ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

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

Finalized Date: 23-DEC-2018
Account: MZI

CERTIFICATE TB18310807

Project: EMB

P.O. No.: 198288

This report is for 64 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 5-DEC-2018.

The following have access to data associated with this certificate:

KAITLYN CHOVANCAK CLAIRE MCGUINNESS LDIM WEBTRIEVE	DENIS DECHARTE DAVE PECK	GARY DESCHUTTER KATHRYN STINSON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
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
Se-MS46	Super Trace Se 25g AR by ICP-MS	ICP-MS
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: TB18299769 MZI *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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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
W875715		17.90	0.05	0.09	27.7	21.1	0.02	0.01	<0.002	<0.01	0.04	<0.01	0.02	0.01	32.1	99.04
W875716		85.6	5.39	3.13	0.05	0.44	0.08	0.78	0.014	0.32	0.19	0.11	<0.01	0.07	5.32	101.49
W875717		48.4	19.45	7.52	11.00	8.10	2.09	0.36	0.042	0.17	0.11	0.01	0.02	0.01	3.41	100.69
W875718		48.9	18.25	8.47	11.15	8.85	1.97	0.52	0.041	0.59	0.13	0.02	0.02	0.01	2.48	101.40
W875719		55.7	16.75	8.56	6.95	3.65	4.02	0.27	0.007	1.01	0.08	0.27	0.06	0.02	2.34	99.69
W875721		48.4	18.90	7.82	10.10	8.78	1.85	0.35	0.045	0.21	0.11	0.01	0.02	0.01	2.85	99.46
W875722		49.0	19.35	7.83	10.50	8.88	1.63	0.24	0.048	0.18	0.11	<0.01	0.02	0.01	2.58	100.38
W875723		49.5	19.55	7.74	10.65	8.86	1.66	0.22	0.048	0.20	0.11	0.01	0.02	0.01	2.46	101.04
W875724		49.5	20.0	7.47	10.80	8.62	1.72	0.24	0.047	0.19	0.11	0.01	0.02	0.01	2.50	101.24
W875726		50.0	20.1	7.34	10.70	8.43	1.90	0.35	0.046	0.19	0.10	0.02	0.02	0.01	2.73	101.94
W875727		49.9	17.90	8.41	9.66	10.00	1.65	0.28	0.054	0.19	0.12	0.01	0.02	0.01	2.47	100.67
W875728		49.9	18.15	8.60	9.90	10.35	1.44	0.26	0.055	0.20	0.12	0.01	0.02	0.01	2.23	101.25
W875729		49.9	17.45	8.84	9.55	10.85	1.29	0.28	0.058	0.20	0.12	<0.01	0.02	0.01	2.56	101.13
W875731		48.8	19.05	7.53	10.10	9.31	1.69	0.34	0.049	0.18	0.11	<0.01	0.02	0.01	2.74	99.93
W875732		48.3	19.55	7.31	10.35	9.09	1.76	0.24	0.050	0.19	0.11	0.02	0.02	0.01	2.62	99.62
W875733		49.8	19.55	7.49	10.35	9.24	1.65	0.29	0.048	0.19	0.11	0.01	0.02	0.01	2.75	101.51
W875734		48.8	18.80	7.83	10.05	9.72	1.64	0.33	0.052	0.22	0.11	0.01	0.02	0.01	2.88	100.47
W875735		47.0	12.75	20.9	6.28	6.74	2.16	0.64	0.033	1.26	0.19	0.15	0.03	0.02	1.13	99.28
W875737		49.5	18.95	7.65	10.15	9.74	1.62	0.22	0.051	0.20	0.11	0.01	0.02	0.01	2.98	101.21
W875738		49.7	19.00	7.60	9.98	9.54	1.67	0.19	0.049	0.19	0.11	0.01	0.02	0.01	3.06	101.13
W875739		49.6	19.50	7.39	10.30	9.29	1.75	0.25	0.048	0.20	0.11	<0.01	0.02	0.01	2.94	101.41
W875740		49.3	19.95	7.14	10.50	8.90	1.78	0.18	0.048	0.20	0.10	0.01	0.02	0.01	2.68	100.82
W875742		48.5	18.45	7.67	9.89	9.31	1.79	0.14	0.050	0.21	0.11	0.01	0.02	0.01	3.89	100.05
W875743		52.1	18.35	6.75	9.60	8.06	1.85	0.22	0.044	0.20	0.09	<0.01	0.02	0.01	2.56	99.85
W875744		49.8	18.50	7.30	10.25	8.47	1.91	0.21	0.045	0.22	0.11	0.01	0.03	0.01	2.52	99.39
W875745		48.8	18.05	7.55	9.45	9.17	1.86	0.23	0.048	0.21	0.11	0.01	0.02	0.01	3.16	98.68
W875747		49.4	18.75	7.62	9.99	9.28	1.79	0.13	0.048	0.22	0.11	0.01	0.03	0.01	2.78	100.17
W875748		50.0	20.3	6.47	10.45	7.42	2.19	0.19	0.039	0.22	0.09	0.01	0.03	0.01	2.30	99.72
W875749		49.2	16.95	8.59	9.16	10.95	1.72	0.12	0.053	0.28	0.12	0.01	0.02	0.01	2.98	100.16
W875750		49.4	11.75	11.10	7.35	14.70	1.06	0.08	0.071	0.31	0.16	0.01	0.01	<0.01	3.83	99.83
W875752		48.8	18.55	7.78	9.92	9.93	2.00	0.22	0.052	0.27	0.12	0.01	0.03	0.01	2.66	100.35
W875753		49.2	13.25	10.60	7.85	14.10	1.18	0.12	0.069	0.28	0.16	<0.01	0.02	<0.01	3.83	100.66
W875754		49.0	12.55	10.70	7.62	14.35	1.12	0.12	0.070	0.26	0.16	0.01	0.01	<0.01	3.74	99.71
W875755		12.85	0.06	0.08	28.9	20.7	0.02	0.01	<0.002	<0.01	0.05	0.01	0.02	0.03	36.0	98.73
W875756		48.8	12.55	10.70	7.41	14.40	0.90	0.16	0.070	0.25	0.15	0.01	0.01	<0.01	4.06	99.47
W875758		48.4	12.15	11.05	7.25	14.60	0.95	0.13	0.070	0.24	0.16	<0.01	0.01	<0.01	4.20	99.21
W875759		48.8	12.35	11.20	7.31	14.75	0.80	0.23	0.071	0.27	0.16	<0.01	0.01	0.01	4.08	100.04
W875760		49.5	11.85	11.35	7.21	15.20	0.89	0.28	0.074	0.29	0.17	0.01	0.01	0.01	4.05	100.89
W875761		48.5	12.95	10.50	7.43	13.95	0.98	0.31	0.068	0.25	0.15	0.01	0.01	0.01	3.83	98.95
W875763		50.2	11.90	11.70	7.04	15.50	0.95	0.16	0.075	0.26	0.17	0.01	0.01	<0.01	1.48	99.46

Comments: ***** ORIGINALLY FROM WO: TB18299769 MZI *****

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THUNDER BAY ON P7B 2R2

Finalized Date: 23-DEC-2018
Account: MZI

Project: EMB

CERTIFICATE OF ANALYSIS TB18310807

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
W875715		8.34	0.02	124.0	0.6	<10	0.21	<0.05	<0.03	<0.03	<0.1	0.06	<5	<0.2	0.01	0.3
W875716		3.86	0.02	599	204	90	0.99	1.31	0.90	0.51	6.3	1.44	<5	1.5	0.30	139.5
W875717		0.06	0.08	97.5	3.0	300	1.42	0.44	0.36	0.18	15.1	0.36	<5	0.2	0.10	1.6
W875718		0.06	0.02	124.0	3.7	280	2.33	0.73	0.46	0.21	15.0	0.62	<5	0.4	0.15	1.7
W875719		0.05	0.73	166.5	68.4	50	2.12	3.83	1.77	1.76	21.3	5.52	<5	4.3	0.69	31.2
W875721		0.03	0.05	98.2	3.8	310	1.26	0.51	0.35	0.19	13.7	0.47	<5	0.2	0.12	1.8
W875722		0.01	0.04	75.4	3.4	330	1.14	0.51	0.30	0.20	14.4	0.47	<5	0.2	0.11	1.6
W875723		0.02	0.04	66.6	3.2	320	1.03	0.54	0.39	0.18	13.2	0.44	<5	0.3	0.13	1.5
W875724		0.01	0.05	74.6	3.1	320	1.26	0.44	0.30	0.21	14.4	0.46	<5	0.2	0.12	1.5
W875726		0.03	0.03	86.5	4.1	330	1.46	0.56	0.34	0.21	14.5	0.39	<5	0.3	0.11	2.1
W875727		0.05	0.03	71.1	3.6	360	1.25	0.50	0.36	0.20	13.0	0.48	<5	0.3	0.11	1.8
W875728		0.06	0.04	54.5	3.1	380	1.01	0.54	0.37	0.18	13.3	0.47	<5	0.3	0.11	1.6
W875729		0.02	0.03	61.8	2.9	400	1.26	0.51	0.38	0.19	12.7	0.50	<5	0.3	0.13	1.4
W875731		0.01	0.03	80.0	2.9	340	1.15	0.47	0.33	0.19	12.8	0.40	<5	0.2	0.10	1.4
W875732		0.02	0.03	72.6	2.8	310	0.87	0.47	0.30	0.19	13.2	0.35	<5	0.2	0.08	1.3
W875733		0.03	0.06	70.3	3.1	330	1.19	0.47	0.30	0.20	13.9	0.37	<5	0.2	0.11	1.6
W875734		0.02	0.03	68.2	3.0	350	1.13	0.46	0.38	0.19	13.1	0.50	<5	0.2	0.12	1.3
W875735		0.06	1.76	211	25.6	230	0.86	2.48	1.32	1.09	15.4	2.97	<5	2.1	0.51	11.6
W875737		0.05	0.03	58.0	2.8	350	1.13	0.44	0.38	0.17	13.2	0.39	<5	0.2	0.10	1.4
W875738		0.07	0.03	59.4	6.5	320	0.99	0.57	0.39	0.27	12.9	0.62	<5	0.2	0.12	3.3
W875739		0.06	0.03	63.8	3.3	330	1.18	0.42	0.29	0.17	13.3	0.45	<5	0.2	0.09	1.7
W875740		0.06	0.04	58.7	3.2	320	0.98	0.42	0.33	0.18	13.5	0.37	<5	0.2	0.11	1.5
W875742		0.32	0.03	46.7	3.0	340	0.90	0.44	0.30	0.18	12.9	0.38	<5	0.2	0.10	1.6
W875743		0.08	0.03	61.9	3.6	300	0.93	0.44	0.33	0.17	12.6	0.37	<5	0.4	0.10	1.9
W875744		0.05	0.03	69.9	4.2	320	1.05	0.50	0.33	0.19	13.9	0.49	<5	0.4	0.12	2.2
W875745		0.12	0.02	72.7	2.8	340	1.14	0.46	0.32	0.23	13.9	0.37	<5	0.2	0.09	1.4
W875747		0.03	0.03	54.3	3.2	330	0.86	0.44	0.36	0.23	13.7	0.38	<5	0.2	0.11	1.6
W875748		0.01	0.02	80.2	3.7	270	1.22	0.41	0.32	0.19	14.0	0.38	<5	0.3	0.09	1.9
W875749		0.02	0.03	48.4	3.2	360	0.96	0.44	0.33	0.20	12.9	0.36	<5	0.3	0.10	1.6
W875750		0.02	0.04	21.0	3.0	480	0.83	0.52	0.38	0.15	10.3	0.47	<5	0.3	0.12	1.5
W875752		0.02	0.04	53.3	2.8	330	1.07	0.43	0.29	0.21	12.9	0.31	<5	0.3	0.09	1.4
W875753		0.03	0.04	32.3	2.3	520	1.07	0.48	0.30	0.16	11.3	0.33	<5	0.2	0.10	1.1
W875754		0.01	0.04	33.7	2.3	490	1.33	0.42	0.35	0.16	11.0	0.35	<5	0.2	0.08	1.2
W875755		9.69	0.01	243	2.3	<10	0.18	0.06	0.05	<0.03	0.1	0.05	<5	<0.2	0.01	2.2
W875756		0.03	0.03	35.9	2.3	540	1.33	0.42	0.30	0.16	11.1	0.34	<5	0.2	0.10	1.1
W875758		0.05	0.04	31.5	2.2	520	1.17	0.40	0.33	0.13	10.6	0.33	<5	0.2	0.10	1.0
W875759		0.02	0.05	47.3	2.4	520	1.95	0.46	0.34	0.12	11.0	0.39	<5	0.3	0.10	1.1
W875760		0.01	0.04	51.6	2.5	560	1.55	0.48	0.33	0.16	10.5	0.37	<5	0.3	0.11	1.2
W875761		0.01	0.04	60.3	2.5	490	1.87	0.43	0.31	0.15	10.9	0.37	<5	0.3	0.09	1.2
W875763		0.02	0.03	39.7	2.5	580	1.31	0.44	0.41	0.16	10.8	0.39	<5	0.3	0.09	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
W875715		<0.01	<0.2	0.3	0.06	0.5	0.05	<1	202	<0.1	0.01	0.05	<0.01	0.20	<5	<1
W875716		0.16	4.5	50.0	17.25	20.9	2.91	2	53.6	0.4	0.24	5.28	0.14	7.43	77	3
W875717		0.04	0.2	1.6	0.36	10.8	0.33	<1	183.0	<0.1	0.07	0.13	0.06	<0.05	128	1
W875718		0.07	1.1	1.9	0.46	13.1	0.54	1	205	0.2	0.11	0.11	0.07	0.08	196	1
W875719		0.19	10.7	36.1	8.55	7.0	6.70	1	521	0.6	0.74	3.95	0.24	1.01	151	4
W875721		0.06	0.7	1.8	0.47	9.5	0.45	<1	192.5	<0.1	0.07	0.15	0.05	<0.05	137	1
W875722		0.05	0.6	1.7	0.42	6.3	0.32	<1	190.0	<0.1	0.08	0.12	0.05	<0.05	130	<1
W875723		0.06	0.3	1.6	0.41	5.4	0.44	<1	189.5	0.2	0.08	0.13	0.06	<0.05	132	<1
W875724		0.06	0.3	1.6	0.38	5.8	0.35	<1	209	0.2	0.07	0.12	0.05	<0.05	126	<1
W875726		0.05	0.4	2.0	0.46	9.5	0.45	<1	210	0.3	0.08	0.35	0.06	0.14	130	<1
W875727		0.06	0.4	1.7	0.42	6.6	0.47	<1	170.5	0.2	0.08	0.20	0.06	0.17	139	<1
W875728		0.06	0.3	1.6	0.38	5.9	0.42	<1	177.0	0.2	0.07	0.16	0.05	0.05	143	<1
W875729		0.06	0.2	1.6	0.37	6.7	0.46	<1	158.5	0.1	0.07	0.14	0.05	<0.05	147	<1
W875731		0.05	0.2	1.5	0.35	9.2	0.32	<1	187.5	0.1	0.06	0.12	0.05	<0.05	129	1
W875732		0.06	0.2	1.4	0.33	5.4	0.34	<1	183.5	0.1	0.06	0.13	0.05	<0.05	123	<1
W875733		0.06	0.3	1.6	0.36	7.8	0.29	<1	203	0.2	0.07	0.16	0.06	<0.05	127	<1
W875734		0.06	0.3	1.7	0.39	8.5	0.35	<1	189.5	0.1	0.08	0.05	0.06	<0.05	138	<1
W875735		0.19	6.6	13.8	3.23	16.4	3.08	3	256	0.5	0.45	1.58	0.20	0.53	115	3
W875737		0.05	0.2	1.3	0.34	5.5	0.35	<1	178.0	0.1	0.07	0.13	0.05	<0.05	133	<1
W875738		0.05	0.5	3.1	0.76	4.5	0.65	<1	182.5	0.2	0.09	0.97	0.05	0.06	124	<1
W875739		0.06	0.3	1.8	0.39	6.7	0.35	<1	191.0	0.2	0.07	0.28	0.04	<0.05	129	1
W875740		0.05	0.3	1.6	0.36	4.3	0.37	<1	201	0.2	0.08	0.14	0.04	<0.05	128	<1
W875742		0.06	0.3	1.5	0.38	3.0	0.34	<1	195.5	0.2	0.06	0.18	0.05	0.06	138	<1
W875743		0.05	0.4	1.7	0.41	5.2	0.40	<1	188.0	0.2	0.05	0.66	0.05	0.16	125	1
W875744		0.06	0.6	1.9	0.50	5.5	0.40	<1	240	0.2	0.07	0.46	0.06	0.16	135	1
W875745		0.05	0.2	1.4	0.34	6.5	0.32	<1	209	0.2	0.06	0.12	0.05	<0.05	144	1
W875747		0.06	0.3	1.6	0.38	3.1	0.30	<1	200	0.1	0.07	0.15	0.05	0.05	144	1
W875748		0.05	0.3	1.6	0.41	4.5	0.35	<1	262	0.1	0.06	0.33	0.05	0.12	128	1
W875749		0.06	0.3	1.5	0.38	2.4	0.35	<1	183.5	0.1	0.07	0.19	0.05	0.06	169	1
W875750		0.06	0.4	1.5	0.34	1.4	0.37	<1	101.0	0.2	0.08	0.29	0.05	0.62	204	1
W875752		0.04	0.2	1.5	0.35	3.3	0.28	<1	213	0.1	0.05	0.17	0.04	0.13	152	<1
W875753		0.06	0.2	1.3	0.28	2.7	0.32	<1	132.5	0.1	0.05	0.11	0.06	0.07	208	1
W875754		0.06	0.2	1.3	0.27	2.8	0.26	<1	126.5	0.2	0.05	0.14	0.06	<0.05	199	<1
W875755		0.01	<0.2	0.6	0.16	0.5	0.06	<1	170.5	0.2	0.01	<0.05	0.02	0.23	<5	3
W875756		0.06	0.2	1.2	0.29	3.7	0.29	<1	103.5	0.2	0.07	0.14	0.05	<0.05	212	<1
W875758		0.06	0.2	1.2	0.26	3.0	0.27	<1	102.0	0.2	0.06	0.11	0.05	<0.05	207	<1
W875759		0.06	0.2	1.2	0.29	5.5	0.32	<1	90.1	0.1	0.06	0.13	0.05	<0.05	207	<1
W875760		0.06	0.3	1.3	0.32	7.1	0.29	<1	96.1	0.1	0.07	0.16	0.06	<0.05	226	<1
W875761		0.06	0.2	1.3	0.31	7.6	0.33	<1	121.0	0.2	0.06	0.13	0.05	0.05	200	<1
W875763		0.06	0.2	1.3	0.30	3.4	0.30	<1	118.5	0.2	0.08	0.16	0.05	<0.05	228	<1

Comments: ***** ORIGINALLY FROM WO: TB18299769 MZI *****

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ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

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

Finalized Date: 23-DEC-2018
Account: MZI

Project: EMB

CERTIFICATE OF ANALYSIS TB18310807

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
W875715		0.3	<0.03	2	0.4	0.01	<0.005	<0.005	<0.001	<0.05	0.4	0.01	<0.02	<0.5	<0.5	<1
W875716		9.5	1.06	63	6.5	14.40	0.072	0.102	0.002	0.41	2.8	0.40	0.05	0.6	<0.5	63
W875717		2.8	0.35	9	0.8	0.19	<0.005	<0.005	<0.001	<0.05	0.3	0.06	<0.02	<0.5	<0.5	45
W875718		4.2	0.47	15	0.4	0.06	<0.005	<0.005	<0.001	<0.05	<0.2	0.04	0.03	<0.5	<0.5	47
W875719		18.5	1.52	171	1.4	1.36	<0.005	0.016	<0.001	<0.05	<0.2	0.47	0.03	<0.5	<0.5	43
W875721		2.9	0.39	9	0.5	0.03	<0.005	<0.005	<0.001	<0.05	0.2	0.03	<0.02	<0.5	<0.5	50
W875722		3.0	0.35	8	0.2	0.03	<0.005	<0.005	<0.001	<0.05	0.3	0.03	<0.02	<0.5	<0.5	52
W875723		3.0	0.37	9	0.2	0.03	<0.005	<0.005	<0.001	<0.05	0.2	0.02	<0.02	<0.5	<0.5	47
W875724		2.9	0.35	9	0.4	0.12	<0.005	<0.005	<0.001	<0.05	0.2	0.04	<0.02	<0.5	<0.5	46
W875726		3.0	0.41	10	0.1	0.02	<0.005	<0.005	<0.001	<0.05	0.2	0.02	<0.02	<0.5	<0.5	46
W875727		3.1	0.42	10	0.1	0.02	<0.005	<0.005	<0.001	<0.05	0.2	0.02	<0.02	<0.5	<0.5	55
W875728		3.0	0.43	11	<0.1	0.02	<0.005	0.005	<0.001	<0.05	<0.2	0.02	<0.02	<0.5	<0.5	53
W875729		3.1	0.41	9	<0.1	0.01	<0.005	<0.005	<0.001	<0.05	0.3	0.02	<0.02	<0.5	<0.5	58
W875731		2.6	0.37	8	0.2	0.03	<0.005	<0.005	<0.001	<0.05	0.3	0.03	<0.02	<0.5	<0.5	50
W875732		2.6	0.31	9	<0.1	0.03	<0.005	<0.005	<0.001	<0.05	0.2	0.03	<0.02	<0.5	<0.5	50
W875733		2.8	0.35	9	0.4	0.19	<0.005	<0.005	<0.001	<0.05	0.2	0.04	<0.02	<0.5	<0.5	49
W875734		2.9	0.36	7	0.3	0.04	<0.005	<0.005	<0.001	<0.05	0.2	0.02	<0.02	<0.5	<0.5	53
W875735		13.2	1.32	96	4.0	0.76	0.009	0.066	0.006	0.34	4.7	0.55	0.10	1.8	1.2	121
W875737		2.5	0.35	8	0.3	0.01	<0.005	<0.005	<0.001	<0.05	0.2	0.03	<0.02	<0.5	<0.5	50
W875738		3.1	0.36	8	0.2	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	0.02	<0.02	<0.5	<0.5	52
W875739		2.6	0.33	8	0.2	0.01	<0.005	<0.005	<0.001	<0.05	0.2	0.03	<0.02	<0.5	<0.5	50
W875740		2.5	0.32	8	0.1	0.02	<0.005	<0.005	<0.001	<0.05	0.2	0.03	<0.02	<0.5	<0.5	47
W875742		2.5	0.38	9	<0.1	0.01	<0.005	<0.005	<0.001	<0.05	0.2	0.02	<0.02	<0.5	<0.5	52
W875743		2.5	0.33	13	0.3	0.02	<0.005	<0.005	<0.001	<0.05	<0.2	0.02	<0.02	<0.5	<0.5	43
W875744		3.1	0.39	17	0.4	0.04	<0.005	<0.005	<0.001	<0.05	0.2	0.04	<0.02	<0.5	<0.5	47
W875745		2.5	0.35	8	0.3	0.07	<0.005	<0.005	<0.001	<0.05	0.2	0.07	<0.02	<0.5	<0.5	50
W875747		2.6	0.34	8	0.4	0.02	<0.005	<0.005	<0.001	<0.05	<0.2	0.01	<0.02	<0.5	<0.5	51
W875748		2.5	0.33	10	0.4	0.03	<0.005	<0.005	<0.001	<0.05	<0.2	0.03	<0.02	<0.5	<0.5	41
W875749		2.7	0.34	12	0.3	0.02	<0.005	<0.005	<0.001	<0.05	<0.2	0.02	<0.02	<0.5	<0.5	57
W875750		2.9	0.43	10	0.2	0.02	<0.005	<0.005	<0.001	<0.05	<0.2	0.01	<0.02	<0.5	<0.5	75
W875752		2.2	0.31	8	0.4	0.01	<0.005	<0.005	<0.001	<0.05	0.2	0.01	<0.02	<0.5	<0.5	53
W875753		2.6	0.38	8	0.2	0.02	<0.005	<0.005	<0.001	<0.05	0.2	0.01	<0.02	<0.5	<0.5	74
W875754		2.6	0.39	8	0.2	0.02	<0.005	<0.005	<0.001	<0.05	<0.2	0.01	<0.02	<0.5	<0.5	72
W875755		0.5	0.06	<2	0.6	0.12	<0.005	<0.005	<0.001	0.13	0.3	<0.01	0.02	<0.5	<0.5	<1
W875756		2.6	0.42	8	0.2	0.02	<0.005	<0.005	<0.001	<0.05	<0.2	0.01	<0.02	<0.5	<0.5	75
W875758		2.5	0.39	7	0.4	0.02	<0.005	<0.005	<0.001	<0.05	0.2	0.01	<0.02	<0.5	<0.5	73
W875759		2.7	0.43	8	0.5	0.02	<0.005	<0.005	<0.001	<0.05	0.2	0.01	<0.02	<0.5	<0.5	73
W875760		2.8	0.41	10	0.5	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	0.01	<0.02	<0.5	<0.5	78
W875761		2.6	0.34	9	0.6	0.01	<0.005	<0.005	<0.001	<0.05	0.2	0.01	<0.02	<0.5	<0.5	71
W875763		2.8	0.38	13	0.2	0.01	<0.005	<0.005	<0.001	<0.05	0.2	0.01	<0.02	<0.5	<0.5	78

Comments: ***** ORIGINALLY FROM WO: TB18299769 MZI *****

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ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

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

Finalized Date: 23-DEC-2018
Account: MZI

Project: EMB

CERTIFICATE OF ANALYSIS TB18310807

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
W875715		5	10	1	4	2	<1	25			<0.003
W875716		89	10	6	87	53	5	47			2.93
W875717		62	20	<1	270	3	22	53			0.136
W875718		15	10	<1	283	<2	25	56			0.027
W875719		94	20	<1	71	<2	14	53			0.331
W875721		49	10	<1	283	<2	18	50			0.105
W875722		50	10	<1	292	<2	18	49			0.109
W875723		46	10	<1	276	<2	17	47			0.091
W875724		43	10	<1	275	<2	17	47			0.087
W875726		43	10	<1	268	<2	18	46			0.082
W875727		60	10	<1	315	<2	23	53			0.095
W875728		35	10	<1	325	<2	23	60			0.078
W875729		44	10	<1	345	<2	20	56			0.094
W875731		62	10	<1	296	<2	18	50			0.081
W875732		47	10	<1	295	<2	20	46			0.068
W875733		39	10	<1	300	<2	18	48			0.097
W875734		42	10	<1	318	<2	22	52			0.072
W875735		4790	20	5	4690	27	13	113			3.98
W875737		48	10	<1	304	<2	19	44			0.090
W875738		37	10	<1	311	<2	18	47			0.068
W875739		39	10	<1	301	<2	20	46			0.071
W875740		35	10	<1	289	<2	20	44			0.075
W875742		39	10	<1	306	<2	21	49			0.075
W875743		37	10	<1	259	<2	17	42			0.087
W875744		28	10	<1	270	<2	20	44			0.081
W875745		25	10	<1	301	<2	20	50			0.054
W875747		26	10	<1	296	<2	18	47			0.082
W875748		17	10	<1	234	<2	15	40			0.057
W875749		24	10	<1	356	<2	20	54			0.087
W875750		20	20	1	458	<2	34	67			0.114
W875752		26	10	<1	322	<2	20	47			0.101
W875753		34	20	<1	463	<2	34	69			0.102
W875754		32	10	<1	449	3	32	67			0.089
W875755		1	10	<1	<1	3	<1	22			<0.003
W875756		15	20	<1	466	<2	33	70			0.068
W875758		35	20	<1	459	2	34	70			0.093
W875759		37	20	<1	456	<2	33	68			0.098
W875760		34	20	<1	484	<2	36	72			0.088
W875761		39	10	<1	435	<2	29	66			0.095
W875763		42	<10	<1	477	<2	29	71			0.095

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

Finalized Date: 23-DEC-2018
Account: MZI

Project: EMB

CERTIFICATE OF ANALYSIS TB18310807

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
W875764		50.6	12.45	11.65	7.28	15.35	1.02	0.12	0.075	0.26	0.17	0.01	0.01	<0.01	0.99	99.99
W875765		49.2	11.45	11.70	6.84	15.30	0.96	0.13	0.076	0.26	0.17	0.01	0.01	<0.01	3.20	99.31
W875766		50.5	11.85	11.75	6.96	15.10	0.94	0.18	0.076	0.26	0.16	<0.01	0.01	<0.01	2.57	100.36
W875768		51.2	11.85	11.85	6.80	15.40	0.99	0.16	0.078	0.27	0.15	<0.01	0.01	<0.01	1.58	100.34
W875769		50.8	11.60	12.10	6.82	15.40	0.94	0.15	0.078	0.26	0.16	<0.01	0.01	<0.01	1.46	99.78
W875770		51.0	12.40	11.75	7.21	14.90	1.01	0.14	0.076	0.26	0.16	0.01	0.01	<0.01	1.24	100.17
W875771		50.1	12.45	11.45	7.22	14.45	0.93	0.23	0.074	0.25	0.17	<0.01	0.01	0.01	3.03	100.37
W875773		50.1	12.25	11.45	7.31	14.45	0.86	0.26	0.074	0.24	0.17	<0.01	0.01	0.01	3.01	100.19
W875774		49.4	12.20	11.40	7.16	14.40	0.81	0.25	0.073	0.24	0.16	0.01	0.01	0.01	3.86	99.98
W875775		33.3	10.20	25.2	4.90	6.84	1.56	0.44	0.050	0.87	0.14	0.10	0.02	0.01	6.97	90.60
W875776		50.4	12.30	11.45	7.29	14.15	0.99	0.17	0.073	0.23	0.17	<0.01	0.01	<0.01	3.58	100.81
W875777		51.1	13.00	11.25	7.35	13.20	1.48	0.18	0.067	0.23	0.16	<0.01	0.01	0.01	3.59	101.63
W875779		48.8	11.95	12.45	7.46	13.15	1.22	0.17	0.066	0.33	0.17	0.02	0.01	0.01	3.50	99.31
W875780		48.3	11.90	12.30	7.14	13.35	1.06	0.19	0.067	0.26	0.17	<0.01	0.01	<0.01	3.72	98.47
W875781		49.4	12.20	12.40	7.11	13.45	1.46	0.15	0.064	0.27	0.17	<0.01	0.01	<0.01	3.56	100.24
W875782		50.9	11.95	11.40	7.46	12.25	1.73	0.18	0.061	0.33	0.15	0.01	0.02	0.01	3.12	99.57
W875784		50.4	11.45	12.65	7.07	14.20	1.01	0.20	0.072	0.27	0.18	0.01	0.01	0.01	1.88	99.41
W875785		50.4	11.95	12.60	7.10	14.75	1.03	0.13	0.073	0.25	0.18	<0.01	0.01	0.01	0.29	98.77
W875786		50.7	12.00	11.85	7.19	13.00	1.34	0.37	0.066	0.29	0.17	0.01	0.01	0.01	1.42	98.43
W875787		54.3	11.95	10.35	5.98	11.50	1.79	0.45	0.058	0.30	0.15	0.01	0.02	0.02	1.80	98.68
W875789		50.5	12.10	11.40	6.95	13.40	0.98	0.40	0.068	0.25	0.17	<0.01	0.01	0.01	3.18	99.42
W875790		50.5	11.65	11.95	6.85	13.85	0.91	0.38	0.069	0.25	0.17	<0.01	<0.01	0.01	3.43	100.02
W875791		50.9	12.60	11.50	7.46	13.35	1.28	0.36	0.068	0.25	0.16	<0.01	0.01	0.01	3.43	101.38
W875792		47.8	12.70	20.8	6.26	6.65	2.18	0.64	0.033	1.26	0.19	0.15	0.02	0.02	1.04	99.74

Comments: ***** ORIGINALLY FROM WO: TB18299769 MZI *****

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

Finalized Date: 23-DEC-2018
Account: MZI

Project: EMB

CERTIFICATE OF ANALYSIS TB18310807

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
W875764		0.04	0.03	34.2	2.2	560	2.74	0.42	0.32	0.15	10.9	0.33	<5	0.3	0.10	1.0
W875765		0.09	0.03	32.0	2.3	580	3.04	0.43	0.36	0.12	10.5	0.39	<5	0.2	0.09	1.2
W875766		0.08	0.04	48.6	2.8	530	1.97	0.50	0.41	0.13	10.4	0.38	<5	0.2	0.13	1.3
W875768		0.03	0.04	43.3	2.6	540	1.86	0.51	0.33	0.20	10.4	0.44	<5	0.4	0.11	1.2
W875769		0.06	0.04	43.7	2.8	550	1.71	0.49	0.46	0.17	10.7	0.32	<5	0.4	0.12	1.2
W875770		0.05	0.06	40.9	2.8	540	1.29	0.49	0.37	0.11	10.6	0.34	<5	0.2	0.07	1.1
W875771		0.05	0.03	52.1	2.6	520	1.63	0.42	0.40	0.18	10.2	0.43	<5	0.2	0.12	1.2
W875773		0.05	0.03	55.4	2.3	520	1.54	0.49	0.27	0.09	10.6	0.44	<5	0.3	0.08	1.0
W875774		0.05	0.03	53.7	7.4	510	1.87	0.59	0.32	0.22	10.3	0.52	<5	0.2	0.09	3.0
W875775		0.10	9.54	116.0	16.9	350	0.81	1.70	1.17	0.82	11.7	2.24	<5	1.5	0.43	7.5
W875776		0.03	0.03	46.1	3.7	520	2.00	0.44	0.31	0.16	10.9	0.39	<5	0.3	0.11	1.6
W875777		0.03	0.04	48.1	3.4	490	1.23	0.49	0.34	0.14	11.3	0.37	<5	0.4	0.08	1.6
W875779		0.03	0.09	48.3	3.2	480	1.61	0.47	0.36	0.15	10.9	0.37	<5	0.3	0.15	1.3
W875780		0.03	0.04	42.6	2.9	470	1.29	0.53	0.36	0.10	10.2	0.32	<5	0.2	0.08	1.3
W875781		0.01	0.04	41.7	2.6	460	1.13	0.48	0.40	0.17	10.7	0.27	<5	0.3	0.09	1.2
W875782		0.02	0.07	60.5	5.9	430	1.50	0.74	0.60	0.29	11.3	0.71	<5	0.7	0.14	2.6
W875784		0.07	0.04	57.2	3.7	530	1.17	0.58	0.41	0.16	10.6	0.47	<5	0.4	0.13	1.6
W875785		0.05	0.05	51.1	2.5	550	0.56	0.65	0.33	0.17	10.9	0.50	<5	0.4	0.11	1.3
W875786		0.05	0.02	95.8	5.8	480	1.35	0.73	0.35	0.22	10.9	0.60	<5	0.7	0.14	2.5
W875787		0.03	0.03	156.0	7.8	430	1.68	0.61	0.45	0.18	12.0	0.45	<5	1.2	0.14	3.6
W875789		0.02	0.03	102.0	5.0	500	2.19	0.54	0.49	0.20	11.0	0.54	<5	0.4	0.14	2.1
W875790		0.02	0.02	86.4	5.8	510	1.93	0.61	0.41	0.14	10.6	0.54	<5	0.4	0.12	2.5
W875791		0.04	0.02	82.7	5.7	500	1.79	0.49	0.37	0.19	11.7	0.53	<5	0.5	0.12	2.5
W875792		0.09	1.82	217	27.5	250	1.00	2.93	1.65	1.03	15.0	2.72	<5	2.5	0.55	12.1

Comments: ***** ORIGINALLY FROM WO: TB18299769 MZI *****

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ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

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

Finalized Date: 23-DEC-2018
Account: MZI

Project: EMB

CERTIFICATE OF ANALYSIS TB18310807

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
W875764		0.05	0.2	1.2	0.28	3.3	0.26	<1	124.0	0.1	0.05	0.10	0.05	<0.05	215	<1
W875765		0.06	0.2	1.1	0.27	3.9	0.29	<1	106.5	0.1	0.07	0.13	0.06	<0.05	223	<1
W875766		0.09	0.3	1.5	0.31	4.1	0.23	<1	117.5	0.1	0.08	0.25	0.05	0.15	222	1
W875768		0.05	0.3	1.4	0.35	3.7	0.40	<1	120.5	0.1	0.09	0.19	0.05	0.05	221	<1
W875769		0.08	0.3	1.0	0.32	3.5	0.22	<1	119.5	0.1	0.06	0.19	0.05	0.06	219	<1
W875770		0.06	0.3	1.3	0.31	2.7	0.18	<1	130.0	0.1	0.09	0.21	0.07	0.05	223	<1
W875771		0.07	0.3	1.3	0.32	5.2	0.41	<1	123.5	0.1	0.06	0.25	0.05	0.39	211	1
W875773		0.04	0.3	1.0	0.30	5.5	0.33	<1	113.0	0.1	0.07	0.08	0.06	0.07	212	<1
W875774		0.04	3.9	3.4	0.86	5.8	0.62	<1	102.5	0.1	0.06	0.41	0.05	0.08	208	<1
W875775		0.11	5.5	8.9	2.16	10.8	2.06	2	177.5	0.4	0.32	1.09	0.20	0.41	82	3
W875776		0.07	0.9	1.6	0.40	4.4	0.37	<1	116.5	0.1	0.06	0.41	0.05	0.19	209	1
W875777		0.06	0.6	1.7	0.39	4.8	0.29	<1	154.0	0.2	0.06	0.32	0.04	0.09	195	1
W875779		0.07	0.6	1.5	0.41	4.7	0.39	<1	135.5	0.1	0.11	0.22	0.05	0.07	257	1
W875780		0.06	0.3	1.4	0.31	5.0	0.31	<1	115.5	0.1	0.06	0.16	0.05	0.06	212	1
W875781		0.06	0.4	1.6	0.31	4.2	0.38	<1	129.5	0.1	0.07	0.22	0.04	0.06	222	1
W875782		0.08	1.2	3.3	0.81	3.8	0.60	<1	159.0	0.1	0.13	0.33	0.08	0.33	228	2
W875784		0.07	0.6	2.0	0.53	4.4	0.35	<1	121.0	0.1	0.09	0.21	0.07	0.15	222	<1
W875785		0.06	0.4	1.1	0.38	2.7	0.23	<1	125.0	0.1	0.07	0.20	0.08	0.09	220	<1
W875786		0.08	0.8	2.9	0.72	7.8	0.48	<1	131.5	0.1	0.08	0.32	0.08	0.12	218	<1
W875787		0.07	2.0	3.5	0.85	10.9	0.64	1	170.5	0.3	0.11	0.88	0.09	0.41	187	<1
W875789		0.08	0.8	2.5	0.62	9.8	0.50	<1	105.5	0.1	0.07	0.53	0.03	0.10	196	<1
W875790		0.08	0.7	2.9	0.69	9.6	0.59	<1	90.5	0.2	0.10	0.48	0.07	0.14	203	1
W875791		0.05	0.8	2.5	0.70	8.6	0.38	1	120.0	0.1	0.07	0.36	0.05	0.12	199	1
W875792		0.19	7.3	14.2	3.32	16.4	2.94	4	266	0.5	0.45	1.38	0.19	0.50	130	4

Comments: ***** ORIGINALLY FROM WO: TB18299769 MZI *****

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ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

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

Finalized Date: 23-DEC-2018
Account: MZI

Project: EMB

CERTIFICATE OF ANALYSIS TB18310807

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
W875764		2.5	0.38	8	0.1	<0.01	<0.005	<0.005	<0.001	<0.05	0.2	0.01	0.02	<0.5	<0.5	76
W875765		2.6	0.41	9	0.2	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	0.02	0.02	<0.5	<0.5	77
W875766		2.8	0.44	10	0.3	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	0.02	<0.02	<0.5	<0.5	78
W875768		2.7	0.44	11	0.3	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	0.02	0.02	<0.5	<0.5	75
W875769		2.9	0.41	10	0.3	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	0.02	<0.02	<0.5	<0.5	81
W875770		2.8	0.32	11	0.2	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	0.03	<0.02	<0.5	<0.5	77
W875771		2.6	0.26	10	0.3	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	0.03	<0.02	<0.5	<0.5	75
W875773		2.4	0.30	10	0.3	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	0.02	<0.02	<0.5	<0.5	77
W875774		2.8	0.29	10	0.3	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	0.02	<0.02	<0.5	<0.5	75
W875775		9.5	1.05	59	12.2	1.08	0.135	0.104	0.019	2.52	20.7	4.19	0.14	3.8	2.5	956
W875776		2.6	0.37	11	0.4	0.05	<0.005	<0.005	<0.001	<0.05	0.2	0.02	<0.02	<0.5	<0.5	76
W875777		2.4	0.38	12	0.3	0.06	<0.005	<0.005	<0.001	<0.05	<0.2	0.02	<0.02	<0.5	<0.5	69
W875779		3.3	0.29	12	0.7	0.09	<0.005	<0.005	<0.001	<0.05	0.2	0.03	<0.02	<0.5	<0.5	76
W875780		2.6	0.27	8	0.4	0.03	<0.005	<0.005	<0.001	<0.05	<0.2	0.02	<0.02	<0.5	<0.5	74
W875781		3.0	0.37	9	0.3	0.04	<0.005	<0.005	<0.001	<0.05	0.2	0.02	<0.02	<0.5	<0.5	73
W875782		4.2	0.48	23	1.0	0.04	<0.005	<0.005	<0.001	<0.05	0.2	0.02	<0.02	<0.5	<0.5	72
W875784		3.3	0.32	15	0.2	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	0.02	<0.02	<0.5	<0.5	77
W875785		3.1	0.45	12	0.1	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	0.02	<0.02	<0.5	<0.5	81
W875786		3.7	0.48	23	0.2	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	0.01	0.02	<0.5	<0.5	72
W875787		3.6	0.47	51	0.4	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	0.01	0.03	<0.5	0.5	65
W875789		3.2	0.37	14	0.3	0.02	<0.005	<0.005	<0.001	<0.05	0.2	0.01	<0.02	<0.5	<0.5	71
W875790		4.0	0.39	16	0.2	0.01	<0.005	<0.005	<0.001	<0.05	<0.2	0.01	<0.02	<0.5	<0.5	76
W875791		3.4	0.35	16	0.3	0.02	<0.005	<0.005	<0.001	<0.05	<0.2	0.01	<0.02	<0.5	<0.5	69
W875792		13.6	1.27	99	3.9	1.13	0.010	0.065	0.005	0.33	4.8	0.76	0.09	1.4	0.8	112

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

Finalized Date: 23-DEC-2018
Account: MZI

Project: EMB

CERTIFICATE OF ANALYSIS TB18310807

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
W875764		44	<10	<1	472	<2	24	69			0.103
W875765		34	10	<1	471	<2	30	75			0.058
W875766		41	10	<1	469	<2	31	70			0.052
W875768		39	<10	<1	459	2	34	69			0.051
W875769		40	<10	<1	487	<2	31	75			0.048
W875770		44	<10	<1	479	<2	26	73			0.065
W875771		39	10	<1	457	<2	34	73			0.051
W875773		42	10	<1	452	<2	31	72			0.056
W875774		41	10	<1	452	<2	32	72			0.068
W875775		>10000	10	3	>10000	16	8	137	1.650	4.63	16.45
W875776		53	20	<1	497	<2	32	74			0.080
W875777		47	10	<1	423	<2	27	72			0.079
W875779		62	10	<1	414	<2	33	75			0.183
W875780		41	20	<1	409	<2	33	74			0.107
W875781		35	20	<1	400	<2	34	70			0.079
W875782		34	10	<1	386	<2	32	67			0.124
W875784		38	<10	<1	437	2	34	79			0.093
W875785		43	<10	<1	453	<2	30	79			0.105
W875786		45	<10	<1	397	<2	27	79			0.078
W875787		48	10	1	377	<2	29	77			0.064
W875789		47	10	<1	416	<2	29	76			0.071
W875790		30	20	<1	431	<2	31	81			0.053
W875791		29	20	<1	410	2	30	69			0.045
W875792		4430	20	4	4250	19	12	104			4.22

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Finalized Date: 23-DEC-2018
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CERTIFICATE OF ANALYSIS TB18310807

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			