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: 28-JUN-2019
Account: MZI

CERTIFICATE TB19144446

Project: 18-101

P.O. No.: 182449

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 14-JUN-2019.

The following have access to data associated with this certificate:

KAITLYN CHOVANCAK CLAIRE MCGUINNESS	SAM DAVIES DAVE PECK	DENIS DECHARTE 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
PGM-ICP27	Ore grade Pt, Pd and Au by ICP	ICP-AES
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 TB19144446

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	PGM-ICP27 Au ppb 10	PGM-ICP27 Pd ppb 10	PGM-ICP27 Pt ppb 10	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
A0161787		1.10	2	<1	<5				3	7	<1	13.10	<0.5		
A0161788		0.08	4830	1990	1290				88	86	63	0.27	0.8		
A0161789		2.68	4	111	15				29	243	58	3.79	<0.5		
A0161790		2.80	2	38	<5				13	296	62	3.30	<0.5		
A0161791		2.46	1	36	<5				11	312	65	3.57	<0.5		
A0161792		2.61	2	32	<5				9	249	53	3.05	<0.5		
A0161793		2.61	1	32	<5				20	278	61	3.34	<0.5		
A0161794		2.60	1	37	<5				11	257	55	3.03	<0.5		
A0161795		2.69	2	29	<5				30	247	65	3.61	<0.5		
A0161796		2.70	1	36	<5				8	262	56	3.04	<0.5		
A0161797		2.52	1	36	<5				9	262	55	3.13	<0.5		
A0161798		2.54	2	42	<5				11	345	65	2.89	<0.5		
A0161799		2.68	2	33	<5				8	620	103	2.59	<0.5		
A0161800		2.73	2	33	<5				<1	746	121	2.51	<0.5		
A0161801		3.07	1	31	<5				<1	726	121	2.72	<0.5		
A0161802		2.83	2	22	<5				25	661	122	3.61	<0.5		
A0161803		2.88	3	38	<5				55	651	113	3.38	<0.5		
A0161804		2.87	1	31	<5				16	790	131	2.96	<0.5		
A0161805		2.36	2	40	<5				2	708	121	3.22	<0.5		
A0161806		3.16	2	43	5				4	733	123	3.11	<0.5		
A0161807		0.07	73	602	309				4350	4180	113	3.94	1.8		
A0161808		2.87	1	34	<5				14	765	124	2.43	<0.5		
A0161809		3.07	1	41	<5				6	762	118	2.21	<0.5		
A0161810		3.08	1	28	<5				2	890	142	3.07	<0.5		
A0161811		2.91	1	33	<5				6	690	112	3.15	<0.5		
A0161812		2.86	1	36	<5				3	634	102	2.55	<0.5		
A0161813		2.59	1	34	<5				2	707	115	2.75	<0.5		
A0161814		2.42	1	39	<5				4	619	100	2.91	<0.5		
A0161815		2.43	2	39	<5				14	537	88	2.77	<0.5		
A0161816		2.46	1	34	<5				1	747	113	2.57	<0.5		
A0161817		2.62	1	35	<5				4	578	94	2.77	<0.5		
A0161818		2.49	2	35	<5				6	664	103	2.50	<0.5		
A0161819		2.64	1	33	<5				4	659	104	2.50	<0.5		
A0161820		2.67	1	34	<5				2	733	109	2.64	<0.5		
A0161821		2.56	2	32	<5				11	745	116	3.01	<0.5		
A0161822		2.54	1	35	<5				3	608	96	2.70	<0.5		
A0161823		2.41	2	38	<5				6	582	92	2.89	<0.5		
A0161824		2.48	1	21	<5				16	686	100	5.30	<0.5		
A0161825		2.63	<1	33	<5				5	593	93	2.65	<0.5		
A0161826		2.45	1	29	<5				9	599	87	2.59	<0.5		

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Finalized Date: 28-JUN-2019
Account: MZI

Project: 18-101

CERTIFICATE OF ANALYSIS TB19144446

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	PGM-ICP27 Au ppb 10	PGM-ICP27 Pd ppb 10	PGM-ICP27 Pt ppb 10	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
A0161827		1.54	2	<1	<5				1	4	3	13.15	<0.5		
A0161828		2.61	5	30	8				89	468	102	2.85	<0.5		
A0161829		2.54	9	59	25				129	564	102	2.97	<0.5		
A0161830		1.90	3	46	14				43	527	101	3.24	<0.5		
A0161831		2.77	6	28	7				319	252	88	2.38	<0.5		
A0161832		2.23	26	1200	177				472	541	83	9.42	<0.5		
A0161833		2.19	43	1880	150				149	468	83	10.55	<0.5		
A0161834		2.18	125	3370	261				303	494	72	8.30	<0.5		
A0161835		2.24	140	6510	597				425	507	65	6.52	<0.5		
A0161836		2.74	347	>10000	1340	460	18200	1360	920	668	63	4.91	0.7		
A0161837		2.56	72	5380	411				282	395	43	4.06	<0.5		
A0161838		2.67	12	192	27				170	204	29	2.14	<0.5		
A0161839		2.53	9	14	<5				151	34	20	0.43	<0.5		
A0161840		2.41	4	58	10				69	119	18	1.16	<0.5		
A0161841		1.74	2	4	<5				32	26	10	0.71	<0.5		
A0161842		2.09	4	11	<5				57	68	19	2.02	<0.5		
A0161843		2.05	2	<1	<5				37	2	6	0.12	<0.5		
A0161844		2.53	3	21	6				46	130	36	3.12	<0.5		
A0161845		2.62	3	28	9				45	149	40	3.46	<0.5		
A0161846		2.04	34	478	93				934	762	89	5.37	0.7		
A0161847		0.08	294	3450	815				>10000	>10000	979	4.02	4.3	16300	45500
A0161848		1.99	56	520	100				942	787	78	4.57	0.5		
A0161849		2.45	34	296	55				509	485	67	4.97	<0.5		
A0161850		1.68	7	35	7				113	150	40	3.64	<0.5		
A0161851		1.62	21	221	48				293	336	68	6.13	<0.5		
A0161852		1.65	2	16	<5				32	125	40	3.75	<0.5		
A0161853		1.68	3	22	6				52	141	41	3.68	<0.5		
A0161854		2.06	3	21	7				46	133	39	3.51	<0.5		
A0161855		2.09	4	24	8				39	147	41	3.68	<0.5		
A0161856		2.09	5	14	5				65	120	36	3.13	<0.5		
A0161857		2.29	5	17	6				72	156	45	3.91	<0.5		
A0161858		2.31	18	249	43				243	340	68	5.99	<0.5		
A0161859		1.88	4	19	8				55	148	43	3.80	<0.5		
A0161860		1.97	8	99	25				128	258	59	5.16	<0.5		
A0161861		2.20	6	65	15				79	190	47	4.00	<0.5		
A0161862		2.02	5	18	7				50	145	43	3.81	<0.5		
A0161863		1.78	4	15	6				38	137	40	3.68	<0.5		
A0161864		0.07	92	614	300				4580	4400	119	3.98	2.0		

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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	PGM-ICP27		