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: 25-JUN-2019
Account: MZI

CERTIFICATE TB19140113

Project: EMB

P.O. No.: 218459

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 9-JUN-2019.

The following have access to data associated with this certificate:

KAITLYN CHOVANCAK	DENIS DECHARTE	JILL MAXWELL
CLAIRE MCGUINNESS	DAVE PECK	LDIM WEBTRIEVE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21	Sample logging - ClientBarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
PUL-35	Pulv 250 g Split to 95%<106 um

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	
PGM-ICP23	Pt, Pd, Au 30g FA ICP	ICP-AES
ME-ICP61	33 element four acid ICP-AES	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 *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS TB19140113

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	PGM-ICP23 Au ppb 1	PGM-ICP23 Pd ppb 1	PGM-ICP23 Pt ppb 5	ME-ICP61 Cu ppm 1	ME-ICP61 Ni ppm 1	ME-ICP61 Co ppm 1	ME-ICP61 Mg % 0.01	ME-ICP61 Ag ppm 0.5	Cu-OG62 Cu ppm 10	Ni-OG62 Ni ppm 10
A0140703		1.00	1	<1	<5	<1	4	<1	12.95	<0.5		
A0140704		0.08	4710	2050	1320	86	87	65	0.27	1.0		
A0140705		2.03	2	102	<5	54	218	46	4.02	0.5		
A0140706		2.86	1	89	<5	45	225	44	3.82	<0.5		
A0140707		2.59	3	222	<5	108	187	40	3.46	<0.5		
A0140708		1.97	5	161	26	133	246	48	5.09	<0.5		
A0140709		1.93	2	32	8	71	381	88	7.65	<0.5		
A0140710		1.95	3	382	6	37	382	85	7.72	<0.5		
A0140711		1.58	16	144	10	65	295	64	6.29	<0.5		
A0140712		2.01	8	120	19	45	283	61	6.12	<0.5		
A0140713		2.13	1	51	8	4	210	52	4.60	<0.5		
A0140714		1.99	1	63	7	51	193	52	4.10	<0.5		
A0140715		2.44	1	47	<5	46	159	44	3.52	<0.5		
A0140716		2.02	3	43	<5	43	165	48	3.64	<0.5		
A0140717		2.39	<1	54	5	42	160	47	3.42	<0.5		
A0140718		2.34	1	64	8	64	179	53	3.75	<0.5		
A0140719		2.27	1	67	6	60	170	52	4.00	0.5		
A0140720		1.89	2	71	10	51	168	52	3.72	<0.5		
A0140721		2.38	1	67	11	73	195	63	4.46	<0.5		
A0140722		2.37	1	61	13	79	197	61	4.41	<0.5		
A0140723		0.07	54	614	312	4430	4380	116	4.01	2.1		
A0140724		1.93	1	57	10	107	203	65	4.00	<0.5		
A0140725		1.95	1	65	11	87	192	60	3.78	<0.5		
A0140726		2.31	2	80	11	69	183	56	4.02	0.5		
A0140727		2.06	2	69	13	68	196	59	3.90	<0.5		
A0140728		2.00	2	81	14	66	204	60	3.78	<0.5		
A0140729		1.92	2	93	10	49	198	57	4.00	<0.5		
A0140730		1.71	2	101	15	49	194	55	3.75	<0.5		
A0140731		2.00	1	108	17	49	202	56	3.92	<0.5		
A0140732		2.11	1	110	16	51	202	61	4.01	<0.5		
A0140733		1.93	1	93	12	45	175	53	3.74	<0.5		
A0140734		2.01	1	101	13	44	169	53	3.66	<0.5		
A0140735		1.97	<1	96	15	51	191	60	3.92	<0.5		
A0140736		2.02	2	75	12	67	186	58	3.74	<0.5		
A0140737		1.73	<1	121	17	60	183	56	3.70	<0.5		
A0140738		1.75	1	109	10	41	180	51	3.43	<0.5		
A0140739		1.60	2	112	9	55	181	51	3.46	<0.5		
A0140740		1.86	<1	130	11	37	169	48	3.13	<0.5		
A0140741		1.48	1	122	10	39	164	46	3.06	<0.5		
A0140742		2.12	2	149	16	37	174	47	3.33	<0.5		

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CERTIFICATE OF ANALYSIS TB19140113

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	PGM-ICP23 Au ppb 1	PGM-ICP23 Pd ppb 1	PGM-ICP23 Pt ppb 5	ME-ICP61 Cu ppm 1	ME-ICP61 Ni ppm 1	ME-ICP61 Co ppm 1	ME-ICP61 Mg % 0.01	ME-ICP61 Ag ppm 0.5	Cu-OG62 Cu ppm 10	Ni-OG62 Ni ppm 10
A0140743		1.68	<1	1	<5	1	2	2	13.40	<0.5		
A0140744		2.10	2	163	18	42	181	44	3.38	<0.5		
A0140745		1.99	2	335	26	40	195	47	3.30	<0.5		
A0140746		2.02	2	235	47	30	181	50	3.62	<0.5		
A0140747		1.63	1	116	18	44	228	59	4.54	<0.5		
A0140748		2.03	1	81	23	57	317	80	5.70	<0.5		
A0140749		1.84	2	76	17	63	385	96	7.36	<0.5		
A0140750		2.32	3	75	18	90	459	105	8.44	<0.5		
A0140751		1.66	3	59	17	55	391	99	8.08	<0.5		
A0140752		1.70	12	61	15	79	342	87	7.08	<0.5		
A0140753		2.72	8	32	7	120	222	53	4.10	<0.5		
A0140754		2.34	<1	<1	<5	38	13	8	0.48	<0.5		
A0140755		2.64	4	1	<5	63	64	20	1.83	<0.5		
A0140756		2.41	2	<1	<5	28	50	14	1.49	<0.5		
A0140757		2.47	4	<1	<5	42	73	18	1.49	<0.5		
A0140758		2.50	9	1	<5	105	38	15	0.98	<0.5		
A0140759		2.47	1	1	<5	74	88	27	2.09	<0.5		
A0140760		1.62	1	1	<5	84	164	42	3.99	<0.5		
A0140761		1.67	4	<1	<5	161	172	45	3.85	<0.5		
A0140762		1.87	5	1	<5	114	193	48	4.62	<0.5		
A0140763		0.08	232	3410	790	>10000	>10000	980	4.06	4.2	15700	45200
A0140764		2.34	4	1	<5	111	215	40	4.13	0.5		
A0140765		2.51	8	1	<5	176	168	34	3.19	<0.5		
A0140766		2.57	9	6	<5	203	268	46	4.84	<0.5		
A0140767		2.71	17	6	<5	248	347	50	4.85	<0.5		
A0140768		2.14	16	4	<5	217	294	47	4.93	<0.5		
A0140769		2.20	11	7	<5	127	268	47	5.17	<0.5		
A0140770		2.24	35	54	17	346	518	56	6.27	0.5		
A0140771		2.29	8	2	<5	139	255	41	4.64	<0.5		
A0140772		2.17	22	53	13	235	339	48	4.83	<0.5		
A0140773		2.02	12	44	8	127	144	14	0.99	<0.5		
A0140774		2.01	33	72	18	250	304	33	2.95	<0.5		
A0140775		2.11	35	73	15	281	413	46	4.93	<0.5		
A0140776		1.89	13	4	<5	95	297	42	5.23	<0.5		
A0140777		2.01	26	57	16	153	318	42	4.91	<0.5		
A0140778		2.16	16	44	21	123	313	45	5.32	<0.5		
A0140779		2.02	48	90	23	415	512	53	5.21	0.6		
A0140780		0.07	86	625	293	4380	4250	113	3.98	2.3		

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CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:	CRU-32	CRU-QC	LOG-21	LOG-23
	PUL-35	PUL-QC	SPL-21	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:	Cu-OG62	ME-ICP61	ME-OG62	Ni-OG62
	PGM-ICP23			