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: 23-OCT-2019
Account: MZI

CERTIFICATE TB19247030

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 1-OCT-2019.

The following have access to data associated with this certificate:

MATT BODNAR DENIS DECHARTE LDIM WEBTRIEVE	KAITLYN CHOVANCAK CLAIRE MCGUINNESS	SAM DAVIES DAVE PECK

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:

Saa Traxler, General Manager, North Vancouver

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CERTIFICATE OF ANALYSIS TB19247030

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
PP19-101093		1.41	<1	<1	<5	1	<1	2	13.10	<0.5		
PP19-101094		0.07	4910	2010	1290	86	85	63	0.26	0.9		
PP19-101095		2.33	52	684	171	419	571	46	4.28	<0.5		
PP19-101096		2.03	42	387	65	365	436	47	4.86	<0.5		
PP19-101097		2.35	42	328	61	265	461	57	6.18	<0.5		
PP19-101098		2.42	174	527	89	587	607	59	5.75	<0.5		
PP19-101099		2.33	32	145	29	230	330	44	4.61	<0.5		
PP19-101100		2.19	69	719	144	375	518	58	5.88	<0.5		
PP19-101101		2.20	53	951	180	381	506	37	3.27	<0.5		
PP19-101102		2.31	89	1140	194	694	679	42	3.72	0.6		
PP19-101103		2.28	13	173	40	133	425	57	6.43	<0.5		
PP19-101104		2.31	53	321	41	306	488	53	5.72	<0.5		
PP19-101105		2.36	53	528	98	340	538	59	6.08	<0.5		
PP19-101106		2.38	59	541	147	452	586	61	6.42	<0.5		
PP19-101107		2.44	29	110	27	426	449	56	6.09	<0.5		
PP19-101108		2.30	32	451	117	318	560	55	5.37	<0.5		
PP19-101109		2.33	49	417	118	332	567	64	6.83	<0.5		
PP19-101110		2.39	198	1040	169	1155	1070	72	6.15	0.9		
PP19-101111		2.48	122	965	165	755	753	66	6.01	0.6		
PP19-101112		2.44	87	382	69	542	554	53	4.90	<0.5		
PP19-101113		0.07	100	639	323	4410	4300	111	3.92	2.2		
PP19-101114		2.29	13	77	17	129	340	57	6.12	<0.5		
PP19-101115		2.17	11	140	41	99	385	48	5.06	<0.5		
PP19-101116		2.43	22	184	42	234	466	52	5.57	<0.5		
PP19-101117		2.44	55	694	83	530	702	55	5.49	<0.5		
PP19-101118		2.36	24	387	53	266	461	51	5.63	<0.5		
PP19-101119		1.94	4	205	84	42	296	37	4.19	<0.5		
PP19-101120		2.45	37	349	71	651	448	57	6.03	0.5		
PP19-101121		2.31	10	98	30	209	386	49	5.19	<0.5		
PP19-101122		2.29	14	343	72	297	360	41	4.72	<0.5		
PP19-101123		2.36	5	219	62	69	307	41	4.98	<0.5		
PP19-101124		2.49	7	80	25	79	297	45	5.56	<0.5		
PP19-101125		2.41	29	488	112	276	380	45	5.03	<0.5		
PP19-101126		2.04	3	263	68	131	285	37	4.91	<0.5		
PP19-101127		1.82	12	268	67	298	401	46	4.86	<0.5		
PP19-101128		1.99	35	488	100	519	583	63	6.30	<0.5		
PP19-101129		2.53	107	535	75	1040	732	66	5.69	<0.5		
PP19-101130		2.47	48	880	126	561	702	56	4.94	0.6		
PP19-101131		2.47	6	247	70	91	305	32	3.42	<0.5		
PP19-101132		2.29	12	184	44	197	283	38	4.15	<0.5		

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Finalized Date: 23-OCT-2019
Account: MZI

Project: 18-101

CERTIFICATE OF ANALYSIS TB19247030

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
PP19-101133		1.89	1	2	<5	<1	1	1	13.30	<0.5		
PP19-101134		2.17	5	261	76	63	241	28	3.13	<0.5		
PP19-101135		2.22	3	105	55	52	199	26	2.79	<0.5		
PP19-101136		2.37	7	590	90	181	314	34	3.33	<0.5		
PP19-101137		2.47	9	268	69	128	271	31	3.24	<0.5		
PP19-101138		2.49	<1	108	49	24	196	25	3.05	<0.5		
PP19-101139		2.37	11	227	46	144	332	42	4.91	<0.5		
PP19-101140		2.30	24	243	42	336	434	49	5.72	<0.5		
PP19-101141		2.36	19	479	82	214	347	41	4.64	<0.5		
PP19-101142		2.31	11	151	58	131	291	38	3.94	<0.5		
PP19-101143		2.35	26	1060	167	237	445	42	4.21	<0.5		
PP19-101144		2.25	9	324	72	163	392	47	5.37	<0.5		
PP19-101145		1.68	1	89	21	117	132	23	2.28	0.6		
PP19-101146		1.71	<1	7	5	35	38	16	1.21	<0.5		
PP19-101147		1.71	3	122	33	95	356	47	5.99	<0.5		
PP19-101148		1.78	18	294	72	348	522	59	6.34	<0.5		
PP19-101149		2.32	24	163	48	164	409	54	6.45	<0.5		
PP19-101150		2.37	25	233	62	166	427	53	6.19	<0.5		
PP19-101151		2.27	12	195	47	106	351	48	5.69	<0.5		
PP19-101152		2.30	32	314	76	263	452	58	6.74	<0.5		
PP19-101153		0.12	224	3380	807	>10000	>10000	948	4.01	3.9	16350	47200
PP19-101154		2.24	11	222	44	220	402	52	5.91	<0.5		
PP19-101155		2.23	12	197	32	153	436	52	6.15	<0.5		
PP19-101156		2.33	12	136	30	115	391	53	6.67	<0.5		
PP19-101157		2.23	6	91	32	78	337	52	5.83	<0.5		
PP19-101158		2.30	7	72	22	86	282	46	5.17	<0.5		
PP19-101159		2.24	15	95	28	212	321	48	5.74	<0.5		
PP19-101160		2.21	14	102	21	153	338	48	5.56	<0.5		
PP19-101161		2.21	12	189	55	173	370	46	5.68	<0.5		
PP19-101162		2.22	16	127	24	154	402	48	5.50	<0.5		
PP19-101163		2.40	9	67	13	104	287	48	5.24	<0.5		
PP19-101164		2.24	7	57	18	85	313	48	5.69	<0.5		
PP19-101165		2.29	13	130	38	163	372	53	6.23	<0.5		
PP19-101166		2.25	9	65	17	179	303	48	5.10	<0.5		
PP19-101167		2.19	14	80	23	142	346	52	5.95	<0.5		
PP19-101168		2.29	27	291	51	227	405	48	5.12	<0.5		
PP19-101169		2.32	11	77	14	117	324	48	5.32	<0.5		
PP19-101170		0.07	69	616	288	4490	4340	116	3.97	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			