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

Finalized Date: 14-APR-2019
Account: MZI

CERTIFICATE TB19078543

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: TB19060905 MZI *****

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS TB19078543

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
X789417		18.80	0.04	0.11	27.3	21.6	0.02	0.01	<0.002	<0.01	0.04	<0.01	0.01	0.01	31.9	99.84
X789418		83.8	5.47	3.21	0.05	0.46	0.07	0.68	0.015	0.32	0.19	0.11	<0.01	0.07	5.28	99.73
X789419		49.9	4.87	11.65	8.55	20.3	0.35	0.17	0.365	0.23	0.22	0.01	<0.01	<0.01	3.65	100.27
X789420		50.3	4.93	11.60	8.84	20.1	0.40	0.13	0.359	0.22	0.22	0.01	<0.01	<0.01	3.42	100.53
X789421		49.4	4.78	11.55	9.29	20.1	0.25	0.13	0.366	0.23	0.23	0.01	<0.01	<0.01	4.13	100.47
X789422		49.7	5.29	11.35	8.95	19.35	0.55	0.25	0.349	0.22	0.21	0.01	0.01	0.01	3.84	100.09
X789423		50.7	5.82	10.95	8.86	18.75	0.77	0.25	0.333	0.21	0.21	0.01	0.01	0.01	3.47	100.35
X789424		50.8	6.02	11.05	8.63	19.00	0.85	0.32	0.336	0.21	0.20	<0.01	0.01	0.01	3.71	101.15
X789425		50.6	5.38	11.45	8.77	19.30	0.59	0.15	0.343	0.22	0.21	0.01	<0.01	<0.01	3.51	100.53
X789426		53.7	10.95	10.85	6.81	10.25	3.04	0.66	0.154	0.66	0.17	0.13	0.03	0.03	2.64	100.07
X789427		54.0	11.60	10.50	6.65	9.40	3.50	0.77	0.133	0.69	0.16	0.15	0.03	0.03	2.30	99.91
X789428		71.1	9.08	6.64	3.58	4.06	2.65	0.65	0.040	0.59	0.10	0.13	0.02	0.03	1.23	99.90
X789429		50.1	4.76	11.20	8.88	19.50	0.38	0.48	0.354	0.23	0.21	0.01	<0.01	0.01	3.37	99.48
X789430		49.8	5.33	11.10	8.61	19.45	0.53	0.94	0.356	0.22	0.19	0.02	<0.01	0.02	2.83	99.40
X789431		49.8	4.90	11.45	9.47	20.00	0.37	0.48	0.362	0.22	0.21	0.01	<0.01	0.01	3.51	100.79
X789432		50.4	5.46	11.25	8.93	19.30	0.60	0.55	0.348	0.22	0.21	0.01	<0.01	0.01	2.94	100.23
X789433		50.9	4.80	12.25	9.23	21.1	0.37	0.12	0.378	0.23	0.23	0.01	<0.01	<0.01	1.65	101.27
X789434		49.9	4.77	11.70	8.92	20.3	0.38	0.20	0.370	0.23	0.21	0.01	<0.01	<0.01	3.36	100.35
X789435		49.6	4.84	11.60	9.15	19.80	0.39	0.56	0.362	0.25	0.21	0.01	<0.01	0.01	2.53	99.31
X789436		56.0	14.40	10.20	6.50	5.83	3.74	1.03	0.054	0.88	0.14	0.21	0.05	0.04	1.32	100.39
X789437		45.0	12.25	19.90	5.99	6.46	2.11	0.61	0.031	1.23	0.18	0.15	0.03	0.02	1.24	95.20
X789438		50.4	4.94	11.55	9.86	20.2	0.29	0.15	0.364	0.23	0.22	<0.01	<0.01	<0.01	3.78	101.98
X789439		51.2	5.00	11.95	9.39	20.8	0.37	0.15	0.374	0.23	0.22	<0.01	0.01	<0.01	1.87	101.56
X789440		51.5	5.04	12.20	9.47	21.0	0.44	0.07	0.376	0.23	0.23	0.01	0.01	<0.01	0.09	100.67
X789441		51.6	5.10	12.20	9.62	21.1	0.42	0.08	0.378	0.23	0.23	<0.01	0.01	<0.01	0.70	101.67
X789442		52.1	5.05	12.20	9.41	21.2	0.43	0.09	0.378	0.23	0.23	<0.01	0.01	<0.01	0.42	101.75
X789443		50.9	4.95	12.05	9.33	20.9	0.43	0.08	0.372	0.23	0.22	0.01	0.01	<0.01	0.13	99.61
X789444		51.5	5.18	11.65	8.81	20.0	0.60	0.26	0.355	0.24	0.22	0.01	0.01	0.01	1.29	100.14
X789445		51.0	4.80	11.60	9.10	20.3	0.42	0.19	0.368	0.23	0.22	<0.01	0.01	<0.01	1.25	99.49
X789446		49.9	4.77	11.55	9.39	20.2	0.33	0.33	0.365	0.22	0.22	0.01	0.01	<0.01	2.59	99.89
X789447		49.2	4.55	10.75	9.67	19.35	0.32	0.98	0.346	0.22	0.20	0.01	<0.01	0.01	2.46	98.07
X789448		49.3	4.70	11.00	9.33	19.50	0.27	0.97	0.352	0.23	0.21	0.01	<0.01	0.01	3.13	99.01
X789449		49.6	4.98	11.15	8.77	19.85	0.38	0.75	0.361	0.23	0.19	0.01	0.01	0.01	3.40	99.69
X789450		49.7	4.89	11.25	9.60	20.0	0.34	0.29	0.364	0.22	0.22	0.01	<0.01	<0.01	3.73	100.61
X789451		49.4	4.71	11.10	9.46	20.00	0.33	0.21	0.362	0.22	0.20	<0.01	<0.01	<0.01	3.77	99.76
X789452		49.4	4.67	11.25	9.51	20.1	0.32	0.29	0.359	0.22	0.22	<0.01	<0.01	<0.01	3.33	99.67
X789453		49.4	4.89	11.35	9.56	20.3	0.34	0.43	0.363	0.23	0.20	0.01	<0.01	0.01	3.47	100.55
X789454		49.8	4.80	11.25	8.96	20.1	0.41	0.22	0.361	0.22	0.21	<0.01	0.01	<0.01	2.91	99.25
X789455		50.1	4.99	11.15	8.69	19.70	0.54	0.21	0.350	0.22	0.21	0.01	0.01	<0.01	3.06	99.24
X789456		50.3	4.90	11.15	8.58	20.1	0.39	0.41	0.360	0.22	0.21	<0.01	0.01	0.01	3.43	100.07

Comments: ***** ORIGINALLY FROM WO: TB19060905 MZI *****

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556 TENTH AVE
THUNDER BAY ON P7B 2R2

Finalized Date: 14-APR-2019
Account: MZI

Project: EMB

CERTIFICATE OF ANALYSIS TB19078543

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
X789417		8.36	0.01	69.0	0.6	10	0.19	0.05	0.03	<0.03	0.1	0.05	<5	<0.2	0.01	0.6
X789418		3.72	0.02	624	218	110	1.04	1.42	0.97	0.53	7.3	1.49	<5	2.0	0.29	167.0
X789419		0.11	0.02	30.1	3.3	2730	1.73	1.04	0.63	0.25	6.7	0.96	<5	0.4	0.20	1.3
X789420		0.07	0.01	21.6	4.1	2710	1.29	1.01	0.59	0.27	6.8	1.04	<5	0.4	0.21	1.7
X789421		0.26	0.02	33.0	3.3	2770	1.44	1.02	0.60	0.28	6.6	0.98	<5	0.4	0.23	1.3
X789422		0.27	0.01	55.3	4.1	2650	1.71	0.96	0.62	0.31	7.3	1.01	<5	0.4	0.21	1.8
X789423		0.20	0.01	69.0	4.3	2520	1.09	1.00	0.59	0.28	7.9	0.96	<5	0.4	0.19	1.9
X789424		0.21	0.02	81.9	4.1	2530	2.12	0.98	0.53	0.29	7.6	0.97	<5	0.4	0.20	1.8
X789425		0.13	0.01	37.1	4.5	2550	0.83	1.08	0.61	0.33	7.5	1.07	<5	0.5	0.21	2.2
X789426		0.18	0.03	247	30.2	1180	1.94	2.44	1.42	0.84	15.6	2.67	<5	2.7	0.50	14.9
X789427		0.17	0.03	281	31.0	1000	2.38	2.58	1.47	0.90	16.3	2.70	<5	2.7	0.53	14.7
X789428		0.09	0.04	259	26.8	300	2.77	1.95	1.27	0.74	13.1	2.41	<5	2.3	0.43	12.7
X789429		0.19	0.02	65.1	4.6	2650	3.25	0.98	0.58	0.27	6.6	0.95	<5	0.4	0.22	2.4
X789430		0.14	0.08	130.5	3.9	2620	6.09	1.02	0.65	0.28	7.0	0.97	<5	0.3	0.19	1.8
X789431		0.24	0.06	55.3	3.9	2720	3.10	1.01	0.65	0.29	7.1	1.01	<5	0.4	0.22	1.9
X789432		0.14	0.04	84.4	5.6	2580	3.24	0.97	0.63	0.28	7.3	1.01	<5	0.4	0.21	3.0
X789433		0.07	0.01	24.1	3.3	2830	0.52	1.07	0.62	0.26	6.5	1.03	<5	0.4	0.21	1.4
X789434		0.14	0.02	33.7	3.6	2740	1.14	1.00	0.56	0.29	6.6	1.02	<5	0.4	0.22	1.5
X789435		0.16	0.07	80.0	4.4	2650	3.40	1.03	0.64	0.31	7.1	1.02	<5	0.4	0.23	2.0
X789436		0.12	0.08	349	43.1	410	3.09	3.21	1.90	1.08	18.9	3.57	<5	3.6	0.66	19.8
X789437		0.09	1.77	207	25.8	240	0.91	2.46	1.31	1.04	15.4	2.73	<5	2.2	0.48	11.4
X789438		0.24	0.01	25.8	6.6	2710	1.25	1.16	0.71	0.36	6.6	1.22	<5	0.3	0.26	2.9
X789439		0.13	0.01	28.7	3.8	2800	0.90	1.03	0.67	0.30	6.6	1.07	<5	0.4	0.22	1.2
X789440		0.03	0.01	25.0	3.2	2790	0.25	1.05	0.66	0.29	6.8	1.02	<5	0.4	0.22	0.9
X789441		0.06	0.01	25.4	3.2	2760	0.35	1.02	0.69	0.27	6.7	1.00	<5	0.3	0.20	0.9
X789442		0.03	0.01	29.6	3.2	2790	0.43	1.00	0.64	0.26	6.5	1.10	<5	0.3	0.22	0.9
X789443		0.04	0.01	35.2	3.2	2770	0.29	0.93	0.64	0.26	6.6	1.00	<5	0.3	0.22	0.8
X789444		0.07	0.01	52.1	4.6	2620	1.47	1.05	0.65	0.30	6.7	1.08	<5	0.5	0.23	1.6
X789445		0.07	0.01	40.0	3.8	2780	0.65	1.08	0.65	0.28	6.7	1.05	<5	0.4	0.22	1.3
X789446		0.13	0.03	39.3	3.9	2720	2.32	1.02	0.59	0.28	6.3	1.07	<5	0.3	0.21	1.7
X789447		0.09	0.22	96.7	4.0	2610	8.74	1.16	0.69	0.31	6.9	1.09	<5	0.4	0.23	1.5
X789448		0.18	0.08	99.4	4.1	2570	7.77	1.08	0.62	0.29	6.7	1.10	<5	0.3	0.22	1.5
X789449		0.20	0.03	97.7	3.8	2660	5.25	1.00	0.66	0.26	6.6	1.01	<5	0.3	0.21	1.4
X789450		0.25	0.02	30.1	3.8	2560	1.50	1.00	0.55	0.30	6.0	0.93	<5	0.3	0.21	1.5
X789451		0.30	0.02	26.5	4.2	2720	1.30	1.04	0.62	0.31	6.3	0.99	<5	0.3	0.21	1.7
X789452		0.19	0.05	35.2	4.0	2670	1.92	0.97	0.64	0.28	6.1	0.96	<5	0.3	0.21	1.4
X789453		0.20	0.07	50.3	3.4	2620	3.28	0.99	0.60	0.27	6.5	0.94	<5	0.3	0.19	1.0
X789454		0.05	0.02	36.3	3.3	2730	1.45	0.94	0.64	0.27	6.4	0.99	<5	0.3	0.22	0.9
X789455		0.04	0.03	44.9	4.0	2620	1.88	0.94	0.58	0.28	6.7	1.05	<5	0.5	0.22	1.4
X789456		0.08	0.02	70.3	3.7	2630	3.76	1.01	0.64	0.26	6.4	0.98	<5	0.3	0.20	1.2

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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
X789417		<0.01	<0.2	0.3	0.07	0.5	0.07	<1	170.0	0.1	0.01	0.08	<0.01	0.32	6	1
X789418		0.20	5.5	53.4	19.50	24.5	3.73	4	59.2	0.5	0.22	6.14	0.16	7.88	93	7
X789419		0.10	0.3	3.0	0.56	5.7	0.99	<1	33.7	0.1	0.16	0.12	0.09	0.06	224	1
X789420		0.10	0.4	3.2	0.67	4.2	0.93	<1	38.7	0.1	0.15	0.22	0.09	0.09	216	1
X789421		0.10	<0.2	2.9	0.57	4.4	0.96	<1	35.9	0.1	0.17	0.07	0.10	<0.05	221	1
X789422		0.10	0.2	3.3	0.67	8.0	0.97	<1	79.5	0.1	0.15	0.11	0.10	0.05	215	1
X789423		0.09	0.3	3.1	0.67	7.4	0.94	<1	106.0	0.1	0.15	0.11	0.10	0.06	201	1
X789424		0.09	0.2	3.1	0.64	11.4	0.94	<1	111.5	0.1	0.16	0.12	0.09	<0.05	202	<1
X789425		0.10	0.3	3.7	0.73	4.0	1.01	<1	51.2	0.1	0.18	0.25	0.09	0.10	216	1
X789426		0.22	3.7	15.0	3.89	21.3	3.12	1	259	0.3	0.40	1.97	0.22	0.55	189	1
X789427		0.22	4.0	15.7	4.05	24.9	3.29	1	297	0.3	0.40	2.25	0.24	0.69	185	1
X789428		0.19	4.0	13.1	3.44	28.8	2.79	1	232	0.3	0.34	2.24	0.19	0.46	119	1
X789429		0.10	0.3	3.2	0.69	23.0	0.95	<1	36.2	0.1	0.15	0.11	0.10	<0.05	215	1
X789430		0.09	0.3	3.1	0.62	46.3	0.94	<1	65.6	0.1	0.15	0.09	0.10	0.05	217	1
X789431		0.10	0.2	3.2	0.66	22.7	1.02	<1	30.3	0.1	0.16	0.11	0.09	0.06	221	1
X789432		0.10	0.3	3.5	0.80	26.2	1.00	<1	68.0	0.1	0.15	0.37	0.09	0.09	205	1
X789433		0.10	0.2	3.0	0.57	3.7	0.94	<1	60.6	0.1	0.16	0.09	0.10	<0.05	221	1
X789434		0.10	0.2	3.1	0.61	7.9	0.96	<1	48.1	0.1	0.16	0.12	0.10	0.05	225	<1
X789435		0.11	0.5	3.5	0.71	25.0	1.01	<1	45.2	0.1	0.16	0.22	0.09	0.06	222	1
X789436		0.26	5.3	19.5	5.17	38.3	3.93	1	407	0.8	0.53	3.18	0.25	0.71	182	<1
X789437		0.19	6.8	13.1	3.17	15.8	2.83	3	263	0.4	0.40	1.67	0.19	0.54	123	3
X789438		0.11	0.3	4.2	0.93	5.1	1.16	<1	33.9	<0.1	0.19	0.55	0.10	<0.05	221	<1
X789439		0.10	<0.2	3.0	0.61	5.2	0.97	<1	67.1	<0.1	0.17	0.20	0.09	<0.05	226	<1
X789440		0.09	<0.2	2.8	0.57	2.0	0.94	<1	81.0	<0.1	0.17	0.11	0.09	<0.05	224	<1
X789441		0.09	<0.2	2.7	0.56	2.4	0.93	<1	80.8	<0.1	0.17	0.08	0.09	<0.05	231	<1
X789442		0.09	<0.2	3.0	0.56	2.7	0.88	<1	79.6	<0.1	0.15	0.09	0.10	<0.05	223	<1
X789443		0.10	<0.2	2.7	0.59	2.2	0.89	<1	80.6	<0.1	0.16	0.10	0.09	<0.05	228	<1
X789444		0.09	0.4	3.3	0.71	9.5	0.99	<1	80.1	<0.1	0.18	0.38	0.10	0.20	220	<1
X789445		0.10	0.2	3.2	0.62	6.2	0.93	<1	65.8	<0.1	0.16	0.24	0.09	0.06	229	<1
X789446		0.10	<0.2	3.0	0.62	15.9	0.88	<1	37.2	<0.1	0.17	0.09	0.09	<0.05	220	1
X789447		0.11	0.3	3.3	0.68	57.5	1.08	<1	19.0	<0.1	0.18	0.10	0.11	0.08	205	1
X789448		0.11	0.3	3.2	0.65	51.6	1.01	<1	18.7	<0.1	0.18	0.10	0.10	0.07	209	1
X789449		0.09	0.2	3.1	0.59	37.2	0.89	<1	36.4	<0.1	0.16	0.16	0.09	0.12	224	<1
X789450		0.08	<0.2	2.8	0.59	11.9	0.90	<1	22.0	<0.1	0.15	0.08	0.09	<0.05	223	1
X789451		0.09	<0.2	2.9	0.62	9.3	0.84	<1	25.6	<0.1	0.15	0.09	0.09	<0.05	226	1
X789452		0.09	<0.2	3.0	0.62	14.3	0.88	<1	22.2	<0.1	0.15	0.09	0.09	<0.05	229	1
X789453		0.09	0.3	3.0	0.59	20.9	0.89	<1	28.7	<0.1	0.14	0.15	0.09	0.56	225	1
X789454		0.08	0.2	2.8	0.55	9.6	0.94	<1	47.4	<0.1	0.15	0.13	0.09	0.11	228	1
X789455		0.09	0.2	3.0	0.63	8.0	0.95	1	100.0	<0.1	0.15	0.19	0.10	0.08	224	2
X789456		0.09	0.2	2.9	0.61	15.4	0.90	<1	58.9	<0.1	0.15	0.17	0.09	0.09	220	1

Comments: ***** ORIGINALLY FROM WO: TB19060905 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: 14-APR-2019
Account: MZI

Project: EMB

CERTIFICATE OF ANALYSIS TB19078543

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
X789417		0.3	<0.03	2	0.3	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.02	<0.5	<0.5	1
X789418		10.6	1.03	78	5.5	14.95	0.062	0.110	0.004	0.37	3.0	0.40	0.04	1.0	<0.5	60
X789419		5.6	0.61	16	0.2	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.02	<0.5	1.0	77
X789420		5.5	0.63	11	0.1	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.02	<0.5	1.3	77
X789421		5.7	0.60	10	0.3	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.02	<0.5	0.9	78
X789422		5.5	0.56	11	0.3	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.03	<0.5	1.2	75
X789423		5.4	0.57	12	0.4	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.02	<0.5	1.0	70
X789424		5.3	0.64	10	0.3	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	0.01	0.03	<0.5	1.0	70
X789425		5.7	0.61	12	0.1	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	0.9	71
X789426		13.9	1.46	105	0.1	0.01	<0.005	0.013	<0.001	0.05	<0.2	<0.01	0.08	<0.5	1.1	49
X789427		14.4	1.46	109	0.1	0.01	<0.005	0.016	<0.001	<0.05	<0.2	<0.01	0.09	<0.5	0.6	48
X789428		11.9	1.15	89	<0.1	0.02	<0.005	0.015	<0.001	<0.05	<0.2	0.01	0.11	<0.5	0.5	27
X789429		5.6	0.59	11	0.4	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.13	<0.5	1.0	73
X789430		5.5	0.59	10	0.3	0.02	<0.005	<0.005	<0.001	<0.05	<0.2	0.03	0.25	<0.5	1.1	74
X789431		5.8	0.62	11	0.7	0.02	<0.005	<0.005	<0.001	<0.05	<0.2	0.02	0.13	<0.5	1.0	75
X789432		5.6	0.59	12	0.5	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	0.01	0.14	<0.5	0.9	73
X789433		5.8	0.66	10	0.4	<0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.02	<0.5	1.0	78
X789434		5.7	0.66	10	0.4	0.01	<0.005	<0.005	0.001	<0.05	<0.2	<0.01	0.07	<0.5	1.0	78
X789435		6.0	0.65	12	0.3	0.02	<0.005	0.005	<0.001	<0.05	<0.2	0.01	0.16	<0.5	0.9	73
X789436		16.8	1.69	147	0.2	0.02	<0.005	0.017	<0.001	<0.05	<0.2	0.01	0.19	<0.5	0.8	40
X789437		12.9	1.27	98	3.9	1.05	0.010	0.066	0.005	0.30	4.9	0.91	0.09	2.0	1.9	112
X789438		6.2	0.63	10	0.4	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.03	<0.5	0.8	78
X789439		5.7	0.62	10	0.3	<0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.02	<0.5	1.2	77
X789440		5.6	0.56	9	<0.1	<0.01	<0.005	<0.005	<0.001	<0.05	<0.2	0.01	<0.02	<0.5	1.0	79
X789441		5.6	0.63	9	<0.1	<0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	1.0	76
X789442		5.6	0.65	9	0.1	<0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	0.9	80
X789443		5.5	0.57	9	<0.1	<0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	1.2	82
X789444		5.8	0.64	14	0.1	0.01	<0.005	<0.005	0.007	<0.05	<0.2	<0.01	0.05	<0.5	0.8	74
X789445		5.7	0.59	13	0.1	<0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.04	<0.5	0.9	80
X789446		5.5	0.56	9	0.2	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.10	<0.5	0.8	77
X789447		6.3	0.68	9	0.3	0.04	<0.005	<0.005	0.006	<0.05	<0.2	0.04	0.32	<0.5	0.9	73
X789448		5.9	0.62	9	0.4	0.02	<0.005	<0.005	0.001	<0.05	<0.2	0.02	0.30	<0.5	1.1	73
X789449		5.5	0.65	10	0.4	0.01	<0.005	0.005	<0.001	<0.05	<0.2	0.01	0.22	<0.5	1.3	78
X789450		5.2	0.57	9	0.2	0.01	<0.005	<0.005	0.001	<0.05	<0.2	<0.01	0.07	<0.5	0.6	73
X789451		5.5	0.58	10	0.2	0.01	<0.005	<0.005	0.001	<0.05	<0.2	<0.01	0.06	<0.5	0.9	78
X789452		5.4	0.59	9	0.3	0.02	<0.005	<0.005	0.003	<0.05	<0.2	0.01	0.08	<0.5	1.1	78
X789453		5.3	0.59	10	0.3	0.02	<0.005	<0.005	0.002	<0.05	<0.2	0.02	0.13	<0.5	1.2	77
X789454		5.4	0.60	10	0.3	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.06	<0.5	0.8	73
X789455		5.4	0.59	16	0.4	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.06	<0.5	0.8	72
X789456		5.3	0.60	10	0.2	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.10	<0.5	0.9	73

Comments: ***** ORIGINALLY FROM WO: TB19060905 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: 14-APR-2019
Account: MZI

Project: EMB

CERTIFICATE OF ANALYSIS TB19078543

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
X789417		5	10	<1	6	<2	<1	18			<0.003
X789418		84	10	5	83	54	5	45			2.91
X789419		9	10	<1	509	3	46	68			0.007
X789420		7	10	<1	513	<2	46	73			0.006
X789421		11	10	<1	513	<2	46	71			0.006
X789422		5	10	<1	500	<2	45	75			0.011
X789423		11	10	<1	472	<2	42	71			0.016
X789424		6	10	<1	470	<2	43	73			0.005
X789425		1	10	2	476	<2	43	79			<0.003
X789426		30	30	<1	213	<2	30	70			0.011
X789427		58	20	<1	202	2	29	69			0.023
X789428		99	20	2	54	<2	16	46			0.047
X789429		8	10	<1	495	<2	44	69			0.012
X789430		30	10	<1	497	<2	46	63			0.042
X789431		25	10	<1	512	<2	45	60			0.049
X789432		15	10	<1	484	2	43	61			0.008
X789433		9	10	<1	526	<2	46	73			0.006
X789434		10	10	1	522	<2	47	73			0.018
X789435		26	10	<1	497	<2	46	69			0.045
X789436		39	10	<1	103	5	23	81			0.045
X789437		4550	20	3	4390	22	12	109			4.20
X789438		10	10	<1	530	<2	46	76			0.009
X789439		10	10	<1	527	<2	47	72			0.009
X789440		12	10	<1	541	<2	48	75			0.011
X789441		11	<10	<1	519	<2	46	72			0.011
X789442		11	10	<1	536	2	48	75			0.015
X789443		10	10	<1	556	<2	49	76			0.009
X789444		7	10	12	496	<2	45	72			0.016
X789445		6	10	<1	533	<2	48	74			0.008
X789446		6	10	<1	518	<2	46	82			0.012
X789447		29	10	16	484	3	45	67			0.070
X789448		19	10	<1	496	<2	47	63			0.046
X789449		8	10	<1	510	<2	47	63			0.009
X789450		3	10	<1	503	<2	46	66			0.009
X789451		4	10	<1	519	2	47	68			0.006
X789452		21	10	<1	525	<2	47	64			0.015
X789453		16	10	<1	503	<2	45	65			0.024
X789454		6	10	<1	493	<2	45	65			0.011
X789455		10	10	<1	497	<2	45	67			0.028
X789456		6	10	<1	501	<2	45	71			0.013

Comments: ***** ORIGINALLY FROM WO: TB19060905 MZI *****

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

Finalized Date: 14-APR-2019
Account: MZI

Project: EMB

CERTIFICATE OF ANALYSIS TB19078543

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
X789457		20.9	0.04	0.08	28.0	21.5	0.03	0.01	<0.002	<0.01	0.05	<0.01	0.02	0.03	30.0	100.66
X789458		50.0	5.19	11.20	9.08	19.60	0.54	0.25	0.340	0.21	0.21	0.01	0.01	0.01	4.06	100.71
X789459		50.9	4.79	11.35	9.22	20.7	0.40	0.17	0.372	0.22	0.22	0.01	0.01	<0.01	2.18	100.54
X789460		50.5	5.06	11.15	8.83	20.3	0.49	0.29	0.360	0.22	0.21	<0.01	0.01	0.01	1.89	99.32
X789461		51.4	4.98	11.60	9.19	20.8	0.51	0.18	0.371	0.22	0.22	0.01	0.01	0.01	1.05	100.55
X789462		51.8	4.97	11.65	9.21	20.9	0.51	0.15	0.376	0.22	0.22	0.01	0.01	0.01	0.91	100.95
X789463		51.6	4.71	11.90	9.32	21.4	0.45	0.13	0.386	0.23	0.23	<0.01	0.01	<0.01	0.70	101.07
X789464		45.7	3.20	12.80	8.64	23.0	0.23	0.07	0.441	0.20	0.21	<0.01	0.01	<0.01	4.52	99.02
X789465		44.6	2.81	13.75	8.18	24.3	0.23	0.05	0.519	0.19	0.22	<0.01	<0.01	<0.01	3.80	98.65
X789466		46.1	3.01	13.95	8.34	24.7	0.25	0.05	0.524	0.20	0.22	0.01	0.01	<0.01	3.29	100.65
X789467		46.7	3.00	14.10	8.10	25.2	0.27	0.08	0.513	0.20	0.23	<0.01	<0.01	<0.01	3.19	101.58
X789468		46.5	3.26	12.95	8.40	23.0	0.35	0.14	0.471	0.19	0.21	<0.01	0.01	<0.01	5.34	100.82
X789469		46.4	3.02	14.00	8.17	25.0	0.27	0.07	0.507	0.20	0.22	<0.01	0.01	<0.01	2.73	100.60
X789470		47.1	3.04	14.05	8.34	25.1	0.28	0.08	0.511	0.20	0.23	0.01	<0.01	<0.01	2.84	101.78
X789471		47.0	3.15	13.25	8.16	24.7	0.30	0.18	0.495	0.20	0.22	0.03	<0.01	<0.01	3.42	101.11
X789472		47.0	3.12	13.20	8.23	24.7	0.29	0.11	0.489	0.20	0.22	0.02	<0.01	<0.01	3.40	100.98
X789473		47.2	3.16	13.60	8.26	25.5	0.30	0.09	0.491	0.20	0.22	0.02	<0.01	<0.01	2.21	101.25
X789474		47.5	3.08	13.30	8.59	24.1	0.28	0.09	0.485	0.20	0.23	0.01	<0.01	<0.01	2.90	100.77
X789475		44.0	3.01	12.30	8.19	23.0	0.19	0.14	0.460	0.19	0.20	0.02	<0.01	<0.01	7.97	99.67
X789476		43.6	3.49	11.40	8.19	22.0	0.18	0.31	0.430	0.18	0.19	0.02	<0.01	0.01	9.46	99.46
X789477		32.9	10.25	24.9	4.88	6.92	1.58	0.37	0.050	0.87	0.13	0.11	0.02	0.01	7.24	90.23
X789478		46.7	3.37	13.00	8.17	24.2	0.36	0.11	0.477	0.20	0.21	0.01	<0.01	<0.01	2.89	99.70
X789479		46.6	3.37	12.70	8.80	23.8	0.33	0.13	0.475	0.21	0.21	0.01	<0.01	<0.01	3.76	100.40
X789480		47.0	3.28	12.90	8.42	24.6	0.30	0.14	0.476	0.20	0.21	0.02	<0.01	<0.01	2.49	100.04
X789481		52.5	6.38	10.05	6.75	18.40	1.49	0.80	0.325	0.23	0.18	0.03	0.01	0.02	3.26	100.43
X789482		47.4	3.21	13.20	8.85	25.1	0.30	0.07	0.491	0.21	0.22	0.02	<0.01	<0.01	2.26	101.33
X789483		46.9	3.16	13.10	8.63	24.9	0.31	0.09	0.480	0.20	0.22	0.02	<0.01	<0.01	2.46	100.47
X789484		47.0	3.18	13.05	8.73	24.8	0.32	0.09	0.480	0.20	0.22	0.01	<0.01	<0.01	2.34	100.42
X789485		46.1	3.45	12.70	8.72	24.2	0.26	0.11	0.449	0.21	0.22	0.01	<0.01	<0.01	3.53	99.96
X789486		47.3	3.50	12.70	8.64	23.9	0.45	0.14	0.461	0.20	0.21	0.02	<0.01	<0.01	3.70	101.22
X789487		48.4	3.40	13.00	8.62	24.5	0.32	0.13	0.482	0.20	0.23	0.02	<0.01	<0.01	2.60	101.90
X789488		45.8	3.15	13.30	8.73	24.1	0.35	0.09	0.456	0.19	0.22	0.01	<0.01	<0.01	4.89	101.29
X789489		47.1	3.20	13.55	8.27	24.6	0.27	0.07	0.485	0.19	0.23	0.02	<0.01	<0.01	2.87	100.86
X789490		44.9	2.71	14.45	8.25	25.8	0.23	0.04	0.525	0.18	0.22	0.01	<0.01	<0.01	4.02	101.34
X789491		44.2	2.67	14.40	7.71	25.9	0.21	0.04	0.547	0.18	0.23	0.01	<0.01	<0.01	4.38	100.48
X789492		44.9	2.71	14.55	7.90	26.1	0.23	0.05	0.539	0.18	0.23	0.02	<0.01	<0.01	4.24	101.65
X789493		46.1	3.32	14.00	7.99	24.8	0.47	0.09	0.509	0.18	0.23	0.01	<0.01	<0.01	3.76	101.46
X789494		46.1	12.65	20.4	6.11	6.78	2.16	0.62	0.034	1.24	0.19	0.16	0.03	0.02	1.17	97.66

Comments: ***** ORIGINALLY FROM WO: TB19060905 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: 14-APR-2019
Account: MZI

Project: EMB

CERTIFICATE OF ANALYSIS TB19078543

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
X789457		7.70	0.02	233	0.7	10	0.15	0.05	0.04	<0.03	0.2	0.06	<5	<0.2	0.01	0.3
X789458		0.22	0.02	49.2	4.2	2500	1.91	0.93	0.58	0.28	6.7	0.96	<5	0.6	0.20	1.5
X789459		0.09	0.01	34.3	3.4	2690	0.75	1.03	0.65	0.26	6.3	1.00	<5	0.4	0.20	0.9
X789460		0.09	0.01	69.6	3.6	2680	1.13	0.95	0.57	0.26	6.5	1.04	<5	0.4	0.20	1.1
X789461		0.09	0.01	46.7	3.6	2760	0.80	0.94	0.57	0.26	6.4	1.01	<5	0.4	0.22	1.0
X789462		0.08	0.01	45.5	3.6	2710	0.74	0.99	0.61	0.26	6.4	1.00	<5	0.4	0.21	1.1
X789463		0.06	0.02	34.8	3.5	2840	0.49	1.01	0.63	0.23	6.3	1.00	<5	0.4	0.22	1.0
X789464		0.42	0.07	18.3	2.8	3220	0.65	0.94	0.60	0.23	5.0	0.90	<5	0.3	0.20	0.7
X789465		0.03	0.02	13.7	2.9	3750	0.37	0.99	0.60	0.25	4.6	0.98	<5	0.3	0.21	0.6
X789466		0.04	0.02	15.7	3.0	3810	0.24	0.97	0.58	0.25	4.9	1.00	<5	0.4	0.20	0.7
X789467		0.08	0.02	23.7	3.0	3690	0.37	0.91	0.53	0.25	4.7	0.92	<5	0.3	0.19	0.8
X789468		0.49	0.04	38.3	3.4	3400	1.11	0.91	0.58	0.22	5.0	0.95	<5	0.4	0.22	0.9
X789469		0.05	0.03	19.5	3.0	3660	0.21	0.96	0.53	0.23	4.9	0.94	<5	0.3	0.19	0.7
X789470		0.08	0.01	21.0	3.2	3670	0.26	0.94	0.55	0.26	4.7	0.97	<5	0.3	0.19	0.9
X789471		0.19	0.03	28.7	3.4	3400	1.10	0.86	0.56	0.22	4.8	0.87	<5	0.4	0.18	1.4
X789472		0.16	0.04	20.2	3.2	3410	0.62	0.91	0.51	0.23	4.7	0.87	<5	0.3	0.19	1.4
X789473		0.06	0.01	21.5	3.3	3350	0.15	0.90	0.51	0.23	4.8	0.86	<5	0.4	0.17	1.3
X789474		0.14	0.02	21.2	3.4	3330	0.24	0.89	0.52	0.24	4.8	0.93	<5	0.4	0.18	1.3
X789475		1.40	0.02	30.8	3.2	3070	1.40	0.88	0.53	0.23	4.4	0.90	<5	0.3	0.17	1.3
X789476		1.77	0.02	45.8	4.6	2900	3.30	0.82	0.52	0.23	4.9	0.86	<5	0.3	0.17	2.2
X789477		0.10	8.57	111.0	15.7	360	0.75	1.69	0.96	0.77	11.2	1.64	<5	1.6	0.33	7.1
X789478		0.19	0.01	34.0	3.8	3330	0.43	0.99	0.57	0.26	5.0	0.92	<5	0.4	0.19	1.6
X789479		0.38	0.02	31.7	3.9	3310	0.54	0.94	0.56	0.25	5.1	0.97	<5	0.4	0.19	1.5
X789480		0.16	0.01	28.1	3.5	3330	0.41	0.96	0.57	0.26	5.0	0.98	<5	0.4	0.18	1.3
X789481		0.21	0.01	199.5	26.4	2270	2.00	1.02	0.58	0.33	8.6	1.14	<5	1.1	0.21	15.8
X789482		0.10	0.01	21.1	3.5	3470	0.11	0.96	0.59	0.26	5.0	1.02	<5	0.4	0.21	1.3
X789483		0.11	0.01	23.5	3.4	3340	0.22	0.97	0.54	0.27	4.8	1.00	<5	0.4	0.20	1.3
X789484		0.11	0.01	23.0	3.4	3340	0.19	0.96	0.56	0.25	4.9	0.98	<5	0.4	0.20	1.4
X789485		0.23	0.02	19.7	4.7	3220	0.52	0.93	0.55	0.25	5.1	1.03	<5	0.5	0.21	1.8
X789486		0.29	0.02	34.3	4.4	3250	0.66	0.91	0.55	0.26	4.8	1.06	<5	0.4	0.19	1.9
X789487		0.09	0.01	33.9	4.4	3440	0.55	0.95	0.61	0.27	5.1	0.98	<5	0.4	0.20	1.8
X789488		0.51	0.02	32.3	5.2	3240	0.62	0.95	0.60	0.27	4.8	1.04	<5	0.4	0.20	2.4
X789489		0.17	0.02	20.7	3.2	3500	0.24	0.91	0.51	0.23	4.8	0.88	<5	0.3	0.18	1.3
X789490		0.21	0.02	12.4	3.0	3720	0.16	0.88	0.53	0.22	4.6	0.95	<5	0.3	0.17	1.2
X789491		0.12	0.01	11.6	2.8	3900	0.23	0.86	0.50	0.21	4.5	0.87	<5	0.3	0.17	1.1
X789492		0.12	0.01	11.8	2.8	3850	0.21	0.87	0.52	0.22	4.5	0.89	<5	0.3	0.18	1.0
X789493		0.10	0.01	36.9	3.9	3560	0.38	0.88	0.56	0.24	5.0	0.89	<5	0.5	0.18	1.6
X789494		0.08	1.68	213	26.6	260	0.96	2.44	1.35	1.08	15.6	2.76	<5	2.3	0.49	12.4

Comments: ***** ORIGINALLY FROM WO: TB19060905 MZI *****

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

Finalized Date: 14-APR-2019
Account: MZI

Project: EMB

CERTIFICATE OF ANALYSIS TB19078543

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
X789457		<0.01	<0.2	0.3	0.08	0.4	0.06	<1	148.0	<0.1	0.01	0.07	<0.01	0.24	5	3
X789458		0.09	0.4	2.9	0.63	8.2	0.95	<1	62.9	<0.1	0.14	0.54	0.09	0.17	213	1
X789459		0.10	0.2	2.9	0.58	4.5	0.88	<1	57.8	<0.1	0.15	0.12	0.08	<0.05	225	<1
X789460		0.08	0.3	2.9	0.60	8.8	0.83	<1	72.7	<0.1	0.16	0.18	0.10	0.06	230	<1
X789461		0.10	0.2	3.1	0.60	5.3	0.89	<1	88.1	<0.1	0.15	0.13	0.09	<0.05	227	<1
X789462		0.09	0.2	3.0	0.59	4.7	0.89	<1	89.0	<0.1	0.15	0.18	0.08	0.06	229	<1
X789463		0.09	0.2	3.0	0.56	3.5	0.91	<1	76.0	<0.1	0.15	0.14	0.09	0.05	239	<1
X789464		0.08	<0.2	2.8	0.50	2.7	0.88	<1	42.3	<0.1	0.14	0.09	0.08	<0.05	202	1
X789465		0.08	<0.2	2.8	0.49	1.5	0.97	<1	24.4	<0.1	0.14	0.08	0.07	<0.05	199	<1
X789466		0.08	<0.2	2.7	0.54	1.6	0.89	<1	27.9	<0.1	0.16	0.09	0.09	<0.05	204	<1
X789467		0.08	0.2	2.9	0.52	2.7	0.90	<1	31.9	<0.1	0.14	0.12	0.09	<0.05	196	<1
X789468		0.08	0.3	2.9	0.59	8.0	0.87	<1	63.0	<0.1	0.16	0.27	0.08	0.16	184	1
X789469		0.08	<0.2	2.8	0.53	2.1	0.86	<1	32.6	<0.1	0.15	0.10	0.08	<0.05	200	<1
X789470		0.09	<0.2	2.9	0.57	2.8	0.82	<1	32.5	<0.1	0.15	0.12	0.09	<0.05	201	<1
X789471		0.08	0.2	2.8	0.55	8.7	0.88	<1	30.7	<0.1	0.14	0.15	0.08	0.07	190	1
X789472		0.08	0.2	2.8	0.52	4.4	0.87	<1	28.0	<0.1	0.14	0.12	0.07	0.05	192	2
X789473		0.08	0.2	2.8	0.55	2.5	0.91	<1	34.5	<0.1	0.15	0.12	0.08	<0.05	189	<1
X789474		0.08	0.2	2.9	0.57	2.3	0.94	<1	33.8	<0.1	0.15	0.12	0.08	<0.05	195	<1
X789475		0.07	0.2	2.7	0.51	5.2	0.88	<1	43.8	<0.1	0.15	0.12	0.08	<0.05	181	1
X789476		0.07	0.2	3.0	0.64	13.1	0.91	<1	52.8	<0.1	0.13	0.22	0.07	0.08	171	1
X789477		0.13	5.1	8.2	1.97	10.3	1.98	2	181.5	0.3	0.28	1.01	0.14	0.33	89	2
X789478		0.09	0.2	3.0	0.61	3.2	0.96	<1	46.3	<0.1	0.16	0.16	0.08	0.05	191	<1
X789479		0.08	0.2	3.2	0.63	4.7	1.00	<1	47.1	<0.1	0.17	0.15	0.08	<0.05	183	<1
X789480		0.08	0.2	3.0	0.58	4.7	0.94	<1	37.6	<0.1	0.16	0.15	0.07	0.06	190	<1
X789481		0.07	3.0	8.3	2.55	31.4	1.40	<1	100.0	0.2	0.18	4.69	0.09	0.62	145	1
X789482		0.08	0.2	2.9	0.61	2.2	0.97	<1	35.8	<0.1	0.17	0.13	0.09	<0.05	194	<1
X789483		0.09	0.2	2.9	0.55	2.7	0.96	<1	36.0	<0.1	0.15	0.12	0.08	<0.05	186	<1
X789484		0.08	0.2	2.9	0.58	2.6	0.95	<1	36.1	<0.1	0.16	0.13	0.08	<0.05	192	<1
X789485		0.09	0.5	3.5	0.71	4.3	1.02	<1	32.4	<0.1	0.16	0.33	0.09	0.11	183	<1
X789486		0.08	0.3	3.2	0.69	5.0	0.86	<1	53.0	<0.1	0.16	0.51	0.09	0.10	190	1
X789487		0.09	0.3	3.3	0.70	4.8	0.96	<1	34.0	<0.1	0.15	0.35	0.09	0.11	193	<1
X789488		0.08	0.3	3.5	0.73	3.8	0.99	<1	51.8	<0.1	0.17	0.48	0.08	0.05	182	1
X789489		0.08	<0.2	2.7	0.53	2.2	0.91	<1	37.2	<0.1	0.15	0.14	0.09	<0.05	198	<1
X789490		0.08	<0.2	2.7	0.51	1.2	0.85	<1	28.7	<0.1	0.15	0.11	0.09	<0.05	184	<1
X789491		0.07	<0.2	2.6	0.49	1.5	0.83	<1	25.5	<0.1	0.15	0.08	0.08	<0.05	184	<1
X789492		0.07	<0.2	2.6	0.49	1.7	0.82	<1	27.0	<0.1	0.16	0.09	0.08	<0.05	184	<1
X789493		0.07	0.4	2.9	0.61	3.6	0.89	<1	53.0	<0.1	0.16	0.54	0.07	0.32	173	1
X789494		0.18	7.1	13.3	3.32	16.2	3.04	4	272	0.4	0.42	1.57	0.19	0.46	136	3

Comments: ***** ORIGINALLY FROM WO: TB19060905 MZI *****

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

Finalized Date: 14-APR-2019
Account: MZI

Project: EMB

CERTIFICATE OF ANALYSIS TB19078543

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
X789457		0.4	<0.03	<2	0.3	0.29	<0.005	<0.005	<0.001	0.08	0.2	<0.01	<0.02	<0.5	<0.5	2
X789458		5.2	0.56	17	0.3	0.01	<0.005	<0.005	0.001	<0.05	<0.2	<0.01	0.04	<0.5	1.2	71
X789459		5.4	0.61	10	0.2	<0.01	<0.005	<0.005	0.001	<0.05	<0.2	<0.01	0.03	<0.5	0.8	78
X789460		5.3	0.65	13	0.2	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.04	<0.5	1.3	79
X789461		5.4	0.61	10	<0.1	<0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	0.02	<0.5	1.0	80
X789462		5.5	0.63	12	0.1	<0.01	<0.005	<0.005	<0.001	<0.05	<0.2	0.01	0.02	<0.5	1.0	76
X789463		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	0.9	80
X789464		5.0	0.56	9	0.4	0.02	<0.005	0.006	0.001	<0.05	<0.2	<0.01	0.03	<0.5	1.0	100
X789465		5.1	0.52	9	0.1	<0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	1.2	108
X789466		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	1.3	108
X789467		5.0	0.53	10	0.1	<0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	1.0	113
X789468		5.1	0.54	11	0.2	0.03	<0.005	0.008	<0.001	<0.05	<0.2	0.02	0.06	<0.5	1.2	101
X789469		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	1.3	106
X789470		5.0	0.50	10	0.1	<0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	1.1	109
X789471		4.9	0.50	11	0.2	0.02	<0.005	0.005	<0.001	<0.05	<0.2	0.01	0.06	<0.5	1.0	104
X789472		5.0	0.54	10	0.2	0.02	<0.005	0.005	0.001	<0.05	0.2	0.01	0.05	<0.5	1.4	98
X789473		5.0	0.53	10	0.1	<0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	1.2	102
X789474		5.1	0.55	11	0.1	0.01	<0.005	0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	1.1	96
X789475		4.8	0.50	10	0.2	0.02	<0.005	0.009	<0.001	<0.05	<0.2	0.01	0.03	<0.5	1.2	86
X789476		4.7	0.50	10	0.6	0.03	<0.005	0.009	<0.001	0.05	<0.2	0.01	0.07	<0.5	1.0	82
X789477		9.1	0.84	71	13.8	0.89	0.158	0.111	0.022	2.34	21.8	4.88	0.15	4.1	2.7	939
X789478		5.3	0.53	10	0.1	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	1.1	95
X789479		5.4	0.61	11	1.5	0.01	<0.005	0.006	<0.001	<0.05	<0.2	<0.01	0.02	<0.5	1.1	95
X789480		5.2	0.53	10	0.1	<0.01	<0.005	0.005	<0.001	<0.05	<0.2	<0.01	0.02	<0.5	1.3	97
X789481		5.7	0.54	36	2.8	0.01	<0.005	0.006	<0.001	0.05	<0.2	<0.01	0.12	<0.5	1.0	71
X789482		5.5	0.58	10	<0.1	<0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	1.3	98
X789483		5.3	0.59	10	0.1	<0.01	<0.005	<0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	1.3	94
X789484		5.4	0.57	10	<0.1	<0.01	<0.005	<0.005	<0.001	<0.05	<0.2	0.01	<0.02	<0.5	1.3	94
X789485		5.7	0.55	16	0.7	0.01	<0.005	0.006	<0.001	<0.05	<0.2	<0.01	0.02	<0.5	1.0	93
X789486		5.3	0.56	11	0.6	0.01	<0.005	0.007	<0.001	<0.05	<0.2	0.01	0.03	<0.5	1.0	90
X789487		5.5	0.60	11	0.1	0.01	<0.005	0.005	<0.001	<0.05	<0.2	<0.01	0.02	<0.5	1.0	91
X789488		5.4	0.54	11	2.9	0.01	<0.005	0.007	<0.001	<0.05	<0.2	<0.01	0.02	<0.5	0.8	104
X789489		5.2	0.57	10	0.1	<0.01	<0.005	0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	1.1	105
X789490		4.9	0.51	8	<0.1	<0.01	<0.005	0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	0.9	115
X789491		4.9	0.49	8	<0.1	<0.01	<0.005	0.006	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	1.1	114
X789492		4.8	0.50	8	0.1	<0.01	<0.005	0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	1.2	115
X789493		5.1	0.51	13	0.9	<0.01	<0.005	0.005	<0.001	<0.05	<0.2	<0.01	<0.02	<0.5	1.1	105
X789494		13.3	1.23	94	4.2	1.24	0.010	0.071	0.006	0.32	5.2	0.78	0.09	2.3	2.3	115

Comments: ***** ORIGINALLY FROM WO: TB19060905 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: 14-APR-2019
Account: MZI

Project: EMB

CERTIFICATE OF ANALYSIS TB19078543

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
X789457		1	10	<1	5	5	<1	37			<0.003
X789458		2	10	<1	482	<2	43	70			<0.003
X789459		9	10	<1	537	<2	47	71			0.011
X789460		6	10	1	536	4	48	72			0.007
X789461		6	10	<1	538	<2	47	73			0.007
X789462		6	10	<1	520	<2	46	70			0.008
X789463		8	10	<1	544	<2	48	72			0.008
X789464		12	10	<1	806	2	41	74			0.017
X789465		2	10	<1	804	<2	39	70			0.004
X789466		5	10	<1	801	2	40	75			0.008
X789467		10	10	<1	841	<2	40	81			0.008
X789468		22	<10	<1	790	5	38	84			0.023
X789469		5	10	<1	816	2	40	79			0.005
X789470		7	10	<1	845	<2	41	81			0.006
X789471		12	<10	<1	814	<2	42	80			0.025
X789472		18	<10	<1	769	<2	41	77			0.061
X789473		7	10	<1	832	<2	41	80			0.006
X789474		7	10	<1	761	3	42	78			0.009
X789475		6	10	<1	709	<2	38	71			0.008
X789476		4	10	<1	680	2	37	71			0.005
X789477		>10000	10	3	>10000	19	8	136	1.590	4.66	16.65
X789478		19	10	<1	820	<2	41	77			0.014
X789479		11	10	<1	772	<2	43	81			0.012
X789480		8	10	<1	831	<2	42	79			0.009
X789481		8	10	<1	532	<2	29	62			0.009
X789482		9	10	<1	795	<2	43	79			0.006
X789483		8	10	<1	764	<2	41	77			0.005
X789484		6	10	<1	765	3	41	76			0.005
X789485		9	10	<1	729	2	39	78			0.010
X789486		10	10	<1	757	<2	39	75			0.013
X789487		5	10	<1	737	<2	42	74			0.006
X789488		6	10	<1	869	<2	39	78			0.007
X789489		5	10	<1	908	2	41	76			0.007
X789490		16	10	<1	1005	<2	38	84			0.008
X789491		4	10	<1	906	2	37	73			0.004
X789492		4	10	<1	851	3	37	75			0.005
X789493		7	10	<1	796	3	36	78			0.005
X789494		4450	20	4	4500	25	12	104			4.11

Comments: ***** ORIGINALLY FROM WO: TB19060905 MZI *****

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THUNDER BAY ON P7B 2R2

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CERTIFICATE OF ANALYSIS TB19078543

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			