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: 17-SEP-2019
Account: MZI

CERTIFICATE TB19212062

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 26-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 TB19212062

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
AD19-100391		1.72	3	1	<5	<1	2	1	13.35	<0.5		
AD19-100392		0.07	5180	2050	1300	82	79	60	0.25	0.8		
AD19-100393		2.57	6	86	8	203	292	61	5.47	<0.5		
AD19-100394		2.67	12	28	<5	170	265	55	5.58	<0.5		
AD19-100395		2.28	12	39	<5	19	92	17	1.51	<0.5		
AD19-100396		2.25	<1	3	<5	153	290	67	6.49	<0.5		
AD19-100397		2.44	<1	2	<5	136	257	60	5.77	<0.5		
AD19-100398		2.56	7	1	<5	156	235	63	5.62	<0.5		
AD19-100399		2.24	2	5	<5	171	283	69	5.39	<0.5		
AD19-100400		2.27	1	7	<5	114	150	54	4.77	<0.5		
AD19-100401		2.49	1	25	<5	154	222	60	5.63	<0.5		
AD19-100402		2.44	<1	1	<5	143	244	63	5.43	<0.5		
AD19-100403		2.43	2	43	<5	256	272	61	5.40	<0.5		
AD19-100404		2.71	2	41	<5	285	371	81	7.46	0.5		
AD19-100405		2.42	1	24	5	150	313	61	6.22	<0.5		
AD19-100406		2.17	1	9	<5	132	255	53	5.51	<0.5		
AD19-100407		2.50	11	333	37	277	286	56	5.10	<0.5		
AD19-100408		1.96	21	407	34	297	283	62	5.48	<0.5		
AD19-100409		3.24	6	45	<5	176	365	78	8.18	<0.5		
AD19-100410		2.48	<1	2	<5	71	198	59	6.16	<0.5		
AD19-100411		0.07	97	588	274	4610	4320	114	4.06	1.9		
AD19-100412		2.64	7	37	<5	237	352	69	6.80	<0.5		
AD19-100413		2.48	8	78	8	218	401	69	6.50	<0.5		
AD19-100414		2.61	7	40	6	282	359	75	7.06	<0.5		
AD19-100415		2.68	10	56	6	196	334	59	5.34	<0.5		
AD19-100416		2.52	2	26	<5	277	494	71	6.33	<0.5		
AD19-100417		2.26	4	74	7	315	449	84	7.01	<0.5		
AD19-100418		2.71	5	59	<5	259	393	71	6.52	<0.5		
AD19-100419		2.86	21	102	13	462	536	106	8.36	<0.5		
AD19-100420		2.71	21	42	8	372	527	105	8.55	<0.5		
AD19-100421		2.78	8	33	6	367	464	107	8.44	<0.5		
AD19-100422		1.68	13	134	12	326	345	78	5.95	<0.5		
AD19-100423		1.92	20	299	48	493	486	93	6.84	<0.5		
AD19-100424		1.68	12	152	10	241	347	68	6.63	<0.5		
AD19-100425		2.85	5	133	11	195	244	54	5.04	<0.5		
AD19-100426		2.73	25	236	18	449	331	66	5.49	<0.5		
AD19-100427		2.61	4	124	9	136	280	53	5.27	<0.5		
AD19-100428		2.63	81	1000	89	611	725	91	7.57	<0.5		
AD19-100429		2.46	10	209	23	324	510	78	7.35	<0.5		
AD19-100430		2.33	10	78	6	545	732	112	9.11	<0.5		

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Project: 18-101

CERTIFICATE OF ANALYSIS TB19212062

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
AD19-100431		1.76	<1	2	<5	1	3	1	13.55	<0.5		
AD19-100432		2.39	3	1	<5	235	318	58	5.31	<0.5		
AD19-100433		2.36	<1	28	5	95	270	46	4.86	<0.5		
AD19-100434		2.49	<1	18	<5	158	250	54	5.35	<0.5		
AD19-100435		2.25	3	4	<5	475	479	96	6.67	0.5		
AD19-100436		2.57	<1	2	<5	253	256	65	6.00	<0.5		
AD19-100437		2.36	4	15	<5	242	305	76	6.58	<0.5		
AD19-100438		2.49	1	17	<5	268	193	64	5.41	<0.5		
AD19-100439		2.49	<1	<1	<5	106	166	51	4.90	<0.5		
AD19-100440		2.51	2	12	<5	187	282	65	5.82	<0.5		
AD19-100441		2.45	<1	63	8	54	550	69	9.82	<0.5		
AD19-100442		2.39	<1	20	5	118	384	64	7.33	<0.5		
AD19-100443		2.46	9	16	<5	316	275	71	4.96	<0.5		
AD19-100444		2.44	4	15	<5	260	356	65	5.54	<0.5		
AD19-100445		2.50	3	3	<5	233	297	57	5.80	<0.5		
AD19-100446		2.47	5	12	<5	204	295	61	5.85	<0.5		
AD19-100447		2.50	14	81	<5	411	343	70	5.75	<0.5		
AD19-100448		2.29	<1	5	<5	106	160	53	4.87	<0.5		
AD19-100449		2.75	1	4	<5	142	249	64	5.49	<0.5		
AD19-100450		2.49	<1	1	<5	155	227	66	5.86	<0.5		
AD19-100451		0.12	238	3340	789	>10000	>10000	1000	4.23	4.0	16450	46000
AD19-100452		2.21	<1	1	<5	121	208	57	4.99	<0.5		
AD19-100453		2.41	2	1	<5	162	191	58	4.79	<0.5		
AD19-100454		2.36	<1	17	<5	106	165	52	4.58	<0.5		
AD19-100455		2.25	<1	5	<5	169	195	54	4.48	<0.5		
AD19-100456		2.26	<1	3	<5	172	198	56	4.54	<0.5		
AD19-100457		2.43	<1	1	<5	183	269	69	5.07	<0.5		
AD19-100458		2.36	<1	1	<5	106	185	58	5.08	<0.5		
AD19-100459		2.35	2	1	<5	181	272	69	5.78	<0.5		
AD19-100460		2.54	1	1	<5	141	212	62	5.63	<0.5		
AD19-100461		2.44	2	7	<5	227	274	59	5.15	<0.5		
AD19-100462		2.39	4	3	<5	265	336	54	4.87	<0.5		
AD19-100463		2.38	12	136	15	355	377	56	4.79	<0.5		
AD19-100464		2.49	7	195	6	189	259	61	3.67	<0.5		
AD19-100465		2.43	5	8	<5	222	289	57	5.02	<0.5		
AD19-100466		2.32	5	89	26	368	437	75	5.87	<0.5		
AD19-100467		2.59	9	51	5	406	469	75	5.70	<0.5		
AD19-100468		0.07	69	618	316	4420	4320	114	3.84	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			