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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 TB19078542

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: TB19060904 MZI *****

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS TB19078542

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
X789339		15.95	0.04	0.10	29.0	22.9	0.02	0.01	<0.002	<0.01	0.05	0.01	0.01	0.03	33.4	101.52
X789340		82.0	5.55	3.27	0.04	0.47	0.06	0.68	0.015	0.32	0.19	0.11	0.01	0.07	5.29	98.08
X789341		47.5	5.19	12.10	9.35	20.1	0.47	0.36	0.382	0.25	0.20	0.01	<0.01	0.01	4.19	100.11
X789342		47.1	4.85	12.10	10.25	19.95	0.42	0.20	0.381	0.24	0.21	0.02	<0.01	<0.01	4.73	100.45
X789343		46.4	4.76	12.15	10.25	20.00	0.32	0.11	0.379	0.24	0.21	<0.01	<0.01	<0.01	4.44	99.26
X789344		47.2	4.82	12.25	9.82	20.3	0.36	0.24	0.385	0.24	0.20	0.01	<0.01	<0.01	4.27	100.10
X789345		48.2	5.06	12.40	9.79	20.6	0.45	0.20	0.389	0.25	0.21	0.01	<0.01	<0.01	4.01	101.57
X789346		48.3	5.09	12.25	10.55	20.3	0.44	0.08	0.384	0.25	0.23	0.01	0.01	<0.01	3.71	101.60
X789347		47.7	4.94	12.30	9.80	20.7	0.33	0.08	0.391	0.25	0.22	0.01	<0.01	<0.01	3.83	100.55
X789348		47.4	4.81	12.40	10.30	20.5	0.35	0.08	0.385	0.24	0.22	0.01	<0.01	<0.01	4.27	100.97
X789349		47.4	4.84	12.30	10.20	20.3	0.38	0.11	0.383	0.24	0.22	0.01	<0.01	<0.01	4.20	100.58
X789350		47.5	4.85	12.35	9.41	20.6	0.34	0.10	0.389	0.25	0.21	0.01	<0.01	<0.01	3.74	99.75
X789351		48.2	4.96	12.50	8.87	21.0	0.35	0.26	0.396	0.25	0.21	0.02	<0.01	<0.01	3.78	100.80
X789352		47.8	4.91	12.35	9.87	20.7	0.35	0.08	0.391	0.25	0.22	0.01	<0.01	<0.01	3.73	100.66
X789353		49.0	6.64	11.30	9.19	18.85	1.17	0.25	0.350	0.23	0.20	0.01	0.02	0.01	3.12	100.34
X789354		48.1	4.89	12.55	8.70	21.0	0.37	0.47	0.393	0.25	0.21	0.01	<0.01	0.01	3.37	100.32
X789355		47.6	4.76	12.40	9.83	20.7	0.35	0.28	0.384	0.24	0.22	0.02	<0.01	<0.01	3.48	100.26
X789356		47.5	4.87	12.25	10.05	20.4	0.48	0.17	0.377	0.24	0.22	0.01	0.01	<0.01	3.54	100.12
X789357		47.8	4.90	12.10	10.15	20.5	0.49	0.15	0.379	0.25	0.22	0.02	0.01	<0.01	3.32	100.29
X789358		47.7	5.75	11.65	9.93	19.45	0.74	0.18	0.362	0.23	0.21	<0.01	0.01	0.01	3.67	99.89
X789359		45.5	12.90	21.3	6.41	7.01	2.19	0.64	0.035	1.28	0.19	0.16	0.03	0.02	1.03	98.70
X789360		47.6	8.25	11.80	7.74	17.00	1.69	1.66	0.248	0.46	0.18	0.31	0.03	0.04	3.32	100.33
X789361		48.5	8.28	10.50	9.42	16.10	1.99	1.62	0.246	0.46	0.19	0.30	0.06	0.05	3.21	100.93
X789362		48.1	6.15	11.20	9.86	18.65	1.08	0.73	0.322	0.35	0.21	0.14	0.02	0.02	3.08	99.91
X789363		46.0	10.05	10.75	9.32	14.90	2.18	1.85	0.193	0.58	0.17	0.42	0.11	0.08	3.46	100.06
X789364		49.4	4.54	12.05	9.39	20.5	0.42	0.32	0.373	0.25	0.22	0.01	<0.01	0.01	2.88	100.36
X789365		48.9	4.49	12.05	9.56	20.5	0.40	0.29	0.373	0.25	0.22	0.01	<0.01	<0.01	2.86	99.90
X789366		48.9	4.73	11.85	9.99	19.95	0.50	0.33	0.359	0.25	0.22	0.01	<0.01	0.01	2.93	100.03
X789367		50.6	4.45	11.75	9.57	20.1	0.39	0.07	0.365	0.25	0.22	<0.01	<0.01	<0.01	3.19	100.96
X789368		50.7	4.91	11.60	9.01	19.80	0.56	0.09	0.351	0.25	0.21	0.01	0.01	<0.01	3.17	100.67
X789369		50.9	4.52	11.80	9.26	20.1	0.42	0.06	0.359	0.25	0.21	<0.01	<0.01	<0.01	3.04	100.92
X789370		49.4	4.29	11.85	9.84	19.85	0.35	0.06	0.357	0.25	0.21	0.01	0.01	<0.01	3.65	100.13
X789371		49.1	4.50	11.90	9.10	19.85	0.32	0.08	0.366	0.25	0.21	0.01	<0.01	<0.01	4.16	99.85
X789372		50.1	4.58	11.75	9.79	20.2	0.31	0.05	0.362	0.25	0.22	0.01	<0.01	<0.01	3.60	101.22
X789373		50.4	4.79	11.85	9.69	20.2	0.38	0.11	0.360	0.26	0.22	<0.01	<0.01	<0.01	3.40	101.66
X789374		50.6	5.86	10.60	8.80	18.35	0.89	0.54	0.321	0.23	0.20	0.02	0.02	0.01	2.69	99.13
X789375		51.0	4.93	11.55	9.24	19.60	0.44	0.62	0.357	0.26	0.22	<0.01	0.01	0.01	2.82	101.06
X789376		49.1	4.50	11.50	9.53	19.75	0.32	0.30	0.352	0.24	0.21	0.01	0.01	<0.01	4.12	99.94
X789377		49.8	4.56	11.60	9.85	19.95	0.38	0.09	0.355	0.25	0.22	0.01	0.01	<0.01	3.53	100.61
X789378		50.4	4.70	11.70	8.74	20.1	0.39	0.41	0.370	0.25	0.22	0.01	<0.01	0.01	2.84	100.14

Comments: ***** ORIGINALLY FROM WO: TB19060904 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 TB19078542

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
X789339		8.54	0.02	285	0.5	10	0.22	<0.05	<0.03	<0.03	0.1	<0.05	<5	<0.2	<0.01	0.6
X789340		3.85	0.02	637	227	110	1.09	1.39	0.95	0.53	7.1	1.51	<5	1.9	0.33	163.5
X789341		0.34	0.02	64.7	4.4	2740	3.66	1.10	0.68	0.32	6.9	1.20	<5	0.4	0.23	1.9
X789342		0.50	0.02	31.3	4.1	2720	2.43	1.05	0.66	0.32	6.6	1.11	<5	0.4	0.23	1.7
X789343		0.42	0.02	17.5	3.8	2770	1.33	1.11	0.64	0.30	6.5	1.09	<5	0.4	0.24	1.5
X789344		0.38	0.03	39.6	3.9	2800	2.90	1.10	0.63	0.31	6.6	1.11	<5	0.4	0.24	1.4
X789345		0.32	0.02	33.7	3.8	2770	2.26	1.13	0.69	0.32	6.8	1.13	<5	0.4	0.25	1.4
X789346		0.23	0.02	15.4	4.4	2770	0.87	1.13	0.71	0.34	6.9	1.15	<5	0.4	0.24	1.8
X789347		0.21	0.02	12.1	4.1	2780	1.01	1.12	0.69	0.31	6.8	1.17	<5	0.4	0.25	1.6
X789348		0.38	0.04	14.1	4.1	2770	0.95	1.13	0.70	0.30	6.6	1.11	<5	0.4	0.23	1.6
X789349		0.37	0.03	18.5	4.0	2780	1.26	1.12	0.67	0.32	6.7	1.15	<5	0.4	0.23	1.5
X789350		0.17	0.02	16.0	3.7	2760	1.14	1.14	0.67	0.30	6.8	1.14	<5	0.4	0.24	1.5
X789351		0.18	0.02	38.9	3.9	2900	3.09	1.21	0.76	0.31	6.9	1.17	<5	0.4	0.25	1.6
X789352		0.21	0.02	19.2	3.9	2820	0.92	1.13	0.73	0.29	6.7	1.17	<5	0.4	0.23	1.5
X789353		0.10	0.04	68.6	6.4	2550	1.54	1.19	0.70	0.30	8.7	1.14	<5	0.5	0.21	3.3
X789354		0.11	0.04	66.2	3.5	2830	5.60	1.11	0.66	0.32	6.9	1.20	<5	0.4	0.24	1.4
X789355		0.17	0.04	43.1	3.9	2800	3.24	1.10	0.65	0.32	6.7	1.15	<5	0.4	0.23	1.6
X789356		0.21	0.05	34.2	4.3	2710	1.91	1.10	0.62	0.30	6.5	1.08	<5	0.4	0.22	1.9
X789357		0.16	0.08	36.1	6.3	2680	1.65	1.11	0.60	0.34	6.8	1.17	<5	0.4	0.23	2.9
X789358		0.23	0.05	56.7	4.8	2590	0.76	1.10	0.62	0.30	7.6	1.11	<5	0.4	0.23	2.3
X789359		0.09	1.73	220	26.4	250	0.92	2.57	1.40	1.07	16.3	2.64	<5	2.2	0.49	12.1
X789360		0.12	0.05	365	82.2	1790	21.3	1.67	0.83	1.01	10.8	2.77	<5	1.8	0.30	36.9
X789361		0.42	0.24	408	82.8	1780	19.00	1.74	0.88	1.21	11.2	2.93	<5	1.8	0.32	37.3
X789362		0.20	0.21	190.0	42.1	2340	8.02	1.53	0.82	0.74	9.2	1.98	<5	1.0	0.30	18.8
X789363		0.52	0.31	714	122.5	1350	18.85	2.06	0.90	1.53	13.1	3.54	<5	2.5	0.36	51.6
X789364		0.03	0.13	46.1	5.3	2690	4.59	1.14	0.67	0.34	7.1	1.25	<5	0.4	0.24	2.2
X789365		0.04	0.14	36.7	4.1	2710	4.17	1.11	0.71	0.31	6.8	1.12	<5	0.4	0.24	1.5
X789366		0.10	0.07	45.7	6.8	2570	4.38	1.12	0.64	0.34	7.1	1.20	<5	0.4	0.24	3.0
X789367		0.13	0.07	9.1	4.9	2950	0.71	1.22	0.73	0.34	6.8	1.23	<5	0.4	0.25	1.8
X789368		0.12	0.05	18.0	4.2	2810	0.61	1.14	0.70	0.33	7.1	1.23	<5	0.4	0.24	1.5
X789369		0.07	0.04	7.0	3.4	2860	0.71	1.12	0.81	0.33	6.7	1.19	<5	0.4	0.24	1.1
X789370		0.28	0.03	7.1	4.8	2820	0.60	1.28	0.71	0.30	6.8	1.26	<5	0.4	0.25	1.8
X789371		0.35	0.03	4.6	3.4	2470	0.53	0.98	0.59	0.22	5.7	1.09	<5	0.3	0.21	1.4
X789372		0.18	0.02	6.7	4.2	2790	0.65	1.22	0.75	0.30	6.7	1.28	<5	0.4	0.25	1.6
X789373		0.15	0.02	16.2	4.8	2760	1.13	1.19	0.68	0.32	6.9	1.11	<5	0.4	0.26	1.7
X789374		0.03	0.03	98.6	5.3	2490	4.87	1.09	0.64	0.32	7.9	1.14	<5	0.4	0.24	2.0
X789375		0.06	0.02	78.7	3.7	2580	6.52	1.14	0.64	0.30	6.9	1.15	<5	0.4	0.23	1.1
X789376		0.33	0.06	46.1	4.5	2750	3.90	1.18	0.67	0.29	6.5	1.16	<5	0.4	0.25	1.7
X789377		0.21	0.04	14.7	4.1	2780	1.11	1.14	0.67	0.34	6.6	1.25	<5	0.4	0.24	1.4
X789378		0.03	0.09	57.4	3.7	2760	4.52	1.12	0.66	0.27	6.7	1.09	<5	0.4	0.23	1.2

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Finalized Date: 16-APR-2019
Account: MZI

Project: EMB

CERTIFICATE OF ANALYSIS TB19078542

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
X789339		<0.01	<0.2	0.2	0.04	0.6	<0.03	<1	137.0	<0.1	0.01	0.08	0.01	0.31	<5	<1
X789340		0.17	5.6	52.3	19.25	23.9	3.76	3	57.3	0.3	0.23	6.27	0.16	7.87	90	3
X789341		0.10	0.2	3.5	0.71	13.6	1.14	<1	74.5	<0.1	0.18	0.12	0.10	<0.05	220	1
X789342		0.09	<0.2	3.4	0.66	7.5	1.06	<1	64.7	<0.1	0.17	0.14	0.09	<0.05	218	1
X789343		0.11	<0.2	3.4	0.64	3.7	1.14	<1	50.2	<0.1	0.17	0.11	0.10	<0.05	216	1
X789344		0.11	<0.2	3.5	0.68	8.9	1.09	<1	49.7	<0.1	0.18	0.12	0.09	<0.05	223	1
X789345		0.10	<0.2	3.4	0.66	7.0	1.08	<1	65.8	<0.1	0.18	0.14	0.10	<0.05	215	<1
X789346		0.11	0.2	3.5	0.74	2.3	1.17	<1	72.2	<0.1	0.18	0.17	0.10	0.05	226	1
X789347		0.11	<0.2	3.3	0.65	2.5	1.30	<1	43.6	<0.1	0.19	0.13	0.11	<0.05	228	1
X789348		0.10	<0.2	3.3	0.66	2.4	1.14	<1	51.0	<0.1	0.17	0.15	0.11	0.29	216	<1
X789349		0.11	<0.2	3.4	0.68	3.7	1.21	<1	66.3	<0.1	0.17	0.11	0.10	<0.05	224	<1
X789350		0.10	<0.2	3.4	0.65	3.2	1.07	<1	45.1	<0.1	0.17	0.13	0.10	<0.05	232	1
X789351		0.10	<0.2	3.3	0.66	9.3	1.11	<1	42.0	<0.1	0.18	0.13	0.10	<0.05	235	<1
X789352		0.10	<0.2	3.4	0.67	2.3	1.21	<1	41.7	<0.1	0.18	0.13	0.10	<0.05	226	1
X789353		0.10	0.9	3.8	0.88	8.7	1.17	<1	228	0.1	0.18	0.50	0.10	0.10	206	<1
X789354		0.10	<0.2	3.1	0.59	16.8	0.98	<1	36.5	<0.1	0.17	0.12	0.10	<0.05	237	1
X789355		0.11	<0.2	3.2	0.63	10.2	1.13	<1	41.4	<0.1	0.18	0.10	0.11	<0.05	227	1
X789356		0.11	<0.2	3.4	0.67	5.7	1.03	<1	74.8	<0.1	0.17	0.12	0.10	<0.05	229	1
X789357		0.10	0.3	4.3	0.94	4.8	1.26	<1	66.2	<0.1	0.18	0.21	0.10	0.06	231	1
X789358		0.10	<0.2	3.5	0.71	5.7	1.08	<1	146.0	<0.1	0.15	0.12	0.09	<0.05	216	1
X789359		0.20	7.3	13.3	3.28	16.1	3.04	4	273	0.4	0.41	1.55	0.19	0.46	125	3
X789360		0.12	3.8	33.1	9.74	75.1	4.73	1	293	0.2	0.32	3.27	0.12	0.68	195	1
X789361		0.12	3.7	34.7	9.81	69.5	5.00	1	531	0.2	0.33	3.26	0.12	0.78	194	5
X789362		0.12	2.3	18.6	5.08	30.6	3.05	<1	230	0.1	0.26	1.50	0.12	0.41	217	3
X789363		0.12	5.4	47.8	13.45	72.5	6.58	1	986	0.2	0.41	4.64	0.14	1.04	181	2
X789364		0.11	0.4	4.1	0.84	13.1	1.23	<1	26.1	<0.1	0.19	0.41	0.11	<0.05	232	1
X789365		0.11	0.2	3.4	0.68	11.7	1.08	<1	25.1	<0.1	0.18	0.18	0.10	0.06	230	1
X789366		0.11	0.4	4.4	0.93	13.5	1.24	<1	35.7	<0.1	0.19	0.99	0.10	0.12	226	1
X789367		0.11	0.3	3.7	0.79	1.9	1.07	<1	32.4	0.1	0.19	0.11	0.11	<0.05	217	<1
X789368		0.11	0.3	3.4	0.69	2.6	1.01	<1	72.3	0.1	0.18	0.12	0.11	<0.05	222	1
X789369		0.11	0.2	3.2	0.58	1.4	1.05	<1	31.5	0.1	0.19	0.08	0.09	<0.05	223	1
X789370		0.10	0.2	3.7	0.77	1.2	1.12	<1	37.8	0.1	0.20	0.20	0.11	<0.05	226	<1
X789371		0.09	<0.2	2.8	0.55	0.9	0.84	<1	33.6	0.1	0.17	0.10	0.08	<0.05	197	<1
X789372		0.10	0.2	3.4	0.66	1.4	0.98	<1	37.5	0.1	0.19	0.10	0.10	<0.05	232	1
X789373		0.11	0.2	3.7	0.77	3.7	1.00	<1	40.0	0.1	0.19	0.09	0.10	<0.05	232	<1
X789374		0.11	0.3	3.7	0.80	24.4	0.98	<1	131.0	0.1	0.18	0.16	0.10	0.09	208	<1
X789375		0.09	0.4	3.2	0.65	28.4	0.99	<1	57.0	0.1	0.17	0.08	0.09	0.06	210	<1
X789376		0.10	<0.2	3.6	0.72	12.1	1.06	<1	40.3	0.1	0.18	0.08	0.11	<0.05	224	<1
X789377		0.11	<0.2	3.3	0.65	3.0	0.99	<1	38.6	<0.1	0.17	0.07	0.10	<0.05	221	<1
X789378		0.10	<0.2	3.4	0.60	18.3	1.00	<1	20.6	0.1	0.17	0.08	0.09	0.05	222	1

Comments: ***** ORIGINALLY FROM WO: TB19060904 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: 16-APR-2019
Account: MZI

Project: EMB

CERTIFICATE OF ANALYSIS TB19078542

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
X789339		0.3	<0.03	2	0.6	0.01	<0.005	<0.005	<0.001	0.05	0.5	<0.01	0.02	<0.5	<0.5	<1
X789340		10.4	1.02	75	5.4	12.10	0.058	0.104	0.002	0.37	3.0	0.39	0.04	1.1	<0.5	65
X789341		6.3	0.65	14	0.5	0.03	<0.005	<0.005	<0.001	<0.05	0.2	0.01	0.08	<0.5	0.8	80
X789342		6.1	0.68	11	0.2	0.02	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.05	<0.5	1.0	77
X789343		6.1	0.64	11	0.4	0.02	<0.005	<0.005	<0.001	<0.05	<0.2	0.01	0.02	<0.5	1.3	79
X789344		6.3	0.60	11	0.4	0.02	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.06	<0.5	1.0	78
X789345		6.3	0.67	12	0.4	0.02	<0.005	<0.005	<0.001	<0.05	<0.2	0.01	0.05	<0.5	1.0	78
X789346		6.1	0.61	11	0.4	0.02	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	0.9	74
X789347		6.2	0.59	11	0.3	0.02	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	1.1	77
X789348		6.1	0.64	12	0.4	0.03	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.03	<0.5	1.1	79
X789349		6.2	0.66	11	0.3	0.02	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.03	<0.5	1.0	77
X789350		6.2	0.69	13	0.4	0.02	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.02	<0.5	0.9	79
X789351		6.4	0.62	11	0.3	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.05	<0.5	0.9	81
X789352		6.4	0.63	11	0.4	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	0.01	<0.02	<0.5	1.0	80
X789353		6.2	0.64	16	0.4	0.02	<0.005	<0.005	<0.001	<0.05	<0.2	0.01	0.02	<0.5	0.9	73
X789354		6.3	0.67	11	0.3	0.02	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.09	<0.5	1.1	79
X789355		6.1	0.65	11	0.4	0.02	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.06	<0.5	1.1	81
X789356		6.0	0.65	10	0.7	0.02	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.03	<0.5	1.1	79
X789357		6.1	0.59	14	0.3	0.04	<0.005	<0.005	0.001	<0.05	<0.2	<0.01	0.03	<0.5	1.1	80
X789358		5.8	0.61	11	0.2	0.03	<0.005	<0.005	0.001	<0.05	<0.2	0.01	<0.02	<0.5	1.0	74
X789359		13.1	1.18	97	3.6	0.75	0.009	0.063	0.005	0.33	4.6	0.60	0.09	2.2	1.7	112
X789360		8.6	0.71	76	0.7	0.11	<0.005	0.006	0.001	<0.05	<0.2	0.02	0.44	<0.5	0.9	66
X789361		8.8	0.75	75	0.3	0.34	<0.005	0.008	0.004	<0.05	0.2	0.04	0.51	<0.5	1.1	59
X789362		7.9	0.75	39	0.3	0.30	<0.005	0.007	0.003	<0.05	<0.2	0.03	0.23	<0.5	1.1	68
X789363		9.8	0.83	103	0.4	0.18	<0.005	0.009	<0.001	<0.05	<0.2	0.02	0.43	<0.5	0.8	57
X789364		6.4	0.63	11	0.2	0.24	<0.005	<0.005	<0.001	<0.05	0.2	0.04	0.09	<0.5	1.0	76
X789365		6.2	0.63	11	0.2	0.23	<0.005	<0.005	<0.001	<0.05	<0.2	0.03	0.07	<0.5	1.0	79
X789366		6.4	0.67	12	0.2	0.08	<0.005	<0.005	<0.001	<0.05	<0.2	0.02	0.09	<0.5	1.1	77
X789367		6.5	0.69	12	0.2	0.05	<0.005	<0.005	<0.001	<0.05	<0.2	0.01	0.03	<0.5	1.0	77
X789368		6.2	0.63	11	0.1	0.03	<0.005	<0.005	<0.001	<0.05	<0.2	0.01	<0.02	<0.5	1.0	73
X789369		6.3	0.61	11	0.1	0.02	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	1.1	73
X789370		6.6	0.74	14	0.2	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	1.1	75
X789371		5.4	0.59	9	0.1	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	1.1	80
X789372		6.3	0.67	11	0.2	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	0.01	<0.02	<0.5	0.9	76
X789373		6.2	0.65	12	0.2	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.02	<0.5	1.1	77
X789374		6.1	0.60	13	0.3	0.02	<0.005	<0.005	0.006	<0.05	<0.2	0.01	0.11	<0.5	0.8	69
X789375		6.0	0.63	11	0.2	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.15	<0.5	0.8	73
X789376		6.2	0.68	10	0.2	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.07	<0.5	0.9	75
X789377		6.1	0.66	10	0.2	0.02	<0.005	<0.005	<0.001	<0.05	<0.2	0.01	0.02	<0.5	0.9	74
X789378		6.0	0.62	10	0.1	0.06	<0.005	<0.005	0.001	0.06	<0.2	0.03	0.10	<0.5	0.8	76

Comments: ***** ORIGINALLY FROM WO: TB19060904 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: 16-APR-2019
Account: MZI

Project: EMB

CERTIFICATE OF ANALYSIS TB19078542

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
X789339		5	10	<1	4	<2	<1	25			0.005
X789340		91	10	6	90	55	6	48			2.93
X789341		10	10	<1	528	<2	47	80			0.009
X789342		14	10	<1	513	3	45	77			0.009
X789343		13	10	<1	526	<2	46	79			0.005
X789344		13	10	1	524	<2	46	77			0.004
X789345		15	10	<1	512	<2	45	76			0.010
X789346		24	10	<1	489	<2	43	75			0.010
X789347		16	10	<1	514	<2	45	75			0.013
X789348		18	10	<1	515	<2	45	75			0.010
X789349		14	10	<1	524	<2	46	76			0.010
X789350		7	10	<1	531	<2	47	77			0.006
X789351		7	10	<1	541	4	48	82			0.006
X789352		12	10	<1	521	<2	47	79			0.009
X789353		9	10	<1	481	<2	43	74			0.009
X789354		8	10	<1	537	<2	48	82			0.013
X789355		13	10	<1	531	<2	46	80			0.018
X789356		10	10	<1	524	<2	45	77			0.020
X789357		11	10	<1	519	<2	46	78			0.022
X789358		13	10	<1	495	<2	44	75			0.014
X789359		4490	20	5	4380	21	12	106			4.27
X789360		111	20	1	430	<2	34	94			0.030
X789361		117	20	<1	400	<2	34	94			0.125
X789362		60	10	<1	469	4	42	95			0.093
X789363		43	20	<1	373	3	29	75			0.063
X789364		38	10	<1	501	<2	46	81			0.078
X789365		33	10	<1	525	<2	49	81			0.060
X789366		20	10	<1	504	<2	47	79			0.047
X789367		15	10	<1	493	<2	48	76			0.042
X789368		22	10	1	493	<2	47	76			0.033
X789369		32	10	1	495	<2	48	76			0.026
X789370		25	10	<1	492	<2	48	75			0.030
X789371		45	10	<1	507	<2	49	78			0.034
X789372		30	10	<1	483	<2	48	75			0.019
X789373		27	10	<1	491	<2	49	77			0.020
X789374		35	10	13	442	<2	44	68			0.031
X789375		18	10	<1	472	<2	48	74			0.012
X789376		26	10	<1	476	<2	48	72			0.040
X789377		28	10	<1	477	2	48	72			0.035
X789378		39	10	<1	504	<2	50	66			0.091

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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 TB19078542

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
X789379		19.10	0.03	0.10	28.7	21.1	0.03	0.02	<0.002	<0.01	0.04	<0.01	0.04	0.02	31.3	100.48
X789380		50.0	4.64	11.10	9.54	19.70	0.43	0.53	0.349	0.24	0.20	<0.01	<0.01	0.01	2.77	99.51
X789381		49.4	4.66	11.30	9.28	19.55	0.47	0.10	0.348	0.24	0.21	0.01	0.01	<0.01	3.38	98.96
X789382		49.8	4.55	11.70	9.24	20.1	0.29	0.10	0.358	0.24	0.21	0.01	<0.01	<0.01	3.91	100.51
X789383		49.7	4.44	11.60	9.70	20.0	0.28	0.09	0.355	0.24	0.21	0.01	<0.01	<0.01	3.91	100.54
X789384		49.0	4.48	11.35	8.78	19.85	0.26	0.19	0.352	0.24	0.21	<0.01	0.01	<0.01	4.18	98.90
X789385		51.0	4.83	11.70	9.04	19.80	0.45	0.09	0.360	0.25	0.23	<0.01	0.01	<0.01	3.16	100.92
X789386		49.2	4.59	11.45	8.53	19.90	0.35	0.39	0.347	0.24	0.21	<0.01	0.01	0.01	3.85	99.08
X789387		50.0	4.53	11.65	10.05	20.1	0.28	0.04	0.356	0.24	0.23	0.01	<0.01	<0.01	3.70	101.19
X789388		50.3	4.54	11.70	9.07	20.4	0.28	0.11	0.359	0.24	0.22	0.01	0.01	<0.01	3.51	100.75
X789389		50.6	4.82	11.55	9.09	20.00	0.45	0.17	0.350	0.24	0.21	0.02	0.01	<0.01	3.66	101.17
X789390		48.6	4.22	11.50	9.49	19.55	0.31	0.29	0.359	0.24	0.21	0.01	0.01	0.01	5.00	99.80
X789391		51.1	5.53	10.65	8.50	18.45	1.11	0.22	0.319	0.22	0.20	<0.01	0.01	0.01	3.74	100.06
X789392		50.5	5.52	10.95	8.87	19.00	0.84	0.12	0.331	0.22	0.21	0.01	0.01	0.01	3.49	100.08
X789393		50.0	4.58	11.70	9.17	20.3	0.31	0.17	0.360	0.24	0.21	0.01	0.01	<0.01	4.14	101.20
X789394		51.0	5.15	11.30	9.52	19.00	0.74	0.20	0.342	0.24	0.22	0.01	0.01	0.01	3.69	101.43
X789395		50.1	4.58	11.70	9.33	20.0	0.31	0.07	0.363	0.25	0.22	0.01	<0.01	<0.01	3.77	100.70
X789396		50.6	4.72	11.65	9.52	20.2	0.34	0.09	0.353	0.24	0.23	0.02	0.01	<0.01	3.61	101.58
X789397		50.4	4.59	11.55	9.32	20.3	0.36	0.20	0.355	0.24	0.22	0.02	0.01	<0.01	3.42	100.99
X789398		50.7	5.07	11.65	8.66	20.4	0.42	0.22	0.347	0.23	0.21	0.01	0.01	0.01	3.64	101.58
X789399		33.8	10.25	24.8	5.08	6.99	1.57	0.38	0.049	0.88	0.13	0.11	0.02	0.01	6.96	91.03
X789400		50.4	4.90	11.75	9.18	20.4	0.34	0.25	0.354	0.23	0.22	<0.01	0.01	<0.01	3.22	101.25
X789401		50.1	5.16	11.65	9.17	19.55	0.51	0.12	0.348	0.22	0.21	0.01	0.01	0.01	4.40	101.47
X789402		48.0	4.33	11.85	9.57	19.85	0.28	0.07	0.364	0.23	0.22	0.01	<0.01	<0.01	4.59	99.36
X789403		48.0	4.33	11.75	9.21	19.85	0.31	0.21	0.364	0.23	0.21	0.01	0.01	<0.01	5.52	100.00
X789404		48.8	4.94	11.55	8.76	19.45	0.40	0.08	0.352	0.22	0.21	0.01	<0.01	<0.01	4.47	99.24
X789405		48.3	4.82	11.65	9.16	19.70	0.34	0.27	0.361	0.22	0.20	0.03	<0.01	0.01	5.39	100.45
X789406		49.0	4.88	11.50	9.28	19.60	0.41	0.07	0.355	0.22	0.22	0.01	<0.01	<0.01	4.65	100.20
X789407		49.1	4.93	11.65	9.02	20.00	0.38	0.23	0.362	0.23	0.22	0.01	<0.01	0.01	4.31	100.45
X789408		48.2	4.95	11.40	9.14	19.50	0.47	0.18	0.351	0.22	0.22	0.01	<0.01	<0.01	4.62	99.26
X789409		49.7	5.23	11.20	10.05	19.25	0.58	0.23	0.346	0.22	0.22	0.01	<0.01	0.01	4.01	101.06
X789410		49.0	4.85	11.25	9.59	19.55	0.46	0.41	0.350	0.22	0.21	<0.01	<0.01	0.01	4.06	99.96
X789411		51.7	5.75	10.40	8.45	18.05	1.15	0.65	0.322	0.23	0.19	<0.01	0.01	0.01	2.90	99.81
X789412		49.6	4.65	11.35	9.02	19.75	0.38	0.56	0.354	0.23	0.20	<0.01	<0.01	0.01	3.93	100.03
X789413		48.6	4.91	11.05	8.98	18.95	0.58	0.26	0.340	0.21	0.20	0.01	<0.01	0.01	4.39	98.49
X789414		51.8	5.67	10.65	8.40	17.95	0.95	0.44	0.320	0.23	0.20	0.01	0.01	0.01	3.46	100.10
X789415		50.1	4.99	11.40	9.06	19.45	0.53	0.11	0.341	0.22	0.22	0.01	<0.01	<0.01	3.56	99.99
X789416		47.2	12.75	21.2	6.24	6.84	2.21	0.65	0.035	1.27	0.20	0.17	0.03	0.03	1.20	100.03

Comments: ***** ORIGINALLY FROM WO: TB19060904 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: 16-APR-2019
Account: MZI

Project: EMB

CERTIFICATE OF ANALYSIS TB19078542

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
X789379		8.08	0.02	211	0.8	10	0.12	0.05	0.03	<0.03	0.1	<0.05	<5	<0.2	0.01	0.6
X789380		0.03	0.08	75.8	3.6	2690	5.97	1.17	0.72	0.26	6.9	1.08	<5	0.4	0.23	1.0
X789381		0.17	0.03	32.9	4.0	2690	1.13	1.11	0.70	0.31	6.5	1.16	<5	0.4	0.24	1.5
X789382		0.23	0.02	13.2	3.9	2720	1.55	1.09	0.72	0.31	6.7	1.09	<5	0.5	0.22	1.3
X789383		0.27	0.01	11.7	3.5	2750	1.33	1.08	0.65	0.29	6.6	1.24	<5	0.4	0.25	1.2
X789384		0.29	0.03	30.8	3.7	2750	3.15	1.14	0.70	0.29	6.3	1.14	<5	0.4	0.24	1.2
X789385		0.06	0.01	16.0	3.9	2590	1.38	1.05	0.65	0.27	6.5	1.09	<5	0.4	0.23	1.3
X789386		0.22	0.02	65.3	3.9	2640	6.40	1.09	0.66	0.31	6.4	1.17	<5	0.4	0.22	1.3
X789387		0.20	0.02	5.8	3.9	2760	0.93	1.11	0.69	0.28	6.4	1.16	<5	0.4	0.24	1.3
X789388		0.11	0.01	19.7	3.4	2740	1.69	1.09	0.63	0.28	6.3	1.11	<5	0.4	0.23	1.2
X789389		0.18	0.02	39.1	3.9	2640	2.20	1.14	0.72	0.32	6.6	1.23	<5	0.4	0.24	1.5
X789390		0.58	0.03	48.0	4.0	2530	4.27	1.08	0.66	0.27	5.8	1.08	<5	0.3	0.22	1.5
X789391		0.26	0.01	64.7	6.3	2440	3.34	1.11	0.64	0.31	7.0	1.06	<5	0.5	0.22	2.8
X789392		0.16	0.01	52.6	4.2	2560	1.79	1.03	0.63	0.28	7.2	1.04	<5	0.6	0.21	1.5
X789393		0.32	0.02	31.7	4.0	2760	2.54	1.12	0.68	0.30	6.3	1.17	<5	0.4	0.24	1.4
X789394		0.27	0.01	43.9	4.5	2210	2.03	0.95	0.58	0.28	6.2	1.08	<5	0.5	0.21	1.6
X789395		0.19	0.02	9.9	3.5	2520	0.90	1.00	0.64	0.26	5.9	1.01	<5	0.4	0.22	1.2
X789396		0.15	0.02	23.6	3.9	2720	1.14	1.02	0.66	0.27	6.9	1.15	<5	0.4	0.22	1.4
X789397		0.13	0.03	41.1	4.1	2700	2.82	1.15	0.65	0.29	6.7	1.12	<5	0.4	0.22	1.4
X789398		0.13	0.02	49.4	3.6	2610	3.34	1.02	0.62	0.28	6.7	1.01	<5	0.4	0.23	1.4
X789399		0.10	9.02	115.5	16.7	380	0.74	1.85	0.95	0.81	11.5	1.93	<5	1.4	0.37	7.4
X789400		0.16	0.03	44.7	3.4	2670	2.90	1.08	0.64	0.28	6.7	1.03	<5	0.3	0.22	1.3
X789401		0.35	0.02	41.7	4.1	2390	1.60	0.98	0.60	0.27	6.1	0.93	<5	0.4	0.21	1.7
X789402		0.44	0.03	9.7	3.4	2590	0.92	1.00	0.57	0.27	5.7	1.05	<5	0.3	0.21	1.3
X789403		0.70	0.02	36.6	3.2	2720	2.64	1.00	0.62	0.29	6.2	1.01	<5	0.4	0.21	1.1
X789404		0.34	0.01	15.2	3.4	2510	0.85	0.91	0.58	0.25	6.2	0.98	<5	0.4	0.19	1.3
X789405		0.61	0.02	48.5	6.4	2680	3.31	1.06	0.58	0.30	6.5	1.02	<5	0.4	0.20	2.6
X789406		0.42	0.01	9.7	3.5	2490	0.88	0.96	0.57	0.28	5.9	1.00	<5	0.3	0.21	1.4
X789407		0.41	0.01	45.2	3.1	2750	2.92	0.95	0.60	0.26	6.8	1.04	<5	0.4	0.22	1.2
X789408		0.50	0.02	33.2	3.7	2640	1.81	1.02	0.61	0.26	6.5	0.98	<5	0.4	0.20	1.4
X789409		0.36	0.01	50.1	4.6	2530	1.99	0.98	0.61	0.32	7.1	1.03	<5	0.5	0.21	1.8
X789410		0.38	0.02	61.2	4.5	2610	2.97	1.05	0.62	0.31	6.8	1.07	<5	0.4	0.22	2.0
X789411		0.15	0.01	115.5	5.7	2410	3.27	1.01	0.61	0.26	8.0	1.00	<5	0.6	0.21	2.5
X789412		0.33	0.02	82.6	5.2	2630	4.35	1.07	0.69	0.28	7.1	1.17	<5	0.4	0.23	2.2
X789413		0.39	0.02	50.0	3.7	2510	2.78	0.94	0.61	0.26	6.7	0.97	<5	0.5	0.20	1.7
X789414		0.20	0.01	104.0	5.7	2380	2.80	1.03	0.60	0.30	7.8	1.00	<5	0.5	0.21	2.4
X789415		0.16	0.02	19.0	4.5	2530	0.93	0.99	0.61	0.27	6.5	0.95	<5	0.5	0.21	1.8
X789416		0.08	1.71	218	25.7	250	0.94	2.57	1.40	1.09	16.2	2.73	<5	2.6	0.49	12.3

Comments: ***** ORIGINALLY FROM WO: TB19060904 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: 16-APR-2019
Account: MZI

Project: EMB

CERTIFICATE OF ANALYSIS TB19078542

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
X789379		0.01	<0.2	0.3	0.09	0.3	0.04	<1	338	<0.1	<0.01	0.05	0.01	0.24	<5	<1
X789380		0.11	0.2	3.0	0.61	25.4	1.02	<1	28.3	0.1	0.17	0.06	0.11	0.07	223	<1
X789381		0.11	0.2	3.3	0.66	3.1	1.02	<1	66.2	0.1	0.18	0.06	0.10	<0.05	219	<1
X789382		0.10	<0.2	3.4	0.65	3.3	1.11	1	40.6	0.1	0.19	0.08	0.10	<0.05	230	4
X789383		0.11	<0.2	3.2	0.63	2.9	1.02	<1	40.9	0.1	0.20	0.24	0.10	<0.05	226	1
X789384		0.11	<0.2	3.2	0.61	7.7	0.96	<1	42.1	0.1	0.17	0.06	0.10	<0.05	224	<1
X789385		0.09	0.3	3.2	0.65	3.0	0.96	<1	42.1	0.1	0.18	0.10	0.10	<0.05	213	<1
X789386		0.10	0.2	3.2	0.63	17.6	1.01	<1	58.8	0.1	0.16	0.09	0.10	<0.05	221	<1
X789387		0.10	<0.2	3.2	0.68	1.1	1.00	<1	40.8	0.1	0.19	0.09	0.09	<0.05	223	1
X789388		0.10	<0.2	3.1	0.59	3.6	0.90	<1	41.9	0.1	0.18	0.09	0.10	<0.05	230	<1
X789389		0.10	0.2	3.3	0.67	5.7	1.04	<1	74.6	0.1	0.18	0.11	0.10	<0.05	225	1
X789390		0.10	<0.2	3.1	0.63	11.1	1.04	<1	39.0	0.1	0.16	0.10	0.10	<0.05	212	<1
X789391		0.10	0.3	3.6	0.85	8.6	0.97	<1	111.0	0.1	0.19	0.33	0.09	0.13	199	<1
X789392		0.09	0.2	3.2	0.67	3.9	0.99	<1	111.5	0.1	0.18	1.21	0.10	0.34	207	1
X789393		0.10	0.2	3.2	0.63	5.8	0.94	<1	38.7	0.1	0.17	0.11	0.10	<0.05	229	<1
X789394		0.09	0.3	3.2	0.69	5.6	0.94	<1	81.5	0.1	0.16	0.15	0.08	0.06	185	<1
X789395		0.09	0.2	3.1	0.59	1.5	0.91	<1	29.7	0.1	0.16	0.14	0.09	0.42	216	<1
X789396		0.10	0.2	3.4	0.65	2.3	0.97	<1	50.3	0.1	0.17	0.13	0.10	0.10	223	1
X789397		0.09	0.4	3.4	0.67	6.8	1.00	<1	57.8	0.1	0.18	0.16	0.11	0.10	227	<1
X789398		0.10	0.2	3.1	0.58	8.8	0.88	<1	61.4	0.1	0.18	0.10	0.10	<0.05	221	<1
X789399		0.13	4.9	8.8	2.11	10.6	1.96	2	187.5	0.4	0.31	1.04	0.15	0.34	89	4
X789400		0.09	0.2	2.9	0.58	9.4	0.87	<1	48.9	0.1	0.16	0.09	0.09	<0.05	218	<1
X789401		0.09	0.3	3.0	0.64	3.8	0.89	<1	80.8	0.1	0.15	0.22	0.09	0.09	200	<1
X789402		0.09	<0.2	3.0	0.59	1.7	0.92	<1	45.7	0.1	0.16	0.09	0.09	<0.05	223	1
X789403		0.09	<0.2	2.9	0.56	6.9	0.97	<1	71.4	0.1	0.17	0.10	0.10	0.05	218	1
X789404		0.08	0.2	2.8	0.58	1.8	0.90	<1	40.6	0.1	0.15	0.13	0.08	0.05	215	1
X789405		0.10	2.4	4.3	1.00	9.2	1.12	<1	46.5	0.1	0.17	0.25	0.10	<0.05	219	1
X789406		0.10	0.2	2.8	0.56	1.8	0.93	<1	41.2	0.1	0.15	0.10	0.08	<0.05	211	1
X789407		0.10	0.2	2.9	0.55	8.7	0.97	<1	54.8	0.1	0.14	0.09	0.10	<0.05	220	1
X789408		0.10	0.3	3.0	0.62	5.5	0.88	<1	62.2	0.1	0.16	0.11	0.09	<0.05	216	1
X789409		0.10	0.5	3.4	0.70	7.7	1.05	1	69.5	0.2	0.17	0.41	0.10	0.17	211	3
X789410		0.10	0.6	3.4	0.72	13.8	1.01	<1	51.9	0.1	0.16	0.12	0.10	0.07	216	1
X789411		0.09	1.2	3.7	0.84	21.5	1.07	<1	108.0	0.2	0.15	0.57	0.10	0.26	199	1
X789412		0.09	0.8	3.8	0.77	18.8	1.11	<1	62.9	0.2	0.18	0.16	0.11	0.08	214	1
X789413		0.10	0.2	3.1	0.61	8.9	0.93	<1	72.5	0.1	0.15	0.34	0.08	0.12	211	1
X789414		0.09	1.0	4.1	0.89	14.1	1.11	<1	104.5	0.2	0.16	0.18	0.09	0.07	194	<1
X789415		0.10	0.4	3.4	0.72	3.3	1.02	<1	50.0	0.1	0.16	0.24	0.09	0.07	212	1
X789416		0.19	7.2	13.3	3.38	16.7	2.95	4	279	0.5	0.44	1.60	0.21	0.54	130	3

Comments: ***** ORIGINALLY FROM WO: TB19060904 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 TB19078542

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
X789379		0.5	0.07	<2	0.2	0.01	<0.005	0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	0.7	1
X789380		6.0	0.66	12	0.3	0.07	<0.005	0.005	0.019	<0.05	0.2	0.03	0.13	<0.5	0.7	74
X789381		6.0	0.69	10	0.1	0.02	<0.005	0.005	0.001	<0.05	<0.2	0.01	0.02	<0.5	1.0	73
X789382		6.2	0.60	15	0.1	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.02	<0.5	0.8	73
X789383		6.2	0.68	10	0.2	0.01	<0.005	<0.005	0.001	0.09	<0.2	<0.01	<0.02	<0.5	0.7	75
X789384		6.3	0.64	9	0.1	0.02	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.04	<0.5	0.9	75
X789385		5.8	0.60	11	<0.1	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.02	<0.5	0.9	73
X789386		6.1	0.62	10	0.1	0.03	<0.005	<0.005	<0.001	<0.05	<0.2	0.01	0.09	<0.5	0.5	77
X789387		6.1	0.66	11	0.1	0.01	<0.005	<0.005	0.001	<0.05	<0.2	0.01	<0.02	<0.5	0.9	76
X789388		6.2	0.68	10	0.1	0.02	<0.005	<0.005	0.001	<0.05	<0.2	<0.01	0.02	<0.5	0.8	78
X789389		6.1	0.67	12	0.1	0.03	<0.005	<0.005	<0.001	<0.05	<0.2	0.01	0.03	<0.5	1.1	77
X789390		5.9	0.58	10	0.1	0.03	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.06	<0.5	0.7	77
X789391		5.8	0.62	14	<0.1	0.02	<0.005	<0.005	0.001	<0.05	<0.2	<0.01	0.04	<0.5	1.1	70
X789392		5.7	0.66	16	0.1	0.01	<0.005	<0.005	0.001	<0.05	<0.2	<0.01	0.02	<0.5	0.9	73
X789393		6.1	0.63	11	0.1	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.03	<0.5	0.7	75
X789394		5.2	0.58	13	0.1	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	0.01	0.02	<0.5	0.8	72
X789395		5.6	0.61	10	0.1	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	0.8	77
X789396		6.0	0.66	12	0.1	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	0.01	<0.02	<0.5	0.8	76
X789397		6.1	0.65	12	0.1	0.01	<0.005	<0.005	0.002	<0.05	<0.2	0.01	0.03	<0.5	0.8	74
X789398		5.5	0.59	9	0.2	0.01	<0.005	0.005	<0.001	<0.05	<0.2	<0.01	0.03	<0.5	0.7	79
X789399		9.4	0.86	57	12.7	0.88	0.141	0.105	0.018	2.34	20.6	4.28	0.14	4.0	3.2	970
X789400		5.7	0.64	10	0.2	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.03	<0.5	0.8	82
X789401		5.3	0.54	12	0.1	0.02	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.02	<0.5	0.7	76
X789402		5.5	0.59	9	0.2	0.02	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	1.1	81
X789403		5.7	0.71	11	0.1	0.02	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.03	<0.5	1.0	77
X789404		5.3	0.58	9	0.1	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	0.9	74
X789405		5.7	0.59	10	<0.1	0.03	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.04	<0.5	1.2	75
X789406		5.3	0.62	9	0.1	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	0.8	77
X789407		5.5	0.56	10	0.1	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.04	<0.5	0.8	75
X789408		5.6	0.67	9	0.1	0.02	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.02	<0.5	0.7	75
X789409		5.8	0.64	15	0.1	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	0.01	0.03	<0.5	0.8	72
X789410		5.8	0.61	11	<0.1	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.06	<0.5	1.0	75
X789411		5.6	0.60	18	0.1	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.07	<0.5	1.2	71
X789412		6.2	0.70	10	0.1	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.07	<0.5	0.9	69
X789413		5.3	0.55	12	<0.1	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	0.01	0.04	<0.5	0.9	72
X789414		5.9	0.69	14	0.1	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.06	<0.5	1.1	67
X789415		5.5	0.64	11	0.1	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	1.2	72
X789416		13.5	1.27	108	4.5	0.77	0.009	0.065	0.006	0.30	4.9	0.61	0.09	2.2	2.0	112

Comments: ***** ORIGINALLY FROM WO: TB19060904 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: 16-APR-2019
Account: MZI

Project: EMB

CERTIFICATE OF ANALYSIS TB19078542

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
X789379		1	10	<1	1	6	<1	19			<0.003
X789380		58	10	75	481	<2	49	67			0.103
X789381		28	10	<1	473	<2	48	72			0.034
X789382		22	10	<1	488	2	49	75			0.016
X789383		21	10	1	481	<2	48	73			0.022
X789384		26	10	<1	486	<2	49	77			0.027
X789385		29	10	<1	486	<2	48	75			0.014
X789386		31	10	<1	503	<2	49	77			0.031
X789387		9	10	<1	500	<2	48	74			0.017
X789388		18	10	<1	505	<2	49	77			0.021
X789389		10	10	<1	501	<2	49	73			0.016
X789390		16	10	<1	505	2	49	75			0.016
X789391		10	10	<1	461	<2	44	71			0.007
X789392		8	10	<1	478	<2	46	73			0.004
X789393		7	10	<1	494	<2	48	74			0.004
X789394		6	10	<1	473	<2	46	71			<0.003
X789395		7	10	<1	505	4	48	75			0.007
X789396		9	10	<1	496	<2	48	76			0.008
X789397		5	10	<1	494	<2	48	75			0.007
X789398		7	20	<1	496	<2	48	74			0.010
X789399		>10000	10	3	>10000	17	9	140	1.615	4.68	17.85
X789400		17	10	<1	554	<2	49	77			0.024
X789401		8	10	<1	512	2	46	73			0.013
X789402		9	10	1	527	3	48	73			0.016
X789403		11	10	<1	525	<2	47	73			0.008
X789404		7	10	<1	492	<2	45	70			<0.003
X789405		11	20	<1	513	<2	46	72			0.010
X789406		4	20	<1	504	<2	47	73			<0.003
X789407		9	10	<1	503	2	46	73			0.012
X789408		9	10	<1	505	2	46	71			0.004
X789409		6	10	<1	483	<2	45	69			<0.003
X789410		5	10	<1	509	<2	47	70			0.004
X789411		6	10	<1	471	4	42	67			<0.003
X789412		7	10	<1	471	<2	43	67			0.005
X789413		9	10	<1	485	<2	43	66			0.010
X789414		5	10	<1	444	<2	40	67			<0.003
X789415		10	10	<1	473	4	42	63			0.015
X789416		4390	20	3	4310	21	12	105			4.27

Comments: ***** ORIGINALLY FROM WO: TB19060904 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
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CERTIFICATE OF ANALYSIS TB19078542

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			