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: 14-AUG-2019
Account: MZI

CERTIFICATE TB19183340

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
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 TB19183340

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
A0153969		1.11	1	3	<5				2	2	<1	13.25	<0.5		
A0153970		0.07	5370	2020	1320				88	86	61	0.25	0.8		
A0153971		1.92	147	>10000	721	180	10650	770	14	453	46	4.81	<0.5		
A0153972		2.13	21	1580	130				27	195	30	2.78	<0.5		
A0153973		2.24	12	175	20				37	270	51	4.80	<0.5		
A0153974		2.33	12	819	69				67	243	39	3.77	<0.5		
A0153975		2.27	7	53	9				46	322	54	5.52	<0.5		
A0153976		2.51	18	69	12				103	358	63	6.17	<0.5		
A0153977		2.10	12	62	7				66	305	52	5.10	<0.5		
A0153978		2.37	7	46	<5				68	276	49	4.69	<0.5		
A0153979		2.33	7	31	<5				61	238	45	3.88	<0.5		
A0153980		2.23	18	81	13				115	333	55	5.17	<0.5		
A0153981		2.30	19	97	19				114	352	56	5.56	<0.5		
A0153982		2.45	13	33	<5				65	268	45	4.22	<0.5		
A0153983		2.07	7	20	<5				43	271	48	4.74	<0.5		
A0153984		2.22	19	56	5				121	197	38	3.19	<0.5		
A0153985		2.04	22	84	16				127	264	45	4.44	<0.5		
A0153986		2.42	23	88	19				131	350	58	5.76	<0.5		
A0153987		2.19	29	233	52				147	330	57	5.42	<0.5		
A0153988		2.26	11	164	35				68	310	56	5.25	<0.5		
A0153989		0.07	72	603	317				4500	4260	112	3.90	2.0		
A0153990		2.08	8	74	15				66	303	48	4.69	<0.5		
A0153991		2.19	30	321	45				206	381	55	5.64	<0.5		
A0153992		2.48	52	216	26				291	367	58	5.68	<0.5		
A0153993		2.22	68	156	23				526	460	57	5.49	<0.5		
A0153994		2.25	89	105	26				654	553	63	6.00	<0.5		
A0153995		2.19	556	>10000	465	520	9740	440	663	1020	48	5.05	<0.5		
A0153996		2.58	43	2030	108				170	415	46	5.09	<0.5		
A0153997		2.27	82	513	43				469	377	53	5.46	<0.5		
A0153998		2.41	223	1970	181				871	683	62	5.11	<0.5		
A0153999		2.14	229	5250	421				646	571	56	5.19	<0.5		
A0154000		2.36	447	>10000	722	500	12600	720	1180	932	71	6.07	0.6		
A0154001		2.25	665	>10000	798	490	15150	760	1810	1015	62	3.61	0.9		
A0154002		2.31	654	>10000	957	660	20600	940	1750	1325	77	5.50	0.7		
A0154003		2.36	370	7940	580				1440	975	64	4.65	0.5		
A0154004		2.28	318	9690	634				1130	853	68	4.99	0.5		
A0154005		2.01	301	>10000	604	270	14700	600	601	592	60	4.34	<0.5		
A0154006		2.38	97	1480	113				304	459	71	7.07	<0.5		
A0154007		2.16	270	6210	358				784	755	85	7.81	<0.5		
A0154008		2.39	462	>10000	718	660	15100	720	774	1185	77	7.40	0.6		

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Finalized Date: 14-AUG-2019
Account: MZI

Project: 18-101

CERTIFICATE OF ANALYSIS TB19183340

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
A0154009		1.42	1	22	<5				3	<1	<1	12.70	<0.5		
A0154010		2.14	27	186	19				101	299	46	4.82	<0.5		
A0154011		2.26	56	442	39				252	378	57	5.26	<0.5		
A0154012		2.05	8	15	<5				40	250	53	4.92	<0.5		
A0154013		2.25	15	76	27				93	289	55	4.95	<0.5		
A0154014		2.24	13	102	25				77	323	61	5.68	<0.5		
A0154015		2.17	10	64	15				77	258	47	4.11	<0.5		
A0154016		2.16	4	17	<5				41	273	54	4.95	<0.5		
A0154017		2.23	9	21	6				82	294	53	4.90	<0.5		
A0154018		2.23	8	3	<5				95	303	55	5.11	<0.5		
A0154019		2.23	5	42	9				62	291	53	4.79	<0.5		
A0154020		2.06	11	61	14				89	318	50	4.66	<0.5		
A0154021		2.21	2	93	<5				24	253	47	4.26	<0.5		
A0154022		2.12	<1	62	<5				22	239	52	4.68	<0.5		
A0154023		2.20	1	42	9				18	263	57	5.37	<0.5		
A0154024		2.12	1	84	12				16	254	53	4.99	<0.5		
A0154025		2.19	1	38	<5				13	287	55	5.12	<0.5		
A0154026		2.20	42	69	14				391	381	57	4.92	<0.5		
A0154027		2.46	79	185	32				1190	593	63	4.69	0.6		
A0154028		2.16	3	7	<5				64	214	43	3.90	<0.5		
A0154029		0.12	255	3440	799				>10000	>10000	1010	4.13	4.6	15950	43400
A0154030		2.31	10	21	6				132	269	46	3.90	<0.5		
A0154031		2.05	16	10	<5				209	147	41	2.93	<0.5		
A0154032		2.28	47	65	15				755	427	58	4.90	<0.5		
A0154033		2.10	122	511	101				748	770	53	4.93	<0.5		
A0154034		2.08	12	138	46				164	352	36	4.28	<0.5		
A0154035		1.76	55	327	68				458	510	45	4.49	<0.5		
A0154036		1.97	17	93	33				163	296	41	4.75	<0.5		
A0154037		2.06	34	223	47				418	383	44	4.34	<0.5		
A0154038		2.24	64	550	93				675	726	52	4.60	<0.5		
A0154039		2.15	58	342	75				584	632	51	4.60	<0.5		
A0154040		1.98	109	408	89				906	752	59	4.97	<0.5		
A0154041		2.11	153	658	114				1090	1170	68	5.43	1.4		
A0154042		1.92	51	247	66				453	422	43	4.13	<0.5		
A0154043		2.10	8	90	41				97	217	36	4.13	<0.5		
A0154044		2.00	13	154	49				148	318	38	4.35	0.5		
A0154045		2.07	43	959	172				403	1230	71	4.46	1.0		
A0154046		0.07	91	609	298				4460	4380	114	4.17	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		