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: 27-JUL-2019
Account: MZI

CERTIFICATE TB19163060

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 4-JUL-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 TB19163060

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
A0153423		1.56	<1	<1	<5				1	<1	1	13.40	<0.5		
A0153424		0.07	4860	1960	1280				88	85	62	0.26	1.0		
A0153425		2.61	55	670	56				449	482	61	5.18	<0.5		
A0153426		2.79	123	1100	114				775	674	68	4.96	0.5		
A0153427		2.56	22	132	19				240	350	58	3.99	<0.5		
A0153428		2.64	57	252	42				548	437	62	3.38	<0.5		
A0153429		2.78	61	341	47				589	734	86	3.05	0.8		
A0153430		2.84	151	787	104				1210	764	62	3.49	0.6		
A0153431		2.36	186	706	114				1320	847	81	2.81	0.7		
A0153432		3.83	37	137	22				487	934	222	1.40	<0.5		
A0153433		4.04	18	109	18				358	1390	232	1.58	<0.5		
A0153434		3.70	13	86	12				367	767	234	1.43	<0.5		
A0153435		3.62	41	188	25				546	653	209	1.63	<0.5		
A0153436		2.70	11	84	12				168	294	65	3.97	<0.5		
A0153437		2.60	2	22	<5				54	242	65	4.62	<0.5		
A0153438		2.74	1	13	<5				44	271	61	5.44	<0.5		
A0153439		2.69	16	75	27				181	319	62	5.05	<0.5		
A0153440		2.57	9	49	20				143	286	54	5.12	<0.5		
A0153441		2.78	7	64	16				99	292	60	5.25	<0.5		
A0153442		2.75	2	55	10				44	193	45	3.62	<0.5		
A0153443		0.07	58	505	249				4430	4240	113	3.90	2.2		
A0153444		2.43	6	61	14				105	249	60	4.54	<0.5		
A0153445		2.73	5	70	17				110	211	60	4.28	<0.5		
A0153446		2.73	9	55	15				116	176	56	4.00	<0.5		
A0153447		2.69	19	41	7				66	259	53	4.71	<0.5		
A0153448		2.73	47	301	64				613	674	110	8.21	0.5		
A0153449		2.12	7	77	17				270	255	46	3.68	<0.5		
A0153450		1.95	8	297	46				213	250	40	3.01	<0.5		
A0153451		2.06	13	661	118				155	428	73	8.45	<0.5		
A0153452		2.40	95	625	135				965	895	100	9.49	0.7		
A0153453		2.80	19	378	91				175	392	75	8.75	<0.5		
A0153454		1.66	16	293	70				152	319	73	8.24	<0.5		
A0153455		2.55	111	764	106				499	614	73	6.95	0.5		
A0153456		2.33	77	1190	110				418	506	55	5.55	<0.5		
A0153457		2.68	1120	>10000	1790	1120	42200	1910	892	1040	86	8.68	0.8		
A0153458		2.40	444	>10000	912	460	26100	970	258	780	82	11.10	1.2		
A0153459		2.72	124	>10000	535	140	12900	550	55	648	74	10.60	<0.5		
A0153460		2.58	531	>10000	978	530	19500	1040	599	991	79	9.77	<0.5		
A0153461		2.65	89	3600	232				137	855	80	12.20	<0.5		
A0153462		2.85	31	1030	90				246	464	96	5.30	<0.5		

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Account: MZI

Project: 18-101

CERTIFICATE OF ANALYSIS TB19163060

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
A0153463		1.94	<1	12	<5				3	<1	2	13.30	<0.5		
A0153464		2.99	166	5590	529				970	771	73	5.93	0.8		
A0153465		2.05	6	100	13				145	132	26	2.42	<0.5		
A0153466		2.67	5	242	38				74	220	33	2.26	<0.5		
A0153467		2.70	7	282	43				86	260	35	2.49	<0.5		
A0153468		2.56	<1	18	<5				13	90	27	2.47	<0.5		
A0153469		2.68	4	986	57				45	158	35	3.50	<0.5		
A0153470		1.83	360	>10000	986	530	23700	1000	86	230	35	3.47	<0.5		
A0153471		1.70	12	196	26				127	460	87	8.38	<0.5		
A0153472		1.88	8	121	18				91	426	83	8.01	<0.5		
A0153473		2.70	19	143	31				162	375	90	9.29	<0.5		
A0153474		2.69	18	168	28				119	373	89	9.36	<0.5		
A0153475		2.61	43	794	54				249	431	98	10.00	<0.5		
A0153476		2.60	80	3060	160				302	522	82	8.39	<0.5		
A0153477		2.63	2	115	18				53	192	42	3.57	<0.5		
A0153478		2.59	6	69	16				98	324	84	8.50	<0.5		
A0153479		1.28	5	54	10				115	215	56	4.88	<0.5		
A0153480		2.27	4	16	<5				85	196	57	5.40	<0.5		
A0153481		2.32	3	15	<5				95	170	51	4.57	<0.5		
A0153482		2.24	7	31	<5				114	173	49	4.51	<0.5		
A0153483		0.12	213	3350	815				>10000	>10000	1000	4.10	4.4	15800	45000
A0153484		2.20	18	113	23				193	398	87	9.43	<0.5		
A0153485		2.23	26	83	18				119	344	83	9.18	<0.5		
A0153486		2.02	18	94	21				102	359	87	9.10	<0.5		
A0153487		2.15	11	91	20				128	414	96	11.15	<0.5		
A0153488		2.88	13	189	35				132	419	94	10.75	<0.5		
A0153489		1.55	2	36	8				43	150	38	3.83	<0.5		
A0153490		2.11	8	122	21				109	177	42	3.82	<0.5		
A0153491		2.17	4	24	6				61	149	40	4.14	<0.5		
A0153492		2.34	<1	82	<5				20	139	30	2.48	<0.5		
A0153493		2.37	<1	92	<5				20	158	32	2.80	<0.5		
A0153494		2.20	<1	99	<5				24	202	40	3.52	<0.5		
A0153495		2.27	1	105	<5				28	198	39	3.46	<0.5		
A0153496		2.22	<1	51	<5				15	180	37	3.25	<0.5		
A0153497		2.18	<1	94	<5				23	182	38	3.39	<0.5		
A0153498		2.16	1	42	<5				29	187	39	3.38	<0.5		
A0153499		2.22	200	2890	657				23	130	39	2.45	<0.5		
A0153500		0.07	80	600	276				4560	4430	117	4.20	2.1		

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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		