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: 21-JUN-2019
Account: MZI

CERTIFICATE TB19139994

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 8-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
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 TB19139994

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
A0161397		1.37	1	<1	<5	2	2	2	12.90	<0.5		
A0161398		0.07	4550	2080	1340	84	85	64	0.26	0.8		
A0161399		1.83	3	7	<5	24	314	62	5.40	<0.5		
A0161400		2.07	4	2	<5	88	70	41	2.25	<0.5		
A0161401		2.40	4	2	<5	133	94	42	2.37	<0.5		
A0161402		2.27	3	5	5	59	225	56	4.50	<0.5		
A0161403		1.82	1	10	<5	19	309	57	5.10	<0.5		
A0161404		2.60	1	16	<5	12	324	54	5.14	<0.5		
A0161405		2.66	5	11	<5	119	242	62	4.01	<0.5		
A0161406		1.97	1	13	<5	11	369	64	5.91	<0.5		
A0161407		3.47	1	27	5	11	315	55	4.97	<0.5		
A0161408		1.85	1	9	<5	7	335	53	5.22	<0.5		
A0161409		3.01	<1	24	5	12	222	45	4.12	<0.5		
A0161410		3.24	2	57	7	39	332	64	3.78	<0.5		
A0161411		2.79	4	45	<5	94	475	81	2.72	<0.5		
A0161412		2.92	1	61	<5	8	724	88	2.54	<0.5		
A0161413		2.97	1	72	<5	10	721	86	2.30	<0.5		
A0161414		2.96	1	62	<5	8	808	91	2.26	<0.5		
A0161415		2.82	2	61	<5	5	607	76	2.15	<0.5		
A0161416		2.85	3	44	<5	38	625	90	2.15	<0.5		
A0161417		0.07	85	594	301	4560	4500	115	4.06	2.0		
A0161418		2.91	3	42	<5	28	527	79	2.19	<0.5		
A0161419		2.23	7	17	<5	175	319	92	2.71	<0.5		
A0161420		3.53	<1	54	<5	48	436	70	2.00	<0.5		
A0161421		3.05	1	52	<5	12	739	98	2.30	<0.5		
A0161422		2.67	1	35	<5	6	562	84	2.09	<0.5		
A0161423		2.47	1	34	<5	9	534	86	2.43	<0.5		
A0161424		2.27	1	33	<5	6	527	87	2.49	<0.5		
A0161425		2.31	1	37	<5	8	478	80	2.56	<0.5		
A0161426		2.48	1	32	<5	6	684	110	3.29	<0.5		
A0161427		2.54	<1	24	<5	5	737	117	3.28	<0.5		
A0161428		2.14	2	44	<5	20	420	76	3.00	<0.5		
A0161429		2.18	1	40	<5	16	257	50	2.57	<0.5		
A0161430		2.39	<1	39	<5	8	250	50	2.42	<0.5		
A0161431		2.23	<1	37	<5	10	254	47	2.01	<0.5		
A0161432		2.33	<1	32	<5	9	554	92	3.28	<0.5		
A0161433		2.42	<1	25	<5	10	546	93	3.33	<0.5		
A0161434		2.35	<1	23	<5	9	639	102	3.12	<0.5		
A0161435		2.42	1	27	<5	12	445	74	2.60	<0.5		
A0161436		2.34	3	35	<5	7	472	76	2.47	<0.5		

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Finalized Date: 21-JUN-2019
Account: MZI

Project: 18-101

CERTIFICATE OF ANALYSIS TB19139994

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
A0161437		2.09	1	<1	<5	1	<1	1	13.60	<0.5		
A0161438		2.38	<1	50	<5	8	494	85	2.33	<0.5		
A0161439		2.26	<1	47	<5	11	295	49	2.02	<0.5		
A0161440		2.27	1	52	<5	10	283	48	2.09	<0.5		
A0161441		2.19	1	52	<5	11	269	44	1.96	<0.5		
A0161442		2.28	<1	52	<5	8	330	53	2.32	<0.5		
A0161443		2.00	<1	47	<5	10	354	53	2.35	<0.5		
A0161444		1.41	2	<1	<5	48	39	24	1.36	<0.5		
A0161445		2.21	2	51	<5	16	394	58	2.38	<0.5		
A0161446		1.72	1	1	<5	35	30	31	1.45	<0.5		
A0161447		2.08	2	<1	<5	61	37	29	1.67	<0.5		
A0161448		2.47	6	3	<5	137	72	33	1.93	<0.5		
A0161449		2.28	3	43	<5	94	389	47	1.94	<0.5		
A0161450		1.78	1	6	<5	29	113	18	1.76	<0.5		
A0161451		1.97	7	23	<5	75	285	221	2.85	<0.5		
A0161452		2.71	4	53	<5	87	284	76	3.26	<0.5		
A0161453		2.75	1	18	<5	30	173	56	2.72	<0.5		
A0161454		1.61	4	8	<5	66	90	136	1.67	<0.5		
A0161455		1.74	9	<1	<5	201	42	30	1.62	<0.5		
A0161456		2.23	8	3	<5	171	52	28	1.61	<0.5		
A0161457		0.08	272	3370	778	>10000	>10000	928	3.95	4.1	16100	45800
A0161458		2.13	1	72	6	19	157	31	2.21	<0.5		
A0161459		2.19	1	61	<5	11	133	29	1.98	<0.5		
A0161460		2.14	1	50	<5	25	188	35	2.65	<0.5		
A0161461		2.25	1	43	<5	9	167	38	2.66	<0.5		
A0161462		2.20	1	36	<5	11	234	49	3.90	<0.5		
A0161463		2.19	1	27	<5	14	172	40	2.90	<0.5		
A0161464		2.18	2	40	<5	38	161	42	2.76	<0.5		
A0161465		2.22	2	82	31	18	162	38	2.80	<0.5		
A0161466		2.13	3	77	31	47	191	47	3.25	<0.5		
A0161467		2.10	1	111	43	15	242	52	3.75	<0.5		
A0161468		2.22	2	161	53	12	180	39	2.82	<0.5		
A0161469		2.23	3	214	65	14	195	42	3.06	<0.5		
A0161470		2.29	3	213	64	14	193	41	3.04	<0.5		
A0161471		2.30	3	281	78	11	192	41	2.98	<0.5		
A0161472		2.14	4	258	73	15	189	40	2.97	<0.5		
A0161473		2.23	3	195	69	15	186	63	2.95	<0.5		
A0161474		0.07	60	587	298	4350	4210	109	3.90	1.7		

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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			