	<0.005	0.008	<0.001	<0.05	<0.2	0.06	0.02	<0.5	<0.5	9
X789268		0.3	0.04	20	0.2	0.15	<0.005	0.007	<0.001	<0.05	<0.2	0.06	<0.02	<0.5	<0.5	2
X789269		0.6	0.08	13	0.1	0.04	<0.005	0.011	<0.001	<0.05	<0.2	0.01	<0.02	<0.5	<0.5	10
X789270		7.1	0.78	40	0.1	0.38	<0.005	0.015	<0.001	<0.05	0.3	0.05	0.02	<0.5	0.9	63
X789271		8.2	0.81	39	<0.1	0.10	<0.005	0.008	<0.001	<0.05	<0.2	0.02	<0.02	<0.5	0.7	63
X789272		7.9	0.77	52	<0.1	0.26	<0.005	0.008	<0.001	<0.05	<0.2	0.12	0.02	<0.5	0.8	68
X789273		6.4	0.66	36	<0.1	0.13	<0.005	<0.005	<0.001	<0.05	<0.2	0.04	0.02	<0.5	0.7	66
X789274		4.4	0.48	30	0.1	0.11	<0.005	<0.005	<0.001	<0.05	<0.2	0.01	0.03	<0.5	0.8	68
X789275		4.6	0.52	18	0.1	0.03	<0.005	<0.005	<0.001	<0.05	<0.2	0.01	0.02	<0.5	0.6	65
X789276		5.3	0.54	17	0.1	0.08	<0.005	0.009	<0.001	<0.05	0.2	0.02	0.03	<0.5	0.6	78
X789277		5.1	0.56	16	0.2	0.05	<0.005	0.018	0.001	<0.05	<0.2	0.01	0.04	<0.5	0.7	83
X789278		6.7	0.65	18	<0.1	0.02	<0.005	0.016	<0.001	<0.05	<0.2	0.01	0.03	<0.5	0.6	89
X789279		7.6	0.70	20	0.1	0.01	<0.005	0.012	<0.001	<0.05	<0.2	0.01	0.02	<0.5	1.0	95
X789280		8.2	0.79	18	0.1	0.01	<0.005	0.011	<0.001	<0.05	<0.2	0.01	<0.02	<0.5	0.8	90
X789281		13.1	1.30	109	4.2	0.67	0.007	0.067	0.004	0.34	4.7	0.54	0.08	1.7	1.3	119
X789282		8.8	0.81	22	0.1	0.01	<0.005	0.009	<0.001	<0.05	<0.2	<0.01	0.02	<0.5	0.8	103
X789283		7.7	0.81	17	0.1	0.02	<0.005	0.009	<0.001	<0.05	<0.2	0.01	0.08	<0.5	0.9	101
X789284		7.1	0.70	16	0.2	0.05	<0.005	0.012	0.011	<0.05	0.2	0.03	0.13	<0.5	0.8	98
X789285		6.2	0.63	15	0.2	0.03	<0.005	0.010	<0.001	<0.05	<0.2	0.01	0.08	<0.5	0.8	110
X789286		4.9	0.53	11	0.4	0.02	<0.005	0.008	<0.001	<0.05	<0.2	0.01	0.12	<0.5	0.7	106
X789287		6.2	0.63	12	<0.1	0.01	<0.005	0.009	<0.001	<0.05	<0.2	<0.01	0.15	<0.5	0.6	110
X789288		7.0	0.72	13	0.1	0.01	<0.005	0.006	<0.001	<0.05	<0.2	<0.01	0.03	<0.5	0.8	99
X789289		7.1	0.70	13	<0.1	<0.01	<0.005	0.005	<0.001	<0.05	<0.2	<0.01	0.05	<0.5	1.1	113
X789290		6.1	0.59	11	0.1	<0.01	<0.005	0.007	<0.001	<0.05	0.2	<0.01	0.06	<0.5	0.7	103
X789291		6.7	0.69	12	0.1	0.01	<0.005	0.014	<0.001	<0.05	<0.2	<0.01	0.15	<0.5	0.9	95
X789292		5.9	0.60	11	0.3	0.01	<0.005	0.014	<0.001	<0.05	<0.2	<0.01	0.03	<0.5	0.7	109
X789293		6.7	0.76	13	0.6	0.01	<0.005	0.012	<0.001	<0.05	<0.2	0.01	0.04	<0.5	1.0	91
X789294		6.6	0.68	12	0.1	0.01	<0.005	0.017	<0.001	0.06	<0.2	<0.01	0.04	<0.5	0.9	96
X789295		6.4	0.62	12	0.2	0.01	<0.005	0.013	<0.001	0.05	0.2	<0.01	0.03	<0.5	0.7	97
X789296		6.4	0.68	13	0.3	0.01	<0.005	0.013	<0.001	0.07	<0.2	<0.01	<0.02	<0.5	0.8	103
X789297		6.1	0.61	12	7.4	0.02	<0.005	0.021	<0.001	0.13	<0.2	0.01	0.02	<0.5	0.8	102
X789298		6.2	0.57	13	1.1	0.02	<0.005	0.018	<0.001	0.09	<0.2	0.01	0.02	<0.5	0.8	96
X789299		6.0	0.63	16	7.3	0.03	<0.005	0.014	<0.001	0.09	<0.2	0.01	0.03	<0.5	0.8	90
X789300		5.7	0.55	11	0.7	0.02	<0.005	0.018	<0.001	0.08	<0.2	0.01	0.03	<0.5	0.9	99

Comments: ***** ORIGINALLY FROM WO: TB19060903 MZI *****

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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: 15-APR-2019
Account: MZI

Project: EMB

CERTIFICATE OF ANALYSIS TB19078541

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	Cu-OG62 Cu % 0.001	Ni-OG62 Ni % 0.001	Se-MS46 Se ppm 0.003
X789261		5	10	<1	6	<2	<1	18			0.007
X789262		88	10	6	88	53	5	46			2.96
X789263		13	10	2	8	2	3	30			0.028
X789264		22	20	2	12	2	5	44			0.041
X789265		47	10	3	10	<2	2	23			0.070
X789266		35	10	3	6	2	3	23			0.054
X789267		28	10	2	11	3	2	43			0.049
X789268		25	<10	3	3	5	1	10			0.043
X789269		12	10	2	15	4	4	32			0.023
X789270		273	20	1	329	4	52	145			0.201
X789271		80	10	<1	308	3	59	112			0.029
X789272		251	10	1	383	<2	60	78			0.091
X789273		83	10	<1	311	<2	56	64			0.049
X789274		28	<10	<1	322	<2	50	63			0.097
X789275		17	10	1	357	<2	47	60			0.011
X789276		25	10	<1	487	<2	39	57			0.050
X789277		24	<10	3	560	<2	36	53			0.036
X789278		62	10	<1	588	<2	39	75			0.021
X789279		24	10	<1	673	<2	36	64			0.012
X789280		4	10	1	701	<2	35	58			0.007
X789281		4530	20	5	4510	21	13	107			4.23
X789282		15	10	1	742	<2	36	86			0.013
X789283		19	10	<1	721	<2	34	90			0.031
X789284		51	10	37	658	<2	31	113			0.050
X789285		8	10	<1	694	<2	29	83			0.012
X789286		12	10	1	711	<2	27	96			0.016
X789287		5	10	<1	759	<2	27	80			0.010
X789288		9	10	<1	690	<2	32	90			0.011
X789289		3	10	<1	727	<2	34	85			0.003
X789290		3	10	<1	710	<2	31	77			0.006
X789291		5	10	<1	677	<2	36	77			0.018
X789292		2	<10	<1	742	<2	31	90			0.011
X789293		25	10	<1	602	<2	37	86			0.027
X789294		33	<10	<1	670	<2	35	93			0.034
X789295		30	<10	<1	670	<2	29	78			0.024
X789296		21	<10	<1	746	<2	29	85			0.020
X789297		13	<10	<1	728	2	28	99			0.011
X789298		18	<10	<1	687	<2	26	93			0.030
X789299		17	<10	<1	646	<2	25	96			0.028
X789300		47	<10	<1	715	<2	28	92			0.033

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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: 15-APR-2019
Account: MZI

Project: EMB

CERTIFICATE OF ANALYSIS TB19078541

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
X789301		18.45	0.06	0.14	27.9	21.7	0.02	0.01	0.004	<0.01	0.05	<0.01	0.02	0.04	32.4	100.79
X789302		42.2	4.59	14.00	7.52	23.4	0.09	0.03	0.505	0.22	0.21	0.01	<0.01	<0.01	7.59	100.37
X789303		42.7	5.10	13.65	7.53	24.0	0.08	0.02	0.494	0.19	0.20	0.01	<0.01	<0.01	6.65	100.62
X789304		43.2	3.65	15.15	7.26	24.1	0.09	0.05	0.494	0.22	0.23	0.01	<0.01	<0.01	5.67	100.12
X789305		43.5	3.39	15.65	7.31	24.5	0.11	0.01	0.511	0.23	0.24	0.01	<0.01	<0.01	5.59	101.05
X789306		43.2	3.50	15.55	7.08	23.5	0.07	0.02	0.491	0.22	0.22	0.01	<0.01	<0.01	5.94	99.80
X789307		44.3	3.52	13.00	9.74	21.3	0.11	0.02	0.470	0.21	0.18	0.01	<0.01	<0.01	6.84	99.70
X789308		50.8	7.32	11.60	9.86	16.50	1.01	0.35	0.275	0.27	0.22	<0.01	0.01	0.01	2.70	100.93
X789309		51.2	15.05	8.81	11.15	8.25	2.41	1.00	0.074	0.35	0.17	<0.01	0.04	0.02	2.01	100.53
X789310		50.6	15.90	8.70	12.10	8.23	2.23	0.59	0.065	0.26	0.18	<0.01	0.04	0.01	1.67	100.58
X789311		50.6	14.50	9.14	10.95	10.20	1.95	0.67	0.098	0.22	0.19	<0.01	0.03	0.02	2.06	100.63
X789312		50.6	11.50	10.05	10.40	13.65	1.36	0.56	0.150	0.24	0.20	0.01	0.02	0.01	2.63	101.38
X789313		50.6	9.30	10.70	10.10	15.35	1.09	0.60	0.183	0.24	0.21	0.01	0.01	0.01	2.57	100.97
X789314		51.2	11.55	9.88	10.35	12.55	1.55	0.79	0.136	0.23	0.19	<0.01	0.02	0.02	2.33	100.80
X789315		51.1	12.55	10.20	10.45	11.35	1.75	1.04	0.127	0.23	0.20	0.01	0.03	0.02	2.62	101.68
X789316		51.2	7.48	12.50	9.44	15.60	0.88	0.53	0.202	0.23	0.26	<0.01	0.01	0.01	2.53	100.87
X789317		51.9	7.38	11.35	9.35	15.75	0.91	1.04	0.201	0.24	0.22	<0.01	0.01	0.02	2.18	100.55
X789318		50.6	6.70	11.75	9.77	17.25	0.66	0.79	0.219	0.27	0.24	0.02	<0.01	0.01	2.58	100.86
X789319		51.2	7.63	10.45	9.96	16.10	0.89	0.91	0.202	0.25	0.21	0.01	0.01	0.02	2.52	100.36
X789320		49.6	12.80	9.90	12.60	10.40	1.34	0.85	0.118	0.29	0.23	<0.01	0.02	0.02	2.24	100.41
X789321		33.6	10.30	25.5	4.93	6.91	1.56	0.41	0.050	0.87	0.14	0.11	0.02	0.01	6.78	91.19
X789322		49.8	13.00	9.04	11.50	11.40	1.42	0.97	0.153	0.24	0.21	<0.01	0.03	0.04	2.19	99.99
X789323		49.3	5.10	12.20	8.84	19.55	0.35	0.26	0.366	0.27	0.23	0.01	<0.01	<0.01	2.41	98.89
X789324		50.8	5.24	12.60	7.64	20.0	0.50	0.26	0.360	0.25	0.23	0.01	<0.01	0.01	1.57	99.47
X789325		50.5	5.74	12.10	8.14	19.45	0.47	0.35	0.358	0.26	0.23	0.01	<0.01	0.01	2.66	100.28
X789326		50.3	5.21	12.55	8.21	20.2	0.39	0.24	0.382	0.27	0.21	<0.01	<0.01	<0.01	2.37	100.33
X789327		49.3	4.55	12.50	8.46	20.7	0.23	0.06	0.371	0.25	0.24	0.01	<0.01	<0.01	3.44	100.11
X789328		50.0	5.22	11.35	9.37	19.15	0.57	0.16	0.357	0.27	0.22	0.01	0.01	0.01	2.85	99.55
X789329		49.8	5.43	11.55	9.40	19.55	0.50	0.09	0.366	0.25	0.23	0.01	<0.01	<0.01	3.22	100.40
X789330		49.7	5.66	11.45	9.18	18.60	0.64	0.15	0.360	0.24	0.22	0.01	0.01	<0.01	3.18	99.40
X789331		49.9	5.10	12.05	9.84	19.50	0.36	0.07	0.381	0.25	0.24	0.01	<0.01	<0.01	3.35	101.05
X789332		48.1	5.16	12.20	10.30	20.1	0.44	0.06	0.376	0.25	0.23	0.01	<0.01	<0.01	3.28	100.51
X789333		47.4	4.92	12.20	10.00	20.4	0.34	0.05	0.385	0.25	0.22	0.02	<0.01	<0.01	3.90	100.09
X789334		46.8	4.82	12.20	9.81	20.3	0.32	0.07	0.385	0.25	0.21	<0.01	<0.01	<0.01	3.94	99.11
X789335		47.3	4.98	12.20	9.80	20.2	0.39	0.05	0.379	0.25	0.22	0.01	<0.01	<0.01	3.41	99.19
X789336		47.4	4.95	12.40	9.72	20.5	0.38	0.20	0.387	0.25	0.21	0.01	<0.01	<0.01	3.93	100.34
X789337		46.8	4.91	12.15	9.58	20.3	0.36	0.07	0.384	0.25	0.21	0.01	<0.01	<0.01	3.59	98.61
X789338		45.5	12.85	21.2	6.47	6.98	2.18	0.64	0.034	1.27	0.19	0.16	0.03	0.02	1.11	98.63

Comments: ***** ORIGINALLY FROM WO: TB19060903 MZI *****

***** See Appendix Page for comments regarding this certificate *****

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: 15-APR-2019
Account: MZI

Project: EMB

CERTIFICATE OF ANALYSIS TB19078541

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
X789301		8.56	0.01	345	0.6	20	0.18	0.05	0.03	<0.03	0.1	<0.05	<5	<0.2	0.01	0.7
X789302		0.82	0.02	15.4	4.0	4020	1.23	1.09	0.68	0.38	6.2	1.11	<5	0.4	0.22	1.6
X789303		0.39	0.02	6.8	3.3	3840	0.69	0.97	0.55	0.37	6.2	1.07	<5	0.4	0.21	1.4
X789304		0.15	0.01	8.7	3.5	3890	0.44	1.12	0.64	0.28	5.6	1.13	<5	0.4	0.23	1.5
X789305		0.07	0.01	8.8	3.3	3950	0.46	1.17	0.69	0.32	5.5	1.15	<5	0.4	0.24	1.3
X789306		0.33	0.02	16.8	2.8	3830	0.80	1.10	0.68	0.21	5.7	1.07	<5	0.4	0.23	1.1
X789307		0.96	0.25	4.1	3.3	3620	0.71	0.94	0.58	0.21	5.4	0.95	<5	0.4	0.20	1.5
X789308		0.02	0.01	86.9	4.6	2130	1.66	1.32	0.82	0.37	8.6	1.31	<5	0.4	0.27	2.0
X789309		0.04	0.02	170.5	2.3	580	2.31	1.24	0.84	0.38	14.8	0.94	<5	0.4	0.27	1.2
X789310		0.05	0.02	119.5	1.7	500	2.04	1.12	0.73	0.36	15.3	0.87	<5	0.3	0.24	1.0
X789311		0.05	0.01	138.5	1.9	750	1.97	0.93	0.65	0.35	13.3	0.90	<5	0.3	0.22	1.0
X789312		0.02	0.02	107.0	3.0	1150	1.62	1.07	0.70	0.36	10.9	1.02	<5	0.3	0.23	1.4
X789313		0.02	0.01	89.3	3.3	1410	2.26	1.14	0.71	0.38	9.4	1.01	<5	0.4	0.23	1.5
X789314		0.03	0.01	174.0	2.3	1050	1.73	0.98	0.68	0.34	11.8	0.87	<5	0.3	0.22	1.1
X789315		0.05	0.03	149.0	2.2	960	1.93	1.00	0.66	0.31	12.2	0.82	<5	0.3	0.21	1.2
X789316		0.02	0.04	91.2	3.4	1530	3.11	1.04	0.71	0.27	8.1	0.94	<5	0.4	0.23	1.6
X789317		0.02	0.02	158.5	4.3	1540	7.50	1.11	0.69	0.33	8.6	1.05	<5	0.8	0.23	1.9
X789318		0.04	0.03	110.0	4.2	1680	5.14	1.21	0.80	0.39	8.0	1.30	<5	0.6	0.27	1.8
X789319		0.04	0.01	149.0	5.2	1520	3.80	1.22	0.74	0.38	9.1	1.21	<5	0.7	0.25	2.3
X789320		0.08	0.12	172.5	2.8	920	1.71	1.24	0.80	0.39	13.2	1.12	<5	0.4	0.26	1.2
X789321		0.09	8.97	120.0	16.7	400	0.78	1.78	0.99	0.81	11.5	1.97	<5	1.6	0.37	7.7
X789322		0.07	0.07	328	4.2	1160	2.67	1.14	0.72	0.43	12.1	1.14	<5	0.3	0.25	1.9
X789323		0.09	0.04	37.6	4.3	2810	2.12	1.30	0.73	0.34	7.0	1.34	<5	0.5	0.25	1.9
X789324		0.06	0.01	54.2	4.9	2730	1.42	1.11	0.65	0.31	7.0	1.14	<5	0.7	0.24	2.0
X789325		0.04	0.01	59.4	4.9	2670	2.13	1.18	0.73	0.35	7.2	1.20	<5	0.6	0.24	1.9
X789326		0.07	0.02	36.6	4.3	2900	1.59	1.17	0.71	0.35	6.8	1.35	<5	0.4	0.26	1.8
X789327		0.08	0.05	11.0	4.3	2820	1.02	1.12	0.71	0.29	6.2	1.20	<5	0.5	0.23	1.8
X789328		0.01	0.04	72.7	5.8	2700	1.39	1.26	0.83	0.35	7.3	1.38	<5	0.5	0.27	2.1
X789329		0.02	0.05	20.3	3.5	2730	0.44	1.12	0.73	0.30	6.8	1.21	<5	0.4	0.24	1.3
X789330		0.02	0.01	36.0	4.2	2640	1.06	1.24	0.72	0.32	7.2	1.22	<5	0.4	0.24	1.7
X789331		0.06	0.02	5.2	3.9	2790	0.55	1.19	0.75	0.32	6.5	1.17	<5	0.4	0.25	1.5
X789332		0.10	0.02	10.7	4.2	2750	0.72	1.19	0.78	0.34	7.1	1.25	<5	0.5	0.24	1.7
X789333		0.23	0.02	7.1	3.4	2740	0.59	1.14	0.68	0.30	6.6	1.12	<5	0.4	0.23	1.3
X789334		0.26	0.03	9.4	3.9	2760	0.94	1.13	0.67	0.32	6.5	1.15	<5	0.4	0.24	1.5
X789335		0.14	0.04	8.5	3.8	2740	0.62	1.12	0.68	0.29	7.0	1.12	<5	0.5	0.22	1.5
X789336		0.34	0.06	28.9	3.7	2760	2.43	1.15	0.71	0.32	6.8	1.10	<5	0.4	0.21	1.5
X789337		0.23	0.08	8.7	3.7	2780	0.89	1.10	0.67	0.28	6.7	1.22	<5	0.4	0.24	1.5
X789338		0.09	1.69	220	26.7	240	0.94	2.40	1.36	1.10	16.0	2.69	<5	2.3	0.49	12.0

Comments: ***** ORIGINALLY FROM WO: TB19060903 MZI *****

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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: 15-APR-2019
Account: MZI

Project: EMB

CERTIFICATE OF ANALYSIS TB19078541

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
X789301		<0.01	<0.2	0.2	0.06	0.4	0.05	<1	188.5	0.1	0.01	0.05	<0.01	0.29	<5	<1
X789302		0.09	0.2	3.4	0.65	2.1	0.99	<1	88.7	0.1	0.17	0.18	0.09	0.30	165	1
X789303		0.07	<0.2	3.0	0.58	1.1	0.88	<1	62.1	0.1	0.15	0.10	0.08	<0.05	142	1
X789304		0.09	0.2	3.0	0.59	1.0	1.01	<1	27.5	0.1	0.17	0.09	0.10	<0.05	170	<1
X789305		0.10	<0.2	3.1	0.60	1.0	0.98	<1	25.4	0.1	0.18	0.07	0.10	<0.05	178	<1
X789306		0.10	<0.2	2.8	0.51	1.4	0.91	<1	25.7	0.1	0.17	0.06	0.09	<0.05	183	1
X789307		0.08	0.2	2.7	0.55	1.2	0.85	<1	33.3	0.1	0.14	0.09	0.08	0.05	91	1
X789308		0.11	0.3	3.5	0.72	12.4	1.05	<1	129.5	0.1	0.20	0.09	0.11	0.07	258	1
X789309		0.13	0.3	1.8	0.32	32.7	0.68	<1	408	0.1	0.18	0.09	0.12	0.13	287	3
X789310		0.12	0.2	1.4	0.26	17.3	0.58	<1	361	0.1	0.17	<0.05	0.11	0.10	256	1
X789311		0.10	<0.2	1.7	0.32	20.0	0.55	<1	287	0.1	0.15	<0.05	0.09	<0.05	250	1
X789312		0.11	<0.2	2.6	0.47	18.2	0.85	<1	239	0.1	0.17	<0.05	0.10	<0.05	225	<1
X789313		0.12	<0.2	2.9	0.55	19.6	0.91	<1	178.0	0.1	0.18	0.07	0.11	<0.05	242	1
X789314		0.11	<0.2	2.0	0.35	24.4	0.78	<1	263	0.1	0.14	<0.05	0.09	<0.05	243	4
X789315		0.10	0.2	1.8	0.33	36.2	0.57	<1	298	0.1	0.15	0.06	0.10	0.09	264	22
X789316		0.11	0.2	2.6	0.52	20.8	0.82	1	88.8	0.1	0.18	0.33	0.09	0.13	260	3
X789317		0.12	0.5	3.2	0.65	46.0	0.94	<1	104.0	0.1	0.17	0.52	0.10	0.24	252	<1
X789318		0.12	0.2	3.7	0.69	32.6	1.13	<1	79.7	0.1	0.21	0.11	0.12	0.09	277	1
X789319		0.11	0.5	3.8	0.78	33.8	1.19	<1	98.4	0.2	0.19	0.37	0.11	0.24	251	1
X789320		0.11	0.4	2.6	0.48	29.0	0.90	<1	236	0.1	0.19	0.05	0.12	0.14	309	15
X789321		0.14	5.1	8.7	2.08	10.4	1.96	2	188.5	0.4	0.29	1.11	0.15	0.36	92	3
X789322		0.10	<0.2	3.1	0.65	33.9	0.98	<1	270	0.1	0.17	0.05	0.10	0.05	257	21
X789323		0.12	0.2	3.7	0.70	9.7	1.13	<1	51.7	0.1	0.21	0.09	0.12	<0.05	251	<1
X789324		0.11	0.4	3.8	0.74	9.5	1.06	<1	82.6	0.2	0.17	0.30	0.10	0.13	226	<1
X789325		0.11	0.3	3.9	0.77	12.4	1.10	<1	91.0	0.1	0.18	0.24	0.10	0.08	219	<1
X789326		0.12	0.2	3.9	0.72	9.6	1.07	<1	63.0	0.1	0.20	0.10	0.10	<0.05	235	<1
X789327		0.12	<0.2	3.6	0.73	2.6	1.04	<1	25.8	0.1	0.18	0.07	0.10	<0.05	226	1
X789328		0.12	0.9	4.6	0.94	6.6	1.40	<1	99.7	0.1	0.22	0.15	0.12	0.06	241	1
X789329		0.11	0.3	3.4	0.63	1.3	1.08	<1	62.2	0.1	0.19	0.07	0.10	<0.05	227	1
X789330		0.10	0.3	3.7	0.69	4.8	1.14	<1	128.0	0.1	0.19	0.09	0.11	<0.05	222	1
X789331		0.11	0.2	3.6	0.65	0.7	1.09	<1	44.8	0.1	0.19	0.09	0.10	<0.05	226	<1
X789332		0.10	0.3	3.6	0.67	1.3	1.17	<1	57.3	<0.1	0.18	0.62	0.11	0.28	217	<1
X789333		0.10	<0.2	3.2	0.59	1.2	1.00	<1	39.6	<0.1	0.18	0.11	0.10	<0.05	218	<1
X789334		0.09	<0.2	3.4	0.65	2.1	1.12	<1	45.1	<0.1	0.18	0.11	0.09	<0.05	219	1
X789335		0.10	0.2	3.4	0.64	1.2	1.16	<1	46.8	<0.1	0.18	0.12	0.09	<0.05	222	1
X789336		0.11	<0.2	3.3	0.67	7.6	1.09	<1	52.3	<0.1	0.19	0.11	0.10	<0.05	219	1
X789337		0.11	<0.2	3.3	0.65	1.7	1.10	<1	35.2	<0.1	0.19	0.12	0.10	<0.05	226	1
X789338		0.18	7.1	13.6	3.24	16.3	2.96	3	271	0.4	0.42	1.82	0.20	0.51	125	3

Comments: ***** ORIGINALLY FROM WO: TB19060903 MZI *****

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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: 15-APR-2019
Account: MZI

Project: EMB

CERTIFICATE OF ANALYSIS TB19078541

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
X789301		0.4	0.03	<2	0.3	0.01	<0.005	0.010	<0.001	0.05	0.2	<0.01	0.02	<0.5	<0.5	1
X789302		6.1	0.62	11	4.8	0.03	<0.005	0.026	<0.001	0.10	0.2	0.01	0.04	<0.5	0.5	105
X789303		5.2	0.50	10	3.7	0.01	<0.005	0.020	<0.001	0.12	<0.2	0.01	0.03	<0.5	1.3	98
X789304		6.0	0.60	10	0.3	0.01	<0.005	0.019	<0.001	0.08	<0.2	0.01	<0.02	<0.5	1.7	109
X789305		6.2	0.61	10	0.1	0.01	<0.005	0.018	<0.001	<0.05	<0.2	0.01	<0.02	<0.5	1.0	107
X789306		5.9	0.62	9	3.1	0.03	<0.005	0.021	<0.001	0.08	<0.2	0.01	0.06	<0.5	1.1	110
X789307		5.4	0.49	10	2.3	0.06	<0.005	0.012	0.001	<0.05	0.3	0.03	0.09	<0.5	1.3	103
X789308		7.2	0.72	12	0.4	0.03	<0.005	<0.005	<0.001	<0.05	<0.2	0.02	0.05	<0.5	1.0	61
X789309		7.4	0.77	10	1.0	0.05	<0.005	0.006	0.001	<0.05	<0.2	0.04	0.06	<0.5	0.8	46
X789310		6.6	0.75	8	0.1	0.03	<0.005	0.006	<0.001	<0.05	0.2	0.04	0.04	<0.5	0.9	42
X789311		5.7	0.65	6	0.1	0.02	<0.005	<0.005	<0.001	<0.05	<0.2	0.01	0.02	<0.5	1.0	47
X789312		6.1	0.70	7	0.4	0.02	<0.005	<0.005	<0.001	<0.05	<0.2	0.02	0.04	<0.5	1.1	56
X789313		6.2	0.73	11	0.3	0.02	<0.005	<0.005	<0.001	<0.05	<0.2	0.01	0.07	<0.5	1.1	61
X789314		5.8	0.70	6	0.1	0.17	<0.005	<0.005	<0.001	<0.05	<0.2	0.17	0.02	<0.5	1.0	52
X789315		5.9	0.58	9	0.2	0.16	<0.005	<0.005	<0.001	<0.05	0.2	0.13	0.07	<0.5	0.8	55
X789316		6.0	0.67	13	0.3	0.02	<0.005	<0.005	0.001	<0.05	<0.2	0.01	0.13	<0.5	1.2	67
X789317		6.5	0.65	29	0.3	0.03	<0.005	<0.005	0.003	<0.05	<0.2	0.01	0.28	<0.5	1.0	63
X789318		7.1	0.81	15	0.3	0.02	<0.005	<0.005	<0.001	<0.05	0.2	0.02	0.20	<0.5	1.0	69
X789319		6.9	0.77	20	0.2	0.04	<0.005	<0.005	0.001	<0.05	<0.2	0.03	0.13	<0.5	1.1	59
X789320		7.0	0.78	9	0.4	0.06	<0.005	<0.005	<0.001	<0.05	0.4	0.18	0.05	<0.5	1.0	53
X789321		9.6	0.90	65	12.5	0.82	0.135	0.093	0.018	2.45	20.7	3.97	0.16	4.0	2.4	917
X789322		6.3	0.68	9	0.3	0.03	<0.005	<0.005	0.001	<0.05	0.3	0.09	0.06	<0.5	1.0	50
X789323		6.9	0.72	11	0.5	0.02	<0.005	<0.005	<0.001	<0.05	<0.2	0.01	0.07	<0.5	1.3	76
X789324		6.3	0.66	20	0.3	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.06	<0.5	0.9	81
X789325		6.4	0.67	18	0.3	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.06	<0.5	0.9	75
X789326		6.7	0.69	12	0.3	0.01	<0.005	0.006	<0.001	<0.05	<0.2	<0.01	0.06	<0.5	1.4	80
X789327		6.4	0.68	12	0.4	0.02	<0.005	0.005	0.001	<0.05	<0.2	<0.01	0.05	<0.5	1.3	81
X789328		7.2	0.72	13	0.3	0.04	<0.005	<0.005	0.008	<0.05	0.2	0.02	0.21	<0.5	1.0	71
X789329		6.4	0.63	10	0.3	0.02	<0.005	<0.005	0.001	<0.05	<0.2	<0.01	0.18	<0.5	1.3	74
X789330		6.5	0.67	11	0.3	0.01	<0.005	<0.005	0.001	<0.05	<0.2	<0.01	0.07	<0.5	1.1	69
X789331		6.5	0.73	11	0.2	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.04	<0.5	1.2	73
X789332		6.4	0.61	15	0.3	0.02	<0.005	<0.005	0.001	<0.05	<0.2	0.01	0.02	<0.5	0.9	74
X789333		6.1	0.60	10	0.4	0.02	<0.005	<0.005	<0.001	<0.05	<0.2	0.01	0.02	<0.5	1.1	75
X789334		6.1	0.60	10	0.3	0.02	<0.005	<0.005	<0.001	<0.05	<0.2	0.01	0.03	<0.5	1.1	78
X789335		6.0	0.64	13	0.4	0.03	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.02	<0.5	1.0	77
X789336		6.3	0.64	12	0.4	0.04	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.06	<0.5	1.1	76
X789337		6.2	0.67	11	0.7	0.04	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	1.1	78
X789338		13.2	1.26	101	4.1	0.90	0.009	0.064	0.005	0.40	4.9	0.72	0.10	2.1	2.1	110

Comments: ***** ORIGINALLY FROM WO: TB19060903 MZI *****

***** See Appendix Page for comments regarding this certificate *****

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: 15-APR-2019
Account: MZI

Project: EMB

CERTIFICATE OF ANALYSIS TB19078541

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	Cu-OG62 Cu % 0.001	Ni-OG62 Ni % 0.001	Se-MS46 Se ppm 0.003
X789301		<1	10	<1	4	<2	<1	19			<0.003
X789302		50	<10	<1	720	2	31	98			0.035
X789303		51	<10	1	718	<2	25	92			0.031
X789304		36	<10	<1	766	<2	30	91			0.025
X789305		32	<10	<1	739	2	31	94			0.022
X789306		20	<10	<1	762	3	31	99			0.036
X789307		82	<10	5	790	<2	28	75			0.160
X789308		18	30	<1	331	2	44	68			0.019
X789309		76	30	<1	172	<2	40	50			0.077
X789310		86	20	<1	166	<2	36	48			0.077
X789311		59	20	<1	202	<2	32	52			0.047
X789312		72	20	<1	271	<2	38	65			0.065
X789313		7	20	<1	292	<2	41	64			0.018
X789314		11	20	<1	233	2	38	57			0.015
X789315		35	30	<1	239	<2	40	55			0.082
X789316		33	20	<1	291	<2	45	77			0.072
X789317		18	20	11	303	3	44	57			0.041
X789318		19	20	<1	340	<2	48	64			0.051
X789319		11	20	7	303	<2	44	62			0.030
X789320		125	20	<1	236	<2	41	53			0.283
X789321		>10000	10	3	>10000	13	8	132	1.640	4.70	18.90
X789322		121	20	<1	313	<2	41	55			0.204
X789323		48	10	<1	523	<2	45	76			0.087
X789324		22	10	<1	525	<2	42	85			0.018
X789325		21	10	<1	493	3	42	82			0.017
X789326		24	20	<1	526	2	45	80			0.016
X789327		22	10	<1	541	<2	42	76			0.022
X789328		12	10	14	451	<2	45	69			0.031
X789329		11	10	<1	477	<2	44	73			0.037
X789330		20	10	<1	465	<2	42	73			0.014
X789331		12	<10	<1	479	<2	43	73			0.005
X789332		24	10	<1	486	<2	43	74			0.014
X789333		20	10	<1	495	2	43	73			0.008
X789334		24	10	<1	512	<2	44	78			0.010
X789335		18	10	<1	507	<2	45	75			0.013
X789336		15	10	<1	502	<2	44	75			0.012
X789337		16	10	<1	523	<2	45	75			0.018
X789338		4430	20	4	4270	24	12	105			4.20

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CERTIFICATE OF ANALYSIS TB19078541

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

Applies to Method:

C-IR07	Cu-OG62	FND-02	ME-4ACD81
ME-ICP06	ME-MS42	ME-MS81	ME-OG62
Ni-OG62	OA-GRA05	Se-MS46	S-IR08
TOT-ICP06			