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: 1-AUG-2019
Account: MZI

CERTIFICATE TB19172658

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 15-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 TB19172658

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
A0146171		1.13	<1	2	<5	1	2	1	13.20	<0.5		
A0146172		0.07	4620	2030	1310	87	89	64	0.25	1.3		
A0146173		2.77	56	435	36	583	625	90	7.20	<0.5		
A0146174		2.52	101	422	34	534	455	68	6.45	<0.5		
A0146175		2.58	126	498	32	1100	467	63	5.58	0.6		
A0146176		2.59	41	422	63	573	537	48	3.70	<0.5		
A0146177		2.53	101	904	93	2100	1075	76	4.01	0.5		
A0146178		2.40	123	1360	80	1475	1050	80	4.32	<0.5		
A0146179		2.49	44	314	20	444	738	69	5.91	<0.5		
A0146180		2.63	2	3	<5	83	295	47	5.64	<0.5		
A0146181		2.55	3	3	<5	79	236	42	5.11	<0.5		
A0146182		2.28	3	33	<5	91	251	43	5.15	<0.5		
A0146183		2.63	5	150	6	150	373	49	6.07	<0.5		
A0146184		2.33	<1	44	<5	145	357	49	6.51	<0.5		
A0146185		2.47	5	18	<5	184	322	42	5.18	<0.5		
A0146186		3.13	1	5	<5	119	351	49	6.47	<0.5		
A0146187		1.55	<1	2	<5	127	397	54	7.40	<0.5		
A0146188		2.38	<1	2	<5	76	337	50	7.31	<0.5		
A0146189		2.45	<1	1	<5	73	315	48	7.02	<0.5		
A0146190		2.38	69	601	51	524	568	60	6.34	<0.5		
A0146191		0.07	85	598	301	4440	4300	113	3.90	2.6		
A0146192		2.34	3	34	<5	122	332	52	6.93	<0.5		
A0146193		2.60	6	40	<5	103	315	51	6.90	<0.5		
A0146194		2.61	1	9	<5	100	300	48	6.68	<0.5		
A0146195		2.58	17	29	<5	103	293	48	6.54	<0.5		
A0146196		2.65	3	38	<5	100	304	48	6.27	<0.5		
A0146197		2.04	13	41	<5	168	301	48	5.84	<0.5		
A0146198		2.28	1	5	<5	82	260	45	5.75	<0.5		
A0146199		2.66	7	43	6	130	269	46	5.57	<0.5		
A0146200		2.37	14	72	5	171	315	49	6.22	<0.5		
A0146201		2.61	15	150	8	165	329	61	7.56	<0.5		
A0146202		2.37	16	166	14	172	267	53	5.12	<0.5		
A0146203		2.40	4	46	<5	146	166	43	4.18	<0.5		
A0146204		2.44	1	21	<5	73	151	44	4.15	<0.5		
A0146205		2.32	1	11	<5	68	141	41	4.21	<0.5		
A0146206		2.35	3	17	<5	81	138	42	4.10	<0.5		
A0146207		2.45	6	2	<5	133	142	41	4.17	<0.5		
A0146208		2.22	9	79	5	120	152	43	4.21	<0.5		
A0146209		2.53	3	27	<5	117	147	43	4.09	<0.5		
A0146210		2.42	10	211	16	488	418	50	5.30	<0.5		

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THUNDER BAY ON P7B 2R2

Finalized Date: 1-AUG-2019
Account: MZI

Project: 18-101

CERTIFICATE OF ANALYSIS TB19172658

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
A0146211		1.54	<1	1	<5	1	2	1	13.55	<0.5		
A0146212		2.47	37	715	57	1365	744	88	6.58	<0.5		
A0146213		2.27	2	106	6	176	400	62	7.27	<0.5		
A0146214		2.32	11	328	25	230	451	56	5.84	<0.5		
A0146215		2.08	37	419	24	435	515	61	5.56	<0.5		
A0146216		2.43	12	209	20	236	349	56	6.03	<0.5		
A0146217		2.24	6	26	<5	270	437	62	6.93	<0.5		
A0146218		2.20	5	21	<5	180	368	54	6.26	<0.5		
A0146219		2.17	11	56	8	201	355	49	5.42	<0.5		
A0146220		2.16	25	20	<5	700	814	94	5.76	0.5		
A0146221		2.35	15	267	12	403	634	63	6.29	<0.5		
A0146222		2.45	5	150	8	120	258	47	4.96	<0.5		
A0146223		2.59	7	114	9	150	259	51	5.20	<0.5		
A0146224		2.38	7	2	<5	232	186	48	4.58	<0.5		
A0146225		2.37	5	4	5	150	357	48	5.07	<0.5		
A0146226		2.25	16	221	27	501	568	61	5.77	<0.5		
A0146227		2.14	27	506	37	481	559	62	4.96	<0.5		
A0146228		2.17	9	84	12	200	314	47	4.90	<0.5		
A0146229		2.05	9	499	345	162	492	80	4.85	<0.5		
A0146230		2.30	9	101	20	318	263	56	4.55	<0.5		
A0146231		0.12	323	3390	803	>10000	>10000	979	4.07	4.6	15850	45300
A0146232		2.28	1	6	<5	117	275	47	4.75	<0.5		
A0146233		2.38	8	34	<5	341	307	76	5.26	<0.5		
A0146234		2.32	6	60	6	115	175	44	4.36	<0.5		
A0146235		2.37	4	151	11	113	274	42	4.69	<0.5		
A0146236		2.25	16	235	26	337	510	58	5.58	<0.5		
A0146237		2.40	8	159	15	168	364	54	5.80	<0.5		
A0146238		2.19	2	2	<5	87	230	45	5.43	<0.5		
A0146239		2.17	3	114	15	287	491	64	6.37	<0.5		
A0146240		2.25	20	716	56	613	769	74	6.17	<0.5		
A0146241		2.43	9	213	22	252	388	65	5.61	<0.5		
A0146242		2.28	4	226	14	223	303	52	5.19	<0.5		
A0146243		2.05	4	358	32	345	355	57	5.85	<0.5		
A0146244		2.46	2	82	11	692	298	57	5.31	0.9		
A0146245		2.55	<1	76	9	9	205	30	4.42	<0.5		
A0146246		2.40	<1	154	15	23	178	25	3.59	<0.5		
A0146247		1.90	5	39	6	142	233	61	4.49	1.9		
A0146248		0.07	93	620	290	4360	4280	112	3.93	1.9		

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CERTIFICATE OF ANALYSIS TB19172658

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			