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: 9-JUL-2019
Account: MZI

CERTIFICATE TB19150987

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 21-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 TB19150987

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
AC19-100001		0.84	1	<1	<5	1	2	<1	13.95	<0.5		
AC19-100002		0.08	4310	1920	1240	87	84	63	0.26	0.8		
AC19-100003		1.48	76	458	53	472	516	54	4.97	0.5		
AC19-100004		1.68	18	97	21	141	244	43	4.66	<0.5		
AC19-100005		2.48	16	51	18	153	229	42	4.46	<0.5		
AC19-100006		2.55	8	46	17	125	231	42	4.84	<0.5		
AC19-100007		2.40	15	343	31	217	303	49	4.57	<0.5		
AC19-100008		2.47	13	93	16	174	256	47	5.10	<0.5		
AC19-100009		2.56	12	112	18	123	237	47	4.85	<0.5		
AC19-100010		2.09	16	51	16	175	264	46	4.96	<0.5		
AC19-100011		2.45	7	7	5	110	243	46	5.20	<0.5		
AC19-100012		2.50	8	44	12	174	316	52	5.64	<0.5		
AC19-100013		2.28	14	21	7	247	331	50	4.94	<0.5		
AC19-100014		2.41	16	74	14	236	327	53	5.35	<0.5		
AC19-100015		2.40	21	165	22	221	285	45	4.74	<0.5		
AC19-100016		2.52	8	64	12	129	256	44	4.85	<0.5		
AC19-100017		2.45	11	21	8	138	267	50	5.35	<0.5		
AC19-100018		2.51	85	298	50	506	511	54	4.98	<0.5		
AC19-100019		2.61	14	24	7	278	374	49	5.63	<0.5		
AC19-100020		2.27	5	32	6	116	257	47	5.56	<0.5		
AC19-100021		0.07	88	595	325	4580	4400	114	4.06	1.9		
AC19-100022		2.39	15	122	16	203	279	53	5.78	<0.5		
AC19-100023		2.67	21	202	20	321	288	50	5.17	<0.5		
AC19-100024		2.45	46	299	41	488	481	59	5.68	<0.5		
AC19-100025		2.43	25	205	22	301	280	51	5.16	<0.5		
AC19-100026		2.58	24	218	22	320	258	30	2.33	<0.5		
AC19-100027		2.11	14	7	<5	462	341	34	1.56	<0.5		
AC19-100028		2.18	31	373	37	883	495	51	1.33	0.7		
AC19-100029		2.34	72	581	31	2070	418	83	1.53	1.9		
AC19-100030		2.36	10	432	20	510	392	50	1.09	<0.5		
AC19-100031		2.35	43	3340	260	1460	2190	180	2.33	0.8		
AC19-100032		2.71	46	5760	535	856	3180	331	3.10	<0.5		
AC19-100033		2.77	42	1020	91	883	1225	128	4.04	0.5		
AC19-100034		2.41	34	1180	108	914	1145	113	3.91	<0.5		
AC19-100035		2.25	23	1270	113	838	806	120	2.77	0.5		
AC19-100036		1.96	7	174	11	216	439	72	3.90	<0.5		
AC19-100037		2.38	12	430	34	460	614	65	2.24	<0.5		
AC19-100038		2.39	13	442	37	463	578	50	1.60	<0.5		
AC19-100039		2.37	7	21	<5	229	374	43	2.27	<0.5		
AC19-100040		2.57	17	268	15	659	1015	88	2.33	<0.5		

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Finalized Date: 9-JUL-2019
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Project: 18-101

CERTIFICATE OF ANALYSIS TB19150987

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
AC19-100041		1.12	<1	<1	<5	3	4	1	13.80	<0.5		
AC19-100042		2.25	10	116	10	483	701	65	1.92	<0.5		
AC19-100043		2.14	18	214	18	701	609	73	1.96	<0.5		
AC19-100044		2.19	22	226	15	750	580	73	1.85	0.5		
AC19-100045		2.37	13	105	9	248	77	17	1.30	<0.5		
AC19-100046		2.28	14	177	14	216	117	15	1.31	<0.5		
AC19-100047		2.36	21	144	14	269	102	18	1.41	<0.5		
AC19-100048		2.34	14	265	17	162	147	13	1.34	<0.5		
AC19-100049		2.34	11	181	14	92	96	11	1.51	<0.5		
AC19-100050		2.52	21	148	11	150	99	13	1.57	<0.5		
AC19-100051		2.19	12	220	17	108	160	27	2.56	<0.5		
AC19-100052		2.58	22	79	7	349	149	37	1.94	<0.5		
AC19-100053		2.40	15	424	31	285	189	40	1.91	<0.5		
AC19-100054		2.77	6	66	6	170	100	40	2.78	<0.5		
AC19-100055		2.57	7	3	<5	183	120	32	3.59	<0.5		
AC19-100056		2.55	47	677	56	256	484	53	6.19	<0.5		
AC19-100057		2.18	5	6	<5	97	262	38	4.57	<0.5		
AC19-100058		2.35	12	2	<5	260	198	37	4.70	<0.5		
AC19-100059		2.53	20	264	19	340	277	43	4.68	<0.5		
AC19-100060		2.44	1	<1	<5	92	127	41	4.77	<0.5		
AC19-100061		0.08	380	3520	829	>10000	>10000	935	3.95	3.9	16050	45100
AC19-100062		2.72	2	109	9	135	212	45	4.55	<0.5		
AC19-100063		2.50	7	123	11	229	244	52	5.04	<0.5		
AC19-100064		2.82	5	22	<5	234	231	52	4.71	<0.5		
AC19-100065		2.60	<1	<1	<5	40	109	40	4.61	<0.5		
AC19-100066		2.51	2	3	<5	71	120	46	5.02	<0.5		
AC19-100067		2.75	24	158	11	251	273	52	5.12	<0.5		
AC19-100068		2.68	4	13	<5	75	142	46	5.15	<0.5		
AC19-100069		2.71	3	82	5	96	149	36	3.63	<0.5		
AC19-100070		2.56	10	23	<5	151	234	49	5.01	<0.5		
AC19-100071		2.60	4	7	<5	70	204	43	5.02	<0.5		
AC19-100072		2.36	7	5	<5	89	240	47	5.26	<0.5		
AC19-100073		2.45	17	73	7	123	222	44	4.82	<0.5		
AC19-100074		2.58	21	200	16	160	262	49	5.05	<0.5		
AC19-100075		2.22	62	191	20	499	463	61	5.13	<0.5		
AC19-100076		2.47	48	546	69	282	330	52	4.80	<0.5		
AC19-100077		2.28	16	13	<5	176	200	50	5.13	<0.5		
AC19-100078		0.07	97	594	296	4520	4430	115	4.13	1.9		

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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			