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: 20-AUG-2019
Account: MZI

CERTIFICATE TB19194572

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 7-AUG-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 TB19194572

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
AC19-101015		2.37	<1	1	<5	1	<1	1	13.45	<0.5		
AC19-101016		0.07	5220	2050	1320	86	83	63	0.25	0.7		
AC19-101017		2.48	17	64	16	162	343	50	5.54	<0.5		
AC19-101018		2.44	14	37	11	209	354	58	5.62	<0.5		
AC19-101019		2.80	20	125	11	293	365	51	5.04	<0.5		
AC19-101020		2.35	41	112	15	582	420	56	5.32	<0.5		
AC19-101021		2.76	21	76	14	183	353	49	5.36	<0.5		
AC19-101022		2.59	22	90	16	216	370	53	5.46	<0.5		
AC19-101023		2.55	12	25	9	200	315	52	5.19	<0.5		
AC19-101024		2.56	15	34	10	201	370	54	5.86	<0.5		
AC19-101025		2.34	11	22	8	142	339	52	5.86	<0.5		
AC19-101026		2.57	7	72	14	174	334	50	5.37	<0.5		
AC19-101027		2.44	7	5	<5	179	269	53	5.39	<0.5		
AC19-101028		2.51	11	45	6	226	315	52	5.20	<0.5		
AC19-101029		2.56	11	25	9	236	311	56	5.63	<0.5		
AC19-101030		2.49	10	26	6	158	244	42	4.55	<0.5		
AC19-101031		2.36	12	104	12	229	298	49	4.81	<0.5		
AC19-101032		2.65	12	57	13	276	372	55	5.40	2.0		
AC19-101033		2.28	9	27	9	199	263	50	4.91	<0.5		
AC19-101034		2.36	12	88	13	225	309	55	5.31	<0.5		
AC19-101035		0.07	69	609	304	4730	4600	118	4.08	2.0		
AC19-101036		2.53	13	38	10	237	312	55	5.41	<0.5		
AC19-101037		2.36	22	14	<5	302	311	52	5.13	<0.5		
AC19-101038		2.78	5	7	<5	197	257	43	4.31	<0.5		
AC19-101039		2.27	41	12	5	204	295	49	5.17	<0.5		
AC19-101040		2.37	14	23	8	346	399	55	5.57	<0.5		
AC19-101041		2.17	17	227	22	183	241	32	3.27	<0.5		
AC19-101042		2.46	10	10	5	224	326	52	5.67	<0.5		
AC19-101043		2.61	6	50	7	143	238	34	3.45	<0.5		
AC19-101044		2.31	7	93	18	148	343	41	4.71	<0.5		
AC19-101045		2.66	13	69	15	222	375	53	6.02	<0.5		
AC19-101046		2.68	18	103	20	217	425	53	5.83	<0.5		
AC19-101047		2.78	14	51	15	216	436	52	6.25	<0.5		
AC19-101048		2.62	10	44	9	133	389	52	6.14	<0.5		
AC19-101049		2.89	8	59	12	175	444	58	6.93	<0.5		
AC19-101050		2.76	9	67	14	245	473	57	6.16	<0.5		
AC19-101051		2.66	15	113	18	364	597	58	5.50	<0.5		
AC19-101052		2.78	10	84	21	212	470	58	6.92	<0.5		
AC19-101053		2.67	26	520	39	541	569	52	4.86	0.5		
AC19-101054		2.16	12	68	23	190	317	55	5.36	<0.5		

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Project: 18-101

CERTIFICATE OF ANALYSIS TB19194572

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
AC19-101055		1.82	1	<1	<5	2	1	<1	13.35	<0.5		
AC19-101056		2.11	10	159	25	183	396	51	5.60	<0.5		
AC19-101057		2.21	7	72	11	116	351	48	5.50	<0.5		
AC19-101058		2.12	7	121	14	107	385	49	5.52	<0.5		
AC19-101059		2.36	26	163	38	418	568	69	7.15	<0.5		
AC19-101060		2.45	125	1430	129	1880	933	75	6.64	1.0		
AC19-101061		2.19	47	662	72	513	591	57	5.71	<0.5		
AC19-101062		2.15	38	781	96	610	666	62	5.15	<0.5		
AC19-101063		2.06	208	2940	225	1705	1500	82	5.25	0.8		
AC19-101064		2.06	25	92	22	397	528	64	6.41	<0.5		
AC19-101065		2.20	21	118	20	257	409	58	6.27	<0.5		
AC19-101066		2.17	16	87	20	202	413	56	6.34	<0.5		
AC19-101067		2.20	11	84	22	154	404	60	6.42	<0.5		
AC19-101068		2.01	22	250	30	351	409	54	5.66	<0.5		
AC19-101069		2.21	18	107	22	247	461	61	6.84	<0.5		
AC19-101070		2.15	13	81	20	209	462	62	7.19	<0.5		
AC19-101071		2.04	13	65	15	172	413	62	6.87	<0.5		
AC19-101072		2.10	15	36	16	196	429	66	7.08	<0.5		
AC19-101073		2.02	16	43	15	217	432	59	6.54	<0.5		
AC19-101074		2.20	18	62	25	310	614	70	7.65	<0.5		
AC19-101075		0.08	227	3430	799	>10000	>10000	950	3.89	4.0	16250	46100
AC19-101076		2.36	8	104	11	175	370	46	5.01	<0.5		
AC19-101077		2.21	17	188	25	246	476	58	6.46	<0.5		
AC19-101078		2.19	35	320	33	362	486	59	6.59	<0.5		
AC19-101079		2.25	41	489	44	686	461	56	5.06	0.5		
AC19-101080		2.09	11	24	5	178	323	49	5.20	<0.5		
AC19-101081		2.17	11	175	14	232	401	52	5.31	<0.5		
AC19-101082		2.18	15	105	22	361	548	56	6.27	<0.5		
AC19-101083		2.11	11	119	23	398	484	53	5.71	<0.5		
AC19-101084		2.17	8	73	15	196	434	53	6.24	<0.5		
AC19-101085		2.18	5	17	<5	121	424	53	6.33	<0.5		
AC19-101086		2.09	12	287	33	215	545	61	6.69	<0.5		
AC19-101087		2.36	5	13	<5	176	396	55	6.06	<0.5		
AC19-101088		2.01	7	17	6	215	443	60	6.74	<0.5		
AC19-101089		2.19	6	30	12	154	442	58	7.11	<0.5		
AC19-101090		2.07	9	56	17	146	458	60	7.03	<0.5		
AC19-101091		2.27	13	89	26	297	579	73	8.15	<0.5		
AC19-101092		0.07	68	623	332	4330	4240	112	3.87	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			