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: 7-AUG-2019
Account: MZI

CERTIFICATE TB19183332

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 25-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 TB19183332

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
AC19-100313		1.57	<1	<1	<5	<1	2	<1	12.95	<0.5		
AC19-100314		0.07	4820	2050	1320	87	87	64	0.28	1.0		
AC19-100315		2.45	93	538	96	881	850	56	4.06	1.1		
AC19-100316		2.44	34	288	62	289	383	40	3.77	<0.5		
AC19-100317		2.40	69	312	62	277	312	40	3.78	<0.5		
AC19-100318		2.35	19	162	50	234	266	35	3.92	<0.5		
AC19-100319		2.40	66	396	88	595	513	42	3.54	<0.5		
AC19-100320		2.31	34	277	77	313	408	40	3.68	<0.5		
AC19-100321		2.39	15	151	54	177	263	35	3.47	<0.5		
AC19-100322		2.31	32	182	59	288	326	37	3.70	<0.5		
AC19-100323		2.38	70	302	78	557	506	41	3.42	0.8		
AC19-100324		2.17	22	144	59	183	288	37	3.58	<0.5		
AC19-100325		2.48	21	138	58	207	274	34	3.68	<0.5		
AC19-100326		2.44	19	140	55	182	307	36	3.61	<0.5		
AC19-100327		2.45	49	243	54	449	400	39	3.53	0.7		
AC19-100328		2.25	36	348	73	286	394	39	3.85	<0.5		
AC19-100329		2.47	37	537	92	304	421	32	2.94	<0.5		
AC19-100330		2.46	75	1330	152	773	926	46	3.06	0.5		
AC19-100331		2.37	254	1800	245	1175	1220	55	3.88	0.9		
AC19-100332		2.39	155	1340	186	1080	887	36	2.35	0.7		
AC19-100333		0.07	71	600	296	4460	4370	118	4.03	2.2		
AC19-100334		2.41	208	1520	211	1415	1140	43	2.65	0.8		
AC19-100335		2.33	185	1400	188	1435	1080	41	2.68	0.7		
AC19-100336		2.35	299	1600	226	1480	1370	50	2.63	1.0		
AC19-100337		2.41	104	833	130	968	709	35	2.23	0.6		
AC19-100338		2.39	127	1060	136	846	806	44	2.87	0.5		
AC19-100339		2.08	162	1580	174	1160	1020	50	3.30	1.3		
AC19-100340		1.94	105	1150	150	786	855	42	3.05	0.5		
AC19-100341		2.25	95	998	144	907	958	47	3.40	1.0		
AC19-100342		2.03	96	788	119	858	766	39	2.99	0.5		
AC19-100343		1.97	96	660	110	730	631	38	3.23	0.5		
AC19-100344		2.02	80	507	89	492	602	39	3.24	<0.5		
AC19-100345		1.85	199	1220	136	1055	971	49	3.49	0.7		
AC19-100346		1.97	83	743	127	753	756	49	4.45	0.6		
AC19-100347		1.82	206	1260	174	1230	1100	60	4.81	0.6		
AC19-100348		2.04	224	1430	117	1385	1130	60	4.85	0.9		
AC19-100349		2.02	300	2680	227	1890	1950	78	5.06	1.1		
AC19-100350		2.07	306	2060	197	1860	1660	69	4.86	1.3		
AC19-100351		1.89	222	2050	164	1505	1480	65	4.79	1.1		
AC19-100352		1.95	160	1350	106	1045	950	54	3.65	0.8		

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Finalized Date: 7-AUG-2019
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Project: 18-101

CERTIFICATE OF ANALYSIS TB19183332

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
AC19-100353		1.39	<1	5	<5	7	10	<1	12.95	<0.5		
AC19-100354		1.84	171	1740	142	1045	1030	45	2.35	0.8		
AC19-100355		1.89	576	4250	319	2470	2030	69	2.89	1.6		
AC19-100356		2.01	653	4680	326	2830	2390	74	2.71	1.3		
AC19-100357		1.84	930	6470	547	3880	3150	92	3.46	1.5		
AC19-100358		1.95	683	4650	353	2730	2180	67	2.43	1.4		
AC19-100359		1.88	618	4160	304	2520	2160	74	3.51	1.6		
AC19-100360		2.06	859	6050	441	3430	2820	84	2.67	1.6		
AC19-100361		1.93	684	5650	406	3140	2480	78	2.54	1.6		
AC19-100362		2.00	70	1180	95	636	625	37	1.70	<0.5		
AC19-100363		1.88	270	3090	255	2220	1560	46	1.25	1.4		
AC19-100364		1.90	218	2080	167	1450	1140	59	3.70	1.2		
AC19-100365		2.01	235	1660	154	1230	1190	58	4.53	1.0		
AC19-100366		2.06	268	2120	178	1500	1290	59	4.53	1.1		
AC19-100367		2.02	407	3080	249	1900	1650	71	4.53	1.2		
AC19-100368		2.04	374	2060	180	1850	1330	66	4.36	1.2		
AC19-100369		1.96	229	1850	161	1575	1280	65	3.97	1.0		
AC19-100370		1.97	119	1220	111	1065	823	49	2.61	0.8		
AC19-100371		2.03	60	369	32	567	356	35	2.50	<0.5		
AC19-100372		1.76	69	459	47	682	541	33	1.98	0.7		
AC19-100373		0.12	251	3330	766	>10000	>10000	1000	4.04	4.4	16300	45800
AC19-100374		1.94	82	374	39	924	552	34	2.05	0.7		
AC19-100375		1.93	80	469	47	751	599	39	2.54	0.5		
AC19-100376		1.90	90	557	59	973	684	47	3.22	0.8		
AC19-100377		2.00	77	529	56	1050	615	47	3.33	1.1		
AC19-100378		1.91	83	580	59	883	654	50	3.66	0.8		
AC19-100379		2.02	145	677	73	1195	939	57	3.85	0.9		
AC19-100380		2.11	316	1660	165	1860	1590	75	4.61	1.1		
AC19-100381		2.13	111	706	86	881	901	67	5.19	0.8		
AC19-100382		2.12	96	1850	187	1070	1310	80	5.17	0.7		
AC19-100383		1.94	44	2230	123	1025	1080	64	4.08	1.2		
AC19-100384		1.97	94	894	89	962	957	63	4.47	1.1		
AC19-100385		1.37	49	186	23	749	552	72	4.18	0.6		
AC19-100386		1.02	21	52	8	537	370	64	2.51	<0.5		
AC19-100387		1.39	20	122	20	424	234	40	2.13	<0.5		
AC19-100388		1.92	16	84	13	317	234	26	1.68	0.6		
AC19-100389		1.90	12	69	7	346	216	24	1.06	<0.5		
AC19-100390		0.07	68	635	309	4450	4370	117	3.99	2.0		

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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			