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: 16-JUN-2019
Account: MZI

CERTIFICATE TB19133967

Project: EMB

P.O. No.: 218459

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 2-JUN-2019.

The following have access to data associated with this certificate:

KAITLYN CHOVANCAK CLAIRE MCGUINNESS	DENIS DECHARTE DAVE PECK	JILL MAXWELL 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 TB19133967

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
A0144369		1.93	<1	1	<5	3	<1	1	13.10	<0.5		
A0144370		0.08	4720	1970	1250	86	84	62	0.26	0.6		
A0144371		2.33	2	15	<5	22	410	67	5.08	<0.5		
A0144372		2.38	<1	15	<5	14	443	63	5.02	<0.5		
A0144373		2.17	<1	16	<5	12	489	66	5.24	<0.5		
A0144374		2.60	3	16	32	14	483	68	5.38	<0.5		
A0144375		2.36	<1	16	8	11	191	33	2.43	<0.5		
A0144376		2.46	<1	14	<5	13	300	56	5.46	<0.5		
A0144377		2.23	<1	14	<5	16	285	58	5.50	<0.5		
A0144378		2.27	<1	12	11	17	270	55	5.68	<0.5		
A0144379		2.04	1	5	21	48	304	65	6.18	<0.5		
A0144380		2.44	2	7	17	74	294	63	6.07	<0.5		
A0144381		2.55	2	10	11	68	295	64	6.33	<0.5		
A0144382		2.35	2	14	<5	54	277	62	6.04	<0.5		
A0144383		2.33	7	14	10	54	240	54	4.97	<0.5		
A0144384		2.36	4	7	6	35	306	65	5.99	<0.5		
A0144385		2.11	1	5	<5	10	189	43	4.56	<0.5		
A0144386		2.06	3	5	<5	58	261	54	5.20	<0.5		
A0144387		2.27	4	3	<5	61	261	53	5.29	<0.5		
A0144388		2.22	3	6	<5	68	276	55	5.60	<0.5		
A0144389		0.07	71	598	280	4620	4500	115	3.97	2.0		
A0144390		2.21	2	6	15	52	268	56	5.57	<0.5		
A0144391		2.08	2	4	6	41	170	39	3.44	<0.5		
A0144392		2.25	3	6	5	44	253	56	5.31	<0.5		
A0144393		2.20	7	39	11	78	263	55	5.20	<0.5		
A0144394		2.37	34	176	32	160	330	56	5.20	<0.5		
A0144395		2.30	7	117	24	105	319	58	5.37	<0.5		
A0144396		2.46	6	103	24	139	295	51	4.91	<0.5		
A0144397		2.38	<1	5	<5	46	197	42	3.88	<0.5		
A0144398		2.61	3	4	6	83	296	59	6.11	<0.5		
A0144399		2.27	2	9	<5	76	278	57	5.85	<0.5		
A0144400		2.33	2	8	10	89	313	68	6.75	<0.5		
A0144401		2.36	3	7	<5	63	295	62	6.10	<0.5		
A0144402		2.45	2	7	<5	74	319	65	6.53	<0.5		
A0144403		2.21	2	15	<5	65	286	56	5.76	<0.5		
A0144404		2.63	4	20	<5	57	251	52	5.18	<0.5		
A0144405		2.45	2	29	5	73	385	80	8.68	<0.5		
A0144406		2.26	3	48	12	83	388	83	8.61	<0.5		
A0144407		2.46	1	41	5	72	316	66	6.77	<0.5		
A0144408		2.93	2	52	8	77	384	80	8.73	<0.5		

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CERTIFICATE OF ANALYSIS TB19133967

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
A0144409		1.48	<1	<1	<5	2	2	1	13.20	<0.5		
A0144410		2.35	1	22	<5	70	360	77	8.10	<0.5		
A0144411		2.57	1	27	<5	63	360	79	8.37	<0.5		
A0144412		2.41	3	39	<5	52	348	75	7.73	<0.5		
A0144413		2.11	3	21	<5	59	342	74	7.68	<0.5		
A0144414		2.49	6	16	<5	60	349	76	8.16	<0.5		
A0144415		2.64	6	20	6	80	357	77	7.96	<0.5		
A0144416		2.70	7	28	<5	78	343	72	7.58	<0.5		
A0144417		2.29	5	25	<5	66	345	74	7.83	<0.5		
A0144418		2.45	2	25	<5	62	339	75	7.73	<0.5		
A0144419		2.74	1	27	<5	72	348	73	7.65	<0.5		
A0144420		2.38	1	21	<5	37	273	59	6.27	<0.5		
A0144421		2.44	2	23	<5	42	305	67	7.02	<0.5		
A0144422		2.05	2	24	<5	64	338	74	7.62	<0.5		
A0144423		2.28	1	24	<5	65	345	75	7.75	<0.5		
A0144424		2.46	2	22	<5	53	340	75	7.85	<0.5		
A0144425		2.31	4	25	<5	68	357	80	8.20	<0.5		
A0144426		2.42	68	25	<5	78	342	75	7.72	<0.5		
A0144427		2.38	5	27	5	58	201	46	4.48	<0.5		
A0144428		2.47	4	25	<5	62	293	62	6.50	<0.5		
A0144429		0.08	231	3350	782	>10000	>10000	1010	4.10	4.1	16350	46000
A0144430		2.32	5	31	<5	88	393	78	7.93	<0.5		
A0144431		2.28	4	27	<5	68	343	70	7.37	<0.5		
A0144432		2.31	3	20	<5	55	290	63	6.29	<0.5		
A0144433		2.26	5	28	<5	52	295	65	6.69	<0.5		
A0144434		2.22	7	25	<5	72	300	64	6.62	<0.5		
A0144435		2.14	11	60	5	72	326	69	7.28	<0.5		
A0144436		2.20	8	59	9	72	289	63	6.44	<0.5		
A0144437		2.23	7	41	<5	64	311	68	7.03	<0.5		
A0144438		2.21	7	74	8	67	314	65	6.90	<0.5		
A0144439		2.16	7	77	13	61	281	60	6.29	<0.5		
A0144440		2.25	7	70	6	62	281	60	6.33	<0.5		
A0144441		2.52	11	110	14	87	289	64	6.23	<0.5		
A0144442		2.10	2	48	6	39	256	58	6.00	<0.5		
A0144443		1.82	13	56	8	71	280	61	6.44	<0.5		
A0144444		1.81	1	22	<5	14	105	25	2.38	<0.5		
A0144445		1.54	10	74	14	65	293	63	6.64	<0.5		
A0144446		0.07	68	585	329	4420	4290	113	3.87	1.9		

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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			