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To: **LAC DES ILES MINES LTD. (NAP)**
556 TENTH AVE
THUNDER BAY ON P7B 2R2

Finalized Date: 16-APR-2019
Account: MZI

CERTIFICATE TB19078544

Project: EMB
P.O. No.: 198288
This report is for 65 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: TB19064411 MZI *****

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS TB19078544

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
X789495		15.90	0.05	0.09	28.0	21.7	0.02	0.01	<0.002	<0.01	0.05	0.01	0.02	0.01	33.6	99.46
X789496		84.3	5.54	3.16	0.05	0.46	0.06	0.67	0.015	0.32	0.19	0.10	0.01	0.07	5.31	100.26
X789497		46.2	3.04	13.50	8.13	24.9	0.23	0.08	0.492	0.19	0.22	0.01	<0.01	<0.01	4.39	101.38
X789498		47.0	3.42	13.40	8.15	24.6	0.30	0.20	0.482	0.19	0.23	0.01	<0.01	<0.01	3.82	101.80
X789499		46.8	3.15	13.15	8.06	24.6	0.29	0.13	0.481	0.19	0.22	0.02	<0.01	<0.01	3.90	100.99
X789500		45.9	3.00	13.25	8.15	24.6	0.24	0.08	0.491	0.19	0.22	0.01	<0.01	<0.01	4.66	100.79
X789501		46.8	2.99	13.75	8.32	25.5	0.26	0.06	0.508	0.19	0.23	0.01	<0.01	<0.01	3.33	101.95
X789502		47.6	3.03	13.50	8.20	24.5	0.27	0.08	0.498	0.19	0.23	0.01	<0.01	<0.01	2.49	100.60
X789503		46.7	3.17	13.00	8.24	24.5	0.22	0.08	0.473	0.19	0.22	0.01	<0.01	<0.01	4.35	101.15
X789504		46.8	3.22	12.80	8.58	24.0	0.24	0.15	0.476	0.19	0.22	0.02	<0.01	<0.01	3.76	100.46
X789505		47.4	3.16	13.35	8.76	24.2	0.28	0.09	0.485	0.20	0.22	0.01	<0.01	<0.01	2.69	100.85
X789506		48.5	3.30	13.45	8.98	24.3	0.33	0.12	0.491	0.21	0.22	<0.01	<0.01	<0.01	1.79	101.69
X789507		48.2	3.26	13.45	9.01	24.5	0.30	0.08	0.492	0.21	0.23	0.01	<0.01	<0.01	1.63	101.37
X789508		47.5	3.21	13.05	8.73	23.8	0.30	0.17	0.470	0.20	0.22	0.01	<0.01	<0.01	2.40	100.06
X789509		47.7	3.28	13.30	8.80	23.9	0.30	0.22	0.472	0.20	0.22	0.01	<0.01	0.01	2.04	100.45
X789510		46.9	3.28	13.00	8.75	23.6	0.29	0.20	0.458	0.19	0.22	<0.01	<0.01	<0.01	3.62	100.51
X789511		46.8	3.10	13.45	8.81	24.3	0.28	0.10	0.487	0.20	0.22	0.01	<0.01	<0.01	2.87	100.63
X789512		45.9	3.12	13.00	8.62	23.6	0.30	0.14	0.474	0.19	0.21	0.01	<0.01	<0.01	3.15	98.71
X789513		48.9	3.89	12.55	8.31	22.9	0.70	0.21	0.441	0.19	0.21	0.01	<0.01	0.01	3.01	101.33
X789514		46.8	2.98	13.75	8.79	25.0	0.25	0.06	0.484	0.20	0.22	<0.01	<0.01	<0.01	2.77	101.30
X789515		46.8	12.90	21.1	6.31	6.76	2.19	0.64	0.033	1.27	0.19	0.16	0.03	0.02	1.40	99.80
X789516		47.5	2.99	13.05	8.75	24.1	0.26	0.08	0.489	0.20	0.22	0.01	<0.01	<0.01	2.50	100.15
X789517		46.9	3.16	13.05	8.72	23.6	0.22	0.14	0.465	0.20	0.22	<0.01	<0.01	<0.01	5.01	101.69
X789518		45.4	3.04	12.70	8.73	22.9	0.25	0.08	0.448	0.20	0.21	0.01	<0.01	<0.01	5.62	99.59
X789519		47.1	3.02	12.20	9.14	22.5	0.17	0.11	0.443	0.19	0.21	0.01	<0.01	<0.01	5.68	100.77
X789520		57.6	7.19	7.94	5.63	14.80	2.53	1.11	0.270	0.16	0.15	0.01	0.01	0.07	2.70	100.17
X789521		64.1	9.38	5.85	4.35	10.15	3.16	2.08	0.177	0.12	0.11	0.02	0.01	0.10	1.74	101.35
X789522		48.5	3.70	12.30	8.52	22.4	0.57	0.35	0.441	0.19	0.20	<0.01	<0.01	0.01	3.51	100.69
X789523		50.1	4.36	11.15	7.80	20.7	0.82	0.52	0.399	0.19	0.19	0.01	<0.01	0.02	3.06	99.32
X789524		49.3	6.74	11.90	8.08	18.40	1.56	0.53	0.346	0.40	0.19	0.09	0.02	0.03	2.34	99.93
X789525		46.7	3.01	12.80	8.91	23.9	0.29	0.12	0.467	0.19	0.21	<0.01	<0.01	<0.01	2.50	99.10
X789526		46.4	2.81	12.90	8.98	24.1	0.22	0.07	0.473	0.19	0.22	<0.01	<0.01	<0.01	2.84	99.20
X789527		45.7	2.81	12.65	8.59	23.6	0.22	0.12	0.457	0.19	0.21	0.01	<0.01	<0.01	3.77	98.33
X789528		47.0	2.87	13.05	8.89	24.4	0.25	0.07	0.479	0.19	0.22	0.01	<0.01	<0.01	1.77	99.20
X789529		47.1	2.99	12.65	8.71	23.7	0.27	0.16	0.464	0.20	0.21	<0.01	<0.01	<0.01	2.80	99.25
X789530		48.0	2.81	12.70	8.87	24.4	0.26	0.12	0.487	0.19	0.22	0.01	<0.01	<0.01	2.58	100.65
X789531		47.8	2.77	12.70	8.78	24.4	0.25	0.11	0.482	0.19	0.22	0.01	<0.01	<0.01	2.78	100.49
X789532		46.5	3.08	12.05	8.95	23.0	0.20	0.09	0.453	0.19	0.20	0.01	<0.01	<0.01	4.77	99.49
X789533		45.7	3.26	11.90	8.65	22.3	0.34	0.22	0.439	0.18	0.20	0.01	0.01	<0.01	6.16	99.37
X789534		47.6	3.73	11.75	8.40	21.7	0.41	0.54	0.421	0.18	0.21	0.01	0.01	0.02	4.38	99.36

Comments: ***** ORIGINALLY FROM WO: TB19064411 MZI *****

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556 TENTH AVE
THUNDER BAY ON P7B 2R2

Finalized Date: 16-APR-2019
Account: MZI

Project: EMB

CERTIFICATE OF ANALYSIS TB19078544

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
X789495		8.92	0.01	87.3	0.7	<10	0.25	0.05	<0.03	<0.03	0.2	<0.05	<5	<0.2	0.01	0.6
X789496		3.86	0.02	618	225	110	1.10	1.38	0.91	0.49	7.2	1.54	<5	1.8	0.30	163.5
X789497		0.25	0.01	22.0	3.4	3460	0.41	0.86	0.50	0.22	4.7	0.92	<5	0.4	0.18	1.4
X789498		0.25	0.01	38.4	4.2	3330	0.70	0.94	0.55	0.21	5.3	0.89	<5	0.4	0.17	1.6
X789499		0.32	0.01	29.7	3.6	3410	0.56	0.92	0.59	0.24	4.9	0.84	<5	0.4	0.17	1.4
X789500		0.44	0.01	21.7	3.1	3400	0.64	0.92	0.53	0.22	4.6	0.87	<5	0.3	0.19	1.3
X789501		0.22	0.01	17.2	3.0	3500	0.22	0.85	0.52	0.24	4.6	0.90	<5	0.3	0.18	1.2
X789502		0.11	0.01	18.0	3.1	3500	0.18	0.90	0.56	0.22	4.7	0.90	<5	0.4	0.17	1.2
X789503		0.28	0.16	14.3	3.2	3260	0.44	0.89	0.52	0.26	4.8	0.85	<5	0.5	0.18	1.4
X789504		0.32	0.02	22.2	3.4	3270	0.80	0.95	0.51	0.22	4.8	0.94	<5	0.4	0.19	1.3
X789505		0.17	0.02	20.9	3.3	3410	0.23	0.88	0.52	0.24	4.8	0.92	<5	0.4	0.18	1.2
X789506		0.06	0.01	26.4	3.5	3430	0.27	0.96	0.61	0.24	4.9	0.95	<5	0.4	0.18	1.5
X789507		0.07	0.01	22.7	3.4	3810	0.18	0.93	0.59	0.22	5.3	1.05	<5	0.4	0.21	1.5
X789508		0.14	0.01	36.9	3.5	3560	0.83	0.90	0.54	0.23	5.1	0.93	<5	0.4	0.21	1.5
X789509		0.11	0.02	47.3	3.9	3530	0.96	0.90	0.60	0.23	5.0	0.84	<5	0.4	0.19	1.7
X789510		0.21	0.02	32.1	4.0	3430	0.84	0.95	0.58	0.27	4.9	0.98	<5	0.4	0.20	1.9
X789511		0.19	0.01	23.6	3.3	3790	0.26	1.04	0.64	0.27	4.9	0.97	<5	0.4	0.20	1.3
X789512		0.29	0.01	35.5	3.8	3490	0.57	0.93	0.57	0.27	4.9	0.94	<5	0.3	0.18	1.6
X789513		0.13	<0.01	66.0	4.7	3290	0.75	1.00	0.53	0.26	5.4	1.04	<5	0.6	0.17	2.3
X789514		0.04	0.02	14.9	2.9	3400	0.04	0.88	0.53	0.26	4.3	0.97	<5	0.3	0.20	1.4
X789515		0.09	1.71	220	25.1	240	0.94	2.46	1.38	1.09	15.6	2.64	<5	2.4	0.49	11.9
X789516		0.09	0.03	19.7	3.1	3630	0.12	1.07	0.63	0.23	4.7	1.05	<5	0.3	0.20	1.4
X789517		0.67	0.02	21.5	3.2	3280	0.76	0.94	0.61	0.22	4.5	0.97	<5	0.3	0.20	1.4
X789518		0.69	0.03	15.3	2.9	3190	0.45	0.98	0.52	0.21	4.5	0.97	<5	0.4	0.17	1.3
X789519		0.60	0.08	19.5	3.9	3130	0.89	0.90	0.59	0.21	4.7	0.90	<5	0.3	0.16	2.2
X789520		0.12	0.01	662	11.1	1910	2.28	0.80	0.46	0.27	8.5	0.86	<5	1.1	0.14	6.3
X789521		0.07	0.01	888	16.7	1230	1.27	0.61	0.27	0.24	9.6	0.68	<5	1.3	0.11	10.0
X789522		0.28	0.02	109.0	5.1	3150	1.15	0.87	0.53	0.25	5.2	0.93	<5	0.4	0.17	2.7
X789523		0.20	0.02	205	6.1	2820	1.27	0.83	0.56	0.25	6.2	0.80	<5	0.7	0.20	3.2
X789524		0.18	0.02	298	27.0	2360	0.78	1.88	1.04	0.56	8.9	2.17	<5	1.8	0.34	13.2
X789525		0.17	0.02	46.2	3.0	3280	0.41	0.87	0.52	0.21	4.5	0.84	<5	0.3	0.18	1.4
X789526		0.25	0.02	18.7	2.8	3330	0.20	0.90	0.54	0.22	4.2	1.00	<5	0.3	0.21	1.2
X789527		0.41	0.02	24.9	3.1	3220	0.49	0.83	0.53	0.21	4.3	0.98	<5	0.3	0.17	1.3
X789528		0.05	0.01	21.2	2.9	3330	0.13	0.80	0.57	0.22	4.2	1.03	<5	0.4	0.18	1.3
X789529		0.18	0.01	49.6	3.5	3350	0.49	0.97	0.52	0.25	4.9	0.95	<5	0.4	0.21	1.5
X789530		0.13	0.01	25.8	3.1	3380	0.23	0.96	0.59	0.21	4.4	0.90	<5	0.3	0.18	1.4
X789531		0.15	0.01	19.8	2.9	3310	0.19	0.86	0.59	0.24	4.2	0.86	<5	0.3	0.19	1.4
X789532		0.39	0.02	16.7	3.6	3160	0.34	0.91	0.50	0.24	4.7	0.96	<5	0.4	0.18	1.6
X789533		0.75	0.02	40.9	4.8	3060	0.94	0.80	0.49	0.22	4.5	0.76	<5	0.5	0.16	2.4
X789534		0.42	0.02	150.0	7.0	2960	2.57	0.96	0.47	0.26	5.0	0.94	<5	0.5	0.17	3.2

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CERTIFICATE OF ANALYSIS TB19078544

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
X789495		<0.01	<0.2	0.2	0.08	0.5	0.03	<1	159.5	<0.1	<0.01	0.13	<0.01	0.21	<5	<1
X789496		0.17	5.8	52.6	19.55	24.2	3.46	3	59.1	0.3	0.24	6.44	0.15	7.97	92	3
X789497		0.08	0.2	2.7	0.55	3.2	0.88	<1	35.3	<0.1	0.15	0.16	0.08	<0.05	182	1
X789498		0.08	0.6	3.1	0.64	7.2	0.86	<1	40.7	<0.1	0.15	0.53	0.07	0.16	179	<1
X789499		0.08	0.3	2.8	0.57	4.7	0.88	<1	38.1	<0.1	0.16	0.24	0.08	0.09	178	<1
X789500		0.08	<0.2	2.6	0.51	3.0	0.85	<1	38.4	<0.1	0.15	0.11	0.08	<0.05	189	<1
X789501		0.08	<0.2	2.7	0.52	2.0	0.81	<1	32.6	<0.1	0.14	0.11	0.08	<0.05	185	1
X789502		0.08	<0.2	2.6	0.51	2.0	0.87	<1	32.3	<0.1	0.15	0.10	0.08	<0.05	184	<1
X789503		0.08	0.2	2.7	0.52	2.9	0.87	<1	32.2	<0.1	0.14	0.14	0.09	0.06	187	1
X789504		0.08	0.2	2.8	0.56	8.3	0.87	<1	35.1	<0.1	0.16	0.34	0.08	0.13	191	<1
X789505		0.09	<0.2	2.9	0.53	2.9	0.85	<1	32.0	<0.1	0.14	0.13	0.08	<0.05	188	<1
X789506		0.07	0.2	2.9	0.58	3.4	0.91	<1	35.6	<0.1	0.15	0.24	0.07	0.10	194	<1
X789507		0.08	0.2	3.2	0.59	2.7	1.02	<1	36.1	0.1	0.18	0.17	0.09	0.11	195	<1
X789508		0.08	0.2	2.9	0.59	7.8	0.84	<1	33.4	0.1	0.17	0.51	0.08	0.23	192	1
X789509		0.08	0.4	3.0	0.64	9.6	0.81	<1	33.1	0.1	0.15	0.28	0.09	0.10	190	<1
X789510		0.09	0.4	3.1	0.64	7.2	0.83	1	30.3	0.1	0.16	0.35	0.08	0.17	181	1
X789511		0.09	0.2	3.0	0.59	3.2	1.01	<1	34.2	0.1	0.15	0.14	0.09	0.05	185	<1
X789512		0.08	0.3	3.1	0.61	5.6	0.79	<1	35.1	0.1	0.14	0.36	0.08	0.08	188	<1
X789513		0.07	0.6	3.4	0.71	7.9	1.06	1	47.2	0.1	0.16	0.76	0.08	0.36	173	<1
X789514		0.07	<0.2	3.0	0.53	1.4	0.78	1	27.6	0.1	0.16	0.08	0.08	<0.05	184	3
X789515		0.16	7.2	13.6	3.25	15.7	3.25	4	254	0.5	0.41	1.40	0.20	0.41	123	3
X789516		0.08	0.2	3.0	0.55	2.0	0.99	1	31.0	0.1	0.17	0.10	0.09	<0.05	189	<1
X789517		0.09	0.2	3.1	0.57	5.5	0.98	<1	36.6	0.1	0.14	0.10	0.08	0.05	189	1
X789518		0.09	0.2	2.6	0.50	2.5	0.88	<1	35.5	0.1	0.15	0.10	0.08	<0.05	191	1
X789519		0.08	0.2	3.2	0.62	4.5	1.01	<1	30.9	0.1	0.15	0.45	0.09	0.10	177	1
X789520		0.08	1.4	4.5	1.27	28.5	0.89	1	102.5	0.2	0.13	1.93	0.07	0.33	111	1
X789521		0.08	1.4	5.8	1.77	26.9	0.97	1	125.5	0.2	0.10	3.44	0.05	0.47	71	<1
X789522		0.09	0.7	3.5	0.73	10.9	0.95	1	41.7	0.1	0.15	0.66	0.07	0.15	177	<1
X789523		0.08	1.1	3.8	0.85	14.7	0.93	1	54.4	0.2	0.16	0.48	0.08	0.13	159	<1
X789524		0.14	3.2	13.9	3.49	13.9	2.62	1	145.5	0.2	0.32	1.55	0.14	0.33	175	<1
X789525		0.08	0.2	2.9	0.51	3.6	0.87	<1	32.9	0.1	0.15	0.11	0.08	0.05	191	<1
X789526		0.07	0.2	2.6	0.53	2.1	0.87	1	26.5	0.1	0.15	0.09	0.08	<0.05	189	<1
X789527		0.08	0.2	3.0	0.54	4.4	0.97	1	28.4	0.1	0.16	0.29	0.07	0.08	188	<1
X789528		0.08	0.3	2.7	0.53	2.1	0.75	1	25.9	0.1	0.15	0.10	0.08	<0.05	194	<1
X789529		0.07	0.4	3.2	0.60	5.7	1.11	<1	31.0	0.1	0.16	0.13	0.07	<0.05	188	1
X789530		0.09	0.2	2.9	0.59	2.5	0.85	<1	27.6	0.1	0.16	0.10	0.08	<0.05	193	<1
X789531		0.08	0.2	2.7	0.53	2.5	0.79	<1	26.4	0.1	0.14	0.12	0.06	<0.05	190	<1
X789532		0.08	0.4	3.0	0.59	3.0	1.03	1	37.2	0.1	0.13	0.14	0.08	0.09	178	1
X789533		0.07	0.4	3.2	0.67	8.9	0.87	1	59.4	0.1	0.15	0.47	0.07	0.09	170	1
X789534		0.08	2.3	4.6	0.99	22.7	1.09	<1	75.7	0.2	0.16	0.42	0.08	0.13	165	1

Comments: ***** ORIGINALLY FROM WO: TB19064411 MZI *****

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To: LAC DES ILES MINES LTD. (NAP)
556 TENTH AVE
THUNDER BAY ON P7B 2R2

Finalized Date: 16-APR-2019
Account: MZI

Project: EMB

CERTIFICATE OF ANALYSIS TB19078544

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
X789495		0.3	0.03	<2	0.5	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.02	<0.5	<0.5	<1
X789496		10.4	1.02	74	5.8	15.35	0.073	0.109	0.003	0.36	3.0	0.40	0.03	0.8	<0.5	59
X789497		4.9	0.51	10	0.6	0.01	<0.005	0.007	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	1.3	100
X789498		5.0	0.54	12	0.1	0.01	<0.005	0.005	<0.001	<0.05	<0.2	<0.01	0.02	<0.5	1.0	95
X789499		5.1	0.54	10	<0.1	<0.01	<0.005	0.007	<0.001	<0.05	<0.2	<0.01	0.02	<0.5	1.1	94
X789500		4.8	0.49	9	<0.1	<0.01	<0.005	0.007	<0.001	<0.05	0.2	0.01	<0.02	<0.5	1.0	98
X789501		5.1	0.53	9	0.1	<0.01	<0.005	0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	1.1	98
X789502		5.0	0.52	9	<0.1	<0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	1.1	100
X789503		4.9	0.54	13	0.4	0.10	<0.005	0.007	0.019	<0.05	<0.2	0.02	0.02	<0.5	1.0	92
X789504		5.1	0.54	10	0.2	0.02	<0.005	0.007	0.001	<0.05	<0.2	<0.01	0.04	<0.5	1.0	91
X789505		5.1	0.56	10	<0.1	0.01	<0.005	0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	1.0	94
X789506		5.4	0.55	12	<0.1	<0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	1.1	94
X789507		5.5	0.52	10	<0.1	<0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	1.1	93
X789508		5.2	0.56	10	0.1	0.02	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.05	<0.5	0.9	95
X789509		5.3	0.62	10	<0.1	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.05	<0.5	1.1	92
X789510		5.1	0.53	12	0.2	0.01	<0.005	0.006	<0.001	<0.05	<0.2	<0.01	0.03	<0.5	1.2	95
X789511		5.5	0.56	10	0.1	0.01	<0.005	0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	1.1	96
X789512		5.2	0.60	10	0.1	0.01	<0.005	0.005	<0.001	<0.05	<0.2	<0.01	0.03	<0.5	1.3	97
X789513		5.2	0.52	17	0.1	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.03	<0.5	1.0	87
X789514		4.9	0.46	11	<0.1	<0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	1.1	101
X789515		13.2	1.22	96	3.9	0.78	0.012	0.067	0.006	0.33	5.1	0.57	0.09	2.1	1.6	107
X789516		5.4	0.54	10	<0.1	<0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	1.1	96
X789517		5.1	0.51	10	0.1	0.02	<0.005	0.008	<0.001	<0.05	0.2	0.01	0.03	<0.5	1.3	89
X789518		4.9	0.60	9	0.2	0.02	<0.005	0.011	<0.001	<0.05	0.3	0.01	<0.02	<0.5	1.0	91
X789519		4.9	0.53	10	0.4	0.02	<0.005	0.011	<0.001	<0.05	0.2	0.01	0.02	<0.5	0.7	85
X789520		3.9	0.49	39	0.3	0.01	<0.005	<0.005	<0.001	<0.05	0.2	<0.01	0.10	<0.5	0.5	57
X789521		3.1	0.39	49	0.4	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.06	<0.5	<0.5	40
X789522		4.8	0.61	13	0.2	0.01	<0.005	0.005	<0.001	<0.05	<0.2	<0.01	0.05	<0.5	0.8	94
X789523		4.7	0.50	24	0.2	0.01	<0.005	0.005	<0.001	<0.05	0.2	0.01	0.05	<0.5	0.6	81
X789524		9.1	0.83	81	0.1	0.01	<0.005	0.008	<0.001	<0.05	<0.2	0.01	0.07	<0.5	0.8	79
X789525		4.8	0.47	9	<0.1	0.01	<0.005	0.005	<0.001	<0.05	<0.2	<0.01	0.02	<0.5	0.7	96
X789526		5.0	0.44	9	0.1	<0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	0.8	95
X789527		4.9	0.63	9	<0.1	0.01	<0.005	0.006	<0.001	<0.05	<0.2	<0.01	0.02	<0.5	0.8	97
X789528		4.8	0.48	8	<0.1	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	1.0	96
X789529		5.1	0.57	10	<0.1	0.01	<0.005	0.005	<0.001	<0.05	<0.2	<0.01	0.02	<0.5	0.8	96
X789530		5.0	0.51	9	<0.1	<0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	0.9	96
X789531		4.8	0.47	8	<0.1	0.01	<0.005	0.005	<0.001	<0.05	<0.2	0.01	<0.02	<0.5	0.9	98
X789532		4.9	0.48	12	0.3	0.01	<0.005	0.008	<0.001	<0.05	<0.2	0.01	<0.02	<0.5	1.1	91
X789533		4.6	0.52	13	0.4	0.02	<0.005	0.009	<0.001	<0.05	<0.2	0.01	0.05	<0.5	0.9	89
X789534		4.9	0.59	15	2.5	0.01	<0.005	0.007	<0.001	<0.05	<0.2	0.01	0.11	<0.5	1.0	91

Comments: ***** ORIGINALLY FROM WO: TB19064411 MZI *****

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To: LAC DES ILES MINES LTD. (NAP)
556 TENTH AVE
THUNDER BAY ON P7B 2R2

Finalized Date: 16-APR-2019
Account: MZI

Project: EMB

CERTIFICATE OF ANALYSIS TB19078544

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
X789495		1	10	<1	1	<2	<1	24			<0.003
X789496		83	10	6	81	50	5	42			2.89
X789497		5	<10	<1	761	3	38	76			0.007
X789498		5	10	<1	741	<2	37	78			0.007
X789499		7	10	<1	751	5	38	78			0.006
X789500		6	10	<1	783	2	40	73			0.005
X789501		6	10	<1	791	<2	39	75			0.004
X789502		6	10	<1	782	<2	40	78			0.005
X789503		10	10	59	736	<2	39	73			0.022
X789504		8	10	5	736	2	40	75			0.011
X789505		7	10	<1	765	<2	42	78			0.007
X789506		7	10	<1	749	<2	43	78			0.005
X789507		10	10	<1	738	<2	43	78			0.005
X789508		7	10	<1	756	<2	42	75			0.009
X789509		6	10	<1	731	3	40	77			0.006
X789510		6	10	<1	754	<2	40	74			0.008
X789511		6	10	<1	775	<2	42	77			0.005
X789512		6	10	<1	790	<2	42	75			0.006
X789513		7	10	<1	688	<2	36	67			0.005
X789514		6	<10	<1	789	<2	41	77			0.005
X789515		4190	20	4	4140	21	11	100			4.12
X789516		9	10	<1	740	<2	41	75			0.008
X789517		6	10	<1	701	<2	40	71			0.008
X789518		8	10	<1	712	<2	41	73			0.013
X789519		6	10	1	710	<2	40	70			0.012
X789520		5	10	<1	444	<2	24	66			0.003
X789521		5	10	1	287	<2	16	47			0.003
X789522		5	10	1	743	4	41	70			0.007
X789523		5	10	1	636	3	35	67			0.011
X789524		13	10	<1	579	<2	36	80			0.006
X789525		5	10	1	770	<2	43	73			0.005
X789526		4	<10	<1	764	<2	43	72			0.006
X789527		4	10	<1	783	<2	43	75			0.006
X789528		4	10	<1	770	<2	43	76			0.003
X789529		4	10	<1	778	<2	44	77			0.004
X789530		4	10	<1	782	<2	44	75			0.004
X789531		4	10	<1	790	<2	44	74			0.004
X789532		5	10	<1	755	<2	42	67			0.010
X789533		5	10	<1	718	<2	40	70			0.009
X789534		6	10	<1	683	<2	37	75			0.010

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To: LAC DES ILES MINES LTD. (NAP)
556 TENTH AVE
THUNDER BAY ON P7B 2R2

Finalized Date: 16-APR-2019
Account: MZI

Project: EMB

CERTIFICATE OF ANALYSIS TB19078544

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
X789535		17.65	0.04	0.09	28.5	21.0	0.02	0.01	<0.002	<0.01	0.05	0.01	0.02	0.01	32.0	99.40
X789536		47.0	2.92	12.65	9.04	24.1	0.26	0.12	0.474	0.19	0.21	0.01	<0.01	<0.01	2.51	99.48
X789537		46.7	2.71	13.20	9.15	25.0	0.24	0.07	0.483	0.18	0.22	<0.01	<0.01	<0.01	2.60	100.55
X789538		46.9	2.76	13.05	9.14	24.7	0.25	0.07	0.484	0.18	0.22	<0.01	<0.01	<0.01	2.61	100.36
X789539		44.5	2.67	12.25	9.10	22.9	0.19	0.09	0.453	0.17	0.19	<0.01	<0.01	<0.01	6.33	98.84
X789540		43.8	2.64	12.45	9.54	22.2	0.17	0.08	0.455	0.18	0.21	0.01	<0.01	<0.01	6.30	98.04
X789541		51.0	5.34	10.85	7.58	19.85	1.25	0.77	0.387	0.20	0.20	0.02	0.01	0.02	4.44	101.92
X789542		48.0	4.27	12.25	8.07	22.5	0.86	0.41	0.435	0.17	0.21	0.01	<0.01	0.02	3.54	100.75
X789543		52.6	5.11	10.35	7.31	19.20	1.27	0.52	0.374	0.19	0.18	0.02	0.01	0.03	3.28	100.44
X789544		50.9	4.30	11.15	8.11	20.6	0.84	0.43	0.411	0.18	0.20	0.02	<0.01	0.01	2.94	100.09
X789545		51.2	5.01	10.10	9.46	18.35	1.11	0.65	0.426	0.20	0.19	0.02	0.01	0.02	2.98	99.73
X789546		46.9	2.93	13.15	8.72	24.2	0.26	0.10	0.476	0.19	0.22	0.01	<0.01	<0.01	2.52	99.68
X789547		47.9	3.35	12.35	8.49	22.4	0.40	0.32	0.462	0.20	0.21	0.01	<0.01	0.01	2.47	98.57
X789548		46.9	3.51	12.10	8.34	22.2	0.42	0.32	0.451	0.19	0.21	0.02	<0.01	0.01	3.70	98.37
X789549		48.0	4.33	12.00	8.43	21.6	0.71	0.46	0.441	0.19	0.21	0.02	<0.01	0.01	2.93	99.33
X789550		49.3	4.06	11.35	7.74	20.8	0.69	0.48	0.425	0.18	0.21	0.01	<0.01	0.02	4.18	99.45
X789551		47.1	3.05	13.10	8.44	24.0	0.21	0.07	0.488	0.20	0.21	0.01	<0.01	<0.01	3.49	100.37
X789552		47.0	3.07	12.85	8.64	23.4	0.24	0.12	0.468	0.20	0.22	0.02	<0.01	<0.01	4.04	100.27
X789553		45.1	2.97	12.45	8.54	22.6	0.15	0.06	0.460	0.19	0.21	0.01	<0.01	<0.01	5.83	98.57
X789554		44.2	2.81	12.45	8.47	22.6	0.09	0.03	0.445	0.19	0.21	0.02	<0.01	<0.01	6.55	98.07
X789555		32.5	10.25	25.7	4.88	6.69	1.59	0.37	0.051	0.88	0.13	0.11	0.02	0.01	7.50	90.68
X789556		44.5	3.22	12.15	9.31	21.9	0.21	0.07	0.433	0.20	0.21	0.02	<0.01	<0.01	7.28	99.50
X789557		45.4	2.77	12.65	8.94	23.6	0.19	0.06	0.468	0.19	0.22	0.02	<0.01	<0.01	5.09	99.60
X789558		46.1	4.08	12.55	8.36	22.5	0.53	0.22	0.452	0.19	0.22	<0.01	0.01	0.01	3.37	98.59
X789559		45.6	2.95	12.65	8.57	23.6	0.26	0.09	0.473	0.19	0.22	0.01	<0.01	<0.01	3.49	98.10

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To: LAC DES ILES MINES LTD. (NAP)
556 TENTH AVE
THUNDER BAY ON P7B 2R2

Finalized Date: 16-APR-2019
Account: MZI

Project: EMB

CERTIFICATE OF ANALYSIS TB19078544

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
X789535		8.29	0.01	118.0	1.4	10	0.21	0.05	0.03	<0.03	0.1	0.07	<5	<0.2	0.01	1.2
X789536		0.20	0.01	29.8	3.4	3400	0.41	0.97	0.56	0.20	4.3	1.13	<5	0.3	0.18	1.6
X789537		0.30	0.01	16.3	2.8	3390	0.15	0.83	0.53	0.24	3.8	0.93	<5	0.3	0.18	1.2
X789538		0.24	0.01	20.1	3.1	3400	0.15	0.89	0.59	0.24	3.9	1.00	<5	0.4	0.16	1.4
X789539		0.87	0.05	20.9	3.0	3220	0.53	0.81	0.56	0.22	4.0	0.74	<5	0.4	0.19	1.3
X789540		0.87	0.09	23.3	4.6	3450	0.49	0.97	0.55	0.27	4.4	1.07	<5	0.4	0.20	2.2
X789541		0.45	0.02	203	8.4	2770	3.50	0.89	0.58	0.29	7.1	1.06	<5	0.9	0.19	4.3
X789542		0.18	0.02	136.5	6.6	3180	1.62	0.88	0.52	0.27	5.9	0.95	<5	0.7	0.20	3.5
X789543		0.27	0.01	233	6.4	2770	1.49	0.87	0.51	0.28	7.1	0.88	<5	0.8	0.18	3.7
X789544		0.26	0.02	90.3	5.0	2990	1.63	0.97	0.63	0.25	6.5	1.03	<5	0.7	0.22	2.4
X789545		0.25	0.01	157.0	6.6	3130	2.25	1.18	0.70	0.35	7.1	1.35	<5	0.8	0.25	3.2
X789546		0.16	0.01	21.0	3.1	3410	0.32	0.95	0.56	0.24	4.9	1.03	<5	0.4	0.21	1.3
X789547		0.15	0.02	45.8	4.6	3320	1.37	0.98	0.62	0.26	5.5	1.06	<5	0.5	0.21	2.1
X789548		0.40	0.02	65.9	4.0	3220	1.86	0.95	0.62	0.24	5.5	1.07	<5	0.5	0.21	1.8
X789549		0.23	0.01	117.0	6.4	3170	2.36	1.01	0.60	0.26	6.2	1.07	<5	0.5	0.21	3.5
X789550		0.26	0.03	135.5	6.0	2950	2.04	0.90	0.57	0.26	6.0	1.02	<5	0.6	0.18	2.9
X789551		0.20	0.01	22.2	3.1	3450	0.33	0.92	0.55	0.24	4.8	0.98	<5	0.4	0.19	1.3
X789552		0.42	0.03	31.5	3.3	3230	0.64	0.94	0.55	0.23	4.6	0.98	<5	0.4	0.20	1.4
X789553		0.75	0.02	14.0	3.1	3210	0.35	0.90	0.55	0.23	4.6	0.92	<5	0.4	0.20	1.3
X789554		0.83	0.02	6.3	3.0	3090	0.34	0.82	0.53	0.22	4.4	0.98	<5	0.3	0.19	1.3
X789555		0.09	8.95	114.5	15.7	360	0.77	1.70	0.97	0.78	11.3	1.91	<5	1.5	0.36	7.5
X789556		1.12	0.05	12.5	5.2	2970	0.63	0.96	0.57	0.28	4.7	1.07	<5	0.4	0.21	2.3
X789557		0.40	0.03	16.2	3.0	3340	0.52	0.93	0.50	0.26	4.5	1.00	<5	0.4	0.20	1.4
X789558		0.16	0.02	119.0	4.9	3190	0.98	0.96	0.55	0.30	5.6	0.96	<5	0.4	0.19	2.5
X789559		0.24	0.01	25.3	3.2	3330	0.37	0.96	0.57	0.26	4.7	0.98	<5	0.4	0.20	1.4

Comments: ***** ORIGINALLY FROM WO: TB19064411 MZI *****

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To: LAC DES ILES MINES LTD. (NAP)
556 TENTH AVE
THUNDER BAY ON P7B 2R2

Finalized Date: 16-APR-2019
Account: MZI

Project: EMB

CERTIFICATE OF ANALYSIS TB19078544

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
X789535		0.01	0.5	0.4	0.15	0.5	0.04	<1	173.5	0.1	0.01	0.09	<0.01	0.33	5	<1
X789536		0.07	0.6	3.2	0.57	4.2	0.88	<1	35.1	0.1	0.16	0.23	0.08	0.07	183	<1
X789537		0.06	0.3	2.6	0.46	1.8	0.98	1	29.5	0.1	0.15	0.09	0.08	<0.05	186	<1
X789538		0.07	0.4	2.8	0.54	2.1	0.86	1	32.1	0.1	0.14	0.13	0.09	<0.05	185	<1
X789539		0.06	0.2	2.4	0.49	3.2	0.83	1	46.9	0.1	0.13	0.11	0.07	<0.05	179	1
X789540		0.08	0.4	3.4	0.72	3.3	0.99	<1	47.5	0.1	0.16	0.50	0.08	<0.05	177	2
X789541		0.09	2.1	4.4	1.07	32.8	1.02	<1	96.9	0.3	0.16	1.40	0.09	0.54	145	2
X789542		0.08	1.3	3.6	0.85	17.6	0.88	<1	56.3	0.3	0.14	1.13	0.08	0.38	155	1
X789543		0.08	1.3	3.6	0.85	18.2	0.90	<1	89.0	0.2	0.14	0.85	0.08	0.29	162	1
X789544		0.10	1.5	3.6	0.75	19.1	0.94	<1	61.3	0.3	0.17	1.42	0.09	0.65	169	1
X789545		0.11	1.7	4.3	0.97	26.5	1.20	<1	76.6	0.3	0.20	1.08	0.12	0.53	179	1
X789546		0.09	0.3	2.7	0.54	3.4	0.86	<1	27.6	0.1	0.16	0.15	0.09	0.05	188	<1
X789547		0.09	0.7	3.5	0.73	12.4	0.95	<1	31.9	0.2	0.17	0.31	0.09	0.12	187	1
X789548		0.09	0.5	3.1	0.66	15.3	0.93	<1	46.2	0.2	0.16	0.58	0.09	0.30	185	1
X789549		0.09	0.8	3.8	0.87	24.0	1.05	<1	62.4	0.2	0.17	0.55	0.10	0.17	181	1
X789550		0.09	1.2	3.8	0.87	21.1	0.99	<1	42.8	0.2	0.17	1.10	0.08	0.30	160	1
X789551		0.09	0.2	2.8	0.54	3.3	0.84	<1	27.5	0.1	0.15	0.15	0.09	<0.05	190	<1
X789552		0.09	0.3	2.8	0.55	5.8	0.89	1	35.1	0.1	0.15	0.15	0.08	0.06	190	4
X789553		0.08	0.2	2.9	0.51	2.2	0.85	<1	34.7	0.1	0.15	0.12	0.08	<0.05	189	1
X789554		0.08	0.2	2.7	0.52	1.5	0.86	<1	37.2	0.1	0.16	0.11	0.08	<0.05	183	1
X789555		0.13	4.7	8.6	2.09	10.7	1.88	2	176.0	0.4	0.28	1.00	0.14	0.33	82	3
X789556		0.08	0.3	3.8	0.83	2.9	0.99	<1	54.6	0.1	0.16	0.40	0.08	0.46	176	1
X789557		0.08	0.2	2.9	0.52	2.6	0.81	<1	38.1	0.1	0.15	0.12	0.09	0.09	182	1
X789558		0.09	0.4	3.5	0.74	7.0	0.86	<1	118.0	0.1	0.15	0.27	0.09	0.09	178	1
X789559		0.09	0.3	3.1	0.56	3.1	0.82	<1	32.7	0.1	0.16	0.15	0.10	0.08	190	1

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To: LAC DES ILES MINES LTD. (NAP)
556 TENTH AVE
THUNDER BAY ON P7B 2R2

Finalized Date: 16-APR-2019
Account: MZI

Project: EMB

CERTIFICATE OF ANALYSIS TB19078544

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
X789535		0.3	0.04	<2	0.6	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.02	<0.5	0.5	<1
X789536		4.8	0.58	9	0.1	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	0.01	0.02	<0.5	1.2	96
X789537		4.8	0.55	8	0.1	<0.01	<0.005	0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	1.2	99
X789538		4.7	0.57	8	<0.1	<0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	0.9	97
X789539		4.5	0.51	8	0.2	0.01	<0.005	0.008	<0.001	<0.05	0.2	<0.01	<0.02	<0.5	1.1	93
X789540		5.1	0.55	8	0.3	0.01	<0.005	0.009	<0.001	<0.05	0.2	<0.01	<0.02	<0.5	1.2	95
X789541		5.3	0.58	28	1.4	0.06	<0.005	0.005	<0.001	<0.05	0.2	0.01	0.11	<0.5	0.7	79
X789542		4.9	0.55	19	0.2	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.06	<0.5	1.0	89
X789543		4.8	0.50	26	0.2	0.01	<0.005	0.005	<0.001	<0.05	<0.2	<0.01	0.04	<0.5	0.8	71
X789544		5.6	0.62	19	0.2	0.02	<0.005	<0.005	<0.001	<0.05	0.2	<0.01	0.07	<0.5	1.0	79
X789545		6.5	0.68	22	0.5	0.02	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.10	<0.5	0.9	68
X789546		5.1	0.55	9	0.1	<0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	0.9	97
X789547		5.5	0.61	11	<0.1	0.01	<0.005	0.005	<0.001	<0.05	<0.2	<0.01	0.04	<0.5	0.7	88
X789548		5.3	0.58	13	0.3	0.02	<0.005	0.006	<0.001	<0.05	0.2	0.01	0.07	<0.5	1.1	82
X789549		5.4	0.57	15	0.2	0.01	<0.005	0.005	0.001	<0.05	<0.2	<0.01	0.10	<0.5	1.1	83
X789550		5.1	0.54	15	0.6	0.01	<0.005	0.008	<0.001	<0.05	<0.2	0.01	0.09	<0.5	0.9	78
X789551		5.1	0.57	9	0.1	0.01	<0.005	0.009	<0.001	<0.05	0.2	0.01	<0.02	<0.5	1.1	90
X789552		5.1	0.55	12	0.1	0.01	<0.005	0.007	<0.001	<0.05	0.2	<0.01	0.03	<0.5	1.2	88
X789553		5.0	0.55	9	4.3	0.03	<0.005	0.012	<0.001	<0.05	0.2	<0.01	<0.02	<0.5	0.8	86
X789554		4.8	0.55	9	5.9	0.04	<0.005	0.015	<0.001	0.05	0.2	0.01	<0.02	<0.5	1.1	89
X789555		9.0	0.89	55	12.9	0.89	0.141	0.102	0.019	2.07	21.4	4.15	0.14	3.6	3.3	940
X789556		5.3	0.60	12	1.1	0.06	<0.005	0.012	<0.001	<0.05	<0.2	0.01	0.02	<0.5	1.1	88
X789557		5.1	0.59	10	0.2	0.01	<0.005	0.010	<0.001	<0.05	0.2	<0.01	<0.02	<0.5	0.9	92
X789558		5.0	0.57	10	<0.1	0.01	<0.005	0.006	<0.001	<0.05	<0.2	<0.01	0.02	<0.5	1.0	92
X789559		5.1	0.59	10	0.1	0.01	<0.005	0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	1.0	93

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556 TENTH AVE
THUNDER BAY ON P7B 2R2

Finalized Date: 16-APR-2019
Account: MZI

Project: EMB

CERTIFICATE OF ANALYSIS TB19078544

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
X789535		1	10	<1	2	2	<1	19			<0.003
X789536		10	10	1	789	2	43	74			0.009
X789537		5	10	1	804	<2	42	74			0.004
X789538		6	10	1	778	<2	42	75			0.004
X789539		5	10	<1	771	<2	41	70			0.007
X789540		4	10	1	765	<2	42	71			0.008
X789541		7	10	1	631	<2	32	67			0.010
X789542		4	10	<1	716	<2	35	73			0.008
X789543		3	10	<1	581	<2	34	65			0.004
X789544		8	10	<1	645	<2	37	66			0.008
X789545		3	10	<1	573	2	39	66			0.012
X789546		7	10	<1	783	<2	43	76			0.004
X789547		6	10	1	697	<2	42	75			<0.003
X789548		9	<10	<1	670	<2	40	69			0.014
X789549		6	10	2	658	<2	40	72			0.014
X789550		5	10	<1	614	<2	37	72			<0.003
X789551		5	<10	<1	734	<2	42	75			0.004
X789552		8	10	1	715	<2	42	75			0.004
X789553		4	10	<1	695	2	42	74			<0.003
X789554		4	<10	<1	738	<2	41	85			0.007
X789555		>10000	10	4	>10000	16	8	140	1.590	4.43	17.30
X789556		22	<10	<1	730	<2	39	72			0.016
X789557		6	<10	<1	747	4	40	72			<0.003
X789558		7	10	<1	728	<2	39	79			0.011
X789559		5	<10	<1	744	<2	40	74			<0.003

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CERTIFICATE OF ANALYSIS TB19078544

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			