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: 29-JUL-2019
Account: MZI

CERTIFICATE TB19165916

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 7-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
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 TB19165916

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
X101701		1.56	<1	<1	<5	1	3	1	13.35	<0.5		
X101702		0.07	4560	2010	1280	88	88	60	0.26	0.9		
X101703		1.50	1	17	7	25	122	32	3.39	<0.5		
X101704		1.53	1	16	<5	25	126	33	3.43	<0.5		
X101705		2.52	1	18	5	32	140	34	3.26	<0.5		
X101706		2.42	4	16	5	68	161	36	3.82	<0.5		
X101707		2.02	33	1310	124	344	390	47	3.68	0.5		
X101708		2.01	56	1800	169	315	432	52	3.78	<0.5		
X101709		2.51	11	260	34	106	380	82	8.35	<0.5		
X101710		2.65	17	124	23	168	332	65	6.33	<0.5		
X101711		2.22	9	80	14	86	237	50	4.90	<0.5		
X101712		2.49	10	80	13	123	265	56	5.53	<0.5		
X101713		2.04	9	65	12	85	272	57	5.81	<0.5		
X101714		2.07	8	66	13	65	250	53	5.46	<0.5		
X101715		2.69	18	103	17	183	317	61	6.05	<0.5		
X101716		1.85	44	340	57	336	510	76	7.27	<0.5		
X101717		2.96	21	162	28	202	394	70	6.92	<0.5		
X101718		2.25	20	190	31	171	412	72	7.12	<0.5		
X101719		2.12	17	220	36	243	498	83	8.41	<0.5		
X101720		2.11	1	48	7	57	151	29	2.48	<0.5		
X101721		0.07	94	597	302	4420	4230	111	3.84	2.3		
X101722		2.13	13	99	19	123	350	71	7.23	<0.5		
X101723		2.25	17	187	37	156	464	81	8.51	<0.5		
X101724		2.38	32	275	48	258	456	70	6.85	<0.5		
X101725		1.94	5	30	7	49	203	38	3.90	<0.5		
X101726		1.85	12	210	36	110	350	61	6.14	<0.5		
X101727		3.00	30	334	59	219	503	85	8.24	<0.5		
X101728		1.65	16	128	25	97	471	95	10.20	<0.5		
X101729		1.78	11	201	29	98	465	83	9.43	<0.5		
X101730		1.59	14	87	20	99	472	95	10.20	<0.5		
X101731		2.50	9	43	11	67	462	98	10.45	<0.5		
X101732		2.60	14	98	21	100	479	98	10.35	<0.5		
X101733		2.52	23	160	33	163	496	96	9.98	<0.5		
X101734		2.66	26	234	40	169	542	104	10.75	<0.5		
X101735		2.67	24	192	35	170	476	95	9.75	<0.5		
X101736		2.44	22	177	34	144	448	91	9.14	<0.5		
X101737		2.45	25	138	26	117	387	79	7.99	<0.5		
X101738		2.38	21	190	38	164	479	90	9.71	<0.5		
X101739		2.06	21	132	26	126	296	59	5.84	<0.5		
X101740		2.27	13	98	22	119	435	91	9.41	<0.5		

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CERTIFICATE OF ANALYSIS TB19165916

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
X101741		1.70	<1	<1	<5	2	3	1	13.05	<0.5		
X101742		2.50	9	98	22	93	435	88	9.35	<0.5		
X101743		2.88	13	92	21	115	449	90	9.54	<0.5		
X101744		2.31	13	105	22	115	454	91	9.50	<0.5		
X101745		2.21	12	151	29	114	450	89	9.27	<0.5		
X101746		2.30	12	85	17	104	430	86	9.14	<0.5		
X101747		2.22	18	140	28	134	474	94	9.64	<0.5		
X101748		2.57	8	71	19	93	451	106	10.25	<0.5		
X101749		2.34	5	126	24	107	356	85	7.87	<0.5		
X101750		2.41	20	220	40	179	495	98	9.49	<0.5		
X101751		2.45	38	288	54	242	577	104	10.40	<0.5		
X101752		2.45	35	252	48	214	539	105	10.30	<0.5		
X101753		2.26	20	131	25	135	579	84	10.20	<0.5		
X101754		2.16	11	68	17	103	400	70	8.82	<0.5		
X101755		2.09	12	109	20	86	413	80	8.49	<0.5		
X101756		2.48	28	379	65	220	529	96	9.58	<0.5		
X101757		2.45	19	140	25	170	357	65	6.71	<0.5		
X101758		2.38	20	140	27	156	450	91	9.03	<0.5		
X101759		2.30	42	194	35	545	503	87	8.59	<0.5		
X101760		2.28	22	158	29	165	475	98	9.85	<0.5		
X101761		0.08	267	3390	792	>10000	>10000	949	3.86	4.0	16700	47300
X101762		2.54	12	67	17	134	519	103	10.65	<0.5		
X101763		2.17	10	76	17	108	370	75	7.75	<0.5		
X101764		2.04	17	77	14	115	261	52	5.10	<0.5		
X101765		2.07	28	211	37	193	419	76	7.47	<0.5		
X101766		2.14	21	136	25	136	401	82	7.84	<0.5		
X101767		2.08	27	242	46	185	470	93	8.47	<0.5		
X101768		0.99	6	97	16	60	242	49	4.47	<0.5		
X101769		1.09	3	65	7	37	219	47	4.20	<0.5		
X101770		2.19	2	41	<5	44	189	41	3.61	<0.5		
X101771		1.94	<1	43	<5	18	164	33	2.84	<0.5		
X101772		2.11	<1	38	<5	13	157	34	2.81	<0.5		
X101773		2.24	<1	18	<5	15	222	48	4.26	<0.5		
X101774		2.07	1	18	<5	24	313	66	6.29	<0.5		
X101775		2.08	1	21	<5	27	162	37	2.90	<0.5		
X101776		2.19	2	19	<5	46	177	39	3.13	<0.5		
X101777		2.27	2	30	<5	65	161	39	2.91	<0.5		
X101778		0.07	62	604	305	4410	4150	111	3.70	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			