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: 13-SEP-2019
Account: MZI

CERTIFICATE TB19211681

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-AUG-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:
Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS TB19211681

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
AC19-101171		1.65	3	1	<5	1	2	<1	13.10	<0.5		
AC19-101172		0.07	4860	1980	1260	93	87	63	0.27	1.3		
AC19-101173		2.36	64	342	45	446	522	56	5.73	<0.5		
AC19-101174		2.30	37	249	37	274	431	56	6.19	<0.5		
AC19-101175		2.41	30	201	30	318	403	52	5.55	<0.5		
AC19-101176		2.62	94	631	68	765	645	60	5.38	<0.5		
AC19-101177		2.51	123	568	76	909	598	58	5.61	0.5		
AC19-101178		2.51	18	145	23	123	310	46	5.47	<0.5		
AC19-101179		2.42	28	85	22	128	311	46	5.01	<0.5		
AC19-101180		2.61	11	53	16	86	207	39	3.78	<0.5		
AC19-101181		3.97	21	67	15	107	258	45	4.39	<0.5		
AC19-101182		1.17	8	256	24	233	92	16	0.94	<0.5		
AC19-101183		2.51	2	8	<5	23	10	3	0.32	<0.5		
AC19-101184		2.30	2	35	6	19	13	4	0.35	<0.5		
AC19-101185		2.23	1	3	<5	14	7	4	0.33	<0.5		
AC19-101186		2.09	1	2	<5	5	8	3	0.33	<0.5		
AC19-101187		2.28	14	3	<5	60	13	6	0.57	<0.5		
AC19-101188		2.11	12	47	11	163	298	38	4.03	<0.5		
AC19-101189		2.47	14	7	<5	340	353	39	3.95	<0.5		
AC19-101190		2.60	10	14	<5	305	313	35	3.38	<0.5		
AC19-101191		0.07	67	604	297	4560	4420	113	3.95	1.9		
AC19-101192		2.37	17	58	12	399	370	46	4.43	<0.5		
AC19-101193		2.60	13	20	<5	314	353	46	4.84	<0.5		
AC19-101194		2.61	19	53	12	381	365	51	4.91	<0.5		
AC19-101195		2.79	11	52	10	206	261	44	4.45	<0.5		
AC19-101196		2.74	30	152	26	353	423	54	4.97	<0.5		
AC19-101197		2.83	29	223	48	364	541	55	5.66	<0.5		
AC19-101198		2.65	18	60	10	224	288	49	5.37	<0.5		
AC19-101199		2.61	23	135	27	319	394	48	4.54	<0.5		
AC19-101200		2.61	10	14	<5	168	265	52	5.32	<0.5		
AC19-101201		2.56	10	16	7	179	268	55	5.52	<0.5		
AC19-101202		2.67	16	19	5	232	326	60	6.16	<0.5		
AC19-101203		2.76	6	5	<5	102	229	47	4.78	<0.5		
AC19-101204		2.54	12	37	7	217	266	52	5.06	<0.5		
AC19-101205		2.54	6	7	<5	137	222	53	5.17	<0.5		
AC19-101206		2.52	6	8	<5	151	227	54	5.31	<0.5		
AC19-101207		2.66	7	6	5	174	219	50	4.96	<0.5		
AC19-101208		2.55	5	11	5	157	241	58	5.37	<0.5		
AC19-101209		2.68	6	5	<5	145	223	53	5.16	<0.5		
AC19-101210		2.58	6	7	<5	135	221	54	5.23	<0.5		

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Finalized Date: 13-SEP-2019
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Project: 18-101

CERTIFICATE OF ANALYSIS TB19211681

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
AC19-101211		1.90	1	1	<5	2	3	1	12.95	<0.5		
AC19-101212		2.79	4	6	<5	103	222	56	5.09	<0.5		
AC19-101213		2.60	5	23	14	99	227	56	4.90	<0.5		
AC19-101214		2.78	10	67	21	153	304	65	5.63	<0.5		
AC19-101215		2.75	7	69	16	114	288	64	5.92	<0.5		
AC19-101216		2.70	5	74	9	91	239	49	4.50	<0.5		
AC19-101217		2.47	8	46	10	126	251	46	4.49	<0.5		
AC19-101218		2.77	16	163	36	363	305	55	4.72	<0.5		
AC19-101219		2.68	33	424	41	330	348	46	3.81	0.5		
AC19-101220		2.26	16	194	22	154	294	49	4.95	<0.5		
AC19-101221		2.65	9	181	27	86	285	45	4.82	<0.5		
AC19-101222		1.74	6	34	9	64	238	45	4.59	<0.5		
AC19-101223		3.54	2	2	<5	53	22	33	1.63	<0.5		
AC19-101224		2.59	1	<1	<5	55	19	26	1.26	<0.5		
AC19-101225		2.12	1	1	<5	23	12	15	0.85	<0.5		
AC19-101226		2.45	<1	1	<5	69	8	11	0.60	<0.5		
AC19-101227		2.49	<1	<1	<5	11	7	6	0.54	<0.5		
AC19-101228		2.34	1	<1	<5	70	10	14	0.93	<0.5		
AC19-101229		2.72	28	59	9	185	292	54	4.83	<0.5		
AC19-101230		2.32	3	65	18	64	247	36	4.92	<0.5		
AC19-101231		0.07	248	3220	726	>10000	>10000	949	3.84	4.0	16150	46300
AC19-101232		1.97	7	195	29	320	440	43	6.30	<0.5		
AC19-101233		2.26	3	330	38	427	525	65	6.01	<0.5		
AC19-101234		2.35	18	201	20	289	407	46	4.42	<0.5		
AC19-101235		2.48	17	79	12	204	292	49	4.90	<0.5		
AC19-101236		2.59	11	42	5	218	359	56	5.64	<0.5		
AC19-101237		2.58	10	17	5	227	348	63	5.63	<0.5		
AC19-101238		2.42	21	13	<5	208	252	49	4.91	<0.5		
AC19-101239		2.42	19	50	7	294	286	55	4.97	<0.5		
AC19-101240		2.66	17	61	5	176	249	43	4.01	<0.5		
AC19-101241		2.47	36	168	11	479	205	40	2.53	<0.5		
AC19-101242		2.62	13	124	11	135	262	53	5.19	<0.5		
AC19-101243		2.42	17	5	<5	164	231	41	4.33	<0.5		
AC19-101244		2.66	8	6	<5	182	254	58	4.95	<0.5		
AC19-101245		2.54	9	186	18	120	347	48	4.61	<0.5		
AC19-101246		2.70	16	114	5	191	331	54	5.19	<0.5		
AC19-101247		2.47	9	11	<5	150	212	45	3.58	<0.5		
AC19-101248		0.07	79	616	296	4470	4410	110	3.87	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			