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: 11-AUG-2019
Account: MZI

CERTIFICATE TB19183343

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 25-JUL-2019.

The following have access to data associated with this certificate:

KAITLYN CHOVANCAK	SAM DAVIES	DENIS DECHARTE
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 TB19183343

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
A0154125		2.02	<1	<1	<5	5	2	1	13.50	<0.5		
A0154126		0.07	5090	1960	1260	86	85	62	0.26	0.6		
A0154127		2.26	17	43	9	128	263	51	4.99	<0.5		
A0154128		2.39	10	40	9	131	270	50	5.36	<0.5		
A0154129		2.45	24	140	17	249	351	54	5.41	<0.5		
A0154130		2.56	16	35	10	177	298	52	5.44	<0.5		
A0154131		1.43	155	1140	92	750	951	75	5.94	<0.5		
A0154132		2.29	70	257	41	614	610	55	4.81	<0.5		
A0154133		2.56	35	107	23	287	428	61	6.14	<0.5		
A0154134		2.65	349	1700	181	1570	1685	106	8.77	0.6		
A0154135		3.32	239	1070	119	989	1130	69	5.59	<0.5		
A0154136		2.69	61	308	31	495	590	59	5.68	<0.5		
A0154137		2.46	11	37	<5	247	319	50	5.34	<0.5		
A0154138		2.62	17	40	7	257	371	54	5.66	<0.5		
A0154139		2.37	29	132	18	274	438	55	5.44	<0.5		
A0154140		2.25	14	308	28	707	530	58	5.32	<0.5		
A0154141		2.68	56	383	78	360	590	56	5.66	<0.5		
A0154142		2.42	124	827	84	824	904	59	5.50	0.5		
A0154143		2.42	125	870	124	818	914	63	5.66	<0.5		
A0154144		2.44	153	1020	109	762	855	67	6.21	<0.5		
A0154145		0.07	86	614	300	4590	4330	113	3.86	2.1		
A0154146		2.32	181	1280	150	1120	1165	82	6.93	0.5		
A0154147		2.23	73	445	122	525	511	41	3.84	<0.5		
A0154148		2.42	19	310	71	255	431	50	5.60	<0.5		
A0154149		3.19	35	806	231	138	443	56	6.98	<0.5		
A0154150		2.03	695	1670	303	674	1100	88	8.98	<0.5		
A0154151		1.78	75	742	144	469	695	84	8.58	<0.5		
A0154152		2.22	58	435	82	306	530	69	7.38	<0.5		
A0154153		2.35	175	758	121	437	673	75	7.86	<0.5		
A0154154		1.51	60	403	99	289	616	83	9.04	<0.5		
A0154155		1.56	48	484	129	274	573	75	8.35	<0.5		
A0154156		1.52	64	703	73	295	593	66	6.79	<0.5		
A0154157		2.28	102	972	186	514	730	68	6.86	<0.5		
A0154158		2.21	53	392	135	270	413	48	5.59	<0.5		
A0154159		2.12	73	515	140	323	548	66	7.00	<0.5		
A0154160		2.24	64	324	85	333	514	57	6.41	<0.5		
A0154161		2.23	93	775	72	383	685	65	7.31	<0.5		
A0154162		2.35	24	347	51	150	453	53	6.70	<0.5		
A0154163		2.63	9	246	62	75	377	48	6.07	<0.5		
A0154164		2.53	30	328	107	163	463	58	7.00	<0.5		

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CERTIFICATE OF ANALYSIS TB19183343

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
A0154165		1.32	<1	1	<5	1	4	<1	13.15	0.6		
A0154166		2.37	25	455	134	123	366	47	6.29	<0.5		
A0154167		2.39	10	178	49	80	286	34	4.46	<0.5		
A0154168		2.56	9	217	48	151	426	47	6.44	<0.5		
A0154169		2.36	4	109	46	65	205	27	3.48	0.6		
A0154170		2.54	10	298	66	85	234	33	3.80	<0.5		
A0154171		2.65	13	122	76	130	257	31	3.97	<0.5		
A0154172		1.58	32	1640	265	428	571	48	5.70	<0.5		
A0154173		3.33	10	296	56	97	380	41	5.53	<0.5		
A0154174		2.40	10	392	85	81	395	33	4.48	<0.5		
A0154175		2.56	8	514	70	104	368	37	4.75	<0.5		
A0154176		2.73	46	3930	272	1015	1385	78	5.86	1.3		
A0154177		2.59	51	2170	215	1115	1025	60	4.72	1.0		
A0154178		2.31	125	1300	189	752	814	61	6.87	0.5		
A0154179		2.45	14	713	138	124	352	36	4.72	<0.5		
A0154180		2.46	13	725	140	221	504	43	5.15	<0.5		
A0154181		2.37	33	775	106	1350	645	45	4.22	1.0		
A0154182		2.47	30	825	110	520	641	40	3.74	<0.5		
A0154183		2.63	9	368	59	103	357	36	4.55	<0.5		
A0154184		2.13	7	644	159	77	320	36	4.53	<0.5		
A0154185		0.12	202	3400	788	>10000	>10000	977	3.92	4.1	16100	45600
A0154186		2.58	9	908	195	172	502	44	5.36	<0.5		
A0154187		2.61	38	565	100	536	661	60	7.26	0.6		
A0154188		2.29	19	278	49	297	392	59	6.30	0.5		
A0154189		2.85	9	314	28	257	409	58	5.54	0.5		
A0154190		2.60	7	217	39	184	350	51	5.36	0.5		
A0154191		2.53	8	143	20	213	166	33	2.11	<0.5		
A0154192		2.71	32	153	28	280	178	37	2.19	<0.5		
A0154193		2.06	8	214	23	153	296	41	3.46	<0.5		
A0154194		2.31	7	125	29	98	346	54	6.21	<0.5		
A0154195		2.04	33	318	43	314	353	54	5.13	0.5		
A0154196		1.82	26	130	52	309	401	68	6.63	0.5		
A0154197		1.17	9	85	24	135	304	55	5.79	<0.5		
A0154198		2.86	15	476	125	102	478	57	7.06	<0.5		
A0154199		2.53	148	1280	120	714	785	55	5.28	<0.5		
A0154200		2.48	61	910	194	405	591	55	5.95	<0.5		
A0154201		2.59	39	851	84	391	762	55	5.78	<0.5		
A0154202		0.07	78	602	295	4850	4620	123	4.18	2.4		

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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			