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: 10-JUL-2019
Account: MZI

CERTIFICATE TB19152570

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 23-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 TB19152570

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
A0153111		1.61	1	1	<5	2	3	<1	12.90	<0.5		
A0153112		0.08	4740	2010	1290	86	82	60	0.26	0.8		
A0153113		2.77	<1	45	<5	1	770	116	2.81	<0.5		
A0153114		2.38	<1	50	<5	5	580	82	2.52	<0.5		
A0153115		2.55	<1	49	<5	3	732	100	3.02	<0.5		
A0153116		2.65	<1	51	<5	2	713	102	3.13	<0.5		
A0153117		2.54	<1	58	<5	3	778	103	2.84	<0.5		
A0153118		2.65	<1	69	5	10	532	74	1.87	<0.5		
A0153119		2.85	<1	67	<5	8	621	86	2.05	<0.5		
A0153120		2.53	<1	56	<5	5	714	96	2.24	<0.5		
A0153121		2.58	<1	59	<5	6	714	97	2.78	<0.5		
A0153122		2.66	1	83	5	24	706	101	2.79	<0.5		
A0153123		2.68	<1	58	<5	8	713	103	2.58	<0.5		
A0153124		2.57	1	61	<5	25	608	88	2.23	<0.5		
A0153125		2.72	<1	59	<5	8	646	94	2.48	<0.5		
A0153126		2.65	<1	59	<5	46	747	104	2.79	<0.5		
A0153127		2.51	<1	51	<5	20	516	81	2.14	<0.5		
A0153128		2.53	1	82	<5	36	475	76	1.88	<0.5		
A0153129		2.45	<1	65	<5	16	502	81	1.97	<0.5		
A0153130		2.72	<1	44	<5	9	508	80	2.04	<0.5		
A0153131		0.07	59	609	320	4400	4140	107	3.90	2.1		
A0153132		2.69	<1	40	<5	10	500	80	2.29	<0.5		
A0153133		2.49	<1	40	<5	4	601	90	2.15	<0.5		
A0153134		2.85	1	51	<5	6	640	93	2.23	<0.5		
A0153135		2.57	<1	44	<5	16	491	75	2.60	<0.5		
A0153136		2.52	<1	36	<5	3	624	92	2.54	<0.5		
A0153137		2.76	<1	32	<5	2	623	90	2.42	<0.5		
A0153138		2.54	<1	30	<5	8	643	93	2.78	<0.5		
A0153139		2.15	<1	21	<5	24	473	69	2.82	<0.5		
A0153140		2.59	<1	22	<5	9	526	79	2.55	<0.5		
A0153141		2.08	1	24	<5	11	369	60	3.01	<0.5		
A0153142		2.46	1	36	<5	30	370	60	3.64	<0.5		
A0153143		2.15	1	32	<5	35	400	64	3.91	<0.5		
A0153144		2.74	1	28	<5	22	337	59	3.34	<0.5		
A0153145		2.25	<1	28	<5	6	359	62	3.36	<0.5		
A0153146		2.58	<1	28	<5	7	341	60	3.12	<0.5		
A0153147		2.04	<1	24	<5	6	276	54	2.37	<0.5		
A0153148		2.27	<1	32	<5	11	364	65	2.89	<0.5		
A0153149		2.45	<1	33	<5	7	390	67	2.93	<0.5		
A0153150		2.30	1	29	<5	13	361	64	2.90	<0.5		

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Finalized Date: 10-JUL-2019
Account: MZI

Project: 18-101

CERTIFICATE OF ANALYSIS TB19152570

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
A0153151		1.38	1	<1	<5	<1	2	1	13.35	<0.5		
A0153152		2.41	<1	31	<5	12	326	57	2.60	<0.5		
A0153153		2.42	<1	32	<5	11	323	53	2.48	<0.5		
A0153154		2.54	<1	33	<5	6	343	57	2.89	<0.5		
A0153155		2.21	<1	29	<5	11	342	62	2.69	<0.5		
A0153156		2.77	<1	26	<5	17	375	70	3.10	<0.5		
A0153157		2.40	<1	28	<5	13	385	66	2.86	<0.5		
A0153158		2.41	<1	51	<5	15	501	80	3.41	<0.5		
A0153159		2.33	5	80	7	64	433	84	3.90	<0.5		
A0153160		2.59	<1	26	<5	16	396	68	2.81	<0.5		
A0153161		2.40	<1	26	<5	3	490	80	3.11	<0.5		
A0153162		2.38	<1	26	<5	5	495	81	3.24	<0.5		
A0153163		2.66	<1	29	<5	4	510	83	3.24	<0.5		
A0153164		1.99	1	25	<5	7	505	84	3.07	<0.5		
A0153165		2.67	<1	21	<5	14	483	67	6.00	<0.5		
A0153166		2.08	<1	28	<5	16	316	64	3.27	<0.5		
A0153167		2.27	<1	28	<5	10	350	70	4.01	<0.5		
A0153168		2.18	<1	54	<5	6	373	71	3.91	<0.5		
A0153169		2.34	<1	79	<5	8	336	62	3.60	<0.5		
A0153170		2.20	1	96	<5	12	243	44	2.92	<0.5		
A0153171		0.08	219	3190	721	>10000	>10000	897	3.80	4.2	16250	47100
A0153172		2.23	<1	41	<5	23	328	63	3.68	<0.5		
A0153173		2.38	1	18	<5	19	199	51	3.11	<0.5		
A0153174		2.19	<1	37	<5	9	118	32	2.09	<0.5		
A0153175		2.13	<1	42	<5	10	226	46	2.91	<0.5		
A0153176		2.34	<1	36	<5	8	308	60	3.65	<0.5		
A0153177		2.32	<1	43	<5	7	328	63	3.92	<0.5		
A0153178		2.32	65	40	10	623	909	101	3.96	0.5		
A0153179		2.38	75	102	82	364	1145	106	3.86	<0.5		
A0153180		2.53	1	59	40	20	1235	131	1.55	<0.5		
A0153181		2.39	1	77	62	30	1035	109	2.32	<0.5		
A0153182		2.45	1	58	27	22	937	104	2.67	<0.5		
A0153183		2.37	1	57	49	18	974	110	2.79	<0.5		
A0153184		2.40	34	33	32	1025	737	133	4.56	0.6		
A0153185		2.50	6	3	<5	411	266	160	3.12	<0.5		
A0153186		2.51	173	7130	609	510	627	67	6.57	<0.5		
A0153187		2.38	122	5600	440	348	468	59	6.94	<0.5		
A0153188		0.07	72	595	300	4210	4080	106	3.82	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			