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

Finalized Date: 23-APR-2019
Account: MZI

CERTIFICATE TB19078537

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: TB19009511 MZI *****

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS TB19078537

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
X789027		9.49	0.02	0.08	29.4	21.5	0.02	0.01	<0.002	<0.01	0.05	0.01	0.02	0.04	39.1	99.74
X789028		82.8	5.37	3.11	0.04	0.45	0.06	0.65	0.015	0.32	0.18	0.10	0.01	0.07	5.20	98.38
X789029		50.9	4.14	12.80	9.48	21.5	0.35	0.06	0.426	0.24	0.23	0.01	<0.01	<0.01	0.18	100.32
X789030		49.9	4.87	11.90	9.33	20.1	0.55	0.14	0.399	0.23	0.21	0.01	0.01	<0.01	2.50	100.15
X789031		50.6	4.70	12.10	9.17	20.6	0.47	0.16	0.406	0.23	0.22	0.01	0.01	<0.01	1.99	100.67
X789032		51.2	4.25	12.60	9.45	21.3	0.39	0.10	0.419	0.24	0.23	0.01	0.01	<0.01	1.58	101.78
X789033		50.5	4.11	12.55	9.42	21.2	0.37	0.08	0.422	0.24	0.23	0.01	0.01	<0.01	0.95	100.09
X789034		50.3	4.03	12.55	9.30	21.4	0.34	0.06	0.419	0.24	0.22	0.01	0.01	<0.01	0.73	99.61
X789035		50.5	4.03	12.50	9.53	21.3	0.35	0.06	0.424	0.24	0.23	<0.01	0.01	<0.01	0.06	99.23
X789036		51.0	4.09	12.60	9.45	21.5	0.36	0.07	0.421	0.24	0.23	<0.01	0.01	<0.01	0.12	100.09
X789037		50.6	4.03	12.60	9.31	21.4	0.34	0.07	0.421	0.24	0.23	0.01	0.01	<0.01	0.30	99.56
X789038		50.5	4.24	12.35	9.33	21.0	0.38	0.08	0.413	0.24	0.23	0.01	0.01	<0.01	0.67	99.45
X789039		50.8	4.17	12.35	9.28	21.2	0.37	0.11	0.424	0.24	0.22	0.01	<0.01	<0.01	1.39	100.56
X789040		51.3	4.16	12.90	9.70	21.9	0.35	0.06	0.431	0.24	0.23	0.01	<0.01	<0.01	0.27	101.55
X789041		50.7	4.09	12.80	9.66	21.6	0.35	0.06	0.425	0.24	0.23	0.01	0.01	<0.01	0.63	100.81
X789042		49.9	4.05	12.55	9.48	21.3	0.35	0.07	0.417	0.24	0.23	0.02	<0.01	<0.01	0.99	99.60
X789043		51.3	4.20	12.80	9.53	21.8	0.36	0.07	0.425	0.24	0.23	0.01	<0.01	<0.01	0.59	101.56
X789044		50.6	4.17	12.65	9.57	21.6	0.35	0.08	0.421	0.24	0.23	0.01	<0.01	<0.01	1.35	101.27
X789045		50.6	4.08	12.75	9.57	21.6	0.34	0.05	0.420	0.24	0.23	0.02	0.01	<0.01	0.10	100.01
X789046		51.1	4.61	12.85	9.52	21.3	0.44	0.07	0.411	0.24	0.23	0.02	0.01	<0.01	0.38	101.18
X789047		46.7	12.75	20.9	6.25	6.76	2.19	0.64	0.034	1.26	0.19	0.16	0.03	0.02	1.20	99.08
X789048		50.4	4.53	12.25	9.44	20.9	0.46	0.08	0.409	0.23	0.22	0.02	0.01	<0.01	0.62	99.57
X789049		50.3	4.40	12.40	9.45	21.2	0.39	0.07	0.415	0.24	0.23	0.01	0.01	<0.01	0.83	99.95
X789050		50.6	4.52	12.20	9.58	20.7	0.46	0.11	0.405	0.24	0.23	0.02	0.01	<0.01	1.91	100.99
X789051		50.9	4.16	12.60	9.44	21.5	0.36	0.07	0.417	0.24	0.23	0.02	<0.01	<0.01	0.29	100.23
X789052		51.8	5.73	11.70	9.17	19.80	0.88	0.15	0.381	0.23	0.22	0.01	0.01	0.01	0.56	100.65
X789053		52.0	4.87	12.30	9.34	20.9	0.57	0.13	0.404	0.24	0.23	0.02	0.01	<0.01	0.08	101.09
X789054		51.5	4.34	12.55	9.61	21.4	0.39	0.13	0.415	0.25	0.23	0.01	0.01	<0.01	0.47	101.31
X789055		52.1	4.86	12.25	9.29	20.6	0.59	0.16	0.398	0.24	0.23	0.01	0.01	0.01	0.14	100.89
X789056		51.5	4.69	12.05	9.04	20.5	0.55	0.15	0.393	0.23	0.22	0.02	0.01	<0.01	0.05	99.40
X789057		51.9	5.90	11.25	8.84	18.90	0.96	0.21	0.361	0.24	0.21	0.02	0.02	0.01	0.56	99.38
X789058		50.1	4.07	12.40	9.30	21.2	0.34	0.06	0.408	0.24	0.23	0.01	0.01	<0.01	0.39	98.76
X789059		51.0	4.28	12.25	9.16	20.9	0.42	0.12	0.398	0.24	0.22	0.01	0.01	<0.01	0.58	99.59
X789060		52.7	7.00	10.25	8.30	17.65	1.83	0.23	0.336	0.22	0.19	0.02	0.02	0.01	2.14	100.90
X789061		50.3	4.98	11.45	9.05	19.70	0.60	0.22	0.369	0.22	0.21	0.01	0.01	0.01	2.37	99.50
X789062		51.2	5.79	11.60	9.49	19.85	0.70	0.13	0.372	0.21	0.22	0.01	0.01	<0.01	1.15	100.73
X789063		51.3	4.20	12.60	9.54	21.6	0.40	0.08	0.411	0.24	0.23	0.01	0.01	<0.01	0.57	101.19
X789064		51.0	4.94	11.65	9.09	20.1	0.71	0.11	0.383	0.23	0.22	0.01	0.01	<0.01	1.52	99.97
X789065		51.8	6.00	11.60	9.39	19.75	0.79	0.21	0.371	0.22	0.22	0.01	0.02	0.01	0.70	101.09
X789066		51.4	5.19	11.80	9.16	20.2	0.67	0.18	0.384	0.23	0.22	0.01	0.01	0.01	0.81	100.27

Comments: ***** ORIGINALLY FROM WO: TB19009511 MZI *****

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556 TENTH AVE
THUNDER BAY ON P7B 2R2

Finalized Date: 23-APR-2019
Account: MZI

Project: EMB

CERTIFICATE OF ANALYSIS TB19078537

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
X789027		10.50	<0.01	355	1.5	<10	0.22	<0.05	<0.03	<0.03	0.1	0.05	<5	<0.2	<0.01	1.4
X789028		4.01	0.01	651	196.5	100	1.04	1.54	0.97	0.47	7.3	1.62	<5	1.8	0.29	144.5
X789029		0.06	<0.01	19.2	3.5	3010	0.25	1.13	0.81	0.29	6.6	1.27	<5	0.4	0.22	1.3
X789030		0.10	0.02	40.9	3.2	2720	0.78	1.17	0.68	0.31	6.5	1.16	<5	0.3	0.18	1.1
X789031		0.06	0.01	40.2	3.4	2810	1.08	0.95	0.67	0.26	7.0	1.31	<5	0.3	0.23	1.4
X789032		0.06	0.01	25.0	3.4	2960	0.64	1.03	0.65	0.25	6.6	1.27	<5	0.4	0.23	1.1
X789033		0.04	0.01	22.8	3.5	3080	0.48	1.28	0.68	0.34	6.6	1.34	<5	0.4	0.22	1.2
X789034		0.04	0.01	18.3	3.3	2950	0.47	1.01	0.81	0.31	6.2	1.25	<5	0.4	0.21	1.1
X789035		0.03	0.01	19.0	3.5	3080	0.28	1.20	0.73	0.24	6.6	1.30	<5	0.4	0.24	1.2
X789036		0.02	0.01	21.7	3.4	3020	0.32	1.13	0.80	0.24	6.4	1.18	<5	0.4	0.23	1.3
X789037		0.05	0.01	21.4	3.3	2940	0.44	1.15	0.71	0.26	6.5	1.22	<5	0.4	0.22	1.0
X789038		0.06	0.01	20.6	3.1	2880	0.39	0.91	0.61	0.30	6.4	1.22	<5	0.3	0.20	1.1
X789039		0.05	0.01	29.9	3.3	3080	0.82	1.08	0.62	0.27	5.9	1.23	<5	0.3	0.24	1.3
X789040		0.02	0.01	18.4	3.2	3080	0.32	1.16	0.74	0.31	6.0	1.19	<5	0.3	0.24	1.2
X789041		0.04	0.01	18.8	3.4	3040	0.38	1.23	0.75	0.27	6.0	1.09	<5	0.4	0.24	1.3
X789042		0.05	0.01	22.4	3.2	2970	0.46	1.18	0.75	0.28	5.8	1.23	<5	0.4	0.26	1.3
X789043		0.04	0.01	20.2	3.3	3050	0.37	1.06	0.66	0.27	5.9	1.15	<5	0.4	0.22	1.2
X789044		0.06	0.01	21.2	3.3	3050	0.54	1.08	0.67	0.26	5.9	1.07	<5	0.4	0.25	1.3
X789045		0.01	0.01	23.1	6.5	3010	0.21	1.14	0.70	0.30	5.7	1.03	<5	0.4	0.23	3.5
X789046		0.03	0.01	25.1	3.4	2980	0.36	1.08	0.72	0.31	6.2	1.02	<5	0.3	0.22	1.5
X789047		0.07	1.78	224	25.6	240	0.97	2.85	1.48	1.06	15.2	2.89	<5	2.1	0.48	11.9
X789048		0.02	0.01	23.9	3.6	2990	0.43	1.17	0.66	0.28	6.1	1.17	<5	0.4	0.22	1.3
X789049		0.04	0.01	23.6	3.3	2990	0.46	1.07	0.62	0.28	6.1	1.10	<5	0.3	0.24	1.2
X789050		0.10	0.01	34.7	3.4	2880	0.84	1.25	0.69	0.30	6.4	1.04	<5	0.4	0.21	1.3
X789051		0.02	0.01	21.8	3.5	3040	0.33	1.04	0.68	0.31	5.9	1.24	<5	0.3	0.23	1.3
X789052		0.02	0.01	57.3	4.1	2750	0.62	0.99	0.60	0.31	7.2	1.19	<5	0.4	0.23	1.6
X789053		0.02	<0.01	41.6	4.0	2880	0.30	1.05	0.79	0.28	6.4	1.26	<5	0.4	0.25	1.5
X789054		0.07	0.01	36.3	4.3	3070	0.36	1.16	0.76	0.30	6.4	1.31	<5	0.4	0.25	1.6
X789055		0.01	<0.01	50.4	4.3	2800	0.29	1.13	0.75	0.28	6.3	1.11	<5	0.5	0.22	1.7
X789056		0.02	0.01	45.6	4.1	2740	0.27	1.13	0.67	0.28	6.1	1.15	<5	0.5	0.19	1.7
X789057		0.04	<0.01	79.2	5.6	2570	0.43	1.14	0.61	0.35	7.4	1.20	<5	0.4	0.22	2.3
X789058		0.05	0.01	18.8	3.3	2880	0.29	1.04	0.61	0.22	5.8	1.09	<5	0.4	0.22	1.2
X789059		0.03	0.01	38.7	5.7	2850	0.40	1.38	0.78	0.30	6.1	1.35	<5	0.4	0.26	2.5
X789060		0.09	<0.01	86.1	6.2	2360	0.99	0.99	0.51	0.25	7.8	0.94	<5	0.8	0.22	2.9
X789061		0.10	0.01	53.9	4.7	2660	0.97	1.15	0.75	0.29	7.0	1.39	<5	0.4	0.22	2.1
X789062		0.05	0.01	39.0	3.3	2590	0.65	1.08	0.56	0.26	7.0	1.00	<5	0.3	0.19	1.3
X789063		0.07	0.01	23.1	3.4	2910	0.49	1.24	0.56	0.28	5.9	1.16	<5	0.4	0.21	1.3
X789064		0.13	0.01	37.8	3.8	2680	0.61	0.98	0.72	0.29	6.5	1.19	<5	0.4	0.22	1.5
X789065		0.06	0.01	54.7	3.7	2610	0.90	1.09	0.65	0.30	8.0	1.02	<5	0.4	0.23	1.7
X789066		0.06	<0.01	52.8	3.9	2660	0.82	1.18	0.68	0.27	6.6	1.10	<5	0.4	0.23	1.7

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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
X789027		<0.01	<0.2	0.3	0.09	0.4	0.03	1	167.5	<0.1	<0.01	<0.05	<0.01	0.35	<5	4
X789028		0.18	5.2	49.1	18.35	21.7	3.39	2	55.4	0.3	0.28	5.80	0.15	8.14	86	3
X789029		0.12	<0.2	3.1	0.62	1.6	1.00	<1	54.5	<0.1	0.19	0.10	0.10	<0.05	235	<1
X789030		0.09	<0.2	2.5	0.52	4.6	0.94	<1	95.6	<0.1	0.19	0.06	0.09	<0.05	219	1
X789031		0.10	<0.2	2.9	0.57	5.9	1.02	1	84.1	<0.1	0.17	0.10	0.09	0.05	228	1
X789032		0.09	<0.2	2.8	0.61	3.2	0.99	<1	62.7	<0.1	0.18	0.07	0.08	<0.05	233	<1
X789033		0.11	<0.2	3.1	0.65	2.3	1.26	<1	57.3	<0.1	0.18	0.09	0.10	0.06	232	1
X789034		0.10	<0.2	3.0	0.51	1.7	0.83	<1	53.0	<0.1	0.18	0.08	0.09	<0.05	239	1
X789035		0.11	<0.2	3.1	0.60	1.5	1.05	<1	56.7	<0.1	0.17	0.06	0.11	<0.05	232	<1
X789036		0.11	<0.2	3.3	0.63	1.6	1.02	<1	57.0	<0.1	0.19	0.07	0.14	<0.05	233	1
X789037		0.10	<0.2	2.9	0.63	1.8	1.03	<1	53.7	<0.1	0.17	0.08	0.09	<0.05	232	<1
X789038		0.10	<0.2	3.1	0.58	2.1	0.87	<1	60.3	<0.1	0.17	0.08	0.11	<0.05	229	<1
X789039		0.10	<0.2	3.0	0.59	3.2	0.95	<1	54.0	0.1	0.17	0.07	0.11	<0.05	233	<1
X789040		0.09	<0.2	3.2	0.62	1.6	0.94	<1	57.9	0.1	0.18	0.07	0.11	<0.05	238	<1
X789041		0.11	<0.2	3.4	0.59	1.7	1.10	<1	54.6	0.1	0.19	0.08	0.11	<0.05	235	<1
X789042		0.12	<0.2	3.0	0.58	2.1	0.89	<1	53.6	0.1	0.20	0.09	0.09	<0.05	233	1
X789043		0.10	<0.2	3.2	0.53	2.0	1.06	<1	58.5	0.1	0.14	0.08	0.10	<0.05	237	<1
X789044		0.12	<0.2	3.3	0.59	2.3	0.96	<1	53.0	0.1	0.17	0.09	0.09	<0.05	230	<1
X789045		0.09	<0.2	3.7	0.84	1.4	1.03	<1	59.8	0.1	0.19	0.09	0.08	<0.05	236	<1
X789046		0.11	<0.2	3.0	0.57	1.9	1.04	<1	75.4	0.1	0.15	0.08	0.08	<0.05	233	<1
X789047		0.18	7.0	13.2	3.22	16.2	2.93	4	256	0.5	0.41	1.58	0.18	0.43	120	4
X789048		0.12	0.2	3.3	0.62	2.2	0.96	<1	76.0	0.1	0.15	0.10	0.10	<0.05	231	<1
X789049		0.10	<0.2	3.2	0.56	2.0	1.00	<1	69.5	0.1	0.16	0.08	0.09	<0.05	232	1
X789050		0.09	0.2	3.5	0.59	3.4	0.96	1	81.5	0.1	0.14	0.11	0.11	0.23	227	<1
X789051		0.09	0.2	3.5	0.56	2.1	0.91	<1	58.0	0.1	0.18	0.09	0.09	0.06	237	<1
X789052		0.10	0.2	3.5	0.64	3.7	1.05	<1	131.5	0.1	0.16	0.10	0.09	0.05	214	<1
X789053		0.09	0.2	3.2	0.65	3.1	1.14	<1	83.7	0.1	0.16	0.15	0.10	0.06	231	<1
X789054		0.11	0.2	3.8	0.71	3.0	1.07	<1	59.1	0.1	0.18	0.10	0.10	<0.05	239	1
X789055		0.10	0.3	3.6	0.73	3.3	1.09	<1	87.6	0.1	0.18	0.09	0.11	<0.05	231	<1
X789056		0.11	0.3	3.3	0.62	3.5	0.98	1	75.7	0.1	0.15	0.16	0.10	<0.05	221	6
X789057		0.10	0.4	3.9	0.87	4.6	1.20	<1	137.5	0.1	0.18	0.13	0.09	<0.05	213	<1
X789058		0.10	<0.2	3.1	0.59	1.7	1.18	<1	53.3	0.1	0.14	0.07	0.09	<0.05	234	1
X789059		0.10	0.6	4.3	0.87	3.6	1.23	<1	62.0	0.1	0.19	0.43	0.10	0.05	226	1
X789060		0.10	0.6	4.2	0.86	6.1	0.92	1	167.5	0.1	0.16	0.47	0.10	0.21	194	<1
X789061		0.10	0.2	3.8	0.76	6.3	1.05	1	84.1	0.1	0.16	0.10	0.08	<0.05	220	2
X789062		0.07	<0.2	2.9	0.54	3.7	0.91	<1	130.5	0.1	0.13	0.07	0.10	<0.05	211	<1
X789063		0.08	<0.2	3.5	0.62	2.2	0.80	<1	62.1	0.1	0.16	0.09	0.09	<0.05	238	<1
X789064		0.09	0.2	3.3	0.60	3.1	1.06	<1	106.0	0.1	0.16	0.48	0.10	0.17	228	<1
X789065		0.09	<0.2	3.2	0.61	5.9	0.96	1	147.5	0.1	0.13	0.15	0.08	0.05	215	<1
X789066		0.11	0.2	3.3	0.64	5.3	1.06	1	103.0	0.1	0.15	0.15	0.07	0.05	224	<1

Comments: ***** ORIGINALLY FROM WO: TB19009511 MZI *****

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

Finalized Date: 23-APR-2019
Account: MZI

Project: EMB

CERTIFICATE OF ANALYSIS TB19078537

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
X789027		0.3	<0.03	2	0.4	0.01	<0.005	<0.005	<0.001	<0.05	0.3	<0.01	0.02	<0.5	0.6	1
X789028		10.0	1.17	69	5.6	12.55	0.064	0.103	0.002	0.40	3.0	0.33	0.04	1.0	<0.5	63
X789029		6.0	0.74	9	0.1	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	0.9	83
X789030		5.6	0.56	9	0.1	0.01	<0.005	0.006	<0.001	<0.05	<0.2	<0.01	0.06	<0.5	<0.5	77
X789031		5.7	0.67	9	0.1	0.01	<0.005	0.005	<0.001	<0.05	<0.2	<0.01	0.06	<0.5	0.8	83
X789032		5.8	0.63	9	0.2	0.01	<0.005	0.005	<0.001	<0.05	<0.2	<0.01	0.02	<0.5	0.7	80
X789033		6.0	0.64	9	0.1	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	0.9	84
X789034		6.0	0.74	9	0.2	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	0.8	85
X789035		6.1	0.57	9	0.1	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	0.01	<0.02	<0.5	1.0	87
X789036		6.0	0.72	10	<0.1	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	0.8	85
X789037		5.8	0.65	10	<0.1	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	0.5	83
X789038		5.8	0.60	9	0.2	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	0.01	<0.02	<0.5	0.7	83
X789039		5.9	0.68	10	0.1	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	0.01	<0.02	<0.5	0.9	82
X789040		6.0	0.68	10	<0.1	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	0.7	86
X789041		5.9	0.72	10	0.1	<0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	0.8	86
X789042		5.7	0.60	10	0.1	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	0.01	<0.02	<0.5	0.8	81
X789043		5.9	0.65	10	0.1	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	0.7	83
X789044		5.9	0.72	10	0.5	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	0.7	83
X789045		5.8	0.66	9	0.1	<0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	0.6	84
X789046		5.7	0.60	10	<0.1	<0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	0.9	82
X789047		13.1	1.37	90	4.0	0.94	0.006	0.071	0.005	0.36	5.4	0.68	0.10	1.6	1.2	114
X789048		5.7	0.57	11	0.1	<0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	0.8	81
X789049		5.9	0.63	9	0.1	<0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	0.5	82
X789050		5.7	0.59	10	0.7	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.03	<0.5	0.8	77
X789051		6.0	0.60	10	<0.1	<0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	0.9	83
X789052		5.5	0.65	11	0.1	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.02	<0.5	0.7	78
X789053		5.9	0.63	11	<0.1	<0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	0.7	79
X789054		6.4	0.66	11	0.1	<0.01	<0.005	<0.005	<0.001	<0.05	<0.2	0.01	<0.02	<0.5	1.0	82
X789055		5.8	0.57	11	<0.1	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	0.8	80
X789056		5.8	0.60	13	0.1	<0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	0.6	83
X789057		5.9	0.73	11	0.1	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	0.01	0.02	<0.5	0.6	77
X789058		5.7	0.65	10	0.1	<0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	0.7	84
X789059		6.3	0.76	11	0.2	<0.01	<0.005	<0.005	<0.001	<0.05	<0.2	0.01	<0.02	<0.5	0.8	84
X789060		5.3	0.57	27	0.2	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.03	<0.5	0.8	68
X789061		5.7	0.62	12	0.3	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	0.01	0.03	<0.5	0.8	78
X789062		5.0	0.56	9	0.4	0.02	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.02	<0.5	0.6	78
X789063		6.1	0.72	10	0.1	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	0.5	86
X789064		5.8	0.62	13	0.5	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.02	<0.5	0.7	80
X789065		5.3	0.59	9	0.1	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.02	<0.5	0.8	77
X789066		5.5	0.60	12	0.1	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.02	<0.5	0.5	77

Comments: ***** ORIGINALLY FROM WO: TB19009511 MZI *****

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

Finalized Date: 23-APR-2019
Account: MZI

Project: EMB

CERTIFICATE OF ANALYSIS TB19078537

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
X789027		3	10	<1	3	<2	<1	14			0.008
X789028		87	10	6	85	53	5	45			2.85
X789029		10	<10	<1	544	<2	49	77			0.011
X789030		12	10	2	524	2	47	70			0.022
X789031		12	10	<1	553	<2	49	85			0.022
X789032		12	<10	<1	545	<2	48	78			<0.003
X789033		13	<10	<1	546	<2	49	77			0.006
X789034		14	10	<1	558	<2	49	76			0.009
X789035		16	<10	<1	563	<2	50	78			0.012
X789036		12	10	1	553	<2	49	78			0.008
X789037		12	10	<1	544	<2	49	76			0.008
X789038		11	10	<1	544	<2	50	79			0.008
X789039		12	10	<1	545	<2	50	79			0.006
X789040		11	<10	<1	561	<2	50	77			0.012
X789041		11	<10	<1	568	3	50	79			0.014
X789042		11	<10	<1	544	<2	49	76			0.017
X789043		10	<10	<1	550	<2	49	78			0.012
X789044		11	10	<1	541	<2	49	76			0.009
X789045		10	10	<1	556	<2	50	77			0.010
X789046		9	<10	<1	536	<2	48	77			0.008
X789047		4380	20	5	4210	19	12	102			4.10
X789048		13	<10	1	537	<2	48	76			0.010
X789049		9	<10	<1	531	<2	48	73			0.008
X789050		8	10	<1	506	6	47	72			0.008
X789051		10	<10	<1	537	2	50	77			0.008
X789052		8	10	<1	505	<2	47	77			0.006
X789053		9	10	<1	514	2	48	76			0.006
X789054		9	10	<1	520	<2	50	78			0.005
X789055		9	10	1	510	<2	48	79			0.005
X789056		8	<10	<1	524	2	49	79			0.004
X789057		7	10	<1	490	<2	47	80			0.005
X789058		11	<10	<1	550	<2	52	79			0.006
X789059		9	<10	<1	533	<2	50	76			0.007
X789060		10	10	<1	442	<2	42	67			0.009
X789061		16	10	<1	514	<2	48	75			0.010
X789062		12	10	<1	510	<2	47	81			0.014
X789063		15	<10	<1	564	<2	53	80			0.027
X789064		12	10	<1	514	<2	49	75			0.026
X789065		9	10	<1	492	<2	46	75			0.019
X789066		6	10	<1	496	<2	48	77			0.009

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

Finalized Date: 23-APR-2019
Account: MZI

Project: EMB

CERTIFICATE OF ANALYSIS TB19078537

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
X789067		20.9	0.04	0.09	27.1	21.7	0.02	0.01	<0.002	<0.01	0.05	0.01	0.02	0.02	29.8	99.76
X789068		51.5	4.60	12.50	9.53	21.4	0.41	0.11	0.406	0.23	0.23	0.01	0.01	<0.01	0.53	101.47
X789069		50.1	3.88	12.15	9.21	21.0	0.36	0.10	0.404	0.24	0.22	0.01	<0.01	<0.01	1.79	99.46
X789070		50.6	5.03	11.45	8.87	19.75	0.68	0.21	0.373	0.23	0.21	0.01	0.01	0.01	2.70	100.13
X789071		50.4	3.91	12.65	9.17	21.8	0.33	0.07	0.408	0.24	0.23	0.02	<0.01	<0.01	0.79	100.02
X789072		52.6	4.63	12.05	9.05	20.5	0.65	0.19	0.388	0.24	0.22	0.02	0.01	0.01	0.19	100.75
X789073		51.8	4.03	12.65	9.45	21.8	0.38	0.07	0.416	0.24	0.24	0.02	0.01	<0.01	0.15	101.26
X789074		50.5	3.90	12.35	9.38	21.3	0.36	0.08	0.409	0.24	0.23	0.02	<0.01	<0.01	0.31	99.08
X789075		50.7	3.75	12.55	9.49	21.6	0.32	0.05	0.415	0.24	0.23	0.01	<0.01	<0.01	0.30	99.66
X789076		50.2	4.28	11.85	8.88	20.3	0.54	0.17	0.383	0.23	0.22	0.01	0.01	<0.01	1.87	98.94
X789077		50.0	4.12	11.90	9.00	20.1	0.43	0.21	0.384	0.24	0.22	<0.01	<0.01	0.01	2.62	99.23
X789078		52.9	4.39	12.05	9.04	20.7	0.58	0.12	0.394	0.23	0.22	<0.01	<0.01	<0.01	0.58	101.20
X789079		52.4	5.01	10.95	8.32	18.90	0.86	0.23	0.359	0.22	0.20	<0.01	0.01	0.01	2.51	99.98
X789080		49.4	4.03	11.70	9.32	19.85	0.35	0.15	0.383	0.23	0.21	0.01	<0.01	<0.01	3.83	99.46
X789081		50.4	3.99	12.15	9.16	20.9	0.41	0.09	0.401	0.23	0.22	0.01	<0.01	<0.01	1.20	99.16
X789082		51.5	3.78	12.55	9.42	21.7	0.34	0.06	0.416	0.24	0.23	0.01	<0.01	<0.01	0.00	100.25
X789083		52.8	4.47	11.75	8.90	20.2	0.66	0.16	0.384	0.23	0.22	<0.01	0.01	0.01	0.47	100.26
X789084		53.0	5.54	11.10	8.57	18.70	0.98	0.33	0.351	0.23	0.21	0.01	0.01	0.01	1.29	100.33
X789085		51.8	4.35	12.15	8.76	20.9	0.52	0.29	0.391	0.25	0.22	<0.01	<0.01	0.01	0.87	100.51
X789086		50.9	5.52	10.85	8.42	18.25	0.95	0.35	0.345	0.24	0.20	0.02	0.01	0.01	2.58	98.65
X789087		33.2	10.15	25.0	5.00	6.82	1.58	0.37	0.050	0.88	0.13	0.10	0.02	0.01	6.79	90.10
X789088		51.2	5.62	11.10	8.70	18.20	0.94	0.31	0.345	0.25	0.21	<0.01	0.01	0.01	2.43	99.33
X789089		52.5	4.84	11.80	9.16	20.2	0.70	0.19	0.388	0.24	0.22	0.01	0.01	0.01	1.12	101.39
X789090		51.4	4.35	12.10	9.13	20.7	0.53	0.12	0.392	0.23	0.23	0.01	0.01	<0.01	0.52	99.72
X789091		51.3	4.41	11.95	9.10	20.6	0.53	0.12	0.391	0.23	0.22	0.01	0.01	<0.01	0.12	98.99
X789092		52.7	5.57	10.90	8.50	18.45	0.94	0.28	0.348	0.21	0.20	0.01	0.01	0.01	0.54	98.67
X789093		51.6	4.21	12.15	9.33	21.1	0.48	0.12	0.402	0.24	0.23	<0.01	<0.01	<0.01	0.14	100.00
X789094		51.6	5.17	11.30	8.64	19.40	0.78	0.24	0.367	0.23	0.20	0.01	0.01	0.01	2.19	100.15
X789095		52.0	4.57	11.55	8.80	19.50	0.73	0.19	0.364	0.25	0.23	0.01	<0.01	0.01	2.86	101.06
X789096		49.8	4.91	11.80	9.16	18.60	0.59	0.14	0.341	0.24	0.22	0.01	<0.01	<0.01	3.50	99.31
X789097		49.0	3.76	11.20	9.76	19.55	0.33	0.12	0.374	0.23	0.21	<0.01	<0.01	<0.01	5.15	99.68
X789098		49.9	4.98	10.65	8.48	18.70	0.80	0.17	0.347	0.22	0.20	0.01	0.01	0.01	4.32	98.80
X789099		49.4	3.98	11.30	9.13	19.90	0.23	0.06	0.375	0.23	0.22	0.01	<0.01	<0.01	4.21	99.05
X789100		48.6	3.69	11.20	8.73	19.95	0.25	0.10	0.378	0.23	0.21	0.01	<0.01	<0.01	5.17	98.52
X789101		49.3	4.37	11.05	9.97	19.35	0.48	0.07	0.363	0.22	0.21	<0.01	0.01	<0.01	4.98	100.37
X789102		48.9	4.40	11.15	9.06	19.35	0.36	0.10	0.358	0.22	0.20	<0.01	<0.01	<0.01	4.45	98.55
X789103		49.1	3.71	11.20	9.51	19.65	0.30	0.05	0.373	0.23	0.21	<0.01	<0.01	<0.01	4.58	98.91
X789104		46.3	12.60	20.7	6.17	6.66	2.16	0.62	0.033	1.23	0.19	0.15	0.03	0.02	0.96	97.82

Comments: ***** ORIGINALLY FROM WO: TB19009511 MZI *****

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

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

Finalized Date: 23-APR-2019
Account: MZI

Project: EMB

CERTIFICATE OF ANALYSIS TB19078537

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
X789067		7.62	0.01	180.5	0.6	10	0.16	0.07	<0.03	<0.03	0.2	0.06	<5	<0.2	0.02	0.5
X789068		0.04	0.01	29.0	3.3	2810	0.54	1.01	0.62	0.28	6.2	1.15	<5	0.3	0.24	1.3
X789069		0.18	0.02	23.5	3.4	2830	1.02	0.96	0.66	0.27	5.4	1.21	<5	0.4	0.24	1.3
X789070		0.20	0.02	61.0	4.2	2600	1.20	1.19	0.59	0.28	6.5	1.07	<5	0.5	0.19	1.7
X789071		0.07	0.01	21.8	3.3	2850	0.40	1.22	0.75	0.26	5.7	1.12	<5	0.4	0.22	1.3
X789072		0.04	0.01	68.0	5.4	2710	0.35	1.21	0.74	0.29	6.4	1.10	<5	0.5	0.23	2.4
X789073		0.04	0.01	22.4	3.8	2930	0.22	1.20	0.74	0.27	5.9	1.16	<5	0.3	0.24	1.5
X789074		0.03	0.01	25.5	5.8	2780	0.34	1.16	0.68	0.32	5.7	1.04	<5	0.4	0.19	2.2
X789075		0.03	0.01	17.3	4.1	2770	0.20	1.15	0.79	0.28	5.2	1.18	<5	0.4	0.21	1.6
X789076		0.14	0.03	47.6	3.7	2580	0.83	1.05	0.66	0.29	5.9	1.18	<5	0.3	0.20	1.5
X789077		0.17	0.03	56.1	5.1	2550	1.27	1.07	0.60	0.25	5.8	1.17	<5	0.4	0.19	2.3
X789078		0.04	0.01	42.5	5.6	2580	0.45	1.12	0.66	0.28	5.8	1.10	<5	0.5	0.22	2.4
X789079		0.18	0.01	79.6	5.9	2430	0.92	0.98	0.66	0.24	6.3	1.17	<5	0.5	0.19	2.8
X789080		0.29	0.02	45.7	4.1	2580	1.63	1.10	0.65	0.28	5.8	0.99	<5	0.4	0.23	1.7
X789081		0.12	0.01	26.0	3.6	2710	0.43	0.94	0.63	0.28	5.3	1.05	<5	0.4	0.21	1.4
X789082		0.03	0.01	19.8	3.4	2800	0.21	0.98	0.59	0.26	5.5	1.12	<5	0.4	0.21	1.3
X789083		0.05	0.01	55.7	3.9	2600	0.61	1.20	0.70	0.26	5.8	1.08	<5	0.4	0.18	1.6
X789084		0.08	0.01	101.5	6.2	2370	1.19	1.03	0.67	0.29	7.2	1.04	<5	0.6	0.21	3.0
X789085		0.05	0.01	69.6	5.0	2640	0.77	1.29	0.76	0.31	6.0	1.15	<5	0.5	0.21	1.9
X789086		0.19	0.02	109.0	5.8	2320	1.40	1.13	0.59	0.35	7.0	1.17	<5	0.4	0.21	2.5
X789087		0.10	9.25	122.5	16.1	320	0.72	1.75	1.00	0.77	10.5	1.90	<5	1.4	0.34	7.4
X789088		0.15	0.03	90.5	6.8	2360	0.99	1.42	0.63	0.36	7.6	1.13	<5	0.6	0.24	2.9
X789089		0.11	0.02	56.9	4.4	2680	0.84	1.08	0.69	0.26	6.5	1.25	<5	0.4	0.21	1.9
X789090		0.10	0.01	39.2	3.9	2680	0.36	1.12	0.63	0.26	6.1	0.99	<5	0.4	0.22	1.7
X789091		0.03	0.01	39.7	3.8	2690	0.25	1.14	0.68	0.24	6.0	1.07	<5	0.4	0.18	1.4
X789092		0.06	0.01	92.0	5.6	2400	0.53	0.99	0.58	0.26	7.1	1.13	<5	0.4	0.21	2.6
X789093		0.05	0.01	37.7	3.7	2830	0.31	1.09	0.81	0.26	6.0	1.27	<5	0.4	0.22	1.5
X789094		0.09	0.02	89.6	4.6	2620	1.49	1.04	0.63	0.28	7.0	1.17	<5	0.5	0.23	1.9
X789095		0.07	0.02	49.8	6.1	2530	1.50	1.27	0.69	0.33	6.4	1.23	<5	0.5	0.23	2.4
X789096		0.17	0.01	42.8	5.6	2360	1.06	1.07	0.69	0.38	7.3	1.27	<5	0.5	0.22	2.1
X789097		0.59	0.02	25.7	4.0	2630	1.70	1.24	0.64	0.31	6.0	1.15	<5	0.4	0.22	1.5
X789098		0.35	0.01	54.7	4.3	2400	2.18	1.02	0.59	0.24	6.5	0.91	<5	0.4	0.20	1.7
X789099		0.25	0.02	8.2	3.7	2590	1.46	1.13	0.59	0.27	5.6	1.05	<5	0.4	0.22	1.5
X789100		0.51	0.03	16.8	3.6	2650	1.88	1.11	0.63	0.29	5.5	0.99	<5	0.4	0.21	1.4
X789101		0.55	0.06	40.5	4.2	2570	0.96	1.07	0.67	0.34	6.0	1.03	<5	0.4	0.19	1.7
X789102		0.35	0.01	20.6	3.7	2580	1.82	1.06	0.70	0.28	6.3	1.16	<5	0.4	0.20	1.4
X789103		0.49	0.03	6.8	3.7	2650	1.00	1.03	0.66	0.26	5.4	0.97	<5	0.4	0.19	1.3
X789104		0.08	1.75	224	25.4	230	0.94	2.39	1.36	1.09	14.6	2.88	<5	2.1	0.49	12.0

Comments: ***** ORIGINALLY FROM WO: TB19009511 MZI *****

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

Finalized Date: 23-APR-2019
Account: MZI

Project: EMB

CERTIFICATE OF ANALYSIS TB19078537

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
X789067		0.01	<0.2	0.3	0.06	0.4	<0.03	<1	168.0	0.1	0.01	<0.05	0.01	0.23	<5	<1
X789068		0.10	<0.2	3.2	0.54	3.3	1.07	1	68.7	0.1	0.15	0.08	0.08	<0.05	229	1
X789069		0.11	0.2	3.2	0.60	3.3	1.01	<1	50.4	0.1	0.14	0.08	0.11	<0.05	246	50
X789070		0.11	0.3	3.4	0.68	6.0	0.96	<1	95.8	0.1	0.19	0.13	0.09	<0.05	219	<1
X789071		0.11	<0.2	3.1	0.60	2.0	1.03	<1	46.8	0.1	0.17	0.06	0.09	<0.05	239	<1
X789072		0.09	0.4	3.6	0.74	4.4	0.98	1	76.9	0.1	0.18	0.26	0.10	0.05	228	1
X789073		0.10	0.2	3.2	0.62	1.8	0.97	<1	56.2	0.1	0.18	0.08	0.10	<0.05	243	<1
X789074		0.11	1.6	4.3	0.87	2.3	1.27	1	54.1	<0.1	0.18	0.23	0.12	<0.05	236	<1
X789075		0.10	0.6	3.5	0.64	1.6	1.10	1	45.9	<0.1	0.21	0.12	0.11	<0.05	245	<1
X789076		0.10	0.3	3.2	0.62	5.8	0.98	<1	69.5	<0.1	0.15	0.09	0.11	<0.05	225	1
X789077		0.09	0.4	3.8	0.80	7.6	1.22	1	47.3	<0.1	0.15	0.17	0.10	<0.05	226	1
X789078		0.08	0.4	3.8	0.79	3.9	1.27	<1	61.7	<0.1	0.18	1.15	0.08	0.29	227	<1
X789079		0.08	0.5	3.9	0.84	6.6	0.92	<1	77.9	0.1	0.15	0.78	0.10	0.35	210	1
X789080		0.11	0.2	3.5	0.69	4.8	1.17	<1	54.3	<0.1	0.18	0.09	0.09	<0.05	225	1
X789081		0.08	<0.2	3.2	0.62	2.8	1.02	<1	58.6	<0.1	0.15	0.13	0.09	<0.05	233	1
X789082		0.11	<0.2	3.4	0.57	1.5	0.97	<1	47.9	<0.1	0.19	0.08	0.10	<0.05	234	<1
X789083		0.08	0.2	3.2	0.60	5.0	0.94	<1	78.1	<0.1	0.17	0.12	0.09	0.05	220	<1
X789084		0.09	0.4	4.1	0.88	9.3	1.23	<1	122.0	<0.1	0.18	0.57	0.08	0.16	201	<1
X789085		0.10	0.5	4.1	0.77	8.7	1.21	<1	62.8	<0.1	0.19	0.26	0.09	0.09	226	<1
X789086		0.09	0.5	4.1	0.84	9.3	1.15	<1	116.0	<0.1	0.16	0.20	0.08	0.07	210	<1
X789087		0.12	4.8	8.4	2.05	9.9	2.05	2	168.5	0.3	0.30	0.98	0.12	0.36	78	3
X789088		0.09	0.6	4.9	1.04	7.5	1.43	1	117.0	<0.1	0.19	0.19	0.10	0.06	208	<1
X789089		0.08	0.3	3.4	0.65	6.1	1.06	<1	90.0	<0.1	0.17	0.11	0.10	0.07	229	1
X789090		0.11	0.2	3.3	0.62	2.9	1.16	1	70.5	<0.1	0.15	0.12	0.08	<0.05	226	<1
X789091		0.10	0.2	3.0	0.60	2.7	1.04	<1	77.0	<0.1	0.19	0.11	0.10	0.13	231	<1
X789092		0.09	0.3	3.4	0.74	6.1	0.96	<1	126.0	<0.1	0.15	0.94	0.08	0.27	204	<1
X789093		0.10	0.2	3.2	0.61	3.0	0.92	1	67.1	<0.1	0.16	0.08	0.09	<0.05	233	<1
X789094		0.09	0.2	3.8	0.65	6.9	0.97	1	119.5	<0.1	0.15	0.11	0.10	<0.05	211	<1
X789095		0.13	0.6	4.1	0.89	5.5	1.03	<1	66.2	<0.1	0.21	0.26	0.11	0.09	217	1
X789096		0.09	0.5	4.4	0.89	3.3	1.27	1	66.2	<0.1	0.18	0.12	0.10	<0.05	208	1
X789097		0.09	0.2	3.2	0.65	4.1	1.11	<1	43.6	<0.1	0.18	0.07	0.08	<0.05	229	1
X789098		0.08	0.3	3.5	0.69	5.8	0.94	<1	84.1	<0.1	0.15	0.16	0.09	0.05	210	1
X789099		0.09	<0.2	2.9	0.60	2.2	1.05	<1	23.8	<0.1	0.16	0.08	0.10	<0.05	226	1
X789100		0.10	0.2	3.3	0.59	3.5	0.94	<1	39.5	<0.1	0.17	0.20	0.10	<0.05	232	<1
X789101		0.10	0.2	3.3	0.63	2.1	1.05	<1	72.7	<0.1	0.18	0.21	0.10	<0.05	224	1
X789102		0.10	0.2	3.2	0.62	3.3	0.90	1	34.1	<0.1	0.18	0.35	0.10	0.11	217	1
X789103		0.09	0.2	3.1	0.63	1.7	0.85	1	33.6	<0.1	0.15	0.09	0.09	<0.05	227	1
X789104		0.17	6.7	13.0	3.12	15.4	2.91	4	249	0.4	0.45	1.47	0.17	0.50	124	6

Comments: ***** ORIGINALLY FROM WO: TB19009511 MZI *****

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

Finalized Date: 23-APR-2019
Account: MZI

Project: EMB

CERTIFICATE OF ANALYSIS TB19078537

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
X789067		0.4	0.04	<2	0.5	0.01	<0.005	<0.005	<0.001	<0.05	0.2	0.01	<0.02	<0.5	<0.5	1
X789068		5.7	0.63	10	<0.1	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.02	<0.5	0.7	82
X789069		6.0	0.70	10	0.1	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.03	<0.5	0.8	81
X789070		5.5	0.57	14	0.6	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.05	<0.5	0.7	77
X789071		5.9	0.67	10	0.1	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	0.8	82
X789072		5.8	0.66	14	0.1	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.02	<0.5	0.7	77
X789073		5.9	0.74	10	0.1	<0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	0.9	80
X789074		6.0	0.69	10	<0.1	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	0.7	81
X789075		5.9	0.64	9	<0.1	<0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	0.9	85
X789076		5.6	0.60	10	0.3	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	0.01	0.04	<0.5	0.6	80
X789077		5.7	0.69	12	0.8	0.02	<0.005	0.005	<0.001	<0.05	<0.2	0.01	0.05	<0.5	0.7	82
X789078		5.9	0.62	14	0.2	0.01	<0.005	<0.005	0.001	<0.05	<0.2	<0.01	0.02	<0.5	0.5	78
X789079		5.4	0.63	15	0.5	0.01	<0.005	0.005	<0.001	<0.05	<0.2	<0.01	0.03	<0.5	0.8	74
X789080		5.7	0.65	10	0.3	0.01	<0.005	0.006	<0.001	<0.05	<0.2	<0.01	0.04	<0.5	0.8	79
X789081		5.6	0.70	10	0.2	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	0.8	83
X789082		5.9	0.66	9	0.1	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	0.9	84
X789083		5.6	0.63	11	0.1	0.01	<0.005	0.041	<0.001	<0.05	<0.2	<0.01	0.02	<0.5	0.6	76
X789084		5.7	0.65	17	0.2	0.01	<0.005	<0.005	0.009	<0.05	<0.2	<0.01	0.05	<0.5	0.7	73
X789085		5.9	0.65	16	0.1	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.04	<0.5	<0.5	79
X789086		5.6	0.58	16	0.2	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.07	<0.5	<0.5	70
X789087		9.1	0.95	60	13.1	1.00	0.151	0.105	0.022	2.81	23.2	4.51	0.17	4.1	2.3	953
X789088		6.2	0.63	15	0.4	0.01	<0.005	0.005	<0.001	<0.05	<0.2	<0.01	0.04	<0.5	0.8	70
X789089		5.7	0.70	11	0.2	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.04	<0.5	0.6	79
X789090		5.6	0.61	10	0.2	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	0.6	79
X789091		5.7	0.58	9	<0.1	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	0.8	80
X789092		5.2	0.57	12	0.2	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	0.01	0.03	<0.5	0.7	76
X789093		5.9	0.59	10	0.1	<0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	0.7	84
X789094		5.7	0.60	10	0.2	0.01	<0.005	0.005	<0.001	<0.05	<0.2	<0.01	0.04	<0.5	0.5	79
X789095		6.0	0.75	16	0.2	0.01	<0.005	<0.005	0.001	<0.05	<0.2	<0.01	0.04	<0.5	0.8	79
X789096		5.9	0.68	14	0.1	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.02	<0.5	0.5	74
X789097		5.7	0.67	10	0.2	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.02	<0.5	0.6	78
X789098		5.3	0.65	10	0.2	0.02	<0.005	<0.005	0.002	<0.05	<0.2	<0.01	0.03	<0.5	0.5	73
X789099		5.3	0.58	10	0.2	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	0.5	81
X789100		5.6	0.54	12	0.3	0.03	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.02	<0.5	0.6	83
X789101		5.3	0.56	10	0.3	0.04	<0.005	0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	0.6	77
X789102		5.5	0.63	10	0.1	0.02	<0.005	0.005	<0.001	<0.05	<0.2	<0.01	0.02	<0.5	0.6	76
X789103		5.5	0.61	9	0.2	0.03	<0.005	<0.005	<0.001	<0.05	<0.2	0.01	<0.02	<0.5	0.7	79
X789104		12.6	1.28	94	3.6	0.81	0.006	0.069	0.005	0.34	5.3	0.54	0.11	2.0	1.4	116

Comments: ***** ORIGINALLY FROM WO: TB19009511 MZI *****

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

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

Finalized Date: 23-APR-2019
Account: MZI

Project: EMB

CERTIFICATE OF ANALYSIS TB19078537

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
X789067		<1	10	<1	1	<2	<1	21			<0.003
X789068		7	10	<1	530	<2	51	77			0.013
X789069		9	10	1	519	<2	51	72			0.017
X789070		10	10	<1	502	3	47	73			0.017
X789071		10	10	<1	546	<2	49	76			0.011
X789072		8	10	<1	498	<2	48	77			0.007
X789073		8	<10	<1	526	<2	51	77			0.006
X789074		8	10	<1	535	4	52	78			0.009
X789075		8	<10	<1	559	<2	53	80			0.007
X789076		13	<10	1	521	<2	48	74			0.016
X789077		14	10	<1	515	<2	49	75			0.022
X789078		13	<10	5	504	<2	47	73			0.022
X789079		10	<10	<1	474	3	44	67			0.016
X789080		11	10	<1	518	<2	48	71			0.008
X789081		12	<10	<1	540	2	51	75			0.010
X789082		14	<10	<1	547	<2	51	77			0.016
X789083		11	10	<1	501	2	47	73			0.008
X789084		8	10	20	471	3	44	73			0.021
X789085		10	10	1	536	3	47	77			0.018
X789086		9	10	<1	447	2	42	70			0.008
X789087		>10000	10	4	>10000	18	8	139	1.600	4.53	16.80
X789088		15	10	<1	467	<2	43	81			0.017
X789089		12	10	1	516	6	50	77			0.010
X789090		12	10	<1	520	<2	50	77			0.019
X789091		11	10	<1	533	<2	51	79			<0.003
X789092		10	10	<1	487	<2	47	77			0.010
X789093		11	10	<1	540	4	52	79			0.006
X789094		11	10	<1	521	<2	49	76			0.008
X789095		6	10	2	499	<2	48	90			0.015
X789096		9	10	<1	464	3	45	87			0.004
X789097		8	10	<1	514	2	49	74			0.004
X789098		5	10	7	468	<2	46	73			0.005
X789099		12	10	<1	522	<2	51	77			0.007
X789100		12	10	<1	544	4	53	79			0.012
X789101		15	10	<1	501	2	47	77			0.016
X789102		2	10	<1	496	<2	47	76			<0.003
X789103		7	10	<1	518	<2	49	74			0.005
X789104		4580	20	5	4410	23	12	105			4.38

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556 TENTH AVE
THUNDER BAY ON P7B 2R2

Finalized Date: 23-APR-2019
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Project: EMB

CERTIFICATE OF ANALYSIS TB19078537

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada
FND-02

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

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