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-FEB-2019
Account: MZI

CERTIFICATE TB19024918

Project: 182449

P.O. No.: 18-101

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 31-JAN-2019.

The following have access to data associated with this certificate:

KAITLYN CHOVANCAK CLAIRE MCGUINNESS	DENIS DECHARTE DAVE PECK	GARY DESCHUTTER 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 TB19024918

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
A0125391		1.92	1	<1	<5				1	1	1	13.90	<0.5		
A0125392		0.08	4850	2050	1300				89	86	65	0.27	0.8		
A0125393		2.77	986	>10000	866	790	10700	820	4320	3340	110	1.16	1.8		
A0125394		2.61	659	7590	571				3320	2260	77	1.31	1.4		
A0125395		2.32	19	140	15				240	237	45	4.69	<0.5		
A0125396		1.77	186	1960	133				1210	796	45	2.39	0.5		
A0125397		2.22	460	4290	317				2050	1520	55	1.34	0.9		
A0125398		2.29	425	3190	253				1740	1340	53	2.70	0.6		
A0125399		2.31	397	3250	258				1400	1430	55	3.04	0.6		
A0125400		2.39	321	5240	422				2530	1705	55	0.72	1.7		
A0125401		2.43	585	8040	678				3640	2650	91	0.76	2.2		
A0125402		2.27	338	5170	405				2280	1940	75	1.36	1.5		
A0125403		2.28	198	3990	313				1685	1565	61	1.29	1.1		
A0125404		2.27	466	4250	343				1830	1635	68	1.55	0.8		
A0125405		2.30	707	5670	443				2430	1980	62	1.44	1.4		
A0125406		2.33	752	5090	408				2350	2060	59	1.68	1.0		
A0125407		2.28	1030	6400	507				3040	2430	67	1.86	1.6		
A0125408		2.25	194	699	83				568	549	51	4.44	<0.5		
A0125409		2.39	130	730	65				402	423	31	2.54	<0.5		
A0125410		3.24	148	584	59				847	529	33	2.04	0.5		
A0125411		0.08	95	594	309				4520	4310	116	4.02	1.9		
A0125412		2.50	5	32	<5				33	85	26	2.52	<0.5		
A0125413		3.16	6	18	<5				47	63	23	2.05	<0.5		
A0125414		1.96	12	106	9				41	37	11	1.04	<0.5		
A0125415		2.27	13	18	<5				89	26	12	0.94	<0.5		
A0125416		2.34	18	61	7				184	116	29	2.07	<0.5		
A0125417		2.44	6	39	<5				81	145	44	3.55	<0.5		
A0125418		2.53	3	<1	<5				86	173	55	4.45	<0.5		
A0125419		2.47	1	6	<5				74	182	56	4.74	<0.5		
A0125420		2.35	3	10	<5				78	180	50	4.42	<0.5		
A0125421		2.34	3	<1	<5				111	170	52	4.44	<0.5		
A0125422		2.53	6	2	<5				133	199	54	4.93	<0.5		
A0125423		2.34	4	3	<5				72	195	47	4.77	<0.5		
A0125424		2.47	47	938	75				273	427	50	4.21	<0.5		
A0125425		2.50	35	216	12				209	281	48	4.56	<0.5		
A0125426		2.36	17	69	<5				291	174	39	3.72	<0.5		
A0125427		2.30	10	135	12				109	209	53	4.48	<0.5		
A0125428		2.55	6	5	<5				113	195	46	4.37	<0.5		
A0125429		2.45	4	46	10				61	265	48	5.92	<0.5		
A0125430		2.30	5	10	<5				89	309	57	7.95	<0.5		

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Finalized Date: 14-FEB-2019
Account: MZI

Project: 182449

CERTIFICATE OF ANALYSIS TB19024918

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
A0125431		1.89	<1	<1	<5				3	1	<1	13.70	<0.5		
A0125432		2.49	3	8	<5				51	336	62	9.11	<0.5		
A0125433		2.61	5	9	<5				69	360	64	9.28	<0.5		
A0125434		2.43	28	151	12				137	435	64	8.46	<0.5		
A0125435		2.46	6	17	<5				162	221	50	4.53	<0.5		
A0125436		2.38	2	2	<5				88	195	48	4.38	<0.5		
A0125437		2.35	<1	<1	<5				80	205	50	4.69	<0.5		
A0125438		2.25	1	<1	<5				84	207	51	4.91	<0.5		
A0125439		2.37	<1	<1	<5				84	195	51	4.77	<0.5		
A0125440		2.25	<1	<1	<5				72	178	52	4.61	<0.5		
A0125441		2.48	1	2	<5				82	178	50	4.66	<0.5		
A0125442		2.30	1	<1	<5				118	183	53	4.62	<0.5		
A0125443		2.26	1	<1	<5				104	192	47	4.57	<0.5		
A0125444		2.33	5	114	6				116	223	52	4.60	<0.5		
A0125445		2.36	3	11	<5				78	162	51	4.30	<0.5		
A0125446		2.37	1	<1	<5				93	192	58	4.62	<0.5		
A0125447		2.35	8	12	<5				188	304	69	4.75	<0.5		
A0125448		2.38	3	42	<5				73	172	47	4.25	<0.5		
A0125449		2.10	5	15	<5				162	181	49	4.58	<0.5		
A0125450		2.45	3	6	<5				114	213	48	4.68	<0.5		
A0125451		0.08	228	3380	807				>10000	>10000	933	3.91	4.0	16500	46300
A0125452		2.33	7	19	<5				139	218	47	4.81	<0.5		
A0125453		2.34	10	143	16				142	268	48	4.83	<0.5		
A0125454		2.24	11	38	6				72	206	42	4.61	<0.5		
A0125455		2.30	1	<1	<5				92	208	44	4.39	<0.5		
A0125456		2.29	2	<1	<5				91	231	51	5.10	<0.5		
A0125457		2.53	4	3	<5				110	254	51	5.16	<0.5		
A0125458		2.33	2	<1	<5				105	256	51	4.95	<0.5		
A0125459		2.13	3	<1	<5				111	277	51	5.03	<0.5		
A0125460		2.47	3	8	<5				124	260	51	4.97	<0.5		
A0125461		2.51	4	41	<5				51	201	42	5.04	<0.5		
A0125462		2.35	25	2	<5				711	275	84	3.95	<0.5		
A0125463		2.05	2	<1	<5				83	107	33	2.81	<0.5		
A0125464		2.79	3	26	<5				87	214	49	4.88	<0.5		
A0125465		1.84	2	<1	<5				81	197	51	5.09	<0.5		
A0125466		2.41	<1	6	<5				47	197	46	5.08	<0.5		
A0125467		2.27	3	203	19				81	253	48	5.31	<0.5		
A0125468		0.08	132	625	327				4320	4190	111	3.92	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		