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: 29-JUL-2019
Account: MZI

CERTIFICATE TB19168106

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 9-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 TB19168106

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
A0162957		1.30	2	<1	<5	3	3	2	13.10	<0.5		
A0162958		0.07	5250	2000	1280	86	83	61	0.26	0.8		
A0162959		2.44	18	57	30	109	244	37	4.14	<0.5		
A0162960		2.32	17	76	32	170	225	33	3.56	<0.5		
A0162961		2.49	97	544	99	609	603	46	3.28	<0.5		
A0162962		2.28	41	192	35	522	511	49	4.53	<0.5		
A0162963		2.27	35	112	19	535	445	49	4.09	<0.5		
A0162964		2.53	17	63	12	260	285	48	4.87	<0.5		
A0162965		2.19	8	63	13	95	230	42	4.67	<0.5		
A0162966		2.41	15	21	14	227	301	46	4.91	<0.5		
A0162967		2.54	10	98	27	125	225	46	4.80	<0.5		
A0162968		2.33	7	42	11	110	224	41	4.32	<0.5		
A0162969		2.44	18	117	11	246	317	46	4.62	<0.5		
A0162970		2.54	27	71	7	228	300	46	5.04	<0.5		
A0162971		2.47	18	242	25	220	311	50	5.19	<0.5		
A0162972		2.57	13	151	15	194	309	52	5.17	<0.5		
A0162973		2.57	12	40	9	157	302	53	5.62	<0.5		
A0162974		2.47	24	156	17	206	358	57	5.64	<0.5		
A0162975		2.54	31	221	16	328	432	56	5.36	<0.5		
A0162976		2.54	29	108	11	302	420	53	5.41	<0.5		
A0162977		0.07	81	601	293	4680	4570	114	3.92	1.9		
A0162978		2.49	22	230	19	309	394	45	4.57	<0.5		
A0162979		2.31	7	59	8	239	324	49	5.06	<0.5		
A0162980		2.29	6	2	<5	120	248	50	5.33	<0.5		
A0162981		2.43	9	1	<5	218	304	52	5.23	<0.5		
A0162982		2.33	9	12	<5	164	313	51	5.53	<0.5		
A0162983		2.43	13	369	35	241	421	53	5.17	<0.5		
A0162984		2.32	10	23	<5	171	178	31	3.26	<0.5		
A0162985		2.35	207	2540	186	1210	1220	60	3.74	0.6		
A0162986		2.26	252	3240	222	1405	1455	64	3.28	0.7		
A0162987		2.30	17	558	<5	465	467	56	4.47	<0.5		
A0162988		1.88	27	90	13	370	359	57	4.84	<0.5		
A0162989		1.36	16	106	12	387	275	22	1.31	0.5		
A0162990		1.42	4	31	<5	149	121	18	1.69	<0.5		
A0162991		2.07	111	1650	138	1170	1235	49	2.30	1.0		
A0162992		2.36	16	10	<5	687	238	20	1.26	0.8		
A0162993		2.16	61	734	88	1345	943	50	2.00	1.2		
A0162994		2.26	28	242	45	476	487	30	1.18	0.6		
A0162995		2.12	27	42	6	218	220	17	0.82	<0.5		
A0162996		2.25	20	98	18	365	265	26	1.73	<0.5		

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Finalized Date: 29-JUL-2019
Account: MZI

Project: 18-101

CERTIFICATE OF ANALYSIS TB19168106

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
A0162997		2.77	<1	<1	<5	6	3	<1	13.65	<0.5		
A0162998		2.21	45	463	63	814	582	30	1.19	0.7		
A0162999		1.28	32	172	23	478	433	28	1.85	<0.5		
A0163000		1.88	77	754	84	887	784	39	2.15	0.7		
A0163001		1.49	3	<1	<5	119	79	42	2.83	<0.5		
A0163002		2.11	7	23	9	132	220	46	4.71	<0.5		
A0163003		2.35	8	62	16	152	292	50	5.45	<0.5		
A0163004		2.49	38	126	20	383	340	45	4.23	<0.5		
A0163005		2.33	44	216	38	477	414	41	3.67	<0.5		
A0163006		2.42	48	538	56	660	695	51	5.26	<0.5		
A0163007		2.13	159	1600	157	1305	1195	68	6.45	0.6		
A0163008		2.46	8	115	19	191	292	38	4.71	<0.5		
A0163009		2.33	15	57	16	253	393	47	5.75	<0.5		
A0163010		2.44	16	88	17	175	319	43	5.26	<0.5		
A0163011		2.52	91	642	67	676	673	55	5.62	<0.5		
A0163012		2.26	31	612	86	499	640	47	4.99	<0.5		
A0163013		2.52	72	892	114	833	938	58	5.44	<0.5		
A0163014		2.34	25	331	43	297	438	47	5.04	<0.5		
A0163015		2.44	41	399	50	306	485	48	5.28	<0.5		
A0163016		2.25	185	552	66	501	685	58	5.96	<0.5		
A0163017		0.08	249	3440	773	>10000	>10000	968	4.22	4.2	16400	47300
A0163018		2.30	18	94	24	264	386	48	5.82	<0.5		
A0163019		2.29	27	131	31	318	430	50	5.68	<0.5		
A0163020		2.31	21	31	12	421	419	47	4.84	<0.5		
A0163021		2.30	107	2180	169	1080	1130	57	1.69	1.0		
A0163022		2.29	49	407	36	722	510	33	2.22	0.5		
A0163023		2.34	125	1480	138	1375	1145	51	2.65	1.1		
A0163024		2.10	35	570	58	727	584	36	1.83	0.6		
A0163025		2.27	6	64	10	116	211	41	4.49	<0.5		
A0163026		2.33	7	59	7	104	219	37	4.44	<0.5		
A0163027		2.33	9	43	7	129	246	46	5.38	<0.5		
A0163028		2.35	5	20	7	119	235	47	5.48	<0.5		
A0163029		2.29	12	57	11	128	260	50	5.67	<0.5		
A0163030		2.37	42	583	47	489	553	61	5.76	<0.5		
A0163031		2.37	37	163	19	289	313	48	5.13	<0.5		
A0163032		2.37	98	703	57	513	588	55	5.34	<0.5		
A0163033		2.31	114	607	81	589	576	53	5.11	<0.5		
A0163034		0.07	101	592	286	4250	4110	106	3.92	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			