BUREAU VERITAS
MINERAL LABORATORIES
Canada

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By: Quentin Yarie
Receiving Lab: Canada-Timmins
Received: August 22, 2019
Report Date: October 29, 2019

CERTIFICATE OF ANALYSIS TIM19001841.4

CLIENT JOB INFORMATION

Project: SPJ
Shipment ID:
P.O. Number
Number of Samples: 49

SAMPLE DISPOSAL

RTRN-PLP Return After 90 days
RTRN-RJT Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP85-500	47	Crush split and pulverize 250g of sample to 200mesh			TIM
SLBHP	2	Sort, label and box pulps			TIM
SHP01	49	Per sample shipping charges for branch shipments			TIM
FA450	48	50g Lead Collection Fire Assay Fusion - AAS Finish	50	Completed	VAN
EN002	49	Environmental disposal charge-Fire assay lead waste			VAN
MA200	49	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
EN001-MA	49	Environmental disposal fee - Multi-acid neutralization			VAN
FA530	1	Lead collection fire assay fusion - gravimetric finish	30	Completed	TIM

ADDITIONAL COMMENTS

Version 2: Results for IS samples. Version 3 - Elements set to re-order alphabetically
Version 4 - Client wishes a grav run on sample 3481540

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC:

MAY LAI
Data Validation Specialist

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3481501	Drill Core	4.83	<0.005	<0.1	8.60	3	475	1	<0.1	5.76	<0.1	42	58.9	44	40.7	10.95	4.2	0.10	0.88	16.6	16.1
3481502	Drill Core	5.84	<0.005	<0.1	8.48	3	472	<1	<0.1	5.90	<0.1	42	59.9	44	44.0	11.26	4.2	0.11	0.90	17.1	16.2
3481503	Drill Core	6.48	<0.005	<0.1	8.73	4	453	<1	<0.1	4.44	<0.1	53	56.2	43	41.7	10.17	4.3	0.05	1.26	23.5	34.8
3481504	Drill Core	2.53	3.875	<0.1	5.37	11	79	2	<0.1	0.73	<0.1	24	9.0	17	21.3	1.03	1.3	<0.05	0.31	11.2	8.3
3481505	Drill Core	2.96	2.541	<0.1	7.67	10	111	2	<0.1	0.84	<0.1	41	4.2	31	9.0	0.94	2.2	<0.05	0.44	18.8	7.7
3481506	Drill Core	3.83	2.551	0.1	5.82	44	64	2	0.5	1.95	<0.1	36	122.8	34	16.7	3.27	1.6	<0.05	0.32	18.0	21.5
3481507	Drill Core	3.62	3.769	<0.1	5.29	21	98	3	0.4	0.47	<0.1	28	14.4	28	21.2	4.94	1.4	<0.05	0.43	13.5	32.3
3481508	Drill Core	4.24	2.663	0.1	5.30	25	74	3	0.2	0.22	0.2	29	9.9	27	15.9	5.52	1.3	0.06	0.27	13.8	32.7
3481509	Drill Core	3.33	0.009	<0.1	4.58	7	50	1	<0.1	0.38	<0.1	17	2.8	25	7.8	1.31	1.3	<0.05	0.13	7.9	7.7
3481510	Drill Core	4.20	0.115	<0.1	5.94	6	57	1	<0.1	0.58	<0.1	26	2.8	25	7.9	1.20	1.5	<0.05	0.16	12.5	6.4
3481511	Drill Core	3.72	0.250	<0.1	4.48	5	50	2	<0.1	0.42	<0.1	19	3.2	28	20.5	1.50	1.6	<0.05	0.12	8.4	6.0
3481512	Drill Core	3.99	>10	0.8	5.58	37	50	2	1.4	0.36	<0.1	48	30.8	30	130.4	7.62	1.5	0.06	0.11	23.5	13.6
3481513	Drill Core	3.47	3.563	<0.1	5.98	47	34	2	0.2	2.97	<0.1	61	17.4	32	24.1	1.26	1.8	<0.05	0.08	27.8	5.5
3481514	Drill Core	4.96	6.754	<0.1	6.89	22	34	2	0.4	2.60	<0.1	46	7.7	52	19.6	1.23	2.8	<0.05	0.09	20.9	6.2
3481515	Drill Core	3.31	6.654	<0.1	6.14	13	32	2	<0.1	2.37	<0.1	32	6.8	34	7.0	1.17	2.0	<0.05	0.10	15.2	5.7
3481516	Drill Core	3.76	2.025	<0.1	6.08	29	39	1	0.1	2.42	<0.1	63	11.1	29	57.2	0.86	1.8	<0.05	0.14	29.5	2.6
3481517	Drill Core	3.52	<0.005	<0.1	6.49	26	43	3	<0.1	2.55	0.4	38	8.8	58	46.1	1.28	2.5	<0.05	0.23	15.8	4.5
3481518	Drill Core	3.15	<0.005	<0.1	7.32	39	42	4	<0.1	1.62	<0.1	52	19.9	80	102.6	1.48	3.1	<0.05	0.25	21.6	6.3
3481519	Drill Core	3.81	0.013	<0.1	5.54	35	37	2	<0.1	1.35	<0.1	29	11.2	32	51.4	0.83	2.2	<0.05	0.16	13.0	3.9
3481520	Rock Pulp	0.07	1.473	0.2	7.23	685	361	<1	<0.1	5.67	<0.1	39	40.1	185	76.7	8.52	3.2	<0.05	0.69	20.1	9.5
3481521	Drill Core	3.27	0.033	<0.1	5.20	19	48	2	<0.1	1.34	<0.1	25	10.4	34	12.0	1.12	2.0	<0.05	0.19	11.4	4.4
3481522	Drill Core	4.64	0.010	<0.1	6.39	12	57	2	<0.1	0.95	<0.1	39	4.5	26	7.7	0.77	1.7	<0.05	0.19	18.8	3.2
3481523	Drill Core	3.69	1.535	0.2	4.47	16	49	2	0.1	0.51	<0.1	38	11.4	46	12.2	1.93	2.0	<0.05	0.16	17.5	4.5
3481524	Drill Core	4.03	0.835	<0.1	5.74	9	59	2	<0.1	0.94	<0.1	20	4.3	20	11.0	1.16	1.2	<0.05	0.15	9.1	3.0
3481525	Rock	0.20	<0.005	<0.1	4.38	3	23	<1	<0.1	0.13	<0.1	<1	<0.2	2	2.2	0.29	0.4	<0.05	4.11	0.2	22.7
3481526	Drill Core	5.58	>10	0.4	5.39	73	14	3	2.2	0.27	<0.1	41	50.7	19	231.9	12.06	1.1	0.09	0.05	20.1	7.7
3481527	Drill Core	4.22	9.458	<0.1	4.20	10	23	1	0.2	0.20	<0.1	59	4.3	22	93.2	3.31	1.4	0.06	0.05	28.3	3.3
3481528	Drill Core	4.29	2.105	<0.1	3.89	12	25	2	0.4	0.36	<0.1	22	20.3	17	15.7	2.28	1.0	<0.05	0.05	10.3	3.0
3481529	Drill Core	5.14	0.017	<0.1	5.91	4	26	1	<0.1	1.47	<0.1	27	6.0	33	11.2	3.33	1.4	<0.05	0.07	12.7	4.9
3481530	Drill Core	4.01	0.024	<0.1	5.24	3	37	1	<0.1	0.92	<0.1	40	2.3	22	3.3	1.72	1.4	<0.05	0.10	18.8	2.5

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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3481501	Drill Core	3.63	1513	0.8	2.307	8.8	80.6	0.242	4.0	22.1	<0.005	<0.1	<0.1	25	<1	2.0	446	0.6	<0.5	0.7	1.770
3481502	Drill Core	3.73	1460	0.8	2.322	9.0	84.1	0.258	3.4	29.1	<0.005	<0.1	0.1	27	<1	1.6	454	0.6	<0.5	0.7	1.773
3481503	Drill Core	3.87	1184	0.5	2.305	8.6	78.4	0.242	4.9	32.4	<0.005	0.1	0.3	25	<1	1.4	412	0.5	<0.5	0.8	1.652
3481504	Drill Core	1.16	115	0.3	4.650	1.1	15.3	0.025	2.6	3.5	<0.005	<0.1	0.3	3	<1	0.3	106	0.1	<0.5	2.7	0.054
3481505	Drill Core	0.85	127	0.9	5.354	1.9	15.9	0.036	2.5	4.7	<0.005	<0.1	0.2	4	<1	0.8	136	0.2	<0.5	4.3	0.086
3481506	Drill Core	1.99	374	0.4	3.866	1.3	70.9	0.031	7.0	4.0	<0.005	1.1	0.5	6	1	0.3	86	0.1	<0.5	3.3	0.061
3481507	Drill Core	2.31	217	0.3	3.001	1.3	12.0	0.054	9.0	6.8	<0.005	1.3	0.4	8	2	0.3	59	0.1	<0.5	2.8	0.166
3481508	Drill Core	2.31	200	0.3	2.576	0.8	12.1	0.039	6.6	4.5	<0.005	1.4	0.3	8	3	0.2	42	<0.1	<0.5	2.6	0.076
3481509	Drill Core	0.98	119	0.4	5.042	0.9	13.6	0.021	0.9	0.6	<0.005	<0.1	<0.1	3	<1	0.2	66	0.1	<0.5	2.2	0.048
3481510	Drill Core	0.88	135	0.4	5.049	1.1	13.7	0.026	0.9	1.9	<0.005	<0.1	0.2	4	<1	0.2	88	0.1	<0.5	3.2	0.057
3481511	Drill Core	0.81	119	0.4	4.961	1.3	14.6	0.024	1.7	0.6	<0.005	<0.1	0.2	3	<1	0.2	65	0.1	<0.5	2.0	0.064
3481512	Drill Core	2.17	209	0.5	3.334	1.0	71.7	0.034	16.5	1.6	<0.005	4.4	0.5	5	9	<0.1	47	0.1	0.9	3.3	0.053
3481513	Drill Core	1.37	306	0.3	4.887	1.2	41.3	0.164	3.1	1.3	<0.005	0.2	0.2	6	<1	0.4	97	<0.1	<0.5	5.8	0.054
3481514	Drill Core	1.23	262	0.3	6.337	1.4	25.2	0.080	2.5	0.9	<0.005	<0.1	<0.1	8	<1	0.5	103	0.1	0.5	7.4	0.065
3481515	Drill Core	1.15	249	0.5	5.133	1.3	13.2	0.049	1.4	1.3	<0.005	<0.1	0.2	6	<1	0.5	89	0.1	<0.5	4.6	0.056
3481516	Drill Core	1.16	234	0.3	5.264	1.0	25.2	0.275	2.2	2.7	<0.005	<0.1	0.2	5	1	0.3	87	<0.1	<0.5	6.8	0.039
3481517	Drill Core	1.88	271	0.4	6.205	1.8	39.7	0.050	9.8	4.5	<0.005	0.1	0.2	12	<1	0.7	86	0.2	<0.5	6.1	0.090
3481518	Drill Core	1.98	198	0.6	7.462	1.9	64.3	0.076	4.6	4.7	<0.005	0.2	0.2	15	<1	0.6	80	0.2	<0.5	7.3	0.120
3481519	Drill Core	1.08	196	0.5	5.504	1.3	25.8	0.047	2.1	1.5	<0.005	<0.1	0.1	6	<1	0.3	68	<0.1	<0.5	4.2	0.053
3481520	Rock Pulp	3.64	1854	2.4	2.090	17.6	134.4	0.162	4.7	20.2	<0.005	0.7	2.5	19	<1	1.8	397	1.1	<0.5	3.2	0.890
3481521	Drill Core	1.23	203	0.9	4.935	0.9	19.0	0.044	1.3	3.7	<0.005	0.1	0.1	5	<1	0.2	74	<0.1	<0.5	3.7	0.041
3481522	Drill Core	0.78	187	0.5	5.086	0.9	11.8	0.032	1.5	2.8	<0.005	<0.1	0.2	4	<1	<0.1	89	<0.1	<0.5	3.6	0.035
3481523	Drill Core	0.89	136	0.5	4.894	1.1	18.2	0.029	1.3	0.8	<0.005	0.5	0.1	5	<1	0.3	62	0.1	<0.5	3.2	0.047
3481524	Drill Core	0.69	194	0.4	4.778	0.6	12.4	0.027	1.1	1.2	<0.005	<0.1	0.1	3	<1	0.2	81	<0.1	<0.5	2.3	0.028
3481525	Rock	0.01	53	0.6	7.060	<0.1	0.4	<0.001	2.7	42.2	<0.005	<0.1	0.2	<1	1	0.3	22	<0.1	<0.5	<0.1	0.002
3481526	Drill Core	2.33	236	0.4	2.208	0.6	14.8	0.024	5.1	0.3	<0.005	7.5	0.9	8	9	0.1	26	<0.1	1.8	2.8	0.035
3481527	Drill Core	0.89	105	0.3	4.273	1.7	3.5	0.040	1.5	0.2	<0.005	0.8	0.3	3	2	0.1	37	0.2	<0.5	2.8	0.074
3481528	Drill Core	0.66	138	0.2	4.221	0.9	4.7	0.022	1.3	0.1	<0.005	0.6	0.2	3	1	<0.1	38	<0.1	<0.5	1.6	0.047
3481529	Drill Core	1.30	303	0.3	4.169	2.1	12.4	0.049	1.2	0.9	<0.005	<0.1	0.1	5	<1	<0.1	64	0.2	<0.5	4.1	0.077
3481530	Drill Core	0.70	224	0.4	4.359	1.8	5.6	0.023	1.0	0.8	<0.005	<0.1	0.2	3	<1	0.2	65	0.2	<0.5	2.8	0.071

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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA530
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3481501	Drill Core	<0.5	0.2	285	0.1	32.6	127	163.4	
3481502	Drill Core	<0.5	0.2	286	<0.1	32.3	136	168.4	
3481503	Drill Core	<0.5	0.3	277	0.4	30.6	113	161.2	
3481504	Drill Core	<0.5	0.9	21	0.6	5.4	39	48.2	
3481505	Drill Core	<0.5	1.2	33	0.9	4.5	7	81.3	
3481506	Drill Core	<0.5	1.3	33	1.8	11.5	19	55.9	
3481507	Drill Core	<0.5	1.4	50	2.4	15.3	23	50.8	
3481508	Drill Core	<0.5	1.1	43	1.1	11.3	103	46.6	
3481509	Drill Core	<0.5	0.4	32	0.8	2.5	6	45.7	
3481510	Drill Core	<0.5	0.9	27	1.3	3.7	5	52.9	
3481511	Drill Core	<0.5	0.5	26	1.3	2.3	6	56.6	
3481512	Drill Core	0.7	1.2	33	2.4	5.9	14	53.6	
3481513	Drill Core	<0.5	2.0	33	1.3	15.2	7	64.4	
3481514	Drill Core	<0.5	2.4	43	1.8	14.5	6	92.6	
3481515	Drill Core	<0.5	2.0	34	1.5	11.3	4	70.4	
3481516	Drill Core	<0.5	5.3	32	1.0	15.7	2	64.7	
3481517	Drill Core	<0.5	1.1	73	1.3	13.5	162	89.8	
3481518	Drill Core	<0.5	2.6	110	1.8	14.0	5	114.0	
3481519	Drill Core	<0.5	2.0	41	2.3	8.1	2	72.5	
3481520	Rock Pulp	<0.5	0.9	161	1.4	21.1	103	121.4	
3481521	Drill Core	<0.5	1.8	39	1.0	4.2	3	70.0	
3481522	Drill Core	<0.5	3.0	27	0.6	4.7	2	61.7	
3481523	Drill Core	<0.5	0.7	41	1.0	3.5	4	71.2	
3481524	Drill Core	<0.5	0.7	22	0.6	3.6	3	39.9	
3481525	Rock	<0.5	<0.1	<1	<0.1	0.7	5	23.1	
3481526	Drill Core	<0.5	1.2	41	1.5	12.4	15	38.0	
3481527	Drill Core	<0.5	0.6	20	2.2	4.0	7	49.2	
3481528	Drill Core	<0.5	0.6	16	1.5	4.1	3	34.0	
3481529	Drill Core	<0.5	1.9	32	1.2	8.4	9	51.0	
3481530	Drill Core	<0.5	1.0	20	1.2	5.4	5	43.8	

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	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3481531	Drill Core	4.06	0.006	<0.1	5.53	7	46	1	<0.1	0.68	<0.1	24	3.6	19	11.3	1.61	1.0	<0.05	0.12	11.2	3.2
3481532	Drill Core	4.70	0.163	<0.1	5.47	6	19	2	0.2	0.39	<0.1	18	11.4	32	21.8	5.22	1.4	<0.05	0.06	9.1	3.9
3481533	Drill Core	3.65	0.015	<0.1	6.18	5	18	2	0.1	0.28	<0.1	32	14.2	38	2.5	7.07	1.8	<0.05	0.07	15.5	5.4
3481534	Drill Core	4.53	0.010	<0.1	6.02	20	40	2	0.2	2.41	<0.1	38	13.8	36	28.4	1.45	1.9	<0.05	0.15	18.1	3.2
3481535	Drill Core	3.91	<0.005	<0.1	6.12	34	67	1	0.2	2.64	<0.1	19	17.1	37	29.5	1.51	1.8	<0.05	0.20	8.3	3.1
3481536	Drill Core	4.21	8.254	0.1	6.07	35	17	2	0.9	1.50	<0.1	45	40.8	46	108.3	11.79	1.5	0.09	0.06	21.4	8.8
3481537	Drill Core	5.91	7.358	<0.1	6.46	4	24	<1	0.1	2.13	<0.1	41	6.8	29	24.4	3.38	1.3	<0.05	0.09	19.1	4.4
3481538	Drill Core	4.01	1.493	<0.1	6.84	9	12	1	0.5	0.35	<0.1	43	21.4	34	19.7	11.09	1.5	0.12	0.06	20.7	7.5
3481539	Drill Core	4.52	2.011	<0.1	6.98	2	11	<1	0.1	0.33	<0.1	23	23.3	39	5.8	14.83	1.4	0.09	0.04	10.1	7.4
3481540	Rock Pulp	0.07	>10	2.0	5.39	44	238	<1	0.8	3.90	0.1	12	34.4	517	120.9	4.58	1.4	<0.05	0.75	6.4	32.4
3481541	Drill Core	4.42	0.415	<0.1	6.23	2	11	1	0.3	0.37	<0.1	36	22.3	36	28.7	12.74	1.3	0.10	0.03	15.9	6.9
3481542	Drill Core	4.19	1.315	<0.1	5.80	8	5	2	0.6	2.20	<0.1	46	31.7	44	42.4	16.44	1.2	0.10	0.03	22.2	7.6
3481543	Drill Core	3.25	9.736	<0.1	5.70	2	10	<1	0.2	0.97	<0.1	38	14.9	41	4.5	10.80	1.6	0.07	0.03	18.5	5.7
3481544	Drill Core	3.65	1.210	<0.1	6.11	3	14	2	0.4	0.14	<0.1	27	16.7	42	22.3	9.97	1.3	<0.05	0.04	13.0	6.0
3481545	Drill Core	3.27		6.2	5.88	3	5	2	2.2	0.16	<0.1	98	18.8	37	14.7	12.87	1.3	0.05	0.02	49.6	5.8
3481546	Rock	0.20	0.010	<0.1	8.80	2	50	<1	<0.1	0.20	<0.1	2	<0.2	2	1.9	0.32	0.6	<0.05	4.41	0.9	24.1
3481547	Drill Core	3.62	>10	8.5	5.68	2	17	<1	1.1	0.54	<0.1	29	12.7	33	221.8	5.64	1.5	<0.05	0.07	14.1	3.3
3481548	Drill Core	4.38	>10	2.4	5.84	2	15	3	3.2	0.58	<0.1	91	12.4	44	7.6	7.76	1.3	<0.05	0.05	45.9	5.6
3481549	Drill Core	3.55	6.758	<0.1	6.23	10	19	2	1.1	0.83	<0.1	78	20.6	110	29.2	9.08	2.5	0.07	0.08	40.3	6.4

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 29, 2019

CERTIFICATE OF ANALYSIS TIM19001841.4

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3481531	Drill Core	0.72	168	0.3	4.480	0.9	10.9	0.021	1.2	2.6	<0.005	<0.1	0.1	3	<1	<0.1	79	0.1	<0.5	2.8	0.043
3481532	Drill Core	1.36	237	0.4	3.400	2.0	8.1	0.029	0.8	1.1	<0.005	<0.1	0.2	5	<1	0.1	44	0.2	<0.5	3.2	0.083
3481533	Drill Core	1.94	245	0.3	2.985	2.7	11.5	0.059	1.6	1.1	<0.005	<0.1	0.2	6	1	0.1	37	0.3	<0.5	3.8	0.105
3481534	Drill Core	1.55	320	0.3	5.040	1.5	16.1	0.047	1.6	3.3	<0.005	0.1	0.2	6	<1	0.4	87	0.2	<0.5	4.8	0.057
3481535	Drill Core	1.63	338	0.3	5.152	1.2	23.9	0.045	1.1	3.8	<0.005	0.2	0.1	9	<1	0.4	81	0.1	<0.5	4.4	0.054
3481536	Drill Core	2.82	549	0.3	2.282	2.0	116.0	0.025	3.6	1.9	<0.005	5.2	0.4	10	7	0.3	41	0.2	0.6	3.8	0.089
3481537	Drill Core	1.61	616	<0.1	4.982	1.7	21.1	0.058	1.0	0.6	<0.005	0.2	<0.1	6	<1	<0.1	65	0.2	<0.5	3.7	0.070
3481538	Drill Core	2.25	313	0.5	2.303	2.2	16.7	0.050	1.5	1.2	<0.005	0.2	0.2	6	<1	0.3	23	0.2	0.5	3.8	0.087
3481539	Drill Core	2.45	338	0.4	1.629	2.2	10.6	0.139	0.9	0.5	<0.005	<0.1	0.2	5	<1	0.1	28	0.2	<0.5	3.5	0.093
3481540	Rock Pulp	4.20	801	6.0	1.206	1.9	228.4	0.025	38.7	28.0	0.006	0.9	0.9	19	<1	0.4	95	0.1	1.0	1.9	0.250
3481541	Drill Core	2.37	299	0.4	1.502	2.1	26.8	0.133	0.8	0.4	<0.005	0.2	0.1	6	<1	<0.1	27	0.2	<0.5	3.6	0.087
3481542	Drill Core	3.63	911	0.6	0.233	2.3	54.3	0.116	1.4	3.6	<0.005	0.3	0.3	11	<1	<0.1	24	0.2	0.6	4.3	0.100
3481543	Drill Core	2.45	527	0.3	1.429	2.3	13.7	0.054	0.8	2.0	<0.005	<0.1	0.1	8	<1	0.1	27	0.2	<0.5	4.1	0.094
3481544	Drill Core	2.01	242	0.2	1.920	2.2	28.2	0.035	1.0	1.4	<0.005	0.1	0.2	9	<1	<0.1	32	0.2	<0.5	3.5	0.094
3481545	Drill Core	2.72	311	0.8	0.595	1.8	26.3	0.035	1.6	1.6	<0.005	<0.1	0.2	12	<1	0.2	13	0.2	1.3	4.0	0.079
3481546	Rock	0.03	57	0.3	7.616	<0.1	0.4	0.001	5.8	57.6	<0.005	<0.1	0.1	<1	1	0.2	66	<0.1	<0.5	0.3	0.002
3481547	Drill Core	1.16	223	0.5	3.384	1.9	29.6	0.043	1.6	1.2	<0.005	0.5	0.1	6	<1	0.1	46	0.2	0.5	3.7	0.085
3481548	Drill Core	1.82	249	<0.1	2.416	2.3	16.4	0.103	1.1	1.5	<0.005	<0.1	0.1	9	<1	0.1	39	0.2	1.8	5.4	0.099
3481549	Drill Core	2.32	256	0.2	2.098	4.3	62.7	0.193	1.5	4.0	<0.005	0.2	0.4	10	<1	0.1	48	0.6	0.9	11.1	0.151

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 29, 2019

CERTIFICATE OF ANALYSIS TIM19001841.4

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA530
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3481531	Drill Core	<0.5	1.2	21	0.8	5.0	4	38.1	
3481532	Drill Core	<0.5	1.2	25	2.7	5.6	12	44.8	
3481533	Drill Core	<0.5	5.8	34	3.4	7.9	17	53.3	
3481534	Drill Core	<0.5	1.9	33	2.3	9.5	4	61.7	
3481535	Drill Core	<0.5	1.4	42	2.0	9.2	2	60.6	
3481536	Drill Core	<0.5	3.4	63	4.4	13.3	17	46.5	
3481537	Drill Core	<0.5	1.3	30	3.8	7.2	6	50.1	
3481538	Drill Core	<0.5	1.8	33	5.4	5.9	16	48.3	
3481539	Drill Core	<0.5	1.8	34	4.6	4.4	16	46.3	
3481540	Rock Pulp	<0.5	0.5	135	13.4	9.7	78	48.6	13.1
3481541	Drill Core	<0.5	1.9	51	3.7	5.5	13	45.1	
3481542	Drill Core	<0.5	1.9	76	3.1	14.6	14	44.5	
3481543	Drill Core	<0.5	2.0	42	3.9	8.5	15	53.7	
3481544	Drill Core	<0.5	1.6	33	3.2	8.0	8	49.2	
3481545	Drill Core	<0.5	4.5	38	2.3	10.0	11	44.9	
3481546	Rock	0.7	0.2	<1	<0.1	2.3	7	28.3	
3481547	Drill Core	<0.5	2.9	23	3.2	7.4	5	48.4	
3481548	Drill Core	<0.5	2.6	36	3.9	16.8	6	47.9	
3481549	Drill Core	<0.5	4.4	53	5.4	13.6	7	91.5	

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 29, 2019

QUALITY CONTROL REPORT TIM19001841.4

Method		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
Unit		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
MDL		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
Pulp Duplicates																					
3481526	Drill Core	5.58	>10	0.4	5.39	73	14	3	2.2	0.27	<0.1	41	50.7	19	231.9	12.06	1.1	0.09	0.05	20.1	7.7
REP 3481526	QC			0.6	5.44	71	14	3	2.2	0.27	<0.1	45	50.1	20	232.1	11.90	1.0	0.06	0.05	21.7	8.6
Core Reject Duplicates																					
3481518	Drill Core	3.15	<0.005	<0.1	7.32	39	42	4	<0.1	1.62	<0.1	52	19.9	80	102.6	1.48	3.1	<0.05	0.25	21.6	6.3
DUP 3481518	QC		<0.005	<0.1	6.59	39	41	4	<0.1	1.56	<0.1	50	17.8	83	100.0	1.51	3.2	<0.05	0.24	21.2	6.4
Reference Materials																					
STD OREAS25A-4A	Standard			<0.1	9.17	11	153	1	0.4	0.27	<0.1	49	7.7	121	33.5	6.55	4.6	0.06	0.51	21.3	37.9
STD OREAS25A-4A	Standard			<0.1	9.08	10	146	<1	0.4	0.28	<0.1	46	7.4	110	31.2	6.38	4.1	0.07	0.50	20.8	38.2
STD OREAS45E	Standard			0.3	7.05	18	267	<1	0.4	0.06	<0.1	23	59.4	995	776.9	24.68	3.1	0.10	0.34	10.4	7.5
STD OREAS45H	Standard			0.1	8.28	18	360	<1	0.2	0.13	<0.1	26	89.6	674	814.4	20.74	3.7	0.15	0.21	13.7	14.8
STD OXC152	Standard		0.211																		
STD OXC152	Standard		0.218																		
STD OXH139	Standard		1.312																		
STD OXH139	Standard		1.270																		
STD OXN134	Standard		7.797																		
STD OXN134	Standard		7.568																		
STD OXP116	Standard																				
STD OXQ90	Standard																				
STD OXQ90	Standard																				
STD OREAS45E Expected				0.311	6.78	16.3	252		0.28	0.065	0.06	23.5	57	979	780	24.12	3.11	0.099	0.324	11	6.58
STD OREAS25A-4A Expected					8.87	9.94	147	0.93	0.37	0.301		47.3	7.7	115	33.9	6.6	4.14	0.09	0.482	21.8	36.7
STD OREAS45H Expected				0.147	7.99	16.9	332	1.09	0.17	0.135		23.6	88	602	767	19.52	3.6	0.1	0.205	12.4	13.1
STD OXC152 Expected			0.216																		
STD OXH139 Expected			1.312																		
STD OXN134 Expected			7.667																		
STD OXP116 Expected																					
STD OXQ90 Expected																					
BLK	Blank			<0.1	<0.01	1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	1	0.2	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 29, 2019

QUALITY CONTROL REPORT TIM19001841.4

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
Pulp Duplicates																					
3481526	Drill Core	2.33	236	0.4	2.208	0.6	14.8	0.024	5.1	0.3	<0.005	7.5	0.9	8	9	0.1	26	<0.1	1.8	2.8	0.035
REP 3481526	QC	2.37	231	0.4	2.195	0.6	14.7	0.023	4.9	0.5	<0.005	7.3	0.7	8	9	<0.1	26	<0.1	1.5	2.7	0.037
Core Reject Duplicates																					
3481518	Drill Core	1.98	198	0.6	7.462	1.9	64.3	0.076	4.6	4.7	<0.005	0.2	0.2	15	<1	0.6	80	0.2	<0.5	7.3	0.120
DUP 3481518	QC	1.93	201	0.6	7.189	2.3	60.1	0.076	3.7	3.1	<0.005	0.2	0.3	16	<1	0.5	73	0.2	<0.5	6.6	0.136
Reference Materials																					
STD OREAS25A-4A	Standard	0.37	537	2.4	0.143	20.9	46.0	0.052	24.4	58.9	<0.005	<0.1	0.6	13	2	4.1	51	1.6	<0.5	15.5	0.892
STD OREAS25A-4A	Standard	0.34	509	2.2	0.133	17.9	44.6	0.048	24.1	58.6	<0.005	<0.1	0.7	12	3	3.9	50	1.3	<0.5	15.4	0.900
STD OREAS45E	Standard	0.17	613	2.5	0.062	6.5	456.1	0.032	18.3	21.7	<0.005	<0.1	1.2	90	3	1.4	18	0.6	<0.5	12.7	0.538
STD OREAS45H	Standard	0.28	406	1.2	0.104	13.3	449.8	0.023	12.9	22.9	<0.005	<0.1	0.6	59	2	2.1	32	1.0	<0.5	8.0	0.919
STD OXC152	Standard																				
STD OXC152	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXP116	Standard																				
STD OXQ90	Standard																				
STD OXQ90	Standard																				
STD OREAS45E Expected		0.156	570	2.4	0.059	6.8	454	0.034	18.2	21.2		0.046	1	93	2.97	1.32	15.9	0.54	0.1	12.9	0.559
STD OREAS25A-4A Expected		0.327	480	2.41	0.131	20.9	45.8	0.048	25.2	61		0.047	0.65	13.7	2.4	4.06	48.5	1.4		15.8	0.93
STD OREAS45H Expected		0.238	380	1.55	0.09	14.8	423	0.023	11.9	22.5			0.63	57	2.02	1.93	27.1	1.08		7.26	0.878
STD OXC152 Expected																					
STD OXH139 Expected																					
STD OXN134 Expected																					
STD OXP116 Expected																					
STD OXQ90 Expected																					
BLK	Blank	<0.01	<1	<0.1	<0.001	<0.1	<0.1	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	2	<0.1	<1	<0.1	<0.5	<0.1	<0.001

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QUALITY CONTROL REPORT TIM19001841.4

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA530
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
Pulp Duplicates									
3481526	Drill Core	<0.5	1.2	41	1.5	12.4	15	38.0	
REP 3481526	QC	<0.5	1.2	40	1.4	12.2	16	39.1	
Core Reject Duplicates									
3481518	Drill Core	<0.5	2.6	110	1.8	14.0	5	114.0	
DUP 3481518	QC	<0.5	2.2	115	2.2	12.2	7	114.3	
Reference Materials									
STD OREAS25A-4A	Standard	<0.5	2.9	162	1.9	10.2	41	159.5	
STD OREAS25A-4A	Standard	<0.5	2.7	155	1.7	9.8	40	146.9	
STD OREAS45E	Standard	<0.5	2.5	312	1.2	7.0	46	105.5	
STD OREAS45H	Standard	<0.5	1.7	272	0.9	9.4	38	120.1	
STD OXC152	Standard								
STD OXC152	Standard								
STD OXH139	Standard								
STD OXH139	Standard								
STD OXN134	Standard								
STD OXN134	Standard								
STD OXP116	Standard								15.3
STD OXQ90	Standard								25.4
STD OXQ90	Standard								25.2
STD OREAS45E Expected		0.15	2.41	322	1.07	8.28	46.7	97	
STD OREAS25A-4A Expected		0.35	2.94	157	2	10.5	44.4	155	
STD OREAS45H Expected			1.68	263	0.99	10.4	39.7	131	
STD OXC152 Expected									
STD OXH139 Expected									
STD OXN134 Expected									
STD OXP116 Expected									14.92
STD OXQ90 Expected									24.88
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	0.2	

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MINERAL LABORATORIES
Canada

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 29, 2019

QUALITY CONTROL REPORT TIM19001841.4

		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank																				
Prep Wash																					
ROCK-TIM	Prep Blank		<0.005	<0.1	9.29	2	1019	1	<0.1	1.93	<0.1	32	4.0	5	3.3	2.28	2.4	<0.05	1.97	16.1	5.0
ROCK-TIM	Prep Blank		<0.005	<0.1	8.18	4	923	1	0.1	1.72	<0.1	28	4.3	2	2.6	2.15	2.0	<0.05	1.90	13.9	4.5

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 29, 2019

QUALITY CONTROL REPORT TIM19001841.4

		MA200 Mg % 0.01	MA200 Mn ppm 1	MA200 Mo ppm 0.1	MA200 Na % 0.001	MA200 Nb ppm 0.1	MA200 Ni ppm 0.1	MA200 P % 0.001	MA200 Pb ppm 0.1	MA200 Rb ppm 0.1	MA200 Re ppm 0.005	MA200 S % 0.1	MA200 Sb ppm 0.1	MA200 Sc ppm 1	MA200 Se ppm 1	MA200 Sn ppm 0.1	MA200 Sr ppm 1	MA200 Ta ppm 0.1	MA200 Te ppm 0.5	MA200 Th ppm 0.1	MA200 Ti % 0.001
BLK	Blank	<0.01	1	<0.1	0.003	<0.1	<0.1	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-TIM	Prep Blank	0.52	845	1.7	3.513	6.8	2.9	0.049	2.7	40.8	<0.005	<0.1	0.4	7	1	0.9	260	0.5	<0.5	3.4	0.274
ROCK-TIM	Prep Blank	0.48	785	1.4	3.448	6.2	1.3	0.044	2.9	38.3	<0.005	<0.1	0.3	7	<1	0.7	251	0.4	<0.5	3.2	0.221

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 29, 2019

QUALITY CONTROL REPORT TIM19001841.4

		MA200 Tl ppm 0.5	MA200 U ppm 0.1	MA200 V ppm 1	MA200 W ppm 0.1	MA200 Y ppm 0.1	MA200 Zn ppm 1	MA200 Zr ppm 0.1	FA530 Au gm/t 0.9
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1	
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								<0.9
Prep Wash									
ROCK-TIM	Prep Blank	<0.5	1.5	35	0.3	19.0	43	67.7	
ROCK-TIM	Prep Blank	<0.5	1.3	34	0.3	17.0	40	64.6	

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By: Quentin Yarie
Receiving Lab: Canada-Timmins
Received: August 22, 2019
Report Date: September 12, 2019

CERTIFICATE OF ANALYSIS TIM19001841M.1

CLIENT JOB INFORMATION

Project: SPJ
Shipment ID:
P.O. Number
Number of Samples: 1

SAMPLE DISPOSAL

RTRN-PLP Return After 90 days
RTRN-RJT Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PUL85	1	Pulverize to 85% passing 200 mesh			TIM
SPTRF	1	Split samples by riffle splitter			TIM
FS652	1	Metallic Sieve 1 kg to 150 mesh - save + and - fraction			TIM
FS652	1	Metallic Fire Assay - duplicate minus fraction analysis	50	Completed	TIM
EN002	1	Environmental disposal charge-Fire assay lead waste			TIM
FA550	1	Lead collection fire assay 50G fusion - Grav finish	50	Completed	TIM
FA550	1	Lead collection fire assay 50G fusion - Grav finish	50	Completed	TIM

ADDITIONAL COMMENTS

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC:

SCOTT INGLIS
Fire Assay Manager

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All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: September 12, 2019

CERTIFICATE OF ANALYSIS TIM19001841M.1

	Method	M150 1kg	FA450	FA450	FS652	FS652	FS652	FA550	FA550
	Analyte	TotWt	-Au	-Au + Au Wt		+ Au	Au Total	-Au	-Au
	Unit	g	gm/t	gm/t	g	gm/t	gm/t	gm/t	gm/t
	MDL	1	0.005	0.005	0.01	0.05	0.05	0.9	0.9
3481545	Drill Core	985	>10	>10	42.40	7442.10	361.21	40.7	44.7

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: September 12, 2019

QUALITY CONTROL REPORT TIM19001841M.1

	Method	M150 1kg	FA450	FA450	FS652	FS652	FS652	FA550	FA550
	Analyte	TotWt	-Au	-Au	+ Au Wt	+ Au	Au Total	-Au	-Au
	Unit	g	gm/t	gm/t	g	gm/t	gm/t	gm/t	gm/t
	MDL	1	0.005	0.005	0.01	0.05	0.05	0.9	0.9
Pulp Duplicates									
3481545	Drill Core	985	>10	>10	42.40	7442.10	361.21	40.7	44.7
REP 3481545	QC			>10				47.6	
Reference Materials									
STD OXC145	Standard			0.210					
STD OXC145	Standard		0.210						
STD OXH139	Standard			1.329					
STD OXH139	Standard		1.307						
STD OXN134	Standard		7.620						
STD OXP116	Standard								15.4
STD OXP116	Standard							15.0	
STD OXQ90	Standard				50.00	25.34			
STD OXQ90	Standard								25.1
STD OXQ90	Standard								25.2
STD OXQ90	Standard							25.1	
STD OXQ90	Standard							25.3	
STD OXQ90 Expected						24.88			
BLK	Blank			<0.005					
BLK	Blank			<0.005					
BLK	Blank				50.00	<0.05			
BLK	Blank		<0.005						
BLK	Blank		<0.005						
BLK	Blank								<0.9
BLK	Blank							<0.9	
Prep Wash									
ROCK-TIM	Prep Blank	980	<0.005	<0.005	33.71	<0.05	<0.05		

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By: Quentin Yarie
Receiving Lab: Canada-Timmins
Received: September 19, 2019
Report Date: September 24, 2019

CERTIFICATE OF ANALYSIS TIM19001841N.1

CLIENT JOB INFORMATION

Project: SPJ
Shipment ID:
P.O. Number
Number of Samples: 4

SAMPLE DISPOSAL

RTRN-PLP Return After 90 days
RTRN-RJT Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PUL85	4	Pulverize to 85% passing 200 mesh			TIM
FS652	4	Metallic Sieve 1 kg to 150 mesh - save + and - fraction			TIM
FS652	4	Metallic Fire Assay - duplicate minus fraction analysis	50	Completed	TIM
EN002	4	Environmental disposal charge-Fire assay lead waste			TIM
SPTRF	4	Split samples by riffle splitter			TIM
FA550	4	Lead collection fire assay 50G fusion - Grav finish	50	Completed	TIM
FA550	4	Lead collection fire assay 50G fusion - Grav finish	50	Completed	TIM

ADDITIONAL COMMENTS

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC:

SCOTT INGLIS
Fire Assay Manager

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"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: September 24, 2019

CERTIFICATE OF ANALYSIS TIM19001841N.1

	Method	M150 1kg	FA450	FA450	FS652	FS652	FS652	FA550	FA550
	Analyte	TotWt	-Au	-Au + Au Wt		+ Au	Au Total	-Au	-Au
	Unit	g	gm/t	gm/t	g	gm/t	gm/t	gm/t	gm/t
	MDL	1	0.005	0.005	0.01	0.05	0.05	0.9	0.9
3481512	Drill Core	930	>10	>10	25.81	2342.5	77.16	12.3	12.7
3481526	Drill Core	1110	>10	>10	32.16	77.67	17.17	15.6	15.1
3481547	Drill Core	975	>10	>10	29.58	4540.91	179.16	41.0	44.4
3481548	Drill Core	885	>10	>10	25.60	3423.8	136.52	39	38.2

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: September 24, 2019

QUALITY CONTROL REPORT TIM19001841N.1

	Method	M150 1kg	FA450	FA450	FS652	FS652	FS652	FA550	FA550
	Analyte	TotWt	-Au	-Au	+ Au Wt	+ Au	Au Total	-Au	-Au
	Unit	g	gm/t	gm/t	g	gm/t	gm/t	gm/t	gm/t
	MDL	1	0.005	0.005	0.01	0.05	0.05	0.9	0.9
Reference Materials									
STD OXP116	Standard							15.2	
STD OXP116	Standard								15.2
STD OXQ90	Standard							25.1	
STD OXQ90	Standard							25.2	
STD OXQ90	Standard								25.1
STD OXQ90	Standard								25.2
STD OXQ90	Standard				50.34	25.11			
STD OXQ90 Expected						24.88			
BLK	Blank							<0.9	
BLK	Blank								<0.9
BLK	Blank				50.00	<0.05			
Prep Wash									
ROCK-TIM	Prep Blank	940	>10	>10	28.05	<0.05	<0.05	<0.9	<0.9

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By: Quentin Yarie
Receiving Lab: Canada-Timmins
Received: August 29, 2019
Report Date: October 29, 2019

CERTIFICATE OF ANALYSIS TIM19001896.3

CLIENT JOB INFORMATION

Project: SPJ
Shipment ID:
P.O. Number
Number of Samples: 129

SAMPLE DISPOSAL

RTRN-PLP Return After 90 days
RTRN-RJT Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP85-500	123	Crush split and pulverize 250g of sample to 200mesh			TIM
SLBHP	6	Sort, label and box pulps			TIM
SHP01	129	Per sample shipping charges for branch shipments			TIM
FA450	125	50g Lead Collection Fire Assay Fusion - AAS Finish	50	Completed	TIM
EN002	129	Environmental disposal charge-Fire assay lead waste			TIM
MA200	129	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
EN001-MA	129	Environmental disposal fee - Multi-acid neutralization			VAN
FA530	2	Lead collection fire assay fusion - gravimetric finish	30	Completed	TIM

ADDITIONAL COMMENTS

Version 2 - Elements set to re-order alphabetically
Version 3 - Client wishes a grav run on sample 3481620 & 3481598

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC:

MAY LAI
Data Validation Specialist

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 29, 2019

CERTIFICATE OF ANALYSIS TIM19001896.3

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3481550	Drill Core	5.40	<0.005	<0.1	6.65	11	46	2	<0.1	1.52	<0.1	52	6.9	53	17.9	1.45	2.7	<0.05	0.14	23.2	2.7
3481551	Drill Core	5.43	<0.005	<0.1	5.75	17	49	2	<0.1	2.11	<0.1	34	8.5	43	16.8	1.01	2.4	<0.05	0.17	16.8	3.6
3481552	Drill Core	5.56	<0.005	<0.1	6.11	29	59	2	<0.1	1.24	<0.1	32	13.1	42	16.2	1.05	2.8	<0.05	0.24	14.5	4.9
3481553	Drill Core	5.74	<0.005	<0.1	6.36	9	40	2	<0.1	3.38	<0.1	56	4.4	36	10.0	1.07	2.4	<0.05	0.13	27.2	1.8
3481554	Drill Core	6.09	0.016	<0.1	6.29	11	49	<1	<0.1	2.63	<0.1	45	7.8	46	28.6	1.30	2.3	<0.05	0.16	21.8	2.0
3481555	Drill Core	5.19	0.189	<0.1	6.70	4	39	1	0.2	3.93	<0.1	42	2.5	22	4.5	1.26	1.6	<0.05	0.13	19.5	1.1
3481556	Drill Core	6.07	<0.005	<0.1	4.61	5	24	1	<0.1	8.15	<0.1	29	5.0	38	4.9	3.44	0.9	<0.05	0.09	13.5	2.9
3481557	Drill Core	5.95	<0.005	<0.1	5.95	10	46	<1	<0.1	2.89	<0.1	33	6.1	30	9.8	1.34	1.8	<0.05	0.14	14.8	1.7
3481558	Drill Core	3.52	<0.005	<0.1	5.69	5	35	1	<0.1	3.86	<0.1	38	3.4	29	8.3	1.10	1.5	<0.05	0.13	17.5	1.2
3481559	Drill Core	3.60	0.005	<0.1	6.19	21	53	2	<0.1	1.50	<0.1	33	8.6	32	31.3	0.74	2.0	<0.05	0.21	14.5	2.2
3481560	Rock Pulp	0.07	5.165	0.9	6.31	17	226	<1	0.3	5.50	0.2	12	40.8	251	136.8	7.26	1.7	0.06	0.46	5.2	17.8
3481561	Drill Core	3.38	<0.005	<0.1	6.05	17	53	1	<0.1	1.33	<0.1	32	7.8	28	19.6	0.80	1.8	<0.05	0.27	14.5	3.7
3481562	Drill Core	5.05	0.006	<0.1	5.65	37	49	2	<0.1	1.88	<0.1	22	12.9	62	52.2	0.93	3.4	<0.05	0.28	9.3	3.2
3481563	Drill Core	5.02	0.009	<0.1	5.75	13	44	4	<0.1	2.23	<0.1	26	5.2	24	12.6	0.73	1.5	<0.05	0.18	11.3	1.5
3481564	Drill Core	5.55	0.012	<0.1	6.16	8	35	2	<0.1	3.87	<0.1	39	15.2	20	7.1	0.96	1.7	<0.05	0.13	18.6	0.9
3481565	Drill Core	5.32	<0.005	<0.1	5.78	3	38	<1	<0.1	2.80	<0.1	27	2.4	19	5.9	0.80	1.6	<0.05	0.15	12.5	0.6
3481566	Drill Core	6.27	0.012	<0.1	5.56	10	44	2	<0.1	2.07	<0.1	23	5.7	26	10.4	0.65	1.9	<0.05	0.20	10.0	1.4
3481567	Drill Core	5.35	0.030	<0.1	5.64	23	54	3	<0.1	2.05	<0.1	43	17.8	48	28.8	0.78	3.6	<0.05	0.22	18.4	2.2
3481568	Drill Core	5.43	<0.005	<0.1	5.78	14	80	1	<0.1	0.97	<0.1	30	7.9	39	28.5	0.86	2.7	<0.05	0.38	12.7	4.7
3481569	Drill Core	3.88	<0.005	<0.1	5.33	8	56	1	<0.1	1.52	<0.1	44	1.9	14	6.6	0.64	0.8	<0.05	0.23	21.4	2.5
3481570	Drill Core	4.61	<0.005	<0.1	4.64	11	74	<1	<0.1	0.53	<0.1	10	3.2	29	7.0	0.61	1.5	<0.05	0.28	4.7	4.8
3481571	Drill Core	5.54	<0.005	<0.1	5.56	12	54	1	<0.1	0.85	<0.1	17	3.4	27	13.0	0.63	1.6	<0.05	0.23	7.7	3.2
3481572	Drill Core	5.50	0.019	<0.1	5.23	7	28	2	<0.1	1.93	<0.1	26	8.1	20	5.1	0.57	1.0	<0.05	0.13	11.8	0.6
3481573	Drill Core	5.39	<0.005	<0.1	5.82	5	30	1	<0.1	1.39	<0.1	18	1.9	18	3.5	0.46	1.7	<0.05	0.14	8.3	0.6
3481574	Drill Core	5.28	0.036	<0.1	5.69	26	48	2	0.2	1.62	<0.1	32	15.0	76	18.8	0.90	3.6	<0.05	0.35	13.5	2.6
3481575	Rock	0.21	<0.005	<0.1	9.14	2	53	<1	<0.1	0.20	<0.1	2	<0.2	<1	1.8	0.25	0.5	<0.05	4.04	1.0	25.9
3481576	Drill Core	6.10	0.007	<0.1	5.65	7	42	2	<0.1	1.40	<0.1	22	3.4	21	16.1	0.60	1.9	<0.05	0.39	10.1	2.0
3481577	Drill Core	5.77	0.009	<0.1	5.64	5	40	2	<0.1	1.70	<0.1	22	1.8	25	5.9	0.57	1.6	<0.05	0.16	10.4	1.7
3481578	Drill Core	5.82	0.008	<0.1	5.67	5	39	2	<0.1	2.34	<0.1	20	4.7	22	6.8	0.61	1.7	<0.05	0.16	8.9	1.4
3481579	Drill Core	5.62	0.024	<0.1	6.11	10	34	1	<0.1	3.49	<0.1	36	4.2	21	8.2	0.79	1.7	<0.05	0.14	17.2	1.0

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Project: SPJ
Report Date: October 29, 2019

CERTIFICATE OF ANALYSIS TIM19001896.3

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3481550	Drill Core	1.24	158	0.6	6.436	1.4	21.7	0.044	3.7	1.4	<0.005	<0.1	0.1	8	<1	1.8	91	0.1	<0.5	5.8	0.057
3481551	Drill Core	1.49	171	0.5	5.326	0.9	31.4	0.036	1.8	3.3	<0.005	<0.1	0.2	9	1	0.4	92	<0.1	<0.5	5.5	0.036
3481552	Drill Core	1.33	122	0.4	5.744	0.9	28.6	0.037	1.3	4.9	<0.005	<0.1	0.2	7	<1	0.2	97	<0.1	<0.5	5.1	0.038
3481553	Drill Core	1.88	275	0.3	5.432	1.1	12.5	0.041	1.2	4.6	<0.005	<0.1	0.1	12	<1	0.2	98	<0.1	<0.5	5.8	0.040
3481554	Drill Core	1.60	240	0.3	5.338	1.0	17.5	0.044	1.3	2.5	<0.005	<0.1	0.1	11	1	0.1	94	0.1	<0.5	6.0	0.036
3481555	Drill Core	2.01	345	0.1	5.762	0.8	9.3	0.028	1.0	2.7	<0.005	<0.1	0.1	13	<1	<0.1	91	<0.1	<0.5	4.2	0.027
3481556	Drill Core	4.13	1058	0.1	3.471	0.4	34.6	0.031	0.8	2.1	<0.005	<0.1	0.1	24	<1	<0.1	99	<0.1	<0.5	2.4	0.013
3481557	Drill Core	1.67	305	0.4	5.261	0.7	19.1	0.023	1.0	2.6	<0.005	<0.1	0.1	7	<1	<0.1	107	<0.1	<0.5	4.2	0.030
3481558	Drill Core	2.02	304	0.4	4.900	0.9	10.8	0.029	1.0	3.2	<0.005	<0.1	0.1	12	<1	<0.1	89	<0.1	0.7	4.4	0.020
3481559	Drill Core	1.00	144	0.3	6.131	0.8	22.6	0.032	1.0	2.5	<0.005	<0.1	0.1	6	<1	0.2	93	<0.1	<0.5	5.0	0.034
3481560	Rock Pulp	4.01	1271	2.6	1.973	3.2	119.6	0.042	18.1	15.4	<0.005	0.4	0.4	33	<1	0.5	110	0.2	<0.5	1.1	0.586
3481561	Drill Core	1.26	121	0.3	5.646	0.8	19.9	0.028	1.1	3.1	<0.005	<0.1	0.1	6	<1	<0.1	102	<0.1	<0.5	3.6	0.038
3481562	Drill Core	1.46	151	0.2	5.465	1.3	27.0	0.058	1.4	3.4	<0.005	0.1	0.1	9	<1	0.2	95	0.1	<0.5	6.2	0.051
3481563	Drill Core	1.22	181	0.1	5.588	0.7	14.8	0.067	0.9	3.0	<0.005	<0.1	0.2	7	<1	<0.1	89	<0.1	<0.5	4.0	0.026
3481564	Drill Core	1.96	277	0.3	5.442	0.7	11.0	0.036	0.9	3.4	<0.005	<0.1	0.2	11	<1	<0.1	85	0.1	<0.5	4.9	0.025
3481565	Drill Core	1.42	252	<0.1	5.536	0.5	6.5	0.029	0.8	1.5	<0.005	<0.1	0.1	7	<1	<0.1	76	<0.1	<0.5	3.2	0.020
3481566	Drill Core	1.15	178	0.3	5.440	0.9	13.0	0.035	0.9	2.4	<0.005	<0.1	0.1	6	<1	0.2	81	<0.1	<0.5	4.0	0.033
3481567	Drill Core	1.21	150	0.2	5.467	1.4	23.3	0.056	1.4	4.2	<0.005	0.1	0.3	6	<1	0.3	101	0.1	<0.5	8.3	0.046
3481568	Drill Core	1.27	87	0.4	5.009	1.2	22.9	0.036	1.8	10.0	<0.005	0.1	0.2	5	<1	0.2	120	0.1	<0.5	6.2	0.052
3481569	Drill Core	1.15	120	0.3	4.910	0.3	9.6	0.018	1.0	3.0	<0.005	<0.1	0.1	4	<1	<0.1	89	<0.1	<0.5	1.9	0.015
3481570	Drill Core	1.01	48	0.4	5.206	0.8	16.5	0.023	0.9	2.0	<0.005	<0.1	<0.1	4	<1	0.1	87	<0.1	<0.5	2.4	0.036
3481571	Drill Core	1.02	71	0.2	5.071	0.6	14.8	0.028	1.1	3.3	<0.005	<0.1	0.2	5	<1	<0.1	98	<0.1	<0.5	3.7	0.027
3481572	Drill Core	0.96	165	0.2	5.275	0.4	8.2	0.035	0.8	1.1	<0.005	<0.1	0.1	6	<1	<0.1	59	<0.1	<0.5	2.9	0.015
3481573	Drill Core	0.74	135	0.1	5.675	0.6	3.5	0.038	0.7	1.4	<0.005	<0.1	<0.1	4	<1	0.1	61	<0.1	<0.5	3.4	0.020
3481574	Drill Core	1.19	139	0.4	5.234	1.9	31.2	0.036	1.6	2.9	<0.005	0.3	0.2	6	<1	0.2	84	0.2	<0.5	8.6	0.058
3481575	Rock	0.03	43	0.1	7.598	<0.1	0.4	<0.001	5.5	53.2	<0.005	<0.1	0.1	<1	<1	<0.1	63	<0.1	<0.5	0.4	0.001
3481576	Drill Core	0.93	135	0.3	5.156	0.6	10.7	0.033	0.9	2.7	<0.005	<0.1	0.1	5	<1	0.1	80	<0.1	<0.5	3.8	0.025
3481577	Drill Core	0.96	142	0.2	5.305	0.6	7.7	0.046	0.8	2.0	<0.005	<0.1	0.1	8	1	0.1	73	<0.1	<0.5	3.6	0.023
3481578	Drill Core	1.26	164	0.3	5.473	0.7	8.3	0.034	0.9	1.6	<0.005	<0.1	<0.1	7	<1	<0.1	75	<0.1	<0.5	3.2	0.027
3481579	Drill Core	1.78	223	0.1	5.424	0.7	9.9	0.046	1.0	3.3	<0.005	<0.1	0.1	9	<1	0.1	83	<0.1	<0.5	4.4	0.028

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Project: SPJ
Report Date: October 29, 2019

CERTIFICATE OF ANALYSIS TIM19001896.3

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA530
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3481550	Drill Core	<0.5	2.0	45	1.6	7.8	2	99.5	
3481551	Drill Core	<0.5	1.0	35	0.7	6.8	2	88.7	
3481552	Drill Core	<0.5	1.7	44	0.9	5.9	3	97.1	
3481553	Drill Core	<0.5	2.2	30	1.0	9.5	2	85.4	
3481554	Drill Core	<0.5	1.3	33	0.6	7.4	2	88.2	
3481555	Drill Core	<0.5	1.5	26	1.3	7.7	2	52.7	
3481556	Drill Core	<0.5	2.2	77	0.7	11.8	4	42.0	
3481557	Drill Core	<0.5	1.1	40	1.2	7.0	1	58.3	
3481558	Drill Core	<0.5	2.0	30	1.1	9.3	2	50.7	
3481559	Drill Core	<0.5	1.6	29	0.9	6.1	2	74.3	
3481560	Rock Pulp	<0.5	0.3	275	5.8	18.9	89	56.7	
3481561	Drill Core	<0.5	1.1	34	0.6	6.0	2	59.0	
3481562	Drill Core	<0.5	1.6	43	1.0	7.4	2	112.8	
3481563	Drill Core	<0.5	0.9	24	1.0	7.7	1	54.1	
3481564	Drill Core	<0.5	1.8	34	1.3	10.8	2	56.3	
3481565	Drill Core	<0.5	0.7	29	0.8	6.9	2	54.9	
3481566	Drill Core	<0.5	1.1	26	1.5	7.1	2	64.4	
3481567	Drill Core	<0.5	2.0	33	1.5	9.1	2	113.9	
3481568	Drill Core	<0.5	1.9	35	0.4	7.3	3	86.3	
3481569	Drill Core	<0.5	0.4	21	0.1	6.0	2	28.9	
3481570	Drill Core	<0.5	0.5	30	0.1	3.0	3	53.0	
3481571	Drill Core	<0.5	0.9	25	0.2	3.9	3	56.8	
3481572	Drill Core	<0.5	2.0	13	0.7	6.2	2	38.1	
3481573	Drill Core	<0.5	1.3	15	0.8	5.1	1	56.8	
3481574	Drill Core	<0.5	2.6	37	1.4	7.6	2	132.4	
3481575	Rock	0.6	0.3	<1	<0.1	2.5	6	25.6	
3481576	Drill Core	<0.5	1.0	21	0.7	5.9	2	66.9	
3481577	Drill Core	<0.5	0.9	21	0.7	5.7	1	54.3	
3481578	Drill Core	<0.5	0.8	26	0.8	6.1	1	56.5	
3481579	Drill Core	<0.5	2.1	27	1.7	8.4	1	60.2	

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CERTIFICATE OF ANALYSIS TIM19001896.3

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3481580	Rock Pulp	0.07	0.523	0.1	7.37	6	145	<1	0.1	6.63	0.1	10	45.4	169	150.6	7.78	1.6	0.10	0.19	3.9	11.3
3481581	Drill Core	6.42	0.024	<0.1	6.34	5	31	1	<0.1	6.14	<0.1	38	4.3	27	3.7	1.30	1.6	0.05	0.13	18.3	1.1
3481582	Drill Core	6.66	0.014	<0.1	6.53	11	41	2	<0.1	4.14	<0.1	58	4.5	31	8.1	1.13	2.3	<0.05	0.17	29.2	3.4
3481583	Drill Core	6.34	<0.005	<0.1	5.94	7	36	<1	<0.1	4.80	<0.1	65	3.1	19	6.5	1.09	1.3	<0.05	0.14	34.6	1.6
3481584	Drill Core	3.58	0.031	<0.1	5.83	17	55	2	<0.1	1.59	<0.1	58	18.4	23	10.1	0.91	1.3	<0.05	0.17	30.1	4.2
3481585	Drill Core	4.32	0.060	<0.1	6.01	11	53	2	<0.1	6.33	<0.1	37	7.1	41	4.8	1.43	2.1	<0.05	0.22	18.5	2.6
3481586	Drill Core	4.42	0.006	<0.1	5.90	18	76	<1	<0.1	0.80	<0.1	29	5.6	23	13.9	0.81	1.6	<0.05	0.28	13.2	3.3
3481587	Drill Core	5.46	<0.005	<0.1	4.78	20	82	1	<0.1	0.50	<0.1	22	5.1	20	12.0	0.74	1.2	<0.05	0.26	10.4	3.0
3481588	Drill Core	4.58	0.008	<0.1	5.71	12	95	<1	<0.1	0.68	<0.1	28	4.1	16	20.7	0.59	1.0	<0.05	0.31	14.0	2.5
3481589	Drill Core	3.23	<0.005	<0.1	5.47	6	86	1	<0.1	1.11	<0.1	33	2.1	15	6.6	0.67	1.0	<0.05	0.29	17.1	2.6
3481590	Drill Core	4.67	<0.005	<0.1	4.94	16	87	<1	<0.1	0.58	<0.1	21	3.7	21	9.4	0.84	1.2	<0.05	0.26	10.3	3.5
3481591	Drill Core	5.46	<0.005	<0.1	5.63	18	87	1	<0.1	0.68	<0.1	24	4.3	15	21.2	0.70	1.0	<0.05	0.24	11.7	2.5
3481592	Drill Core	5.72	0.006	<0.1	5.64	13	79	1	<0.1	0.77	<0.1	22	4.1	14	12.0	0.65	1.0	<0.05	0.25	10.9	2.4
3481593	Drill Core	4.74	0.006	<0.1	4.81	19	77	1	<0.1	0.58	<0.1	25	5.8	27	22.8	0.98	1.5	<0.05	0.24	12.1	3.7
3481594	Drill Core	4.59	0.035	<0.1	5.80	97	47	1	0.1	0.90	<0.1	17	8.6	22	57.7	1.18	1.2	<0.05	0.17	8.2	2.6
3481595	Drill Core	4.75	0.107	<0.1	5.88	50	59	2	0.4	0.29	<0.1	41	23.1	32	29.9	3.08	1.3	<0.05	0.19	21.8	5.4
3481596	Drill Core	4.15	0.104	<0.1	5.20	251	25	<1	<0.1	0.21	<0.1	53	8.9	29	9.5	5.91	1.2	<0.05	0.08	27.8	6.1
3481597	Drill Core	3.91	0.701	<0.1	5.85	7	30	2	0.5	2.39	<0.1	35	20.2	43	69.4	7.90	1.0	<0.05	0.08	18.3	4.7
3481598	Rock Pulp	0.07	>10	1.9	5.52	62	231	<1	0.7	3.94	0.2	12	33.7	513	119.8	4.51	1.3	0.05	0.72	6.5	30.0
3481599	Drill Core	3.50	1.399	<0.1	5.51	4	3	2	0.7	2.22	<0.1	26	14.0	36	79.1	12.64	1.0	0.10	0.02	13.7	6.6
3481600	Drill Core	4.25	2.230	<0.1	5.96	60	15	3	1.4	2.69	<0.1	82	239.1	47	249.6	13.24	1.4	0.11	0.06	41.5	6.1
3481601	Drill Core	3.07	0.641	<0.1	5.35	15	26	2	0.4	3.09	<0.1	41	19.2	47	279.1	9.08	1.3	0.11	0.07	21.2	5.2
3481602	Drill Core	3.51		<0.1	6.02	353	6	2	0.3	1.10	<0.1	37	46.5	45	77.9	13.21	1.6	0.14	0.02	18.4	8.9
3481603	Rock	0.20	<0.005	<0.1	8.90	2	48	<1	<0.1	0.21	<0.1	2	<0.2	<1	2.5	0.25	0.3	<0.05	4.01	1.0	25.0
3481604	Drill Core	3.93	0.543	<0.1	5.90	49	33	1	<0.1	0.24	<0.1	41	7.8	54	11.2	7.48	1.8	0.07	0.09	20.9	8.4
3481605	Drill Core	3.61	3.740	<0.1	6.38	77	6	2	<0.1	0.83	<0.1	49	15.3	80	116.3	13.34	2.9	0.17	0.02	24.1	12.1
3481606	Drill Core	2.43	0.674	<0.1	6.07	37	16	2	<0.1	0.69	<0.1	32	5.6	55	21.5	7.73	2.0	0.07	0.05	15.3	6.9
3481607	Drill Core	2.70		<0.1	6.32	4	12	2	0.8	0.90	<0.1	32	14.7	62	99.9	10.58	1.8	0.11	0.04	15.9	8.3
3481608	Drill Core	3.98	0.026	<0.1	5.30	40	55	1	<0.1	1.16	<0.1	22	15.3	32	25.3	1.10	1.7	<0.05	0.18	10.1	3.8
3481609	Drill Core	3.66	0.011	<0.1	5.66	13	56	2	0.1	0.62	<0.1	25	7.7	58	13.6	2.65	1.9	<0.05	0.20	12.1	7.3

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 29, 2019

CERTIFICATE OF ANALYSIS TIM19001896.3

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3481580	Rock Pulp	4.30	1412	0.6	2.439	3.6	91.8	0.043	2.9	3.7	<0.005	0.1	0.5	42	<1	0.8	114	0.3	<0.5	0.8	0.667
3481581	Drill Core	3.36	371	0.2	5.623	0.7	8.5	0.032	1.1	3.3	<0.005	<0.1	0.2	14	<1	0.2	90	0.1	<0.5	5.5	0.024
3481582	Drill Core	2.40	262	0.4	5.589	1.0	18.7	0.039	1.3	7.2	<0.005	<0.1	0.3	12	<1	0.3	99	0.2	0.6	6.6	0.035
3481583	Drill Core	2.59	297	0.3	5.085	0.4	8.3	0.025	1.2	4.9	<0.005	<0.1	0.1	13	<1	0.2	98	<0.1	<0.5	3.6	0.014
3481584	Drill Core	1.22	122	0.2	5.287	0.6	30.4	0.026	1.4	4.3	<0.005	0.2	0.3	5	<1	0.1	95	<0.1	<0.5	3.7	0.024
3481585	Drill Core	3.61	343	0.7	4.985	0.8	22.3	0.037	1.3	8.6	<0.005	<0.1	0.2	14	<1	0.3	120	<0.1	<0.5	6.2	0.033
3481586	Drill Core	1.08	89	0.4	5.549	0.7	18.3	0.034	1.2	3.5	<0.005	<0.1	<0.1	5	<1	0.2	89	<0.1	<0.5	3.8	0.036
3481587	Drill Core	0.90	62	0.4	5.045	0.7	17.3	0.023	1.0	2.6	<0.005	<0.1	0.1	3	<1	0.2	78	<0.1	<0.5	2.3	0.030
3481588	Drill Core	0.66	79	0.7	5.004	0.6	11.4	0.020	1.0	7.5	<0.005	<0.1	0.1	3	<1	0.2	94	<0.1	<0.5	2.7	0.028
3481589	Drill Core	0.83	117	1.0	5.031	0.5	7.9	0.020	1.0	5.2	<0.005	<0.1	0.1	5	<1	0.2	82	<0.1	<0.5	2.5	0.023
3481590	Drill Core	0.85	85	0.8	5.359	0.6	17.1	0.023	1.1	2.2	<0.005	<0.1	0.1	3	<1	0.2	78	<0.1	<0.5	2.9	0.032
3481591	Drill Core	0.68	91	0.5	4.963	0.5	13.2	0.022	1.2	5.6	<0.005	<0.1	0.2	4	1	0.2	91	<0.1	<0.5	3.3	0.023
3481592	Drill Core	0.63	95	0.2	4.954	0.4	9.9	0.024	1.0	6.1	<0.005	<0.1	0.2	3	<1	0.2	91	<0.1	<0.5	2.8	0.022
3481593	Drill Core	0.98	78	0.4	5.139	0.7	16.5	0.030	1.0	2.5	<0.005	<0.1	0.1	4	<1	0.2	84	<0.1	<0.5	3.0	0.034
3481594	Drill Core	0.82	153	0.2	5.200	0.8	17.4	0.027	1.2	2.6	<0.005	<0.1	0.2	3	<1	0.1	76	<0.1	<0.5	2.7	0.034
3481595	Drill Core	1.28	101	0.8	4.474	1.0	25.5	0.024	1.5	5.3	<0.005	<0.1	0.2	5	<1	<0.1	82	0.1	<0.5	3.3	0.049
3481596	Drill Core	1.63	153	0.3	2.527	1.3	12.3	0.048	1.2	2.3	<0.005	<0.1	0.3	6	<1	0.1	37	0.1	<0.5	3.1	0.057
3481597	Drill Core	2.48	937	0.2	2.639	1.4	19.1	0.024	1.6	3.5	<0.005	0.4	0.1	10	<1	<0.1	63	0.1	0.6	2.8	0.068
3481598	Rock Pulp	4.32	762	6.0	1.252	1.9	228.1	0.030	37.5	28.1	<0.005	0.8	0.9	20	<1	0.5	86	0.1	0.9	2.0	0.251
3481599	Drill Core	3.78	1138	0.5	0.455	1.5	14.0	0.023	1.2	1.8	<0.005	0.3	0.1	16	<1	0.2	24	0.1	0.7	2.8	0.066
3481600	Drill Core	3.47	1542	0.8	1.417	1.7	26.3	0.031	1.5	2.7	<0.005	1.0	0.2	17	2	0.1	48	0.2	0.7	3.7	0.076
3481601	Drill Core	2.86	1404	0.5	2.056	1.5	20.7	0.019	0.8	2.8	<0.005	0.7	0.1	15	2	0.1	68	0.2	<0.5	3.5	0.069
3481602	Drill Core	3.46	705	0.4	0.642	2.1	14.2	0.035	0.9	1.4	<0.005	0.4	0.3	17	1	<0.1	20	0.2	<0.5	4.3	0.090
3481603	Rock	0.03	40	0.2	7.992	<0.1	0.3	0.002	5.2	51.0	<0.005	<0.1	0.2	<1	1	0.1	58	<0.1	<0.5	0.4	0.002
3481604	Drill Core	2.18	259	0.4	2.536	2.2	13.9	0.041	1.0	2.4	<0.005	<0.1	<0.1	10	<1	0.1	55	0.2	<0.5	4.2	0.095
3481605	Drill Core	3.63	597	0.3	0.798	3.6	20.7	0.056	1.1	1.3	<0.005	0.6	0.3	18	<1	0.1	20	0.4	<0.5	6.6	0.146
3481606	Drill Core	2.25	380	0.1	2.427	2.6	14.6	0.036	0.8	1.6	<0.005	<0.1	<0.1	9	<1	<0.1	41	0.3	<0.5	5.0	0.113
3481607	Drill Core	3.04	643	0.3	1.877	2.1	24.1	0.031	1.1	1.1	<0.005	0.7	0.1	17	2	<0.1	33	0.2	<0.5	3.9	0.102
3481608	Drill Core	1.05	195	0.5	5.163	0.7	20.2	0.032	1.2	4.0	<0.005	<0.1	0.2	5	<1	0.2	84	<0.1	<0.5	3.1	0.038
3481609	Drill Core	1.55	177	0.4	5.127	1.2	21.9	0.036	1.2	3.0	<0.005	<0.1	0.1	7	<1	0.2	68	0.1	<0.5	3.7	0.073

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Project: SPJ
Report Date: October 29, 2019

CERTIFICATE OF ANALYSIS TIM19001896.3

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA530
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3481580	Rock Pulp	<0.5	0.1	314	1.2	21.1	83	45.7	
3481581	Drill Core	<0.5	5.6	60	1.4	14.9	<1	59.1	
3481582	Drill Core	<0.5	2.6	51	0.9	12.6	2	82.2	
3481583	Drill Core	<0.5	1.2	42	0.4	10.1	2	44.6	
3481584	Drill Core	<0.5	1.0	33	0.2	5.8	2	46.5	
3481585	Drill Core	<0.5	2.2	93	0.6	15.5	2	70.8	
3481586	Drill Core	<0.5	1.2	31	0.5	4.1	9	61.7	
3481587	Drill Core	<0.5	0.5	28	0.1	2.6	2	41.4	
3481588	Drill Core	<0.5	1.0	22	0.3	3.3	3	37.0	
3481589	Drill Core	<0.5	0.7	26	0.2	4.5	3	36.4	
3481590	Drill Core	<0.5	0.6	30	0.3	2.7	2	43.6	
3481591	Drill Core	<0.5	2.0	22	0.3	3.5	2	36.1	
3481592	Drill Core	<0.5	1.1	20	0.3	2.9	2	37.3	
3481593	Drill Core	<0.5	0.7	32	0.2	3.2	2	53.5	
3481594	Drill Core	<0.5	0.9	22	0.8	4.9	1	45.2	
3481595	Drill Core	<0.5	0.8	33	1.0	3.7	5	46.5	
3481596	Drill Core	<0.5	1.1	28	2.7	5.8	9	41.8	
3481597	Drill Core	<0.5	1.0	45	2.5	11.6	14	36.1	
3481598	Rock Pulp	<0.5	0.5	137	13.2	10.0	80	47.1	12.0
3481599	Drill Core	<0.5	1.1	59	3.0	13.6	19	34.7	
3481600	Drill Core	<0.5	3.0	58	3.5	20.6	14	48.8	
3481601	Drill Core	<0.5	1.1	55	10.0	12.3	10	45.9	
3481602	Drill Core	<0.5	1.5	47	5.6	9.0	18	51.2	
3481603	Rock	0.6	0.2	<1	<0.1	2.1	6	15.1	
3481604	Drill Core	<0.5	1.4	45	5.1	6.4	13	62.5	
3481605	Drill Core	<0.5	2.0	65	7.2	16.5	18	89.1	
3481606	Drill Core	<0.5	2.0	42	4.5	11.1	13	61.8	
3481607	Drill Core	<0.5	1.4	65	11.4	12.2	14	55.5	
3481608	Drill Core	<0.5	0.9	35	0.8	4.9	2	59.9	
3481609	Drill Core	<0.5	1.2	48	1.7	5.7	7	71.8	

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 29, 2019

CERTIFICATE OF ANALYSIS TIM19001896.3

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3481610	Drill Core	6.35	0.005	<0.1	5.81	43	74	2	<0.1	0.70	<0.1	28	14.2	33	57.2	1.69	1.6	<0.05	0.23	13.7	4.3
3481611	Drill Core	4.75	0.145	<0.1	5.76	16	28	<1	0.1	0.46	<0.1	38	16.4	39	11.2	6.31	1.4	0.08	0.08	20.5	8.2
3481612	Drill Core	3.32	1.510	<0.1	6.09	21	48	3	<0.1	1.82	<0.1	37	17.3	69	21.0	6.78	1.8	0.05	0.13	18.8	6.8
3481613	Drill Core	2.89	0.011	<0.1	5.65	68	75	2	0.6	0.84	<0.1	32	25.0	26	99.2	1.41	1.4	<0.05	0.19	15.6	3.5
3481614	Drill Core	2.95	0.441	<0.1	6.21	55	21	1	0.7	0.14	<0.1	32	54.5	49	73.9	8.50	1.5	0.08	0.06	16.1	5.6
3481615	Drill Core	3.66	0.015	<0.1	5.66	13	49	1	<0.1	0.20	<0.1	31	17.0	48	22.0	6.63	1.3	0.09	0.12	15.6	6.4
3481616	Drill Core	3.89	0.287	<0.1	6.64	58	5	<1	0.3	0.11	<0.1	25	65.8	83	3.7	14.95	2.1	0.10	0.02	11.6	9.9
3481617	Drill Core	4.43		<0.1	6.03	27	2	<1	0.3	0.30	<0.1	55	55.5	68	98.6	15.48	2.3	0.11	0.01	27.4	8.5
3481618	Drill Core	3.07	0.187	<0.1	6.33	215	15	1	0.2	0.24	<0.1	37	198.4	61	5.2	13.18	1.7	0.12	0.03	16.0	9.2
3481619	Drill Core	5.75	0.014	<0.1	5.15	12	52	1	<0.1	1.02	<0.1	17	5.2	30	20.4	1.46	1.3	<0.05	0.12	8.1	3.0
3481620	Rock Pulp	0.07	>10	2.1	5.58	59	254	<1	0.7	3.93	0.2	13	35.9	515	128.7	4.64	1.4	0.06	0.71	7.2	31.4
3481621	Drill Core	3.03	0.156	<0.1	6.20	10	57	2	0.3	0.95	<0.1	41	9.4	40	13.2	3.70	1.6	<0.05	0.16	21.4	4.9
3481622	Rock	0.20	0.026	<0.1	8.56	<1	44	<1	<0.1	0.20	<0.1	2	<0.2	1	1.3	0.24	0.3	<0.05	3.70	0.9	20.7
3481623	Drill Core	6.21	0.052	<0.1	5.71	12	57	1	0.1	1.17	<0.1	33	6.3	30	13.9	1.46	1.5	<0.05	0.17	16.5	3.2
3481624	Drill Core	3.73		<0.1	6.33	5	6	3	1.4	0.14	<0.1	30	75.1	52	155.2	17.00	1.5	0.15	0.02	14.4	9.5
3481625	Rock	0.20	<0.005	<0.1	8.09	<1	38	<1	<0.1	0.18	<0.1	1	<0.2	1	1.6	0.20	0.3	<0.05	4.34	0.4	21.7
3481626	Drill Core	3.27	0.695	<0.1	6.25	19	22	1	1.2	0.23	<0.1	28	28.2	46	9.3	9.06	1.8	0.06	0.06	13.3	5.7
3481627	Drill Core	3.76	0.112	<0.1	5.88	6	25	1	0.1	0.10	<0.1	34	12.4	41	8.3	6.78	1.5	0.06	0.06	17.4	4.0
3481628	Drill Core	5.34	0.110	<0.1	5.89	9	34	1	0.2	0.42	<0.1	59	11.5	50	23.3	6.63	1.6	0.06	0.10	29.5	5.4
3481629	Drill Core	3.44	4.035	<0.1	5.95	42	4	4	1.1	2.00	<0.1	32	84.1	64	162.7	16.10	1.8	0.15	0.02	15.5	8.3
3481630	Drill Core	3.24	0.037	<0.1	7.37	3	4	2	0.1	0.14	<0.1	42	26.0	139	7.2	17.72	3.0	0.12	0.02	19.1	11.9
3481631	Drill Core	3.14	0.023	<0.1	5.74	6	24	1	<0.1	0.28	<0.1	38	11.2	60	5.7	6.08	2.2	<0.05	0.08	18.8	4.7
3481632	Drill Core	4.90	0.006	<0.1	5.91	18	61	2	<0.1	0.86	<0.1	30	7.8	31	22.3	0.96	1.3	<0.05	0.19	14.1	2.9
3481633	Drill Core	5.28	0.006	<0.1	5.71	11	42	1	<0.1	0.68	<0.1	32	6.6	22	35.9	0.97	1.2	<0.05	0.14	15.1	1.8
3481634	Drill Core	3.80	0.104	<0.1	5.34	52	23	1	<0.1	0.64	<0.1	38	40.4	29	75.1	2.33	1.0	<0.05	0.08	19.0	2.2
3481635	Drill Core	5.52	0.028	<0.1	5.72	23	37	1	0.1	0.94	<0.1	39	12.6	31	25.4	1.01	1.6	<0.05	0.13	19.1	2.4
3481636	Drill Core	5.50	0.011	<0.1	5.46	12	43	1	<0.1	1.04	<0.1	23	6.4	14	8.3	0.55	1.0	<0.05	0.14	11.3	1.6
3481637	Drill Core	5.61	0.012	<0.1	4.52	17	55	2	<0.1	0.49	<0.1	22	7.4	18	69.7	0.79	1.3	<0.05	0.18	10.6	2.8
3481638	Drill Core	3.70	0.036	<0.1	5.16	16	50	<1	<0.1	1.02	<0.1	36	7.7	17	17.4	0.77	1.1	<0.05	0.16	17.4	1.2
3481639	Drill Core	3.57	0.025	<0.1	5.42	15	45	1	<0.1	0.74	<0.1	28	9.4	20	13.0	0.67	1.8	<0.05	0.17	14.4	2.8

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	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3481610	Drill Core	0.95	143	0.8	4.991	0.8	26.3	0.030	1.4	5.3	<0.005	<0.1	0.1	5	<1	0.2	100	<0.1	<0.5	3.4	0.041
3481611	Drill Core	1.69	215	0.6	3.024	1.9	11.0	0.021	0.9	2.0	<0.005	<0.1	0.1	6	<1	<0.1	50	0.2	<0.5	3.9	0.079
3481612	Drill Core	2.42	674	0.6	2.919	1.7	15.6	0.034	1.5	4.4	<0.005	<0.1	0.2	13	<1	0.1	77	0.2	<0.5	4.7	0.079
3481613	Drill Core	0.99	141	0.5	4.972	0.6	40.2	0.023	1.9	4.4	<0.005	0.1	0.3	4	<1	0.1	96	<0.1	<0.5	2.9	0.032
3481614	Drill Core	1.89	176	0.7	2.686	1.5	32.5	0.026	1.9	1.7	<0.005	0.6	0.2	9	3	0.2	38	0.2	0.5	4.0	0.072
3481615	Drill Core	1.76	150	0.5	2.950	2.2	14.7	0.024	1.0	4.3	<0.005	<0.1	0.2	8	<1	0.2	67	0.2	<0.5	3.3	0.090
3481616	Drill Core	3.31	270	0.6	0.737	6.3	19.0	0.029	1.3	0.9	<0.005	<0.1	0.2	14	<1	0.2	11	0.7	<0.5	5.4	0.202
3481617	Drill Core	3.31	287	0.5	0.073	3.4	24.8	0.086	1.1	2.2	<0.005	0.4	0.3	16	2	0.2	6	0.4	<0.5	5.9	0.136
3481618	Drill Core	2.97	272	0.5	1.426	2.8	25.3	0.030	0.9	0.3	<0.005	<0.1	0.3	14	<1	0.2	29	0.3	0.6	3.1	0.133
3481619	Drill Core	0.98	165	0.2	4.904	1.0	14.6	0.023	1.3	2.4	<0.005	<0.1	0.1	4	<1	0.2	90	<0.1	<0.5	2.6	0.045
3481620	Rock Pulp	4.39	811	6.1	1.270	2.1	231.5	0.029	44.9	30.1	<0.005	0.8	0.8	20	<1	0.5	91	0.2	0.7	2.1	0.261
3481621	Drill Core	1.51	179	0.4	4.567	1.4	15.1	0.027	1.5	5.3	<0.005	<0.1	0.2	7	<1	0.1	99	0.2	<0.5	3.7	0.063
3481622	Rock	0.03	37	0.2	7.712	0.1	0.4	0.001	4.7	52.4	<0.005	<0.1	0.1	<1	<1	<0.1	56	<0.1	<0.5	0.3	0.001
3481623	Drill Core	1.03	177	0.5	5.377	1.1	13.1	0.027	1.1	3.6	<0.005	<0.1	<0.1	5	<1	0.1	92	0.1	<0.5	3.0	0.048
3481624	Drill Core	3.21	303	0.6	0.505	2.1	31.7	0.024	2.2	1.5	<0.005	1.5	0.3	19	3	<0.1	11	0.2	0.8	3.6	0.093
3481625	Rock	0.03	39	0.2	7.873	0.1	0.4	0.001	4.6	49.1	<0.005	<0.1	0.1	<1	<1	<0.1	46	<0.1	<0.5	0.2	0.001
3481626	Drill Core	1.96	209	0.3	2.494	2.5	15.2	0.082	1.1	1.1	<0.005	<0.1	0.2	9	<1	<0.1	47	0.2	0.9	3.9	0.106
3481627	Drill Core	1.35	154	0.3	3.265	2.0	13.2	0.027	1.0	1.3	<0.005	<0.1	0.2	6	<1	<0.1	54	0.2	<0.5	3.7	0.095
3481628	Drill Core	1.64	176	0.6	3.348	1.8	14.3	0.028	1.2	3.8	<0.005	<0.1	0.2	8	<1	<0.1	61	0.2	<0.5	4.5	0.078
3481629	Drill Core	3.78	779	0.4	0.289	3.1	58.1	0.051	1.9	2.2	<0.005	0.7	0.3	21	3	0.2	25	0.3	1.0	5.8	0.136
3481630	Drill Core	3.63	352	0.4	0.745	6.2	31.9	0.050	1.1	0.8	<0.005	<0.1	0.3	18	<1	0.2	12	0.6	<0.5	6.3	0.287
3481631	Drill Core	1.48	151	0.3	3.264	3.3	19.4	0.030	1.1	1.9	<0.005	<0.1	0.1	8	<1	<0.1	57	0.3	<0.5	5.6	0.138
3481632	Drill Core	0.94	114	0.4	5.301	1.0	14.7	0.024	1.2	5.2	<0.005	<0.1	<0.1	4	<1	0.1	109	<0.1	<0.5	3.6	0.043
3481633	Drill Core	0.60	133	0.3	5.217	0.8	8.8	0.020	1.2	1.8	<0.005	<0.1	0.2	3	<1	<0.1	86	<0.1	<0.5	3.2	0.035
3481634	Drill Core	0.90	166	0.6	4.311	1.1	30.3	0.019	2.5	1.1	<0.005	0.2	0.1	5	<1	<0.1	63	0.1	<0.5	3.1	0.058
3481635	Drill Core	0.83	143	0.7	5.371	1.0	21.3	0.029	4.4	1.7	<0.005	0.2	0.2	4	<1	1.7	88	0.1	<0.5	4.0	0.045
3481636	Drill Core	0.65	137	0.2	5.256	0.4	8.8	0.020	1.0	2.3	<0.005	<0.1	0.1	3	<1	<0.1	89	<0.1	<0.5	2.5	0.019
3481637	Drill Core	0.61	77	0.5	5.044	0.6	17.8	0.018	1.2	1.6	<0.005	<0.1	0.2	3	<1	<0.1	80	<0.1	<0.5	2.3	0.027
3481638	Drill Core	0.61	159	0.6	5.127	0.7	13.8	0.018	1.3	2.4	<0.005	<0.1	0.2	4	<1	<0.1	85	0.1	<0.5	2.9	0.024
3481639	Drill Core	0.67	112	0.6	5.183	0.6	13.7	0.031	1.3	2.5	<0.005	<0.1	0.2	4	<1	<0.1	85	<0.1	<0.5	3.9	0.027

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 29, 2019

CERTIFICATE OF ANALYSIS TIM19001896.3

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA530
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3481610	Drill Core	<0.5	1.3	30	0.6	4.4	3	55.5	
3481611	Drill Core	<0.5	1.2	32	1.5	6.9	7	48.8	
3481612	Drill Core	<0.5	1.1	59	1.2	13.6	8	63.6	
3481613	Drill Core	<0.5	0.9	30	0.5	3.8	2	46.3	
3481614	Drill Core	<0.5	1.4	44	1.2	4.5	9	51.8	
3481615	Drill Core	<0.5	1.1	49	2.1	4.3	6	44.4	
3481616	Drill Core	<0.5	3.0	64	10.0	4.1	12	75.3	
3481617	Drill Core	<0.5	3.0	59	5.6	8.6	14	81.7	
3481618	Drill Core	<0.5	1.9	57	2.3	3.6	11	58.8	
3481619	Drill Core	<0.5	0.8	26	0.7	3.7	3	46.0	
3481620	Rock Pulp	<0.5	0.5	138	12.9	10.9	85	50.8	12.1
3481621	Drill Core	<0.5	1.0	39	1.3	5.8	4	54.6	
3481622	Rock	0.5	0.2	<1	<0.1	2.7	5	13.5	
3481623	Drill Core	<0.5	0.7	29	0.8	4.2	2	52.5	
3481624	Drill Core	<0.5	1.7	49	4.3	14.4	12	53.0	
3481625	Rock	0.5	0.1	<1	<0.1	1.5	5	15.4	
3481626	Drill Core	<0.5	1.5	34	3.6	5.5	7	62.1	
3481627	Drill Core	<0.5	1.2	34	2.5	3.4	7	53.5	
3481628	Drill Core	<0.5	1.5	33	2.4	4.8	5	54.4	
3481629	Drill Core	<0.5	3.1	59	4.3	20.3	17	56.2	
3481630	Drill Core	<0.5	4.5	87	7.4	6.4	13	108.9	
3481631	Drill Core	<0.5	2.2	47	4.1	6.0	6	79.6	
3481632	Drill Core	<0.5	1.2	31	0.5	4.3	1	50.7	
3481633	Drill Core	<0.5	0.9	20	0.8	4.1	3	41.9	
3481634	Drill Core	<0.5	0.9	23	1.7	5.1	11	39.9	
3481635	Drill Core	<0.5	1.1	27	0.5	5.7	2	62.6	
3481636	Drill Core	<0.5	0.8	17	0.3	3.5	<1	37.3	
3481637	Drill Core	<0.5	0.6	25	0.2	2.3	1	41.6	
3481638	Drill Core	<0.5	2.0	18	0.3	3.9	1	40.5	
3481639	Drill Core	<0.5	1.3	23	0.3	4.1	2	65.7	

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 29, 2019

CERTIFICATE OF ANALYSIS TIM19001896.3

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3481640	Rock Pulp	0.07	1.540	0.2	7.22	787	345	2	<0.1	5.44	<0.1	37	42.7	187	83.3	8.40	3.3	0.07	0.63	20.0	9.2
3481641	Drill Core	3.46	0.022	<0.1	5.35	24	48	1	<0.1	0.64	<0.1	33	8.8	13	11.8	0.60	1.2	<0.05	0.17	17.5	2.5
3481642	Drill Core	3.55	0.012	<0.1	5.43	14	46	2	0.2	1.23	<0.1	32	5.5	13	11.2	0.75	1.0	<0.05	0.18	16.2	3.9
3481643	Drill Core	2.48	0.131	<0.1	5.73	5	20	1	0.2	0.13	<0.1	24	13.2	46	4.2	7.33	1.5	0.06	0.06	11.7	5.3
3481644	Drill Core	4.28	0.279	<0.1	5.87	66	27	1	2.6	2.84	0.2	59	77.5	23	235.7	4.01	1.4	<0.05	0.12	27.9	2.9
3481645	Drill Core	5.11	0.014	<0.1	6.33	7	27	<1	<0.1	3.72	<0.1	38	5.2	27	6.8	2.65	1.3	<0.05	0.14	19.4	8.0
3481646	Drill Core	4.14	0.012	<0.1	5.57	11	19	<1	<0.1	1.57	<0.1	55	5.2	14	12.2	0.81	1.1	<0.05	0.09	29.7	3.2
3481647	Drill Core	4.98	0.007	<0.1	6.24	10	32	1	<0.1	2.91	<0.1	48	5.2	27	12.0	1.35	1.4	<0.05	0.25	25.2	9.0
3481648	Drill Core	5.47	0.005	<0.1	6.26	7	89	2	<0.1	3.44	<0.1	42	11.0	33	9.7	2.28	1.7	<0.05	0.39	22.6	12.3
3481649	Drill Core	6.82	<0.005	<0.1	8.33	2	483	1	<0.1	5.48	<0.1	47	57.2	46	43.8	10.75	4.3	0.10	0.85	19.6	19.7
3481650	Rock	0.20	<0.005	<0.1	6.41	2	28	<1	<0.1	0.16	<0.1	<1	0.2	<1	1.7	0.25	0.4	<0.05	3.86	0.2	22.7
3481651	Drill Core	6.71	0.018	<0.1	8.06	3	469	<1	<0.1	4.79	<0.1	46	56.2	43	43.8	10.30	4.2	0.08	0.98	20.0	29.5
3481652	Drill Core	5.37	0.008	<0.1	8.09	2	464	1	<0.1	4.48	0.1	47	55.8	44	45.4	10.01	3.8	0.08	1.26	21.3	37.2
3481653	Drill Core	5.86	0.020	<0.1	8.06	2	460	1	<0.1	5.06	<0.1	44	55.6	43	47.6	10.40	4.1	0.13	1.04	18.5	25.5
3481654	Drill Core	5.94	0.031	<0.1	8.33	3	479	<1	<0.1	5.31	<0.1	43	57.3	43	48.6	10.53	4.2	0.12	0.93	18.4	25.0
3481655	Drill Core	6.13	0.007	<0.1	8.42	3	471	<1	<0.1	4.75	<0.1	48	58.3	49	50.6	9.21	3.9	0.08	1.42	20.8	41.9
3481656	Drill Core	6.28	0.006	<0.1	8.18	2	424	<1	<0.1	5.49	<0.1	37	58.2	45	47.3	10.56	3.8	0.10	0.88	15.4	18.1
3481657	Drill Core	7.20	0.011	<0.1	8.36	2	474	<1	<0.1	5.70	<0.1	42	59.4	45	46.6	10.53	4.4	0.15	0.81	17.0	13.2
3481658	Drill Core	6.03	0.013	<0.1	8.05	3	474	2	<0.1	5.55	<0.1	41	56.3	45	44.7	10.54	3.8	0.11	0.77	17.2	13.3
3481659	Drill Core	4.81	0.007	<0.1	8.21	2	481	1	<0.1	5.82	<0.1	41	58.9	43	46.4	10.79	4.1	0.09	0.78	17.6	13.3
3481660	Rock Pulp	0.07	5.278	0.9	6.34	26	228	<1	0.3	5.39	0.3	13	40.8	282	141.8	7.08	1.6	0.08	0.46	5.5	16.7
3481661	Drill Core	5.73	0.011	<0.1	8.24	2	486	<1	<0.1	5.74	<0.1	41	58.0	43	46.4	10.52	4.2	0.10	0.79	16.8	15.4
3481662	Drill Core	4.53	0.011	<0.1	8.38	3	496	<1	<0.1	5.65	0.1	42	58.7	46	46.1	10.43	4.3	0.08	0.78	17.5	11.6
3481663	Drill Core	4.13	0.020	<0.1	4.86	8	49	<1	<0.1	4.97	<0.1	36	5.3	19	5.1	1.30	0.9	<0.05	0.13	19.2	5.5
3481664	Drill Core	5.10	0.007	<0.1	4.51	7	33	<1	<0.1	6.20	<0.1	48	2.4	27	5.7	1.49	0.8	<0.05	0.11	24.9	4.5
3481665	Drill Core	4.32	0.006	<0.1	5.93	17	50	2	<0.1	0.97	<0.1	54	6.3	17	8.1	0.66	1.1	<0.05	0.18	28.6	3.9
3481666	Drill Core	4.74	0.022	<0.1	6.06	22	33	<1	0.5	2.53	<0.1	34	8.9	23	32.5	0.88	1.5	<0.05	0.14	17.4	3.0
3481667	Drill Core	4.35	0.027	<0.1	5.76	28	27	1	0.4	2.14	<0.1	28	11.8	25	31.2	0.85	1.4	<0.05	0.11	14.0	1.6
3481668	Drill Core	3.00	0.043	<0.1	5.72	42	30	1	0.7	1.72	<0.1	47	20.5	26	73.3	0.79	1.4	<0.05	0.09	24.0	1.6
3481669	Drill Core	4.50	0.018	<0.1	5.77	14	37	1	<0.1	6.19	<0.1	48	9.6	36	3.6	1.68	1.7	0.06	0.22	24.3	3.7

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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3481640	Rock Pulp	3.90	1862	2.5	2.177	18.4	136.5	0.162	4.9	20.4	<0.005	0.7	2.3	19	<1	1.4	363	1.1	1.2	3.4	0.913
3481641	Drill Core	0.63	95	0.6	5.044	0.6	22.3	0.019	1.4	3.5	<0.005	<0.1	0.2	3	<1	<0.1	93	<0.1	<0.5	2.9	0.026
3481642	Drill Core	0.99	149	0.6	4.883	0.5	11.5	0.021	1.5	5.0	<0.005	<0.1	0.2	5	<1	<0.1	91	<0.1	<0.5	2.8	0.023
3481643	Drill Core	1.50	157	0.3	3.122	2.4	13.1	0.027	0.9	1.3	<0.005	<0.1	0.2	7	<1	<0.1	46	0.3	<0.5	4.1	0.097
3481644	Drill Core	1.64	284	0.7	5.185	0.5	184.1	0.024	11.5	1.7	<0.005	2.7	0.3	9	5	<0.1	78	<0.1	3.0	3.5	0.017
3481645	Drill Core	2.62	545	<0.1	4.836	1.1	22.6	0.029	2.7	1.9	<0.005	<0.1	0.3	13	<1	<0.1	79	0.1	0.7	3.5	0.042
3481646	Drill Core	1.04	222	0.1	5.205	0.7	10.6	0.025	2.8	0.7	<0.005	<0.1	0.3	4	<1	<0.1	58	<0.1	<0.5	3.1	0.030
3481647	Drill Core	2.23	360	0.4	4.976	1.0	11.6	0.029	1.8	2.7	<0.005	<0.1	0.3	14	<1	<0.1	81	0.1	<0.5	3.4	0.044
3481648	Drill Core	2.77	438	0.3	4.423	1.8	18.9	0.052	2.3	5.3	<0.005	<0.1	0.3	13	<1	0.3	127	0.2	0.9	3.0	0.261
3481649	Drill Core	3.88	1390	0.6	2.414	8.8	81.0	0.239	3.4	23.2	<0.005	<0.1	<0.1	25	<1	1.2	445	0.5	0.6	0.7	1.731
3481650	Rock	0.02	44	0.3	6.186	0.2	0.6	0.001	3.7	48.6	<0.005	<0.1	0.1	<1	<1	0.3	30	<0.1	<0.5	0.4	0.006
3481651	Drill Core	4.17	1312	0.6	1.946	8.6	77.7	0.247	4.3	27.7	<0.005	<0.1	0.2	27	<1	1.3	406	0.5	<0.5	0.8	1.730
3481652	Drill Core	4.01	1275	0.5	1.896	8.8	79.5	0.252	4.9	24.8	<0.005	0.1	0.2	25	<1	1.2	395	0.5	0.6	0.7	1.774
3481653	Drill Core	3.87	1418	0.8	2.011	9.0	75.0	0.237	4.0	22.2	<0.005	<0.1	<0.1	26	<1	1.4	442	0.5	<0.5	0.7	1.742
3481654	Drill Core	3.97	1529	0.6	2.123	8.7	84.5	0.249	4.6	20.4	<0.005	<0.1	<0.1	26	<1	1.5	435	0.5	<0.5	0.7	1.786
3481655	Drill Core	3.81	1220	0.5	1.918	8.5	85.4	0.234	3.6	16.1	<0.005	<0.1	<0.1	24	<1	1.5	455	0.5	<0.5	0.6	1.789
3481656	Drill Core	3.84	1620	0.6	2.058	8.2	81.7	0.227	2.8	23.0	<0.005	<0.1	0.1	26	<1	1.3	444	0.5	<0.5	0.7	1.706
3481657	Drill Core	3.81	1681	0.6	2.206	8.8	80.2	0.239	3.2	16.5	<0.005	<0.1	<0.1	26	<1	1.3	438	0.5	<0.5	0.7	1.776
3481658	Drill Core	3.75	1650	0.7	2.168	8.8	76.3	0.229	3.4	18.8	<0.005	<0.1	<0.1	27	<1	1.3	431	0.5	<0.5	0.7	1.777
3481659	Drill Core	3.82	1672	0.6	2.218	8.8	79.4	0.236	3.8	15.6	<0.005	<0.1	<0.1	26	<1	1.2	429	0.5	<0.5	0.7	1.765
3481660	Rock Pulp	3.95	1277	3.0	1.878	3.3	121.0	0.042	17.7	14.9	<0.005	0.4	0.4	35	<1	0.6	109	0.2	0.5	1.1	0.577
3481661	Drill Core	3.70	1622	0.6	2.135	8.8	80.1	0.236	3.5	18.7	<0.005	<0.1	<0.1	26	<1	1.3	440	0.5	<0.5	0.7	1.749
3481662	Drill Core	3.78	1543	0.7	2.215	9.0	82.2	0.251	3.2	21.1	<0.005	0.1	0.2	26	<1	1.5	436	0.5	0.6	0.8	1.811
3481663	Drill Core	2.80	400	0.4	3.821	0.4	9.1	0.020	2.5	2.3	<0.005	<0.1	0.4	23	<1	<0.1	109	<0.1	<0.5	2.7	0.021
3481664	Drill Core	3.44	453	0.4	3.496	0.3	7.3	0.019	1.9	2.0	<0.005	<0.1	0.2	27	<1	<0.1	112	<0.1	0.9	2.7	0.014
3481665	Drill Core	0.83	130	0.6	4.931	0.5	13.1	0.024	5.5	4.1	<0.005	<0.1	0.3	5	<1	0.2	109	<0.1	<0.5	3.3	0.025
3481666	Drill Core	1.54	264	0.4	4.741	0.8	18.7	0.043	6.4	3.9	<0.005	<0.1	0.2	7	<1	0.3	104	<0.1	0.9	4.8	0.034
3481667	Drill Core	1.30	256	0.7	4.980	0.7	22.1	0.042	2.8	1.8	<0.005	0.1	0.3	5	<1	0.1	103	<0.1	<0.5	3.6	0.028
3481668	Drill Core	0.92	244	0.8	5.381	0.7	22.9	0.065	2.2	1.4	<0.005	0.2	0.4	5	<1	<0.1	96	<0.1	1.1	4.1	0.026
3481669	Drill Core	3.68	543	1.0	4.168	0.9	14.2	0.037	1.2	6.8	<0.005	<0.1	0.2	24	<1	0.3	127	<0.1	1.2	4.3	0.037

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Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 29, 2019

CERTIFICATE OF ANALYSIS TIM19001896.3

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA530
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3481640	Rock Pulp	<0.5	1.0	163	1.3	21.2	109	119.3	
3481641	Drill Core	<0.5	1.1	21	0.3	4.0	1	40.3	
3481642	Drill Core	<0.5	1.1	20	0.3	5.0	13	37.7	
3481643	Drill Core	<0.5	1.5	29	2.9	3.6	5	53.3	
3481644	Drill Core	<0.5	0.9	24	0.5	8.0	94	47.6	
3481645	Drill Core	<0.5	1.1	37	1.4	10.0	7	41.6	
3481646	Drill Core	<0.5	0.8	16	0.8	6.5	4	40.2	
3481647	Drill Core	<0.5	1.3	29	1.1	14.9	5	48.4	
3481648	Drill Core	<0.5	0.9	67	1.0	19.7	11	60.3	
3481649	Drill Core	<0.5	0.2	296	0.2	33.5	138	160.9	
3481650	Rock	0.6	<0.1	1	<0.1	0.9	5	22.4	
3481651	Drill Core	<0.5	0.2	289	0.1	34.3	104	150.2	
3481652	Drill Core	<0.5	0.3	294	0.1	33.5	111	150.6	
3481653	Drill Core	<0.5	0.2	294	0.2	34.5	132	153.0	
3481654	Drill Core	<0.5	0.2	289	<0.1	34.6	125	150.8	
3481655	Drill Core	<0.5	0.3	299	0.3	32.8	125	150.5	
3481656	Drill Core	<0.5	0.2	296	<0.1	32.2	128	142.1	
3481657	Drill Core	<0.5	0.2	294	<0.1	34.7	135	150.3	
3481658	Drill Core	<0.5	0.2	290	<0.1	33.7	138	148.2	
3481659	Drill Core	<0.5	0.2	295	<0.1	34.9	130	155.7	
3481660	Rock Pulp	<0.5	0.3	270	5.5	20.7	88	48.1	
3481661	Drill Core	<0.5	0.2	283	<0.1	34.6	130	152.5	
3481662	Drill Core	<0.5	0.2	295	0.1	35.2	131	158.8	
3481663	Drill Core	<0.5	1.7	37	0.4	28.6	5	28.6	
3481664	Drill Core	<0.5	0.9	55	0.4	14.7	2	25.9	
3481665	Drill Core	<0.5	0.8	23	0.4	4.4	17	39.9	
3481666	Drill Core	<0.5	1.4	28	0.5	7.5	26	51.9	
3481667	Drill Core	<0.5	1.3	27	0.5	8.5	21	47.1	
3481668	Drill Core	<0.5	1.3	19	0.7	6.5	4	48.5	
3481669	Drill Core	<0.5	2.2	68	1.9	12.4	2	55.3	

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Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 29, 2019

CERTIFICATE OF ANALYSIS TIM19001896.3

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3481670	Drill Core	3.81	0.043	<0.1	5.55	12	8	1	<0.1	7.90	<0.1	61	10.7	35	3.5	1.84	1.5	0.05	0.09	31.6	1.9
3481671	Drill Core	5.18	0.019	<0.1	5.33	5	14	2	<0.1	6.66	<0.1	46	3.8	29	6.5	1.63	1.7	<0.05	0.10	22.4	1.8
3481672	Drill Core	5.41	<0.005	<0.1	6.18	5	27	1	<0.1	2.20	<0.1	36	3.5	33	6.9	1.00	1.9	<0.05	0.15	18.0	2.9
3481673	Drill Core	5.35	0.005	<0.1	7.33	8	56	1	<0.1	1.14	<0.1	65	7.1	63	6.6	0.79	3.9	<0.05	0.29	30.8	3.1
3481674	Drill Core	4.43	0.013	<0.1	6.09	10	54	1	<0.1	0.96	<0.1	54	7.9	66	6.4	1.01	5.1	<0.05	0.28	25.3	5.0
3481675	Rock	0.20	<0.005	<0.1	8.19	2	49	1	<0.1	0.19	<0.1	2	<0.2	1	1.4	0.31	0.4	<0.05	4.17	0.7	25.6
3481676	Drill Core	4.06	<0.005	<0.1	6.50	9	58	2	<0.1	1.39	<0.1	45	5.1	55	5.2	0.87	2.8	<0.05	0.31	21.4	3.6
3481677	Drill Core	4.85	0.006	<0.1	6.05	12	127	2	<0.1	0.54	<0.1	55	9.2	58	16.4	1.15	2.6	<0.05	0.63	26.4	9.1
3481678	Drill Core	5.35	<0.005	<0.1	6.84	8	75	1	<0.1	1.82	<0.1	39	3.5	48	2.9	0.77	2.6	<0.05	0.42	18.7	3.1

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Project: SPJ
Report Date: October 29, 2019

CERTIFICATE OF ANALYSIS TIM19001896.3

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3481670	Drill Core	4.19	607	1.2	4.040	1.2	11.1	0.035	1.3	1.1	<0.005	0.1	0.1	31	<1	0.1	125	0.1	1.5	4.0	0.044
3481671	Drill Core	3.70	467	0.7	4.021	0.8	11.9	0.032	1.3	1.7	<0.005	<0.1	0.2	15	<1	0.3	124	<0.1	0.8	3.8	0.030
3481672	Drill Core	1.74	164	1.5	4.745	1.2	18.3	0.037	1.0	3.2	<0.005	<0.1	0.2	8	<1	0.2	99	0.1	<0.5	3.9	0.056
3481673	Drill Core	1.05	111	0.8	5.263	2.2	18.3	0.052	1.4	6.1	<0.005	<0.1	0.3	6	<1	0.5	87	0.2	<0.5	6.9	0.091
3481674	Drill Core	1.41	88	0.8	4.729	1.6	36.3	0.071	1.6	5.2	<0.005	0.1	0.2	7	<1	0.4	107	0.2	<0.5	9.2	0.067
3481675	Rock	0.03	52	0.4	6.953	<0.1	0.4	<0.001	5.2	55.5	<0.005	<0.1	0.1	<1	<1	0.2	55	<0.1	<0.5	0.3	0.002
3481676	Drill Core	1.38	117	1.0	5.309	1.6	27.5	0.048	1.3	6.1	<0.005	<0.1	0.2	7	<1	0.4	112	0.2	<0.5	5.3	0.069
3481677	Drill Core	1.62	63	0.9	4.466	1.8	35.6	0.047	1.5	16.9	<0.005	<0.1	0.3	8	<1	0.6	105	0.2	<0.5	4.8	0.088
3481678	Drill Core	1.41	134	1.0	5.641	1.3	19.8	0.039	1.2	11.3	<0.005	<0.1	0.2	13	<1	0.4	115	0.1	<0.5	4.9	0.068

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Project: SPJ
Report Date: October 29, 2019

CERTIFICATE OF ANALYSIS TIM19001896.3

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA530
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3481670	Drill Core	<0.5	2.6	64	1.8	15.7	5	55.8	
3481671	Drill Core	<0.5	2.3	69	0.7	13.5	2	55.8	
3481672	Drill Core	<0.5	1.6	46	0.6	7.4	2	65.0	
3481673	Drill Core	<0.5	2.8	48	0.8	9.4	1	137.9	
3481674	Drill Core	<0.5	3.1	51	0.6	8.4	2	177.1	
3481675	Rock	0.6	0.2	<1	<0.1	1.9	5	20.1	
3481676	Drill Core	<0.5	2.3	51	0.6	7.6	1	98.0	
3481677	Drill Core	<0.5	2.0	63	0.5	6.9	2	88.4	
3481678	Drill Core	<0.5	1.5	53	0.6	8.4	1	84.1	

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QUALITY CONTROL REPORT TIM19001896.3

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
Pulp Duplicates																					
3481578	Drill Core	5.82	0.008	<0.1	5.67	5	39	2	<0.1	2.34	<0.1	20	4.7	22	6.8	0.61	1.7	<0.05	0.16	8.9	1.4
REP 3481578	QC			<0.1	5.78	4	37	1	<0.1	2.35	<0.1	21	4.6	23	7.2	0.61	1.7	<0.05	0.17	10.0	1.3
3481613	Drill Core	2.89	0.011	<0.1	5.65	68	75	2	0.6	0.84	<0.1	32	25.0	26	99.2	1.41	1.4	<0.05	0.19	15.6	3.5
REP 3481613	QC			<0.1	5.34	65	77	1	0.6	0.84	<0.1	30	23.8	26	100.8	1.43	1.4	<0.05	0.19	14.6	3.8
3481629	Drill Core	3.44	4.035	<0.1	5.95	42	4	4	1.1	2.00	<0.1	32	84.1	64	162.7	16.10	1.8	0.15	0.02	15.5	8.3
REP 3481629	QC		3.933																		
3481648	Drill Core	5.47	0.005	<0.1	6.26	7	89	2	<0.1	3.44	<0.1	42	11.0	33	9.7	2.28	1.7	<0.05	0.39	22.6	12.3
REP 3481648	QC			<0.1	6.35	7	92	1	<0.1	3.50	<0.1	45	11.3	32	10.3	2.30	2.0	<0.05	0.41	24.2	10.7
3481661	Drill Core	5.73	0.011	<0.1	8.24	2	486	<1	<0.1	5.74	<0.1	41	58.0	43	46.4	10.52	4.2	0.10	0.79	16.8	15.4
REP 3481661	QC		0.005																		
3481677	Drill Core	4.85	0.006	<0.1	6.05	12	127	2	<0.1	0.54	<0.1	55	9.2	58	16.4	1.15	2.6	<0.05	0.63	26.4	9.1
REP 3481677	QC			<0.1	6.32	12	127	3	<0.1	0.55	<0.1	59	9.9	57	17.9	1.16	2.6	<0.05	0.65	29.0	8.9
Core Reject Duplicates																					
3481562	Drill Core	5.05	0.006	<0.1	5.65	37	49	2	<0.1	1.88	<0.1	22	12.9	62	52.2	0.93	3.4	<0.05	0.28	9.3	3.2
DUP 3481562	QC		0.007	<0.1	5.84	41	53	2	<0.1	1.82	<0.1	24	14.5	58	54.2	0.98	3.7	<0.05	0.27	10.6	3.3
3481596	Drill Core	4.15	0.104	<0.1	5.20	251	25	<1	<0.1	0.21	<0.1	53	8.9	29	9.5	5.91	1.2	<0.05	0.08	27.8	6.1
DUP 3481596	QC		0.142	<0.1	5.30	158	25	1	<0.1	0.21	<0.1	51	7.7	28	9.2	5.98	1.3	<0.05	0.08	26.6	5.6
3481630	Drill Core	3.24	0.037	<0.1	7.37	3	4	2	0.1	0.14	<0.1	42	26.0	139	7.2	17.72	3.0	0.12	0.02	19.1	11.9
DUP 3481630	QC		0.043	<0.1	7.25	4	4	2	0.3	0.14	<0.1	68	26.1	139	8.8	17.38	3.4	0.18	0.03	26.9	11.2
3481664	Drill Core	5.10	0.007	<0.1	4.51	7	33	<1	<0.1	6.20	<0.1	48	2.4	27	5.7	1.49	0.8	<0.05	0.11	24.9	4.5
DUP 3481664	QC		0.009	<0.1	4.52	8	34	1	<0.1	6.59	<0.1	51	3.3	32	6.5	1.58	0.8	0.08	0.12	26.3	4.5
Reference Materials																					
STD OREAS25A-4A	Standard			<0.1	9.07	11	155	1	0.3	0.28	<0.1	49	7.2	106	36.0	6.24	4.2	0.12	0.46	22.0	35.9
STD OREAS25A-4A	Standard			<0.1	8.81	11	148	1	0.4	0.29	<0.1	47	7.2	103	33.9	6.46	3.8	0.09	0.47	20.8	35.3
STD OREAS25A-4A	Standard			<0.1	8.73	10	152	1	0.4	0.26	<0.1	44	7.9	120	34.6	6.46	4.2	0.11	0.46	19.7	35.0
STD OREAS25A-4A	Standard			<0.1	8.72	10	160	1	0.4	0.27	<0.1	50	7.4	105	34.9	6.46	4.3	0.13	0.45	23.0	36.8
STD OREAS45H	Standard			0.2	8.21	16	338	<1	0.2	0.14	<0.1	25	85.7	639	763.2	19.59	3.1	0.11	0.20	12.9	13.4
STD OREAS45E	Standard			0.3	7.12	18	262	<1	0.3	0.06	<0.1	24	58.7	981	791.6	24.30	2.9	0.08	0.33	11.4	6.6

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Bureau Veritas Commodities Canada Ltd.
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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 29, 2019

QUALITY CONTROL REPORT TIM19001896.3

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
Pulp Duplicates																					
3481578	Drill Core	1.26	164	0.3	5.473	0.7	8.3	0.034	0.9	1.6	<0.005	<0.1	<0.1	7	<1	<0.1	75	<0.1	<0.5	3.2	0.027
REP 3481578	QC	1.26	158	0.2	5.586	0.7	8.2	0.034	0.8	1.8	<0.005	<0.1	<0.1	6	<1	0.1	71	<0.1	<0.5	3.8	0.028
3481613	Drill Core	0.99	141	0.5	4.972	0.6	40.2	0.023	1.9	4.4	<0.005	0.1	0.3	4	<1	0.1	96	<0.1	<0.5	2.9	0.032
REP 3481613	QC	0.98	143	0.6	4.902	0.6	40.1	0.022	1.9	2.9	<0.005	0.1	0.2	4	<1	0.2	93	<0.1	0.6	2.7	0.031
3481629	Drill Core	3.78	779	0.4	0.289	3.1	58.1	0.051	1.9	2.2	<0.005	0.7	0.3	21	3	0.2	25	0.3	1.0	5.8	0.136
REP 3481629	QC																				
3481648	Drill Core	2.77	438	0.3	4.423	1.8	18.9	0.052	2.3	5.3	<0.005	<0.1	0.3	13	<1	0.3	127	0.2	0.9	3.0	0.261
REP 3481648	QC	2.81	430	0.4	4.497	1.8	19.2	0.053	2.5	5.5	<0.005	<0.1	0.4	13	<1	0.3	131	0.1	1.6	3.1	0.265
3481661	Drill Core	3.70	1622	0.6	2.135	8.8	80.1	0.236	3.5	18.7	<0.005	<0.1	<0.1	26	<1	1.3	440	0.5	<0.5	0.7	1.749
REP 3481661	QC																				
3481677	Drill Core	1.62	63	0.9	4.466	1.8	35.6	0.047	1.5	16.9	<0.005	<0.1	0.3	8	<1	0.6	105	0.2	<0.5	4.8	0.088
REP 3481677	QC	1.63	65	0.9	4.485	1.9	35.1	0.046	1.4	20.5	<0.005	<0.1	0.3	8	<1	0.7	107	0.2	<0.5	5.3	0.095
Core Reject Duplicates																					
3481562	Drill Core	1.46	151	0.2	5.465	1.3	27.0	0.058	1.4	3.4	<0.005	0.1	0.1	9	<1	0.2	95	0.1	<0.5	6.2	0.051
DUP 3481562	QC	1.46	152	0.3	5.370	1.5	30.6	0.055	1.7	4.6	<0.005	0.1	<0.1	8	<1	0.2	102	0.2	<0.5	8.2	0.055
3481596	Drill Core	1.63	153	0.3	2.527	1.3	12.3	0.048	1.2	2.3	<0.005	<0.1	0.3	6	<1	0.1	37	0.1	<0.5	3.1	0.057
DUP 3481596	QC	1.67	152	0.3	2.526	1.3	11.7	0.046	1.2	2.4	<0.005	<0.1	0.2	7	<1	<0.1	37	0.1	<0.5	3.1	0.056
3481630	Drill Core	3.63	352	0.4	0.745	6.2	31.9	0.050	1.1	0.8	<0.005	<0.1	0.3	18	<1	0.2	12	0.6	<0.5	6.3	0.287
DUP 3481630	QC	3.58	356	0.5	0.741	6.4	32.7	0.052	1.5	0.9	<0.005	<0.1	0.3	19	<1	0.2	12	0.6	<0.5	8.1	0.291
3481664	Drill Core	3.44	453	0.4	3.496	0.3	7.3	0.019	1.9	2.0	<0.005	<0.1	0.2	27	<1	<0.1	112	<0.1	0.9	2.7	0.014
DUP 3481664	QC	3.80	495	0.2	3.396	0.2	8.5	0.020	2.1	1.9	<0.005	<0.1	0.2	31	<1	<0.1	115	<0.1	1.8	2.4	0.012
Reference Materials																					
STD OREAS25A-4A	Standard	0.29	473	2.2	0.110	19.1	45.9	0.045	25.2	61.2	<0.005	<0.1	0.8	12	2	4.2	49	1.4	<0.5	15.8	0.872
STD OREAS25A-4A	Standard	0.31	465	2.4	0.123	18.3	44.4	0.049	26.6	59.0	<0.005	<0.1	0.5	12	2	4.0	47	1.3	<0.5	15.8	0.899
STD OREAS25A-4A	Standard	0.30	474	2.3	0.118	19.7	45.4	0.048	25.4	55.9	<0.005	<0.1	0.5	12	3	4.4	45	1.4	<0.5	15.5	0.897
STD OREAS25A-4A	Standard	0.34	468	2.4	0.131	20.3	46.3	0.047	26.2	61.6	<0.005	<0.1	0.6	12	2	4.0	48	1.5	<0.5	17.0	0.927
STD OREAS45H	Standard	0.23	392	1.5	0.081	13.6	417.1	0.023	12.2	22.6	<0.005	<0.1	0.7	57	1	2.0	29	0.9	<0.5	7.7	0.902
STD OREAS45E	Standard	0.15	569	2.1	0.058	6.0	477.6	0.035	18.1	21.4	<0.005	<0.1	1.0	92	1	1.2	17	0.5	<0.5	13.5	0.534

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Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 29, 2019

QUALITY CONTROL REPORT TIM19001896.3

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA530
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
Pulp Duplicates									
3481578	Drill Core	<0.5	0.8	26	0.8	6.1	1	56.5	
REP 3481578	QC	<0.5	0.8	27	0.8	6.4	1	55.2	
3481613	Drill Core	<0.5	0.9	30	0.5	3.8	2	46.3	
REP 3481613	QC	<0.5	0.8	30	0.5	3.4	3	44.3	
3481629	Drill Core	<0.5	3.1	59	4.3	20.3	17	56.2	
REP 3481629	QC								
3481648	Drill Core	<0.5	0.9	67	1.0	19.7	11	60.3	
REP 3481648	QC	<0.5	1.0	68	0.8	20.9	12	66.8	
3481661	Drill Core	<0.5	0.2	283	<0.1	34.6	130	152.5	
REP 3481661	QC								
3481677	Drill Core	<0.5	2.0	63	0.5	6.9	2	88.4	
REP 3481677	QC	<0.5	2.3	64	0.4	7.8	3	86.0	
Core Reject Duplicates									
3481562	Drill Core	<0.5	1.6	43	1.0	7.4	2	112.8	
DUP 3481562	QC	<0.5	1.7	45	1.0	8.1	4	122.0	
3481596	Drill Core	<0.5	1.1	28	2.7	5.8	9	41.8	
DUP 3481596	QC	<0.5	1.2	28	2.3	5.6	9	43.4	
3481630	Drill Core	<0.5	4.5	87	7.4	6.4	13	108.9	
DUP 3481630	QC	<0.5	4.5	86	6.9	8.5	15	111.2	
3481664	Drill Core	<0.5	0.9	55	0.4	14.7	2	25.9	
DUP 3481664	QC	<0.5	1.0	60	0.4	16.3	3	26.7	
Reference Materials									
STD OREAS25A-4A	Standard	<0.5	2.8	144	1.9	10.9	51	144.8	
STD OREAS25A-4A	Standard	<0.5	2.8	157	1.6	10.4	43	140.0	
STD OREAS25A-4A	Standard	<0.5	2.9	158	2.0	10.0	43	147.3	
STD OREAS25A-4A	Standard	<0.5	3.0	158	1.9	10.6	44	153.5	
STD OREAS45H	Standard	<0.5	1.7	270	0.8	10.7	45	138.9	
STD OREAS45E	Standard	<0.5	2.6	329	0.8	8.0	46	95.9	

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Project: SPJ
Report Date: October 29, 2019

QUALITY CONTROL REPORT TIM19001896.3

		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
STD OREAS45E	Standard			0.3	6.97	18	268	<1	0.3	0.06	<0.1	24	59.5	1051	778.4	24.80	3.0	0.10	0.33	10.9	6.3
STD OREAS45H	Standard			0.1	8.05	16	349	2	0.2	0.13	<0.1	26	89.0	638	775.0	20.31	3.7	0.08	0.20	14.1	14.1
STD OXC145	Standard		0.212																		
STD OXC145	Standard		0.209																		
STD OXC145	Standard		0.211																		
STD OXC145	Standard		0.209																		
STD OXH139	Standard		1.297																		
STD OXH139	Standard		1.282																		
STD OXH139	Standard		1.299																		
STD OXH139	Standard		1.328																		
STD OXN134	Standard		7.390																		
STD OXN134	Standard		7.446																		
STD OXN134	Standard		7.628																		
STD OXN134	Standard		7.667																		
STD OXP116	Standard																				
STD OXQ90	Standard																				
STD OXQ90	Standard																				
STD OXC145 Expected			0.212																		
STD OXN134 Expected			7.667																		
STD OXH139 Expected			1.312																		
STD OREAS45E Expected				0.311	6.78	16.3	252		0.28	0.065	0.06	23.5	57	979	780	24.12	3.11	0.099	0.324	11	6.58
STD OREAS25A-4A Expected					8.87	9.94	147	0.93	0.37	0.301		47.3	7.7	115	33.9	6.6	4.14	0.09	0.482	21.8	36.7
STD OREAS45H Expected				0.147	7.99	16.9	332	1.09	0.17	0.135		23.6	88	602	767	19.52	3.6	0.1	0.205	12.4	13.1
STD OXP116 Expected																					
STD OXQ90 Expected																					
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		

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QUALITY CONTROL REPORT TIM19001896.3

		MA200 Mg % 0.01	MA200 Mn ppm 1	MA200 Mo ppm 0.1	MA200 Na % 0.001	MA200 Nb ppm 0.1	MA200 Ni ppm 0.1	MA200 P % 0.001	MA200 Pb ppm 0.1	MA200 Rb ppm 0.1	MA200 Re ppm 0.005	MA200 S % 0.1	MA200 Sb ppm 0.1	MA200 Sc ppm 1	MA200 Se ppm 1	MA200 Sn ppm 0.1	MA200 Sr ppm 1	MA200 Ta ppm 0.1	MA200 Te ppm 0.5	MA200 Th ppm 0.1	MA200 Ti % 0.001
STD OREAS45E	Standard	0.15	589	2.3	0.052	6.5	491.2	0.032	19.6	22.2	<0.005	<0.1	1.0	97	2	1.4	18	0.6	<0.5	14.2	0.539
STD OREAS45H	Standard	0.25	391	1.4	0.088	14.1	442.0	0.023	12.9	23.4	<0.005	<0.1	0.6	56	1	1.9	28	1.0	<0.5	8.1	0.875
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXP116	Standard																				
STD OXQ90	Standard																				
STD OXQ90	Standard																				
STD OXC145 Expected																					
STD OXN134 Expected																					
STD OXH139 Expected																					
STD OREAS45E Expected		0.156	570	2.4	0.059	6.8	454	0.034	18.2	21.2		0.046	1	93	2.97	1.32	15.9	0.54	0.1	12.9	0.559
STD OREAS25A-4A Expected		0.327	480	2.41	0.131	20.9	45.8	0.048	25.2	61		0.047	0.65	13.7	2.4	4.06	48.5	1.4		15.8	0.93
STD OREAS45H Expected		0.238	380	1.55	0.09	14.8	423	0.023	11.9	22.5			0.63	57	2.02	1.93	27.1	1.08		7.26	0.878
STD OXP116 Expected																					
STD OXQ90 Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				

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QUALITY CONTROL REPORT TIM19001896.3

		MA200 Tl ppm 0.5	MA200 U ppm 0.1	MA200 V ppm 1	MA200 W ppm 0.1	MA200 Y ppm 0.1	MA200 Zn ppm 1	MA200 Zr ppm 0.1	FA530 Au gm/t 0.9
STD OREAS45E	Standard	<0.5	2.7	333	1.1	8.5	48	98.3	
STD OREAS45H	Standard	<0.5	1.8	272	0.8	9.9	42	122.5	
STD OXC145	Standard								
STD OXC145	Standard								
STD OXC145	Standard								
STD OXC145	Standard								
STD OXH139	Standard								
STD OXH139	Standard								
STD OXH139	Standard								
STD OXH139	Standard								
STD OXN134	Standard								
STD OXN134	Standard								
STD OXN134	Standard								
STD OXN134	Standard								
STD OXP116	Standard								15.3
STD OXQ90	Standard								25.4
STD OXQ90	Standard								25.2
STD OXC145 Expected									
STD OXN134 Expected									
STD OXH139 Expected									
STD OREAS45E Expected		0.15	2.41	322	1.07	8.28	46.7	97	
STD OREAS25A-4A Expected		0.35	2.94	157	2	10.5	44.4	155	
STD OREAS45H Expected			1.68	263	0.99	10.4	39.7	131	
STD OXP116 Expected									14.92
STD OXQ90 Expected									24.88
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								

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		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	<0.01	2	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	2	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank																				
Prep Wash																					
ROCK-TIM	Prep Blank		<0.005	<0.1	6.82	4	806	<1	<0.1	1.45	<0.1	24	3.7	6	6.1	2.12	1.6	<0.05	1.62	11.7	3.3
ROCK-TIM	Prep Blank		<0.005	<0.1	6.97	3	764	<1	<0.1	1.45	<0.1	24	3.7	2	4.5	2.07	1.5	<0.05	1.53	11.4	3.5

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 29, 2019

QUALITY CONTROL REPORT TIM19001896.3

		MA200 Mg % 0.01	MA200 Mn ppm 1	MA200 Mo ppm 0.1	MA200 Na % 0.001	MA200 Nb ppm 0.1	MA200 Ni ppm 0.1	MA200 P % 0.001	MA200 Pb ppm 0.1	MA200 Rb ppm 0.1	MA200 Re ppm 0.005	MA200 S % 0.1	MA200 Sb ppm 0.1	MA200 Sc ppm 1	MA200 Se ppm 1	MA200 Sn ppm 0.1	MA200 Sr ppm 1	MA200 Ta ppm 0.1	MA200 Te ppm 0.5	MA200 Th ppm 0.1	MA200 Ti % 0.001
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<1	<0.1	0.005	<0.1	<0.1	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.001	<0.1	0.1	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	<0.001	<0.1	0.1	<0.001	<0.1	0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.001	<0.1	<0.1	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank																				
Prep Wash																					
ROCK-TIM	Prep Blank	0.50	636	1.3	3.480	5.7	1.2	0.041	2.7	31.7	<0.005	<0.1	0.1	6	<1	0.7	200	0.4	<0.5	2.8	0.210
ROCK-TIM	Prep Blank	0.49	622	1.3	3.641	5.2	0.9	0.040	2.8	29.8	<0.005	<0.1	0.3	6	<1	0.7	198	0.3	<0.5	2.7	0.197

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MINERAL LABORATORIES
Canada

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 29, 2019

QUALITY CONTROL REPORT TIM19001896.3

		MA200 Tl ppm 0.5	MA200 U ppm 0.1	MA200 V ppm 1	MA200 W ppm 0.1	MA200 Y ppm 0.1	MA200 Zn ppm 1	MA200 Zr ppm 0.1	FA530 Au gm/t 0.9
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	1	<0.1	
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1	
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1	
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1	
BLK	Blank								<0.9
Prep Wash									
ROCK-TIM	Prep Blank	<0.5	1.2	32	0.2	15.9	38	49.9	
ROCK-TIM	Prep Blank	<0.5	1.1	32	0.3	15.7	38	47.9	

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By: Quentin Yarie
Receiving Lab: Canada-Timmins
Received: August 29, 2019
Report Date: September 06, 2019
Page: 1 of 2

CERTIFICATE OF ANALYSIS TIM19001896M.1

CLIENT JOB INFORMATION

Project: SPJ
Shipment ID:
P.O. Number
Number of Samples: 4

SAMPLE DISPOSAL

RTRN-PLP Return After 90 days
RTRN-RJT Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PUL85	4	Pulverize to 85% passing 200 mesh			TIM
SPTRF	4	Split samples by riffle splitter			TIM
FS652	4	Metallic Sieve 1 kg to 150 mesh - save + and - fraction			TIM
FS652	4	Metallic Fire Assay - duplicate minus fraction analysis	50	Completed	TIM
EN002	4	Environmental disposal charge-Fire assay lead waste			TIM

ADDITIONAL COMMENTS

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC:

SCOTT INGLIS
Fire Assay Manager

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

BUREAU VERITAS
MINERAL LABORATORIES
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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: September 06, 2019

CERTIFICATE OF ANALYSIS TIM19001896M.1

	Method	M150 1kg	FA450	FA450	FS652	FS652	FS652
	Analyte	TotWt	-Au	-Au + Au Wt		+ Au	Au Total
	Unit	g	gm/t	gm/t	g	gm/t	gm/t
	MDL	1	0.005	0.005	0.01	0.05	0.05
3481602	Drill Core	1095	40.98	30.12	29.44	163.86	39
3481607	Drill Core	1025	2.970	2.453	27.77	39.61	3.71
3481617	Drill Core	1100	5.14	4.81	31.16	303.70	13.44
3481624	Drill Core	1120	17.57	16.23	26.34	282.69	23.15

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: September 06, 2019

QUALITY CONTROL REPORT TIM19001896M.1

	Method	M150 1kg	FA450	FA450	FS652	FS652	FS652
	Analyte	TotWt	-Au	-Au	+ Au Wt	+ Au	Au Total
	Unit	g	gm/t	gm/t	g	gm/t	gm/t
	MDL	1	0.005	0.005	0.01	0.05	0.05
Pulp Duplicates							
3481602	Drill Core	1095	40.98	30.12	29.44	163.86	39
REP 3481602	QC			35.25			
Reference Materials							
STD OXC145	Standard		0.207				
STD OXC145	Standard			0.210			
STD OXC145	Standard			0.210			
STD OXH139	Standard		1.293				
STD OXH139	Standard			1.273			
STD OXH139	Standard			1.316			
STD OXN134	Standard		7.690				
STD OXN134	Standard			7.634			
STD OXN134	Standard			7.524			
STD OXQ90	Standard				50.00	25.00	
STD OXQ90 Expected						24.88	
BLK	Blank		<0.005				
BLK	Blank		<0.005				
BLK	Blank			<0.005			
BLK	Blank			<0.005			
BLK	Blank				50.00	<0.05	
BLK	Blank			<0.005			
BLK	Blank			<0.005			
Prep Wash							
ROCK-TIM	Prep Blank	985	<0.005	<0.005	33.80	<0.05	<0.05

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By: Quentin Yarie
Receiving Lab: Canada-Timmins
Received: September 04, 2019
Report Date: October 29, 2019

CERTIFICATE OF ANALYSIS TIM19001956.3

CLIENT JOB INFORMATION

Project: SPJ
Shipment ID:
P.O. Number
Number of Samples: 134

SAMPLE DISPOSAL

RTRN-PLP Return After 90 days
RTRN-RJT Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP85-500	127	Crush split and pulverize 250g of sample to 200mesh			TIM
SLBHP	7	Sort, label and box pulps			TIM
SHP01	134	Per sample shipping charges for branch shipments			TIM
FA450	134	50g Lead Collection Fire Assay Fusion - AAS Finish	50	Completed	TIM
EN002	134	Environmental disposal charge-Fire assay lead waste			TIM
MA200	134	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
EN001-MA	134	Environmental disposal fee - Multi-acid neutralization			VAN
FA530	1	Lead collection fire assay fusion - gravimetric finish	30	Completed	TIM

ADDITIONAL COMMENTS

Version 2 - Elements set to re-order alphabetically
Version 3 - Client wishes a grav run on sample 3481698

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC:

MAY LAI
Data Validation Specialist

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 29, 2019

CERTIFICATE OF ANALYSIS TIM19001956.3

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3481679	Drill Core	5.33	0.008	<0.1	6.56	34	105	3	<0.1	1.63	<0.1	39	10.6	35	14.7	0.80	2.2	<0.05	0.30	20.6	3.4
3481680	Rock Pulp	0.07	1.504	0.2	7.11	942	384	<1	<0.1	5.90	<0.1	40	44.0	211	84.9	8.68	3.4	0.06	0.69	21.5	9.9
3481681	Drill Core	5.11	<0.005	<0.1	5.61	23	61	3	<0.1	1.43	<0.1	18	8.7	26	12.6	0.61	1.4	<0.05	0.24	8.7	2.8
3481682	Drill Core	4.89	<0.005	<0.1	4.83	15	93	4	<0.1	0.43	<0.1	16	11.7	31	13.2	0.68	1.5	<0.05	0.35	7.9	5.0
3481683	Drill Core	4.67	<0.005	<0.1	5.58	10	97	2	<0.1	0.38	<0.1	16	5.8	31	10.5	0.69	2.0	<0.05	0.32	7.7	4.7
3481684	Drill Core	5.47	<0.005	<0.1	5.77	12	67	<1	<0.1	1.01	<0.1	44	8.4	28	16.6	0.56	1.7	<0.05	0.27	23.1	2.2
3481685	Drill Core	4.20	<0.005	<0.1	5.57	9	72	2	<0.1	0.77	<0.1	17	5.7	36	12.6	0.70	2.0	<0.05	0.30	8.1	2.7
3481686	Drill Core	5.50	<0.005	<0.1	5.79	7	79	<1	<0.1	0.62	<0.1	29	4.2	28	11.2	0.70	1.5	<0.05	0.28	15.0	2.8
3481687	Drill Core	4.94	<0.005	<0.1	5.32	9	83	2	<0.1	0.37	<0.1	25	3.4	19	8.2	0.69	1.0	<0.05	0.29	12.2	3.8
3481688	Drill Core	5.00	0.005	<0.1	5.94	16	81	<1	<0.1	0.89	<0.1	15	10.8	38	11.9	0.80	2.1	<0.05	0.33	7.3	3.1
3481689	Drill Core	4.79	0.008	<0.1	5.61	11	69	2	<0.1	1.16	<0.1	18	5.4	20	8.1	0.59	1.4	<0.05	0.25	9.1	2.1
3481690	Drill Core	4.09	0.006	<0.1	5.43	6	65	2	<0.1	0.69	<0.1	10	2.5	18	4.8	0.49	1.1	<0.05	0.22	4.7	1.7
3481691	Drill Core	5.75	<0.005	<0.1	5.55	6	43	<1	<0.1	0.92	<0.1	24	3.4	29	6.6	0.77	1.9	<0.05	0.19	11.7	2.1
3481692	Drill Core	3.82	0.014	<0.1	5.79	10	49	2	<0.1	0.92	<0.1	51	7.5	52	10.7	0.87	2.8	<0.05	0.34	24.3	5.1
3481693	Drill Core	4.54	0.005	<0.1	4.96	14	70	<1	<0.1	0.61	<0.1	24	5.2	35	17.9	0.84	1.8	<0.05	0.28	11.3	5.1
3481694	Drill Core	5.51	<0.005	<0.1	6.12	39	72	<1	<0.1	0.99	<0.1	24	10.0	46	33.7	0.73	2.6	<0.05	0.28	12.4	4.3
3481695	Drill Core	5.75	<0.005	<0.1	6.00	32	47	1	<0.1	1.17	<0.1	59	10.9	37	18.8	0.67	2.3	<0.05	0.18	30.9	1.8
3481696	Drill Core	5.01	0.011	<0.1	5.89	26	41	1	<0.1	1.08	0.1	46	10.1	29	15.5	0.66	2.0	<0.05	0.18	25.0	2.2
3481697	Drill Core	4.27	>10	0.2	5.06	38	34	2	1.2	0.19	<0.1	15	49.7	37	224.2	15.43	1.5	0.12	0.09	6.2	9.1
3481698	Rock Pulp	0.07	>10	1.9	5.41	68	225	<1	0.7	3.89	0.1	11	30.9	486	113.8	4.58	1.3	<0.05	0.75	6.3	29.7
3481699	Drill Core	2.43	0.681	<0.1	5.97	3	29	2	0.3	0.26	<0.1	42	18.4	50	28.0	11.25	1.4	0.08	0.11	19.0	5.9
3481700	Drill Core	3.41	0.770	<0.1	6.32	1	27	1	0.1	0.33	<0.1	32	24.5	55	201.6	11.62	1.4	0.12	0.12	14.9	5.5
3481701	Drill Core	3.18	0.031	<0.1	6.17	3	30	1	<0.1	0.19	<0.1	18	12.9	65	4.3	9.43	2.1	0.07	0.12	8.9	4.6
3481702	Drill Core	2.36	0.794	<0.1	6.01	<1	36	1	0.5	0.16	<0.1	20	7.6	59	4.1	7.98	1.9	<0.05	0.11	9.7	4.7
3481703	Drill Core	3.09	8.196	<0.1	6.18	3	23	<1	1.7	0.17	<0.1	54	11.6	43	54.2	10.06	1.9	0.06	0.12	27.6	4.4
3481704	Rock	0.20	0.062	<0.1	7.89	1	38	<1	<0.1	0.18	<0.1	1	0.3	2	3.5	0.36	0.4	<0.05	4.16	0.5	24.8
3481705	Drill Core	3.31	0.874	<0.1	5.98	2	22	1	0.5	0.24	<0.1	20	8.3	40	9.2	7.68	1.5	0.08	0.11	9.7	4.4
3481706	Drill Core	3.08	0.269	<0.1	6.34	3	26	2	0.4	0.30	<0.1	76	7.6	63	7.8	5.16	2.7	<0.05	0.12	41.2	4.2
3481707	Drill Core	5.68	0.006	<0.1	5.70	4	42	<1	0.3	0.86	<0.1	29	2.8	37	11.2	1.19	1.9	<0.05	0.16	14.1	1.4
3481708	Drill Core	5.07	<0.005	<0.1	5.89	4	47	1	<0.1	0.82	<0.1	26	1.7	26	4.0	0.56	1.3	<0.05	0.18	13.0	1.2

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Bureau Veritas Commodities Canada Ltd.

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 29, 2019

CERTIFICATE OF ANALYSIS TIM19001956.3

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3481679	Drill Core	1.18	165	0.5	5.329	1.4	28.5	0.076	1.8	10.7	<0.005	<0.1	0.3	7	<1	0.5	93	0.1	<0.5	6.1	0.057
3481680	Rock Pulp	3.89	2014	2.9	2.077	19.4	138.1	0.181	5.3	22.3	<0.005	0.7	2.5	19	1	1.7	368	1.1	2.2	3.7	0.957
3481681	Drill Core	1.00	140	0.3	5.079	0.8	17.6	0.026	1.9	4.3	<0.005	<0.1	0.2	5	<1	0.7	87	<0.1	<0.5	3.0	0.034
3481682	Drill Core	0.96	61	0.3	5.145	0.8	23.8	0.030	3.0	4.9	<0.005	<0.1	0.2	5	<1	1.4	81	<0.1	<0.5	2.6	0.043
3481683	Drill Core	1.13	52	0.2	5.002	1.0	17.4	0.028	2.3	9.7	<0.005	<0.1	0.1	5	<1	<0.1	110	<0.1	<0.5	3.3	0.044
3481684	Drill Core	0.97	96	0.2	5.117	0.9	14.7	0.028	1.0	7.3	<0.005	<0.1	0.1	5	<1	<0.1	88	<0.1	<0.5	3.3	0.037
3481685	Drill Core	0.88	104	0.3	5.253	0.9	14.6	0.037	1.1	5.8	<0.005	<0.1	0.1	4	<1	0.1	89	0.1	<0.5	3.3	0.042
3481686	Drill Core	0.81	85	0.2	5.135	0.8	13.2	0.027	1.2	5.9	<0.005	<0.1	0.1	4	<1	<0.1	99	<0.1	<0.5	3.1	0.036
3481687	Drill Core	0.75	70	0.2	4.937	0.6	13.9	0.020	1.1	5.7	<0.005	<0.1	0.1	4	<1	<0.1	92	<0.1	<0.5	2.2	0.031
3481688	Drill Core	0.89	111	0.2	5.345	1.0	22.4	0.035	1.3	7.2	<0.005	<0.1	0.2	5	<1	0.2	89	0.1	<0.5	4.4	0.049
3481689	Drill Core	0.80	123	0.2	5.071	0.7	11.1	0.031	1.1	4.8	<0.005	<0.1	0.2	4	1	<0.1	92	<0.1	<0.5	2.7	0.029
3481690	Drill Core	0.50	97	0.3	5.183	0.5	6.8	0.018	0.9	3.0	<0.005	<0.1	0.1	3	<1	<0.1	81	<0.1	<0.5	2.0	0.023
3481691	Drill Core	0.70	144	0.2	5.363	0.8	8.7	0.033	1.2	1.7	<0.005	<0.1	0.1	4	<1	0.1	67	<0.1	<0.5	3.3	0.035
3481692	Drill Core	0.91	156	0.2	6.048	1.4	12.9	0.033	1.2	1.6	<0.005	<0.1	0.2	6	<1	0.2	61	0.1	<0.5	4.5	0.056
3481693	Drill Core	1.04	82	0.3	4.778	0.9	19.5	0.026	1.3	2.7	<0.005	<0.1	0.2	4	<1	<0.1	91	0.1	<0.5	2.8	0.038
3481694	Drill Core	1.04	100	0.4	5.211	1.2	27.2	0.043	1.1	8.5	<0.005	<0.1	0.2	6	<1	<0.1	102	0.1	<0.5	5.9	0.043
3481695	Drill Core	0.92	130	0.4	5.068	1.0	20.1	0.032	0.9	5.5	<0.005	<0.1	0.2	5	<1	<0.1	91	0.1	<0.5	5.3	0.038
3481696	Drill Core	0.90	114	0.4	5.468	1.0	18.5	0.029	0.8	4.2	<0.005	<0.1	0.1	4	<1	0.1	78	0.1	<0.5	3.8	0.033
3481697	Drill Core	2.63	200	1.4	1.406	2.4	75.9	0.028	5.1	1.4	<0.005	5.4	0.6	6	6	0.3	28	0.3	0.6	2.0	0.095
3481698	Rock Pulp	4.29	719	6.0	1.225	1.8	231.6	0.026	37.5	27.9	<0.005	0.8	0.8	20	<1	0.4	88	0.1	1.1	1.8	0.244
3481699	Drill Core	2.57	212	0.5	1.674	2.6	25.7	0.025	8.3	2.9	<0.005	0.4	0.5	5	<1	0.2	34	0.3	<0.5	2.9	0.101
3481700	Drill Core	2.48	262	0.2	1.777	2.8	22.5	0.027	2.1	3.9	<0.005	0.3	0.3	4	1	0.2	31	0.3	<0.5	3.4	0.104
3481701	Drill Core	2.02	205	0.3	2.470	3.9	15.4	0.030	1.0	4.7	<0.005	<0.1	<0.1	5	<1	0.3	42	0.4	<0.5	4.6	0.138
3481702	Drill Core	1.57	158	0.4	3.067	3.1	12.3	0.032	0.8	4.0	<0.005	<0.1	<0.1	5	<1	0.2	52	0.3	0.5	4.7	0.127
3481703	Drill Core	1.78	191	0.4	2.731	2.7	8.9	0.045	2.0	4.2	<0.005	0.3	0.2	3	2	0.1	31	0.3	1.3	4.8	0.104
3481704	Rock	0.04	44	0.3	7.878	0.1	0.9	0.002	4.8	51.2	<0.005	<0.1	0.1	<1	<1	0.2	47	<0.1	<0.5	0.2	0.002
3481705	Drill Core	1.61	150	0.4	3.425	2.3	8.1	0.037	1.2	2.0	<0.005	<0.1	0.1	4	<1	<0.1	36	0.2	0.6	3.9	0.096
3481706	Drill Core	1.64	115	0.2	4.452	3.6	12.4	0.041	1.8	2.0	<0.005	<0.1	0.2	6	<1	<0.1	48	0.3	<0.5	6.1	0.154
3481707	Drill Core	0.76	103	0.4	5.455	1.3	12.3	0.033	1.1	1.8	<0.005	<0.1	0.1	4	<1	0.1	77	0.1	<0.5	3.9	0.052
3481708	Drill Core	0.64	83	0.3	5.783	0.8	8.3	0.028	1.0	2.6	<0.005	<0.1	0.1	4	<1	<0.1	82	<0.1	<0.5	3.3	0.030

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 29, 2019

CERTIFICATE OF ANALYSIS TIM19001956.3

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA530
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3481679	Drill Core	<0.5	2.7	38	2.5	10.3	5	76.6	
3481680	Rock Pulp	<0.5	1.0	164	1.3	21.2	117	121.7	
3481681	Drill Core	<0.5	0.8	23	1.3	5.3	2	52.0	
3481682	Drill Core	<0.5	0.5	34	0.4	3.2	4	56.9	
3481683	Drill Core	<0.5	0.6	32	0.4	3.7	7	60.2	
3481684	Drill Core	<0.5	0.7	23	0.6	5.6	2	57.2	
3481685	Drill Core	<0.5	1.0	30	0.9	4.1	3	70.2	
3481686	Drill Core	<0.5	0.8	27	0.4	4.1	2	53.6	
3481687	Drill Core	<0.5	0.5	23	0.3	3.3	2	38.2	
3481688	Drill Core	<0.5	1.2	35	0.9	4.9	2	79.0	
3481689	Drill Core	<0.5	0.7	20	1.0	4.5	2	48.2	
3481690	Drill Core	<0.5	0.6	17	0.4	2.4	<1	36.6	
3481691	Drill Core	<0.5	1.0	25	1.1	4.0	3	64.5	
3481692	Drill Core	<0.5	1.2	36	1.5	8.0	2	102.7	
3481693	Drill Core	<0.5	0.6	30	0.5	3.5	3	64.8	
3481694	Drill Core	<0.5	1.4	33	0.5	5.6	2	90.3	
3481695	Drill Core	<0.5	1.3	24	0.7	5.9	3	73.5	
3481696	Drill Core	<0.5	1.0	23	0.6	4.9	1	67.6	
3481697	Drill Core	<0.5	1.2	57	3.5	4.6	13	55.1	
3481698	Rock Pulp	<0.5	0.5	139	12.9	9.9	82	48.4	11.4
3481699	Drill Core	<0.5	1.2	55	2.4	6.0	12	50.1	
3481700	Drill Core	<0.5	1.4	49	2.5	10.1	13	52.0	
3481701	Drill Core	<0.5	1.4	49	3.0	4.5	9	74.0	
3481702	Drill Core	<0.5	1.4	40	3.8	3.9	7	68.7	
3481703	Drill Core	<0.5	1.7	37	2.6	4.4	9	68.7	
3481704	Rock	0.6	0.1	<1	<0.1	1.6	7	18.3	
3481705	Drill Core	<0.5	1.4	36	2.6	4.9	10	57.1	
3481706	Drill Core	<0.5	3.0	39	4.2	10.6	6	100.8	
3481707	Drill Core	<0.5	1.0	23	1.0	5.1	3	73.1	
3481708	Drill Core	<0.5	0.7	20	0.4	4.0	3	48.0	

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 29, 2019

CERTIFICATE OF ANALYSIS TIM19001956.3

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3481709	Drill Core	3.60	0.007	<0.1	6.29	12	44	2	0.1	1.11	<0.1	25	5.6	33	6.2	0.67	1.5	<0.05	0.18	12.5	1.0
3481710	Drill Core	5.24	0.015	<0.1	6.00	13	34	2	0.1	2.74	<0.1	61	10.9	31	33.5	1.70	1.5	<0.05	0.19	32.7	4.0
3481711	Drill Core	5.42	0.014	<0.1	6.30	9	15	<1	<0.1	2.35	<0.1	42	10.0	35	11.2	1.55	1.5	<0.05	0.14	20.3	4.9
3481712	Drill Core	5.39	0.009	<0.1	5.80	5	30	<1	<0.1	1.90	<0.1	35	3.5	21	18.9	0.86	1.1	<0.05	0.14	18.8	1.8
3481713	Drill Core	6.38	0.010	<0.1	5.30	4	23	1	<0.1	5.02	<0.1	39	2.3	21	7.7	1.42	1.0	<0.05	0.14	20.5	2.0
3481714	Drill Core	4.98	<0.005	<0.1	5.97	8	49	<1	<0.1	1.61	<0.1	37	3.5	20	7.6	0.74	1.1	<0.05	0.21	19.0	1.8
3481715	Drill Core	6.47	<0.005	<0.1	6.02	9	54	<1	<0.1	2.16	<0.1	36	4.2	26	4.2	0.82	1.3	<0.05	0.25	17.4	2.8
3481716	Drill Core	6.07	0.005	<0.1	5.60	12	50	<1	<0.1	2.35	<0.1	27	5.5	27	7.4	0.89	1.4	<0.05	0.23	15.3	2.1
3481717	Drill Core	5.85	0.009	<0.1	5.78	10	65	<1	<0.1	4.42	<0.1	35	5.6	31	6.0	1.30	1.2	<0.05	0.31	17.8	2.9
3481718	Drill Core	5.44	0.018	<0.1	5.61	11	36	<1	<0.1	5.94	<0.1	59	7.8	24	5.8	1.42	1.2	<0.05	0.18	32.0	1.5
3481719	Drill Core	6.72	0.011	<0.1	5.01	7	35	<1	<0.1	7.05	<0.1	40	4.0	28	3.2	1.55	1.1	0.07	0.18	20.3	1.0
3481720	Rock Pulp	0.07	0.538	0.2	7.53	5	140	<1	<0.1	7.30	0.2	10	41.2	171	149.1	8.18	1.7	0.08	0.21	4.0	11.1
3481721	Drill Core	5.63	0.005	<0.1	4.99	6	49	<1	<0.1	6.50	<0.1	32	2.5	29	4.0	1.49	0.8	0.05	0.23	15.4	2.0
3481722	Drill Core	5.10	0.012	<0.1	5.22	4	41	<1	<0.1	6.02	<0.1	42	3.2	28	2.7	1.46	1.0	<0.05	0.21	19.9	1.8
3481723	Drill Core	5.03	0.005	<0.1	5.79	7	35	2	<0.1	4.46	<0.1	45	2.9	32	3.8	1.12	1.4	<0.05	0.18	22.0	1.4
3481724	Drill Core	4.39	0.006	<0.1	6.00	5	49	1	<0.1	3.45	<0.1	35	2.9	30	7.2	1.04	1.2	<0.05	0.23	17.6	2.4
3481725	Rock	0.20	<0.005	<0.1	8.55	2	39	<1	<0.1	0.19	<0.1	1	<0.2	2	1.5	0.34	0.5	<0.05	4.18	0.6	23.5
3481726	Drill Core	6.13	<0.005	<0.1	6.48	16	62	1	<0.1	1.27	<0.1	74	6.7	40	27.6	0.79	2.4	<0.05	0.31	37.5	3.5
3481727	Drill Core	4.63	0.006	<0.1	6.49	13	46	<1	<0.1	1.41	<0.1	44	8.1	38	11.3	0.78	1.8	<0.05	0.24	23.3	3.3
3481728	Drill Core	6.24	0.006	<0.1	6.45	13	29	<1	<0.1	2.10	<0.1	104	12.7	36	12.8	0.98	1.8	<0.05	0.19	58.1	4.6
3481729	Drill Core	5.53	<0.005	<0.1	6.25	4	49	1	<0.1	1.95	<0.1	61	1.6	23	2.9	0.60	1.4	<0.05	0.26	32.4	1.5
3481730	Drill Core	5.54	<0.005	<0.1	6.27	9	58	<1	<0.1	1.53	<0.1	41	4.7	23	12.0	0.74	1.2	<0.05	0.33	20.9	2.1
3481731	Drill Core	6.02	<0.005	<0.1	5.95	6	62	2	<0.1	1.27	<0.1	36	3.2	29	5.3	0.89	1.7	<0.05	0.33	16.8	2.0
3481732	Drill Core	5.32	<0.005	<0.1	5.49	5	54	1	<0.1	0.82	<0.1	29	2.2	37	4.0	0.62	1.8	<0.05	0.30	13.2	3.5
3481733	Drill Core	5.61	<0.005	<0.1	5.74	6	47	<1	0.1	1.50	<0.1	33	4.8	28	3.7	0.68	1.4	<0.05	0.26	15.0	1.9
3481734	Drill Core	5.28	0.005	<0.1	5.76	5	51	<1	<0.1	2.10	<0.1	38	3.3	33	3.0	0.81	1.9	<0.05	0.25	17.6	2.0
3481735	Drill Core	5.81	0.005	<0.1	5.76	5	42	1	<0.1	1.58	<0.1	31	3.2	23	2.3	0.65	1.3	<0.05	0.22	15.2	2.0
3481736	Drill Core	6.19	<0.005	<0.1	5.64	5	53	<1	<0.1	1.85	<0.1	29	2.2	20	5.2	0.73	1.1	<0.05	0.24	13.3	2.1
3481737	Drill Core	6.31	<0.005	<0.1	5.77	5	52	1	<0.1	1.81	<0.1	31	2.1	20	4.3	0.66	1.2	<0.05	0.20	14.7	1.2
3481738	Drill Core	5.09	0.006	<0.1	5.53	6	57	1	<0.1	0.97	<0.1	33	2.5	17	4.2	0.65	0.9	<0.05	0.22	17.4	1.7

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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3481709	Drill Core	0.74	103	0.3	5.877	0.8	11.2	0.032	1.0	3.8	<0.005	<0.1	<0.1	4	<1	0.1	84	<0.1	<0.5	3.7	0.030
3481710	Drill Core	2.09	342	0.5	4.645	1.0	19.4	0.028	0.8	5.0	<0.005	0.1	0.2	15	1	0.2	90	<0.1	<0.5	3.1	0.044
3481711	Drill Core	2.04	238	1.0	4.616	1.0	19.7	0.039	0.6	1.8	<0.005	<0.1	0.1	12	<1	0.1	80	0.1	<0.5	3.8	0.044
3481712	Drill Core	1.30	174	1.7	4.922	0.9	10.2	0.024	1.1	2.6	<0.005	<0.1	0.1	8	<1	0.1	95	<0.1	<0.5	3.1	0.034
3481713	Drill Core	2.77	373	0.9	4.357	0.7	8.6	0.023	0.7	2.7	<0.005	<0.1	0.2	20	1	0.1	106	<0.1	0.6	2.4	0.026
3481714	Drill Core	1.11	123	0.6	5.055	0.8	11.1	0.023	0.9	4.7	<0.005	<0.1	0.1	6	<1	0.2	98	<0.1	<0.5	2.6	0.032
3481715	Drill Core	1.43	158	0.7	4.955	0.9	13.0	0.027	1.0	5.5	<0.005	<0.1	0.2	10	<1	0.2	105	<0.1	<0.5	2.9	0.036
3481716	Drill Core	1.39	181	2.1	4.638	0.8	13.1	0.028	0.9	5.8	<0.005	<0.1	0.1	11	<1	0.2	105	<0.1	<0.5	2.9	0.030
3481717	Drill Core	2.46	303	0.6	4.468	0.8	14.3	0.029	0.8	8.7	<0.005	<0.1	0.2	19	1	0.2	120	<0.1	<0.5	3.1	0.033
3481718	Drill Core	3.01	386	1.7	4.719	0.6	10.6	0.032	0.9	4.5	<0.005	<0.1	0.3	25	<1	<0.1	103	<0.1	1.1	3.3	0.022
3481719	Drill Core	3.67	479	1.5	4.189	0.4	8.2	0.026	0.8	4.6	<0.005	<0.1	0.2	34	1	<0.1	109	<0.1	0.7	2.4	0.014
3481720	Rock Pulp	4.35	1444	0.7	2.364	3.5	100.0	0.043	2.8	3.7	<0.005	0.1	0.5	43	<1	0.6	115	0.2	1.0	0.4	0.686
3481721	Drill Core	3.49	414	0.6	3.959	0.4	9.7	0.022	1.0	6.8	<0.005	<0.1	0.1	31	<1	0.1	124	<0.1	1.7	2.4	0.017
3481722	Drill Core	3.20	398	0.5	4.287	0.5	8.3	0.023	1.0	5.7	<0.005	<0.1	0.2	31	<1	0.1	110	<0.1	0.9	2.6	0.023
3481723	Drill Core	2.46	284	1.0	4.788	0.8	8.5	0.030	1.0	4.8	<0.005	<0.1	0.2	19	<1	0.1	107	<0.1	1.2	3.0	0.032
3481724	Drill Core	1.98	225	0.9	4.755	1.1	11.9	0.027	0.9	6.6	<0.005	<0.1	0.2	16	<1	0.2	112	0.1	1.1	3.3	0.043
3481725	Rock	0.03	53	0.3	7.944	<0.1	0.6	<0.001	4.7	51.1	<0.005	<0.1	0.2	<1	1	<0.1	48	<0.1	<0.5	0.2	0.002
3481726	Drill Core	1.29	90	1.0	5.350	1.6	19.0	0.036	1.4	7.9	<0.005	<0.1	0.1	8	<1	0.2	123	0.2	<0.5	5.2	0.056
3481727	Drill Core	1.22	113	1.6	5.414	1.2	18.3	0.042	1.3	6.4	<0.005	<0.1	0.2	9	<1	0.2	115	0.1	<0.5	3.9	0.051
3481728	Drill Core	1.51	177	1.7	5.582	1.3	17.6	0.041	2.4	2.9	<0.005	0.2	0.4	7	<1	0.3	104	0.1	<0.5	4.0	0.055
3481729	Drill Core	1.09	159	1.0	5.395	0.8	9.0	0.036	1.5	6.4	<0.005	<0.1	0.2	5	<1	0.3	131	<0.1	<0.5	3.5	0.032
3481730	Drill Core	1.00	129	0.7	5.137	0.9	13.9	0.029	1.5	9.8	<0.005	<0.1	0.3	5	<1	0.4	124	<0.1	<0.5	3.6	0.037
3481731	Drill Core	0.98	121	0.6	4.547	1.1	13.8	0.035	1.8	10.5	<0.005	<0.1	0.2	5	<1	0.3	116	0.1	<0.5	4.2	0.039
3481732	Drill Core	0.81	83	0.4	4.820	1.2	19.3	0.042	2.1	4.8	<0.005	<0.1	0.2	4	<1	0.3	95	0.1	<0.5	3.6	0.049
3481733	Drill Core	1.01	106	0.5	4.683	0.9	11.2	0.029	1.9	6.4	<0.005	<0.1	0.2	6	<1	0.2	104	0.1	<0.5	3.5	0.036
3481734	Drill Core	1.30	149	0.8	4.706	1.0	9.9	0.031	1.9	6.2	<0.005	<0.1	0.2	5	<1	0.3	107	0.1	<0.5	4.2	0.043
3481735	Drill Core	0.94	116	0.4	4.665	0.7	6.9	0.029	2.1	5.1	<0.005	<0.1	0.2	3	<1	0.2	99	<0.1	<0.5	3.6	0.030
3481736	Drill Core	1.18	196	0.3	4.425	0.8	9.1	0.022	2.1	5.4	<0.005	<0.1	0.2	5	<1	0.2	108	<0.1	<0.5	2.8	0.031
3481737	Drill Core	1.01	130	0.5	4.618	0.6	5.9	0.024	3.9	5.6	<0.005	<0.1	0.2	3	<1	0.2	101	<0.1	<0.5	2.9	0.026
3481738	Drill Core	0.75	91	0.7	4.623	0.6	8.2	0.022	4.4	6.0	<0.005	<0.1	0.1	2	<1	0.2	98	<0.1	<0.5	2.7	0.025

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Bureau Veritas Commodities Canada Ltd.

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 29, 2019

CERTIFICATE OF ANALYSIS TIM19001956.3

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA530
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3481709	Drill Core	<0.5	1.2	21	0.6	4.8	2	59.8	
3481710	Drill Core	<0.5	1.4	45	0.9	13.0	3	53.1	
3481711	Drill Core	<0.5	1.4	40	0.8	11.2	4	55.5	
3481712	Drill Core	<0.5	1.0	28	0.6	6.3	7	43.0	
3481713	Drill Core	<0.5	1.1	45	0.5	9.9	2	36.9	
3481714	Drill Core	<0.5	1.8	29	0.4	5.6	1	38.4	
3481715	Drill Core	<0.5	1.1	34	0.3	6.0	1	48.9	
3481716	Drill Core	<0.5	2.2	31	0.3	5.5	2	50.7	
3481717	Drill Core	<0.5	1.1	50	0.4	8.6	2	44.1	
3481718	Drill Core	<0.5	1.7	44	0.5	11.6	1	44.0	
3481719	Drill Core	<0.5	1.5	54	0.4	13.1	1	36.7	
3481720	Rock Pulp	<0.5	0.1	318	1.1	22.0	85	45.5	
3481721	Drill Core	<0.5	1.1	56	0.3	12.0	1	32.7	
3481722	Drill Core	<0.5	1.2	54	0.4	12.5	1	37.8	
3481723	Drill Core	<0.5	1.2	43	0.6	10.8	2	49.8	
3481724	Drill Core	<0.5	1.2	45	0.6	7.9	2	44.2	
3481725	Rock	0.6	0.2	<1	<0.1	1.8	9	22.4	
3481726	Drill Core	<0.5	1.8	37	0.5	6.4	2	84.4	
3481727	Drill Core	<0.5	2.0	37	0.8	7.0	2	65.4	
3481728	Drill Core	<0.5	7.4	31	0.9	10.2	2	67.0	
3481729	Drill Core	<0.5	4.1	19	0.5	6.2	<1	52.7	
3481730	Drill Core	<0.5	3.1	21	0.6	5.6	2	47.5	
3481731	Drill Core	<0.5	1.6	26	0.4	4.5	2	58.8	
3481732	Drill Core	<0.5	1.2	31	0.4	3.7	4	69.4	
3481733	Drill Core	<0.5	1.5	29	0.4	4.2	<1	53.8	
3481734	Drill Core	<0.5	1.7	46	0.5	6.7	1	66.6	
3481735	Drill Core	<0.5	1.7	30	0.3	5.0	3	46.1	
3481736	Drill Core	<0.5	1.3	33	0.3	6.1	3	39.2	
3481737	Drill Core	<0.5	2.0	33	0.4	6.4	4	41.4	
3481738	Drill Core	<0.5	7.2	23	0.4	4.2	6	31.8	

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 29, 2019

CERTIFICATE OF ANALYSIS TIM19001956.3

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3481739	Drill Core	4.89	0.006	<0.1	5.08	5	40	1	<0.1	0.63	<0.1	20	2.5	17	3.9	0.58	1.1	<0.05	0.20	9.1	1.9
3481740	Rock Pulp	0.06	5.331	0.9	6.23	23	210	<1	0.3	5.43	<0.1	12	39.8	268	138.2	7.29	1.5	<0.05	0.52	5.0	19.2
3481741	Drill Core	6.19	<0.005	<0.1	5.88	5	44	<1	<0.1	1.27	<0.1	22	1.8	16	3.2	0.63	0.9	<0.05	0.20	11.2	1.7
3481742	Drill Core	5.11	<0.005	<0.1	5.55	5	50	2	<0.1	0.98	<0.1	30	2.4	14	2.6	0.55	1.0	<0.05	0.23	14.7	1.6
3481743	Drill Core	5.96	0.006	<0.1	5.46	6	42	<1	<0.1	2.89	<0.1	29	4.0	28	3.9	1.10	1.7	<0.05	0.20	14.0	2.3
3481744	Drill Core	5.54	<0.005	<0.1	5.93	4	59	<1	<0.1	1.16	<0.1	32	3.0	24	3.3	0.75	1.5	<0.05	0.27	16.9	3.4
3481745	Drill Core	6.34	<0.005	<0.1	5.13	3	58	2	<0.1	0.58	<0.1	18	2.3	27	3.2	0.65	1.5	<0.05	0.30	8.0	3.3
3481746	Drill Core	5.48	<0.005	<0.1	5.84	2	52	1	<0.1	0.64	<0.1	39	1.9	29	1.9	0.52	2.1	<0.05	0.24	17.2	2.5
3481747	Drill Core	5.52	<0.005	<0.1	5.65	5	56	<1	<0.1	0.98	<0.1	24	3.4	31	4.8	1.04	1.7	<0.05	0.29	10.9	4.6
3481748	Drill Core	6.11	<0.005	<0.1	5.24	4	59	2	<0.1	0.90	<0.1	25	5.7	37	6.7	1.29	1.5	<0.05	0.24	10.9	4.0
3481749	Drill Core	5.75	<0.005	<0.1	5.67	4	36	2	<0.1	1.04	<0.1	26	2.8	27	2.4	0.64	1.6	<0.05	0.19	12.1	2.0
3481750	Rock	0.20	<0.005	<0.1	8.39	2	43	<1	<0.1	0.19	<0.1	1	<0.2	2	2.0	0.30	0.3	<0.05	4.27	0.6	26.9
3481751	Drill Core	5.77	<0.005	<0.1	5.74	6	49	<1	<0.1	0.70	<0.1	34	4.9	49	4.3	0.64	2.8	<0.05	0.23	15.6	3.6
3481752	Drill Core	5.74	0.007	<0.1	5.47	7	65	2	0.1	0.59	<0.1	51	6.5	51	8.1	0.78	2.2	<0.05	0.29	21.9	3.1
3481753	Drill Core	6.40	<0.005	<0.1	5.14	7	41	<1	<0.1	0.66	<0.1	26	4.0	27	4.4	0.68	1.7	<0.05	0.19	11.7	2.4
3481754	Drill Core	3.96	0.007	<0.1	6.06	10	54	1	0.1	0.98	<0.1	59	5.3	47	2.9	0.82	2.6	<0.05	0.25	26.8	4.1
3481755	Drill Core	5.50	0.007	<0.1	4.64	7	49	<1	<0.1	0.49	<0.1	18	4.6	23	3.7	0.68	1.2	<0.05	0.24	7.9	3.8
3481756	Drill Core	6.49	<0.005	<0.1	4.62	4	35	1	<0.1	0.37	<0.1	22	2.2	26	3.7	0.52	1.2	<0.05	0.17	8.8	1.8
3481757	Drill Core	5.75	<0.005	<0.1	5.89	6	52	2	<0.1	2.31	<0.1	48	4.3	27	4.6	0.99	1.7	0.07	0.22	23.5	2.4
3481758	Drill Core	5.48	<0.005	<0.1	4.42	3	37	1	<0.1	0.39	<0.1	21	2.4	26	3.6	0.49	1.5	<0.05	0.20	9.0	1.4
3481759	Drill Core	4.72	<0.005	<0.1	5.38	4	47	1	<0.1	0.39	<0.1	34	3.1	25	2.5	0.43	1.7	<0.05	0.21	16.6	1.3
3481760	Rock Pulp	0.07	1.497	0.2	7.15	843	332	1	<0.1	5.79	<0.1	36	39.1	195	76.8	8.67	3.0	<0.05	0.68	19.5	9.5
3481761	Drill Core	5.31	<0.005	<0.1	5.75	3	37	1	<0.1	0.44	<0.1	38	2.3	28	4.4	0.46	1.7	<0.05	0.19	18.3	1.5
3481762	Drill Core	4.23	<0.005	<0.1	4.44	4	31	2	<0.1	0.37	<0.1	17	2.6	23	4.0	0.56	1.5	<0.05	0.16	7.4	2.7
3481763	Drill Core	6.75	<0.005	<0.1	6.85	15	57	2	0.2	3.30	<0.1	74	12.5	50	6.6	1.27	2.4	<0.05	0.29	36.4	10.4
3481764	Drill Core	3.23	<0.005	<0.1	5.30	4	52	1	<0.1	0.69	<0.1	21	1.5	21	3.3	0.65	1.0	<0.05	0.25	9.1	6.0
3481765	Drill Core	3.74	0.038	<0.1	6.25	151	132	2	0.3	1.50	<0.1	36	14.0	41	17.4	2.49	2.0	<0.05	0.33	15.4	13.0
3481766	Drill Core	6.47	<0.005	<0.1	8.05	6	474	<1	0.1	5.24	<0.1	47	51.4	44	40.5	10.60	4.0	0.11	1.11	22.4	29.3
3481767	Drill Core	7.69	<0.005	<0.1	9.39	4	510	1	<0.1	6.49	<0.1	45	62.7	53	50.4	12.36	4.6	<0.05	0.95	19.1	19.9
3481768	Drill Core	7.62	<0.005	<0.1	8.54	4	453	2	<0.1	5.83	<0.1	41	63.4	48	44.1	11.14	4.0	0.11	1.09	17.1	15.9

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Project: SPJ
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CERTIFICATE OF ANALYSIS TIM19001956.3

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3481739	Drill Core	0.45	78	0.9	4.967	0.5	6.2	0.022	3.0	1.8	<0.005	<0.1	0.2	2	<1	0.2	79	<0.1	<0.5	1.6	0.027
3481740	Rock Pulp	4.05	1243	2.8	1.951	3.1	123.4	0.043	16.0	14.1	<0.005	0.4	0.4	32	1	0.6	107	0.2	0.7	1.0	0.572
3481741	Drill Core	0.82	118	0.3	5.004	0.5	6.5	0.022	1.5	4.9	<0.005	<0.1	0.2	2	<1	0.2	99	<0.1	<0.5	2.1	0.025
3481742	Drill Core	0.67	109	0.5	4.693	0.5	5.8	0.024	1.1	5.8	<0.005	<0.1	0.2	2	<1	0.1	93	<0.1	<0.5	2.6	0.023
3481743	Drill Core	1.66	197	0.4	4.720	1.1	9.1	0.034	2.1	3.6	<0.005	<0.1	0.3	3	<1	0.2	110	0.2	<0.5	3.0	0.037
3481744	Drill Core	1.05	106	0.6	4.681	1.0	12.6	0.028	1.2	6.7	<0.005	<0.1	0.1	3	<1	0.4	114	<0.1	<0.5	2.9	0.037
3481745	Drill Core	0.76	60	0.4	5.171	1.0	14.5	0.029	1.2	3.2	<0.005	<0.1	0.2	3	<1	0.3	89	0.1	<0.5	2.3	0.038
3481746	Drill Core	0.60	62	0.4	5.174	1.1	10.0	0.038	1.5	4.8	<0.005	<0.1	0.1	3	<1	0.2	94	<0.1	<0.5	4.1	0.036
3481747	Drill Core	1.06	97	0.7	4.874	1.0	18.8	0.040	4.1	4.9	<0.005	<0.1	0.2	4	<1	4.3	107	<0.1	<0.5	3.4	0.036
3481748	Drill Core	0.92	152	0.6	4.990	1.1	19.2	0.048	2.5	1.9	<0.005	<0.1	0.2	4	<1	1.2	93	<0.1	<0.5	2.3	0.122
3481749	Drill Core	0.76	96	0.3	4.924	0.7	10.2	0.037	1.6	3.7	<0.005	<0.1	<0.1	3	<1	0.5	87	<0.1	<0.5	3.1	0.035
3481750	Rock	0.03	52	0.3	6.959	0.1	0.4	0.001	5.0	56.2	<0.005	<0.1	0.1	<1	<1	0.2	52	<0.1	<0.5	0.3	0.002
3481751	Drill Core	0.76	66	1.0	5.160	1.1	22.2	0.052	1.7	3.0	<0.005	<0.1	0.3	4	<1	0.3	97	0.1	<0.5	5.1	0.052
3481752	Drill Core	0.61	81	1.0	5.379	1.3	18.1	0.040	3.9	3.1	<0.005	0.2	0.3	3	<1	1.6	87	0.1	<0.5	4.0	0.057
3481753	Drill Core	0.68	76	0.5	4.946	1.0	15.5	0.037	2.0	1.9	<0.005	<0.1	0.2	2	<1	0.2	82	0.1	<0.5	2.7	0.040
3481754	Drill Core	1.06	98	0.7	4.986	1.6	27.2	0.042	5.5	4.8	<0.005	0.1	0.2	4	<1	0.3	108	0.1	<0.5	5.6	0.062
3481755	Drill Core	0.68	69	0.4	4.862	0.9	18.3	0.029	1.9	2.1	<0.005	<0.1	0.1	2	<1	0.2	78	<0.1	<0.5	2.1	0.038
3481756	Drill Core	0.38	67	0.6	5.181	0.9	8.0	0.026	1.1	1.3	<0.005	<0.1	0.2	1	<1	0.2	59	<0.1	<0.5	1.9	0.037
3481757	Drill Core	1.49	239	0.7	4.688	1.2	11.7	0.038	1.7	6.1	<0.005	<0.1	0.4	6	<1	0.4	116	0.1	<0.5	3.9	0.053
3481758	Drill Core	0.26	59	0.6	5.243	0.9	8.3	0.028	2.6	1.6	<0.005	<0.1	0.2	1	<1	1.5	54	<0.1	<0.5	1.7	0.037
3481759	Drill Core	0.32	61	0.3	4.997	1.3	5.7	0.027	1.3	6.1	<0.005	0.1	0.3	2	<1	0.3	83	0.1	<0.5	4.0	0.047
3481760	Rock Pulp	3.95	1949	2.3	2.110	18.4	140.7	0.191	4.6	20.8	<0.005	0.7	2.3	19	2	1.5	357	1.1	<0.5	3.1	0.981
3481761	Drill Core	0.39	82	0.5	5.376	1.2	6.5	0.032	1.4	4.1	<0.005	<0.1	0.4	2	<1	0.3	87	0.1	<0.5	3.9	0.044
3481762	Drill Core	0.52	87	0.5	4.913	1.0	11.2	0.027	1.4	1.1	<0.005	<0.1	0.4	2	<1	0.2	73	0.1	<0.5	2.1	0.044
3481763	Drill Core	1.99	297	2.0	5.642	2.9	25.8	0.058	26.1	3.9	0.005	0.1	0.5	10	<1	0.6	112	0.3	0.5	6.9	0.134
3481764	Drill Core	0.58	90	0.7	4.934	0.7	9.9	0.024	2.4	2.8	<0.005	<0.1	0.2	2	<1	0.2	96	<0.1	<0.5	1.9	0.033
3481765	Drill Core	1.43	258	0.5	4.281	2.4	33.6	0.075	9.3	5.7	<0.005	0.1	1.2	7	<1	0.4	176	0.2	<0.5	3.7	0.363
3481766	Drill Core	4.22	1348	0.7	2.024	8.8	71.2	0.264	4.9	33.8	<0.005	0.1	0.5	25	<1	1.4	408	0.5	0.8	1.6	1.964
3481767	Drill Core	4.12	1698	0.8	2.470	10.3	87.3	0.299	3.9	18.8	<0.005	<0.1	0.2	30	<1	1.4	484	0.6	0.8	0.9	2.244
3481768	Drill Core	4.14	1653	0.7	2.268	9.1	91.7	0.239	3.5	24.0	<0.005	0.1	0.4	28	<1	1.2	450	0.5	<0.5	0.8	1.954

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Report Date: October 29, 2019

CERTIFICATE OF ANALYSIS TIM19001956.3

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA530
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3481739	Drill Core	<0.5	1.9	20	0.5	2.0	3	37.1	
3481740	Rock Pulp	<0.5	0.3	282	5.1	20.5	78	54.9	
3481741	Drill Core	<0.5	0.9	27	0.4	4.5	1	32.4	
3481742	Drill Core	<0.5	1.2	19	0.4	3.6	2	36.8	
3481743	Drill Core	<0.5	1.9	47	0.6	7.7	4	59.8	
3481744	Drill Core	<0.5	1.5	26	0.4	4.9	2	48.3	
3481745	Drill Core	<0.5	0.7	28	0.3	2.7	2	50.2	
3481746	Drill Core	<0.5	1.5	30	0.3	4.9	2	72.6	
3481747	Drill Core	<0.5	1.1	30	0.3	4.6	64	61.8	
3481748	Drill Core	<0.5	1.0	45	0.3	8.2	9	55.5	
3481749	Drill Core	<0.5	1.1	27	0.4	4.1	2	63.6	
3481750	Rock	0.7	0.2	<1	<0.1	1.9	6	17.3	
3481751	Drill Core	<0.5	1.8	39	0.4	4.4	2	103.4	
3481752	Drill Core	<0.5	1.7	44	0.6	3.9	3	78.5	
3481753	Drill Core	<0.5	1.6	26	0.4	2.5	4	60.9	
3481754	Drill Core	<0.5	3.5	44	0.8	5.5	4	88.7	
3481755	Drill Core	<0.5	0.7	23	0.4	1.9	3	40.2	
3481756	Drill Core	<0.5	0.9	21	0.6	2.0	<1	44.8	
3481757	Drill Core	<0.5	2.0	34	0.5	5.7	3	53.5	
3481758	Drill Core	<0.5	0.8	22	0.6	1.8	2	51.6	
3481759	Drill Core	<0.5	2.1	18	0.6	3.2	2	59.0	
3481760	Rock Pulp	<0.5	0.8	168	1.2	21.7	108	131.9	
3481761	Drill Core	<0.5	1.8	17	0.6	3.6	3	58.6	
3481762	Drill Core	<0.5	0.7	20	0.5	2.0	2	51.1	
3481763	Drill Core	<0.5	3.8	57	2.2	14.6	57	84.7	
3481764	Drill Core	<0.5	0.8	15	0.4	2.4	3	38.4	
3481765	Drill Core	<0.5	1.3	77	0.4	8.6	14	72.9	
3481766	Drill Core	<0.5	0.5	300	0.2	36.2	107	148.8	
3481767	Drill Core	<0.5	0.2	360	0.1	35.0	171	157.8	
3481768	Drill Core	<0.5	0.2	303	0.2	31.8	142	147.5	

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 29, 2019

CERTIFICATE OF ANALYSIS TIM19001956.3

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3481769	Drill Core	7.43	<0.005	<0.1	7.99	2	472	1	0.1	5.88	<0.1	41	58.0	48	45.5	11.10	4.1	0.12	0.83	17.6	13.4
3481770	Drill Core	4.36	0.005	<0.1	5.84	2	84	1	<0.1	0.71	<0.1	35	7.2	22	6.6	1.22	1.4	<0.05	0.32	17.1	4.3
3481771	Drill Core	5.08	<0.005	<0.1	4.56	1	64	1	<0.1	0.35	<0.1	26	2.4	23	4.4	0.71	1.4	<0.05	0.34	11.6	4.8
3481772	Drill Core	5.05	<0.005	<0.1	4.52	1	44	1	<0.1	0.35	<0.1	25	2.2	24	5.3	0.52	1.4	<0.05	0.25	11.3	3.9
3481773	Drill Core	5.17	<0.005	<0.1	4.89	7	32	<1	<0.1	0.22	<0.1	25	2.4	21	5.8	0.69	1.3	<0.05	0.13	12.1	3.5
3481774	Drill Core	5.18	<0.005	<0.1	3.91	8	22	<1	<0.1	0.37	<0.1	21	3.5	23	4.2	0.52	1.3	<0.05	0.10	9.5	1.2
3481775	Rock	0.20	<0.005	<0.1	6.71	4	29	1	<0.1	0.16	<0.1	<1	0.3	3	2.0	0.34	0.5	<0.05	4.04	0.4	22.0
3481776	Drill Core	6.54	3.286	0.3	5.44	118	36	2	0.3	1.19	<0.1	43	52.4	28	296.3	2.83	1.5	0.05	0.16	22.2	6.4
3481777	Drill Core	5.80	<0.005	<0.1	4.95	5	34	2	<0.1	0.81	<0.1	20	2.6	15	3.1	0.54	1.2	<0.05	0.13	9.4	1.0
3481778	Drill Core	5.50	<0.005	<0.1	5.23	4	38	<1	<0.1	0.36	<0.1	18	2.0	22	2.9	0.50	1.3	<0.05	0.16	8.0	1.2
3481779	Drill Core	5.66	0.006	<0.1	5.43	6	39	1	<0.1	1.21	<0.1	34	3.1	27	6.1	0.74	1.5	<0.05	0.15	16.2	1.0
3481780	Rock Pulp	0.07	0.497	0.2	7.31	7	149	<1	<0.1	6.82	<0.1	11	47.7	181	150.5	7.97	1.7	<0.05	0.18	4.3	10.6
3481781	Drill Core	4.65	0.007	<0.1	5.61	8	28	2	<0.1	3.41	<0.1	42	4.5	25	3.3	1.02	1.4	<0.05	0.13	20.8	1.0
3481782	Drill Core	3.88	<0.005	<0.1	5.18	8	42	1	0.1	0.61	<0.1	28	3.4	26	3.2	0.65	1.9	<0.05	0.17	12.8	2.3
3481783	Drill Core	6.34	<0.005	<0.1	4.56	8	32	1	<0.1	0.44	<0.1	22	2.6	32	3.5	0.73	1.5	<0.05	0.16	10.1	4.6
3481784	Drill Core	5.02	<0.005	<0.1	5.08	4	29	2	<0.1	0.71	<0.1	27	2.1	23	2.3	0.52	1.6	<0.05	0.14	12.4	0.6
3481785	Drill Core	5.44	<0.005	<0.1	5.57	6	22	2	<0.1	4.62	<0.1	81	2.4	43	2.6	1.18	2.1	<0.05	0.12	41.7	0.8
3481786	Drill Core	4.59	<0.005	<0.1	5.79	2	26	1	<0.1	1.24	<0.1	27	1.3	14	1.7	0.49	1.2	<0.05	0.13	13.6	<0.1
3481787	Drill Core	4.77	<0.005	<0.1	5.36	5	30	<1	<0.1	0.63	<0.1	21	1.7	23	2.8	0.41	1.9	<0.05	0.16	9.7	0.4
3481788	Drill Core	4.68	<0.005	<0.1	5.91	4	27	1	<0.1	3.55	<0.1	40	2.0	19	1.6	0.81	1.5	<0.05	0.13	19.8	0.4
3481789	Drill Core	4.51	<0.005	<0.1	6.01	4	24	<1	<0.1	7.78	<0.1	80	1.5	19	1.5	1.63	1.2	<0.05	0.11	39.4	0.3
3481790	Drill Core	5.21	<0.005	<0.1	6.71	5	17	<1	0.1	5.28	<0.1	100	2.4	26	2.1	1.28	2.0	<0.05	0.10	53.1	0.7
3481791	Drill Core	4.61	0.006	<0.1	6.06	5	21	<1	0.1	2.94	<0.1	107	2.4	25	1.7	0.79	1.8	<0.05	0.11	54.9	0.4
3481792	Drill Core	3.98	<0.005	<0.1	6.00	4	30	<1	<0.1	1.22	<0.1	44	1.5	18	1.9	0.58	1.3	<0.05	0.14	22.5	1.0
3481793	Drill Core	5.36	<0.005	<0.1	5.35	4	27	<1	<0.1	0.47	<0.1	29	1.8	23	2.3	0.46	1.6	<0.05	0.12	13.3	1.1
3481794	Drill Core	5.21	0.015	<0.1	5.57	9	85	<1	<0.1	0.82	<0.1	19	3.4	21	6.4	0.57	1.3	<0.05	0.20	9.7	0.9
3481795	Drill Core	5.54	0.005	<0.1	5.69	31	68	3	<0.1	2.37	<0.1	35	12.4	35	51.8	0.85	1.9	<0.05	0.25	16.8	1.6
3481796	Drill Core	3.67	<0.005	<0.1	5.78	22	76	2	0.1	1.05	0.3	31	15.0	31	37.5	0.74	1.7	<0.05	0.30	15.2	3.7
3481797	Drill Core	5.00	<0.005	<0.1	5.50	10	62	2	<0.1	1.04	<0.1	21	4.3	24	7.4	0.53	1.5	<0.05	0.17	9.6	1.5
3481798	Rock Pulp	0.07	5.184	0.9	6.41	27	224	<1	0.3	5.49	0.1	12	45.1	280	135.0	7.33	1.8	0.11	0.49	5.7	17.1

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Project: SPJ
Report Date: October 29, 2019

CERTIFICATE OF ANALYSIS TIM19001956.3

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3481769	Drill Core	3.68	1555	0.7	2.296	8.7	78.9	0.266	3.9	14.5	<0.005	0.1	0.3	26	<1	1.4	404	0.5	<0.5	0.8	1.865
3481770	Drill Core	0.58	149	0.5	4.716	1.2	11.5	0.039	5.0	5.1	<0.005	0.1	0.3	3	<1	0.3	125	0.1	<0.5	3.6	0.144
3481771	Drill Core	0.49	70	0.5	4.941	1.0	10.2	0.028	3.4	2.2	<0.005	<0.1	0.3	2	<1	0.2	87	0.1	<0.5	2.8	0.053
3481772	Drill Core	0.41	89	0.3	5.060	1.0	7.5	0.024	3.6	1.2	<0.005	<0.1	0.2	1	<1	0.2	64	0.1	<0.5	2.5	0.044
3481773	Drill Core	0.56	67	0.5	5.042	1.0	11.7	0.020	1.6	1.7	<0.005	<0.1	0.3	2	<1	0.4	73	<0.1	<0.5	3.1	0.041
3481774	Drill Core	0.38	95	0.6	5.097	1.2	7.1	0.023	1.5	0.4	<0.005	<0.1	0.2	<1	<1	0.2	48	0.1	<0.5	2.4	0.043
3481775	Rock	0.02	54	0.4	7.286	<0.1	0.5	0.001	4.4	54.1	<0.005	<0.1	0.3	<1	<1	0.2	32	<0.1	<0.5	0.2	0.001
3481776	Drill Core	1.40	220	0.5	4.449	0.9	44.9	0.030	5.6	2.9	<0.005	2.0	0.5	2	3	0.3	66	<0.1	<0.5	4.2	0.055
3481777	Drill Core	0.49	110	0.4	4.980	0.8	3.8	0.019	1.5	1.8	<0.005	<0.1	0.3	1	<1	0.2	64	<0.1	<0.5	2.2	0.030
3481778	Drill Core	0.28	70	0.6	5.176	1.0	5.9	0.021	1.4	2.3	<0.005	<0.1	0.3	1	<1	0.1	71	0.1	<0.5	2.8	0.036
3481779	Drill Core	0.76	161	0.6	5.155	1.0	7.0	0.026	2.2	2.7	<0.005	<0.1	0.3	2	<1	0.2	79	0.1	<0.5	4.5	0.038
3481780	Rock Pulp	4.16	1441	0.7	2.265	3.7	97.4	0.040	3.2	3.9	<0.005	0.1	0.5	47	<1	0.6	122	0.2	<0.5	0.6	0.685
3481781	Drill Core	1.81	269	0.3	4.523	1.2	5.9	0.027	1.6	3.3	<0.005	0.2	0.3	3	1	0.2	90	0.1	1.0	4.8	0.040
3481782	Drill Core	0.52	101	0.5	5.591	1.3	6.6	0.035	2.9	1.4	<0.005	<0.1	0.4	1	<1	0.2	67	0.1	<0.5	3.2	0.066
3481783	Drill Core	0.67	74	0.5	5.282	1.2	15.8	0.026	1.4	1.1	<0.005	<0.1	0.3	2	<1	0.2	69	0.1	<0.5	2.6	0.040
3481784	Drill Core	0.42	93	0.5	5.043	1.0	6.6	0.030	1.3	1.3	<0.005	<0.1	0.2	2	<1	0.1	67	0.1	<0.5	3.0	0.034
3481785	Drill Core	2.33	326	1.8	4.750	1.5	7.6	0.055	1.6	2.7	<0.005	<0.1	0.4	26	<1	0.2	93	0.2	1.7	7.0	0.053
3481786	Drill Core	0.69	111	0.3	5.221	0.8	2.6	0.021	1.1	2.4	<0.005	<0.1	0.1	1	<1	<0.1	72	<0.1	<0.5	3.4	0.029
3481787	Drill Core	0.32	80	0.4	5.345	1.0	3.0	0.026	1.2	1.9	<0.005	<0.1	0.2	1	<1	0.2	66	0.1	<0.5	3.1	0.034
3481788	Drill Core	1.79	251	0.2	5.276	1.3	4.1	0.031	1.2	2.2	<0.005	<0.1	0.2	3	1	0.2	86	0.1	<0.5	3.5	0.042
3481789	Drill Core	4.11	517	0.2	4.892	0.7	4.4	0.023	1.4	2.3	<0.005	<0.1	0.4	6	<1	<0.1	115	<0.1	1.6	3.3	0.021
3481790	Drill Core	2.77	378	5.4	5.777	1.5	6.2	0.051	1.9	1.9	<0.005	<0.1	0.3	13	<1	0.2	83	0.2	1.3	8.5	0.063
3481791	Drill Core	1.47	229	2.7	5.469	1.4	3.5	0.040	1.6	1.6	<0.005	<0.1	0.3	8	<1	0.2	74	0.2	<0.5	6.1	0.055
3481792	Drill Core	0.73	111	0.3	5.404	1.0	6.1	0.026	1.3	3.0	<0.005	<0.1	0.2	2	<1	0.2	82	0.1	<0.5	4.0	0.038
3481793	Drill Core	0.28	61	0.5	5.663	1.0	5.1	0.030	1.2	1.7	<0.005	<0.1	0.2	1	<1	0.1	66	<0.1	<0.5	3.4	0.037
3481794	Drill Core	0.82	82	0.4	5.084	0.7	9.1	0.025	1.5	6.4	<0.005	<0.1	0.2	3	<1	0.2	87	<0.1	<0.5	2.8	0.027
3481795	Drill Core	1.56	204	0.2	5.062	1.1	22.5	0.061	3.6	8.0	<0.005	<0.1	0.3	6	<1	0.4	98	<0.1	1.0	4.5	0.046
3481796	Drill Core	1.20	98	0.4	5.128	1.0	18.7	0.036	2.9	15.7	<0.005	<0.1	0.3	4	<1	0.3	90	0.1	<0.5	4.7	0.043
3481797	Drill Core	0.78	114	0.1	5.519	0.8	10.3	0.024	1.1	2.9	<0.005	<0.1	0.2	4	<1	0.3	70	<0.1	<0.5	3.2	0.031
3481798	Rock Pulp	4.07	1254	2.9	2.000	3.3	122.1	0.043	17.8	15.1	<0.005	0.4	0.9	35	<1	0.6	103	0.2	1.8	1.3	0.601

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Project: SPJ
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CERTIFICATE OF ANALYSIS TIM19001956.3

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA530
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3481769	Drill Core	<0.5	0.2	295	0.2	34.6	130	156.1	
3481770	Drill Core	<0.5	2.1	33	0.4	5.1	14	49.4	
3481771	Drill Core	<0.5	1.2	24	0.5	2.5	8	49.3	
3481772	Drill Core	<0.5	1.0	17	0.5	2.9	10	49.1	
3481773	Drill Core	<0.5	1.1	24	0.6	2.9	3	42.0	
3481774	Drill Core	<0.5	2.4	20	0.8	2.1	2	44.8	
3481775	Rock	0.7	<0.1	<1	<0.1	1.1	6	20.7	
3481776	Drill Core	<0.5	4.4	58	1.0	6.9	7	47.8	
3481777	Drill Core	<0.5	1.3	18	0.7	3.0	2	40.9	
3481778	Drill Core	<0.5	1.7	19	0.5	2.2	1	42.1	
3481779	Drill Core	<0.5	4.9	26	0.6	5.6	2	54.4	
3481780	Rock Pulp	<0.5	0.1	325	1.1	23.2	84	52.8	
3481781	Drill Core	<0.5	3.6	44	0.9	11.9	2	49.7	
3481782	Drill Core	<0.5	1.6	22	0.7	3.1	8	66.7	
3481783	Drill Core	<0.5	1.5	26	0.5	2.3	3	56.8	
3481784	Drill Core	<0.5	1.3	15	0.3	2.6	1	57.4	
3481785	Drill Core	<0.5	2.6	31	0.7	11.2	1	73.5	
3481786	Drill Core	<0.5	1.5	19	0.5	4.6	1	37.5	
3481787	Drill Core	<0.5	1.3	15	0.5	2.8	2	61.6	
3481788	Drill Core	<0.5	1.9	43	0.9	9.5	<1	55.2	
3481789	Drill Core	<0.5	1.5	83	0.5	18.8	1	35.1	
3481790	Drill Core	<0.5	3.0	42	1.2	13.8	<1	75.8	
3481791	Drill Core	<0.5	2.1	29	0.9	8.0	3	56.9	
3481792	Drill Core	<0.5	1.6	21	0.5	4.1	<1	42.7	
3481793	Drill Core	<0.5	1.3	15	0.5	2.2	2	52.3	
3481794	Drill Core	<0.5	0.6	23	0.3	3.7	2	48.3	
3481795	Drill Core	<0.5	1.7	34	0.8	9.5	7	73.1	
3481796	Drill Core	<0.5	1.9	31	1.0	6.3	31	65.9	
3481797	Drill Core	<0.5	0.8	21	0.8	4.2	2	56.8	
3481798	Rock Pulp	<0.5	0.3	283	5.8	20.9	89	51.7	

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Bureau Veritas Commodities Canada Ltd.

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 29, 2019

CERTIFICATE OF ANALYSIS TIM19001956.3

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3481799	Drill Core	4.65	<0.005	<0.1	5.90	6	58	3	<0.1	0.96	<0.1	29	1.7	20	8.8	0.49	1.5	<0.05	0.18	14.8	0.6
3481800	Rock	0.20	<0.005	<0.1	8.78	3	53	1	<0.1	0.19	<0.1	2	<0.2	2	2.9	0.42	0.4	<0.05	4.05	0.8	20.3
3481801	Drill Core	5.56	0.006	<0.1	5.79	4	51	2	<0.1	2.23	<0.1	18	1.7	21	5.7	0.71	1.3	<0.05	0.19	9.2	1.2
3481802	Drill Core	3.79	0.030	<0.1	5.69	38	53	1	0.3	1.74	<0.1	54	23.1	33	111.4	1.39	1.6	<0.05	0.24	28.3	3.0
3481803	Drill Core	3.31	0.008	<0.1	7.15	25	66	3	0.1	2.85	<0.1	42	8.5	54	54.8	1.16	2.5	<0.05	0.42	20.8	4.1
3481804	Drill Core	2.95	<0.005	<0.1	6.80	11	65	4	0.2	2.19	<0.1	52	7.7	57	36.1	1.14	2.7	<0.05	0.46	22.7	6.3
3481805	Drill Core	5.47	<0.005	<0.1	5.38	17	72	2	<0.1	1.56	<0.1	34	6.2	30	26.9	0.78	1.5	<0.05	0.29	16.7	3.9
3481806	Drill Core	4.17	<0.005	<0.1	5.49	19	68	2	<0.1	3.55	<0.1	34	7.3	43	18.7	1.05	1.2	<0.05	0.24	18.5	3.7
3481807	Drill Core	4.62	<0.005	<0.1	5.10	15	136	1	<0.1	0.64	<0.1	34	6.2	46	24.0	0.83	2.1	<0.05	0.43	16.9	5.1
3481808	Drill Core	5.51	<0.005	<0.1	4.27	18	72	1	0.2	0.46	<0.1	34	6.9	53	34.5	0.99	2.8	<0.05	0.30	17.3	4.5
3481809	Drill Core	5.42	<0.005	<0.1	4.90	20	65	<1	<0.1	0.63	<0.1	17	6.3	17	17.9	0.63	1.0	<0.05	0.23	8.9	2.8
3481810	Drill Core	5.91	<0.005	<0.1	5.82	24	74	1	<0.1	0.98	<0.1	23	6.1	19	21.2	0.65	1.2	<0.05	0.23	12.5	2.2
3481811	Drill Core	6.08	0.006	<0.1	5.13	28	73	2	<0.1	0.65	<0.1	28	9.0	18	13.7	0.57	1.0	<0.05	0.25	15.3	3.1
3481812	Drill Core	5.88	<0.005	<0.1	5.32	12	68	2	<0.1	1.12	<0.1	20	4.3	16	50.3	0.56	1.1	<0.05	0.20	9.5	1.4

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 29, 2019

CERTIFICATE OF ANALYSIS TIM19001956.3

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3481799	Drill Core	0.78	120	0.5	5.344	0.6	6.3	0.027	1.1	4.0	<0.005	<0.1	0.3	4	<1	0.2	69	<0.1	<0.5	3.4	0.027
3481800	Rock	0.03	56	0.5	7.377	0.6	0.7	0.001	6.0	60.0	<0.005	<0.1	0.2	<1	<1	0.2	60	<0.1	<0.5	0.5	0.002
3481801	Drill Core	1.41	211	0.4	4.861	0.8	7.2	0.032	0.9	4.4	<0.005	<0.1	0.2	6	<1	0.2	74	<0.1	<0.5	3.1	0.026
3481802	Drill Core	1.45	113	0.1	4.548	1.1	125.1	0.204	1.3	4.9	<0.005	0.7	0.2	5	2	0.5	78	0.1	<0.5	6.7	0.044
3481803	Drill Core	2.16	159	0.1	5.439	2.0	57.8	0.063	1.4	17.1	<0.005	0.2	0.2	12	<1	0.7	99	0.2	0.7	7.4	0.094
3481804	Drill Core	1.97	164	0.2	5.538	2.1	33.2	0.067	1.8	14.3	<0.005	0.1	0.2	13	1	0.9	96	0.2	<0.5	7.1	0.096
3481805	Drill Core	1.36	139	<0.1	5.164	0.9	21.3	0.030	1.6	7.3	<0.005	<0.1	0.2	5	<1	0.3	79	<0.1	<0.5	3.6	0.046
3481806	Drill Core	2.28	323	0.1	4.417	0.7	18.8	0.034	1.7	11.3	<0.005	<0.1	0.2	12	<1	0.1	97	<0.1	0.7	3.8	0.031
3481807	Drill Core	1.21	62	0.2	5.519	1.2	25.7	0.036	1.4	6.2	<0.005	<0.1	0.2	6	<1	0.2	67	0.1	<0.5	3.5	0.069
3481808	Drill Core	1.25	53	0.5	4.790	1.0	30.9	0.034	1.9	4.8	<0.005	0.1	0.4	5	<1	0.3	74	0.1	<0.5	4.9	0.051
3481809	Drill Core	0.86	60	0.3	4.899	0.5	14.1	0.023	1.0	1.7	<0.005	<0.1	0.1	3	<1	0.1	71	<0.1	<0.5	1.7	0.024
3481810	Drill Core	0.97	86	0.7	5.062	0.7	16.6	0.022	1.2	6.8	<0.005	<0.1	0.2	4	<1	0.2	94	<0.1	<0.5	2.9	0.029
3481811	Drill Core	0.79	58	0.6	5.022	0.5	23.1	0.022	1.1	2.2	<0.005	<0.1	0.2	3	1	0.2	84	<0.1	<0.5	1.9	0.027
3481812	Drill Core	0.73	99	0.8	4.925	0.5	16.0	0.018	1.3	2.1	<0.005	<0.1	0.3	3	<1	0.1	85	<0.1	<0.5	2.3	0.019

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 29, 2019

CERTIFICATE OF ANALYSIS TIM19001956.3

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA530
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3481799	Drill Core	<0.5	1.6	19	0.6	4.4	2	50.1	
3481800	Rock	0.6	0.3	<1	<0.1	2.2	6	20.5	
3481801	Drill Core	<0.5	1.9	21	0.7	6.3	2	52.6	
3481802	Drill Core	<0.5	2.0	35	1.0	10.8	2	57.9	
3481803	Drill Core	<0.5	2.2	69	1.7	14.7	3	89.1	
3481804	Drill Core	<0.5	2.5	70	1.4	19.0	3	98.5	
3481805	Drill Core	<0.5	0.7	36	0.6	6.7	5	53.3	
3481806	Drill Core	<0.5	1.0	34	0.5	12.6	7	41.8	
3481807	Drill Core	<0.5	0.9	52	0.4	4.6	5	77.7	
3481808	Drill Core	<0.5	1.0	40	0.3	3.7	5	95.4	
3481809	Drill Core	<0.5	0.6	25	0.2	2.1	2	37.2	
3481810	Drill Core	<0.5	0.9	25	0.3	3.5	2	41.9	
3481811	Drill Core	<0.5	0.5	28	0.2	2.3	2	39.4	
3481812	Drill Core	<0.5	0.7	19	0.2	3.1	2	39.3	

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Project: SPJ
Report Date: October 29, 2019

QUALITY CONTROL REPORT TIM19001956.3

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
Pulp Duplicates																					
3481697	Drill Core	4.27	>10	0.2	5.06	38	34	2	1.2	0.19	<0.1	15	49.7	37	224.2	15.43	1.5	0.12	0.09	6.2	9.1
REP 3481697	QC		>10																		
3481700	Drill Core	3.41	0.770	<0.1	6.32	1	27	1	0.1	0.33	<0.1	32	24.5	55	201.6	11.62	1.4	0.12	0.12	14.9	5.5
REP 3481700	QC			<0.1	6.31	1	26	4	<0.1	0.33	<0.1	30	23.4	52	194.2	11.30	1.7	0.14	0.11	14.3	5.7
3481707	Drill Core	5.68	0.006	<0.1	5.70	4	42	<1	0.3	0.86	<0.1	29	2.8	37	11.2	1.19	1.9	<0.05	0.16	14.1	1.4
REP 3481707	QC		0.008																		
3481735	Drill Core	5.81	0.005	<0.1	5.76	5	42	1	<0.1	1.58	<0.1	31	3.2	23	2.3	0.65	1.3	<0.05	0.22	15.2	2.0
REP 3481735	QC			<0.1	5.66	4	43	1	<0.1	1.56	<0.1	31	3.0	25	2.4	0.65	1.3	<0.05	0.22	14.6	2.0
3481764	Drill Core	3.23	<0.005	<0.1	5.30	4	52	1	<0.1	0.69	<0.1	21	1.5	21	3.3	0.65	1.0	<0.05	0.25	9.1	6.0
REP 3481764	QC		<0.005																		
3481770	Drill Core	4.36	0.005	<0.1	5.84	2	84	1	<0.1	0.71	<0.1	35	7.2	22	6.6	1.22	1.4	<0.05	0.32	17.1	4.3
REP 3481770	QC			<0.1	5.69	1	86	1	<0.1	0.69	<0.1	38	7.4	25	6.7	1.28	1.5	<0.05	0.34	17.9	4.0
Core Reject Duplicates																					
3481690	Drill Core	4.09	0.006	<0.1	5.43	6	65	2	<0.1	0.69	<0.1	10	2.5	18	4.8	0.49	1.1	<0.05	0.22	4.7	1.7
DUP 3481690	QC		<0.005	<0.1	5.73	7	65	2	<0.1	0.72	<0.1	11	2.6	19	5.0	0.51	1.0	<0.05	0.22	5.0	1.0
3481724	Drill Core	4.39	0.006	<0.1	6.00	5	49	1	<0.1	3.45	<0.1	35	2.9	30	7.2	1.04	1.2	<0.05	0.23	17.6	2.4
DUP 3481724	QC		0.006	<0.1	6.05	6	50	<1	<0.1	3.40	<0.1	36	3.2	32	6.1	1.02	1.3	<0.05	0.24	18.0	2.1
3481758	Drill Core	5.48	<0.005	<0.1	4.42	3	37	1	<0.1	0.39	<0.1	21	2.4	26	3.6	0.49	1.5	<0.05	0.20	9.0	1.4
DUP 3481758	QC		<0.005	<0.1	5.52	3	40	<1	<0.1	0.42	<0.1	24	2.4	23	2.3	0.46	1.3	<0.05	0.20	10.8	0.8
3481792	Drill Core	3.98	<0.005	<0.1	6.00	4	30	<1	<0.1	1.22	<0.1	44	1.5	18	1.9	0.58	1.3	<0.05	0.14	22.5	1.0
DUP 3481792	QC		<0.005	<0.1	6.13	3	31	1	<0.1	1.23	<0.1	45	1.5	18	2.0	0.58	1.2	<0.05	0.15	23.3	1.4
Reference Materials																					
STD OREAS25A-4A	Standard			<0.1	8.64	10	147	<1	0.3	0.25	<0.1	41	7.5	120	32.8	6.61	4.0	0.06	0.49	18.7	37.8
STD OREAS25A-4A	Standard			<0.1	8.18	9	131	<1	0.4	0.25	<0.1	38	7.1	112	33.1	6.31	3.5	0.08	0.47	17.0	36.9
STD OREAS25A-4A	Standard			<0.1	8.40	10	141	2	0.3	0.25	<0.1	41	7.6	116	35.1	6.34	4.1	0.10	0.46	18.6	38.0
STD OREAS25A-4A	Standard			<0.1	8.63	11	150	1	0.3	0.26	<0.1	43	6.9	110	30.8	6.50	4.2	0.07	0.46	20.1	35.0
STD OREAS25A-4A	Standard			<0.1	8.75	8	132	1	0.3	0.27	<0.1	41	7.3	114	30.9	6.49	3.9	0.11	0.49	18.5	35.6
STD OREAS25A-4A	Standard			<0.1	8.98	9	156	1	0.3	0.27	<0.1	49	8.3	126	36.1	6.63	4.3	0.10	0.49	22.2	37.6

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QUALITY CONTROL REPORT TIM19001956.3

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
Pulp Duplicates																					
3481697	Drill Core	2.63	200	1.4	1.406	2.4	75.9	0.028	5.1	1.4	<0.005	5.4	0.6	6	6	0.3	28	0.3	0.6	2.0	0.095
REP 3481697	QC																				
3481700	Drill Core	2.48	262	0.2	1.777	2.8	22.5	0.027	2.1	3.9	<0.005	0.3	0.3	4	1	0.2	31	0.3	<0.5	3.4	0.104
REP 3481700	QC	2.44	245	<0.1	1.741	2.7	22.8	0.027	2.1	5.4	<0.005	0.3	0.3	4	<1	0.1	30	0.3	<0.5	3.1	0.102
3481707	Drill Core	0.76	103	0.4	5.455	1.3	12.3	0.033	1.1	1.8	<0.005	<0.1	0.1	4	<1	0.1	77	0.1	<0.5	3.9	0.052
REP 3481707	QC																				
3481735	Drill Core	0.94	116	0.4	4.665	0.7	6.9	0.029	2.1	5.1	<0.005	<0.1	0.2	3	<1	0.2	99	<0.1	<0.5	3.6	0.030
REP 3481735	QC	0.92	120	0.4	4.677	0.7	6.8	0.029	2.2	5.0	<0.005	<0.1	0.2	4	<1	0.2	100	<0.1	<0.5	3.7	0.033
3481764	Drill Core	0.58	90	0.7	4.934	0.7	9.9	0.024	2.4	2.8	<0.005	<0.1	0.2	2	<1	0.2	96	<0.1	<0.5	1.9	0.033
REP 3481764	QC																				
3481770	Drill Core	0.58	149	0.5	4.716	1.2	11.5	0.039	5.0	5.1	<0.005	0.1	0.3	3	<1	0.3	125	0.1	<0.5	3.6	0.144
REP 3481770	QC	0.58	156	0.4	4.684	1.2	12.0	0.037	5.6	5.0	<0.005	0.1	0.3	3	<1	0.3	129	0.1	<0.5	3.7	0.149
Core Reject Duplicates																					
3481690	Drill Core	0.50	97	0.3	5.183	0.5	6.8	0.018	0.9	3.0	<0.005	<0.1	0.1	3	<1	<0.1	81	<0.1	<0.5	2.0	0.023
DUP 3481690	QC	0.51	95	0.3	5.082	0.5	6.6	0.020	1.1	3.9	<0.005	<0.1	0.2	3	<1	<0.1	79	<0.1	<0.5	2.1	0.024
3481724	Drill Core	1.98	225	0.9	4.755	1.1	11.9	0.027	0.9	6.6	<0.005	<0.1	0.2	16	<1	0.2	112	0.1	1.1	3.3	0.043
DUP 3481724	QC	1.96	228	1.0	4.841	1.3	12.8	0.025	1.0	6.7	<0.005	<0.1	0.1	15	<1	0.2	113	0.1	<0.5	3.1	0.043
3481758	Drill Core	0.26	59	0.6	5.243	0.9	8.3	0.028	2.6	1.6	<0.005	<0.1	0.2	1	<1	1.5	54	<0.1	<0.5	1.7	0.037
DUP 3481758	QC	0.27	51	0.4	5.426	0.7	6.9	0.025	1.2	3.3	<0.005	<0.1	0.2	1	<1	0.2	68	<0.1	<0.5	2.4	0.029
3481792	Drill Core	0.73	111	0.3	5.404	1.0	6.1	0.026	1.3	3.0	<0.005	<0.1	0.2	2	<1	0.2	82	0.1	<0.5	4.0	0.038
DUP 3481792	QC	0.74	105	0.3	5.563	1.1	6.4	0.027	1.3	3.3	<0.005	<0.1	0.2	2	<1	0.2	84	<0.1	<0.5	3.8	0.041
Reference Materials																					
STD OREAS25A-4A	Standard	0.35	523	2.4	0.138	20.0	46.4	0.049	24.2	54.1	<0.005	<0.1	0.6	12	2	3.7	45	1.4	<0.5	13.7	0.930
STD OREAS25A-4A	Standard	0.34	473	2.2	0.129	18.0	41.7	0.049	21.8	50.0	<0.005	<0.1	0.6	11	3	3.6	41	1.3	<0.5	13.6	0.893
STD OREAS25A-4A	Standard	0.31	453	2.6	0.112	19.7	45.0	0.049	24.1	51.9	<0.005	<0.1	0.6	12	3	3.8	44	1.5	<0.5	15.1	0.951
STD OREAS25A-4A	Standard	0.31	463	2.6	0.122	18.7	43.0	0.047	25.9	54.1	<0.005	<0.1	0.8	12	2	4.1	42	1.3	<0.5	15.5	0.927
STD OREAS25A-4A	Standard	0.33	459	2.1	0.121	18.1	43.6	0.054	22.8	54.6	<0.005	<0.1	0.5	13	3	3.6	41	1.4	<0.5	14.7	0.971
STD OREAS25A-4A	Standard	0.38	531	2.3	0.155	20.8	48.0	0.052	26.5	57.1	<0.005	<0.1	0.7	13	3	4.1	51	1.5	<0.5	16.8	0.934

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Bureau Veritas Commodities Canada Ltd.
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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 29, 2019

QUALITY CONTROL REPORT TIM19001956.3

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA530
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
Pulp Duplicates									
3481697	Drill Core	<0.5	1.2	57	3.5	4.6	13	55.1	
REP 3481697	QC								
3481700	Drill Core	<0.5	1.4	49	2.5	10.1	13	52.0	
REP 3481700	QC	<0.5	1.3	48	2.7	10.6	13	52.1	
3481707	Drill Core	<0.5	1.0	23	1.0	5.1	3	73.1	
REP 3481707	QC								
3481735	Drill Core	<0.5	1.7	30	0.3	5.0	3	46.1	
REP 3481735	QC	<0.5	1.7	30	0.4	5.2	4	49.6	
3481764	Drill Core	<0.5	0.8	15	0.4	2.4	3	38.4	
REP 3481764	QC								
3481770	Drill Core	<0.5	2.1	33	0.4	5.1	14	49.4	
REP 3481770	QC	<0.5	2.2	33	0.4	5.2	17	53.8	
Core Reject Duplicates									
3481690	Drill Core	<0.5	0.6	17	0.4	2.4	<1	36.6	
DUP 3481690	QC	<0.5	0.7	17	0.3	2.5	2	35.7	
3481724	Drill Core	<0.5	1.2	45	0.6	7.9	2	44.2	
DUP 3481724	QC	<0.5	1.2	45	0.6	8.0	2	44.3	
3481758	Drill Core	<0.5	0.8	22	0.6	1.8	2	51.6	
DUP 3481758	QC	<0.5	1.3	22	0.4	2.3	<1	45.2	
3481792	Drill Core	<0.5	1.6	21	0.5	4.1	<1	42.7	
DUP 3481792	QC	<0.5	1.5	21	0.5	4.2	2	43.8	
Reference Materials									
STD OREAS25A-4A	Standard	<0.5	2.7	159	2.0	9.6	45	153.8	
STD OREAS25A-4A	Standard	<0.5	2.6	154	1.7	8.9	36	138.2	
STD OREAS25A-4A	Standard	<0.5	2.7	157	1.8	8.9	47	146.5	
STD OREAS25A-4A	Standard	<0.5	2.8	156	2.0	9.0	50	144.1	
STD OREAS25A-4A	Standard	<0.5	2.6	157	1.7	9.0	41	142.7	
STD OREAS25A-4A	Standard	<0.5	3.2	171	1.8	11.1	43	155.6	

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Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 29, 2019

QUALITY CONTROL REPORT TIM19001956.3

		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
STD OREAS25A-4A	Standard			<0.1	8.28	12	140	<1	0.3	0.24	<0.1	43	7.4	118	32.2	6.28	4.0	0.08	0.45	20.5	35.1
STD OREAS45H	Standard			0.1	8.15	18	328	2	0.2	0.12	<0.1	22	84.5	659	768.5	20.72	3.4	0.10	0.23	11.2	13.2
STD OREAS45E	Standard			0.3	6.79	16	241	<1	0.3	0.06	<0.1	19	54.0	885	777.0	23.68	2.6	0.07	0.35	8.4	6.5
STD OREAS45H	Standard			0.1	8.43	17	339	2	0.2	0.14	<0.1	24	92.8	677	781.1	19.23	3.4	0.12	0.22	13.8	14.8
STD OREAS45E	Standard			0.3	6.63	18	260	<1	0.2	0.06	<0.1	21	57.5	919	745.5	23.60	2.8	0.07	0.34	9.6	8.3
STD OREAS45E	Standard			0.3	6.99	16	259	<1	0.3	0.06	<0.1	26	60.3	957	795.3	25.01	3.0	0.09	0.34	12.0	6.5
STD OREAS45E	Standard			0.3	6.60	17	227	<1	0.3	0.06	<0.1	23	60.8	964	754.8	23.75	3.0	0.10	0.32	11.8	5.4
STD OXC145	Standard		0.202																		
STD OXC145	Standard		0.203																		
STD OXC145	Standard		0.207																		
STD OXC145	Standard		0.211																		
STD OXC145	Standard		0.204																		
STD OXH139	Standard		1.252																		
STD OXH139	Standard		1.248																		
STD OXH139	Standard		1.291																		
STD OXH139	Standard		1.241																		
STD OXH139	Standard		1.301																		
STD OXN134	Standard		7.578																		
STD OXN134	Standard		7.720																		
STD OXN134	Standard		7.681																		
STD OXN134	Standard		7.544																		
STD OXN134	Standard		7.780																		
STD OXP116	Standard																				
STD OXQ90	Standard																				
STD OXQ90	Standard																				
STD OREAS45H Expected				0.147	7.99	16.9	332	1.09	0.17	0.135		23.6	88	602	767	19.52	3.6	0.1	0.205	12.4	13.1
STD OREAS25A-4A Expected					8.87	9.94	147	0.93	0.37	0.301		47.3	7.7	115	33.9	6.6	4.14	0.09	0.482	21.8	36.7
STD OREAS45E Expected				0.311	6.78	16.3	252		0.28	0.065	0.06	23.5	57	979	780	24.12	3.11	0.099	0.324	11	6.58
STD OXC145 Expected			0.212																		

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 29, 2019

QUALITY CONTROL REPORT TIM19001956.3

		MA200 Mg % 0.01	MA200 Mn ppm 1	MA200 Mo ppm 0.1	MA200 Na % 0.001	MA200 Nb ppm 0.1	MA200 Ni ppm 0.1	MA200 P % 0.001	MA200 Pb ppm 0.1	MA200 Rb ppm 0.1	MA200 Re ppm 0.005	MA200 S % 0.1	MA200 Sb ppm 0.1	MA200 Sc ppm 1	MA200 Se ppm 1	MA200 Sn ppm 0.1	MA200 Sr ppm 1	MA200 Ta ppm 0.1	MA200 Te ppm 0.5	MA200 Th ppm 0.1	MA200 Ti % 0.001
STD OREAS25A-4A	Standard	0.33	460	2.2	0.112	18.7	44.3	0.046	23.8	53.9	<0.005	<0.1	0.5	12	2	3.8	42	1.4	<0.5	14.4	0.908
STD OREAS45H	Standard	0.26	393	1.5	0.094	13.5	438.9	0.021	12.5	20.4	<0.005	<0.1	0.6	55	3	1.9	28	0.9	<0.5	7.4	0.846
STD OREAS45E	Standard	0.16	591	2.3	0.059	5.8	464.3	0.031	17.6	18.5	<0.005	<0.1	0.9	85	3	1.2	16	0.5	<0.5	12.1	0.556
STD OREAS45H	Standard	0.24	409	1.5	0.091	14.7	451.2	0.025	12.7	23.8	<0.005	<0.1	0.7	61	2	2.1	30	1.0	<0.5	8.5	0.897
STD OREAS45E	Standard	0.15	549	2.4	0.056	5.9	474.1	0.034	19.5	20.4	<0.005	<0.1	1.3	86	2	1.2	16	0.5	<0.5	13.5	0.534
STD OREAS45E	Standard	0.17	605	2.5	0.062	6.1	460.0	0.034	19.6	22.2	<0.005	<0.1	1.2	94	4	1.3	19	0.6	<0.5	15.0	0.550
STD OREAS45E	Standard	0.16	535	2.2	0.052	6.0	452.7	0.031	17.3	21.4	<0.005	<0.1	1.1	92	3	1.2	16	0.5	<0.5	13.1	0.516
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXH139	Standard																				
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STD OXH139	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXP116	Standard																				
STD OXQ90	Standard																				
STD OXQ90	Standard																				
STD OREAS45H Expected		0.238	380	1.55	0.09	14.8	423	0.023	11.9	22.5			0.63	57	2.02	1.93	27.1	1.08		7.26	0.878
STD OREAS25A-4A Expected		0.327	480	2.41	0.131	20.9	45.8	0.048	25.2	61		0.047	0.65	13.7	2.4	4.06	48.5	1.4		15.8	0.93
STD OREAS45E Expected		0.156	570	2.4	0.059	6.8	454	0.034	18.2	21.2		0.046	1	93	2.97	1.32	15.9	0.54	0.1	12.9	0.559
STD OXC145 Expected																					

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 29, 2019

QUALITY CONTROL REPORT TIM19001956.3

		MA200 Tl ppm 0.5	MA200 U ppm 0.1	MA200 V ppm 1	MA200 W ppm 0.1	MA200 Y ppm 0.1	MA200 Zn ppm 1	MA200 Zr ppm 0.1	FA530 Au gm/t 0.9
STD OREAS25A-4A	Standard	<0.5	2.7	154	1.7	9.1	42	143.2	
STD OREAS45H	Standard	<0.5	1.8	267	0.8	9.1	39	122.1	
STD OREAS45E	Standard	<0.5	2.4	347	0.9	6.9	42	89.8	
STD OREAS45H	Standard	<0.5	1.8	291	0.9	10.7	45	128.4	
STD OREAS45E	Standard	<0.5	2.5	332	1.1	6.9	49	88.9	
STD OREAS45E	Standard	<0.5	2.8	328	1.0	8.8	43	98.2	
STD OREAS45E	Standard	<0.5	2.3	309	1.0	7.8	46	93.3	
STD OXC145	Standard								
STD OXC145	Standard								
STD OXC145	Standard								
STD OXC145	Standard								
STD OXC145	Standard								
STD OXH139	Standard								
STD OXH139	Standard								
STD OXH139	Standard								
STD OXH139	Standard								
STD OXH139	Standard								
STD OXN134	Standard								
STD OXN134	Standard								
STD OXN134	Standard								
STD OXN134	Standard								
STD OXN134	Standard								
STD OXP116	Standard								15.3
STD OXQ90	Standard								25.4
STD OXQ90	Standard								25.2
STD OREAS45H Expected			1.68	263	0.99	10.4	39.7	131	
STD OREAS25A-4A Expected		0.35	2.94	157	2	10.5	44.4	155	
STD OREAS45E Expected		0.15	2.41	322	1.07	8.28	46.7	97	
STD OXC145 Expected									

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QUALITY CONTROL REPORT TIM19001956.3

		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
STD OXN134 Expected			7.667																		
STD OXH139 Expected			1.312																		
STD OXP116 Expected																					
STD OXQ90 Expected																					
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	2	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	1	2	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank																				
Prep Wash																					
ROCK-TIM	Prep Blank		<0.005	<0.1	6.75	5	842	<1	<0.1	1.54	<0.1	24	4.1	4	3.6	2.11	1.9	<0.05	1.72	12.3	4.3
ROCK-TIM	Prep Blank		<0.005	<0.1	6.46	5	881	1	<0.1	1.50	<0.1	25	3.2	2	3.1	2.01	1.7	<0.05	1.79	12.8	2.8

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Project: SPJ
Report Date: October 29, 2019

QUALITY CONTROL REPORT TIM19001956.3

		MA200 Mg % 0.01	MA200 Mn ppm 1	MA200 Mo ppm 0.1	MA200 Na % 0.001	MA200 Nb ppm 0.1	MA200 Ni ppm 0.1	MA200 P % 0.001	MA200 Pb ppm 0.1	MA200 Rb ppm 0.1	MA200 Re ppm 0.005	MA200 S % 0.1	MA200 Sb ppm 0.1	MA200 Sc ppm 1	MA200 Se ppm 1	MA200 Sn ppm 0.1	MA200 Sr ppm 1	MA200 Ta ppm 0.1	MA200 Te ppm 0.5	MA200 Th ppm 0.1	MA200 Ti % 0.001
STD OXN134 Expected																					
STD OXH139 Expected																					
STD OXP116 Expected																					
STD OXQ90 Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<1	<0.1	0.001	<0.1	0.2	<0.001	<0.1	0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.004	<0.1	0.2	<0.001	<0.1	0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.002	<0.1	0.3	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.004	<0.1	0.2	<0.001	0.2	<0.1	<0.005	<0.1	<0.1	<1	2	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.002	<0.1	0.2	<0.001	<0.1	<0.1	0.006	<0.1	<0.1	<1	1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	1	<0.1	0.002	<0.1	0.2	<0.001	<0.1	0.2	<0.005	<0.1	<0.1	<1	2	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.001	<0.1	<0.1	<0.001	0.5	0.2	<0.005	<0.1	0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-TIM	Prep Blank	0.50	630	1.2	3.453	5.5	1.2	0.040	3.0	34.3	<0.005	<0.1	0.3	6	<1	0.7	201	0.4	<0.5	3.1	0.206
ROCK-TIM	Prep Blank	0.47	613	1.3	3.368	5.7	0.8	0.039	3.0	35.5	<0.005	<0.1	0.3	6	1	0.7	211	0.4	<0.5	3.3	0.204

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BUREAU VERITAS
MINERAL LABORATORIES
Canada

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 29, 2019

QUALITY CONTROL REPORT TIM19001956.3

		MA200 Tl ppm 0.5	MA200 U ppm 0.1	MA200 V ppm 1	MA200 W ppm 0.1	MA200 Y ppm 0.1	MA200 Zn ppm 1	MA200 Zr ppm 0.1	FA530 Au gm/t 0.9
STD OXN134 Expected									
STD OXH139 Expected									
STD OXP116 Expected									14.92
STD OXQ90 Expected									24.88
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1	
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1	
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	0.1	
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1	
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1	
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	0.3	
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	4	<0.1	
BLK	Blank								
BLK	Blank								
BLK	Blank								<0.9
Prep Wash									
ROCK-TIM	Prep Blank	<0.5	1.3	33	0.3	15.8	36	52.9	
ROCK-TIM	Prep Blank	<0.5	1.4	32	0.3	15.8	38	53.1	

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By: Quentin Yarie
Receiving Lab: Canada-Timmins
Received: September 04, 2019
Report Date: September 25, 2019

CERTIFICATE OF ANALYSIS TIM19001956M.1

CLIENT JOB INFORMATION

Project: SPJ
Shipment ID:
P.O. Number
Number of Samples: 2

SAMPLE DISPOSAL

RTRN-PLP Return After 90 days
RTRN-RJT Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PUL85	2	Pulverize to 85% passing 200 mesh			TIM
SPTRF	2	Split samples by riffle splitter			TIM
FS652	2	Metallic Sieve 1 kg to 150 mesh - save + and - fraction			TIM
FS652	2	Metallic Fire Assay - duplicate minus fraction analysis	50	Completed	TIM
EN002	2	Environmental disposal charge-Fire assay lead waste			TIM
FA550	1	Lead collection fire assay 50G fusion - Grav finish	50	Completed	TIM
FA550	1	Lead collection fire assay 50G fusion - Grav finish	50	Completed	TIM

ADDITIONAL COMMENTS

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
Marcus Lau
MARCUS LAU
Production Manager

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All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

BUREAU VERITAS
MINERAL LABORATORIES
Canada

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: September 25, 2019

CERTIFICATE OF ANALYSIS TIM19001956M.1

	Method	M150 1kg	FA450	FA450	FS652	FS652	FS652	FA550	FA550
	Analyte	TotWt	-Au	-Au + Au Wt		+ Au	Au Total	-Au	-Au
	Unit	g	gm/t	gm/t	g	gm/t	gm/t	gm/t	gm/t
	MDL	1	0.005	0.005	0.01	0.05	0.05	0.9	0.9
3481697	Drill Core	1080	>10	>10	32.19	49.64	18.46	17.7	17.3
3481703	Drill Core	1090	>10	>10	31.03	70.32	38.83	38.62	37.21

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: September 25, 2019

QUALITY CONTROL REPORT TIM19001956M.1

	Method	M150 1kg	FA450	FA450	FS652	FS652	FS652	FA550	FA550
	Analyte	TotWt	-Au	-Au	+ Au Wt	+ Au	Au Total	-Au	-Au
	Unit	g	gm/t	gm/t	g	gm/t	gm/t	gm/t	gm/t
	MDL	1	0.005	0.005	0.01	0.05	0.05	0.9	0.9
Pulp Duplicates									
3481697	Drill Core	1080	>10	>10	32.19	49.64	18.46	17.7	17.3
REP 3481697	QC								8.3
Reference Materials									
STD OXC145	Standard		0.212						
STD OXC145	Standard			0.219					
STD OXH139	Standard		1.329						
STD OXH139	Standard			1.310					
STD OXN134	Standard			7.417					
STD OXP116	Standard							15.2	
STD OXP116	Standard								15.2
STD OXP116	Standard								15.0
STD OXQ90	Standard				30.00	25.10			
STD OXQ90	Standard							25.1	
STD OXQ90	Standard							25.2	
STD OXQ90	Standard								25.1
STD OXQ90	Standard								25.2
STD OXQ90	Standard								25.1
STD OXQ90	Standard								25.1
STD OXQ90 Expected						24.88			
BLK	Blank		<0.005						
BLK	Blank		<0.005						
BLK	Blank				50.00	<0.05			
BLK	Blank							<0.9	
BLK	Blank								<0.9
BLK	Blank			0.005					
BLK	Blank			<0.005					
BLK	Blank								<0.9
Prep Wash									

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: September 25, 2019

QUALITY CONTROL REPORT TIM19001956M.1

		M150 1kg TotWt g 1	FA450 -Au gm/t 0.005	FA450 -Au gm/t 0.005	FS652 + Au Wt g 0.01	FS652 + Au gm/t 0.05	FS652 Au Total gm/t 0.05	FA550 -Au gm/t 0.9	FA550 -Au gm/t 0.9
ROCK-TIM	Prep Blank	920	0.008	0.014	26.00	<0.05	<0.05		

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By: Quentin Yarie
Receiving Lab: Canada-Timmins
Received: September 10, 2019
Report Date: October 29, 2019

CERTIFICATE OF ANALYSIS TIM19002036.3

CLIENT JOB INFORMATION

Project: SPJ
Shipment ID:
P.O. Number
Number of Samples: 114

SAMPLE DISPOSAL

RTRN-PLP Return After 90 days
RTRN-RJT Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP85-500	108	Crush split and pulverize 250g of sample to 200mesh			TIM
SLBHP	6	Sort, label and box pulps			TIM
SHP01	114	Per sample shipping charges for branch shipments			TIM
FA450	114	50g Lead Collection Fire Assay Fusion - AAS Finish	50	Completed	TIM
EN002	114	Environmental disposal charge-Fire assay lead waste			TIM
MA200	114	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
EN001-MA	114	Environmental disposal fee - Multi-acid neutralization			VAN
FA530	1	Lead collection fire assay fusion - gravimetric finish	30	Completed	TIM

ADDITIONAL COMMENTS

Version 2 - Elements set to re-order alphabetically
Version 3 - Client wishes a grav run on sample 3481860

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC:

MAY LAI
Data Validation Specialist

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 29, 2019

CERTIFICATE OF ANALYSIS TIM19002036.3

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3481813	Drill Core	5.69	<0.005	<0.1	5.81	3	53	<1	<0.1	1.63	<0.1	20	1.7	12	6.7	0.59	1.0	<0.05	0.13	10.3	1.0
3481814	Drill Core	5.49	0.005	<0.1	6.07	10	68	1	<0.1	1.03	<0.1	30	3.4	16	13.0	0.53	1.3	<0.05	0.16	15.4	1.4
3481815	Drill Core	5.55	<0.005	<0.1	6.19	5	59	<1	<0.1	1.84	<0.1	23	2.2	19	6.6	0.68	1.0	<0.05	0.15	12.0	0.9
3481816	Drill Core	5.61	<0.005	<0.1	6.28	17	67	1	<0.1	0.75	<0.1	21	5.2	19	11.2	0.66	1.4	<0.05	0.16	11.3	3.0
3481817	Drill Core	5.50	<0.005	<0.1	5.94	24	88	1	<0.1	1.00	<0.1	24	9.9	27	14.6	0.70	1.8	<0.05	0.23	12.3	2.8
3481818	Drill Core	3.51	<0.005	<0.1	6.30	4	69	2	<0.1	1.14	<0.1	94	1.9	19	10.3	0.83	1.3	<0.05	0.17	51.7	2.2
3481819	Drill Core	4.95	<0.005	<0.1	6.12	13	55	1	<0.1	1.75	<0.1	36	7.7	21	16.6	0.72	1.5	<0.05	0.16	16.8	1.6
3481820	Rock Pulp	0.07	1.503	0.2	7.11	828	336	1	<0.1	5.60	<0.1	36	40.4	182	79.6	8.23	3.2	0.10	0.65	19.8	9.3
3481821	Drill Core	6.08	<0.005	<0.1	6.26	22	45	2	<0.1	2.92	<0.1	54	11.0	34	26.6	1.04	1.7	<0.05	0.20	26.0	3.4
3481822	Drill Core	4.38	<0.005	<0.1	6.20	9	46	1	<0.1	1.72	<0.1	27	4.2	25	12.1	0.72	1.4	<0.05	0.15	13.0	1.9
3481823	Drill Core	4.40	<0.005	<0.1	6.36	16	40	2	<0.1	1.51	<0.1	24	4.9	19	5.7	0.59	1.3	<0.05	0.13	11.9	1.3
3481824	Drill Core	4.73	0.016	<0.1	5.81	4	32	2	<0.1	0.94	<0.1	44	2.6	24	13.9	0.74	1.8	<0.05	0.11	21.9	1.8
3481825	Rock	0.20	<0.005	<0.1	9.40	<1	50	<1	<0.1	0.21	<0.1	2	<0.2	4	1.6	0.35	0.4	<0.05	3.84	0.8	25.6
3481826	Drill Core	4.95	<0.005	<0.1	6.34	7	48	1	<0.1	1.21	<0.1	16	3.2	32	7.1	0.83	1.5	<0.05	0.15	8.0	2.3
3481827	Drill Core	4.18	0.007	<0.1	6.38	71	57	<1	0.2	1.40	<0.1	22	24.8	28	56.5	0.81	1.7	<0.05	0.19	11.3	1.6
3481828	Drill Core	4.33	<0.005	<0.1	6.05	34	51	1	<0.1	1.57	<0.1	35	11.1	22	13.1	0.64	1.4	<0.05	0.21	17.5	1.9
3481829	Drill Core	4.60	<0.005	<0.1	7.40	23	64	2	<0.1	2.06	<0.1	31	10.2	51	13.8	1.07	2.3	<0.05	0.29	12.8	3.7
3481830	Drill Core	4.06	<0.005	<0.1	6.75	33	49	2	<0.1	1.64	<0.1	25	12.8	30	32.4	0.87	1.8	<0.05	0.19	11.9	2.8
3481831	Drill Core	5.42	<0.005	<0.1	6.28	21	41	1	<0.1	1.60	<0.1	32	4.1	23	51.0	0.71	1.4	<0.05	0.13	16.3	1.3
3481832	Drill Core	2.29	0.022	<0.1	6.58	330	56	3	0.6	1.92	<0.1	56	85.3	48	227.4	1.85	2.2	<0.05	0.25	26.0	3.8
3481833	Drill Core	5.29	<0.005	<0.1	6.01	11	63	2	<0.1	1.16	<0.1	33	6.8	23	13.8	0.68	1.5	<0.05	0.29	14.1	3.5
3481834	Drill Core	4.39	<0.005	<0.1	5.85	11	91	<1	<0.1	0.68	<0.1	11	5.9	28	9.3	0.77	1.9	<0.05	0.37	5.1	5.0
3481835	Drill Core	4.46	<0.005	<0.1	5.45	6	79	1	0.3	0.47	<0.1	13	3.3	21	5.3	0.67	1.5	<0.05	0.33	5.9	4.1
3481836	Drill Core	5.64	<0.005	<0.1	5.11	8	74	1	0.2	0.51	<0.1	34	3.3	19	5.5	0.71	1.4	<0.05	0.34	16.1	4.1
3481837	Drill Core	4.60	<0.005	<0.1	6.07	12	105	2	0.2	0.40	<0.1	31	5.7	41	22.1	0.90	2.7	<0.05	0.44	14.6	6.2
3481838	Drill Core	4.17	<0.005	<0.1	4.85	16	66	2	<0.1	0.72	<0.1	14	6.1	38	15.1	0.77	2.1	<0.05	0.35	6.6	4.5
3481839	Drill Core	5.56	<0.005	<0.1	4.76	10	84	<1	<0.1	0.50	<0.1	25	3.0	27	8.6	0.64	1.4	<0.05	0.33	11.7	4.5
3481840	Rock Pulp	0.07	0.537	0.2	7.43	4	151	<1	<0.1	7.37	<0.1	9	51.5	175	156.9	8.41	1.8	0.07	0.20	4.1	11.2
3481841	Drill Core	6.33	<0.005	<0.1	4.56	20	87	1	<0.1	0.47	<0.1	13	5.0	21	12.7	0.54	1.1	<0.05	0.39	6.3	4.1
3481842	Drill Core	6.04	<0.005	<0.1	4.79	12	131	1	<0.1	0.25	<0.1	21	3.6	22	4.8	0.55	1.2	<0.05	0.45	9.9	6.0

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 29, 2019

CERTIFICATE OF ANALYSIS TIM19002036.3

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3481813	Drill Core	0.85	189	0.6	4.817	0.3	4.1	0.033	1.5	3.2	<0.005	<0.1	0.2	4	<1	<0.1	79	<0.1	<0.5	2.8	0.013
3481814	Drill Core	0.61	111	0.5	4.961	0.5	8.4	0.033	1.7	5.5	<0.005	<0.1	0.2	3	2	<0.1	88	<0.1	<0.5	4.2	0.021
3481815	Drill Core	0.98	201	0.8	5.056	0.5	5.4	0.025	2.0	4.8	<0.005	<0.1	0.2	5	<1	<0.1	93	<0.1	<0.5	3.3	0.018
3481816	Drill Core	0.81	83	0.5	5.556	0.5	15.5	0.025	1.8	2.5	<0.005	<0.1	0.2	4	<1	0.2	102	<0.1	<0.5	3.2	0.027
3481817	Drill Core	0.88	99	0.5	4.846	0.7	23.1	0.032	3.7	8.4	<0.005	<0.1	0.2	4	<1	0.1	105	<0.1	<0.5	4.2	0.029
3481818	Drill Core	0.90	170	0.3	5.004	0.5	8.0	0.043	2.6	5.5	<0.005	<0.1	0.2	4	<1	<0.1	87	<0.1	<0.5	4.9	0.019
3481819	Drill Core	1.04	145	0.2	4.985	0.6	16.6	0.051	3.8	5.3	<0.005	0.1	0.3	4	<1	0.2	99	<0.1	<0.5	4.3	0.025
3481820	Rock Pulp	3.84	1980	2.4	2.052	17.7	133.8	0.167	4.8	20.5	<0.005	0.7	2.4	18	1	1.6	355	1.1	<0.5	3.2	0.954
3481821	Drill Core	1.82	187	0.3	4.817	1.1	28.8	0.126	10.1	7.7	<0.005	0.1	0.2	5	1	0.4	104	0.1	0.5	5.7	0.047
3481822	Drill Core	1.10	172	0.2	5.070	0.9	9.9	0.052	4.2	2.8	<0.005	<0.1	0.2	5	1	0.2	74	<0.1	<0.5	3.6	0.036
3481823	Drill Core	0.92	135	0.1	5.313	0.6	14.1	0.046	1.9	3.0	<0.005	<0.1	0.2	3	<1	<0.1	82	<0.1	<0.5	3.1	0.025
3481824	Drill Core	0.72	132	0.3	5.252	0.6	7.2	0.123	14.6	1.1	<0.005	<0.1	0.2	3	2	0.1	54	<0.1	<0.5	4.8	0.023
3481825	Rock	0.03	52	0.6	7.073	<0.1	0.4	<0.001	5.6	57.2	<0.005	<0.1	0.2	<1	<1	<0.1	66	<0.1	<0.5	0.3	0.001
3481826	Drill Core	1.12	166	0.4	5.215	0.7	8.3	0.023	4.5	4.2	<0.005	<0.1	0.2	5	1	<0.1	81	<0.1	<0.5	4.1	0.028
3481827	Drill Core	1.06	120	0.3	5.267	0.8	43.9	0.056	4.2	7.8	<0.005	0.1	0.1	5	<1	0.2	92	<0.1	<0.5	3.9	0.037
3481828	Drill Core	1.14	126	0.1	5.126	0.7	19.8	0.029	2.1	7.0	<0.005	<0.1	0.1	5	<1	0.1	88	<0.1	<0.5	3.9	0.031
3481829	Drill Core	1.90	155	0.3	6.146	1.7	20.1	0.053	4.2	10.1	<0.005	<0.1	0.1	13	<1	0.3	102	0.1	0.7	6.6	0.083
3481830	Drill Core	1.33	161	0.3	5.650	1.2	24.6	0.045	4.2	4.5	<0.005	<0.1	0.1	6	<1	0.2	94	<0.1	0.5	4.9	0.053
3481831	Drill Core	0.93	155	0.2	5.343	0.6	14.7	0.044	1.6	2.2	<0.005	<0.1	0.1	5	<1	0.2	75	<0.1	<0.5	3.8	0.026
3481832	Drill Core	1.52	144	0.2	5.528	1.4	270.7	0.133	2.9	6.0	<0.005	1.2	1.3	7	3	0.3	104	0.1	0.5	7.5	0.051
3481833	Drill Core	1.11	103	0.2	4.653	0.9	18.3	0.025	1.6	8.5	<0.005	<0.1	0.1	4	<1	0.3	108	<0.1	<0.5	3.4	0.038
3481834	Drill Core	1.26	72	0.4	5.068	0.7	20.2	0.028	1.5	7.5	<0.005	<0.1	0.1	5	<1	0.1	111	<0.1	<0.5	2.9	0.038
3481835	Drill Core	1.15	51	0.3	4.725	1.1	13.9	0.025	1.3	8.7	<0.005	<0.1	0.1	4	<1	0.2	91	0.1	<0.5	3.0	0.048
3481836	Drill Core	1.09	57	0.5	4.747	0.7	15.1	0.023	1.5	6.3	<0.005	<0.1	0.1	4	<1	0.1	92	<0.1	<0.5	2.6	0.037
3481837	Drill Core	1.39	46	0.5	5.624	2.5	21.7	0.042	1.7	7.3	<0.005	<0.1	0.1	8	<1	0.3	85	0.2	<0.5	5.0	0.101
3481838	Drill Core	1.34	70	0.4	5.114	1.1	19.6	0.033	1.3	4.2	<0.005	<0.1	0.2	4	<1	<0.1	78	0.1	<0.5	3.8	0.046
3481839	Drill Core	1.06	53	0.2	5.074	0.9	14.7	0.026	1.2	5.2	<0.005	<0.1	0.2	4	<1	0.1	87	<0.1	<0.5	2.3	0.041
3481840	Rock Pulp	4.25	1497	0.7	2.267	3.6	96.1	0.043	3.1	3.8	<0.005	0.1	0.4	45	<1	0.5	113	0.2	0.9	0.4	0.685
3481841	Drill Core	0.95	56	0.2	5.075	0.7	15.1	0.019	0.9	4.2	<0.005	<0.1	0.1	3	<1	<0.1	75	<0.1	<0.5	1.8	0.032
3481842	Drill Core	0.93	39	0.8	5.249	0.7	11.5	0.025	1.3	7.6	<0.005	<0.1	0.1	4	<1	0.2	98	<0.1	<0.5	2.5	0.035

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 29, 2019

CERTIFICATE OF ANALYSIS TIM19002036.3

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA530
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3481813	Drill Core	<0.5	1.8	13	0.4	4.7	2	37.1	
3481814	Drill Core	<0.5	3.1	16	0.6	4.4	2	46.2	
3481815	Drill Core	<0.5	1.9	19	0.4	5.6	1	41.2	
3481816	Drill Core	<0.5	1.3	25	0.5	3.1	4	50.9	
3481817	Drill Core	<0.5	1.9	28	0.7	4.0	5	62.3	
3481818	Drill Core	<0.5	1.9	27	0.8	5.5	4	46.1	
3481819	Drill Core	<0.5	2.3	21	0.7	6.1	2	53.0	
3481820	Rock Pulp	<0.5	0.9	159	1.1	19.9	111	118.9	
3481821	Drill Core	<0.5	2.9	36	1.3	12.8	5	62.6	
3481822	Drill Core	<0.5	2.4	26	1.0	7.1	4	47.8	
3481823	Drill Core	<0.5	2.0	16	1.6	5.9	2	44.1	
3481824	Drill Core	<0.5	11.2	23	0.9	8.2	5	60.1	
3481825	Rock	0.6	0.2	<1	<0.1	2.2	6	18.9	
3481826	Drill Core	<0.5	3.8	26	0.8	7.1	4	59.6	
3481827	Drill Core	<0.5	3.4	28	1.4	5.9	3	54.8	
3481828	Drill Core	<0.5	1.7	23	1.2	5.7	1	51.7	
3481829	Drill Core	<0.5	2.5	72	2.0	12.2	4	88.4	
3481830	Drill Core	<0.5	3.2	42	1.3	9.9	71	67.1	
3481831	Drill Core	<0.5	2.8	18	1.0	6.7	3	48.2	
3481832	Drill Core	<0.5	3.0	43	1.0	14.6	4	77.2	
3481833	Drill Core	<0.5	1.4	25	0.4	7.2	2	51.0	
3481834	Drill Core	<0.5	0.8	31	0.2	4.2	3	57.5	
3481835	Drill Core	<0.5	0.6	29	0.3	3.1	3	50.0	
3481836	Drill Core	<0.5	0.5	26	0.1	3.3	3	43.9	
3481837	Drill Core	<0.5	1.2	58	0.9	5.9	3	93.2	
3481838	Drill Core	<0.5	0.9	31	0.5	4.0	3	78.0	
3481839	Drill Core	<0.5	0.5	28	0.2	2.9	2	49.0	
3481840	Rock Pulp	<0.5	0.1	327	1.1	21.0	88	52.0	
3481841	Drill Core	<0.5	0.3	23	0.2	2.7	1	44.8	
3481842	Drill Core	<0.5	0.7	26	0.1	3.7	2	45.1	

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 29, 2019

CERTIFICATE OF ANALYSIS TIM19002036.3

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3481843	Drill Core	4.90	<0.005	<0.1	5.35	14	91	1	<0.1	0.55	<0.1	38	2.6	17	15.6	0.51	1.4	<0.05	0.32	17.7	3.4
3481844	Drill Core	5.44	<0.005	<0.1	6.17	31	100	2	<0.1	0.80	<0.1	28	5.3	38	14.6	0.65	2.8	<0.05	0.41	12.5	5.1
3481845	Drill Core	4.65	<0.005	<0.1	5.69	18	86	2	<0.1	0.57	<0.1	21	6.3	34	15.8	0.84	2.3	<0.05	0.33	9.0	5.6
3481846	Drill Core	5.18	<0.005	<0.1	5.94	23	82	2	<0.1	0.64	<0.1	23	6.4	35	18.3	0.78	2.1	<0.05	0.31	10.6	5.6
3481847	Drill Core	5.37	0.009	<0.1	6.31	18	93	2	<0.1	0.77	<0.1	46	5.8	43	18.8	0.87	2.8	<0.05	0.36	21.5	5.0
3481848	Drill Core	7.07	<0.005	<0.1	6.14	18	77	2	<0.1	0.92	<0.1	45	5.1	27	16.8	0.79	2.0	<0.05	0.33	21.1	5.4
3481849	Drill Core	5.42	0.010	<0.1	6.34	34	55	3	<0.1	1.32	<0.1	24	14.5	44	13.9	0.95	2.5	<0.05	0.26	11.3	5.6
3481850	Rock	0.20	<0.005	<0.1	9.06	<1	44	<1	<0.1	0.20	<0.1	1	<0.2	1	1.2	0.36	0.4	<0.05	3.96	0.4	24.6
3481851	Drill Core	5.09	0.006	<0.1	6.18	17	85	2	<0.1	1.02	<0.1	30	7.5	32	12.7	0.74	1.7	<0.05	0.31	11.9	3.5
3481852	Drill Core	5.02	3.025	<0.1	6.35	43	66	2	<0.1	1.24	0.1	22	26.7	35	46.4	1.21	1.8	<0.05	0.28	9.6	5.1
3481853	Drill Core	4.20	0.009	<0.1	6.44	6	64	2	<0.1	0.94	<0.1	30	5.5	37	22.2	1.00	2.4	<0.05	0.24	14.5	5.3
3481854	Drill Core	4.45	0.008	<0.1	6.54	18	52	3	<0.1	1.89	<0.1	28	9.9	32	33.2	0.85	1.5	<0.05	0.19	13.9	3.3
3481855	Drill Core	4.50	<0.005	<0.1	6.11	5	37	3	<0.1	1.23	<0.1	40	3.5	30	5.1	0.51	2.0	<0.05	0.13	20.0	1.1
3481856	Drill Core	4.88	0.005	<0.1	6.27	26	39	2	<0.1	2.29	<0.1	95	4.3	24	5.8	0.74	1.2	<0.05	0.14	50.2	2.0
3481857	Drill Core	4.95	0.319	<0.1	6.25	12	36	3	<0.1	1.91	<0.1	77	9.8	27	3.7	0.99	2.1	<0.05	0.13	39.9	3.7
3481858	Drill Core	5.30	<0.005	<0.1	6.12	10	32	2	<0.1	2.27	<0.1	64	5.6	24	3.5	0.72	1.7	<0.05	0.09	34.2	0.9
3481859	Drill Core	3.86	0.649	<0.1	5.87	3	28	2	<0.1	0.98	<0.1	51	3.1	35	7.5	1.88	1.8	<0.05	0.09	24.8	3.6
3481860	Rock Pulp	0.07	>10	2.0	5.48	60	243	<1	0.6	4.04	0.3	12	34.6	496	123.2	4.72	1.4	<0.05	0.73	6.4	30.4
3481861	Drill Core	2.66	1.412	<0.1	6.62	4	18	2	<0.1	0.23	<0.1	86	28.7	59	193.7	7.70	1.9	0.11	0.07	44.3	5.2
3481862	Rock	0.21	<0.005	<0.1	9.53	2	51	<1	<0.1	0.22	<0.1	2	0.2	1	1.2	0.36	0.4	<0.05	2.99	0.8	26.4
3481863	Drill Core	4.52	0.032	<0.1	6.80	2	19	1	<0.1	0.22	<0.1	42	16.6	56	5.9	9.44	2.1	0.07	0.07	19.8	7.6
3481864	Drill Core	3.31	<0.005	<0.1	6.59	2	31	<1	<0.1	0.19	<0.1	39	11.2	44	3.0	6.76	1.4	<0.05	0.11	18.4	19.6
3481865	Drill Core	4.37	0.008	<0.1	6.34	5	50	1	<0.1	0.25	<0.1	62	13.1	60	55.3	5.07	2.1	0.07	0.19	31.4	16.9
3481866	Drill Core	5.09	<0.005	<0.1	6.53	15	50	3	<0.1	1.50	<0.1	43	13.9	25	16.7	0.88	1.8	<0.05	0.43	22.6	6.5
3481867	Drill Core	4.37	0.020	<0.1	6.33	10	59	2	<0.1	1.05	<0.1	28	9.0	28	13.1	1.10	1.6	<0.05	0.61	14.3	10.8
3481868	Drill Core	6.79	<0.005	<0.1	7.95	2	431	1	<0.1	5.09	0.1	49	57.4	41	49.6	9.62	3.8	0.08	1.02	23.9	26.3
3481869	Drill Core	6.03	<0.005	<0.1	8.02	2	453	<1	<0.1	5.68	<0.1	40	57.6	43	44.8	10.51	3.9	0.08	0.93	16.6	13.6
3481870	Drill Core	6.48	<0.005	<0.1	8.36	1	417	1	<0.1	5.48	<0.1	39	61.0	49	44.0	10.30	3.9	0.11	0.88	17.1	15.2
3481871	Drill Core	5.90	<0.005	<0.1	8.45	2	413	<1	<0.1	5.72	<0.1	35	61.3	47	41.9	10.30	3.3	0.09	0.85	15.4	17.3
3481872	Drill Core	5.41	<0.005	<0.1	8.30	<1	414	1	<0.1	5.38	<0.1	38	59.5	45	44.2	10.02	3.7	0.12	0.81	16.5	22.5

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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3481843	Drill Core	0.81	54	0.3	5.058	0.7	12.2	0.024	1.4	4.6	<0.005	<0.1	0.2	3	<1	<0.1	97	<0.1	<0.5	2.9	0.034
3481844	Drill Core	1.27	74	0.4	5.025	1.7	24.8	0.036	1.4	7.4	<0.005	<0.1	0.2	6	<1	<0.1	118	0.2	<0.5	5.1	0.077
3481845	Drill Core	1.43	49	0.4	5.118	1.1	22.7	0.037	1.5	5.0	<0.005	0.1	0.1	6	<1	<0.1	108	0.1	<0.5	4.2	0.050
3481846	Drill Core	1.37	52	0.5	5.051	1.2	23.7	0.039	1.5	5.8	<0.005	<0.1	0.1	6	<1	<0.1	107	0.1	<0.5	3.9	0.050
3481847	Drill Core	1.48	71	0.4	4.923	1.4	26.9	0.049	1.7	10.2	<0.005	0.1	0.2	8	<1	<0.1	131	0.2	<0.5	6.2	0.057
3481848	Drill Core	1.44	81	0.4	4.868	1.1	25.5	0.044	1.5	10.9	<0.005	<0.1	0.1	6	<1	<0.1	116	0.1	<0.5	5.5	0.047
3481849	Drill Core	1.51	187	0.6	5.342	1.6	31.9	0.039	1.6	4.6	<0.005	<0.1	0.1	7	<1	0.1	94	0.2	<0.5	5.0	0.073
3481850	Rock	0.03	47	0.3	7.305	0.1	0.5	<0.001	4.9	48.3	<0.005	<0.1	0.1	<1	<1	<0.1	54	<0.1	<0.5	0.3	0.001
3481851	Drill Core	1.16	129	0.3	5.264	1.5	17.0	0.028	1.9	7.3	<0.005	<0.1	0.1	6	<1	0.4	116	0.2	<0.5	3.7	0.068
3481852	Drill Core	1.27	175	0.7	5.274	1.4	31.5	0.028	3.6	6.0	<0.005	0.3	0.4	6	1	0.1	94	0.1	<0.5	4.6	0.056
3481853	Drill Core	1.19	190	0.5	5.352	1.3	14.6	0.039	1.5	2.9	<0.005	<0.1	0.1	7	<1	<0.1	85	0.1	<0.5	5.4	0.059
3481854	Drill Core	1.38	238	0.3	4.980	1.3	16.3	0.027	1.5	3.2	<0.005	<0.1	0.1	8	<1	0.1	85	0.1	<0.5	4.8	0.048
3481855	Drill Core	0.77	141	0.5	5.767	1.1	5.6	0.045	1.2	0.7	<0.005	<0.1	<0.1	4	<1	<0.1	58	<0.1	<0.5	3.4	0.043
3481856	Drill Core	1.35	231	0.2	4.998	0.7	23.7	0.037	1.2	2.2	<0.005	<0.1	0.2	10	<1	0.1	77	<0.1	<0.5	4.1	0.032
3481857	Drill Core	1.23	268	0.2	5.188	1.3	8.8	0.061	1.0	1.4	<0.005	<0.1	0.2	6	<1	0.2	73	0.1	<0.5	5.2	0.045
3481858	Drill Core	1.20	262	0.3	4.857	0.9	5.8	0.058	0.8	1.0	<0.005	<0.1	0.1	7	<1	0.1	76	<0.1	0.6	4.1	0.036
3481859	Drill Core	0.91	277	0.2	4.541	2.0	4.0	0.035	1.1	0.7	<0.005	<0.1	0.1	5	<1	<0.1	52	0.2	<0.5	4.5	0.079
3481860	Rock Pulp	4.35	786	6.3	1.289	2.0	242.5	0.029	40.3	30.4	<0.005	0.9	0.8	20	2	0.5	93	0.1	2.0	2.0	0.257
3481861	Drill Core	1.60	200	0.9	3.342	2.7	98.1	0.056	8.4	0.9	<0.005	0.6	0.3	7	1	0.2	32	0.3	<0.5	6.0	0.111
3481862	Rock	0.03	48	0.3	7.182	<0.1	0.5	0.001	5.4	42.3	<0.005	<0.1	0.2	<1	<1	<0.1	62	<0.1	<0.5	0.3	0.002
3481863	Drill Core	2.07	237	0.5	2.789	3.2	33.2	0.041	1.3	0.6	<0.005	<0.1	0.2	9	<1	<0.1	27	0.3	<0.5	4.8	0.136
3481864	Drill Core	1.46	153	0.2	3.284	3.2	17.9	0.066	1.3	2.9	<0.005	<0.1	0.1	7	<1	<0.1	38	0.3	<0.5	5.2	0.120
3481865	Drill Core	1.30	128	0.3	3.704	4.0	17.0	0.066	1.3	3.3	<0.005	<0.1	0.2	6	<1	0.1	54	0.4	<0.5	5.2	0.145
3481866	Drill Core	1.16	220	0.6	5.106	1.6	13.2	0.041	2.4	2.8	<0.005	<0.1	0.3	6	<1	0.3	75	0.2	0.6	4.6	0.062
3481867	Drill Core	1.54	119	0.4	4.775	1.3	15.1	0.061	1.9	3.6	<0.005	<0.1	0.2	6	<1	0.2	74	0.1	<0.5	5.8	0.061
3481868	Drill Core	4.02	1276	0.7	2.105	8.3	77.8	0.225	7.3	36.5	<0.005	0.1	0.2	25	<1	1.0	417	0.4	0.8	0.7	1.735
3481869	Drill Core	3.79	1543	0.6	2.171	8.4	79.1	0.237	3.3	26.3	<0.005	<0.1	<0.1	25	<1	1.2	420	0.5	0.7	0.7	1.830
3481870	Drill Core	3.71	1557	0.7	2.077	8.3	78.9	0.240	4.1	25.9	<0.005	<0.1	0.2	25	1	1.4	399	0.5	1.4	1.2	1.830
3481871	Drill Core	3.83	1606	0.6	2.117	7.8	85.3	0.220	4.2	17.6	<0.005	<0.1	<0.1	23	1	1.4	450	0.4	<0.5	0.7	1.728
3481872	Drill Core	3.82	1555	0.7	2.155	8.2	81.4	0.224	4.5	27.3	<0.005	<0.1	<0.1	24	<1	1.3	472	0.5	<0.5	0.7	1.714

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 29, 2019

CERTIFICATE OF ANALYSIS TIM19002036.3

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA530
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3481843	Drill Core	<0.5	0.7	22	0.3	3.4	2	50.8	
3481844	Drill Core	<0.5	1.3	42	0.6	5.4	2	100.1	
3481845	Drill Core	<0.5	0.8	45	0.1	4.3	2	81.8	
3481846	Drill Core	<0.5	0.8	40	<0.1	4.0	2	75.3	
3481847	Drill Core	<0.5	1.2	42	0.2	5.9	3	103.5	
3481848	Drill Core	<0.5	1.2	36	0.3	7.4	3	70.1	
3481849	Drill Core	<0.5	1.5	46	1.2	7.5	3	89.0	
3481850	Rock	0.6	0.2	<1	<0.1	1.6	5	20.5	
3481851	Drill Core	<0.5	1.3	36	1.0	6.3	3	62.0	
3481852	Drill Core	<0.5	2.0	32	1.3	6.4	46	67.9	
3481853	Drill Core	<0.5	1.7	39	1.2	9.2	2	88.6	
3481854	Drill Core	<0.5	1.9	30	1.9	10.6	3	60.8	
3481855	Drill Core	<0.5	2.0	25	1.1	6.3	<1	72.5	
3481856	Drill Core	<0.5	1.7	24	1.2	11.7	2	47.5	
3481857	Drill Core	<0.5	2.4	21	1.9	9.3	2	78.6	
3481858	Drill Core	<0.5	1.5	16	1.4	8.8	2	62.6	
3481859	Drill Core	<0.5	1.3	22	2.1	6.4	3	65.8	
3481860	Rock Pulp	<0.5	0.5	150	12.7	10.2	82	52.0	11.3
3481861	Drill Core	<0.5	1.7	43	5.3	7.7	11	67.2	
3481862	Rock	0.6	0.2	<1	<0.1	2.5	6	18.9	
3481863	Drill Core	<0.5	2.7	47	3.8	4.6	15	73.1	
3481864	Drill Core	<0.5	2.6	31	4.9	5.6	9	52.4	
3481865	Drill Core	<0.5	2.1	32	4.8	8.2	5	70.7	
3481866	Drill Core	<0.5	2.7	25	2.3	11.1	6	62.7	
3481867	Drill Core	<0.5	2.5	27	1.8	9.0	3	61.4	
3481868	Drill Core	<0.5	0.2	295	0.2	33.7	149	148.5	
3481869	Drill Core	<0.5	0.2	305	0.1	31.3	132	147.9	
3481870	Drill Core	<0.5	0.2	290	<0.1	31.6	139	142.5	
3481871	Drill Core	<0.5	0.2	278	<0.1	28.4	136	143.8	
3481872	Drill Core	<0.5	0.2	277	<0.1	30.3	120	139.1	

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 29, 2019

CERTIFICATE OF ANALYSIS TIM19002036.3

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3481873	Drill Core	6.36	<0.005	<0.1	8.13	<1	425	<1	<0.1	5.30	<0.1	39	59.1	47	43.8	10.34	3.8	0.11	0.82	17.4	17.9
3481874	Drill Core	6.36	<0.005	<0.1	7.99	<1	448	<1	<0.1	4.97	<0.1	38	58.6	45	40.4	10.09	3.8	0.06	0.90	18.0	24.5
3481875	Rock	0.20	<0.005	<0.1	7.94	<1	46	<1	<0.1	0.18	<0.1	2	<0.2	2	1.9	0.27	0.5	<0.05	3.80	0.7	20.6
3481876	Drill Core	6.47	<0.005	<0.1	8.30	<1	499	3	<0.1	5.57	<0.1	45	62.0	48	48.5	10.20	4.0	0.09	0.90	21.8	15.2
3481877	Drill Core	3.79	0.019	<0.1	6.90	6	54	<1	<0.1	3.42	<0.1	94	6.3	24	4.7	1.97	1.1	<0.05	0.29	52.5	9.9
3481878	Drill Core	4.98	0.010	<0.1	6.05	9	38	<1	<0.1	2.66	<0.1	30	6.1	18	6.0	0.72	1.1	<0.05	0.09	15.6	2.8
3481879	Drill Core	5.52	<0.005	<0.1	5.71	8	41	1	<0.1	1.54	<0.1	19	3.1	17	4.4	0.81	1.0	<0.05	0.10	10.0	2.1
3481880	Rock Pulp	0.07	5.378	0.9	6.01	24	222	<1	0.3	5.21	0.1	12	40.9	267	137.1	6.86	1.4	0.06	0.44	5.6	15.6
3481881	Drill Core	5.92	<0.005	<0.1	6.02	11	32	1	<0.1	2.12	<0.1	34	6.7	25	6.1	0.63	1.6	<0.05	0.10	18.8	2.6
3481882	Drill Core	5.37	0.005	<0.1	5.71	18	31	3	<0.1	2.15	<0.1	56	12.6	26	7.3	0.70	1.9	<0.05	0.09	30.6	2.5
3481883	Drill Core	5.18	<0.005	<0.1	5.36	29	56	3	<0.1	0.67	<0.1	18	14.6	31	8.4	0.65	2.0	<0.05	0.20	9.2	5.2
3481884	Drill Core	5.74	<0.005	<0.1	5.66	34	42	2	<0.1	1.06	<0.1	33	22.7	31	5.7	0.52	1.8	<0.05	0.13	17.0	3.1
3481885	Drill Core	5.50	0.009	<0.1	6.41	55	54	3	<0.1	1.55	<0.1	35	31.9	39	14.2	0.75	2.6	<0.05	0.18	18.2	3.5
3481886	Drill Core	5.32	<0.005	<0.1	5.67	18	49	2	<0.1	1.02	<0.1	31	7.4	24	6.1	0.64	1.4	<0.05	0.13	16.3	2.4
3481887	Drill Core	5.79	0.006	<0.1	5.88	40	57	2	<0.1	1.12	<0.1	18	15.1	38	15.8	0.70	2.2	<0.05	0.18	9.3	3.1
3481888	Drill Core	5.75	0.025	<0.1	5.78	26	34	2	<0.1	2.32	<0.1	53	11.2	38	10.1	1.03	2.3	<0.05	0.10	28.9	2.2
3481889	Drill Core	5.90	0.024	<0.1	5.67	47	48	<1	<0.1	2.60	<0.1	60	16.5	34	18.8	0.83	2.3	<0.05	0.19	30.6	1.9
3481890	Drill Core	5.47	0.006	<0.1	5.32	5	39	<1	<0.1	2.64	<0.1	45	2.5	19	3.0	0.72	1.7	<0.05	0.16	22.9	0.4
3481891	Drill Core	5.33	0.006	<0.1	5.47	6	44	<1	<0.1	2.13	<0.1	44	2.5	17	4.0	0.68	1.5	<0.05	0.21	22.8	0.7
3481892	Drill Core	4.11	<0.005	<0.1	5.42	9	54	<1	<0.1	3.20	<0.1	45	4.8	25	6.1	0.99	1.5	<0.05	0.26	22.9	1.5
3481893	Drill Core	4.14	0.007	<0.1	5.28	6	52	1	<0.1	2.25	<0.1	26	3.3	18	4.5	0.80	1.1	<0.05	0.24	12.6	1.6
3481894	Drill Core	4.00	<0.005	<0.1	5.07	5	41	1	<0.1	0.92	<0.1	37	2.7	19	3.2	0.49	1.4	<0.05	0.18	19.1	0.6
3481895	Drill Core	3.78	<0.005	<0.1	5.36	3	37	<1	<0.1	3.03	<0.1	32	1.6	18	3.4	0.80	1.1	<0.05	0.18	16.3	0.3
3481896	Drill Core	5.20	<0.005	<0.1	5.47	4	47	<1	<0.1	3.09	<0.1	36	2.4	26	3.3	0.81	1.3	<0.05	0.21	19.3	0.7
3481897	Drill Core	4.07	<0.005	<0.1	4.85	6	46	<1	<0.1	4.01	<0.1	28	3.6	26	3.3	0.99	1.2	<0.05	0.20	14.3	0.8
3481898	Rock Pulp	0.07	1.527	0.2	7.19	777	336	1	<0.1	5.65	<0.1	38	41.9	188	81.4	8.35	2.9	0.09	0.67	21.5	12.2
3481899	Drill Core	4.77	<0.005	<0.1	5.63	6	50	<1	<0.1	0.92	<0.1	41	6.6	39	5.9	0.74	2.3	<0.05	0.22	20.7	3.3
3481900	Rock	0.20	<0.005	<0.1	8.93	2	52	1	<0.1	0.19	<0.1	2	0.2	2	3.7	0.37	0.4	<0.05	3.94	0.7	27.6
3481901	Drill Core	4.72	0.005	<0.1	5.34	5	51	<1	<0.1	2.29	<0.1	27	2.7	17	4.1	0.81	1.0	<0.05	0.25	13.3	2.1
3481902	Drill Core	5.25	<0.005	<0.1	6.21	7	61	1	<0.1	1.98	<0.1	61	6.4	38	3.2	0.91	2.3	<0.05	0.29	31.6	2.6

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CERTIFICATE OF ANALYSIS TIM19002036.3

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3481873	Drill Core	3.83	1548	0.6	2.087	8.4	74.1	0.261	3.6	25.8	<0.005	<0.1	<0.1	26	<1	1.3	435	0.5	<0.5	0.7	1.805
3481874	Drill Core	3.94	1432	0.6	1.976	8.4	76.9	0.231	3.8	26.4	<0.005	<0.1	<0.1	24	<1	1.2	419	0.5	<0.5	0.7	1.738
3481875	Rock	0.03	45	0.4	6.931	0.1	0.5	<0.001	5.3	56.3	<0.005	<0.1	0.2	<1	<1	0.2	53	<0.1	<0.5	0.3	0.002
3481876	Drill Core	3.73	1494	0.7	2.165	8.8	81.8	0.248	4.8	29.5	<0.005	<0.1	0.1	26	<1	1.4	425	0.5	0.7	0.8	1.870
3481877	Drill Core	2.47	410	0.4	5.033	1.0	9.5	0.029	1.3	2.6	<0.005	<0.1	0.2	8	1	0.2	97	<0.1	<0.5	3.4	0.061
3481878	Drill Core	1.43	218	0.3	4.892	0.9	8.1	0.039	1.4	1.2	<0.005	<0.1	0.3	7	<1	0.1	76	0.1	0.8	3.6	0.038
3481879	Drill Core	1.06	162	0.5	5.121	0.4	8.0	0.024	1.4	2.0	<0.005	<0.1	0.2	5	<1	0.2	78	<0.1	<0.5	2.5	0.019
3481880	Rock Pulp	3.80	1224	3.0	1.850	3.1	116.8	0.039	16.8	14.0	<0.005	0.4	0.5	32	<1	0.6	107	0.2	<0.5	1.1	0.561
3481881	Drill Core	1.32	222	0.3	5.064	0.8	6.5	0.031	11.5	1.4	<0.005	<0.1	0.2	5	<1	0.2	71	<0.1	<0.5	4.5	0.032
3481882	Drill Core	1.34	205	0.3	5.176	0.8	11.0	0.043	6.9	1.5	<0.005	<0.1	0.2	6	<1	0.3	69	0.1	<0.5	4.8	0.035
3481883	Drill Core	1.06	90	0.4	5.173	0.9	20.6	0.033	1.5	2.8	<0.005	<0.1	0.1	5	<1	0.2	82	<0.1	<0.5	3.9	0.047
3481884	Drill Core	0.86	110	0.3	5.243	0.9	12.9	0.050	1.6	1.9	<0.005	<0.1	0.2	4	<1	0.1	74	<0.1	<0.5	3.9	0.037
3481885	Drill Core	1.31	130	0.3	5.283	1.1	27.8	0.076	2.4	6.6	<0.005	<0.1	0.2	8	<1	0.3	99	0.1	0.9	6.6	0.049
3481886	Drill Core	1.00	91	0.2	5.284	0.7	16.0	0.032	1.3	2.1	<0.005	<0.1	0.2	4	<1	0.2	88	<0.1	<0.5	4.3	0.031
3481887	Drill Core	1.20	95	0.4	5.069	1.2	32.1	0.048	1.7	3.3	<0.005	<0.1	0.2	7	<1	0.2	99	0.1	<0.5	5.2	0.058
3481888	Drill Core	1.53	193	0.2	4.769	1.1	30.1	0.148	1.4	1.9	<0.005	0.2	0.5	6	<1	0.1	105	0.1	<0.5	6.4	0.042
3481889	Drill Core	1.30	190	0.6	4.665	1.1	42.0	0.149	2.0	4.6	<0.005	0.2	0.9	7	<1	0.2	96	0.1	<0.5	6.0	0.048
3481890	Drill Core	1.31	189	0.6	4.596	1.0	6.0	0.034	1.4	3.2	<0.005	<0.1	0.3	10	<1	0.2	81	<0.1	0.8	5.0	0.039
3481891	Drill Core	1.12	149	0.4	4.527	0.9	6.4	0.031	2.9	5.5	<0.005	<0.1	0.2	6	2	1.1	87	<0.1	<0.5	4.0	0.037
3481892	Drill Core	1.72	205	0.5	4.080	0.9	10.9	0.028	5.8	8.0	<0.005	<0.1	0.4	9	2	1.9	110	0.1	<0.5	4.4	0.036
3481893	Drill Core	1.27	146	0.4	4.210	0.6	8.8	0.021	2.0	5.4	<0.005	<0.1	0.2	6	1	0.5	100	<0.1	<0.5	2.9	0.029
3481894	Drill Core	0.50	81	0.5	4.608	0.8	5.3	0.032	1.6	3.3	<0.005	<0.1	0.1	3	2	0.1	74	<0.1	<0.5	3.6	0.036
3481895	Drill Core	1.52	183	0.3	4.175	0.8	3.9	0.025	8.5	5.0	<0.005	<0.1	0.2	9	<1	0.1	87	<0.1	1.1	3.6	0.027
3481896	Drill Core	1.57	200	0.5	4.138	1.0	5.3	0.030	2.1	6.5	<0.005	<0.1	0.3	11	2	0.2	96	<0.1	<0.5	4.3	0.037
3481897	Drill Core	2.09	240	0.5	3.618	0.6	8.1	0.026	1.2	6.1	<0.005	<0.1	0.3	13	1	0.1	99	<0.1	<0.5	3.6	0.023
3481898	Rock Pulp	3.80	1961	2.4	1.997	17.8	138.9	0.160	4.9	20.6	<0.005	0.8	2.4	18	<1	1.7	375	1.1	<0.5	3.5	0.919
3481899	Drill Core	0.73	86	0.6	5.342	1.2	15.1	0.048	1.7	3.4	<0.005	<0.1	0.2	5	<1	0.3	104	0.1	<0.5	4.6	0.046
3481900	Rock	0.03	59	0.4	7.042	0.1	0.6	0.001	6.0	60.6	<0.005	<0.1	0.2	<1	<1	0.2	64	<0.1	<0.5	0.4	0.002
3481901	Drill Core	1.31	176	0.3	4.254	0.5	11.3	0.024	1.3	5.7	<0.005	<0.1	0.1	7	<1	0.2	116	<0.1	<0.5	2.4	0.023
3481902	Drill Core	1.45	142	0.9	4.807	1.2	25.0	0.051	1.8	7.1	<0.005	<0.1	0.2	8	<1	0.4	106	0.1	<0.5	6.4	0.054

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 29, 2019

CERTIFICATE OF ANALYSIS TIM19002036.3

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA530
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3481873	Drill Core	<0.5	0.2	282	<0.1	30.8	137	153.7	
3481874	Drill Core	<0.5	0.2	277	<0.1	32.9	123	153.7	
3481875	Rock	0.6	0.2	<1	<0.1	2.0	5	26.3	
3481876	Drill Core	<0.5	0.2	292	0.1	33.9	124	159.7	
3481877	Drill Core	<0.5	0.8	31	2.2	12.6	4	38.1	
3481878	Drill Core	<0.5	1.1	22	1.2	9.5	14	45.6	
3481879	Drill Core	<0.5	1.3	22	0.4	5.4	7	38.2	
3481880	Rock Pulp	<0.5	0.3	261	5.4	18.4	84	47.9	
3481881	Drill Core	<0.5	2.9	22	2.0	8.4	19	67.0	
3481882	Drill Core	<0.5	3.5	26	1.9	8.8	4	71.5	
3481883	Drill Core	<0.5	1.2	33	0.7	4.3	2	69.9	
3481884	Drill Core	<0.5	1.7	24	1.2	5.8	2	65.8	
3481885	Drill Core	<0.5	2.9	39	1.3	8.5	3	94.2	
3481886	Drill Core	<0.5	1.4	25	0.8	4.6	2	53.0	
3481887	Drill Core	<0.5	1.8	41	1.1	5.7	2	80.4	
3481888	Drill Core	<0.5	1.1	35	1.4	11.0	3	86.8	
3481889	Drill Core	<0.5	2.8	34	1.7	10.8	2	81.1	
3481890	Drill Core	<0.5	1.5	30	0.8	7.8	<1	63.7	
3481891	Drill Core	<0.5	2.2	27	0.7	6.8	1	54.4	
3481892	Drill Core	<0.5	2.7	39	0.6	8.9	1	47.5	
3481893	Drill Core	<0.5	1.0	33	0.4	6.1	2	39.6	
3481894	Drill Core	<0.5	1.0	22	0.7	3.7	<1	51.4	
3481895	Drill Core	<0.5	2.4	36	0.8	9.1	2	40.8	
3481896	Drill Core	<0.5	1.9	42	0.7	8.9	1	49.3	
3481897	Drill Core	<0.5	2.1	45	0.4	9.2	2	42.1	
3481898	Rock Pulp	<0.5	1.0	159	1.2	21.7	115	119.4	
3481899	Drill Core	<0.5	3.0	31	0.4	4.4	3	78.0	
3481900	Rock	0.7	0.2	<1	<0.1	2.2	7	20.7	
3481901	Drill Core	<0.5	1.2	23	0.2	4.7	2	36.2	
3481902	Drill Core	<0.5	3.6	41	0.5	8.4	3	87.1	

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 29, 2019

CERTIFICATE OF ANALYSIS TIM19002036.3

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3481903	Drill Core	4.06	0.005	<0.1	5.65	7	49	1	<0.1	1.31	<0.1	58	4.9	35	4.9	0.69	2.4	<0.05	0.25	31.4	1.9
3481904	Drill Core	4.48	<0.005	<0.1	7.00	19	88	2	0.2	1.46	<0.1	65	4.8	57	16.9	1.18	2.5	<0.05	0.57	34.8	4.4
3481905	Drill Core	3.44	0.026	<0.1	6.07	21	65	2	0.5	1.78	<0.1	36	8.6	41	79.9	1.24	2.4	<0.05	0.55	16.9	3.5
3481906	Drill Core	4.50	<0.005	<0.1	5.44	23	80	1	0.2	0.98	<0.1	31	3.7	29	42.7	0.77	1.7	<0.05	0.36	14.3	2.5
3481907	Drill Core	4.84	<0.005	<0.1	5.34	22	84	1	0.2	0.74	<0.1	36	5.0	37	43.3	0.87	2.1	<0.05	0.39	16.6	3.2
3481908	Drill Core	4.96	<0.005	<0.1	4.18	24	83	2	0.1	0.48	<0.1	25	3.1	20	39.0	0.77	1.2	<0.05	0.34	12.2	4.4
3481909	Drill Core	5.08	<0.005	<0.1	5.03	15	95	1	<0.1	0.36	<0.1	32	4.3	24	17.5	0.94	1.4	<0.05	0.40	15.2	4.5
3481910	Drill Core	5.00	0.007	<0.1	4.97	17	86	1	<0.1	0.61	<0.1	29	5.3	14	15.0	0.58	1.1	<0.05	0.30	13.9	2.3
3481911	Drill Core	3.88	0.019	<0.1	5.63	13	72	<1	<0.1	0.57	<0.1	45	5.4	17	12.1	0.44	1.5	<0.05	0.30	22.8	1.9
3481912	Drill Core	4.39	0.021	<0.1	5.42	15	73	2	<0.1	0.71	<0.1	39	5.4	13	11.3	0.46	1.4	<0.05	0.31	19.2	1.7
3481913	Drill Core	5.44	0.008	<0.1	4.35	14	97	2	<0.1	0.37	<0.1	32	6.2	20	39.9	0.77	1.3	<0.05	0.36	16.2	4.1
3481914	Drill Core	5.96	0.099	<0.1	4.51	33	92	1	0.1	0.58	<0.1	26	21.5	27	32.7	0.81	1.2	<0.05	0.35	12.1	3.6
3481915	Drill Core	5.23	<0.005	<0.1	4.55	27	81	1	<0.1	0.64	<0.1	22	9.4	22	25.4	0.71	1.2	<0.05	0.34	10.8	4.3
3481916	Drill Core	4.53	0.009	<0.1	4.41	63	73	1	<0.1	0.54	<0.1	18	14.1	24	99.5	0.74	1.2	<0.05	0.34	8.7	3.8
3481917	Drill Core	5.22	<0.005	<0.1	4.96	27	77	<1	<0.1	0.67	<0.1	26	5.8	26	36.8	0.86	1.7	<0.05	0.31	12.5	3.9
3481918	Drill Core	6.90	<0.005	<0.1	4.88	20	89	1	<0.1	0.42	<0.1	36	4.0	19	17.2	0.75	1.3	<0.05	0.35	16.9	3.9
3481919	Drill Core	5.90	<0.005	<0.1	5.21	25	89	1	<0.1	0.57	0.1	34	4.6	24	20.7	0.86	1.4	<0.05	0.34	16.1	4.2
3481920	Rock Pulp	0.07	1.583	0.2	7.25	738	354	1	<0.1	5.63	<0.1	39	41.4	197	81.9	8.52	3.4	0.06	0.68	20.3	9.3
3481921	Drill Core	5.93	0.008	<0.1	4.30	57	66	<1	0.2	0.64	<0.1	15	17.4	21	113.6	0.70	1.3	<0.05	0.26	7.1	2.5
3481922	Drill Core	5.73	<0.005	<0.1	4.45	17	96	1	<0.1	0.31	<0.1	25	6.1	35	9.5	0.91	2.2	<0.05	0.37	12.2	4.7
3481923	Drill Core	4.25	<0.005	<0.1	4.33	43	82	2	<0.1	0.57	<0.1	29	9.6	29	59.0	0.71	1.6	<0.05	0.32	13.6	4.0
3481924	Drill Core	4.89	<0.005	<0.1	4.56	40	79	2	0.2	0.68	<0.1	29	9.5	30	21.1	0.88	1.5	<0.05	0.34	13.7	4.4
3481925	Drill Core	4.68	<0.005	<0.1	4.97	19	82	2	<0.1	0.62	<0.1	30	5.6	40	13.5	0.95	2.4	<0.05	0.28	14.0	3.8
3481926	Drill Core	2.81	>10	0.4	6.23	402	114	3	0.9	2.61	<0.1	79	14.8	81	177.0	4.60	4.6	<0.05	0.48	38.6	7.6

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Project: SPJ
Report Date: October 29, 2019

CERTIFICATE OF ANALYSIS TIM19002036.3

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3481903	Drill Core	0.95	108	0.7	4.810	1.1	14.4	0.044	2.3	6.9	<0.005	<0.1	0.2	6	2	0.2	112	0.1	<0.5	6.2	0.048
3481904	Drill Core	2.00	157	0.8	5.379	1.7	27.5	0.043	1.7	25.0	<0.005	<0.1	0.2	13	1	0.3	89	0.2	<0.5	8.5	0.095
3481905	Drill Core	1.79	161	0.5	5.278	1.2	45.7	0.048	3.9	20.0	<0.005	0.3	0.3	6	<1	0.5	93	0.1	<0.5	5.4	0.063
3481906	Drill Core	1.15	113	0.3	5.127	1.0	22.6	0.028	1.9	10.0	<0.005	<0.1	0.2	4	1	0.2	99	<0.1	<0.5	4.3	0.044
3481907	Drill Core	1.09	93	0.5	5.227	1.0	29.7	0.030	2.4	6.4	<0.005	<0.1	0.2	5	<1	0.3	102	0.1	<0.5	4.1	0.049
3481908	Drill Core	0.82	71	0.6	4.871	0.7	19.6	0.020	1.8	3.2	<0.005	<0.1	0.2	3	<1	0.3	85	<0.1	<0.5	2.4	0.037
3481909	Drill Core	1.02	56	0.8	5.060	0.8	17.8	0.023	1.2	6.6	<0.005	<0.1	0.2	4	<1	0.2	100	<0.1	<0.5	3.1	0.039
3481910	Drill Core	0.67	78	0.3	4.708	0.5	12.7	0.018	1.0	4.2	<0.005	<0.1	0.2	3	<1	0.2	99	<0.1	<0.5	2.5	0.023
3481911	Drill Core	0.41	73	0.3	5.277	0.7	9.8	0.034	1.1	4.6	<0.005	<0.1	0.1	3	<1	0.1	81	<0.1	<0.5	3.8	0.026
3481912	Drill Core	0.53	83	0.3	4.903	0.6	11.8	0.032	0.9	5.4	<0.005	<0.1	0.1	3	<1	0.1	86	<0.1	<0.5	3.4	0.020
3481913	Drill Core	0.86	50	0.6	4.763	0.8	16.7	0.020	1.2	5.4	<0.005	<0.1	0.1	3	<1	0.2	84	<0.1	<0.5	2.7	0.033
3481914	Drill Core	0.89	68	0.5	4.921	0.8	30.4	0.024	1.7	4.6	<0.005	0.2	0.2	3	<1	0.2	101	<0.1	<0.5	2.7	0.037
3481915	Drill Core	0.95	75	0.3	4.999	0.5	16.7	0.023	1.2	3.9	<0.005	<0.1	0.1	4	<1	0.2	95	<0.1	<0.5	2.5	0.030
3481916	Drill Core	0.90	60	0.3	5.124	0.6	17.7	0.030	1.9	3.7	<0.005	<0.1	0.1	4	<1	0.7	77	<0.1	<0.5	2.2	0.033
3481917	Drill Core	1.13	79	0.5	5.240	0.7	15.9	0.024	2.5	3.2	<0.005	<0.1	0.1	4	<1	1.1	91	<0.1	<0.5	2.7	0.036
3481918	Drill Core	0.94	47	0.6	5.398	0.7	13.9	0.039	1.6	5.1	<0.005	<0.1	0.2	4	1	0.3	77	<0.1	<0.5	2.6	0.039
3481919	Drill Core	0.98	66	0.4	5.082	0.6	18.0	0.033	12.9	6.1	<0.005	<0.1	0.1	4	<1	0.2	94	<0.1	<0.5	2.9	0.036
3481920	Rock Pulp	3.92	1882	2.6	2.132	18.0	141.3	0.166	5.1	20.4	<0.005	0.7	2.5	19	2	1.7	374	1.1	1.3	3.5	0.900
3481921	Drill Core	0.83	76	0.4	5.163	0.7	23.6	0.023	2.0	2.1	<0.005	<0.1	0.2	3	1	0.1	75	<0.1	<0.5	2.3	0.028
3481922	Drill Core	1.03	54	0.6	5.323	0.9	14.8	0.027	2.8	4.3	<0.005	<0.1	0.2	4	<1	0.2	82	<0.1	<0.5	3.4	0.045
3481923	Drill Core	0.86	68	0.6	5.283	0.8	16.8	0.021	1.4	4.1	<0.005	<0.1	0.1	4	<1	0.1	76	<0.1	<0.5	2.4	0.040
3481924	Drill Core	1.12	93	0.6	4.987	0.8	20.2	0.033	1.3	4.8	<0.005	<0.1	0.2	5	<1	0.1	88	<0.1	<0.5	3.0	0.040
3481925	Drill Core	1.24	92	0.3	5.074	0.8	20.1	0.038	1.1	2.6	<0.005	<0.1	<0.1	5	<1	0.1	90	<0.1	<0.5	3.5	0.042
3481926	Drill Core	2.73	336	1.2	3.368	0.9	28.7	0.056	8.4	23.0	<0.005	1.2	0.5	18	<1	0.1	106	0.1	0.9	8.0	0.044

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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA530
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3481903	Drill Core	<0.5	2.6	29	0.5	6.7	12	85.1	
3481904	Drill Core	<0.5	2.4	84	0.5	14.2	6	92.4	
3481905	Drill Core	<0.5	2.3	41	0.6	7.5	13	83.7	
3481906	Drill Core	<0.5	1.5	28	0.2	4.2	18	53.6	
3481907	Drill Core	<0.5	1.5	36	0.3	4.4	4	72.8	
3481908	Drill Core	<0.5	0.6	25	0.1	2.6	3	41.7	
3481909	Drill Core	<0.5	0.6	31	0.1	3.0	3	44.4	
3481910	Drill Core	<0.5	0.9	21	0.2	2.9	3	35.9	
3481911	Drill Core	<0.5	1.1	18	0.3	3.9	2	53.1	
3481912	Drill Core	<0.5	1.3	17	0.2	3.7	2	46.9	
3481913	Drill Core	<0.5	0.6	27	0.3	2.6	4	45.1	
3481914	Drill Core	<0.5	1.0	29	0.7	2.8	4	45.7	
3481915	Drill Core	<0.5	0.6	27	0.2	2.6	5	45.4	
3481916	Drill Core	<0.5	0.7	30	0.3	2.6	3	47.7	
3481917	Drill Core	<0.5	0.8	30	0.4	3.4	5	56.3	
3481918	Drill Core	<0.5	0.6	35	0.2	3.7	4	45.0	
3481919	Drill Core	<0.5	0.8	25	0.2	3.4	82	51.8	
3481920	Rock Pulp	<0.5	1.0	159	1.3	24.1	111	120.5	
3481921	Drill Core	<0.5	0.7	22	0.2	2.5	3	49.3	
3481922	Drill Core	<0.5	0.5	32	0.1	3.2	5	75.7	
3481923	Drill Core	<0.5	0.5	34	0.2	2.6	3	53.9	
3481924	Drill Core	<0.5	0.7	34	0.2	3.3	4	56.2	
3481925	Drill Core	<0.5	1.0	36	0.4	4.2	5	80.9	
3481926	Drill Core	<0.5	2.5	61	1.6	13.2	12	137.5	

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Report Date: October 29, 2019

QUALITY CONTROL REPORT TIM19002036.3

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
Pulp Duplicates																					
3481826	Drill Core	4.95	<0.005	<0.1	6.34	7	48	1	<0.1	1.21	<0.1	16	3.2	32	7.1	0.83	1.5	<0.05	0.15	8.0	2.3
REP 3481826	QC		<0.005																		
3481842	Drill Core	6.04	<0.005	<0.1	4.79	12	131	1	<0.1	0.25	<0.1	21	3.6	22	4.8	0.55	1.2	<0.05	0.45	9.9	6.0
REP 3481842	QC			<0.1	4.75	10	120	2	<0.1	0.25	<0.1	20	3.2	21	4.3	0.53	1.3	<0.05	0.47	9.9	5.8
3481860	Rock Pulp	0.07	>10	2.0	5.48	60	243	<1	0.6	4.04	0.3	12	34.6	496	123.2	4.72	1.4	<0.05	0.73	6.4	30.4
REP 3481860	QC																				
3481874	Drill Core	6.36	<0.005	<0.1	7.99	<1	448	<1	<0.1	4.97	<0.1	38	58.6	45	40.4	10.09	3.8	0.06	0.90	18.0	24.5
REP 3481874	QC			<0.1	8.25	1	447	1	<0.1	5.10	0.2	38	57.2	42	42.3	10.27	3.6	0.09	0.93	17.9	26.2
3481882	Drill Core	5.37	0.005	<0.1	5.71	18	31	3	<0.1	2.15	<0.1	56	12.6	26	7.3	0.70	1.9	<0.05	0.09	30.6	2.5
REP 3481882	QC		<0.005																		
3481909	Drill Core	5.08	<0.005	<0.1	5.03	15	95	1	<0.1	0.36	<0.1	32	4.3	24	17.5	0.94	1.4	<0.05	0.40	15.2	4.5
REP 3481909	QC			<0.1	4.86	13	93	1	<0.1	0.34	<0.1	32	3.5	22	16.6	0.92	1.3	<0.05	0.41	15.3	4.2
REP 3481912	QC		0.016																		
Core Reject Duplicates																					
3481844	Drill Core	5.44	<0.005	<0.1	6.17	31	100	2	<0.1	0.80	<0.1	28	5.3	38	14.6	0.65	2.8	<0.05	0.41	12.5	5.1
DUP 3481844	QC		<0.005	<0.1	5.91	24	96	2	<0.1	0.80	<0.1	26	4.5	36	14.2	0.70	2.7	<0.05	0.39	11.4	4.3
3481878	Drill Core	4.98	0.010	<0.1	6.05	9	38	<1	<0.1	2.66	<0.1	30	6.1	18	6.0	0.72	1.1	<0.05	0.09	15.6	2.8
DUP 3481878	QC		0.013	<0.1	6.01	9	41	2	<0.1	2.60	<0.1	32	7.3	20	6.8	0.74	1.3	<0.05	0.09	16.8	3.2
3481912	Drill Core	4.39	0.021	<0.1	5.42	15	73	2	<0.1	0.71	<0.1	39	5.4	13	11.3	0.46	1.4	<0.05	0.31	19.2	1.7
DUP 3481912	QC		0.019	<0.1	5.11	18	70	1	<0.1	0.67	<0.1	40	6.3	13	12.1	0.47	1.2	<0.05	0.31	19.3	1.3
Reference Materials																					
STD OREAS25A-4A	Standard			<0.1	9.24	9	149	<1	0.3	0.29	<0.1	49	7.9	103	33.6	6.41	4.3	0.05	0.48	22.8	37.7
STD OREAS25A-4A	Standard			<0.1	8.84	11	148	2	0.4	0.27	<0.1	47	8.3	111	34.7	6.45	4.3	<0.05	0.49	20.5	36.1
STD OREAS25A-4A	Standard			<0.1	8.97	9	162	1	0.3	0.28	<0.1	46	7.5	114	36.7	6.68	4.4	0.11	0.49	20.4	39.9
STD OREAS25A-4A	Standard			<0.1	9.27	11	142	2	0.4	0.28	<0.1	47	7.8	110	34.3	6.54	4.1	0.10	0.49	22.4	41.1
STD OREAS25A-4A	Standard			<0.1	8.36	9	160	1	0.4	0.23	<0.1	39	8.8	129	39.3	6.72	4.8	0.08	0.53	17.2	39.5
STD OREAS45E	Standard			0.3	7.22	18	261	<1	0.3	0.06	<0.1	26	60.0	1073	800.9	25.21	3.1	0.09	0.35	11.7	6.5
STD OREAS45H	Standard			0.1	8.26	18	355	2	0.1	0.13	<0.1	27	89.3	654	779.3	20.07	3.4	0.08	0.21	13.6	13.9

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 29, 2019

QUALITY CONTROL REPORT TIM19002036.3

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
Pulp Duplicates																					
3481826	Drill Core	1.12	166	0.4	5.215	0.7	8.3	0.023	4.5	4.2	<0.005	<0.1	0.2	5	1	<0.1	81	<0.1	<0.5	4.1	0.028
REP 3481826	QC																				
3481842	Drill Core	0.93	39	0.8	5.249	0.7	11.5	0.025	1.3	7.6	<0.005	<0.1	0.1	4	<1	0.2	98	<0.1	<0.5	2.5	0.035
REP 3481842	QC	0.90	35	0.6	4.985	0.6	12.4	0.022	1.1	7.7	<0.005	<0.1	0.1	3	<1	0.2	92	<0.1	<0.5	2.3	0.034
3481860	Rock Pulp	4.35	786	6.3	1.289	2.0	242.5	0.029	40.3	30.4	<0.005	0.9	0.8	20	2	0.5	93	0.1	2.0	2.0	0.257
REP 3481860	QC																				
3481874	Drill Core	3.94	1432	0.6	1.976	8.4	76.9	0.231	3.8	26.4	<0.005	<0.1	<0.1	24	<1	1.2	419	0.5	<0.5	0.7	1.738
REP 3481874	QC	3.98	1447	0.6	2.029	8.2	73.2	0.237	3.7	27.1	<0.005	<0.1	0.1	23	<1	1.3	425	0.5	0.7	0.7	1.851
3481882	Drill Core	1.34	205	0.3	5.176	0.8	11.0	0.043	6.9	1.5	<0.005	<0.1	0.2	6	<1	0.3	69	0.1	<0.5	4.8	0.035
REP 3481882	QC																				
3481909	Drill Core	1.02	56	0.8	5.060	0.8	17.8	0.023	1.2	6.6	<0.005	<0.1	0.2	4	<1	0.2	100	<0.1	<0.5	3.1	0.039
REP 3481909	QC	0.95	50	0.6	4.780	0.8	16.9	0.024	1.2	5.9	<0.005	<0.1	0.2	4	<1	0.3	91	<0.1	<0.5	3.0	0.041
REP 3481912	QC																				
Core Reject Duplicates																					
3481844	Drill Core	1.27	74	0.4	5.025	1.7	24.8	0.036	1.4	7.4	<0.005	<0.1	0.2	6	<1	<0.1	118	0.2	<0.5	5.1	0.077
DUP 3481844	QC	1.26	70	0.5	5.053	1.6	20.7	0.035	1.4	5.3	<0.005	<0.1	0.3	6	<1	<0.1	108	0.2	<0.5	4.9	0.066
3481878	Drill Core	1.43	218	0.3	4.892	0.9	8.1	0.039	1.4	1.2	<0.005	<0.1	0.3	7	<1	0.1	76	0.1	0.8	3.6	0.038
DUP 3481878	QC	1.38	217	0.2	5.249	1.0	10.1	0.041	1.5	1.1	<0.005	<0.1	0.2	7	2	0.1	77	<0.1	<0.5	3.7	0.043
3481912	Drill Core	0.53	83	0.3	4.903	0.6	11.8	0.032	0.9	5.4	<0.005	<0.1	0.1	3	<1	0.1	86	<0.1	<0.5	3.4	0.020
DUP 3481912	QC	0.51	85	0.3	4.918	0.6	12.5	0.029	0.9	4.9	<0.005	<0.1	0.2	3	<1	0.1	80	<0.1	<0.5	3.4	0.023
Reference Materials																					
STD OREAS25A-4A	Standard	0.33	485	2.3	0.129	18.8	44.3	0.048	25.1	60.7	<0.005	<0.1	0.6	13	3	3.6	49	1.3	<0.5	16.9	0.913
STD OREAS25A-4A	Standard	0.32	500	2.5	0.128	19.7	45.5	0.047	26.1	56.7	<0.005	<0.1	0.6	12	2	3.9	48	1.4	<0.5	16.3	0.880
STD OREAS25A-4A	Standard	0.33	468	2.5	0.130	21.0	47.5	0.049	24.7	57.7	<0.005	<0.1	0.7	13	3	4.2	48	1.6	<0.5	15.1	1.054
STD OREAS25A-4A	Standard	0.33	472	2.3	0.122	20.0	45.1	0.049	24.2	56.9	<0.005	<0.1	0.6	12	2	4.1	47	1.4	<0.5	16.2	0.938
STD OREAS25A-4A	Standard	0.36	492	2.2	0.134	22.7	49.1	0.050	27.4	52.7	<0.005	<0.1	0.5	12	3	3.8	42	1.6	<0.5	15.6	0.924
STD OREAS45E	Standard	0.16	585	2.4	0.057	6.2	472.4	0.033	19.3	22.7	<0.005	<0.1	1.1	95	3	1.3	17	0.6	<0.5	14.2	0.562
STD OREAS45H	Standard	0.25	397	1.7	0.089	13.9	441.7	0.022	13.2	22.0	<0.005	<0.1	0.7	60	1	2.1	30	1.0	<0.5	8.6	0.866

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Project: SPJ
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QUALITY CONTROL REPORT TIM19002036.3

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA530
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
Pulp Duplicates									
3481826	Drill Core	<0.5	3.8	26	0.8	7.1	4	59.6	
REP 3481826	QC								
3481842	Drill Core	<0.5	0.7	26	0.1	3.7	2	45.1	
REP 3481842	QC	<0.5	0.6	25	0.2	3.7	2	44.5	
3481860	Rock Pulp	<0.5	0.5	150	12.7	10.2	82	52.0	11.3
REP 3481860	QC								I.S.
3481874	Drill Core	<0.5	0.2	277	<0.1	32.9	123	153.7	
REP 3481874	QC	<0.5	0.2	283	<0.1	31.4	122	149.3	
3481882	Drill Core	<0.5	3.5	26	1.9	8.8	4	71.5	
REP 3481882	QC								
3481909	Drill Core	<0.5	0.6	31	0.1	3.0	3	44.4	
REP 3481909	QC	<0.5	0.6	29	0.1	2.7	3	42.4	
REP 3481912	QC								
Core Reject Duplicates									
3481844	Drill Core	<0.5	1.3	42	0.6	5.4	2	100.1	
DUP 3481844	QC	<0.5	1.3	41	0.4	4.9	1	96.3	
3481878	Drill Core	<0.5	1.1	22	1.2	9.5	14	45.6	
DUP 3481878	QC	<0.5	1.2	22	1.4	9.6	14	44.4	
3481912	Drill Core	<0.5	1.3	17	0.2	3.7	2	46.9	
DUP 3481912	QC	<0.5	1.3	17	0.3	3.6	2	42.1	
Reference Materials									
STD OREAS25A-4A	Standard	<0.5	2.9	154	1.7	10.6	44	148.5	
STD OREAS25A-4A	Standard	<0.5	3.0	152	2.0	10.3	46	157.1	
STD OREAS25A-4A	Standard	<0.5	3.0	169	2.1	9.9	48	158.6	
STD OREAS25A-4A	Standard	<0.5	3.0	155	2.0	10.9	46	148.2	
STD OREAS25A-4A	Standard	<0.5	3.1	156	2.2	8.8	50	168.6	
STD OREAS45E	Standard	<0.5	2.7	342	1.0	8.3	48	105.9	
STD OREAS45H	Standard	<0.5	1.8	264	0.9	10.1	41	126.1	

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Project: SPJ
Report Date: October 29, 2019

QUALITY CONTROL REPORT TIM19002036.3

		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
STD OREAS45H	Standard			0.1	8.26	18	358	1	0.2	0.14	<0.1	25	90.1	628	814.0	19.48	3.5	0.10	0.20	12.6	13.9
STD OREAS45E	Standard			0.3	7.03	17	258	<1	0.2	0.06	<0.1	24	58.0	986	781.8	24.47	2.6	0.11	0.33	12.4	7.0
STD OREAS45E	Standard			0.3	6.69	17	257	<1	0.3	0.06	<0.1	19	61.1	1044	753.6	25.10	3.2	0.09	0.37	8.6	7.6
STD OXC145	Standard		0.211																		
STD OXC145	Standard		0.209																		
STD OXC145	Standard		0.211																		
STD OXC145	Standard		0.212																		
STD OXC145	Standard		0.217																		
STD OXH139	Standard		1.241																		
STD OXH139	Standard		1.283																		
STD OXH139	Standard		1.278																		
STD OXH139	Standard		1.290																		
STD OXH139	Standard		1.305																		
STD OXN134	Standard		7.544																		
STD OXN134	Standard		7.679																		
STD OXN134	Standard		7.517																		
STD OXN134	Standard		7.552																		
STD OXN134	Standard		7.615																		
STD OXP116	Standard																				
STD OXQ90	Standard																				
STD OXQ90	Standard																				
STD OXC145 Expected			0.212																		
STD OXN134 Expected			7.667																		
STD OXH139 Expected			1.312																		
STD OREAS45H Expected				0.147	7.99	16.9	332	1.09	0.17	0.135		23.6	88	602	767	19.52	3.6	0.1	0.205	12.4	13.1
STD OREAS25A-4A Expected					8.87	9.94	147	0.93	0.37	0.301		47.3	7.7	115	33.9	6.6	4.14	0.09	0.482	21.8	36.7
STD OREAS45E Expected				0.311	6.78	16.3	252		0.28	0.065	0.06	23.5	57	979	780	24.12	3.11	0.099	0.324	11	6.58
STD OXP116 Expected																					
STD OXQ90 Expected																					

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QUALITY CONTROL REPORT TIM19002036.3

		MA200 Mg % 0.01	MA200 Mn ppm 1	MA200 Mo ppm 0.1	MA200 Na % 0.001	MA200 Nb ppm 0.1	MA200 Ni ppm 0.1	MA200 P % 0.001	MA200 Pb ppm 0.1	MA200 Rb ppm 0.1	MA200 Re ppm 0.005	MA200 S % 0.1	MA200 Sb ppm 0.1	MA200 Sc ppm 1	MA200 Se ppm 1	MA200 Sn ppm 0.1	MA200 Sr ppm 1	MA200 Ta ppm 0.1	MA200 Te ppm 0.5	MA200 Th ppm 0.1	MA200 Ti % 0.001
STD OREAS45H	Standard	0.26	409	1.3	0.082	14.1	458.1	0.024	12.8	22.0	<0.005	<0.1	0.6	56	2	1.9	28	1.0	<0.5	7.7	0.962
STD OREAS45E	Standard	0.16	554	2.5	0.058	6.2	457.5	0.034	18.4	21.3	<0.005	<0.1	1.0	93	2	1.1	17	0.5	<0.5	14.0	0.543
STD OREAS45E	Standard	0.16	541	2.2	0.057	6.6	450.9	0.033	18.8	19.5	<0.005	<0.1	1.0	93	2	1.3	16	0.6	<0.5	12.4	0.532
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXP116	Standard																				
STD OXQ90	Standard																				
STD OXQ90	Standard																				
STD OXC145 Expected																					
STD OXN134 Expected																					
STD OXH139 Expected																					
STD OREAS45H Expected		0.238	380	1.55	0.09	14.8	423	0.023	11.9	22.5			0.63	57	2.02	1.93	27.1	1.08		7.26	0.878
STD OREAS25A-4A Expected		0.327	480	2.41	0.131	20.9	45.8	0.048	25.2	61		0.047	0.65	13.7	2.4	4.06	48.5	1.4		15.8	0.93
STD OREAS45E Expected		0.156	570	2.4	0.059	6.8	454	0.034	18.2	21.2		0.046	1	93	2.97	1.32	15.9	0.54	0.1	12.9	0.559
STD OXP116 Expected																					
STD OXQ90 Expected																					

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Report Date: October 29, 2019

QUALITY CONTROL REPORT TIM19002036.3

		MA200 Tl ppm 0.5	MA200 U ppm 0.1	MA200 V ppm 1	MA200 W ppm 0.1	MA200 Y ppm 0.1	MA200 Zn ppm 1	MA200 Zr ppm 0.1	FA530 Au gm/t 0.9
STD OREAS45H	Standard	<0.5	1.9	302	1.0	9.1	46	125.8	
STD OREAS45E	Standard	<0.5	2.5	325	1.0	8.5	47	91.7	
STD OREAS45E	Standard	<0.5	2.5	324	1.1	6.8	47	106.9	
STD OXC145	Standard								
STD OXC145	Standard								
STD OXC145	Standard								
STD OXC145	Standard								
STD OXC145	Standard								
STD OXH139	Standard								
STD OXH139	Standard								
STD OXH139	Standard								
STD OXH139	Standard								
STD OXH139	Standard								
STD OXN134	Standard								
STD OXN134	Standard								
STD OXN134	Standard								
STD OXN134	Standard								
STD OXN134	Standard								
STD OXP116	Standard								15.3
STD OXQ90	Standard								25.4
STD OXQ90	Standard								25.2
STD OXC145 Expected									
STD OXN134 Expected									
STD OXH139 Expected									
STD OREAS45H Expected			1.68	263	0.99	10.4	39.7	131	
STD OREAS25A-4A Expected		0.35	2.94	157	2	10.5	44.4	155	
STD OREAS45E Expected		0.15	2.41	322	1.07	8.28	46.7	97	
STD OXP116 Expected									14.92
STD OXQ90 Expected									24.88

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BUREAU VERITAS
MINERAL LABORATORIES
Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 29, 2019

QUALITY CONTROL REPORT TIM19002036.3

		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	0.02	<0.1	<1	<0.2	2	0.4	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	0.2
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	2	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	2	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank																				
Prep Wash																					
ROCK-TIM	Prep Blank		<0.005	<0.1	6.85	<1	788	1	<0.1	1.49	<0.1	24	4.3	6	3.3	2.05	1.6	<0.05	1.58	12.0	2.7
ROCK-TIM	Prep Blank		<0.005	<0.1	7.04	<1	836	<1	<0.1	1.49	<0.1	27	3.9	6	2.6	2.06	1.8	<0.05	1.61	13.9	3.5

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 29, 2019

QUALITY CONTROL REPORT TIM19002036.3

		MA200 Mg % 0.01	MA200 Mn ppm 1	MA200 Mo ppm 0.1	MA200 Na % 0.001	MA200 Nb ppm 0.1	MA200 Ni ppm 0.1	MA200 P % 0.001	MA200 Pb ppm 0.1	MA200 Rb ppm 0.1	MA200 Re ppm 0.005	MA200 S % 0.1	MA200 Sb ppm 0.1	MA200 Sc ppm 1	MA200 Se ppm 1	MA200 Sn ppm 0.1	MA200 Sr ppm 1	MA200 Ta ppm 0.1	MA200 Te ppm 0.5	MA200 Th ppm 0.1	MA200 Ti % 0.001
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<1	<0.1	0.001	<0.1	<0.1	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.002	<0.1	0.1	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.006	<0.1	0.3	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	0.3	0.004	<0.1	0.3	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.001	<0.1	<0.1	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank																				
Prep Wash																					
ROCK-TIM	Prep Blank	0.51	632	1.0	3.323	5.1	1.1	0.037	2.9	31.3	<0.005	<0.1	0.2	6	<1	0.6	200	0.3	<0.5	2.5	0.193
ROCK-TIM	Prep Blank	0.49	622	1.2	3.346	5.4	0.9	0.040	3.1	34.6	<0.005	<0.1	0.2	7	1	0.7	211	0.4	<0.5	3.0	0.205

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 29, 2019

QUALITY CONTROL REPORT TIM19002036.3

		MA200 Tl ppm 0.5	MA200 U ppm 0.1	MA200 V ppm 1	MA200 W ppm 0.1	MA200 Y ppm 0.1	MA200 Zn ppm 1	MA200 Zr ppm 0.1	FA530 Au gm/t 0.9
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1	
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1	
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1	
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1	
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1	
BLK	Blank								<0.9
Prep Wash									
ROCK-TIM	Prep Blank	<0.5	1.1	31	0.3	15.6	37	48.2	
ROCK-TIM	Prep Blank	<0.5	1.2	31	0.3	16.6	37	53.5	

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By: Quentin Yarie
Receiving Lab: Canada-Timmins
Received: September 10, 2019
Report Date: September 26, 2019

CERTIFICATE OF ANALYSIS TIM19002036M.1

CLIENT JOB INFORMATION

Project: SPJ
Shipment ID:
P.O. Number
Number of Samples: 2

SAMPLE DISPOSAL

RTRN-PLP Return After 90 days
RTRN-RJT Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PUL85	2	Pulverize to 85% passing 200 mesh			TIM
SPTRF	2	Split samples by riffle splitter			TIM
FS652	2	Metallic Sieve 1 kg to 150 mesh - save + and - fraction			TIM
FS652	2	Metallic Fire Assay - duplicate minus fraction analysis	50	Completed	TIM
EN002	2	Environmental disposal charge-Fire assay lead waste			TIM
FA550	1	Lead collection fire assay 50G fusion - Grav finish	50	Completed	TIM
FA550	1	Lead collection fire assay 50G fusion - Grav finish	50	Completed	TIM

ADDITIONAL COMMENTS

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
Marcus Lau
MARCUS LAU
Production Manager

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All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

BUREAU VERITAS
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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: September 26, 2019

CERTIFICATE OF ANALYSIS TIM19002036M.1

	Method	M150 1kg	FA450	FA450	FS652	FS652	FS652	FA550	FA550
	Analyte	TotWt	-Au	-Au + Au Wt		+ Au	Au Total	-Au	-Au
	Unit	g	gm/t	gm/t	g	gm/t	gm/t	gm/t	gm/t
	MDL	1	0.005	0.005	0.01	0.05	0.05	0.9	0.9
3481861	Drill Core	1085	>10	>10	29.57	61.25	20.38	18.69	19.78
3481926	Drill Core	1000	>10	>10	26.74	59.42	13.44	12.3	12.0

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: September 26, 2019

QUALITY CONTROL REPORT TIM19002036M.1

	Method	M150 1kg	FA450	FA450	FS652	FS652	FS652	FA550	FA550
	Analyte	TotWt	-Au	-Au	+ Au Wt	+ Au	Au Total	-Au	-Au
	Unit	g	gm/t	gm/t	g	gm/t	gm/t	gm/t	gm/t
	MDL	1	0.005	0.005	0.01	0.05	0.05	0.9	0.9
Pulp Duplicates									
3481926	Drill Core	1000	>10	>10	26.74	59.42	13.44	12.3	12.0
REP 3481926	QC			>10					12.8
Reference Materials									
STD OXC145	Standard			0.219					
STD OXC145	Standard		0.206						
STD OXH139	Standard			1.310					
STD OXH139	Standard		1.309						
STD OXN134	Standard			7.417					
STD OXN134	Standard		7.599						
STD OXP116	Standard							15.2	
STD OXP116	Standard								15.3
STD OXQ90	Standard				50.34	25.11			
STD OXQ90	Standard							25.2	
STD OXQ90	Standard							25.3	
STD OXQ90	Standard								25.3
STD OXQ90	Standard								25.3
STD OXQ90 Expected						24.88			
BLK	Blank				50.00	<0.05			
BLK	Blank			0.005					
BLK	Blank			<0.005					
BLK	Blank							<0.9	
BLK	Blank								<0.9
BLK	Blank		<0.005						
BLK	Blank		<0.005						
Prep Wash									
ROCK-TIM	Prep Blank	910	<0.005	<0.005	31.68	<0.05	<0.05		

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By: Quentin Yarie
Receiving Lab: Canada-Timmins
Received: September 10, 2019
Report Date: October 16, 2019

CERTIFICATE OF ANALYSIS TIM19002037.1

CLIENT JOB INFORMATION

Project: SPJ
Shipment ID:
P.O. Number
Number of Samples: 89

SAMPLE DISPOSAL

RTRN-PLP Return After 90 days
RTRN-RJT Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP85-500	85	Crush split and pulverize 250g of sample to 200mesh			TIM
SLBHP	4	Sort, label and box pulps			TIM
SHP01	89	Per sample shipping charges for branch shipments			TIM
FA450	89	50g Lead Collection Fire Assay Fusion - AAS Finish	50	Completed	TIM
EN002	89	Environmental disposal charge-Fire assay lead waste			TIM
MA200	89	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
EN001-MA	89	Environmental disposal fee - Multi-acid neutralization			VAN
FA550	2	Lead collection fire assay 50G fusion - Grav finish	50	Completed	TIM

ADDITIONAL COMMENTS

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC: Eric Steffler

BRITISH COLUMBIA CERTIFIED ASSAYER
Marcus Lau
MARCUS LAU
Production Manager

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 16, 2019

CERTIFICATE OF ANALYSIS TIM19002037.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3481927	Rock	0.21	<0.005	<0.1	9.16	1	54	<1	<0.1	0.21	<0.1	2	0.3	2	3.5	0.32	0.4	<0.05	4.18	0.8	25.1
3481928	Drill Core	2.15	0.009	<0.1	5.97	22	70	<1	<0.1	0.72	<0.1	48	8.7	47	17.4	1.56	2.4	<0.05	0.27	22.6	3.9
3481929	Drill Core	4.81	<0.005	<0.1	6.17	56	85	1	0.1	1.49	<0.1	41	15.7	31	45.4	1.07	1.8	<0.05	0.33	20.6	3.9
3481930	Drill Core	6.42	0.010	<0.1	6.05	59	120	2	<0.1	1.28	<0.1	48	10.1	42	64.2	0.99	2.4	<0.05	0.41	23.2	4.4
3481931	Drill Core	5.73	0.005	<0.1	5.39	52	111	1	<0.1	0.88	<0.1	34	11.0	39	58.3	0.83	2.4	<0.05	0.37	16.2	4.7
3481932	Drill Core	5.15	<0.005	<0.1	4.49	25	95	2	<0.1	0.50	<0.1	34	7.8	23	14.2	0.65	1.6	<0.05	0.31	17.9	3.3
3481933	Drill Core	6.10	<0.005	<0.1	5.51	18	75	2	<0.1	1.66	<0.1	38	5.0	28	16.0	0.66	1.7	<0.05	0.24	19.0	1.7
3481934	Drill Core	5.66	0.010	<0.1	5.60	33	61	1	<0.1	2.04	<0.1	32	9.4	27	51.8	1.21	1.5	0.06	0.24	16.2	2.4
3481935	Drill Core	2.38	1.805	<0.1	6.41	18	41	2	<0.1	3.53	<0.1	34	8.5	38	35.7	4.41	1.4	0.13	0.20	16.9	7.8
3481936	Drill Core	5.75	0.038	<0.1	5.67	14	79	2	<0.1	0.99	<0.1	28	6.9	25	9.8	0.97	1.5	<0.05	0.25	14.1	2.3
3481937	Drill Core	5.66	0.029	<0.1	6.17	7	80	1	<0.1	1.34	<0.1	41	3.2	24	7.3	0.82	1.6	<0.05	0.28	22.2	3.4
3481938	Drill Core	5.72	0.007	<0.1	6.19	9	62	<1	<0.1	1.03	<0.1	33	3.8	25	4.9	1.15	1.5	<0.05	0.29	16.9	4.0
3481939	Drill Core	5.11	0.006	<0.1	5.92	14	78	2	<0.1	0.95	<0.1	31	5.6	31	6.4	0.94	1.6	<0.05	0.26	16.7	3.3
3481940	Rock Pulp	0.07	>10	2.0	5.23	62	227	<1	0.7	3.87	0.2	12	32.0	516	119.6	4.48	1.2	<0.05	0.70	6.6	33.0
3481941	Drill Core	5.92	0.008	<0.1	6.02	30	64	2	0.1	2.16	<0.1	30	10.1	30	52.2	0.99	1.4	<0.05	0.32	14.8	3.2
3481942	Drill Core	5.21	0.007	<0.1	6.54	21	76	2	<0.1	1.48	<0.1	39	9.7	47	19.0	1.25	1.9	<0.05	0.33	20.6	4.3
3481943	Drill Core	5.43	0.010	<0.1	5.99	16	75	<1	<0.1	1.70	<0.1	38	5.2	18	11.6	0.78	1.2	<0.05	0.28	21.2	2.8
3481944	Drill Core	5.01	<0.005	<0.1	5.65	19	68	2	<0.1	1.26	<0.1	31	5.6	26	13.5	0.68	1.3	<0.05	0.24	16.9	2.0
3481945	Drill Core	5.21	<0.005	<0.1	6.09	21	76	1	<0.1	1.18	<0.1	45	7.9	29	11.5	0.72	1.6	<0.05	0.28	24.2	2.9
3481946	Drill Core	3.17	4.739	<0.1	6.29	79	73	3	0.4	0.57	<0.1	50	20.7	110	115.3	3.53	2.9	<0.05	0.27	26.4	4.4
3481947	Drill Core	2.84	0.257	<0.1	5.76	9	56	<1	0.1	0.49	<0.1	35	4.8	36	12.8	2.50	1.3	<0.05	0.15	18.4	2.7
3481948	Rock	0.20	0.012	<0.1	9.09	2	53	<1	<0.1	0.20	<0.1	2	0.2	2	3.4	0.32	0.5	<0.05	3.97	0.9	27.2
3481949	Drill Core	3.26	0.019	<0.1	6.07	6	58	1	<0.1	0.88	<0.1	47	3.9	29	14.4	2.44	1.3	<0.05	0.24	27.0	7.5
3481950	Drill Core	6.11	<0.005	<0.1	6.00	6	66	<1	<0.1	1.47	<0.1	46	2.6	21	4.3	0.65	1.3	<0.05	0.22	24.5	1.5
3481951	Drill Core	6.07	<0.005	<0.1	5.70	8	55	1	<0.1	2.70	<0.1	15	2.9	25	5.4	0.75	1.4	<0.05	0.16	7.9	1.7
3481952	Drill Core	6.35	<0.005	<0.1	5.86	11	72	2	<0.1	0.90	<0.1	23	4.1	22	10.6	0.70	1.4	<0.05	0.24	12.6	2.9
3481953	Drill Core	5.85	<0.005	<0.1	5.48	13	49	2	<0.1	0.85	<0.1	25	4.5	12	14.5	0.51	1.0	<0.05	0.15	13.2	1.4
3481954	Drill Core	5.51	<0.005	<0.1	6.21	25	62	<1	<0.1	1.22	<0.1	37	8.2	31	28.2	0.75	1.6	<0.05	0.23	20.3	4.8
3481955	Drill Core	5.70	0.021	<0.1	6.00	38	46	<1	<0.1	1.58	<0.1	24	13.1	24	29.1	0.70	1.4	<0.05	0.18	13.2	2.2
3481956	Drill Core	5.48	<0.005	<0.1	5.76	16	68	2	<0.1	0.99	<0.1	31	4.2	19	10.4	0.57	1.2	<0.05	0.19	17.5	1.5

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 16, 2019

CERTIFICATE OF ANALYSIS TIM19002037.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3481927	Rock	0.03	50	0.4	7.847	0.2	0.6	0.001	5.8	58.6	<0.005	<0.1	0.2	<1	<1	0.2	64	<0.1	<0.5	0.4	0.003
3481928	Drill Core	1.58	125	0.5	5.067	1.0	25.3	0.046	3.1	8.1	<0.005	<0.1	0.2	7	<1	1.7	95	0.1	<0.5	4.6	0.050
3481929	Drill Core	1.41	171	0.6	5.518	0.7	28.1	0.034	2.1	11.3	<0.005	0.2	0.2	6	<1	0.3	101	<0.1	<0.5	4.3	0.039
3481930	Drill Core	1.44	131	1.3	5.305	1.0	32.5	0.042	2.1	17.8	<0.005	0.1	0.2	8	<1	0.3	100	0.1	<0.5	5.6	0.055
3481931	Drill Core	1.14	106	0.5	4.988	0.9	34.6	0.033	1.6	8.2	<0.005	<0.1	<0.1	6	<1	0.1	107	0.1	<0.5	4.9	0.046
3481932	Drill Core	0.78	64	0.7	5.059	0.7	14.9	0.025	1.2	4.2	<0.005	<0.1	0.1	4	<1	0.1	79	<0.1	<0.5	3.4	0.034
3481933	Drill Core	1.02	167	0.7	5.281	0.6	12.1	0.030	1.1	5.1	<0.005	<0.1	0.2	6	<1	0.1	93	<0.1	<0.5	3.8	0.027
3481934	Drill Core	1.39	257	0.5	4.817	0.7	19.8	0.037	1.4	6.2	<0.005	0.1	0.2	6	<1	0.2	91	<0.1	0.6	3.5	0.033
3481935	Drill Core	3.83	553	1.2	3.495	0.8	10.8	0.030	3.9	6.0	<0.005	0.2	0.6	16	<1	1.3	77	0.1	1.7	3.4	0.040
3481936	Drill Core	1.02	186	0.4	5.210	0.8	13.7	0.030	1.4	4.0	<0.005	<0.1	0.2	5	<1	0.2	102	<0.1	<0.5	3.1	0.038
3481937	Drill Core	1.15	213	0.5	5.002	1.0	11.7	0.034	1.2	7.2	<0.005	<0.1	0.1	5	<1	0.3	104	0.1	<0.5	4.0	0.042
3481938	Drill Core	1.09	206	0.4	4.925	0.8	10.4	0.031	1.2	3.9	<0.005	<0.1	<0.1	5	<1	0.3	86	<0.1	<0.5	3.8	0.032
3481939	Drill Core	1.06	156	0.6	4.922	1.2	17.8	0.032	1.2	5.0	<0.005	<0.1	0.1	5	2	0.3	114	0.1	<0.5	3.7	0.049
3481940	Rock Pulp	4.20	770	5.5	1.194	1.9	218.5	0.026	38.1	27.1	<0.005	0.8	0.8	19	<1	0.5	90	0.1	4.9	2.1	0.247
3481941	Drill Core	1.46	249	0.3	4.818	1.1	22.9	0.045	1.4	9.2	<0.005	<0.1	0.2	6	<1	0.4	98	0.1	0.8	4.6	0.052
3481942	Drill Core	1.58	214	0.8	5.344	1.6	30.8	0.048	1.3	12.8	<0.005	<0.1	0.2	10	1	0.3	90	0.1	<0.5	6.5	0.088
3481943	Drill Core	1.16	224	0.6	4.905	0.5	12.7	0.026	1.0	7.3	<0.005	<0.1	0.1	6	<1	0.1	106	<0.1	<0.5	2.8	0.025
3481944	Drill Core	0.88	180	0.5	5.144	0.7	13.2	0.041	1.2	4.3	<0.005	<0.1	0.1	5	<1	0.1	92	<0.1	<0.5	3.6	0.031
3481945	Drill Core	0.98	155	0.6	5.024	1.1	14.2	0.040	1.1	8.4	<0.005	<0.1	0.1	5	<1	<0.1	104	0.1	<0.5	4.9	0.044
3481946	Drill Core	1.26	176	0.9	4.564	1.9	68.1	0.034	3.7	8.0	<0.005	0.8	0.4	8	1	0.3	91	0.2	<0.5	9.8	0.077
3481947	Drill Core	0.80	146	0.9	4.302	1.8	12.6	0.025	2.5	1.9	<0.005	0.2	0.2	5	1	0.2	88	0.2	<0.5	3.8	0.074
3481948	Rock	0.03	49	0.6	6.754	0.1	0.6	<0.001	6.0	58.9	<0.005	<0.1	0.2	<1	<1	0.2	67	<0.1	<0.5	0.4	0.002
3481949	Drill Core	1.37	198	0.7	4.126	0.8	9.4	0.025	1.6	4.1	<0.005	<0.1	0.2	8	<1	0.1	80	<0.1	<0.5	3.8	0.034
3481950	Drill Core	0.95	189	0.8	4.980	0.6	5.7	0.031	1.1	5.0	0.005	<0.1	<0.1	5	<1	0.1	93	<0.1	<0.5	4.1	0.026
3481951	Drill Core	1.48	265	0.4	4.717	0.7	6.3	0.026	1.2	3.3	<0.005	<0.1	0.1	9	<1	<0.1	88	<0.1	<0.5	3.7	0.025
3481952	Drill Core	0.85	131	0.5	4.735	0.7	11.9	0.030	1.5	5.1	<0.005	<0.1	0.2	4	1	<0.1	100	<0.1	<0.5	3.4	0.035
3481953	Drill Core	0.56	102	0.2	4.915	0.4	9.3	0.023	1.4	2.4	<0.005	<0.1	0.2	3	<1	<0.1	71	<0.1	<0.5	3.1	0.018
3481954	Drill Core	1.16	120	0.4	5.046	0.9	19.5	0.053	2.5	8.3	<0.005	<0.1	0.1	6	<1	0.2	116	<0.1	<0.5	4.8	0.038
3481955	Drill Core	0.99	141	0.4	4.908	0.5	21.6	0.029	2.2	4.9	<0.005	<0.1	0.2	4	<1	0.2	86	<0.1	<0.5	3.4	0.021
3481956	Drill Core	0.66	121	0.5	4.997	0.6	11.6	0.024	1.7	4.3	<0.005	<0.1	0.2	4	<1	0.1	91	<0.1	<0.5	4.5	0.025

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CERTIFICATE OF ANALYSIS TIM19002037.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA550
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3481927	Rock	0.6	0.2	<1	<0.1	2.3	9	21.8	
3481928	Drill Core	<0.5	1.8	43	0.5	5.9	6	84.1	
3481929	Drill Core	<0.5	1.6	38	0.6	6.5	4	62.7	
3481930	Drill Core	<0.5	1.8	51	0.4	6.8	5	81.8	
3481931	Drill Core	<0.5	1.5	34	0.3	4.5	4	86.3	
3481932	Drill Core	<0.5	0.6	28	0.3	2.8	4	53.2	
3481933	Drill Core	<0.5	1.0	23	0.3	5.9	3	62.5	
3481934	Drill Core	<0.5	1.7	24	0.7	7.1	4	52.7	
3481935	Drill Core	<0.5	1.2	58	1.4	17.4	16	44.6	
3481936	Drill Core	<0.5	1.0	29	0.5	4.5	4	55.5	
3481937	Drill Core	<0.5	0.9	29	0.6	6.2	3	53.7	
3481938	Drill Core	<0.5	0.9	28	0.6	5.8	4	59.3	
3481939	Drill Core	<0.5	0.9	30	0.7	5.2	3	62.3	
3481940	Rock Pulp	<0.5	0.5	132	13.0	10.4	86	47.8	11.7
3481941	Drill Core	<0.5	1.9	35	0.7	9.5	3	56.2	
3481942	Drill Core	<0.5	2.0	62	1.0	11.9	4	68.6	
3481943	Drill Core	<0.5	1.2	25	0.4	6.8	2	42.9	
3481944	Drill Core	<0.5	1.2	26	0.5	4.9	2	47.9	
3481945	Drill Core	<0.5	2.0	35	0.6	5.9	3	57.2	
3481946	Drill Core	<0.5	3.9	45	1.5	8.2	8	107.9	
3481947	Drill Core	<0.5	3.3	26	1.6	6.4	8	47.6	
3481948	Rock	0.6	0.3	<1	<0.1	2.2	7	22.2	
3481949	Drill Core	<0.5	2.0	30	0.9	8.9	9	46.6	
3481950	Drill Core	<0.5	1.5	22	0.5	7.0	2	50.2	
3481951	Drill Core	<0.5	0.9	29	0.5	8.1	2	47.4	
3481952	Drill Core	<0.5	0.9	25	0.4	3.8	3	49.1	
3481953	Drill Core	<0.5	1.0	14	0.5	3.5	1	37.3	
3481954	Drill Core	<0.5	1.5	33	0.4	6.4	4	54.7	
3481955	Drill Core	<0.5	1.4	20	0.4	5.8	3	50.7	
3481956	Drill Core	<0.5	1.1	21	0.4	4.5	3	46.4	

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Project: SPJ
Report Date: October 16, 2019

CERTIFICATE OF ANALYSIS TIM19002037.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3481957	Drill Core	6.02	<0.005	<0.1	5.61	7	53	<1	<0.1	1.36	<0.1	22	2.0	16	4.7	0.52	1.1	<0.05	0.16	11.8	1.2
3481958	Drill Core	6.16	0.019	<0.1	6.05	10	46	<1	<0.1	1.51	<0.1	47	5.4	28	9.2	0.64	1.6	<0.05	0.14	25.1	2.4
3481959	Drill Core	5.61	0.008	<0.1	5.87	12	49	<1	<0.1	1.36	<0.1	33	5.4	21	8.1	0.62	1.4	<0.05	0.18	18.1	2.1
3481960	Rock Pulp	0.07	5.380	1.0	6.42	27	227	<1	0.3	5.47	0.2	12	40.0	273	136.4	7.16	1.5	<0.05	0.48	5.7	18.1
3481961	Drill Core	6.02	0.005	<0.1	5.92	17	38	1	<0.1	1.61	<0.1	36	5.5	25	8.7	0.59	1.5	<0.05	0.15	19.7	2.1
3481962	Drill Core	5.36	<0.005	<0.1	6.08	16	46	3	<0.1	1.34	<0.1	29	6.5	31	17.9	0.83	2.0	<0.05	0.17	14.6	2.7
3481963	Drill Core	5.40	0.030	<0.1	6.49	11	44	1	<0.1	1.71	<0.1	44	4.4	41	8.0	0.74	2.4	<0.05	0.16	22.5	2.0
3481964	Drill Core	4.77	<0.005	<0.1	5.66	5	44	1	<0.1	1.02	<0.1	24	1.6	27	4.8	0.58	1.8	<0.05	0.14	11.7	1.0
3481965	Drill Core	4.73	<0.005	<0.1	5.69	9	27	3	<0.1	1.46	<0.1	36	6.3	21	9.0	0.98	1.3	<0.05	0.10	18.8	1.5
3481966	Drill Core	3.67	0.027	<0.1	6.39	27	43	1	<0.1	1.95	<0.1	31	9.8	25	35.7	0.95	1.5	<0.05	0.14	15.3	2.0
3481967	Drill Core	3.92	0.040	<0.1	5.96	11	45	2	<0.1	2.18	<0.1	41	5.1	24	6.2	0.92	1.6	<0.05	0.15	21.2	2.7
3481968	Drill Core	4.03	0.180	<0.1	6.16	7	27	<1	0.1	0.25	<0.1	37	9.0	76	8.4	5.15	2.6	<0.05	0.09	19.2	7.5
3481969	Drill Core	3.78	0.096	<0.1	5.78	5	36	1	<0.1	0.22	<0.1	34	6.6	50	9.4	3.86	1.9	<0.05	0.10	16.4	4.3
3481970	Drill Core	4.25	0.053	<0.1	6.54	3	26	1	<0.1	0.14	<0.1	21	8.7	43	3.5	6.61	1.4	<0.05	0.09	10.6	6.4
3481971	Drill Core	3.40	<0.005	<0.1	6.37	4	17	<1	<0.1	0.15	<0.1	20	10.4	39	3.7	8.25	1.4	<0.05	0.06	9.9	4.9
3481972	Drill Core	3.98	0.064	<0.1	6.77	3	35	3	<0.1	0.24	<0.1	32	6.9	46	4.8	5.03	1.6	<0.05	0.11	16.6	4.4
3481973	Drill Core	2.68	<0.005	<0.1	6.38	4	31	1	<0.1	0.27	<0.1	22	5.9	41	2.5	4.22	1.3	<0.05	0.09	12.3	2.5
3481974	Drill Core	3.54	0.255	<0.1	6.24	3	23	<1	<0.1	0.27	<0.1	24	6.9	35	9.7	5.61	1.5	<0.05	0.07	11.9	4.9
3481975	Drill Core	3.57	2.689	<0.1	6.33	8	12	1	<0.1	0.27	<0.1	21	11.1	63	8.3	8.83	1.9	<0.05	0.05	9.3	8.2
3481976	Rock	0.21	<0.005	<0.1	9.20	2	55	<1	<0.1	0.20	<0.1	3	0.2	2	3.5	0.31	0.4	<0.05	3.70	1.1	28.6
3481977	Drill Core	3.55	0.249	<0.1	6.80	4	17	<1	<0.1	0.27	<0.1	57	13.9	56	71.0	7.90	1.8	0.08	0.06	27.7	7.2
3481978	Drill Core	2.59	0.103	<0.1	5.95	4	34	<1	0.1	0.17	<0.1	40	9.9	58	138.7	5.14	1.9	<0.05	0.09	20.3	5.7
3481979	Drill Core	4.28	0.040	<0.1	5.73	4	34	<1	<0.1	0.32	<0.1	14	5.1	44	8.3	3.38	1.8	<0.05	0.12	6.7	4.5
3481980	Rock Pulp	0.07	1.564	0.2	7.06	813	360	<1	<0.1	5.44	<0.1	38	39.3	191	80.0	8.24	2.9	<0.05	0.64	20.9	8.3
3481981	Drill Core	4.22	0.117	<0.1	5.98	3	39	1	<0.1	0.42	<0.1	30	4.9	39	3.1	3.49	1.2	<0.05	0.17	15.9	5.3
3481982	Drill Core	4.35	<0.005	<0.1	6.30	6	53	2	<0.1	1.27	<0.1	22	1.7	29	4.4	1.05	1.5	<0.05	0.18	10.1	1.9
3481983	Drill Core	4.29	0.006	<0.1	6.32	6	31	2	<0.1	2.16	<0.1	21	3.0	16	4.5	1.07	0.9	<0.05	0.16	10.1	1.0
3481984	Drill Core	6.26	<0.005	<0.1	6.02	13	38	2	<0.1	2.73	<0.1	30	5.6	42	12.3	1.08	2.4	<0.05	0.16	13.1	2.1
3481985	Drill Core	5.26	0.013	<0.1	5.88	13	59	<1	<0.1	1.00	<0.1	35	6.8	26	16.6	0.75	1.4	<0.05	0.22	16.4	3.2
3481986	Drill Core	5.05	0.007	<0.1	5.89	6	55	<1	<0.1	2.10	<0.1	43	2.9	22	8.5	0.88	1.1	<0.05	0.23	23.0	1.8

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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3481957	Drill Core	0.77	147	0.3	4.818	0.4	4.8	0.026	1.3	4.7	<0.005	<0.1	0.1	4	<1	0.1	83	<0.1	<0.5	2.8	0.019
3481958	Drill Core	0.88	168	0.4	5.131	0.6	9.1	0.061	1.4	3.2	<0.005	<0.1	0.2	5	<1	0.2	83	<0.1	<0.5	4.3	0.025
3481959	Drill Core	0.89	151	0.9	5.095	0.7	9.5	0.034	1.1	4.7	<0.005	<0.1	0.2	5	1	<0.1	87	<0.1	<0.5	3.5	0.026
3481960	Rock Pulp	4.00	1285	3.2	1.909	3.2	117.4	0.044	17.4	14.4	<0.005	0.4	0.4	34	1	0.6	112	0.2	0.5	1.2	0.574
3481961	Drill Core	0.97	153	0.5	5.337	0.6	13.6	0.033	1.0	4.1	<0.005	<0.1	0.2	5	1	<0.1	78	<0.1	<0.5	3.9	0.023
3481962	Drill Core	0.96	146	0.6	5.301	0.8	14.6	0.039	1.3	5.0	<0.005	<0.1	0.2	5	<1	0.1	84	<0.1	<0.5	6.0	0.031
3481963	Drill Core	1.11	178	0.3	5.279	1.3	9.3	0.053	1.3	4.1	<0.005	<0.1	<0.1	6	<1	0.3	97	0.1	<0.5	7.4	0.054
3481964	Drill Core	0.62	117	0.3	5.205	0.8	6.6	0.060	1.2	3.0	<0.005	<0.1	<0.1	4	<1	<0.1	86	<0.1	<0.5	5.2	0.029
3481965	Drill Core	0.91	167	0.3	4.936	0.4	22.6	0.106	1.6	2.4	<0.005	<0.1	0.2	4	<1	<0.1	70	<0.1	<0.5	4.7	0.018
3481966	Drill Core	0.96	173	0.4	5.312	1.0	63.3	0.170	3.4	2.8	<0.005	0.1	0.3	4	<1	<0.1	96	<0.1	<0.5	6.8	0.036
3481967	Drill Core	1.33	196	0.2	4.859	0.7	10.6	0.033	1.4	3.9	<0.005	<0.1	0.1	7	<1	0.1	99	<0.1	<0.5	3.9	0.032
3481968	Drill Core	1.46	109	0.7	4.022	3.9	30.2	0.045	1.2	1.9	<0.005	<0.1	0.1	8	<1	<0.1	70	0.4	<0.5	7.2	0.160
3481969	Drill Core	0.93	84	0.5	4.101	2.7	17.1	0.035	1.6	1.8	<0.005	<0.1	0.1	5	1	<0.1	80	0.3	<0.5	4.9	0.115
3481970	Drill Core	1.41	123	0.4	3.426	2.4	14.1	0.024	1.1	1.9	<0.005	<0.1	<0.1	8	<1	<0.1	61	0.3	<0.5	4.3	0.105
3481971	Drill Core	1.77	149	0.5	2.624	2.5	16.0	0.021	1.2	1.0	<0.005	<0.1	0.1	8	<1	0.2	41	0.2	<0.5	4.2	0.095
3481972	Drill Core	1.14	117	0.3	4.326	2.5	9.5	0.028	1.5	1.9	<0.005	<0.1	0.2	7	<1	0.2	76	0.3	<0.5	4.8	0.104
3481973	Drill Core	1.00	107	0.2	4.225	2.3	8.5	0.027	1.4	1.3	<0.005	<0.1	0.1	6	<1	<0.1	69	0.3	<0.5	4.7	0.095
3481974	Drill Core	1.38	139	0.3	3.488	1.8	13.2	0.038	1.6	1.1	<0.005	<0.1	0.1	7	<1	0.1	60	0.2	<0.5	3.9	0.073
3481975	Drill Core	2.28	192	0.4	2.509	3.4	18.9	0.028	1.9	0.6	<0.005	<0.1	0.2	11	<1	0.1	41	0.3	<0.5	4.4	0.130
3481976	Rock	0.03	56	0.4	7.102	<0.1	0.5	0.002	6.0	56.6	<0.005	<0.1	0.2	<1	<1	0.3	70	<0.1	<0.5	0.4	0.002
3481977	Drill Core	2.30	166	0.6	2.971	2.8	20.2	0.036	6.2	0.8	<0.005	0.6	0.2	10	<1	<0.1	50	0.3	<0.5	5.1	0.114
3481978	Drill Core	1.51	111	0.6	3.683	2.2	20.4	0.039	4.4	1.7	<0.005	0.6	0.2	7	<1	0.1	79	0.2	<0.5	5.3	0.094
3481979	Drill Core	1.03	108	0.6	4.498	2.1	14.9	0.031	1.4	0.7	<0.005	<0.1	0.2	5	<1	<0.1	63	0.2	<0.5	3.5	0.087
3481980	Rock Pulp	3.62	1916	2.8	1.897	17.8	133.8	0.168	5.0	21.0	<0.005	0.7	2.4	18	1	1.8	361	1.1	<0.5	3.6	0.855
3481981	Drill Core	1.23	148	0.4	4.180	2.1	12.5	0.024	1.1	1.9	<0.005	<0.1	0.1	6	<1	<0.1	71	0.2	<0.5	3.5	0.086
3481982	Drill Core	0.90	187	0.3	5.895	1.2	7.0	0.020	1.3	1.6	<0.005	<0.1	0.1	5	<1	0.1	90	0.1	<0.5	3.6	0.050
3481983	Drill Core	1.26	232	0.3	5.215	0.5	7.0	0.023	1.2	1.8	<0.005	<0.1	0.2	5	<1	<0.1	75	<0.1	<0.5	2.4	0.021
3481984	Drill Core	1.62	253	0.3	4.932	1.1	12.4	0.035	1.5	2.9	<0.005	<0.1	0.2	9	<1	0.2	99	0.1	<0.5	6.1	0.038
3481985	Drill Core	0.89	106	0.4	5.050	0.7	15.4	0.025	1.6	4.4	<0.005	<0.1	0.2	5	<1	0.2	103	<0.1	<0.5	4.1	0.031
3481986	Drill Core	1.32	220	0.8	4.699	0.5	10.0	0.020	1.3	4.7	<0.005	<0.1	0.1	6	<1	<0.1	112	<0.1	1.0	3.3	0.024

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Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 16, 2019

CERTIFICATE OF ANALYSIS TIM19002037.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA550
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3481957	Drill Core	<0.5	1.1	15	0.5	5.4	1	42.7	
3481958	Drill Core	<0.5	1.4	22	0.7	6.5	4	54.4	
3481959	Drill Core	<0.5	1.0	21	0.4	6.1	2	52.7	
3481960	Rock Pulp	<0.5	0.3	271	5.3	19.3	91	54.1	
3481961	Drill Core	<0.5	1.2	17	0.3	6.4	2	52.9	
3481962	Drill Core	<0.5	3.6	22	0.6	6.9	3	76.3	
3481963	Drill Core	<0.5	2.7	31	1.4	9.6	2	89.9	
3481964	Drill Core	<0.5	1.7	19	0.7	5.7	2	64.7	
3481965	Drill Core	<0.5	1.8	19	0.8	7.6	2	50.6	
3481966	Drill Core	<0.5	3.1	21	1.4	10.2	1	51.9	
3481967	Drill Core	<0.5	1.4	24	0.9	7.1	2	53.0	
3481968	Drill Core	<0.5	3.0	47	3.2	7.1	4	97.9	
3481969	Drill Core	<0.5	1.6	29	2.7	4.9	3	68.1	
3481970	Drill Core	<0.5	1.7	35	3.8	3.6	6	52.3	
3481971	Drill Core	<0.5	2.3	43	3.7	2.7	6	46.6	
3481972	Drill Core	<0.5	2.6	32	3.4	4.4	5	55.3	
3481973	Drill Core	<0.5	1.9	29	4.1	3.4	5	50.7	
3481974	Drill Core	<0.5	1.6	30	4.1	3.4	6	50.4	
3481975	Drill Core	<0.5	3.8	58	3.8	3.5	9	65.0	
3481976	Rock	0.6	0.2	<1	<0.1	2.2	8	21.8	
3481977	Drill Core	<0.5	1.8	58	2.7	5.3	8	66.7	
3481978	Drill Core	<0.5	1.5	41	2.0	4.8	6	68.7	
3481979	Drill Core	<0.5	1.4	32	1.6	3.1	5	60.3	
3481980	Rock Pulp	<0.5	1.0	150	1.2	20.6	113	118.8	
3481981	Drill Core	<0.5	1.1	33	2.0	4.4	4	46.1	
3481982	Drill Core	<0.5	1.2	30	1.6	4.4	2	51.1	
3481983	Drill Core	<0.5	1.0	22	1.1	5.5	2	33.6	
3481984	Drill Core	<0.5	1.5	33	1.7	8.1	2	86.2	
3481985	Drill Core	<0.5	1.5	30	0.8	4.8	2	53.0	
3481986	Drill Core	<0.5	1.0	29	0.6	6.0	2	41.6	

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Project: SPJ
Report Date: October 16, 2019

CERTIFICATE OF ANALYSIS TIM19002037.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3481987	Drill Core	5.73	0.006	<0.1	6.12	9	53	<1	<0.1	1.34	<0.1	23	3.5	35	7.6	0.92	1.5	<0.05	0.34	11.5	3.6
3481988	Drill Core	5.01	<0.005	<0.1	5.79	6	44	<1	<0.1	1.63	<0.1	23	1.9	19	7.5	0.64	1.4	<0.05	0.27	11.8	0.9
3481989	Drill Core	6.21	0.013	<0.1	5.77	6	42	1	<0.1	2.61	<0.1	29	5.8	25	6.6	0.83	1.9	<0.05	0.22	14.5	1.8
3481990	Drill Core	6.31	<0.005	<0.1	5.80	9	46	2	<0.1	1.22	<0.1	46	5.5	33	5.4	0.64	1.8	<0.05	0.31	22.8	2.3
3481991	Drill Core	5.79	0.012	<0.1	4.80	7	34	2	<0.1	7.07	<0.1	47	7.7	29	3.8	1.54	1.0	<0.05	0.25	25.4	1.4
3481992	Drill Core	6.06	0.017	<0.1	5.63	4	34	1	<0.1	2.47	<0.1	19	2.5	23	4.8	0.65	1.3	<0.05	0.41	9.2	2.4
3481993	Drill Core	5.46	<0.005	<0.1	5.40	4	38	2	<0.1	2.29	<0.1	22	2.7	22	3.9	0.67	1.3	<0.05	0.64	10.6	1.7
3481994	Drill Core	6.08	<0.005	<0.1	5.66	6	31	2	<0.1	3.74	<0.1	38	2.7	26	9.0	0.87	1.2	<0.05	0.29	20.5	1.0
3481995	Drill Core	5.86	<0.005	<0.1	5.67	6	37	<1	<0.1	3.63	<0.1	32	3.2	21	8.0	0.87	1.1	<0.05	0.20	15.7	1.8
3481996	Drill Core	6.10	0.011	<0.1	6.08	11	37	3	<0.1	2.46	<0.1	25	7.1	37	11.4	0.97	1.8	<0.05	0.18	12.4	2.0
3481997	Drill Core	5.34	0.009	<0.1	5.38	9	37	2	<0.1	1.26	<0.1	28	3.8	29	6.7	0.58	1.7	<0.05	0.17	13.1	1.5
3481998	Rock Pulp	0.07	0.518	0.2	7.38	8	149	<1	<0.1	6.92	0.1	10	48.6	187	158.0	8.07	1.6	0.07	0.18	4.1	11.0
3481999	Drill Core	7.22	<0.005	<0.1	6.29	6	40	1	<0.1	2.12	<0.1	29	4.0	29	4.6	0.66	1.7	<0.05	0.16	14.4	1.9
3482000	Rock	0.20	<0.005	<0.1	9.50	3	57	<1	<0.1	0.20	<0.1	2	0.2	2	2.3	0.32	0.5	<0.05	3.69	0.8	27.7
3482001	Drill Core	5.01	<0.005	<0.1	5.72	21	37	3	<0.1	2.61	<0.1	46	11.0	29	8.5	0.74	1.8	<0.05	0.16	21.9	2.4
3482002	Drill Core	4.86	0.012	<0.1	6.20	16	38	2	<0.1	2.75	<0.1	40	9.4	26	5.8	0.79	1.9	<0.05	0.14	19.5	1.8
3482003	Drill Core	5.60	0.014	<0.1	5.45	16	45	<1	<0.1	0.97	<0.1	28	8.6	21	8.1	0.59	1.4	<0.05	0.14	13.1	2.4
3482004	Drill Core	6.03	<0.005	<0.1	6.07	20	43	2	<0.1	2.90	<0.1	35	10.3	30	12.1	0.79	1.6	<0.05	0.15	17.6	1.8
3482005	Drill Core	6.03	0.016	<0.1	5.56	10	32	2	<0.1	3.99	<0.1	28	5.1	29	7.0	0.97	1.5	<0.05	0.13	13.9	1.8
3482006	Drill Core	6.22	<0.005	<0.1	6.15	6	39	2	<0.1	2.97	<0.1	33	3.5	27	3.9	0.78	1.9	<0.05	0.14	16.3	1.8
3482007	Drill Core	6.14	0.006	<0.1	6.64	5	63	2	0.1	2.29	<0.1	65	3.6	24	4.5	0.81	1.4	<0.05	0.22	34.1	2.6
3482008	Drill Core	6.40	0.007	<0.1	6.17	4	31	2	<0.1	5.24	<0.1	57	2.9	26	4.5	1.22	1.5	<0.05	0.14	28.3	2.0
3482009	Drill Core	5.67	0.029	<0.1	6.10	4	25	1	<0.1	5.23	<0.1	48	7.5	27	3.6	1.20	1.5	0.05	0.12	25.6	0.8
3482010	Drill Core	6.22	0.017	<0.1	6.88	4	31	2	<0.1	4.04	<0.1	42	3.4	31	4.6	1.02	2.0	<0.05	0.12	22.1	1.1
3482011	Drill Core	5.50	0.035	<0.1	6.13	7	23	1	<0.1	3.23	<0.1	39	7.5	24	5.7	1.04	1.6	<0.05	0.21	21.4	3.2
3482012	Drill Core	4.57	0.009	<0.1	5.76	6	21	1	<0.1	5.00	<0.1	40	3.8	27	6.7	1.17	1.3	<0.05	0.08	21.0	1.4
3482013	Drill Core	4.81	0.016	<0.1	5.60	6	25	<1	<0.1	6.92	<0.1	34	4.5	26	3.7	1.51	1.0	0.06	0.12	17.8	1.9
3482014	Drill Core	4.93	0.009	<0.1	5.80	6	29	1	<0.1	5.63	<0.1	33	5.4	24	6.6	1.28	1.1	0.06	0.12	16.9	1.8
3482015	Drill Core	4.15	0.019	<0.1	6.08	30	52	<1	0.1	0.98	<0.1	60	12.3	57	34.5	1.11	2.5	<0.05	0.24	30.8	5.9

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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3481987	Drill Core	1.19	162	0.4	4.736	0.7	15.1	0.029	1.2	4.8	<0.005	<0.1	<0.1	6	<1	<0.1	104	<0.1	<0.5	3.8	0.029
3481988	Drill Core	1.00	165	0.3	4.767	0.5	7.2	0.027	0.9	3.4	<0.005	<0.1	<0.1	6	<1	0.1	84	<0.1	<0.5	3.5	0.020
3481989	Drill Core	1.43	245	0.3	4.889	1.0	8.9	0.044	1.2	2.9	<0.005	<0.1	0.2	7	<1	0.1	88	0.1	<0.5	4.8	0.035
3481990	Drill Core	0.90	127	0.5	5.036	1.0	11.5	0.034	1.2	3.8	<0.005	<0.1	0.1	5	<1	0.2	92	0.1	<0.5	5.1	0.040
3481991	Drill Core	3.54	507	0.2	3.575	0.3	11.4	0.028	1.1	4.0	<0.005	<0.1	<0.1	13	1	<0.1	114	<0.1	1.2	3.5	0.013
3481992	Drill Core	1.28	221	0.1	4.662	0.6	6.8	0.058	0.7	3.0	<0.005	<0.1	<0.1	7	<1	0.2	74	<0.1	<0.5	3.7	0.021
3481993	Drill Core	1.26	260	0.3	4.310	0.6	8.7	0.045	0.9	4.6	<0.005	<0.1	<0.1	6	<1	0.1	74	<0.1	0.7	3.9	0.024
3481994	Drill Core	1.92	313	0.3	4.543	0.9	5.6	0.055	1.0	3.6	<0.005	<0.1	0.2	11	1	0.2	86	<0.1	1.4	4.5	0.022
3481995	Drill Core	1.91	273	0.2	4.521	0.2	6.9	0.060	1.0	4.1	<0.005	<0.1	0.1	7	2	0.1	98	<0.1	<0.5	3.6	0.008
3481996	Drill Core	1.42	214	0.3	4.947	0.8	10.2	0.037	1.1	3.0	<0.005	<0.1	0.2	7	<1	0.3	86	<0.1	<0.5	4.8	0.028
3481997	Drill Core	0.83	114	0.5	4.810	0.7	9.4	0.031	1.0	1.9	<0.005	<0.1	0.1	4	<1	0.1	72	<0.1	<0.5	4.2	0.026
3481998	Rock Pulp	4.14	1475	0.8	2.122	3.5	97.8	0.043	3.1	3.7	<0.005	0.1	0.4	45	<1	0.6	115	0.2	2.0	0.5	0.656
3481999	Drill Core	1.23	176	0.3	4.997	0.5	7.7	0.036	1.1	3.3	<0.005	<0.1	0.2	7	<1	0.2	79	<0.1	<0.5	4.5	0.021
3482000	Rock	0.03	61	0.3	7.189	<0.1	0.6	0.001	6.5	59.4	<0.005	<0.1	0.2	<1	<1	0.2	66	<0.1	<0.5	0.5	0.002
3482001	Drill Core	1.49	189	0.1	4.921	1.0	13.0	0.044	1.4	3.7	<0.005	<0.1	0.2	7	<1	0.3	85	0.1	<0.5	5.1	0.037
3482002	Drill Core	1.46	208	0.3	5.256	0.9	9.9	0.040	1.2	3.1	<0.005	<0.1	0.2	8	<1	0.2	79	<0.1	<0.5	5.4	0.034
3482003	Drill Core	0.75	93	0.5	5.014	0.6	14.6	0.038	1.3	3.1	<0.005	<0.1	0.2	3	<1	<0.1	82	<0.1	<0.5	3.5	0.027
3482004	Drill Core	1.58	197	0.4	5.191	0.9	11.6	0.032	1.1	3.4	<0.005	<0.1	0.2	7	<1	0.3	79	0.1	<0.5	4.6	0.036
3482005	Drill Core	2.19	240	0.3	4.507	0.6	10.4	0.049	0.9	5.8	<0.005	<0.1	0.2	9	<1	0.2	81	<0.1	0.8	5.1	0.025
3482006	Drill Core	1.55	209	0.3	4.971	0.6	6.8	0.033	1.1	3.2	<0.005	<0.1	0.2	8	<1	0.2	77	<0.1	<0.5	5.3	0.021
3482007	Drill Core	1.39	167	0.3	5.756	0.8	11.2	0.034	1.7	5.6	<0.005	<0.1	0.2	6	<1	0.3	99	<0.1	<0.5	4.1	0.034
3482008	Drill Core	2.88	335	0.4	5.279	0.9	8.1	0.039	1.2	4.5	<0.005	<0.1	0.2	10	<1	0.2	91	<0.1	2.4	4.7	0.027
3482009	Drill Core	2.70	354	0.3	5.325	0.8	10.2	0.029	1.2	2.7	<0.005	<0.1	0.2	8	<1	0.3	77	<0.1	1.0	4.6	0.025
3482010	Drill Core	2.12	299	0.4	6.045	1.3	6.8	0.033	1.2	2.8	<0.005	<0.1	0.2	9	<1	0.2	87	0.1	1.2	5.8	0.044
3482011	Drill Core	1.89	368	0.5	4.945	1.1	12.9	0.056	2.0	3.0	<0.005	0.1	0.2	9	<1	0.2	90	0.1	0.5	3.9	0.043
3482012	Drill Core	2.64	343	0.5	4.889	0.8	10.5	0.066	1.3	1.8	<0.005	<0.1	0.2	11	<1	<0.1	115	<0.1	1.4	3.6	0.033
3482013	Drill Core	3.76	449	0.4	4.739	0.7	8.6	0.028	1.1	2.8	<0.005	<0.1	0.2	13	<1	0.1	117	<0.1	1.4	2.7	0.025
3482014	Drill Core	3.11	374	0.2	4.826	0.6	8.4	0.026	1.1	3.1	<0.005	<0.1	0.1	12	<1	0.2	110	<0.1	0.7	2.9	0.024
3482015	Drill Core	1.21	111	0.9	5.162	3.0	35.6	0.039	1.9	4.5	<0.005	0.4	0.3	8	<1	0.4	102	0.4	<0.5	9.2	0.090

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 16, 2019

CERTIFICATE OF ANALYSIS TIM19002037.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA550
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3481987	Drill Core	<0.5	1.2	31	0.5	5.3	3	49.6	
3481988	Drill Core	<0.5	0.9	21	0.8	5.4	1	50.0	
3481989	Drill Core	<0.5	0.9	32	1.9	7.1	2	68.5	
3481990	Drill Core	<0.5	1.2	26	1.5	4.6	2	61.7	
3481991	Drill Core	<0.5	1.2	54	1.0	11.7	2	33.3	
3481992	Drill Core	<0.5	0.9	24	1.3	6.1	<1	49.1	
3481993	Drill Core	<0.5	1.0	22	1.7	6.6	2	51.0	
3481994	Drill Core	<0.5	1.5	24	1.7	11.8	3	49.0	
3481995	Drill Core	<0.5	1.1	34	0.9	10.4	2	37.7	
3481996	Drill Core	<0.5	1.5	26	2.1	6.8	3	65.7	
3481997	Drill Core	<0.5	1.1	19	0.7	5.1	<1	59.6	
3481998	Rock Pulp	<0.5	0.1	316	1.0	21.9	87	62.5	
3481999	Drill Core	<0.5	2.0	20	1.1	6.7	2	54.4	
3482000	Rock	0.6	0.3	<1	<0.1	2.4	8	23.3	
3482001	Drill Core	<0.5	1.3	28	2.5	7.8	3	67.0	
3482002	Drill Core	<0.5	1.2	27	1.6	7.3	2	70.6	
3482003	Drill Core	<0.5	1.3	19	1.0	4.5	5	49.2	
3482004	Drill Core	<0.5	1.0	32	1.7	8.1	2	58.1	
3482005	Drill Core	<0.5	2.3	40	1.8	11.3	2	54.8	
3482006	Drill Core	<0.5	1.4	30	0.8	7.6	1	64.0	
3482007	Drill Core	<0.5	1.1	32	0.7	5.8	2	48.3	
3482008	Drill Core	<0.5	1.3	50	1.5	11.8	1	53.7	
3482009	Drill Core	<0.5	1.8	45	2.4	10.9	1	55.4	
3482010	Drill Core	<0.5	2.2	39	2.3	8.9	1	72.7	
3482011	Drill Core	<0.5	1.8	34	1.3	10.8	2	56.2	
3482012	Drill Core	<0.5	1.0	42	0.8	11.1	2	42.0	
3482013	Drill Core	<0.5	1.2	67	0.6	12.0	2	35.2	
3482014	Drill Core	<0.5	1.1	57	0.7	10.3	5	36.8	
3482015	Drill Core	<0.5	3.3	50	0.5	5.9	3	82.8	

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Project: SPJ
Report Date: October 16, 2019

QUALITY CONTROL REPORT TIM19002037.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
Pulp Duplicates																					
3481940	Rock Pulp	0.07	>10	2.0	5.23	62	227	<1	0.7	3.87	0.2	12	32.0	516	119.6	4.48	1.2	<0.05	0.70	6.6	33.0
REP 3481940	QC																				
3481941	Drill Core	5.92	0.008	<0.1	6.02	30	64	2	0.1	2.16	<0.1	30	10.1	30	52.2	0.99	1.4	<0.05	0.32	14.8	3.2
REP 3481941	QC			<0.1	5.93	26	63	1	0.1	2.15	<0.1	27	9.2	27	53.0	0.94	1.5	<0.05	0.30	13.6	3.6
3481946	Drill Core	3.17	4.739	<0.1	6.29	79	73	3	0.4	0.57	<0.1	50	20.7	110	115.3	3.53	2.9	<0.05	0.27	26.4	4.4
REP 3481946	QC																				
3481948	Rock	0.20	0.012	<0.1	9.09	2	53	<1	<0.1	0.20	<0.1	2	0.2	2	3.4	0.32	0.5	<0.05	3.97	0.9	27.2
REP 3481948	QC		0.014																		
REP 3481963	QC		0.027																		
3481976	Rock	0.21	<0.005	<0.1	9.20	2	55	<1	<0.1	0.20	<0.1	3	0.2	2	3.5	0.31	0.4	<0.05	3.70	1.1	28.6
REP 3481976	QC			<0.1	9.53	3	56	<1	<0.1	0.20	<0.1	2	0.2	2	3.9	0.32	0.4	<0.05	3.77	1.1	25.4
3482011	Drill Core	5.50	0.035	<0.1	6.13	7	23	1	<0.1	3.23	<0.1	39	7.5	24	5.7	1.04	1.6	<0.05	0.21	21.4	3.2
REP 3482011	QC			<0.1	6.12	7	22	1	<0.1	3.26	<0.1	40	7.4	26	5.5	1.03	1.6	<0.05	0.22	21.8	3.7
Core Reject Duplicates																					
3481929	Drill Core	4.81	<0.005	<0.1	6.17	56	85	1	0.1	1.49	<0.1	41	15.7	31	45.4	1.07	1.8	<0.05	0.33	20.6	3.9
DUP 3481929	QC		<0.005	<0.1	6.22	49	81	<1	<0.1	1.50	<0.1	41	12.5	33	43.0	1.09	1.8	<0.05	0.32	20.4	3.3
3481963	Drill Core	5.40	0.030	<0.1	6.49	11	44	1	<0.1	1.71	<0.1	44	4.4	41	8.0	0.74	2.4	<0.05	0.16	22.5	2.0
DUP 3481963	QC		0.042	<0.1	6.55	8	41	2	<0.1	1.82	<0.1	42	3.5	41	8.0	0.77	2.2	<0.05	0.15	20.7	2.2
3481997	Drill Core	5.34	0.009	<0.1	5.38	9	37	2	<0.1	1.26	<0.1	28	3.8	29	6.7	0.58	1.7	<0.05	0.17	13.1	1.5
DUP 3481997	QC		0.009	<0.1	5.42	7	37	1	<0.1	1.26	<0.1	29	3.5	27	7.2	0.52	1.8	<0.05	0.16	13.7	1.2
Reference Materials																					
STD OREAS25A-4A	Standard			<0.1	8.84	11	148	2	0.4	0.27	<0.1	47	8.3	111	34.7	6.45	4.3	<0.05	0.49	20.5	36.1
STD OREAS25A-4A	Standard			<0.1	9.17	10	153	<1	0.3	0.26	<0.1	47	7.6	120	34.8	6.50	4.2	0.05	0.48	22.1	35.6
STD OREAS25A-4A	Standard			<0.1	9.28	10	157	<1	0.3	0.30	<0.1	49	8.5	123	36.9	6.79	4.2	0.08	0.51	23.3	37.6
STD OREAS25A-4A	Standard			<0.1	9.04	11	148	1	0.5	0.27	<0.1	46	7.7	113	33.4	6.50	4.2	0.07	0.50	23.5	42.7
STD OREAS45H	Standard			0.1	8.26	18	355	2	0.1	0.13	<0.1	27	89.3	654	779.3	20.07	3.4	0.08	0.21	13.6	13.9
STD OREAS45H	Standard			0.1	8.22	20	349	<1	0.2	0.13	<0.1	26	88.9	619	756.4	20.64	3.4	0.08	0.21	14.4	14.6
STD OREAS45E	Standard			0.3	7.14	17	269	<1	0.2	0.06	<0.1	26	63.8	1061	796.6	24.91	3.2	0.12	0.36	12.8	7.3

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Project: SPJ
Report Date: October 16, 2019

QUALITY CONTROL REPORT TIM19002037.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
Pulp Duplicates																					
3481940	Rock Pulp	4.20	770	5.5	1.194	1.9	218.5	0.026	38.1	27.1	<0.005	0.8	0.8	19	<1	0.5	90	0.1	4.9	2.1	0.247
REP 3481940	QC																				
3481941	Drill Core	1.46	249	0.3	4.818	1.1	22.9	0.045	1.4	9.2	<0.005	<0.1	0.2	6	<1	0.4	98	0.1	0.8	4.6	0.052
REP 3481941	QC	1.46	227	0.2	4.678	1.0	21.0	0.042	1.4	8.2	<0.005	<0.1	0.2	6	<1	0.3	95	<0.1	1.0	4.2	0.047
3481946	Drill Core	1.26	176	0.9	4.564	1.9	68.1	0.034	3.7	8.0	<0.005	0.8	0.4	8	1	0.3	91	0.2	<0.5	9.8	0.077
REP 3481946	QC																				
3481948	Rock	0.03	49	0.6	6.754	0.1	0.6	<0.001	6.0	58.9	<0.005	<0.1	0.2	<1	<1	0.2	67	<0.1	<0.5	0.4	0.002
REP 3481948	QC																				
REP 3481963	QC																				
3481976	Rock	0.03	56	0.4	7.102	<0.1	0.5	0.002	6.0	56.6	<0.005	<0.1	0.2	<1	<1	0.3	70	<0.1	<0.5	0.4	0.002
REP 3481976	QC	0.03	54	0.5	7.046	0.1	0.6	0.001	6.1	58.2	<0.005	<0.1	0.2	<1	<1	0.2	67	<0.1	<0.5	0.4	0.002
3482011	Drill Core	1.89	368	0.5	4.945	1.1	12.9	0.056	2.0	3.0	<0.005	0.1	0.2	9	<1	0.2	90	0.1	0.5	3.9	0.043
REP 3482011	QC	1.89	377	0.6	4.939	1.0	13.3	0.052	2.0	2.9	<0.005	<0.1	0.2	8	<1	0.2	94	0.1	1.1	3.9	0.044
Core Reject Duplicates																					
3481929	Drill Core	1.41	171	0.6	5.518	0.7	28.1	0.034	2.1	11.3	<0.005	0.2	0.2	6	<1	0.3	101	<0.1	<0.5	4.3	0.039
DUP 3481929	QC	1.38	171	0.5	5.387	0.8	25.4	0.035	1.9	11.1	<0.005	0.2	0.3	6	<1	<0.1	101	<0.1	<0.5	4.1	0.038
3481963	Drill Core	1.11	178	0.3	5.279	1.3	9.3	0.053	1.3	4.1	<0.005	<0.1	<0.1	6	<1	0.3	97	0.1	<0.5	7.4	0.054
DUP 3481963	QC	1.16	189	0.2	5.391	1.2	9.2	0.051	1.2	4.1	<0.005	<0.1	<0.1	6	<1	0.3	97	0.1	0.5	6.9	0.053
3481997	Drill Core	0.83	114	0.5	4.810	0.7	9.4	0.031	1.0	1.9	<0.005	<0.1	0.1	4	<1	0.1	72	<0.1	<0.5	4.2	0.026
DUP 3481997	QC	0.82	104	0.4	4.781	0.5	8.4	0.030	1.1	2.0	<0.005	<0.1	0.1	4	<1	0.1	71	<0.1	<0.5	4.4	0.020
Reference Materials																					
STD OREAS25A-4A	Standard	0.32	500	2.5	0.128	19.7	45.5	0.047	26.1	56.7	<0.005	<0.1	0.6	12	2	3.9	48	1.4	<0.5	16.3	0.880
STD OREAS25A-4A	Standard	0.31	509	2.4	0.128	20.1	47.3	0.051	24.9	58.6	<0.005	<0.1	0.7	13	2	4.5	48	1.4	<0.5	16.9	0.899
STD OREAS25A-4A	Standard	0.31	508	2.6	0.110	21.0	48.9	0.050	25.2	61.4	<0.005	<0.1	0.6	14	2	4.3	47	1.4	<0.5	16.1	0.943
STD OREAS25A-4A	Standard	0.33	487	2.7	0.127	20.0	47.1	0.051	24.5	56.3	<0.005	<0.1	0.6	13	3	4.2	46	1.4	<0.5	17.0	0.935
STD OREAS45H	Standard	0.25	397	1.7	0.089	13.9	441.7	0.022	13.2	22.0	<0.005	<0.1	0.7	60	1	2.1	30	1.0	<0.5	8.6	0.866
STD OREAS45H	Standard	0.25	417	1.5	0.088	14.2	423.0	0.024	12.9	22.0	<0.005	<0.1	0.5	61	2	1.9	30	1.0	<0.5	8.4	0.862
STD OREAS45E	Standard	0.15	568	2.6	0.051	6.5	481.9	0.035	20.3	23.5	<0.005	<0.1	1.1	91	3	1.3	17	0.5	<0.5	14.3	0.545

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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA550
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
Pulp Duplicates									
3481940	Rock Pulp	<0.5	0.5	132	13.0	10.4	86	47.8	11.7
REP 3481940	QC								I.S.
3481941	Drill Core	<0.5	1.9	35	0.7	9.5	3	56.2	
REP 3481941	QC	<0.5	1.8	35	0.8	8.8	4	57.4	
3481946	Drill Core	<0.5	3.9	45	1.5	8.2	8	107.9	
REP 3481946	QC								3.2
3481948	Rock	0.6	0.3	<1	<0.1	2.2	7	22.2	
REP 3481948	QC								
REP 3481963	QC								
3481976	Rock	0.6	0.2	<1	<0.1	2.2	8	21.8	
REP 3481976	QC	0.6	0.2	<1	<0.1	2.1	10	23.3	
3482011	Drill Core	<0.5	1.8	34	1.3	10.8	2	56.2	
REP 3482011	QC	<0.5	1.9	34	1.3	10.0	2	54.9	
Core Reject Duplicates									
3481929	Drill Core	<0.5	1.6	38	0.6	6.5	4	62.7	
DUP 3481929	QC	<0.5	1.6	38	0.6	6.6	4	60.6	
3481963	Drill Core	<0.5	2.7	31	1.4	9.6	2	89.9	
DUP 3481963	QC	<0.5	2.6	32	1.4	9.3	2	78.4	
3481997	Drill Core	<0.5	1.1	19	0.7	5.1	<1	59.6	
DUP 3481997	QC	<0.5	1.2	18	0.6	5.1	3	61.2	
Reference Materials									
STD OREAS25A-4A	Standard	<0.5	3.0	152	2.0	10.3	46	157.1	
STD OREAS25A-4A	Standard	<0.5	3.0	150	1.9	9.9	46	157.7	
STD OREAS25A-4A	Standard	<0.5	2.9	161	2.0	10.9	50	159.1	
STD OREAS25A-4A	Standard	<0.5	3.0	152	1.9	10.6	47	145.3	
STD OREAS45H	Standard	<0.5	1.8	264	0.9	10.1	41	126.1	
STD OREAS45H	Standard	<0.5	1.8	269	0.9	10.0	42	124.1	
STD OREAS45E	Standard	<0.5	2.6	330	1.1	8.6	50	103.8	

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 16, 2019

QUALITY CONTROL REPORT TIM19002037.1

		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
STD OREAS45E	Standard			0.3	7.21	18	257	1	0.3	0.06	<0.1	25	59.2	996	804.6	25.97	2.9	0.08	0.35	12.3	8.6
STD OXC145	Standard		0.212																		
STD OXC145	Standard		0.209																		
STD OXC145	Standard		0.209																		
STD OXC145	Standard		0.217																		
STD OXC145	Standard		0.206																		
STD OXH139	Standard		1.290																		
STD OXH139	Standard		1.270																		
STD OXH139	Standard		1.305																		
STD OXH139	Standard		1.309																		
STD OXN134	Standard		7.552																		
STD OXN134	Standard		7.559																		
STD OXN134	Standard		7.612																		
STD OXN134	Standard		7.615																		
STD OXN134	Standard		7.599																		
STD OXP116	Standard																				
STD OXP116	Standard																				
STD OXP116	Standard																				
STD OXQ90	Standard																				
STD OXQ90	Standard																				
STD OXQ90	Standard																				
STD OXQ90	Standard																				
STD OXQ90	Standard																				
STD OXQ90	Standard																				
STD OREAS45H Expected				0.147	7.99	16.9	332	1.09	0.17	0.135		23.6	88	602	767	19.52	3.6	0.1	0.205	12.4	13.1
STD OREAS25A-4A Expected					8.87	9.94	147	0.93	0.37	0.301		47.3	7.7	115	33.9	6.6	4.14	0.09	0.482	21.8	36.7
STD OREAS45E Expected				0.311	6.78	16.3	252		0.28	0.065	0.06	23.5	57	979	780	24.12	3.11	0.099	0.324	11	6.58
STD OXC145 Expected			0.212																		
STD OXN134 Expected			7.667																		

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 16, 2019

QUALITY CONTROL REPORT TIM19002037.1

		MA200 Mg % 0.01	MA200 Mn ppm 1	MA200 Mo ppm 0.1	MA200 Na % 0.001	MA200 Nb ppm 0.1	MA200 Ni ppm 0.1	MA200 P % 0.001	MA200 Pb ppm 0.1	MA200 Rb ppm 0.1	MA200 Re ppm 0.005	MA200 S % 0.1	MA200 Sb ppm 0.1	MA200 Sc ppm 1	MA200 Se ppm 1	MA200 Sn ppm 0.1	MA200 Sr ppm 1	MA200 Ta ppm 0.1	MA200 Te ppm 0.5	MA200 Th ppm 0.1	MA200 Ti % 0.001
STD OREAS45E	Standard	0.16	572	2.3	0.060	6.0	474.3	0.034	18.9	21.7	<0.005	<0.1	1.0	93	2	1.3	17	0.5	<0.5	14.6	0.553
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXP116	Standard																				
STD OXP116	Standard																				
STD OXP116	Standard																				
STD OXQ90	Standard																				
STD OXQ90	Standard																				
STD OXQ90	Standard																				
STD OXQ90	Standard																				
STD OXQ90	Standard																				
STD OXQ90	Standard																				
STD OREAS45H Expected		0.238	380	1.55	0.09	14.8	423	0.023	11.9	22.5			0.63	57	2.02	1.93	27.1	1.08		7.26	0.878
STD OREAS25A-4A Expected		0.327	480	2.41	0.131	20.9	45.8	0.048	25.2	61		0.047	0.65	13.7	2.4	4.06	48.5	1.4		15.8	0.93
STD OREAS45E Expected		0.156	570	2.4	0.059	6.8	454	0.034	18.2	21.2		0.046	1	93	2.97	1.32	15.9	0.54	0.1	12.9	0.559
STD OXC145 Expected																					
STD OXN134 Expected																					

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 16, 2019

QUALITY CONTROL REPORT TIM19002037.1

		MA200 Tl ppm 0.5	MA200 U ppm 0.1	MA200 V ppm 1	MA200 W ppm 0.1	MA200 Y ppm 0.1	MA200 Zn ppm 1	MA200 Zr ppm 0.1	FA550 Au gm/t 0.9
STD OREAS45E	Standard	<0.5	2.6	334	1.0	8.1	48	95.1	
STD OXC145	Standard								
STD OXC145	Standard								
STD OXC145	Standard								
STD OXC145	Standard								
STD OXC145	Standard								
STD OXH139	Standard								
STD OXH139	Standard								
STD OXH139	Standard								
STD OXH139	Standard								
STD OXN134	Standard								
STD OXN134	Standard								
STD OXN134	Standard								
STD OXN134	Standard								
STD OXN134	Standard								
STD OXP116	Standard								15.2
STD OXP116	Standard								15.2
STD OXP116	Standard								15.3
STD OXQ90	Standard								25.1
STD OXQ90	Standard								25.2
STD OXQ90	Standard								25.2
STD OXQ90	Standard								25.3
STD OXQ90	Standard								25.5
STD OXQ90	Standard								25.6
STD OREAS45H Expected			1.68	263	0.99	10.4	39.7	131	
STD OREAS25A-4A Expected		0.35	2.94	157	2	10.5	44.4	155	
STD OREAS45E Expected		0.15	2.41	322	1.07	8.28	46.7	97	
STD OXC145 Expected									
STD OXN134 Expected									

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 16, 2019

QUALITY CONTROL REPORT TIM19002037.1

		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
STD OXH139 Expected			1.312																		
STD OXP116 Expected																					
STD OXQ90 Expected																					
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank																				
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	<0.01	1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	0.2
BLK	Blank			<0.1	<0.01	2	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	0.3
BLK	Blank																				
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank																				
Prep Wash																					
ROCK-TIM	Prep Blank		<0.005	<0.1	6.66	3	811	1	<0.1	1.65	<0.1	25	4.2	7	4.4	2.19	1.7	<0.05	1.59	11.7	2.8
ROCK-TIM	Prep Blank		<0.005	<0.1	6.69	2	783	<1	<0.1	1.58	<0.1	25	4.3	8	3.8	2.13	1.9	<0.05	1.50	12.7	2.7

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 16, 2019

QUALITY CONTROL REPORT TIM19002037.1

		MA200 Mg % 0.01	MA200 Mn ppm 1	MA200 Mo ppm 0.1	MA200 Na % 0.001	MA200 Nb ppm 0.1	MA200 Ni ppm 0.1	MA200 P % 0.001	MA200 Pb ppm 0.1	MA200 Rb ppm 0.1	MA200 Re ppm 0.005	MA200 S % 0.1	MA200 Sb ppm 0.1	MA200 Sc ppm 1	MA200 Se ppm 1	MA200 Sn ppm 0.1	MA200 Sr ppm 1	MA200 Ta ppm 0.1	MA200 Te ppm 0.5	MA200 Th ppm 0.1	MA200 Ti % 0.001
STD OXH139 Expected																					
STD OXP116 Expected																					
STD OXQ90 Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<1	<0.1	0.002	<0.1	0.1	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.005	<0.1	0.2	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.001	<0.1	0.2	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	0.002
BLK	Blank	<0.01	<1	<0.1	0.004	<0.1	0.2	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-TIM	Prep Blank	0.59	708	1.2	3.424	5.9	2.1	0.045	4.1	29.2	<0.005	<0.1	0.2	7	<1	0.7	211	0.4	<0.5	2.9	0.221
ROCK-TIM	Prep Blank	0.59	684	1.4	3.465	5.6	2.8	0.043	3.7	28.8	<0.005	<0.1	0.2	7	<1	0.8	208	0.4	<0.5	3.1	0.211

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 16, 2019

QUALITY CONTROL REPORT TIM19002037.1

		MA200 Tl ppm 0.5	MA200 U ppm 0.1	MA200 V ppm 1	MA200 W ppm 0.1	MA200 Y ppm 0.1	MA200 Zn ppm 1	MA200 Zr ppm 0.1	FA550 Au gm/t 0.9
STD OXH139 Expected									
STD OXP116 Expected									14.92
STD OXQ90 Expected									24.88
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								<0.9
BLK	Blank								
BLK	Blank								
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1	
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1	
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1	
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1	
BLK	Blank								<0.9
BLK	Blank								
BLK	Blank								
BLK	Blank								<0.9
Prep Wash									
ROCK-TIM	Prep Blank	<0.5	1.2	36	0.3	16.8	43	53.2	
ROCK-TIM	Prep Blank	<0.5	1.3	35	0.3	17.0	41	53.5	

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By: Quentin Yarie
Receiving Lab: Canada-Timmins
Received: September 10, 2019
Report Date: September 26, 2019

CERTIFICATE OF ANALYSIS TIM19002037M.1

CLIENT JOB INFORMATION

Project: SPJ
Shipment ID:
P.O. Number
Number of Samples: 2

SAMPLE DISPOSAL

RTRN-PLP Return After 90 days
RTRN-RJT Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PUL85	2	Pulverize to 85% passing 200 mesh			TIM
SPTRF	2	Split samples by riffle splitter			TIM
FS652	2	Metallic Sieve 1 kg to 150 mesh - save + and - fraction			TIM
FS652	2	Metallic Fire Assay - duplicate minus fraction analysis	50	Completed	TIM
EN002	2	Environmental disposal charge-Fire assay lead waste			TIM

ADDITIONAL COMMENTS

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
Marcus Lau
MARCUS LAU
Production Manager

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All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: September 26, 2019

CERTIFICATE OF ANALYSIS TIM19002037M.1

	Method	M150 1kg	FA450	FA450	FS652	FS652	FS652
	Analyte	TotWt	-Au	-Au + Au Wt		+ Au	Au Total
	Unit	g	gm/t	gm/t	g	gm/t	gm/t
	MDL	1	0.005	0.005	0.01	0.05	0.05
3481946	Drill Core	1085	39.59	37.89	27.40	112.34	40.6
3481975	Drill Core	1095	12.49	12.57	28.62	113.07	15.16

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: September 26, 2019

QUALITY CONTROL REPORT TIM19002037M.1

	Method	M150 1kg	FA450	FA450	FS652	FS652	FS652
	Analyte	TotWt	-Au	-Au	+ Au Wt	+ Au	Au Total
	Unit	g	gm/t	gm/t	g	gm/t	gm/t
	MDL	1	0.005	0.005	0.01	0.05	0.05
Reference Materials							
STD OXC145	Standard			0.219			
STD OXC145	Standard		0.206				
STD OXH139	Standard			1.310			
STD OXH139	Standard		1.309				
STD OXN134	Standard			7.417			
STD OXN134	Standard		7.599				
STD OXQ90	Standard				50.34	25.11	
STD OXQ90 Expected						24.88	
BLK	Blank				50.00	<0.05	
BLK	Blank			0.005			
BLK	Blank			<0.005			
BLK	Blank		<0.005				
BLK	Blank		<0.005				
Prep Wash							
ROCK-TIM	Prep Blank	1095	0.006	<0.005	28.08	<0.05	<0.05

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By: Nicholas Wray
Receiving Lab: Canada-Timmins
Received: October 10, 2019
Report Date: October 31, 2019

CERTIFICATE OF ANALYSIS TIM19002273.1

CLIENT JOB INFORMATION

Project: SPJ
Shipment ID:
P.O. Number
Number of Samples: 101

SAMPLE DISPOSAL

RTRN-PLP Return After 90 days
RTRN-RJT Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP85-500	96	Crush split and pulverize 250g of sample to 200mesh			TIM
SHP01	101	Per sample shipping charges for branch shipments			TIM
SLBHP	5	Sort, label and box pulps			TIM
FA450	101	50g Lead Collection Fire Assay Fusion - AAS Finish	50	Completed	TIM
EN002	101	Environmental disposal charge-Fire assay lead waste			TIM
MA200	101	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
EN001-MA	101	Environmental disposal fee - Multi-acid neutralization			VAN

ADDITIONAL COMMENTS

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC: Quentin Yarie

MAY LAI
Data Validation Specialist

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All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 31, 2019

CERTIFICATE OF ANALYSIS TIM19002273.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3482016	Drill Core	5.63	<0.005	<0.1	6.82	106	78	<1	<0.1	1.74	<0.1	29	23.2	37	22.4	0.85	2.1	<0.05	0.25	16.0	3.6
3482017	Drill Core	5.55	<0.005	<0.1	6.86	37	78	<1	<0.1	1.94	<0.1	36	14.7	30	17.5	0.76	1.9	<0.05	0.19	20.1	2.3
3482018	Drill Core	5.56	0.012	<0.1	6.66	205	67	<1	0.5	1.73	<0.1	41	41.1	31	229.0	1.18	1.5	<0.05	0.19	23.9	2.6
3482019	Drill Core	5.63	<0.005	<0.1	5.95	113	55	<1	<0.1	2.16	<0.1	27	11.3	33	16.7	0.72	1.8	<0.05	0.17	14.6	2.4
3482020	Rock Pulp	0.07	0.523	0.2	7.95	5	156	<1	<0.1	7.07	0.2	10	52.7	188	165.7	8.15	1.6	0.07	0.20	4.1	12.5
3482021	Drill Core	5.17	0.007	<0.1	6.63	98	86	1	0.5	1.15	<0.1	36	53.3	51	61.5	1.62	2.1	<0.05	0.38	16.4	4.7
3482022	Drill Core	5.55	<0.005	<0.1	6.00	38	77	<1	<0.1	0.94	<0.1	32	12.4	51	68.9	1.21	3.0	<0.05	0.33	13.5	5.0
3482023	Drill Core	5.38	<0.005	<0.1	6.13	11	95	2	<0.1	0.93	<0.1	25	10.1	50	23.1	1.00	2.8	<0.05	0.44	10.4	4.9
3482024	Drill Core	4.70	<0.005	<0.1	6.30	9	94	1	<0.1	1.01	<0.1	18	9.9	33	16.4	0.75	1.7	<0.05	0.33	7.7	3.3
3482025	Rock	0.20	<0.005	<0.1	10.33	<1	52	<1	<0.1	0.23	0.1	2	<0.2	1	2.3	0.39	0.3	<0.05	3.79	0.9	25.2
3482026	Drill Core	5.54	<0.005	<0.1	6.03	5	117	1	<0.1	0.68	<0.1	36	3.7	24	6.7	0.68	1.3	<0.05	0.34	18.1	3.6
3482027	Drill Core	6.14	<0.005	<0.1	5.85	6	107	<1	<0.1	0.86	<0.1	19	6.5	40	12.1	0.74	2.1	<0.05	0.42	8.3	5.4
3482028	Drill Core	5.48	<0.005	<0.1	5.93	4	110	1	<0.1	0.63	<0.1	15	4.6	35	7.1	0.77	2.2	<0.05	0.45	6.5	4.3
3482029	Drill Core	5.63	<0.005	<0.1	6.13	5	117	1	<0.1	0.30	<0.1	32	4.8	48	10.5	0.83	2.2	<0.05	0.42	15.4	5.8
3482030	Drill Core	6.57	<0.005	<0.1	6.20	6	139	2	<0.1	0.35	<0.1	25	5.9	40	18.6	0.84	2.0	<0.05	0.49	11.9	6.8
3482031	Drill Core	5.04	<0.005	<0.1	6.46	12	135	2	<0.1	0.64	<0.1	25	8.8	31	13.3	0.78	1.6	<0.05	0.46	13.0	5.5
3482032	Drill Core	4.32	<0.005	<0.1	5.72	6	102	1	<0.1	0.67	<0.1	15	5.0	36	11.4	0.80	1.9	<0.05	0.42	7.2	5.8
3482033	Drill Core	4.71	<0.005	<0.1	5.92	8	160	1	<0.1	0.30	<0.1	20	5.1	30	6.0	0.70	1.6	<0.05	0.47	9.5	6.0
3482034	Drill Core	5.73	<0.005	<0.1	5.25	9	132	2	<0.1	0.29	<0.1	23	5.3	33	11.0	0.69	1.5	<0.05	0.42	11.2	5.1
3482035	Drill Core	5.10	<0.005	<0.1	5.96	4	161	1	<0.1	0.26	<0.1	9	3.6	37	4.5	0.69	1.8	<0.05	0.46	4.2	6.5
3482036	Drill Core	6.00	<0.005	<0.1	5.66	3	123	1	<0.1	0.34	<0.1	10	5.0	27	2.9	0.60	1.3	<0.05	0.37	5.0	5.4
3482037	Drill Core	5.29	<0.005	<0.1	5.60	5	154	2	<0.1	0.32	<0.1	10	7.2	31	2.8	0.69	1.7	<0.05	0.47	4.9	5.4
3482038	Drill Core	5.46	<0.005	<0.1	6.03	13	136	1	<0.1	0.57	<0.1	18	12.0	50	8.0	0.87	2.9	<0.05	0.47	8.6	5.8
3482039	Drill Core	5.83	<0.005	<0.1	5.91	6	121	2	<0.1	0.63	0.4	17	4.9	38	15.9	0.73	2.4	<0.05	0.44	7.9	5.3
3482040	Rock Pulp	0.07	5.309	0.9	6.68	23	216	<1	0.2	5.56	0.1	12	43.5	268	139.4	7.20	1.6	<0.05	0.47	5.3	17.6
3482041	Drill Core	4.78	<0.005	<0.1	5.63	3	94	2	<0.1	0.87	<0.1	45	3.6	31	7.8	0.60	1.9	<0.05	0.32	22.1	4.8
3482042	Drill Core	5.64	<0.005	<0.1	5.29	5	134	2	<0.1	0.42	<0.1	13	5.1	40	13.7	0.78	1.9	<0.05	0.47	6.1	5.0
3482043	Drill Core	5.43	<0.005	<0.1	5.50	6	131	1	<0.1	0.38	<0.1	19	4.4	29	5.5	0.65	1.4	<0.05	0.43	8.8	5.7
3482044	Drill Core	6.37	<0.005	<0.1	5.98	16	121	2	<0.1	0.62	<0.1	21	11.3	55	26.0	0.90	2.8	<0.05	0.46	9.5	6.5
3482045	Drill Core	5.01	<0.005	<0.1	5.39	3	112	2	<0.1	0.37	<0.1	11	2.7	33	5.0	0.71	1.9	<0.05	0.41	4.9	5.3

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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3482016	Drill Core	1.38	118	0.3	5.621	0.8	24.7	0.042	4.4	11.5	<0.005	0.1	0.3	7	1	0.2	80	<0.1	<0.5	4.4	0.038
3482017	Drill Core	1.35	131	0.4	5.774	0.8	14.5	0.043	3.2	7.0	<0.005	<0.1	0.1	6	<1	0.2	89	<0.1	<0.5	4.7	0.035
3482018	Drill Core	1.21	122	0.5	5.578	0.5	91.9	0.072	8.8	7.1	<0.005	0.6	0.4	5	<1	0.3	82	<0.1	0.7	4.3	0.026
3482019	Drill Core	1.44	131	0.4	5.158	0.7	84.1	0.039	2.7	4.7	<0.005	<0.1	0.2	6	<1	<0.1	80	<0.1	0.5	3.6	0.031
3482020	Rock Pulp	4.53	1482	0.5	2.429	3.6	109.5	0.043	3.1	3.8	<0.005	0.2	0.5	44	<1	0.6	119	0.2	1.9	0.4	0.715
3482021	Drill Core	1.48	98	0.9	5.529	1.1	210.4	0.057	4.2	20.0	<0.005	0.8	0.3	6	<1	0.2	93	0.1	<0.5	5.1	0.060
3482022	Drill Core	1.56	79	0.6	5.435	1.2	207.4	0.058	9.4	7.2	<0.005	0.3	0.2	7	<1	0.2	76	0.1	<0.5	6.3	0.061
3482023	Drill Core	1.51	58	0.5	5.512	1.5	49.8	0.050	2.0	10.5	<0.005	0.2	0.2	6	<1	0.3	101	0.1	<0.5	5.5	0.088
3482024	Drill Core	1.16	56	0.4	5.435	1.2	24.3	0.029	2.0	8.4	<0.005	<0.1	0.2	5	<1	0.2	106	0.1	<0.5	4.6	0.072
3482025	Rock	0.03	60	0.4	8.445	0.1	0.4	0.001	5.4	55.5	<0.005	<0.1	0.1	<1	<1	0.1	63	<0.1	<0.5	0.3	0.002
3482026	Drill Core	1.01	47	0.4	5.632	0.7	16.6	0.024	1.8	5.5	<0.005	<0.1	0.2	5	<1	0.1	106	0.1	<0.5	2.8	0.053
3482027	Drill Core	1.35	54	0.5	5.340	1.6	27.5	0.034	2.0	8.5	<0.005	<0.1	0.1	6	<1	0.2	103	0.2	<0.5	4.8	0.085
3482028	Drill Core	1.42	51	0.8	6.008	1.0	18.3	0.040	1.6	6.5	<0.005	<0.1	0.1	6	<1	0.2	95	0.1	<0.5	3.8	0.074
3482029	Drill Core	1.61	40	0.5	5.737	1.0	29.9	0.060	11.1	10.7	<0.005	<0.1	0.2	8	<1	0.1	117	0.1	<0.5	5.0	0.069
3482030	Drill Core	1.38	42	0.5	5.721	1.0	25.8	0.038	3.3	10.9	<0.005	<0.1	0.1	7	<1	0.2	94	0.1	<0.5	3.8	0.070
3482031	Drill Core	1.26	44	0.9	5.373	0.8	28.0	0.033	3.4	15.8	<0.005	0.1	0.2	5	<1	<0.1	119	<0.1	<0.5	4.5	0.051
3482032	Drill Core	1.37	56	0.3	5.621	0.8	27.1	0.032	1.7	7.3	<0.005	<0.1	0.2	5	<1	<0.1	105	<0.1	<0.5	3.5	0.055
3482033	Drill Core	1.23	35	0.6	5.787	1.1	20.7	0.029	1.8	8.4	<0.005	<0.1	0.1	5	<1	<0.1	103	0.1	<0.5	3.0	0.067
3482034	Drill Core	1.17	36	0.4	5.345	0.9	20.5	0.025	2.2	9.5	<0.005	<0.1	0.3	4	<1	<0.1	97	<0.1	<0.5	3.6	0.054
3482035	Drill Core	1.39	38	0.3	5.789	1.1	18.7	0.034	1.5	8.2	<0.005	<0.1	0.1	7	<1	<0.1	111	0.1	<0.5	3.8	0.062
3482036	Drill Core	1.19	36	0.2	5.569	0.8	14.5	0.024	1.3	6.6	<0.005	<0.1	0.2	4	<1	<0.1	93	<0.1	<0.5	2.8	0.047
3482037	Drill Core	1.26	42	0.3	5.583	0.9	17.1	0.028	1.4	7.6	<0.005	<0.1	0.2	6	<1	<0.1	106	<0.1	<0.5	3.4	0.053
3482038	Drill Core	1.46	50	0.4	5.702	0.9	29.9	0.035	3.0	10.4	<0.005	0.2	0.5	6	<1	<0.1	116	0.1	<0.5	4.9	0.054
3482039	Drill Core	1.28	37	0.9	5.436	1.3	29.2	0.044	39.6	9.6	<0.005	0.1	0.2	6	<1	<0.1	104	0.2	<0.5	4.4	0.064
3482040	Rock Pulp	4.21	1234	3.1	2.029	3.1	126.5	0.045	17.2	14.3	<0.005	0.4	0.4	33	1	0.5	107	0.2	1.1	1.1	0.593
3482041	Drill Core	1.25	48	0.4	5.472	0.7	22.3	0.037	2.3	4.8	<0.005	<0.1	0.2	5	<1	<0.1	110	<0.1	<0.5	3.6	0.044
3482042	Drill Core	1.31	36	0.2	5.402	1.5	21.3	0.040	2.5	10.4	<0.005	<0.1	0.2	6	<1	<0.1	95	0.2	<0.5	4.8	0.072
3482043	Drill Core	1.18	36	0.3	5.494	0.8	18.5	0.028	1.7	9.3	<0.005	<0.1	0.2	5	<1	<0.1	104	<0.1	<0.5	3.2	0.048
3482044	Drill Core	1.50	49	0.9	5.641	1.2	39.7	0.041	3.6	9.8	<0.005	0.2	0.2	8	<1	0.1	101	0.1	<0.5	5.5	0.070
3482045	Drill Core	1.24	38	0.6	5.663	0.8	15.4	0.037	1.5	7.3	<0.005	<0.1	0.1	5	<1	<0.1	88	<0.1	<0.5	2.8	0.052

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	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3482016	Drill Core	<0.5	1.4	36	0.7	5.7	12	75.7
3482017	Drill Core	<0.5	2.1	34	0.7	6.7	15	71.6
3482018	Drill Core	<0.5	2.7	22	0.7	7.2	10	52.8
3482019	Drill Core	<0.5	2.5	24	0.7	6.4	23	66.5
3482020	Rock Pulp	<0.5	0.1	328	1.2	22.6	93	50.5
3482021	Drill Core	<0.5	1.8	41	0.4	9.4	4	80.4
3482022	Drill Core	<0.5	1.5	48	0.3	7.3	39	110.6
3482023	Drill Core	<0.5	1.2	44	0.2	8.6	4	105.8
3482024	Drill Core	<0.5	0.8	32	0.1	5.7	4	55.1
3482025	Rock	0.6	0.2	<1	<0.1	2.5	7	20.1
3482026	Drill Core	<0.5	0.6	29	<0.1	5.4	4	44.5
3482027	Drill Core	<0.5	1.0	36	0.1	5.5	4	76.3
3482028	Drill Core	<0.5	0.6	44	<0.1	5.4	4	82.5
3482029	Drill Core	<0.5	0.7	48	0.1	6.7	31	79.6
3482030	Drill Core	<0.5	0.8	49	0.1	5.4	4	69.3
3482031	Drill Core	<0.5	1.1	35	0.2	5.3	4	57.9
3482032	Drill Core	<0.5	0.6	34	0.1	4.3	5	65.5
3482033	Drill Core	<0.5	0.5	41	<0.1	3.8	4	53.3
3482034	Drill Core	<0.5	0.5	32	<0.1	4.1	4	56.6
3482035	Drill Core	<0.5	0.5	42	<0.1	4.2	4	67.7
3482036	Drill Core	<0.5	0.4	32	<0.1	3.5	4	44.4
3482037	Drill Core	<0.5	0.6	38	0.1	4.0	3	61.8
3482038	Drill Core	<0.5	0.8	38	<0.1	5.7	6	99.5
3482039	Drill Core	<0.5	0.9	41	0.1	6.1	75	89.3
3482040	Rock Pulp	<0.5	0.3	271	5.6	18.8	89	65.1
3482041	Drill Core	<0.5	0.5	31	<0.1	6.7	3	69.5
3482042	Drill Core	<0.5	0.6	43	<0.1	4.5	3	69.7
3482043	Drill Core	<0.5	0.5	33	0.3	4.1	4	53.0
3482044	Drill Core	<0.5	1.1	53	0.2	6.4	5	98.2
3482045	Drill Core	<0.5	0.5	40	0.1	4.5	3	73.0

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	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3482046	Drill Core	5.10	<0.005	<0.1	5.54	4	123	2	<0.1	0.24	<0.1	10	3.1	24	4.7	0.62	1.5	<0.05	0.35	4.8	4.8
3482047	Drill Core	5.74	<0.005	<0.1	5.06	6	114	2	<0.1	0.33	<0.1	21	3.6	30	6.1	0.74	1.7	<0.05	0.41	9.7	6.4
3482048	Drill Core	5.52	<0.005	<0.1	5.25	7	105	2	<0.1	0.44	<0.1	21	3.7	28	6.8	0.70	1.7	<0.05	0.37	9.9	5.2
3482049	Drill Core	6.08	<0.005	<0.1	4.69	7	73	2	<0.1	0.94	<0.1	18	3.4	34	8.9	0.71	1.7	0.09	0.25	7.9	4.3
3482050	Rock	0.20	<0.005	<0.1	7.46	<1	35	<1	0.6	0.18	<0.1	1	0.2	1	4.1	0.41	0.5	<0.05	4.18	0.5	23.9
3482051	Drill Core	5.81	<0.005	<0.1	4.23	7	91	1	<0.1	0.57	0.1	26	3.5	26	8.4	0.67	1.2	<0.05	0.29	12.2	4.6
3482052	Drill Core	5.29	<0.005	<0.1	4.47	13	85	2	<0.1	0.60	<0.1	21	3.2	26	9.8	0.74	1.2	<0.05	0.27	10.0	4.2
3482053	Drill Core	5.34	0.005	<0.1	4.44	198	71	1	<0.1	0.74	<0.1	12	24.7	29	209.7	0.97	1.3	<0.05	0.21	5.0	3.0
3482054	Drill Core	5.42	0.015	<0.1	4.80	278	59	1	0.2	1.25	<0.1	24	61.9	32	355.1	1.19	1.3	<0.05	0.13	11.2	1.8
3482055	Drill Core	5.43	<0.005	<0.1	5.50	87	81	1	0.1	1.09	<0.1	22	30.6	30	67.9	0.82	1.5	<0.05	0.22	11.2	2.7
3482056	Drill Core	5.25	<0.005	<0.1	7.56	59	88	2	<0.1	1.33	<0.1	23	20.4	35	89.5	0.74	1.7	<0.05	0.22	11.4	2.5
3482057	Drill Core	6.08	<0.005	<0.1	5.30	58	67	2	<0.1	1.42	<0.1	25	13.1	29	32.7	0.65	1.4	<0.05	0.16	11.1	2.6
3482058	Drill Core	5.84	0.014	<0.1	5.09	237	54	1	<0.1	1.49	<0.1	22	63.7	34	616.6	1.08	1.5	<0.05	0.13	10.2	2.0
3482059	Drill Core	5.77	0.014	<0.1	5.47	139	85	<1	<0.1	1.34	<0.1	27	38.5	39	591.0	0.91	1.9	<0.05	0.22	12.2	3.3
3482060	Rock Pulp	0.07	1.549	0.3	7.27	726	352	1	<0.1	5.95	<0.1	38	43.3	197	87.4	8.50	3.1	0.08	0.66	22.2	8.5
3482061	Drill Core	6.38	<0.005	<0.1	5.44	39	88	1	<0.1	1.18	<0.1	30	17.2	51	71.5	0.84	3.0	<0.05	0.26	12.9	4.5
3482062	Drill Core	5.74	<0.005	<0.1	5.60	22	102	1	<0.1	1.05	<0.1	21	8.8	54	75.2	0.85	2.9	<0.05	0.30	8.2	4.8
3482063	Drill Core	5.72	<0.005	<0.1	5.10	31	54	1	<0.1	1.65	<0.1	26	16.7	24	41.7	0.61	1.4	<0.05	0.09	12.0	0.8
3482064	Drill Core	5.40	<0.005	<0.1	5.60	64	67	1	<0.1	1.14	<0.1	56	11.3	25	16.6	0.54	1.3	<0.05	0.10	27.5	1.3
3482065	Drill Core	6.14	0.008	<0.1	5.45	44	51	2	<0.1	2.10	<0.1	23	13.5	37	21.9	0.67	2.4	<0.05	0.09	11.1	0.9
3482066	Drill Core	6.39	0.060	<0.1	5.81	278	60	2	0.1	3.04	<0.1	57	47.9	28	880.0	1.15	1.4	0.06	0.09	28.5	1.1
3482067	Drill Core	5.67	<0.005	<0.1	5.17	132	58	<1	<0.1	1.73	<0.1	24	6.6	21	30.9	0.56	1.2	<0.05	0.08	11.0	0.4
3482068	Drill Core	6.06	<0.005	<0.1	6.34	25	84	2	<0.1	0.97	<0.1	27	6.5	31	20.0	0.65	2.0	<0.05	0.14	12.2	2.1
3482069	Drill Core	5.43	<0.005	<0.1	5.95	9	62	1	<0.1	1.18	<0.1	36	3.9	37	16.2	0.71	2.3	<0.05	0.12	17.0	1.1
3482070	Drill Core	5.39	<0.005	<0.1	5.23	18	69	2	<0.1	1.28	<0.1	44	6.3	23	13.4	0.59	1.2	<0.05	0.12	20.5	1.2
3482071	Drill Core	5.96	<0.005	<0.1	5.61	23	95	2	<0.1	1.80	<0.1	28	4.7	27	28.4	0.72	1.5	<0.05	0.19	13.0	2.6
3482072	Drill Core	5.84	<0.005	<0.1	5.31	14	69	2	<0.1	2.16	<0.1	44	3.9	34	8.2	0.71	1.6	<0.05	0.10	21.7	1.2
3482073	Drill Core	5.46	<0.005	<0.1	4.85	13	75	2	<0.1	0.73	<0.1	11	3.0	26	16.0	0.52	1.3	<0.05	0.12	5.2	1.8
3482074	Drill Core	5.79	0.007	<0.1	5.56	13	67	2	<0.1	1.82	<0.1	21	4.8	33	12.6	0.90	1.6	<0.05	0.15	10.1	2.9
3482075	Rock	0.21	<0.005	<0.1	4.86	2	26	<1	<0.1	0.14	<0.1	<1	<0.2	1	2.1	0.34	0.3	<0.05	3.73	0.2	24.2

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 31, 2019

CERTIFICATE OF ANALYSIS TIM19002273.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3482046	Drill Core	1.19	32	0.5	5.535	0.6	15.2	0.024	1.5	7.1	<0.005	<0.1	0.1	5	<1	<0.1	100	<0.1	<0.5	2.9	0.044
3482047	Drill Core	1.34	44	0.3	5.827	0.8	18.8	0.033	2.0	7.1	<0.005	<0.1	0.1	5	1	<0.1	91	<0.1	<0.5	3.0	0.050
3482048	Drill Core	1.20	57	0.3	5.511	0.9	20.2	0.033	1.6	6.1	<0.005	<0.1	0.1	5	<1	<0.1	92	<0.1	<0.5	2.8	0.053
3482049	Drill Core	1.29	110	0.2	5.275	1.3	13.7	0.028	2.1	2.3	<0.005	<0.1	0.2	5	<1	0.4	80	0.2	<0.5	3.1	0.059
3482050	Rock	0.03	70	0.4	7.666	0.3	0.5	<0.001	5.0	50.8	<0.005	<0.1	0.2	<1	<1	0.3	42	<0.1	<0.5	0.2	0.002
3482051	Drill Core	1.07	74	0.3	4.968	0.6	13.4	0.021	7.1	2.3	<0.005	<0.1	0.2	3	<1	1.6	73	<0.1	<0.5	2.3	0.037
3482052	Drill Core	1.08	80	0.3	5.003	0.7	14.2	0.024	1.5	3.2	<0.005	<0.1	0.2	3	<1	0.2	67	<0.1	<0.5	2.3	0.039
3482053	Drill Core	1.02	90	0.3	5.205	0.6	85.9	0.027	6.9	1.8	<0.005	0.3	0.2	4	1	0.2	59	<0.1	<0.5	2.8	0.035
3482054	Drill Core	1.06	122	0.4	4.993	0.6	134.1	0.039	2.3	1.4	<0.005	0.6	0.3	5	<1	0.4	59	<0.1	<0.5	2.9	0.028
3482055	Drill Core	1.02	109	0.3	5.209	0.6	40.5	0.028	1.6	5.8	<0.005	0.3	0.2	4	<1	0.2	76	<0.1	<0.5	3.2	0.034
3482056	Drill Core	1.05	137	0.4	5.696	0.8	33.6	0.034	2.1	4.7	<0.005	0.1	0.3	5	<1	0.2	81	<0.1	<0.5	4.7	0.036
3482057	Drill Core	1.04	130	0.3	5.290	0.7	43.8	0.036	1.7	2.4	<0.005	0.1	0.3	4	<1	<0.1	73	<0.1	<0.5	3.2	0.030
3482058	Drill Core	1.05	130	0.4	5.119	0.6	115.2	0.048	2.7	1.4	<0.005	0.6	0.3	4	<1	0.2	61	<0.1	<0.5	3.4	0.029
3482059	Drill Core	1.19	114	0.3	5.452	0.9	69.9	0.041	2.3	4.6	<0.005	0.3	0.2	5	<1	0.3	82	<0.1	<0.5	3.8	0.041
3482060	Rock Pulp	4.00	1926	2.9	2.143	18.7	141.6	0.164	5.0	21.4	<0.005	0.9	2.6	18	1	1.9	365	1.1	0.7	3.5	0.971
3482061	Drill Core	1.31	106	0.6	5.258	1.2	35.0	0.047	4.5	6.1	<0.005	0.1	0.3	6	<1	0.3	83	0.1	<0.5	5.1	0.061
3482062	Drill Core	1.42	98	0.4	5.235	1.2	28.4	0.043	3.2	7.2	<0.005	<0.1	0.2	6	<1	0.2	92	0.2	<0.5	6.9	0.057
3482063	Drill Core	0.91	149	0.3	5.132	0.6	16.2	0.034	2.0	0.6	<0.005	0.1	0.1	4	<1	<0.1	63	<0.1	<0.5	2.8	0.025
3482064	Drill Core	0.73	122	0.4	5.605	0.5	45.8	0.051	1.5	0.8	<0.005	<0.1	0.2	3	<1	0.1	68	<0.1	<0.5	3.2	0.025
3482065	Drill Core	1.14	215	0.4	5.268	0.9	35.1	0.063	1.5	0.9	<0.005	<0.1	0.2	6	<1	0.1	62	<0.1	<0.5	5.2	0.036
3482066	Drill Core	1.43	261	0.7	4.966	0.6	295.1	0.222	2.9	1.2	<0.005	0.5	0.3	6	2	0.5	85	<0.1	<0.5	5.9	0.024
3482067	Drill Core	0.88	174	0.4	5.457	0.4	91.1	0.042	1.3	0.5	<0.005	<0.1	0.3	4	<1	<0.1	62	<0.1	<0.5	2.8	0.017
3482068	Drill Core	0.88	118	0.7	6.148	1.0	25.9	0.047	1.5	1.8	<0.005	<0.1	0.2	4	<1	0.1	79	0.1	<0.5	5.2	0.041
3482069	Drill Core	0.77	151	0.6	5.676	1.0	9.8	0.059	1.1	1.0	<0.005	<0.1	0.1	3	<1	0.2	69	<0.1	<0.5	4.7	0.036
3482070	Drill Core	0.81	142	0.4	5.400	0.6	14.8	0.034	1.2	0.9	<0.005	<0.1	0.2	3	<1	<0.1	71	<0.1	<0.5	2.9	0.025
3482071	Drill Core	1.25	183	0.3	5.473	0.7	23.5	0.042	1.4	2.8	<0.005	<0.1	0.2	7	<1	0.1	83	<0.1	0.5	3.3	0.036
3482072	Drill Core	1.28	311	0.9	5.433	0.7	11.0	0.039	1.5	0.4	<0.005	<0.1	0.2	7	<1	<0.1	68	<0.1	<0.5	4.0	0.029
3482073	Drill Core	0.69	98	0.6	5.342	0.5	12.3	0.022	1.2	0.9	<0.005	<0.1	0.1	3	<1	<0.1	61	<0.1	<0.5	2.3	0.024
3482074	Drill Core	1.41	286	1.3	5.385	0.6	9.9	0.038	1.9	1.1	<0.005	<0.1	0.2	6	<1	0.2	69	<0.1	<0.5	4.2	0.028
3482075	Rock	0.01	69	0.3	7.082	0.1	0.5	<0.001	3.0	38.7	<0.005	<0.1	0.2	<1	<1	0.2	26	<0.1	<0.5	0.1	0.002

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Project: SPJ
Report Date: October 31, 2019

CERTIFICATE OF ANALYSIS TIM19002273.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3482046	Drill Core	<0.5	0.6	32	<0.1	4.2	3	49.9
3482047	Drill Core	<0.5	0.4	39	<0.1	3.8	4	64.2
3482048	Drill Core	<0.5	0.5	34	0.1	3.6	2	62.5
3482049	Drill Core	<0.5	0.9	37	0.2	4.5	2	61.4
3482050	Rock	0.7	0.1	<1	<0.1	1.5	9	22.0
3482051	Drill Core	<0.5	0.5	28	0.1	3.7	16	44.4
3482052	Drill Core	<0.5	0.5	29	0.2	3.5	5	48.0
3482053	Drill Core	<0.5	0.8	34	0.3	3.4	23	52.5
3482054	Drill Core	<0.5	0.8	25	0.3	4.7	3	51.6
3482055	Drill Core	<0.5	0.8	32	0.3	4.7	6	52.6
3482056	Drill Core	<0.5	1.4	31	0.7	6.7	4	62.5
3482057	Drill Core	<0.5	1.0	24	0.5	6.0	3	51.5
3482058	Drill Core	<0.5	1.0	28	0.8	5.2	7	56.3
3482059	Drill Core	<0.5	1.0	36	0.5	5.3	3	68.3
3482060	Rock Pulp	<0.5	1.1	163	1.2	22.3	108	121.1
3482061	Drill Core	<0.5	1.1	42	0.5	6.8	6	108.0
3482062	Drill Core	<0.5	1.7	44	0.3	6.5	3	112.6
3482063	Drill Core	<0.5	0.8	20	0.5	6.1	2	49.8
3482064	Drill Core	<0.5	0.8	21	0.3	6.4	2	47.3
3482065	Drill Core	<0.5	1.0	29	0.8	9.5	3	86.0
3482066	Drill Core	<0.5	1.2	24	0.5	15.2	3	50.3
3482067	Drill Core	<0.5	0.9	15	0.3	5.7	3	41.9
3482068	Drill Core	<0.5	1.7	33	0.4	6.4	2	69.6
3482069	Drill Core	<0.5	1.9	25	0.7	6.7	2	77.8
3482070	Drill Core	<0.5	0.8	18	0.5	5.0	1	44.9
3482071	Drill Core	<0.5	0.9	31	0.4	7.8	2	53.4
3482072	Drill Core	<0.5	0.7	29	0.5	8.0	2	56.7
3482073	Drill Core	<0.5	0.8	23	0.3	2.9	3	44.4
3482074	Drill Core	<0.5	1.0	38	0.5	7.9	5	59.0
3482075	Rock	<0.5	<0.1	<1	<0.1	0.8	7	17.4

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	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3482076	Drill Core	5.83	<0.005	<0.1	5.90	8	75	1	<0.1	1.01	<0.1	19	3.5	39	14.0	0.71	1.7	<0.05	0.14	8.6	1.4
3482077	Drill Core	5.81	0.006	<0.1	5.16	7	52	2	<0.1	1.37	<0.1	16	3.5	29	34.7	0.95	1.5	<0.05	0.12	7.2	2.1
3482078	Drill Core	5.54	0.010	<0.1	5.54	13	90	1	<0.1	1.03	<0.1	14	5.6	29	18.0	0.82	1.2	<0.05	0.15	6.7	2.5
3482079	Drill Core	5.49	<0.005	<0.1	5.35	18	90	2	<0.1	1.62	<0.1	42	8.3	37	24.9	1.01	1.4	<0.05	0.17	19.4	3.2
3482080	Rock Pulp	0.07	0.522	0.2	7.28	5	148	<1	<0.1	6.68	<0.1	10	46.4	179	152.4	7.94	1.5	0.06	0.18	4.2	12.0
3482081	Drill Core	5.54	<0.005	<0.1	5.19	12	70	2	<0.1	1.66	<0.1	22	4.1	35	9.6	0.77	1.5	<0.05	0.12	10.4	2.3
3482082	Drill Core	5.43	<0.005	<0.1	6.66	27	121	2	<0.1	1.15	<0.1	47	9.5	41	34.0	0.79	1.8	<0.05	0.18	22.8	2.0
3482083	Drill Core	5.82	<0.005	<0.1	5.46	13	91	2	<0.1	1.38	<0.1	32	5.0	41	31.3	0.81	2.2	<0.05	0.18	15.0	2.5
3482084	Drill Core	5.28	<0.005	<0.1	6.11	7	120	2	<0.1	0.89	<0.1	28	2.2	30	9.4	0.68	1.4	<0.05	0.22	13.7	2.1
3482085	Drill Core	4.32	<0.005	<0.1	4.34	41	100	1	<0.1	0.66	<0.1	15	11.5	28	54.5	0.79	1.5	<0.05	0.23	6.9	4.2
3482086	Drill Core	4.43	<0.005	<0.1	4.76	19	127	2	<0.1	0.76	<0.1	32	8.5	38	25.1	0.85	1.6	<0.05	0.29	15.5	4.4
3482087	Drill Core	4.52	0.021	<0.1	5.11	253	110	2	0.6	1.45	<0.1	70	65.5	44	190.9	2.07	1.5	<0.05	0.23	34.8	3.4
3482088	Drill Core	6.58	<0.005	<0.1	5.49	7	151	2	<0.1	1.05	<0.1	64	5.4	33	24.1	0.83	1.2	<0.05	0.32	31.4	4.2
3482089	Drill Core	5.20	<0.005	<0.1	5.15	7	214	1	<0.1	0.29	<0.1	9	3.6	31	3.8	0.76	1.6	<0.05	0.46	4.3	6.1
3482090	Drill Core	5.21	<0.005	<0.1	4.94	7	175	2	<0.1	0.47	<0.1	12	3.1	28	6.0	0.72	1.3	<0.05	0.43	6.1	6.1
3482091	Drill Core	5.21	<0.005	<0.1	4.46	12	143	1	<0.1	0.66	<0.1	38	6.3	29	14.2	0.71	1.3	<0.05	0.30	19.4	3.8
3482092	Drill Core	5.69	<0.005	<0.1	4.52	11	189	2	<0.1	0.36	<0.1	24	5.7	29	7.7	0.76	1.5	<0.05	0.43	12.1	5.6
3482093	Drill Core	6.01	<0.005	<0.1	4.64	10	197	1	<0.1	0.35	<0.1	24	11.0	37	4.6	0.84	1.6	<0.05	0.39	11.0	5.7
3482094	Drill Core	5.44	<0.005	<0.1	4.42	18	150	1	<0.1	0.49	<0.1	40	8.9	28	33.2	0.80	1.4	<0.05	0.29	20.2	3.5
3482095	Drill Core	5.33	<0.005	<0.1	4.41	16	118	2	<0.1	0.42	<0.1	26	8.4	33	24.1	0.83	1.6	<0.05	0.28	12.8	5.2
3482096	Drill Core	5.59	<0.005	<0.1	4.44	12	112	1	<0.1	0.32	<0.1	11	7.4	31	3.5	0.73	1.4	<0.05	0.29	5.6	6.1
3482097	Drill Core	7.04	<0.005	<0.1	4.61	17	116	1	<0.1	0.49	<0.1	25	10.8	54	4.6	0.85	3.3	<0.05	0.25	11.9	5.9
3482098	Rock Pulp	0.07	5.253	0.9	6.42	23	222	<1	0.3	5.52	0.1	13	40.8	264	147.0	7.13	1.5	<0.05	0.45	6.0	18.9
3482099	Drill Core	4.46	<0.005	<0.1	4.44	14	121	2	<0.1	0.41	<0.1	42	7.4	30	4.8	0.77	1.4	<0.05	0.31	21.3	5.7
3482100	Rock	0.22	<0.005	<0.1	7.88	1	47	1	<0.1	0.19	<0.1	1	<0.2	1	3.6	0.30	0.4	<0.05	4.48	0.7	24.2
3482101	Drill Core	6.62	<0.005	<0.1	4.79	15	125	1	<0.1	0.54	<0.1	50	7.7	44	12.6	0.82	2.1	<0.05	0.28	24.1	5.1
3482102	Drill Core	6.16	0.017	<0.1	5.52	40	87	2	0.1	1.66	<0.1	40	34.2	46	65.1	1.00	2.3	<0.05	0.19	18.6	2.3
3482103	Drill Core	4.75	0.018	<0.1	5.35	62	109	<1	<0.1	1.63	<0.1	23	25.9	36	187.4	1.04	1.9	<0.05	0.29	12.1	3.7
3482104	Drill Core	5.02	0.023	<0.1	5.44	60	119	2	<0.1	1.21	<0.1	43	16.5	31	274.5	1.04	1.4	<0.05	0.31	21.6	3.4
3482105	Drill Core	6.58	<0.005	<0.1	4.58	11	129	1	<0.1	0.67	<0.1	18	7.5	40	13.3	0.95	2.1	<0.05	0.42	8.2	5.8

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 31, 2019

CERTIFICATE OF ANALYSIS TIM19002273.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3482076	Drill Core	0.86	162	0.7	5.926	0.9	7.1	0.038	2.1	0.8	<0.005	<0.1	0.2	4	<1	<0.1	62	<0.1	<0.5	4.6	0.033
3482077	Drill Core	1.16	232	1.3	5.021	0.4	9.4	0.074	3.5	0.6	<0.005	0.1	0.3	5	<1	<0.1	49	<0.1	<0.5	3.2	0.018
3482078	Drill Core	0.96	156	1.5	5.334	0.5	19.5	0.038	4.0	1.6	<0.005	<0.1	0.1	4	<1	<0.1	77	<0.1	<0.5	3.2	0.027
3482079	Drill Core	1.40	233	1.3	5.116	0.7	20.4	0.045	3.8	1.8	<0.005	0.1	0.3	6	<1	0.1	82	<0.1	<0.5	3.7	0.032
3482080	Rock Pulp	4.33	1429	0.7	2.344	3.4	97.1	0.040	3.2	3.7	<0.005	0.2	0.5	42	<1	0.7	114	0.2	1.2	0.4	0.674
3482081	Drill Core	1.18	222	0.6	5.249	0.7	11.2	0.033	2.4	0.9	<0.005	<0.1	0.2	5	<1	0.1	74	<0.1	<0.5	4.3	0.031
3482082	Drill Core	0.91	167	0.6	6.099	0.8	23.2	0.044	6.8	2.2	<0.005	<0.1	0.3	5	<1	<0.1	101	<0.1	<0.5	5.9	0.035
3482083	Drill Core	1.13	178	0.9	5.258	0.7	16.8	0.057	4.1	2.1	<0.005	<0.1	0.2	6	<1	<0.1	77	<0.1	<0.5	5.0	0.037
3482084	Drill Core	0.78	137	1.3	5.348	1.2	9.7	0.032	3.1	5.2	<0.005	<0.1	0.2	3	<1	1.6	96	0.2	<0.5	3.8	0.043
3482085	Drill Core	0.89	93	0.7	5.180	0.9	43.3	0.027	2.4	2.1	<0.005	0.1	0.2	3	<1	0.3	71	0.1	<0.5	2.7	0.040
3482086	Drill Core	1.19	102	1.1	5.445	1.2	24.8	0.041	2.0	2.1	<0.005	<0.1	0.2	6	<1	0.2	77	0.1	<0.5	3.7	0.064
3482087	Drill Core	1.15	135	2.7	5.197	0.7	390.8	0.129	5.9	2.9	0.007	1.7	0.6	6	3	0.3	90	<0.1	<0.5	4.6	0.040
3482088	Drill Core	1.23	121	0.2	5.306	1.0	19.5	0.025	3.3	6.6	<0.005	<0.1	0.3	4	<1	0.2	111	0.1	<0.5	3.4	0.050
3482089	Drill Core	1.32	47	0.3	5.634	0.8	16.8	0.027	1.9	8.1	<0.005	<0.1	0.1	6	<1	0.2	102	<0.1	<0.5	3.6	0.053
3482090	Drill Core	1.39	72	0.3	5.331	0.8	15.6	0.023	1.4	7.6	<0.005	<0.1	0.1	5	<1	0.1	90	<0.1	<0.5	2.9	0.049
3482091	Drill Core	1.15	72	0.2	5.196	0.6	20.2	0.023	4.0	2.4	<0.005	<0.1	0.2	3	<1	<0.1	92	<0.1	<0.5	2.9	0.035
3482092	Drill Core	1.22	49	0.3	5.269	0.8	21.0	0.025	2.9	6.6	<0.005	<0.1	0.2	4	<1	0.1	92	<0.1	<0.5	3.2	0.052
3482093	Drill Core	1.34	50	0.3	5.192	0.9	20.9	0.031	1.8	6.0	<0.005	0.1	0.1	5	<1	0.2	104	0.1	<0.5	3.3	0.055
3482094	Drill Core	1.08	63	0.2	5.003	0.8	20.4	0.025	1.8	3.7	<0.005	0.1	0.2	3	<1	0.1	92	<0.1	<0.5	3.0	0.042
3482095	Drill Core	1.18	69	0.3	5.107	1.0	25.3	0.028	1.5	3.7	<0.005	0.1	0.2	4	<1	0.1	78	0.1	<0.5	3.1	0.054
3482096	Drill Core	1.14	52	0.4	5.320	0.9	15.1	0.024	1.6	3.2	<0.005	<0.1	0.2	4	<1	0.1	69	<0.1	<0.5	2.6	0.047
3482097	Drill Core	1.47	63	0.8	5.139	1.0	21.4	0.039	1.5	2.9	<0.005	<0.1	0.1	6	<1	0.1	88	0.1	<0.5	5.4	0.051
3482098	Rock Pulp	4.13	1209	2.7	2.003	3.3	121.5	0.040	18.0	14.0	<0.005	0.5	0.5	34	<1	0.7	111	0.2	0.7	1.2	0.575
3482099	Drill Core	1.26	59	0.4	5.055	0.7	17.6	0.027	1.3	5.2	<0.005	<0.1	0.2	4	<1	0.1	83	<0.1	<0.5	3.0	0.049
3482100	Rock	0.03	58	<0.1	7.778	0.1	0.3	0.001	5.3	52.5	<0.005	<0.1	0.2	<1	<1	0.2	54	<0.1	<0.5	0.3	0.002
3482101	Drill Core	1.30	68	0.2	5.191	1.0	27.2	0.037	1.7	4.0	<0.005	0.1	0.2	5	<1	<0.1	83	0.1	<0.5	4.9	0.053
3482102	Drill Core	1.13	155	0.4	5.512	0.9	52.6	0.144	4.2	2.7	<0.005	0.4	0.4	5	<1	0.1	83	0.1	<0.5	5.7	0.042
3482103	Drill Core	1.43	168	0.4	5.277	0.9	71.4	0.043	3.1	5.8	<0.005	0.3	0.3	6	<1	0.6	83	0.1	<0.5	3.6	0.048
3482104	Drill Core	1.18	117	1.6	5.423	0.9	68.2	0.081	4.2	7.6	<0.005	0.3	0.3	5	1	0.3	84	<0.1	<0.5	3.7	0.047
3482105	Drill Core	1.36	70	0.3	5.214	1.2	22.5	0.046	3.2	5.6	<0.005	<0.1	0.1	5	<1	0.3	70	0.1	<0.5	3.4	0.072

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 31, 2019

CERTIFICATE OF ANALYSIS TIM19002273.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3482076	Drill Core	<0.5	1.5	30	0.5	5.4	6	61.5
3482077	Drill Core	<0.5	1.0	34	0.4	6.9	13	53.7
3482078	Drill Core	<0.5	1.1	28	0.3	4.7	3	43.6
3482079	Drill Core	<0.5	1.2	38	0.4	6.8	5	51.2
3482080	Rock Pulp	<0.5	0.1	311	1.1	22.2	79	46.1
3482081	Drill Core	<0.5	1.1	31	0.5	5.6	3	59.6
3482082	Drill Core	<0.5	1.9	30	0.5	7.5	3	66.5
3482083	Drill Core	<0.5	1.2	36	0.4	6.0	12	81.0
3482084	Drill Core	<0.5	1.5	25	0.8	5.1	3	51.8
3482085	Drill Core	<0.5	1.0	28	1.1	3.5	11	55.3
3482086	Drill Core	<0.5	1.2	42	0.5	5.2	3	59.6
3482087	Drill Core	<0.5	1.7	39	0.7	9.6	3	58.0
3482088	Drill Core	<0.5	1.4	34	0.3	5.1	4	46.7
3482089	Drill Core	<0.5	0.5	43	<0.1	2.9	68	57.7
3482090	Drill Core	<0.5	0.4	38	<0.1	2.6	3	45.1
3482091	Drill Core	<0.5	0.7	26	0.2	3.4	3	51.4
3482092	Drill Core	<0.5	0.5	35	0.1	3.2	3	56.7
3482093	Drill Core	<0.5	0.6	38	0.1	3.6	4	54.3
3482094	Drill Core	<0.5	0.6	28	<0.1	4.1	3	50.8
3482095	Drill Core	<0.5	0.6	33	0.2	3.9	6	55.3
3482096	Drill Core	<0.5	0.5	33	0.1	2.8	5	50.7
3482097	Drill Core	<0.5	0.8	38	0.3	4.0	4	117.0
3482098	Rock Pulp	<0.5	0.3	259	5.2	19.5	82	51.8
3482099	Drill Core	<0.5	0.6	36	0.1	4.4	3	57.4
3482100	Rock	0.5	0.2	<1	<0.1	1.9	7	18.7
3482101	Drill Core	<0.5	1.0	42	0.2	4.4	3	74.5
3482102	Drill Core	<0.5	1.9	37	1.2	8.1	4	86.5
3482103	Drill Core	<0.5	1.3	43	0.7	5.5	2	73.0
3482104	Drill Core	<0.5	1.6	37	0.8	6.3	3	52.4
3482105	Drill Core	<0.5	0.8	43	0.3	4.5	6	73.0

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Project: SPJ
Report Date: October 31, 2019

CERTIFICATE OF ANALYSIS TIM19002273.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3482106	Drill Core	4.78	<0.005	<0.1	4.70	15	129	1	<0.1	0.93	<0.1	52	13.7	50	18.9	1.12	2.5	<0.05	0.44	24.7	5.3
3482107	Drill Core	5.20	<0.005	<0.1	5.49	15	126	2	<0.1	0.96	<0.1	33	11.8	33	18.2	0.91	1.8	<0.05	0.40	14.3	4.7
3482108	Drill Core	5.40	<0.005	<0.1	4.64	18	129	1	<0.1	0.64	<0.1	41	14.3	47	23.1	0.98	2.2	<0.05	0.45	20.4	5.7
3482109	Drill Core	5.51	<0.005	<0.1	4.67	7	141	2	<0.1	0.52	<0.1	44	4.3	36	8.1	0.87	2.0	<0.05	0.53	23.3	5.4
3482110	Drill Core	5.43	<0.005	<0.1	4.71	12	144	1	<0.1	0.37	<0.1	32	8.7	38	5.4	1.00	1.6	<0.05	0.60	15.9	5.3
3482111	Drill Core	5.04	<0.005	<0.1	5.00	6	156	1	<0.1	0.39	<0.1	25	7.4	42	3.7	1.03	1.6	<0.05	0.53	12.7	4.8
3482112	Drill Core	5.76	<0.005	<0.1	5.52	6	205	1	<0.1	0.65	<0.1	31	11.1	33	3.1	1.03	1.7	<0.05	0.58	15.0	5.3
3482113	Drill Core	5.94	<0.005	<0.1	5.34	11	165	2	<0.1	0.85	<0.1	40	7.1	42	7.8	1.11	2.7	<0.05	0.57	19.7	6.7
3482114	Drill Core	6.05	<0.005	<0.1	5.46	9	84	2	<0.1	1.69	<0.1	28	2.6	39	3.7	0.61	2.3	<0.05	0.22	14.2	1.5
3482115	Drill Core	5.57	0.006	<0.1	4.59	11	145	2	<0.1	0.60	<0.1	43	9.2	39	12.4	1.07	1.6	<0.05	0.61	21.9	5.5
3482116	Drill Core	5.43	<0.005	<0.1	4.97	11	146	1	<0.1	0.67	<0.1	39	8.9	57	17.8	1.17	2.6	<0.05	0.70	17.7	7.4

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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3482106	Drill Core	1.55	88	0.4	5.016	1.4	23.6	0.046	4.0	6.2	<0.005	0.2	0.2	6	<1	0.4	81	0.1	<0.5	4.4	0.082
3482107	Drill Core	1.37	100	0.3	5.049	1.2	18.5	0.037	4.2	10.0	<0.005	0.1	0.2	5	<1	0.4	103	0.1	<0.5	3.8	0.066
3482108	Drill Core	1.45	75	0.3	5.078	1.3	26.9	0.042	4.2	7.1	<0.005	0.2	0.2	6	<1	0.2	83	0.1	<0.5	4.4	0.078
3482109	Drill Core	1.42	64	0.7	5.479	1.4	18.0	0.035	2.7	7.7	<0.005	<0.1	0.1	5	<1	0.3	75	0.1	<0.5	3.7	0.081
3482110	Drill Core	1.60	42	0.3	5.065	1.6	24.3	0.029	1.8	13.1	<0.005	<0.1	0.2	5	<1	0.3	69	0.2	<0.5	2.5	0.097
3482111	Drill Core	1.56	39	0.3	5.276	1.3	23.2	0.034	1.5	9.4	<0.005	<0.1	0.1	6	<1	0.2	84	0.1	<0.5	3.3	0.084
3482112	Drill Core	1.52	43	0.3	4.896	1.2	19.3	0.053	1.9	15.1	<0.005	0.1	0.2	5	<1	0.3	130	0.1	<0.5	3.7	0.076
3482113	Drill Core	1.94	86	0.6	5.250	2.1	26.9	0.055	2.1	9.7	<0.005	<0.1	<0.1	6	<1	0.4	87	0.2	<0.5	5.6	0.095
3482114	Drill Core	1.19	147	0.2	5.540	1.0	12.3	0.045	1.6	3.1	<0.005	<0.1	0.2	5	<1	0.2	77	0.1	<0.5	4.8	0.048
3482115	Drill Core	1.59	72	0.1	4.880	1.3	28.0	0.038	3.0	13.5	<0.005	0.1	0.2	5	<1	0.4	82	0.1	<0.5	3.9	0.084
3482116	Drill Core	1.85	73	0.8	5.038	1.6	39.1	0.050	4.3	13.8	<0.005	<0.1	0.2	8	<1	0.3	76	0.2	<0.5	4.4	0.106

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 31, 2019

CERTIFICATE OF ANALYSIS TIM19002273.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3482106	Drill Core	<0.5	1.4	45	0.3	5.9	2	94.7
3482107	Drill Core	<0.5	1.3	40	0.5	6.1	3	65.0
3482108	Drill Core	<0.5	1.1	43	0.2	5.3	3	88.7
3482109	Drill Core	<0.5	0.7	44	0.2	5.3	3	74.8
3482110	Drill Core	<0.5	0.6	49	0.2	3.7	2	59.8
3482111	Drill Core	<0.5	0.6	46	<0.1	3.6	3	58.8
3482112	Drill Core	<0.5	1.1	38	0.1	4.6	2	61.8
3482113	Drill Core	<0.5	1.2	51	0.3	7.0	2	102.4
3482114	Drill Core	<0.5	1.3	35	0.9	5.5	1	88.3
3482115	Drill Core	<0.5	0.8	45	0.2	4.2	4	60.9
3482116	Drill Core	<0.5	0.9	65	0.4	5.4	3	97.5

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Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 31, 2019

QUALITY CONTROL REPORT TIM19002273.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
Pulp Duplicates																					
3482017	Drill Core	5.55	<0.005	<0.1	6.86	37	78	<1	<0.1	1.94	<0.1	36	14.7	30	17.5	0.76	1.9	<0.05	0.19	20.1	2.3
REP 3482017	QC		<0.005																		
3482026	Drill Core	5.54	<0.005	<0.1	6.03	5	117	1	<0.1	0.68	<0.1	36	3.7	24	6.7	0.68	1.3	<0.05	0.34	18.1	3.6
REP 3482026	QC			<0.1	5.92	3	115	1	<0.1	0.67	<0.1	38	3.7	25	6.9	0.68	1.3	<0.05	0.33	18.4	3.8
3482041	Drill Core	4.78	<0.005	<0.1	5.63	3	94	2	<0.1	0.87	<0.1	45	3.6	31	7.8	0.60	1.9	<0.05	0.32	22.1	4.8
REP 3482041	QC		<0.005																		
3482057	Drill Core	6.08	<0.005	<0.1	5.30	58	67	2	<0.1	1.42	<0.1	25	13.1	29	32.7	0.65	1.4	<0.05	0.16	11.1	2.6
REP 3482057	QC		<0.005																		
3482059	Drill Core	5.77	0.014	<0.1	5.47	139	85	<1	<0.1	1.34	<0.1	27	38.5	39	591.0	0.91	1.9	<0.05	0.22	12.2	3.3
REP 3482059	QC			<0.1	5.91	132	92	1	<0.1	1.48	<0.1	28	35.1	40	612.2	0.97	1.7	<0.05	0.24	12.7	3.3
3482094	Drill Core	5.44	<0.005	<0.1	4.42	18	150	1	<0.1	0.49	<0.1	40	8.9	28	33.2	0.80	1.4	<0.05	0.29	20.2	3.5
REP 3482094	QC			<0.1	4.22	21	149	1	<0.1	0.48	<0.1	38	9.0	28	33.2	0.83	1.4	<0.05	0.28	18.4	4.0
Core Reject Duplicates																					
3482038	Drill Core	5.46	<0.005	<0.1	6.03	13	136	1	<0.1	0.57	<0.1	18	12.0	50	8.0	0.87	2.9	<0.05	0.47	8.6	5.8
DUP 3482038	QC		<0.005	<0.1	6.31	14	138	2	<0.1	0.59	<0.1	18	12.1	46	7.1	0.88	2.7	<0.05	0.49	8.6	6.0
3482072	Drill Core	5.84	<0.005	<0.1	5.31	14	69	2	<0.1	2.16	<0.1	44	3.9	34	8.2	0.71	1.6	<0.05	0.10	21.7	1.2
DUP 3482072	QC		<0.005	<0.1	5.59	11	71	2	<0.1	2.21	<0.1	47	3.3	33	7.0	0.72	1.8	<0.05	0.11	22.7	1.2
3482106	Drill Core	4.78	<0.005	<0.1	4.70	15	129	1	<0.1	0.93	<0.1	52	13.7	50	18.9	1.12	2.5	<0.05	0.44	24.7	5.3
DUP 3482106	QC		<0.005	<0.1	4.96	15	129	1	<0.1	0.94	<0.1	54	14.4	50	19.2	1.18	2.8	<0.05	0.46	26.9	6.3
Reference Materials																					
STD OREAS25A-4A	Standard			<0.1	9.70	9	153	<1	0.3	0.29	<0.1	47	8.2	123	39.4	6.70	4.3	0.10	0.51	22.1	40.6
STD OREAS25A-4A	Standard			<0.1	8.21	10	143	1	0.4	0.23	<0.1	42	7.6	119	35.2	6.44	4.2	0.11	0.47	18.1	40.8
STD OREAS25A-4A	Standard			<0.1	8.51	10	144	1	0.4	0.26	<0.1	45	7.9	123	36.0	6.44	4.1	0.09	0.46	21.6	41.8
STD OREAS45E	Standard			0.3	7.22	16	259	<1	0.2	0.06	<0.1	25	60.7	961	806.4	24.46	2.9	0.08	0.34	11.6	6.0
STD OREAS45H	Standard			0.1	8.45	17	360	1	0.2	0.14	<0.1	27	93.9	650	798.5	21.00	3.5	0.14	0.20	14.6	14.5
STD OREAS45E	Standard			0.3	7.14	17	256	<1	0.3	0.06	<0.1	25	58.4	955	790.8	25.27	2.9	0.07	0.34	12.7	6.8
STD OXC145	Standard		0.202																		
STD OXC145	Standard		0.207																		

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Project: SPJ
Report Date: October 31, 2019

QUALITY CONTROL REPORT TIM19002273.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
Pulp Duplicates																					
3482017	Drill Core	1.35	131	0.4	5.774	0.8	14.5	0.043	3.2	7.0	<0.005	<0.1	0.1	6	<1	0.2	89	<0.1	<0.5	4.7	0.035
REP 3482017	QC																				
3482026	Drill Core	1.01	47	0.4	5.632	0.7	16.6	0.024	1.8	5.5	<0.005	<0.1	0.2	5	<1	0.1	106	0.1	<0.5	2.8	0.053
REP 3482026	QC	1.01	47	0.5	5.686	0.8	16.6	0.025	1.8	5.2	<0.005	<0.1	0.2	4	<1	0.2	104	<0.1	<0.5	2.9	0.054
3482041	Drill Core	1.25	48	0.4	5.472	0.7	22.3	0.037	2.3	4.8	<0.005	<0.1	0.2	5	<1	<0.1	110	<0.1	<0.5	3.6	0.044
REP 3482041	QC																				
3482057	Drill Core	1.04	130	0.3	5.290	0.7	43.8	0.036	1.7	2.4	<0.005	0.1	0.3	4	<1	<0.1	73	<0.1	<0.5	3.2	0.030
REP 3482057	QC																				
3482059	Drill Core	1.19	114	0.3	5.452	0.9	69.9	0.041	2.3	4.6	<0.005	0.3	0.2	5	<1	0.3	82	<0.1	<0.5	3.8	0.041
REP 3482059	QC	1.25	118	0.3	5.772	0.9	66.3	0.041	2.3	4.6	<0.005	0.4	0.2	6	1	0.3	84	<0.1	<0.5	4.4	0.042
3482094	Drill Core	1.08	63	0.2	5.003	0.8	20.4	0.025	1.8	3.7	<0.005	0.1	0.2	3	<1	0.1	92	<0.1	<0.5	3.0	0.042
REP 3482094	QC	1.07	67	0.3	4.828	0.7	22.7	0.025	1.7	2.9	<0.005	0.1	0.2	3	<1	0.1	89	<0.1	<0.5	2.6	0.040
Core Reject Duplicates																					
3482038	Drill Core	1.46	50	0.4	5.702	0.9	29.9	0.035	3.0	10.4	<0.005	0.2	0.5	6	<1	<0.1	116	0.1	<0.5	4.9	0.054
DUP 3482038	QC	1.49	47	0.5	5.775	1.0	28.1	0.037	2.8	12.7	<0.005	0.2	0.6	6	<1	0.1	119	0.1	<0.5	5.7	0.056
3482072	Drill Core	1.28	311	0.9	5.433	0.7	11.0	0.039	1.5	0.4	<0.005	<0.1	0.2	7	<1	<0.1	68	<0.1	<0.5	4.0	0.029
DUP 3482072	QC	1.26	317	0.9	5.510	0.8	9.6	0.039	1.7	0.6	<0.005	<0.1	0.1	6	<1	<0.1	69	<0.1	<0.5	4.2	0.032
3482106	Drill Core	1.55	88	0.4	5.016	1.4	23.6	0.046	4.0	6.2	<0.005	0.2	0.2	6	<1	0.4	81	0.1	<0.5	4.4	0.082
DUP 3482106	QC	1.61	95	0.4	5.081	1.6	24.2	0.049	3.8	8.0	<0.005	0.2	0.2	6	<1	0.5	80	0.2	<0.5	4.4	0.087
Reference Materials																					
STD OREAS25A-4A	Standard	0.33	506	2.7	0.123	19.7	49.4	0.050	25.7	60.6	<0.005	<0.1	0.6	12	2	4.1	48	1.5	<0.5	16.1	0.929
STD OREAS25A-4A	Standard	0.36	474	2.4	0.129	19.9	46.6	0.047	27.0	51.2	<0.005	<0.1	0.7	12	2	4.2	46	1.4	<0.5	15.0	0.906
STD OREAS25A-4A	Standard	0.35	461	2.5	0.132	19.9	45.2	0.049	26.5	52.9	<0.005	<0.1	0.6	13	3	4.1	46	1.4	<0.5	16.1	0.934
STD OREAS45E	Standard	0.15	563	2.5	0.058	5.9	484.0	0.035	18.9	22.2	<0.005	<0.1	0.9	92	2	1.1	16	0.5	<0.5	13.8	0.534
STD OREAS45H	Standard	0.30	415	1.6	0.093	13.5	445.7	0.023	13.3	23.3	<0.005	<0.1	0.6	59	2	2.1	30	1.0	<0.5	8.4	0.859
STD OREAS45E	Standard	0.18	553	2.0	0.059	6.3	464.5	0.033	19.5	22.2	<0.005	<0.1	1.1	90	2	1.4	18	0.5	<0.5	14.3	0.549
STD OXC145	Standard																				
STD OXC145	Standard																				

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145 Wellington St. West, Suite 1001
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Project: SPJ
Report Date: October 31, 2019

QUALITY CONTROL REPORT TIM19002273.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
Pulp Duplicates								
3482017	Drill Core	<0.5	2.1	34	0.7	6.7	15	71.6
REP 3482017	QC							
3482026	Drill Core	<0.5	0.6	29	<0.1	5.4	4	44.5
REP 3482026	QC	<0.5	0.5	29	<0.1	5.2	5	45.4
3482041	Drill Core	<0.5	0.5	31	<0.1	6.7	3	69.5
REP 3482041	QC							
3482057	Drill Core	<0.5	1.0	24	0.5	6.0	3	51.5
REP 3482057	QC							
3482059	Drill Core	<0.5	1.0	36	0.5	5.3	3	68.3
REP 3482059	QC	<0.5	1.1	38	0.5	5.5	3	65.8
3482094	Drill Core	<0.5	0.6	28	<0.1	4.1	3	50.8
REP 3482094	QC	<0.5	0.5	28	<0.1	3.6	4	52.1
Core Reject Duplicates								
3482038	Drill Core	<0.5	0.8	38	<0.1	5.7	6	99.5
DUP 3482038	QC	<0.5	0.9	39	<0.1	5.7	4	96.8
3482072	Drill Core	<0.5	0.7	29	0.5	8.0	2	56.7
DUP 3482072	QC	<0.5	0.9	29	0.6	8.6	4	70.2
3482106	Drill Core	<0.5	1.4	45	0.3	5.9	2	94.7
DUP 3482106	QC	<0.5	1.3	44	0.3	6.5	2	102.8
Reference Materials								
STD OREAS25A-4A	Standard	<0.5	2.9	162	1.9	10.0	48	153.0
STD OREAS25A-4A	Standard	<0.5	3.2	153	2.1	9.3	45	153.7
STD OREAS25A-4A	Standard	<0.5	3.2	158	1.9	9.8	42	146.2
STD OREAS45E	Standard	<0.5	2.6	326	1.0	7.9	49	92.1
STD OREAS45H	Standard	<0.5	1.8	267	0.9	11.0	40	126.5
STD OREAS45E	Standard	<0.5	2.6	313	1.0	8.4	45	98.0
STD OXC145	Standard							
STD OXC145	Standard							

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Project: SPJ
Report Date: October 31, 2019

QUALITY CONTROL REPORT TIM19002273.1

		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
STD OXC145	Standard		0.206																		
STD OXC145	Standard		0.200																		
STD OXH139	Standard		1.304																		
STD OXH139	Standard		1.294																		
STD OXH139	Standard		1.271																		
STD OXH139	Standard		1.237																		
STD OXN134	Standard		7.503																		
STD OXN134	Standard		7.392																		
STD OXN134	Standard		7.587																		
STD OXN134	Standard		7.224																		
STD OXC145 Expected			0.212																		
STD OXN134 Expected			7.667																		
STD OXH139 Expected			1.312																		
STD OREAS45H Expected				0.147	7.99	16.9	332	1.09	0.17	0.135		23.6	88	602	767	19.52	3.6	0.1	0.205	12.4	13.1
STD OREAS25A-4A Expected					8.87	9.94	147	0.93	0.37	0.301		47.3	7.7	115	33.9	6.6	4.14	0.09	0.482	21.8	36.7
STD OREAS45E Expected				0.311	6.78	16.3	252		0.28	0.065	0.06	23.5	57	979	780	24.12	3.11	0.099	0.324	11	6.58
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	0.3	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
Prep Wash																					
ROCK-TIM	Prep Blank		<0.005	<0.1	7.77	3	869	<1	0.6	1.68	<0.1	27	5.8	6	11.0	2.29	1.8	0.06	1.64	14.3	4.1

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Bureau Veritas Commodities Canada Ltd.
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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: October 31, 2019

QUALITY CONTROL REPORT TIM19002273.1

		MA200 Mg % 0.01	MA200 Mn ppm 1	MA200 Mo ppm 0.1	MA200 Na % 0.001	MA200 Nb ppm 0.1	MA200 Ni ppm 0.1	MA200 P % 0.001	MA200 Pb ppm 0.1	MA200 Rb ppm 0.1	MA200 Re ppm 0.005	MA200 S % 0.1	MA200 Sb ppm 0.1	MA200 Sc ppm 1	MA200 Se ppm 1	MA200 Sn ppm 0.1	MA200 Sr ppm 1	MA200 Ta ppm 0.1	MA200 Te ppm 0.5	MA200 Th ppm 0.1	MA200 Ti % 0.001
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXC145 Expected																					
STD OXN134 Expected																					
STD OXH139 Expected																					
STD OREAS45H Expected		0.238	380	1.55	0.09	14.8	423	0.023	11.9	22.5			0.63	57	2.02	1.93	27.1	1.08		7.26	0.878
STD OREAS25A-4A Expected		0.327	480	2.41	0.131	20.9	45.8	0.048	25.2	61		0.047	0.65	13.7	2.4	4.06	48.5	1.4		15.8	0.93
STD OREAS45E Expected		0.156	570	2.4	0.059	6.8	454	0.034	18.2	21.2		0.046	1	93	2.97	1.32	15.9	0.54	0.1	12.9	0.559
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<1	<0.1	<0.001	<0.1	0.3	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.003	<0.1	<0.1	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.003	<0.1	0.1	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
Prep Wash																					
ROCK-TIM	Prep Blank	0.54	710	1.7	3.684	6.0	1.1	0.048	8.2	34.0	<0.005	<0.1	0.5	7	<1	1.0	223	0.4	<0.5	3.4	0.226

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QUALITY CONTROL REPORT TIM19002273.1

		MA200 Tl ppm 0.5	MA200 U ppm 0.1	MA200 V ppm 1	MA200 W ppm 0.1	MA200 Y ppm 0.1	MA200 Zn ppm 1	MA200 Zr ppm 0.1
STD OXC145	Standard							
STD OXC145	Standard							
STD OXH139	Standard							
STD OXH139	Standard							
STD OXH139	Standard							
STD OXH139	Standard							
STD OXN134	Standard							
STD OXN134	Standard							
STD OXN134	Standard							
STD OXN134	Standard							
STD OXC145 Expected								
STD OXN134 Expected								
STD OXH139 Expected								
STD OREAS45H Expected			1.68	263	0.99	10.4	39.7	131
STD OREAS25A-4A Expected		0.35	2.94	157	2	10.5	44.4	155
STD OREAS45E Expected		0.15	2.41	322	1.07	8.28	46.7	97
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	0.1
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1
Prep Wash								
ROCK-TIM	Prep Blank	<0.5	1.3	35	0.3	18.7	59	55.6

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Report Date: October 31, 2019

QUALITY CONTROL REPORT TIM19002273.1

		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
ROCK-TIM	Prep Blank		<0.005	<0.1	7.56	2	821	<1	<0.1	1.61	<0.1	27	4.8	5	9.5	2.20	1.7	<0.05	1.69	13.6	4.0

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		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
		%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
ROCK-TIM	Prep Blank	0.51	668	0.9	3.633	5.8	1.0	0.042	5.4	34.7	<0.005	<0.1	0.2	7	<1	0.8	216	0.4	<0.5	3.2	0.229

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Report Date: October 31, 2019

QUALITY CONTROL REPORT TIM19002273.1

		MA200 Tl ppm 0.5	MA200 U ppm 0.1	MA200 V ppm 1	MA200 W ppm 0.1	MA200 Y ppm 0.1	MA200 Zn ppm 1	MA200 Zr ppm 0.1
ROCK-TIM	Prep Blank	<0.5	1.2	33	0.3	17.2	48	53.5

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By: Nicholas Wray
Receiving Lab: Canada-Timmins
Received: October 10, 2019
Report Date: November 09, 2019

CERTIFICATE OF ANALYSIS TIM19002274.1

CLIENT JOB INFORMATION

Project: SPJ
Shipment ID:
P.O. Number
Number of Samples: 100

SAMPLE DISPOSAL

RTRN-PLP Return After 90 days
RTRN-RJT Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP85-500	95	Crush split and pulverize 250g of sample to 200mesh			TIM
SHP01	100	Per sample shipping charges for branch shipments			TIM
SLBHP	5	Sort, label and box pulps			TIM
FA450	100	50g Lead Collection Fire Assay Fusion - AAS Finish	50	Completed	TIM
EN002	100	Environmental disposal charge-Fire assay lead waste			TIM
MA200	100	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
EN001-MA	100	Environmental disposal fee - Multi-acid neutralization			VAN

ADDITIONAL COMMENTS

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC: Quentin Yarie

JEFFREY CANNON
Geochemistry Department Supervisor

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All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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Project: SPJ
Report Date: November 09, 2019

CERTIFICATE OF ANALYSIS TIM19002274.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3482117	Drill Core	5.63	<0.005	<0.1	7.06	34	172	2	0.2	1.19	<0.1	64	14.9	72	6.8	1.28	4.0	<0.05	0.88	33.3	7.9
3482118	Drill Core	4.67	<0.005	<0.1	5.82	25	160	3	<0.1	0.81	<0.1	31	7.2	48	27.7	1.04	2.3	<0.05	0.74	14.2	7.3
3482119	Drill Core	5.56	<0.005	<0.1	5.80	16	147	2	<0.1	0.78	<0.1	31	3.7	34	26.1	0.93	2.2	<0.05	0.55	15.5	6.1
3482120	Rock Pulp	0.07	1.558	0.3	7.26	892	344	1	<0.1	5.92	<0.1	37	40.7	192	83.1	8.79	3.0	0.12	0.69	21.6	8.7
3482121	Drill Core	5.61	<0.005	<0.1	5.80	14	130	1	<0.1	0.78	<0.1	54	6.4	23	14.4	0.83	1.5	<0.05	0.47	26.2	5.4
3482122	Drill Core	5.80	<0.005	0.8	5.28	6	139	1	<0.1	0.44	<0.1	19	6.8	37	10.1	1.10	1.9	<0.05	0.47	9.2	5.9
3482123	Drill Core	6.38	<0.005	<0.1	6.27	6	159	1	<0.1	0.70	<0.1	30	5.1	27	6.0	0.95	1.5	<0.05	0.40	14.7	4.6
3482124	Drill Core	5.24	<0.005	<0.1	5.02	6	145	2	<0.1	0.37	<0.1	23	4.9	24	10.4	0.88	1.2	<0.05	0.35	11.7	5.2
3482125	Rock	0.20	<0.005	<0.1	8.76	<1	42	<1	<0.1	0.21	<0.1	2	<0.2	<1	5.7	0.39	0.4	<0.05	3.16	0.7	24.6
3482126	Drill Core	5.37	<0.005	<0.1	5.39	7	130	1	<0.1	0.42	<0.1	10	5.3	26	9.9	0.81	1.5	<0.05	0.34	4.9	4.8
3482127	Drill Core	6.51	<0.005	<0.1	6.76	6	157	2	<0.1	1.98	<0.1	31	5.9	35	14.7	1.29	1.8	<0.05	0.71	13.3	7.3
3482128	Drill Core	6.44	<0.005	<0.1	7.01	13	207	2	<0.1	1.59	<0.1	35	12.1	57	14.3	1.50	2.4	<0.05	0.98	16.7	9.0
3482129	Drill Core	6.39	<0.005	<0.1	5.96	6	161	1	<0.1	1.20	<0.1	22	6.6	40	15.5	1.15	2.1	<0.05	0.62	9.9	6.6
3482130	Drill Core	5.69	<0.005	<0.1	6.22	12	145	2	<0.1	0.87	<0.1	33	6.3	44	16.3	0.94	2.3	<0.05	0.56	15.2	5.3
3482131	Drill Core	5.78	<0.005	<0.1	5.15	8	150	1	<0.1	0.40	<0.1	17	7.9	34	8.2	1.16	2.0	<0.05	0.66	7.8	4.9
3482132	Drill Core	6.42	<0.005	<0.1	5.94	8	146	1	<0.1	0.94	<0.1	23	7.6	36	3.7	1.03	2.1	<0.05	0.53	10.9	5.6
3482133	Drill Core	6.50	<0.005	<0.1	5.81	8	166	2	<0.1	0.97	<0.1	26	6.2	33	6.2	1.03	1.7	<0.05	0.64	11.8	5.3
3482134	Drill Core	5.63	<0.005	<0.1	5.93	6	208	1	<0.1	0.52	<0.1	23	5.2	43	9.9	1.28	2.1	<0.05	0.89	10.7	6.3
3482135	Drill Core	5.45	<0.005	<0.1	5.94	4	197	2	<0.1	0.50	<0.1	41	4.8	48	14.6	1.16	2.8	<0.05	0.88	18.9	5.9
3482136	Drill Core	5.16	<0.005	<0.1	6.23	12	202	2	<0.1	0.45	<0.1	43	6.7	53	19.9	1.16	2.8	<0.05	0.95	19.5	5.9
3482137	Drill Core	6.33	<0.005	<0.1	5.81	4	169	2	<0.1	1.00	<0.1	23	6.1	36	11.8	1.37	1.8	<0.05	0.70	10.4	9.8
3482138	Drill Core	6.11	<0.005	<0.1	5.75	6	160	2	<0.1	0.42	<0.1	29	7.6	57	15.2	1.27	3.2	<0.05	0.63	12.1	7.2
3482139	Drill Core	5.30	<0.005	<0.1	5.78	4	169	2	<0.1	0.50	<0.1	50	6.0	68	15.4	1.23	3.4	<0.05	0.60	23.5	8.6
3482140	Rock Pulp	0.07	0.506	0.2	7.18	4	147	<1	<0.1	6.82	0.2	10	47.1	179	161.3	8.02	1.7	0.09	0.20	4.1	12.1
3482141	Drill Core	5.18	<0.005	<0.1	5.75	8	176	3	<0.1	0.45	<0.1	35	9.0	65	15.0	1.29	3.5	<0.05	0.65	15.7	8.2
3482142	Drill Core	6.95	<0.005	<0.1	5.62	6	126	2	<0.1	0.46	<0.1	11	7.5	60	11.8	1.22	3.1	<0.05	0.44	5.1	8.6
3482143	Drill Core	5.88	<0.005	<0.1	6.10	7	157	2	<0.1	0.34	0.2	13	6.8	45	9.4	1.16	2.3	<0.05	0.64	6.0	10.3
3482144	Drill Core	5.50	<0.005	<0.1	5.94	3	144	2	<0.1	0.43	<0.1	22	3.8	41	9.5	1.10	2.0	<0.05	0.55	10.1	10.0
3482145	Drill Core	5.96	<0.005	<0.1	6.18	2	223	2	<0.1	0.36	0.1	18	4.6	67	20.6	1.30	3.4	<0.05	0.92	8.3	9.0
3482146	Drill Core	4.01	<0.005	<0.1	6.27	3	166	1	<0.1	0.49	<0.1	31	4.6	50	17.0	1.51	2.4	<0.05	0.68	14.9	9.6

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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3482117	Drill Core	2.27	95	0.9	5.433	1.8	51.9	0.085	2.0	49.4	<0.005	0.2	0.2	13	<1	0.4	100	0.2	<0.5	12.2	0.107
3482118	Drill Core	1.65	83	0.6	5.287	1.7	43.6	0.052	2.0	16.4	<0.005	0.1	0.2	8	<1	0.4	79	0.2	<0.5	4.7	0.093
3482119	Drill Core	1.50	82	0.6	5.203	1.4	29.2	0.046	1.7	11.1	<0.005	<0.1	0.1	7	<1	1.3	90	0.1	<0.5	4.0	0.072
3482120	Rock Pulp	3.96	2014	3.0	2.138	18.6	142.2	0.191	4.9	21.6	<0.005	0.8	2.6	19	<1	2.0	367	1.1	0.5	3.4	0.905
3482121	Drill Core	1.27	91	0.5	5.107	0.9	27.8	0.037	2.1	12.3	<0.005	<0.1	0.1	5	<1	0.2	99	<0.1	<0.5	3.1	0.057
3482122	Drill Core	1.50	52	0.6	5.100	1.1	22.4	0.041	1.7	8.6	<0.005	<0.1	0.2	6	<1	0.2	82	0.1	<0.5	2.6	0.070
3482123	Drill Core	1.30	50	0.2	5.018	0.9	18.6	0.036	1.7	13.6	<0.005	<0.1	0.2	5	<1	0.2	125	<0.1	<0.5	3.4	0.053
3482124	Drill Core	1.14	37	0.2	5.162	0.6	18.5	0.028	2.1	6.1	<0.005	<0.1	0.1	4	<1	0.3	87	<0.1	<0.5	2.3	0.043
3482125	Rock	0.03	61	0.4	7.374	0.1	0.3	0.001	5.3	46.2	<0.005	<0.1	0.1	<1	<1	0.2	55	<0.1	<0.5	0.4	0.002
3482126	Drill Core	1.13	40	0.3	5.199	0.7	17.8	0.031	2.5	5.5	<0.005	<0.1	0.2	4	<1	0.2	88	<0.1	<0.5	2.8	0.044
3482127	Drill Core	2.06	114	0.2	4.919	1.4	24.9	0.044	6.0	37.0	<0.005	<0.1	0.2	7	<1	0.5	134	0.1	<0.5	4.9	0.088
3482128	Drill Core	2.63	99	0.3	4.950	1.9	38.6	0.050	3.3	49.8	<0.005	0.1	0.2	11	<1	0.5	113	0.2	<0.5	6.9	0.123
3482129	Drill Core	1.85	94	0.2	4.633	1.5	28.7	0.040	4.8	23.1	<0.005	0.1	0.2	7	<1	0.4	115	0.2	<0.5	4.5	0.087
3482130	Drill Core	1.46	88	0.3	5.357	1.1	26.6	0.044	2.0	15.7	<0.005	<0.1	0.2	7	<1	0.3	95	0.1	<0.5	5.0	0.071
3482131	Drill Core	1.51	38	0.2	4.878	1.3	23.5	0.037	1.4	23.4	<0.005	<0.1	0.2	6	<1	0.4	70	0.1	<0.5	2.7	0.092
3482132	Drill Core	1.50	64	0.3	4.878	1.0	21.7	0.036	1.4	14.6	<0.005	<0.1	0.1	6	<1	0.2	115	0.1	<0.5	3.8	0.069
3482133	Drill Core	1.59	68	0.2	4.753	1.0	21.8	0.043	1.6	16.3	<0.005	<0.1	0.1	6	<1	0.2	127	0.1	<0.5	3.0	0.070
3482134	Drill Core	1.85	51	0.4	5.366	1.3	24.6	0.048	2.8	28.1	<0.005	<0.1	0.2	9	<1	0.2	94	0.1	<0.5	3.4	0.095
3482135	Drill Core	1.68	62	0.3	5.030	1.3	26.5	0.050	5.3	29.2	<0.005	<0.1	0.1	8	<1	0.2	103	0.1	<0.5	4.9	0.093
3482136	Drill Core	1.68	42	0.5	5.316	1.4	27.9	0.058	6.2	34.3	<0.005	<0.1	0.2	10	<1	0.2	95	0.2	<0.5	5.2	0.103
3482137	Drill Core	1.59	111	0.2	4.604	1.1	20.1	0.049	6.6	19.2	<0.005	<0.1	0.4	7	<1	0.2	110	0.1	<0.5	3.4	0.137
3482138	Drill Core	1.88	65	0.2	5.214	1.3	25.1	0.062	3.6	16.8	<0.005	<0.1	0.2	10	<1	0.3	89	0.1	<0.5	5.0	0.091
3482139	Drill Core	1.91	66	0.4	4.797	1.5	22.0	0.074	3.3	18.8	<0.005	<0.1	0.2	9	<1	0.2	105	0.2	<0.5	6.5	0.098
3482140	Rock Pulp	4.27	1488	0.6	2.326	3.6	101.1	0.044	3.3	3.9	<0.005	0.1	0.5	44	<1	0.6	122	0.2	0.9	0.4	0.700
3482141	Drill Core	1.89	40	0.2	4.961	1.9	26.9	0.079	5.4	22.9	<0.005	0.1	0.2	8	<1	0.3	110	0.2	<0.5	6.1	0.112
3482142	Drill Core	1.78	56	0.7	5.122	1.5	25.2	0.061	2.1	9.5	<0.005	<0.1	0.1	9	<1	0.2	80	0.2	<0.5	5.0	0.091
3482143	Drill Core	1.76	45	0.3	5.097	1.5	25.2	0.046	4.9	22.8	<0.005	<0.1	0.2	8	<1	0.1	84	0.2	<0.5	4.8	0.094
3482144	Drill Core	1.64	55	0.2	4.989	1.1	20.5	0.041	2.6	13.2	<0.005	<0.1	0.2	6	1	0.1	90	0.1	<0.5	3.9	0.072
3482145	Drill Core	1.85	58	0.3	5.200	1.6	23.3	0.067	3.2	20.2	<0.005	<0.1	0.1	9	<1	0.3	130	0.2	<0.5	6.0	0.108
3482146	Drill Core	1.94	87	0.4	5.180	1.8	22.5	0.054	2.4	17.0	<0.005	<0.1	0.2	7	<1	0.3	140	0.2	<0.5	5.1	0.128

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: November 09, 2019

CERTIFICATE OF ANALYSIS TIM19002274.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3482117	Drill Core	<0.5	2.6	81	0.4	11.5	2	147.5
3482118	Drill Core	<0.5	1.4	66	0.5	6.3	1	90.0
3482119	Drill Core	<0.5	0.9	52	0.4	4.2	3	76.9
3482120	Rock Pulp	<0.5	0.9	163	1.3	22.2	109	124.5
3482121	Drill Core	<0.5	0.7	32	0.3	4.3	2	56.8
3482122	Drill Core	<0.5	0.7	40	1.9	3.9	3	67.5
3482123	Drill Core	<0.5	1.3	33	0.2	4.5	2	52.9
3482124	Drill Core	<0.5	0.5	30	0.1	2.9	3	40.1
3482125	Rock	0.5	0.4	<1	<0.1	2.1	10	22.3
3482126	Drill Core	<0.5	0.7	33	0.2	3.0	2	54.8
3482127	Drill Core	<0.5	1.6	48	0.3	9.1	3	66.9
3482128	Drill Core	<0.5	1.9	75	0.3	11.6	5	91.0
3482129	Drill Core	<0.5	1.0	47	0.3	5.6	3	69.7
3482130	Drill Core	<0.5	1.4	49	0.5	5.2	2	83.7
3482131	Drill Core	<0.5	0.7	41	0.3	4.0	3	70.4
3482132	Drill Core	<0.5	1.0	41	0.3	5.3	2	74.7
3482133	Drill Core	<0.5	0.8	41	0.2	4.5	2	57.9
3482134	Drill Core	<0.5	0.6	64	0.2	3.9	4	73.2
3482135	Drill Core	<0.5	0.9	58	0.2	4.4	3	96.8
3482136	Drill Core	<0.5	1.1	72	0.3	5.1	2	102.2
3482137	Drill Core	<0.5	0.8	52	0.3	6.0	4	63.4
3482138	Drill Core	<0.5	1.1	59	0.2	5.5	3	111.3
3482139	Drill Core	<0.5	1.1	54	0.2	6.3	22	119.5
3482140	Rock Pulp	<0.5	0.1	319	1.1	22.6	84	49.4
3482141	Drill Core	<0.5	1.3	57	0.3	5.3	5	117.8
3482142	Drill Core	<0.5	1.2	54	0.2	4.9	2	114.9
3482143	Drill Core	<0.5	1.4	49	0.2	4.9	44	81.9
3482144	Drill Core	<0.5	1.4	43	0.2	5.3	25	73.4
3482145	Drill Core	<0.5	1.4	60	0.3	6.3	47	119.3
3482146	Drill Core	<0.5	1.4	52	0.4	8.5	25	88.6

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: November 09, 2019

CERTIFICATE OF ANALYSIS TIM19002274.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3482147	Drill Core	6.70	<0.005	<0.1	8.09	<1	496	1	<0.1	5.87	<0.1	43	58.8	44	47.0	10.65	4.3	0.10	0.96	19.2	17.3
3482148	Drill Core	5.85	<0.005	<0.1	8.13	2	467	1	<0.1	5.40	<0.1	43	57.5	46	45.5	10.47	3.9	0.06	1.09	18.8	25.3
3482149	Drill Core	7.25	<0.005	<0.1	8.06	2	492	1	<0.1	3.59	<0.1	59	55.6	42	44.3	10.35	3.6	0.10	2.13	28.4	64.7
3482150	Rock	0.20	<0.005	<0.1	8.24	2	43	<1	<0.1	0.20	0.1	1	0.3	<1	3.2	0.36	0.4	<0.05	3.79	0.6	25.0
3482151	Drill Core	5.26	<0.005	<0.1	8.19	3	468	1	<0.1	3.08	<0.1	68	54.6	48	43.4	9.61	3.9	0.06	3.33	34.6	78.1
3482152	Drill Core	6.44	<0.005	<0.1	7.77	2	535	<1	<0.1	5.50	<0.1	39	53.3	44	40.9	9.60	3.4	0.09	0.94	17.5	15.9
3482153	Drill Core	5.99	<0.005	<0.1	6.51	7	264	1	<0.1	1.64	<0.1	24	17.8	58	15.5	3.13	2.8	<0.05	0.67	10.9	9.7
3482154	Drill Core	5.64	<0.005	<0.1	5.86	12	153	2	<0.1	0.36	<0.1	32	9.1	63	15.1	1.30	3.0	<0.05	0.63	15.6	7.6
3482155	Drill Core	6.03	<0.005	<0.1	6.16	10	117	2	<0.1	1.16	<0.1	38	6.0	55	8.5	0.98	3.0	<0.05	0.53	18.3	5.8
3482156	Drill Core	5.74	<0.005	<0.1	5.09	7	96	2	<0.1	0.57	<0.1	22	4.6	39	8.7	0.92	1.8	<0.05	0.42	10.7	4.5
3482157	Drill Core	5.21	<0.005	<0.1	6.28	22	126	3	<0.1	1.19	<0.1	32	8.7	77	9.3	0.98	3.0	<0.05	0.59	15.4	5.4
3482158	Drill Core	5.03	<0.005	<0.1	6.47	29	100	2	<0.1	2.03	<0.1	25	5.0	35	3.7	0.80	2.1	<0.05	0.49	12.0	3.8
3482159	Drill Core	5.73	0.005	<0.1	6.11	18	137	2	<0.1	0.92	<0.1	37	5.9	38	5.2	0.83	2.1	<0.05	0.67	17.0	4.8
3482160	Rock Pulp	0.07	5.393	0.9	6.18	25	227	<1	0.3	5.39	0.2	12	42.6	269	138.4	6.97	1.4	0.08	0.46	5.6	17.5
3482161	Drill Core	5.84	<0.005	<0.1	6.05	9	123	2	<0.1	0.87	<0.1	31	7.0	41	13.3	1.06	2.3	<0.05	0.53	14.6	6.4
3482162	Drill Core	4.31	0.005	<0.1	6.57	6	87	2	<0.1	1.59	<0.1	24	2.6	33	3.0	0.67	1.9	<0.05	0.39	11.6	2.9
3482163	Drill Core	6.88	<0.005	<0.1	5.84	8	150	2	<0.1	0.65	<0.1	50	6.4	36	20.8	0.96	1.6	<0.05	0.56	24.5	3.9
3482164	Drill Core	4.82	<0.005	<0.1	6.66	7	71	2	<0.1	2.65	<0.1	34	3.7	54	4.8	1.07	2.5	<0.05	0.35	17.1	5.9
3482165	Drill Core	5.95	<0.005	<0.1	5.89	13	96	2	<0.1	0.93	<0.1	37	7.5	43	15.2	0.97	2.1	<0.05	0.40	17.5	5.3
3482166	Drill Core	5.88	0.008	<0.1	6.33	34	135	2	<0.1	1.07	<0.1	36	14.1	67	29.0	1.02	2.9	<0.05	0.59	18.1	6.9
3482167	Drill Core	5.95	<0.005	<0.1	5.49	29	110	2	<0.1	0.71	<0.1	38	14.4	53	30.9	0.96	2.3	<0.05	0.52	18.6	5.1
3482168	Drill Core	6.04	<0.005	<0.1	6.20	11	122	2	<0.1	0.96	<0.1	40	6.3	57	12.6	1.03	2.3	<0.05	0.58	20.1	6.6
3482169	Drill Core	5.62	<0.005	<0.1	5.71	7	99	1	<0.1	0.72	<0.1	57	3.3	25	5.7	0.77	1.2	<0.05	0.42	28.4	4.1
3482170	Drill Core	5.61	<0.005	<0.1	5.45	7	126	2	<0.1	0.45	<0.1	33	3.8	34	9.3	0.87	1.3	<0.05	0.47	17.3	4.7
3482171	Drill Core	4.53	<0.005	<0.1	5.77	8	117	2	<0.1	0.71	<0.1	60	4.4	30	13.3	0.90	1.5	<0.05	0.39	30.3	4.0
3482172	Drill Core	5.02	<0.005	<0.1	5.90	10	110	2	<0.1	0.74	<0.1	24	4.9	41	16.2	0.98	1.6	<0.05	0.43	10.8	4.8
3482173	Drill Core	3.80	<0.005	<0.1	6.52	14	99	2	<0.1	1.60	<0.1	54	4.6	39	12.0	0.79	2.0	<0.05	0.48	26.0	5.1
3482174	Drill Core	5.97	<0.005	<0.1	5.85	17	113	2	<0.1	0.77	<0.1	42	7.8	38	15.6	0.75	2.2	<0.05	0.42	20.0	4.4
3482175	Rock	0.21	<0.005	<0.1	7.77	2	45	<1	<0.1	0.19	<0.1	2	<0.2	2	2.8	0.39	0.5	<0.05	3.72	0.8	23.0
3482176	Drill Core	7.28	<0.005	<0.1	5.23	17	122	2	<0.1	0.57	<0.1	32	9.1	49	13.9	0.87	1.8	<0.05	0.52	15.2	5.4

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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3482147	Drill Core	3.72	1529	0.7	2.302	9.0	78.2	0.259	3.1	24.5	<0.005	<0.1	<0.1	27	<1	1.2	415	0.5	<0.5	0.7	1.758
3482148	Drill Core	3.82	1486	0.6	2.200	8.3	74.4	0.245	4.6	40.5	<0.005	<0.1	0.1	25	<1	1.1	475	0.5	<0.5	0.7	1.669
3482149	Drill Core	4.81	1156	0.7	1.608	8.2	83.1	0.223	7.0	57.2	<0.005	0.1	0.5	24	<1	1.2	415	0.5	<0.5	0.7	1.653
3482150	Rock	0.04	61	0.3	7.366	0.5	0.6	0.002	4.9	52.9	<0.005	<0.1	0.2	<1	<1	0.3	47	<0.1	<0.5	0.4	0.005
3482151	Drill Core	4.72	998	0.6	1.152	8.5	79.5	0.231	3.8	53.2	<0.005	<0.1	0.1	22	<1	1.3	302	0.5	0.7	0.8	1.731
3482152	Drill Core	3.51	1483	0.6	2.131	8.1	76.0	0.255	2.8	32.4	<0.005	<0.1	<0.1	24	<1	1.2	408	0.4	<0.5	0.8	1.773
3482153	Drill Core	2.16	330	0.3	4.168	3.0	35.9	0.097	1.5	18.3	<0.005	<0.1	0.2	11	<1	0.4	182	0.2	<0.5	4.1	0.445
3482154	Drill Core	1.88	58	0.5	5.286	1.3	24.6	0.060	1.7	24.4	<0.005	<0.1	0.2	8	<1	0.2	84	0.1	<0.5	4.8	0.090
3482155	Drill Core	1.65	120	0.4	5.081	1.6	21.2	0.054	1.6	23.3	<0.005	<0.1	0.2	9	<1	0.2	86	0.1	<0.5	6.2	0.086
3482156	Drill Core	1.40	56	0.3	5.294	1.4	21.2	0.032	1.4	8.1	<0.005	<0.1	0.2	5	<1	0.2	67	0.1	<0.5	2.8	0.071
3482157	Drill Core	1.69	118	0.4	4.996	2.2	32.0	0.069	1.7	28.5	<0.005	<0.1	0.1	9	<1	0.2	101	0.2	<0.5	8.2	0.101
3482158	Drill Core	1.64	192	0.3	5.108	1.2	25.8	0.043	1.1	22.5	<0.005	<0.1	0.1	9	<1	0.2	91	0.1	<0.5	4.6	0.065
3482159	Drill Core	1.39	84	0.2	5.118	1.5	26.3	0.040	1.2	30.6	<0.005	<0.1	0.1	6	<1	0.2	102	0.1	<0.5	4.3	0.083
3482160	Rock Pulp	3.93	1235	2.7	1.911	3.2	119.1	0.042	16.5	14.7	<0.005	0.4	0.4	34	<1	0.6	106	0.2	0.7	1.1	0.584
3482161	Drill Core	1.62	78	0.3	4.938	1.5	23.1	0.048	1.6	20.9	<0.005	<0.1	0.2	6	<1	0.3	102	0.1	<0.5	4.6	0.085
3482162	Drill Core	1.29	175	0.3	5.471	1.0	9.6	0.046	1.3	14.1	<0.005	<0.1	0.1	6	<1	0.1	99	<0.1	<0.5	4.8	0.047
3482163	Drill Core	1.29	57	0.2	4.840	1.0	21.9	0.036	5.2	24.1	<0.005	0.1	0.4	5	<1	0.1	114	0.1	<0.5	3.6	0.065
3482164	Drill Core	1.87	202	0.4	5.087	2.0	14.5	0.047	1.0	11.5	<0.005	<0.1	0.1	10	<1	0.4	87	0.2	<0.5	6.0	0.092
3482165	Drill Core	1.45	71	0.3	4.848	1.3	23.9	0.054	1.4	15.3	<0.005	<0.1	0.2	6	<1	0.2	98	0.1	<0.5	4.3	0.072
3482166	Drill Core	1.53	115	0.4	5.376	1.6	28.7	0.055	2.3	18.2	<0.005	<0.1	0.2	8	<1	0.3	109	0.2	<0.5	7.1	0.106
3482167	Drill Core	1.51	83	0.6	5.133	1.2	32.1	0.058	3.5	12.7	<0.005	<0.1	0.2	6	<1	0.4	90	0.1	<0.5	3.9	0.070
3482168	Drill Core	1.65	86	0.7	5.025	1.2	27.0	0.055	3.6	22.8	<0.005	<0.1	0.2	8	<1	2.1	111	0.1	<0.5	5.6	0.074
3482169	Drill Core	1.23	76	0.4	5.241	0.7	14.6	0.028	1.9	10.1	<0.005	<0.1	0.2	4	<1	0.5	92	<0.1	<0.5	2.4	0.044
3482170	Drill Core	1.35	53	0.8	5.114	0.7	15.9	0.030	1.8	10.3	<0.005	<0.1	0.1	5	<1	<0.1	104	<0.1	<0.5	2.3	0.049
3482171	Drill Core	1.29	70	0.7	5.008	0.9	16.4	0.036	2.7	9.7	<0.005	<0.1	0.3	4	<1	0.1	125	0.1	<0.5	3.0	0.049
3482172	Drill Core	1.44	69	0.5	5.231	1.1	21.7	0.040	2.3	8.9	<0.005	<0.1	0.2	6	<1	0.2	109	0.1	<0.5	3.2	0.063
3482173	Drill Core	1.61	164	0.2	5.015	1.5	19.1	0.047	2.1	16.6	<0.005	<0.1	0.2	7	<1	0.1	104	0.1	<0.5	5.1	0.073
3482174	Drill Core	1.02	97	0.3	5.239	1.0	21.4	0.051	2.6	10.5	<0.005	<0.1	0.3	4	<1	0.2	105	0.1	<0.5	4.3	0.052
3482175	Rock	0.03	63	0.2	6.921	0.2	0.5	0.001	5.1	53.4	<0.005	<0.1	0.1	<1	<1	0.1	51	<0.1	<0.5	0.3	0.002
3482176	Drill Core	1.38	73	0.5	5.016	1.4	29.0	0.037	2.2	9.6	<0.005	<0.1	0.2	6	<1	0.2	86	0.1	<0.5	3.5	0.077

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: November 09, 2019

CERTIFICATE OF ANALYSIS TIM19002274.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3482147	Drill Core	<0.5	0.3	293	0.2	34.6	126	156.8
3482148	Drill Core	<0.5	0.2	296	0.2	31.4	127	143.7
3482149	Drill Core	<0.5	0.3	287	0.2	33.3	68	144.3
3482150	Rock	0.6	0.2	<1	<0.1	1.8	9	19.9
3482151	Drill Core	<0.5	0.5	292	0.5	33.8	94	146.5
3482152	Drill Core	<0.5	0.2	277	<0.1	31.0	123	142.9
3482153	Drill Core	<0.5	1.0	93	0.3	10.1	30	98.0
3482154	Drill Core	<0.5	1.8	56	0.2	5.6	3	110.0
3482155	Drill Core	<0.5	2.0	52	0.6	8.3	6	107.4
3482156	Drill Core	<0.5	1.2	44	0.3	4.2	2	60.0
3482157	Drill Core	<0.5	2.5	57	1.1	9.4	2	109.6
3482158	Drill Core	<0.5	1.6	45	0.5	9.4	1	75.5
3482159	Drill Core	<0.5	1.2	50	0.7	6.6	2	74.5
3482160	Rock Pulp	<0.5	0.3	254	4.9	19.0	83	48.8
3482161	Drill Core	<0.5	1.4	42	0.5	7.1	2	82.6
3482162	Drill Core	<0.5	1.9	31	0.6	7.8	2	70.6
3482163	Drill Core	<0.5	1.1	35	0.3	5.4	10	64.5
3482164	Drill Core	<0.5	1.6	53	1.2	9.7	3	98.1
3482165	Drill Core	<0.5	1.8	42	0.6	7.7	2	75.3
3482166	Drill Core	<0.5	1.6	53	0.8	7.5	3	112.5
3482167	Drill Core	<0.5	1.2	51	0.6	5.3	2	85.6
3482168	Drill Core	<0.5	1.8	50	0.6	7.0	4	84.6
3482169	Drill Core	<0.5	0.6	31	0.3	4.3	4	44.2
3482170	Drill Core	<0.5	0.7	35	0.2	3.4	2	42.4
3482171	Drill Core	<0.5	1.3	30	0.3	5.3	15	51.2
3482172	Drill Core	<0.5	1.0	44	0.3	4.4	4	55.9
3482173	Drill Core	<0.5	1.3	38	0.8	8.2	3	67.7
3482174	Drill Core	<0.5	1.7	34	0.6	5.8	3	75.1
3482175	Rock	0.5	0.2	<1	<0.1	2.1	8	20.6
3482176	Drill Core	<0.5	1.0	48	0.4	5.4	3	64.7

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: November 09, 2019

CERTIFICATE OF ANALYSIS TIM19002274.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3482177	Drill Core	6.23	<0.005	<0.1	6.25	27	151	2	<0.1	0.66	<0.1	37	14.5	64	27.1	1.27	2.9	<0.05	0.69	17.7	7.6
3482178	Drill Core	5.09	<0.005	<0.1	5.61	31	112	1	<0.1	1.02	<0.1	33	11.7	34	12.5	0.86	1.4	<0.05	0.47	16.0	5.1
3482179	Drill Core	4.98	<0.005	<0.1	6.01	28	144	2	<0.1	0.79	<0.1	50	11.5	56	15.2	0.94	3.1	<0.05	0.55	24.3	5.3
3482180	Rock Pulp	0.07	1.566	0.2	6.95	837	344	1	<0.1	5.71	<0.1	36	41.4	183	81.0	8.17	3.1	<0.05	0.65	21.1	9.0
3482181	Drill Core	5.84	<0.005	<0.1	6.27	65	133	2	<0.1	1.33	<0.1	49	29.3	62	46.3	0.80	2.8	<0.05	0.58	24.5	3.9
3482182	Drill Core	5.76	<0.005	<0.1	6.65	30	163	3	<0.1	1.46	<0.1	46	10.1	48	24.4	0.93	2.3	<0.05	0.57	22.2	6.4
3482183	Drill Core	6.02	<0.005	<0.1	6.20	15	95	2	<0.1	1.16	<0.1	40	8.2	39	9.0	0.74	2.4	<0.05	0.39	19.2	3.0
3482184	Drill Core	5.92	0.032	<0.1	6.02	7	118	1	<0.1	1.62	<0.1	31	9.5	41	6.7	0.97	2.0	<0.05	0.38	14.5	3.9
3482185	Drill Core	4.87	0.015	<0.1	5.82	10	162	2	<0.1	0.41	<0.1	15	12.9	90	22.9	1.82	3.3	<0.05	0.54	7.2	7.1
3482186	Drill Core	4.98	<0.005	<0.1	5.71	4	157	<1	<0.1	0.43	<0.1	29	8.0	39	11.7	1.04	2.3	<0.05	0.42	13.6	6.1
3482187	Drill Core	5.81	<0.005	<0.1	4.96	5	132	2	<0.1	0.59	<0.1	68	15.8	35	4.9	0.87	2.0	<0.05	0.34	33.4	6.3
3482188	Drill Core	4.63	<0.005	<0.1	5.92	2	110	2	<0.1	0.92	<0.1	23	4.8	30	4.5	0.88	2.0	<0.05	0.37	10.3	4.9
3482189	Drill Core	5.17	<0.005	<0.1	6.16	8	141	2	<0.1	1.02	<0.1	54	8.6	39	12.2	1.07	2.0	<0.05	0.50	24.8	6.2
3482190	Drill Core	4.92	<0.005	<0.1	7.10	13	237	1	<0.1	2.76	<0.1	54	30.7	63	25.0	4.27	3.4	<0.05	0.60	23.1	10.8
3482191	Drill Core	3.76	<0.005	<0.1	6.22	11	143	2	<0.1	1.91	<0.1	47	7.9	55	10.9	0.95	3.7	<0.05	0.38	23.4	6.6
3482192	Drill Core	5.04	<0.005	<0.1	6.36	10	118	1	<0.1	1.23	<0.1	37	5.7	34	12.0	0.68	1.6	<0.05	0.36	18.8	3.5
3482193	Drill Core	4.79	<0.005	<0.1	6.22	6	108	2	<0.1	1.15	<0.1	25	4.8	34	7.8	0.69	1.7	<0.05	0.37	11.7	4.5
3482194	Drill Core	4.83	<0.005	<0.1	5.91	5	77	2	<0.1	1.02	<0.1	54	3.1	27	4.9	0.69	1.7	<0.05	0.29	27.8	3.8
3482195	Drill Core	4.45	0.022	<0.1	6.54	4	67	1	<0.1	1.66	<0.1	52	2.4	26	4.3	0.66	2.0	<0.05	0.24	27.3	1.6
3482196	Drill Core	5.17	<0.005	<0.1	5.40	4	122	1	<0.1	0.53	<0.1	24	2.8	24	6.4	0.78	1.5	<0.05	0.36	11.2	6.7
3482197	Drill Core	5.24	0.005	<0.1	6.10	3	84	1	<0.1	1.00	<0.1	36	2.0	29	5.5	0.59	1.9	<0.05	0.26	17.7	3.6
3482198	Rock Pulp	0.06	0.530	0.1	7.30	5	143	<1	<0.1	6.91	<0.1	10	45.5	164	157.1	7.94	1.5	0.08	0.18	4.3	11.5
3482199	Drill Core	5.64	0.008	<0.1	5.83	8	79	2	<0.1	0.79	<0.1	26	6.1	47	13.1	0.81	2.7	<0.05	0.34	11.7	6.0
3482200	Rock	0.20	0.009	<0.1	8.48	1	36	<1	<0.1	0.20	<0.1	2	<0.2	<1	1.6	0.36	0.4	<0.05	3.95	0.7	23.8
3482201	Drill Core	5.47	0.097	<0.1	6.62	8	55	2	<0.1	1.96	<0.1	33	9.7	39	6.9	0.69	2.4	<0.05	0.18	16.7	2.1
3482202	Drill Core	5.09	0.010	<0.1	6.33	4	46	2	<0.1	1.72	<0.1	45	2.6	24	6.1	0.63	1.7	<0.05	0.18	23.1	2.5
3482203	Drill Core	4.90	0.008	<0.1	6.22	3	35	2	<0.1	2.24	<0.1	42	2.3	29	3.5	1.07	1.7	<0.05	0.23	20.6	8.9
3482204	Drill Core	8.01	<0.005	<0.1	8.29	2	446	1	<0.1	5.01	0.1	54	54.9	46	43.2	9.69	3.9	0.09	1.23	25.4	39.9
3482205	Drill Core	6.44	<0.005	<0.1	8.34	<1	435	<1	<0.1	5.61	<0.1	37	61.3	57	38.9	10.46	3.4	<0.05	0.86	16.0	19.3
3482206	Drill Core	7.39	<0.005	<0.1	7.85	2	423	2	<0.1	4.80	<0.1	38	49.5	43	37.3	8.81	3.4	0.10	0.85	17.0	21.9

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Project: SPJ
Report Date: November 09, 2019

CERTIFICATE OF ANALYSIS TIM19002274.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3482177	Drill Core	2.24	70	0.2	4.832	2.4	43.2	0.056	2.3	25.6	<0.005	0.1	0.1	9	<1	0.2	98	0.2	<0.5	6.6	0.119
3482178	Drill Core	1.52	129	0.4	4.719	1.1	28.6	0.040	2.0	14.1	<0.005	<0.1	0.3	6	<1	0.1	108	0.1	<0.5	3.5	0.055
3482179	Drill Core	1.54	99	0.4	5.011	1.8	32.9	0.055	3.6	16.0	<0.005	0.1	0.2	7	<1	0.3	109	0.2	<0.5	6.5	0.086
3482180	Rock Pulp	3.77	1944	2.7	2.028	17.8	140.5	0.164	4.8	21.1	<0.005	0.7	2.3	18	<1	1.8	360	1.1	0.9	3.3	0.920
3482181	Drill Core	1.36	134	0.3	5.055	1.4	36.2	0.075	2.9	23.4	<0.005	<0.1	0.5	7	<1	0.2	109	0.1	<0.5	7.9	0.070
3482182	Drill Core	1.74	112	0.3	5.157	1.4	31.8	0.053	2.5	23.7	<0.005	<0.1	0.3	8	<1	0.4	111	0.2	<0.5	5.8	0.076
3482183	Drill Core	1.13	110	0.7	5.240	1.0	18.0	0.040	1.3	14.5	<0.005	<0.1	0.2	5	<1	0.2	94	0.1	<0.5	5.2	0.055
3482184	Drill Core	1.51	181	0.5	4.499	1.0	16.4	0.044	1.3	14.2	<0.005	<0.1	0.1	7	<1	0.1	111	0.1	<0.5	5.0	0.051
3482185	Drill Core	1.59	73	0.3	4.834	1.4	30.7	0.066	1.4	16.6	<0.005	0.1	0.2	8	<1	0.3	111	0.2	<0.5	6.8	0.075
3482186	Drill Core	1.42	53	0.5	5.082	1.2	21.1	0.040	1.6	13.2	<0.005	<0.1	0.2	6	<1	0.3	120	0.1	<0.5	4.4	0.053
3482187	Drill Core	1.14	64	0.2	5.018	0.8	17.1	0.028	1.4	5.2	<0.005	<0.1	0.1	4	<1	0.3	101	<0.1	<0.5	3.1	0.044
3482188	Drill Core	1.38	101	0.5	5.368	0.9	19.4	0.031	1.2	6.5	<0.005	<0.1	0.2	5	<1	0.3	104	<0.1	<0.5	3.8	0.044
3482189	Drill Core	1.39	136	0.5	5.119	1.4	22.4	0.066	1.6	18.0	<0.005	<0.1	0.2	7	<1	0.2	124	0.1	<0.5	5.1	0.095
3482190	Drill Core	2.29	483	0.6	4.283	3.9	54.6	0.123	3.5	14.3	<0.005	0.1	0.4	13	<1	0.6	216	0.2	<0.5	4.0	0.648
3482191	Drill Core	1.90	132	0.5	5.218	1.6	23.5	0.068	1.3	10.6	<0.005	<0.1	0.3	11	<1	0.3	98	0.2	<0.5	6.4	0.066
3482192	Drill Core	1.22	93	0.3	5.564	0.8	17.1	0.042	1.1	17.1	<0.005	<0.1	0.2	6	<1	0.2	108	<0.1	<0.5	3.9	0.041
3482193	Drill Core	1.16	100	0.3	5.623	0.9	16.2	0.039	1.1	12.1	<0.005	<0.1	0.2	6	<1	0.3	91	<0.1	<0.5	4.0	0.047
3482194	Drill Core	1.03	105	0.5	5.588	0.9	12.8	0.040	1.0	7.5	<0.005	<0.1	0.2	5	<1	0.2	75	<0.1	<0.5	4.2	0.040
3482195	Drill Core	1.02	150	0.8	5.735	0.7	9.4	0.035	1.0	9.7	<0.005	<0.1	0.2	5	<1	0.2	72	<0.1	<0.5	4.7	0.032
3482196	Drill Core	1.19	61	0.3	5.136	0.7	17.5	0.029	0.8	6.9	<0.005	<0.1	0.2	4	<1	0.2	74	<0.1	<0.5	2.8	0.042
3482197	Drill Core	0.90	109	0.4	5.633	1.0	12.1	0.032	1.0	5.8	<0.005	<0.1	0.2	5	<1	0.3	78	<0.1	<0.5	3.4	0.040
3482198	Rock Pulp	4.27	1414	0.6	2.306	3.6	96.9	0.044	2.9	3.9	<0.005	0.1	0.5	43	<1	0.6	118	0.2	<0.5	0.4	0.672
3482199	Drill Core	1.24	77	0.3	5.489	1.5	23.1	0.060	1.0	8.6	<0.005	<0.1	0.1	5	<1	0.2	76	0.1	<0.5	4.9	0.068
3482200	Rock	0.03	54	0.3	7.580	<0.1	0.4	<0.001	4.7	49.7	<0.005	<0.1	0.2	<1	<1	0.1	46	<0.1	<0.5	0.3	0.002
3482201	Drill Core	1.20	154	0.3	5.947	1.2	16.7	0.049	1.2	5.2	<0.005	0.1	0.3	8	<1	0.4	71	0.1	<0.5	6.3	0.049
3482202	Drill Core	1.09	168	0.2	5.493	0.8	9.1	0.051	1.3	6.5	<0.005	<0.1	0.2	6	<1	0.2	71	<0.1	<0.5	4.4	0.038
3482203	Drill Core	1.92	251	0.4	5.258	0.7	10.0	0.052	2.5	2.2	<0.005	<0.1	0.5	7	<1	1.5	62	<0.1	<0.5	4.0	0.053
3482204	Drill Core	3.90	1182	0.7	2.030	8.7	81.8	0.252	5.4	38.0	<0.005	0.1	0.3	26	<1	1.8	369	0.5	0.7	0.7	1.795
3482205	Drill Core	3.98	1456	0.6	2.187	8.0	88.1	0.222	3.3	28.0	<0.005	<0.1	<0.1	24	<1	1.1	421	0.5	0.7	0.6	1.678
3482206	Drill Core	3.58	1175	0.5	2.572	7.1	71.5	0.209	3.9	26.5	<0.005	0.1	0.2	22	<1	1.0	333	0.4	<0.5	1.1	1.463

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Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: November 09, 2019

CERTIFICATE OF ANALYSIS TIM19002274.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3482177	Drill Core	<0.5	1.9	68	0.5	8.9	7	97.9
3482178	Drill Core	<0.5	0.9	33	0.5	6.3	2	50.3
3482179	Drill Core	<0.5	2.0	46	0.7	6.8	2	107.3
3482180	Rock Pulp	<0.5	1.0	157	1.4	21.3	101	113.4
3482181	Drill Core	<0.5	2.2	39	0.8	9.0	10	94.2
3482182	Drill Core	<0.5	2.3	46	1.1	8.8	3	79.7
3482183	Drill Core	<0.5	2.2	28	0.8	5.9	1	77.0
3482184	Drill Core	<0.5	1.3	32	0.4	6.8	1	65.8
3482185	Drill Core	<0.5	2.2	54	0.4	5.6	2	107.6
3482186	Drill Core	<0.5	1.2	39	0.1	5.4	3	83.4
3482187	Drill Core	<0.5	0.7	27	0.1	4.3	1	76.3
3482188	Drill Core	<0.5	1.2	30	0.3	5.7	2	73.3
3482189	Drill Core	<0.5	1.3	43	0.4	7.5	4	74.6
3482190	Drill Core	<0.5	1.2	130	0.4	27.4	35	133.5
3482191	Drill Core	<0.5	1.9	48	0.8	11.4	2	134.1
3482192	Drill Core	<0.5	1.3	35	0.5	6.6	1	62.6
3482193	Drill Core	<0.5	1.0	34	0.5	5.2	1	68.9
3482194	Drill Core	<0.5	1.0	32	0.4	5.4	2	70.5
3482195	Drill Core	<0.5	1.5	25	0.7	7.0	<1	74.3
3482196	Drill Core	<0.5	0.7	35	0.3	4.2	3	58.3
3482197	Drill Core	<0.5	1.1	26	0.8	5.3	1	67.4
3482198	Rock Pulp	<0.5	0.1	307	1.1	21.7	82	49.8
3482199	Drill Core	<0.5	1.6	45	0.7	5.7	2	112.6
3482200	Rock	<0.5	0.2	<1	<0.1	2.0	7	22.6
3482201	Drill Core	<0.5	2.3	33	1.7	8.7	5	87.5
3482202	Drill Core	<0.5	2.0	25	1.1	7.3	4	62.5
3482203	Drill Core	<0.5	1.7	30	0.8	12.6	3	65.5
3482204	Drill Core	<0.5	0.2	283	0.2	34.5	103	148.9
3482205	Drill Core	<0.5	0.2	277	0.1	28.6	127	136.4
3482206	Drill Core	<0.5	0.4	237	0.1	29.5	94	136.0

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: November 09, 2019

CERTIFICATE OF ANALYSIS TIM19002274.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3482207	Drill Core	5.24	<0.005	<0.1	6.01	5	92	2	<0.1	0.82	<0.1	28	6.6	39	7.5	1.28	2.0	<0.05	0.36	13.5	11.3
3482208	Drill Core	5.69	<0.005	<0.1	6.02	4	108	2	<0.1	0.71	<0.1	43	6.8	37	7.3	0.97	1.8	<0.05	0.37	21.4	7.8
3482209	Drill Core	5.27	0.009	<0.1	5.13	3	75	1	<0.1	0.60	<0.1	25	5.7	31	4.8	0.85	1.5	<0.05	0.23	11.5	5.5
3482210	Drill Core	6.03	<0.005	<0.1	4.65	2	71	2	<0.1	0.56	<0.1	22	4.8	35	3.9	0.92	1.8	<0.05	0.25	10.4	5.5
3482211	Drill Core	5.29	<0.005	<0.1	5.32	6	81	2	<0.1	0.56	<0.1	32	9.2	36	5.2	0.91	1.9	<0.05	0.29	15.1	7.6
3482212	Drill Core	4.60	0.012	<0.1	5.75	3	107	1	<0.1	0.79	<0.1	29	6.7	39	3.4	0.83	1.6	<0.05	0.33	13.5	6.0
3482213	Drill Core	4.62	<0.005	<0.1	5.02	5	104	2	<0.1	0.56	<0.1	39	6.0	40	8.9	0.99	1.7	<0.05	0.34	20.0	6.6
3482214	Drill Core	5.01	<0.005	<0.1	5.91	6	115	2	<0.1	0.68	<0.1	30	6.8	46	7.9	1.01	2.0	<0.05	0.39	14.3	7.3
3482215	Drill Core	5.92	0.059	<0.1	6.53	9	48	1	<0.1	1.38	<0.1	31	7.6	44	15.8	0.57	4.0	<0.05	0.13	16.4	1.0
3482216	Drill Core	6.29	0.005	<0.1	6.73	18	124	3	<0.1	2.41	<0.1	39	17.4	70	34.3	1.80	3.6	<0.05	0.58	19.4	8.5

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
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Project: SPJ
Report Date: November 09, 2019

CERTIFICATE OF ANALYSIS TIM19002274.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3482207	Drill Core	1.78	151	0.4	5.031	1.1	22.1	0.050	1.4	8.4	<0.005	<0.1	0.2	7	<1	0.2	94	0.1	<0.5	4.6	0.100
3482208	Drill Core	1.54	84	0.5	5.253	0.9	26.3	0.049	1.7	10.8	<0.005	<0.1	0.2	6	<1	0.2	110	<0.1	<0.5	4.2	0.071
3482209	Drill Core	1.29	72	0.3	5.038	0.7	21.9	0.035	1.2	2.8	<0.005	<0.1	0.1	4	<1	0.2	78	<0.1	<0.5	3.0	0.046
3482210	Drill Core	1.23	82	0.3	4.982	0.8	18.1	0.034	1.1	3.1	<0.005	<0.1	0.1	5	<1	0.2	73	<0.1	<0.5	3.0	0.040
3482211	Drill Core	1.40	60	0.4	5.065	0.9	22.2	0.034	1.4	4.2	<0.005	<0.1	0.1	5	<1	0.2	88	<0.1	<0.5	4.1	0.046
3482212	Drill Core	1.07	101	0.3	5.629	1.0	17.7	0.034	1.2	4.4	<0.005	<0.1	0.2	5	<1	0.2	79	<0.1	<0.5	3.3	0.048
3482213	Drill Core	1.33	62	0.2	4.891	0.7	20.4	0.037	1.3	5.3	<0.005	<0.1	0.2	5	<1	0.2	90	<0.1	<0.5	3.2	0.044
3482214	Drill Core	1.45	64	0.3	5.246	1.0	27.3	0.038	1.3	9.4	<0.005	<0.1	0.2	6	<1	0.2	91	0.1	<0.5	4.1	0.055
3482215	Drill Core	0.72	120	0.5	6.046	1.7	13.7	0.074	1.7	2.6	<0.005	<0.1	0.2	3	<1	0.4	51	0.2	<0.5	8.5	0.067
3482216	Drill Core	2.05	221	0.5	5.611	3.1	44.8	0.061	2.7	17.6	<0.005	0.2	0.3	11	<1	0.7	86	0.3	<0.5	7.3	0.233

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Project: SPJ
Report Date: November 09, 2019

CERTIFICATE OF ANALYSIS TIM19002274.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3482207	Drill Core	<0.5	1.3	44	0.4	8.4	6	73.9
3482208	Drill Core	<0.5	1.3	48	0.2	6.2	3	67.9
3482209	Drill Core	<0.5	0.7	37	0.3	4.2	3	56.5
3482210	Drill Core	<0.5	0.7	35	0.2	3.7	3	64.3
3482211	Drill Core	<0.5	1.0	38	0.2	5.0	2	69.0
3482212	Drill Core	<0.5	0.9	33	0.4	5.0	2	60.4
3482213	Drill Core	<0.5	0.6	36	0.2	4.3	3	65.2
3482214	Drill Core	<0.5	1.1	46	0.2	4.8	3	73.1
3482215	Drill Core	<0.5	3.1	22	3.1	7.0	7	143.1
3482216	Drill Core	<0.5	2.9	85	1.6	12.4	3	126.6

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Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: November 09, 2019

QUALITY CONTROL REPORT TIM19002274.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
Pulp Duplicates																					
3482120	Rock Pulp	0.07	1.558	0.3	7.26	892	344	1	<0.1	5.92	<0.1	37	40.7	192	83.1	8.79	3.0	0.12	0.69	21.6	8.7
REP 3482120	QC			0.3	7.18	817	335	1	<0.1	5.90	<0.1	38	42.0	194	85.2	8.64	3.0	0.07	0.68	21.9	8.8
3482136	Drill Core	5.16	<0.005	<0.1	6.23	12	202	2	<0.1	0.45	<0.1	43	6.7	53	19.9	1.16	2.8	<0.05	0.95	19.5	5.9
REP 3482136	QC		<0.005																		
3482153	Drill Core	5.99	<0.005	<0.1	6.51	7	264	1	<0.1	1.64	<0.1	24	17.8	58	15.5	3.13	2.8	<0.05	0.67	10.9	9.7
REP 3482153	QC			<0.1	6.68	6	257	<1	<0.1	1.71	<0.1	23	17.4	60	15.3	3.29	2.8	<0.05	0.67	10.0	10.3
3482189	Drill Core	5.17	<0.005	<0.1	6.16	8	141	2	<0.1	1.02	<0.1	54	8.6	39	12.2	1.07	2.0	<0.05	0.50	24.8	6.2
REP 3482189	QC			<0.1	5.97	7	126	1	<0.1	1.05	<0.1	46	8.6	40	12.0	1.10	2.0	<0.05	0.45	22.1	5.7
REP 3482194	QC		<0.005																		
3482212	Drill Core	4.60	0.012	<0.1	5.75	3	107	1	<0.1	0.79	<0.1	29	6.7	39	3.4	0.83	1.6	<0.05	0.33	13.5	6.0
REP 3482212	QC		0.016																		
Core Reject Duplicates																					
3482126	Drill Core	5.37	<0.005	<0.1	5.39	7	130	1	<0.1	0.42	<0.1	10	5.3	26	9.9	0.81	1.5	<0.05	0.34	4.9	4.8
DUP 3482126	QC		<0.005	<0.1	5.43	5	130	1	<0.1	0.42	<0.1	10	4.3	30	10.9	0.89	1.8	<0.05	0.36	4.4	4.7
3482194	Drill Core	4.83	<0.005	<0.1	5.91	5	77	2	<0.1	1.02	<0.1	54	3.1	27	4.9	0.69	1.7	<0.05	0.29	27.8	3.8
DUP 3482194	QC		<0.005	<0.1	6.14	4	77	2	<0.1	1.00	<0.1	65	2.8	30	5.1	0.63	1.9	<0.05	0.29	30.5	3.2
Reference Materials																					
STD OREAS25A-4A	Standard			<0.1	8.47	9	147	1	0.3	0.26	<0.1	45	7.4	107	33.6	6.43	3.7	0.09	0.43	20.9	39.4
STD OREAS25A-4A	Standard			<0.1	8.27	10	143	1	0.4	0.25	<0.1	41	7.7	119	33.1	6.31	4.0	0.11	0.47	18.4	35.3
STD OREAS25A-4A	Standard			<0.1	9.20	9	144	<1	0.3	0.30	<0.1	48	7.4	111	33.0	6.65	3.9	0.08	0.48	23.2	36.5
STD OREAS45E	Standard			0.3	7.35	18	260	<1	0.3	0.06	<0.1	26	58.4	1091	821.6	26.30	3.0	0.09	0.33	12.3	7.1
STD OREAS45H	Standard			0.1	8.10	18	350	2	0.2	0.14	<0.1	24	92.4	658	792.6	19.97	3.4	0.11	0.22	13.0	15.5
STD OREAS45E	Standard			0.3	6.93	17	248	<1	0.3	0.06	<0.1	25	56.9	980	779.3	23.68	2.6	0.11	0.34	11.9	6.9
STD OXC145	Standard		0.200																		
STD OXC145	Standard		0.208																		
STD OXC145	Standard		0.206																		
STD OXH139	Standard		1.237																		
STD OXH139	Standard		1.275																		

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QUALITY CONTROL REPORT TIM19002274.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
Pulp Duplicates																					
3482120	Rock Pulp	3.96	2014	3.0	2.138	18.6	142.2	0.191	4.9	21.6	<0.005	0.8	2.6	19	<1	2.0	367	1.1	0.5	3.4	0.905
REP 3482120	QC	3.95	2010	2.7	2.125	18.5	135.7	0.180	5.0	21.7	<0.005	0.8	2.5	19	<1	1.9	374	1.1	<0.5	3.2	0.925
3482136	Drill Core	1.68	42	0.5	5.316	1.4	27.9	0.058	6.2	34.3	<0.005	<0.1	0.2	10	<1	0.2	95	0.2	<0.5	5.2	0.103
REP 3482136	QC																				
3482153	Drill Core	2.16	330	0.3	4.168	3.0	35.9	0.097	1.5	18.3	<0.005	<0.1	0.2	11	<1	0.4	182	0.2	<0.5	4.1	0.445
REP 3482153	QC	2.26	316	0.4	4.279	2.9	35.8	0.102	1.5	17.7	<0.005	<0.1	0.3	11	<1	0.5	189	0.2	<0.5	3.8	0.450
3482189	Drill Core	1.39	136	0.5	5.119	1.4	22.4	0.066	1.6	18.0	<0.005	<0.1	0.2	7	<1	0.2	124	0.1	<0.5	5.1	0.095
REP 3482189	QC	1.39	133	0.3	5.189	1.2	22.2	0.067	1.6	13.2	<0.005	<0.1	0.2	7	<1	0.3	116	0.1	<0.5	4.5	0.092
REP 3482194	QC																				
3482212	Drill Core	1.07	101	0.3	5.629	1.0	17.7	0.034	1.2	4.4	<0.005	<0.1	0.2	5	<1	0.2	79	<0.1	<0.5	3.3	0.048
REP 3482212	QC																				
Core Reject Duplicates																					
3482126	Drill Core	1.13	40	0.3	5.199	0.7	17.8	0.031	2.5	5.5	<0.005	<0.1	0.2	4	<1	0.2	88	<0.1	<0.5	2.8	0.044
DUP 3482126	QC	1.13	47	0.2	5.204	0.7	18.6	0.031	2.5	5.4	<0.005	<0.1	0.1	4	<1	0.2	90	<0.1	<0.5	3.0	0.044
3482194	Drill Core	1.03	105	0.5	5.588	0.9	12.8	0.040	1.0	7.5	<0.005	<0.1	0.2	5	<1	0.2	75	<0.1	<0.5	4.2	0.040
DUP 3482194	QC	1.05	98	0.7	5.566	1.0	12.0	0.045	1.1	12.4	<0.005	<0.1	0.1	5	<1	0.2	80	0.1	<0.5	5.0	0.044
Reference Materials																					
STD OREAS25A-4A	Standard	0.33	454	2.5	0.138	19.4	46.1	0.044	24.9	55.0	<0.005	<0.1	0.6	12	2	4.0	45	1.4	<0.5	15.6	0.877
STD OREAS25A-4A	Standard	0.31	457	2.4	0.129	18.8	43.5	0.052	24.4	53.1	<0.005	<0.1	0.6	11	2	4.0	42	1.4	<0.5	14.8	0.899
STD OREAS25A-4A	Standard	0.35	470	2.1	0.134	19.0	43.7	0.052	24.2	59.0	<0.005	<0.1	0.6	12	2	3.8	46	1.3	<0.5	15.9	0.912
STD OREAS45E	Standard	0.17	528	2.7	0.058	6.2	499.3	0.034	19.5	23.1	<0.005	<0.1	1.1	92	3	1.4	18	0.5	<0.5	14.7	0.560
STD OREAS45H	Standard	0.27	404	1.4	0.095	13.6	438.6	0.026	12.7	22.8	<0.005	<0.1	0.7	58	1	2.0	28	0.9	<0.5	7.9	0.918
STD OREAS45E	Standard	0.17	552	2.2	0.059	5.8	466.5	0.034	19.0	21.9	<0.005	<0.1	1.0	94	3	1.2	17	0.5	<0.5	13.1	0.520
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: November 09, 2019

QUALITY CONTROL REPORT TIM19002274.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
Pulp Duplicates								
3482120	Rock Pulp	<0.5	0.9	163	1.3	22.2	109	124.5
REP 3482120	QC	<0.5	0.9	161	1.2	22.1	106	121.6
3482136	Drill Core	<0.5	1.1	72	0.3	5.1	2	102.2
REP 3482136	QC							
3482153	Drill Core	<0.5	1.0	93	0.3	10.1	30	98.0
REP 3482153	QC	<0.5	1.0	98	0.2	10.3	30	100.1
3482189	Drill Core	<0.5	1.3	43	0.4	7.5	4	74.6
REP 3482189	QC	<0.5	1.0	44	0.3	6.6	4	70.8
REP 3482194	QC							
3482212	Drill Core	<0.5	0.9	33	0.4	5.0	2	60.4
REP 3482212	QC							
Core Reject Duplicates								
3482126	Drill Core	<0.5	0.7	33	0.2	3.0	2	54.8
DUP 3482126	QC	<0.5	0.9	34	0.1	3.0	2	59.6
3482194	Drill Core	<0.5	1.0	32	0.4	5.4	2	70.5
DUP 3482194	QC	<0.5	1.4	31	0.4	6.4	2	66.9
Reference Materials								
STD OREAS25A-4A	Standard	<0.5	2.9	153	1.7	9.6	44	146.6
STD OREAS25A-4A	Standard	<0.5	2.9	153	1.8	9.1	42	144.7
STD OREAS25A-4A	Standard	<0.5	2.8	155	1.7	10.0	42	143.4
STD OREAS45E	Standard	<0.5	2.6	336	1.1	9.0	45	102.2
STD OREAS45H	Standard	<0.5	1.8	286	0.8	9.6	41	123.7
STD OREAS45E	Standard	<0.5	2.6	341	1.2	8.2	45	89.3
STD OXC145	Standard							
STD OXC145	Standard							
STD OXC145	Standard							
STD OXH139	Standard							
STD OXH139	Standard							

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: November 09, 2019

QUALITY CONTROL REPORT TIM19002274.1

		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
STD OXH139	Standard		1.307																		
STD OXN134	Standard		7.224																		
STD OXN134	Standard		7.288																		
STD OXN134	Standard		7.431																		
STD OXC145 Expected			0.212																		
STD OXN134 Expected			7.667																		
STD OXH139 Expected			1.312																		
STD OREAS45H Expected				0.147	7.99	16.9	332	1.09	0.17	0.135		23.6	88	602	767	19.52	3.6	0.1	0.205	12.4	13.1
STD OREAS25A-4A Expected					8.87	9.94	147	0.93	0.37	0.301		47.3	7.7	115	33.9	6.6	4.14	0.09	0.482	21.8	36.7
STD OREAS45E Expected				0.311	6.78	16.3	252		0.28	0.065	0.06	23.5	57	979	780	24.12	3.11	0.099	0.324	11	6.58
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
Prep Wash																					
ROCK-TIM	Prep Blank		<0.005	<0.1	6.88	2	811	1	<0.1	1.67	<0.1	23	4.3	2	5.7	2.13	1.7	0.10	1.73	11.9	3.0
ROCK-TIM	Prep Blank		<0.005	<0.1	6.81	2	733	<1	<0.1	1.60	<0.1	22	4.0	2	5.3	2.00	1.5	<0.05	1.52	11.7	3.1

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Toronto Ontario M5J 1H8 Canada

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QUALITY CONTROL REPORT TIM19002274.1

		MA200 Mg % 0.01	MA200 Mn ppm 1	MA200 Mo ppm 0.1	MA200 Na % 0.001	MA200 Nb ppm 0.1	MA200 Ni ppm 0.1	MA200 P % 0.001	MA200 Pb ppm 0.1	MA200 Rb ppm 0.1	MA200 Re ppm 0.005	MA200 S % 0.1	MA200 Sb ppm 0.1	MA200 Sc ppm 1	MA200 Se ppm 1	MA200 Sn ppm 0.1	MA200 Sr ppm 1	MA200 Ta ppm 0.1	MA200 Te ppm 0.5	MA200 Th ppm 0.1	MA200 Ti % 0.001
STD OXH139	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXC145 Expected																					
STD OXN134 Expected																					
STD OXH139 Expected																					
STD OREAS45H Expected		0.238	380	1.55	0.09	14.8	423	0.023	11.9	22.5			0.63	57	2.02	1.93	27.1	1.08		7.26	0.878
STD OREAS25A-4A Expected		0.327	480	2.41	0.131	20.9	45.8	0.048	25.2	61		0.047	0.65	13.7	2.4	4.06	48.5	1.4		15.8	0.93
STD OREAS45E Expected		0.156	570	2.4	0.059	6.8	454	0.034	18.2	21.2		0.046	1	93	2.97	1.32	15.9	0.54	0.1	12.9	0.559
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<1	<0.1	0.005	<0.1	<0.1	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	<0.001	<0.1	<0.1	<0.001	<0.1	0.2	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.002	<0.1	<0.1	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
Prep Wash																					
ROCK-TIM	Prep Blank	0.53	613	1.2	3.451	6.0	1.7	0.047	3.0	34.8	<0.005	<0.1	0.2	7	<1	0.9	215	0.5	<0.5	3.4	0.209
ROCK-TIM	Prep Blank	0.51	606	1.0	3.384	5.2	1.4	0.040	2.7	31.5	<0.005	<0.1	0.2	7	<1	0.8	196	0.4	<0.5	2.8	0.193

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QUALITY CONTROL REPORT TIM19002274.1

		MA200 Tl ppm 0.5	MA200 U ppm 0.1	MA200 V ppm 1	MA200 W ppm 0.1	MA200 Y ppm 0.1	MA200 Zn ppm 1	MA200 Zr ppm 0.1
STD OXH139	Standard							
STD OXN134	Standard							
STD OXN134	Standard							
STD OXN134	Standard							
STD OXC145 Expected								
STD OXN134 Expected								
STD OXH139 Expected								
STD OREAS45H Expected			1.68	263	0.99	10.4	39.7	131
STD OREAS25A-4A Expected		0.35	2.94	157	2	10.5	44.4	155
STD OREAS45E Expected		0.15	2.41	322	1.07	8.28	46.7	97
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	0.1
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	0.1
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	1	0.1
Prep Wash								
ROCK-TIM	Prep Blank	<0.5	1.4	34	0.2	16.3	37	56.0
ROCK-TIM	Prep Blank	<0.5	1.1	33	0.3	14.8	32	49.2

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By: Quentin Yarie
Receiving Lab: Canada-Timmins
Received: October 17, 2019
Report Date: November 09, 2019

CERTIFICATE OF ANALYSIS TIM19002337.1

CLIENT JOB INFORMATION

Project: SPJ
Shipment ID:
P.O. Number
Number of Samples: 96

SAMPLE DISPOSAL

RTRN-PLP Return After 90 days
RTRN-RJT Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP85-500	91	Crush split and pulverize 250g of sample to 200mesh			TIM
SHP01	96	Per sample shipping charges for branch shipments			TIM
SLBHP	5	Sort, label and box pulps			TIM
FA450	96	50g Lead Collection Fire Assay Fusion - AAS Finish	50	Completed	TIM
EN002	96	Environmental disposal charge-Fire assay lead waste			TIM
MA200	96	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
EN001-MA	96	Environmental disposal fee - Multi-acid neutralization			VAN
FA550	1	Lead collection fire assay 50G fusion - Grav finish	50	Completed	TIM

ADDITIONAL COMMENTS

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC: Quentin Yarie
Nicholas Wray

JEFFREY CANNON
Geochemistry Department Supervisor

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All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: November 09, 2019

CERTIFICATE OF ANALYSIS TIM19002337.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3482217	Drill Core	5.50	0.009	<0.1	6.86	16	93	2	<0.1	1.54	<0.1	41	12.6	48	13.5	1.12	2.7	<0.05	0.42	21.3	4.3
3482218	Drill Core	5.74	0.026	<0.1	6.30	10	61	1	<0.1	1.90	<0.1	37	6.7	44	14.5	0.86	2.9	<0.05	0.19	19.1	2.1
3482219	Drill Core	5.84	<0.005	<0.1	6.99	21	86	2	0.3	3.36	<0.1	50	17.3	56	49.9	1.56	3.3	<0.05	0.48	25.4	6.1
3482220	Rock Pulp	0.07	0.531	0.2	7.04	4	150	<1	0.1	6.89	<0.1	11	50.3	187	158.1	7.69	1.6	<0.05	0.19	4.1	13.0
3482221	Drill Core	6.88	0.014	<0.1	6.35	14	84	2	<0.1	1.88	<0.1	33	14.6	67	14.0	1.33	3.6	<0.05	0.56	15.2	6.8
3482222	Drill Core	5.69	0.007	<0.1	7.35	4	170	2	<0.1	3.73	<0.1	35	24.6	58	15.1	4.10	3.2	<0.05	0.47	15.6	7.0
3482223	Drill Core	5.54	0.014	<0.1	6.06	11	64	1	<0.1	2.38	<0.1	25	9.1	26	22.2	0.92	1.8	<0.05	0.17	11.4	3.2
3482224	Drill Core	5.76	<0.005	<0.1	6.66	4	26	<1	<0.1	2.76	<0.1	17	3.1	34	2.6	0.88	2.0	<0.05	0.11	7.5	1.4
3482225	Rock	0.21	<0.005	<0.1	5.42	<1	23	<1	<0.1	0.14	<0.1	<1	<0.2	<1	8.1	0.31	0.3	<0.05	3.67	0.2	24.8
3482226	Drill Core	5.48	0.015	<0.1	7.18	6	45	2	<0.1	3.56	<0.1	40	9.4	55	8.8	1.51	3.0	<0.05	0.32	18.3	3.5
3482227	Drill Core	4.33	0.018	<0.1	6.87	4	25	1	<0.1	2.82	<0.1	21	8.3	42	4.0	1.04	3.0	<0.05	0.13	9.1	1.6
3482228	Drill Core	4.30	<0.005	<0.1	7.61	2	114	1	<0.1	3.28	<0.1	27	17.5	40	11.8	3.22	3.5	<0.05	0.27	11.0	4.3
3482229	Drill Core	3.85	0.123	<0.1	6.84	1	18	<1	<0.1	6.55	<0.1	83	2.4	55	2.3	1.84	3.6	<0.05	0.13	39.0	1.4
3482230	Drill Core	3.05	0.572	<0.1	7.90	<1	54	<1	<0.1	2.71	<0.1	38	3.4	56	0.9	3.20	4.1	<0.05	0.42	17.4	4.6
3482231	Drill Core	2.92	3.286	0.2	7.54	2	58	1	<0.1	3.61	<0.1	35	5.4	68	3.7	2.76	4.1	<0.05	0.42	15.6	4.5
3482232	Drill Core	2.96	0.039	<0.1	6.45	6	73	2	<0.1	2.20	<0.1	33	10.9	72	7.2	1.53	3.6	<0.05	0.41	14.1	5.0
3482233	Drill Core	3.61	0.031	<0.1	6.12	2	57	<1	<0.1	1.58	<0.1	21	4.2	57	2.7	1.43	3.5	<0.05	0.32	9.0	2.8
3482234	Drill Core	4.15	0.140	<0.1	7.00	8	48	1	<0.1	2.88	<0.1	49	32.9	62	2.3	1.53	3.8	<0.05	0.25	21.6	2.7
3482235	Drill Core	3.62	<0.005	<0.1	6.21	<1	28	<1	<0.1	2.45	<0.1	21	2.7	88	1.3	1.26	3.7	<0.05	0.22	8.3	2.0
3482236	Drill Core	3.75	0.021	<0.1	6.13	1	60	2	<0.1	2.24	<0.1	25	6.4	91	1.2	1.31	3.5	<0.05	0.35	10.6	3.3
3482237	Drill Core	3.88	0.054	<0.1	7.55	5	108	1	<0.1	2.86	<0.1	63	45.7	53	11.1	3.12	3.8	<0.05	0.36	27.9	6.5
3482238	Drill Core	3.81	0.006	<0.1	5.32	2	17	<1	<0.1	1.35	<0.1	41	2.0	71	2.4	0.70	3.6	<0.05	0.07	15.9	0.5
3482239	Drill Core	3.58	0.011	<0.1	6.31	1	29	1	<0.1	2.06	<0.1	53	2.1	101	3.1	1.35	3.7	<0.05	0.18	22.1	1.6
3482240	Rock Pulp	0.07	1.585	0.3	7.21	763	335	<1	<0.1	5.83	<0.1	37	39.2	182	78.8	8.37	3.1	<0.05	0.69	19.2	9.6
3482241	Drill Core	3.57	0.018	<0.1	6.18	1	21	<1	<0.1	2.26	<0.1	67	1.8	70	0.8	1.25	3.6	<0.05	0.16	28.1	2.4
3482242	Drill Core	3.58	2.278	<0.1	6.25	5	27	1	<0.1	1.53	<0.1	13	13.1	71	2.5	3.03	2.4	<0.05	0.35	5.3	3.0
3482243	Drill Core	5.26	2.204	<0.1	7.12	4	32	1	<0.1	1.48	<0.1	31	24.0	84	1.5	4.84	2.5	<0.05	0.33	13.9	6.5
3482244	Drill Core	3.43	0.577	<0.1	6.66	15	18	1	<0.1	3.03	<0.1	24	85.2	59	1.8	1.60	2.8	<0.05	0.21	10.6	2.2
3482245	Drill Core	4.86	0.245	<0.1	7.37	12	33	1	<0.1	5.15	<0.1	80	72.4	59	1.4	2.24	3.1	<0.05	0.38	40.4	6.1
3482246	Drill Core	5.33	0.014	<0.1	7.32	3	16	<1	<0.1	3.85	<0.1	34	4.3	62	1.1	1.12	2.5	<0.05	0.15	16.0	1.5

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: November 09, 2019

CERTIFICATE OF ANALYSIS TIM19002337.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3482217	Drill Core	1.39	144	0.5	5.759	1.8	28.4	0.035	1.6	21.1	<0.005	0.1	0.2	7	<1	0.5	68	0.2	<0.5	6.9	0.092
3482218	Drill Core	1.03	171	0.3	5.385	1.7	16.4	0.048	1.6	5.8	<0.005	0.1	0.2	5	1	0.6	59	0.1	<0.5	6.2	0.073
3482219	Drill Core	2.14	289	0.3	5.342	5.0	45.1	0.044	8.7	31.7	<0.005	0.2	0.4	13	1	1.2	76	0.4	0.5	11.0	0.165
3482220	Rock Pulp	4.08	1469	0.8	2.218	4.0	98.5	0.046	3.2	3.8	<0.005	0.1	0.4	44	<1	0.8	133	0.3	1.0	0.7	0.677
3482221	Drill Core	1.56	195	0.8	5.839	3.5	31.8	0.048	3.7	15.7	<0.005	0.1	0.3	8	1	0.8	47	0.3	<0.5	9.2	0.157
3482222	Drill Core	2.40	516	0.6	4.493	3.8	39.7	0.108	1.8	22.7	<0.005	0.1	0.3	12	1	0.9	160	0.3	0.6	6.7	0.610
3482223	Drill Core	1.06	185	0.3	5.168	1.4	19.8	0.030	1.5	5.2	<0.005	0.1	0.2	4	<1	0.5	56	0.1	<0.5	3.8	0.065
3482224	Drill Core	1.35	246	0.3	5.880	2.1	9.9	0.036	1.0	1.0	<0.005	<0.1	0.2	4	<1	0.4	46	0.2	<0.5	5.2	0.087
3482225	Rock	0.02	50	0.4	7.081	<0.1	0.5	0.002	3.4	39.9	<0.005	<0.1	0.1	<1	<1	0.2	24	<0.1	<0.5	0.1	0.002
3482226	Drill Core	2.09	325	0.5	5.757	3.2	24.0	0.043	1.2	17.0	<0.005	<0.1	0.3	7	<1	0.8	58	0.3	<0.5	9.8	0.133
3482227	Drill Core	1.40	246	0.5	6.428	2.7	14.2	0.043	1.3	2.2	<0.005	<0.1	0.2	5	<1	0.6	40	0.3	<0.5	7.5	0.105
3482228	Drill Core	1.82	479	0.3	5.554	3.8	23.9	0.098	2.1	2.8	<0.005	<0.1	0.4	8	<1	0.6	126	0.3	<0.5	5.7	0.492
3482229	Drill Core	3.25	543	0.5	5.480	2.7	16.4	0.025	1.2	2.5	<0.005	<0.1	0.2	7	<1	0.6	63	0.3	1.2	10.9	0.114
3482230	Drill Core	2.85	277	5.9	5.948	5.0	42.5	0.034	1.5	19.8	0.009	<0.1	0.1	5	1	0.5	42	0.5	0.5	11.7	0.215
3482231	Drill Core	2.55	386	0.6	5.636	5.1	25.6	0.036	1.1	24.6	<0.005	<0.1	0.2	5	<1	0.6	55	0.5	0.7	12.2	0.231
3482232	Drill Core	1.54	245	0.5	5.939	3.1	28.8	0.046	1.2	9.8	0.008	0.1	0.1	7	<1	0.6	59	0.3	<0.5	8.1	0.156
3482233	Drill Core	1.20	196	1.3	5.991	3.8	17.9	0.043	1.2	5.4	<0.005	<0.1	0.2	4	<1	0.4	36	0.4	<0.5	6.8	0.174
3482234	Drill Core	1.60	306	0.6	6.030	3.5	32.7	0.056	1.2	8.8	<0.005	0.3	0.4	6	<1	0.5	51	0.4	<0.5	9.9	0.156
3482235	Drill Core	1.32	299	0.4	6.529	4.2	11.6	0.023	1.0	1.3	<0.005	<0.1	0.4	3	<1	0.8	31	0.4	0.5	7.2	0.206
3482236	Drill Core	1.44	245	0.4	6.697	3.4	25.4	0.033	0.9	3.6	<0.005	<0.1	0.4	6	<1	1.1	35	0.3	<0.5	8.7	0.179
3482237	Drill Core	1.82	463	0.4	5.750	3.8	36.9	0.077	3.0	5.7	<0.005	0.3	0.5	7	<1	0.8	109	0.3	0.5	9.4	0.445
3482238	Drill Core	0.63	188	0.5	7.373	3.8	5.5	0.031	0.9	0.2	<0.005	<0.1	0.3	1	<1	1.1	21	0.3	<0.5	7.4	0.170
3482239	Drill Core	1.29	297	0.4	6.682	3.0	9.1	0.030	1.1	1.2	<0.005	<0.1	0.2	3	<1	0.6	33	0.3	<0.5	8.5	0.158
3482240	Rock Pulp	3.80	1964	2.4	2.040	17.5	135.8	0.163	4.8	20.1	<0.005	0.7	2.6	18	1	1.5	347	1.1	1.2	3.5	0.950
3482241	Drill Core	1.17	238	0.3	7.361	3.3	6.4	0.033	1.0	1.2	<0.005	<0.1	0.3	3	<1	0.6	29	0.3	0.5	7.0	0.159
3482242	Drill Core	1.09	169	0.1	6.770	1.1	16.5	0.035	1.1	2.3	<0.005	0.7	0.2	3	1	0.2	31	0.1	<0.5	3.3	0.070
3482243	Drill Core	2.40	157	1.1	5.633	1.2	59.6	0.028	0.9	6.1	<0.005	0.3	0.3	3	1	0.1	34	0.1	0.7	4.7	0.081
3482244	Drill Core	1.60	233	0.3	6.667	2.5	45.7	0.019	1.5	1.0	<0.005	0.7	0.4	3	1	0.5	44	0.2	0.6	6.0	0.107
3482245	Drill Core	2.82	406	0.4	5.633	2.6	79.9	0.033	1.5	16.5	<0.005	0.6	0.4	7	2	0.5	70	0.2	0.7	8.3	0.106
3482246	Drill Core	1.83	346	0.4	6.510	2.6	16.2	0.020	0.9	1.1	<0.005	<0.1	0.6	5	<1	0.4	42	0.2	<0.5	6.7	0.114

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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA550
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3482217	Drill Core	<0.5	3.4	48	1.1	7.6	2	99.9	
3482218	Drill Core	<0.5	2.8	33	2.4	7.8	3	101.2	
3482219	Drill Core	<0.5	3.4	82	5.2	19.2	27	125.1	
3482220	Rock Pulp	<0.5	0.1	314	1.3	23.1	86	51.2	
3482221	Drill Core	<0.5	2.9	68	1.6	10.1	2	124.9	
3482222	Drill Core	<0.5	2.6	119	0.8	17.2	31	116.9	
3482223	Drill Core	<0.5	1.4	29	1.7	6.0	1	60.2	
3482224	Drill Core	<0.5	1.7	31	2.5	5.5	1	76.9	
3482225	Rock	0.6	<0.1	<1	<0.1	0.8	8	19.4	
3482226	Drill Core	<0.5	3.0	60	2.8	13.9	3	102.8	
3482227	Drill Core	<0.5	2.2	38	2.3	6.4	2	103.3	
3482228	Drill Core	<0.5	1.2	89	3.6	12.6	23	127.3	
3482229	Drill Core	<0.5	3.0	48	3.8	11.6	2	129.3	
3482230	Drill Core	<0.5	6.4	107	3.9	7.4	4	141.6	
3482231	Drill Core	<0.5	4.2	64	3.5	9.8	3	141.5	
3482232	Drill Core	<0.5	1.7	59	2.1	7.5	2	120.8	
3482233	Drill Core	<0.5	2.0	56	2.8	4.8	2	119.1	
3482234	Drill Core	<0.5	1.8	69	2.6	9.1	<1	133.1	
3482235	Drill Core	<0.5	1.2	100	2.2	6.4	1	129.2	
3482236	Drill Core	<0.5	1.1	90	3.3	5.1	2	123.9	
3482237	Drill Core	<0.5	1.5	95	3.2	13.1	19	138.1	
3482238	Drill Core	<0.5	1.7	61	4.2	3.9	2	126.7	
3482239	Drill Core	<0.5	1.4	82	2.9	5.9	3	132.7	
3482240	Rock Pulp	<0.5	0.9	159	1.3	21.1	105	118.3	
3482241	Drill Core	<0.5	1.4	67	3.6	5.9	<1	131.7	
3482242	Drill Core	<0.5	1.1	62	3.0	2.9	2	83.8	
3482243	Drill Core	<0.5	1.2	71	4.7	5.0	5	95.1	
3482244	Drill Core	<0.5	3.4	87	7.4	5.8	1	100.7	
3482245	Drill Core	<0.5	5.0	98	6.0	11.5	1	113.3	
3482246	Drill Core	<0.5	0.9	52	4.1	6.0	<1	91.3	

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	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3482247	Drill Core	5.93	0.061	<0.1	7.49	7	21	1	<0.1	4.23	<0.1	64	10.3	50	2.2	1.18	2.4	<0.05	0.14	32.3	1.4
3482248	Drill Core	5.51	0.005	<0.1	6.94	3	14	<1	<0.1	6.28	<0.1	40	3.5	63	1.3	1.55	2.9	<0.05	0.18	19.7	1.0
3482249	Drill Core	5.67	0.009	<0.1	7.46	4	13	<1	<0.1	3.35	<0.1	43	6.1	41	2.8	0.92	2.7	<0.05	0.23	19.3	0.7
3482250	Rock	0.21	<0.005	<0.1	5.95	1	23	1	<0.1	0.16	<0.1	<1	<0.2	<1	1.6	0.33	0.5	<0.05	3.89	0.2	26.2
3482251	Drill Core	5.73	0.006	<0.1	7.22	4	13	<1	<0.1	3.41	<0.1	28	7.6	56	1.9	1.04	3.0	<0.05	0.12	13.8	0.7
3482252	Drill Core	6.10	0.049	<0.1	6.82	15	15	<1	<0.1	6.05	<0.1	34	75.4	51	2.5	2.25	2.6	<0.05	0.16	15.2	1.3
3482253	Drill Core	6.00	0.016	<0.1	7.19	6	100	1	<0.1	5.64	<0.1	46	23.7	57	7.1	2.95	3.0	<0.05	0.58	20.8	15.1
3482254	Drill Core	5.34	0.005	<0.1	7.23	2	11	<1	<0.1	3.73	<0.1	78	6.9	46	2.2	1.11	2.3	<0.05	0.24	37.6	0.9
3482255	Drill Core	5.35	0.017	<0.1	7.53	6	12	<1	<0.1	5.04	<0.1	42	24.8	50	2.2	1.57	2.7	<0.05	0.20	21.0	0.8
3482256	Drill Core	5.62	0.005	<0.1	7.83	4	12	<1	<0.1	4.42	<0.1	41	7.5	58	1.5	1.24	2.7	<0.05	0.19	20.4	0.9
3482257	Drill Core	5.24	0.012	<0.1	7.02	6	11	<1	<0.1	3.34	<0.1	63	9.5	56	2.8	0.96	3.5	<0.05	0.15	30.9	1.1
3482258	Drill Core	4.46	0.005	<0.1	5.70	1	9	1	<0.1	1.86	<0.1	46	2.6	61	3.0	0.68	3.6	<0.05	0.14	19.6	0.6
3482259	Drill Core	4.93	0.008	<0.1	7.55	4	11	<1	<0.1	3.88	<0.1	26	3.1	71	2.2	1.03	3.4	<0.05	0.26	11.9	0.6
3482260	Rock Pulp	0.07	5.287	1.0	6.37	26	208	<1	0.2	5.41	0.1	12	44.7	292	125.2	7.27	1.9	0.08	0.46	5.0	16.8
3482261	Drill Core	4.01	0.030	<0.1	5.04	67	99	<1	0.2	9.89	<0.1	26	38.1	51	12.7	4.39	2.3	<0.05	0.51	11.3	11.9
3482262	Drill Core	4.81	0.012	<0.1	6.38	11	45	1	<0.1	6.44	<0.1	37	16.2	70	18.3	2.30	3.0	<0.05	0.73	16.1	6.6
3482263	Drill Core	5.96	0.023	<0.1	5.94	11	94	2	<0.1	9.22	<0.1	38	18.7	72	10.0	2.88	2.8	<0.05	1.14	18.3	13.7
3482264	Drill Core	3.52	0.045	<0.1	6.36	7	84	2	<0.1	6.21	<0.1	33	23.2	78	13.3	3.03	3.1	<0.05	0.97	15.5	10.8
3482265	Drill Core	4.51	0.020	<0.1	5.97	5	55	2	<0.1	7.83	<0.1	33	14.1	71	81.7	2.73	2.9	<0.05	0.51	14.4	6.8
3482266	Drill Core	4.50	0.041	<0.1	5.94	9	137	1	<0.1	9.06	<0.1	38	19.3	74	291.0	3.12	3.0	0.08	1.28	17.2	18.9
3482267	Drill Core	5.48	<0.005	<0.1	8.23	11	451	1	<0.1	4.17	<0.1	42	60.5	47	43.5	10.49	4.1	0.07	1.16	18.8	49.3
3482268	Drill Core	6.54	<0.005	<0.1	7.77	5	403	1	<0.1	5.76	<0.1	45	59.5	46	52.5	10.07	4.0	0.10	0.97	19.9	36.9
3482269	Drill Core	6.78	<0.005	<0.1	8.71	2	425	<1	<0.1	5.62	<0.1	37	66.7	53	42.5	10.81	3.8	0.09	1.17	16.2	25.6
3482270	Drill Core	4.09	<0.005	0.1	8.26	5	417	2	<0.1	4.05	<0.1	49	59.7	50	45.8	9.89	3.7	0.05	1.50	22.3	64.3
3482271	Drill Core	6.13	<0.005	<0.1	8.47	2	425	<1	<0.1	5.64	<0.1	40	64.5	51	43.9	10.92	3.8	0.08	1.05	16.8	21.7
3482272	Drill Core	5.05	<0.005	<0.1	7.85	4	398	2	<0.1	3.80	<0.1	54	53.6	46	37.6	9.93	4.0	0.09	1.50	25.9	39.8
3482273	Drill Core	4.30	<0.005	<0.1	5.73	14	106	1	<0.1	0.40	<0.1	17	11.1	58	22.9	1.48	2.5	<0.05	0.84	7.9	12.4
3482274	Drill Core	5.32	<0.005	<0.1	5.42	13	85	2	<0.1	0.74	<0.1	43	8.8	50	16.0	1.04	2.2	<0.05	0.47	20.5	6.7
3482275	Rock	0.21	0.006	<0.1	4.58	<1	27	<1	<0.1	0.15	<0.1	<1	0.2	2	3.4	0.31	0.4	<0.05	3.98	0.2	21.1
3482276	Drill Core	5.14	<0.005	<0.1	5.41	14	85	1	<0.1	0.82	<0.1	19	4.5	23	15.6	0.68	1.4	<0.05	0.33	9.1	4.1

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	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3482247	Drill Core	2.07	355	0.2	6.436	2.5	17.5	0.026	0.9	1.2	<0.005	0.1	0.9	8	<1	0.7	52	0.2	0.6	9.2	0.110
3482248	Drill Core	2.92	554	0.6	5.843	2.5	11.7	0.063	1.1	1.4	<0.005	<0.1	0.5	8	<1	0.4	58	0.2	1.5	9.8	0.094
3482249	Drill Core	1.60	279	0.4	6.809	3.0	10.2	0.020	1.0	0.7	<0.005	<0.1	0.6	4	<1	0.6	40	0.2	<0.5	7.5	0.125
3482250	Rock	0.02	45	0.2	7.215	<0.1	0.4	<0.001	3.5	39.4	<0.005	<0.1	0.1	<1	<1	<0.1	24	<0.1	<0.5	0.2	0.002
3482251	Drill Core	1.58	316	0.3	6.630	3.6	10.4	0.040	2.5	0.3	<0.005	<0.1	1.0	4	<1	2.0	38	0.3	<0.5	8.3	0.158
3482252	Drill Core	2.78	544	0.2	5.559	1.7	39.3	0.101	1.4	1.4	<0.005	0.8	0.7	9	1	0.5	57	0.2	1.1	9.1	0.074
3482253	Drill Core	3.34	554	0.5	5.081	2.9	28.8	0.071	2.9	11.8	<0.005	0.1	0.7	11	<1	0.5	91	0.3	1.2	7.2	0.347
3482254	Drill Core	1.77	365	0.7	6.888	1.9	9.9	0.047	0.9	0.8	<0.005	<0.1	0.4	5	1	0.3	39	0.2	1.4	6.6	0.082
3482255	Drill Core	2.46	468	0.5	6.563	2.9	22.9	0.029	1.2	1.1	<0.005	0.3	0.6	6	2	0.6	47	0.2	0.5	6.7	0.117
3482256	Drill Core	2.16	372	0.5	6.828	3.4	12.6	0.049	1.2	1.1	<0.005	<0.1	0.5	5	<1	0.7	41	0.3	1.0	6.8	0.137
3482257	Drill Core	1.62	251	0.5	7.064	3.9	11.8	0.046	1.3	0.4	<0.005	<0.1	0.8	4	1	0.9	32	0.3	0.6	7.3	0.168
3482258	Drill Core	0.90	180	0.4	7.526	4.4	5.1	0.020	0.8	0.2	<0.005	<0.1	0.8	3	<1	1.2	20	0.3	<0.5	6.2	0.197
3482259	Drill Core	1.88	357	0.9	7.201	3.7	8.6	0.028	1.0	0.6	<0.005	<0.1	0.5	4	<1	0.8	34	0.3	1.5	6.9	0.146
3482260	Rock Pulp	3.93	1194	3.0	2.045	3.2	125.1	0.043	15.4	13.1	<0.005	0.4	0.4	32	<1	0.5	93	0.2	1.9	1.0	0.546
3482261	Drill Core	5.35	838	0.6	3.315	3.3	44.0	0.063	2.3	13.7	<0.005	0.8	0.5	27	1	0.7	83	0.2	5.5	5.7	0.343
3482262	Drill Core	3.59	759	1.0	4.674	6.0	38.4	0.039	1.0	25.9	<0.005	0.1	0.2	12	<1	1.0	37	0.5	1.1	9.2	0.209
3482263	Drill Core	2.98	582	1.0	4.010	7.3	51.6	0.040	1.3	62.0	<0.005	0.1	0.2	12	<1	1.5	50	0.6	1.7	8.8	0.243
3482264	Drill Core	2.76	503	1.2	4.533	13.4	60.4	0.045	1.1	50.2	<0.005	0.1	0.3	12	<1	1.7	38	0.6	1.5	10.3	0.254
3482265	Drill Core	2.89	690	1.0	4.472	6.3	48.3	0.042	1.4	28.7	<0.005	<0.1	0.3	12	<1	1.3	40	0.5	2.6	9.3	0.222
3482266	Drill Core	2.20	373	1.2	3.921	7.2	56.5	0.039	1.8	87.1	<0.005	0.2	0.3	11	<1	1.8	60	0.6	1.6	8.9	0.246
3482267	Drill Core	4.45	1157	0.6	2.262	9.0	78.0	0.241	5.5	32.3	<0.005	0.1	<0.1	23	<1	1.1	420	0.5	0.5	0.6	1.669
3482268	Drill Core	4.14	1293	0.7	2.093	8.6	79.6	0.237	6.2	23.4	<0.005	0.2	0.3	23	<1	1.0	393	0.5	1.0	0.6	1.649
3482269	Drill Core	4.00	1467	0.6	2.328	8.5	91.4	0.241	3.1	21.9	<0.005	<0.1	0.2	25	<1	1.1	436	0.5	1.2	0.6	1.614
3482270	Drill Core	4.87	1110	0.7	1.851	8.3	82.3	0.244	5.0	29.2	<0.005	0.2	0.5	24	<1	1.1	399	0.5	1.0	0.5	1.623
3482271	Drill Core	3.83	1548	0.7	2.349	8.9	88.2	0.256	2.8	20.2	<0.005	<0.1	0.1	23	<1	1.1	448	0.5	0.8	0.6	1.660
3482272	Drill Core	4.96	1058	0.7	2.036	8.1	78.5	0.232	7.7	64.5	<0.005	0.1	0.6	23	<1	1.0	338	0.5	1.3	0.8	1.515
3482273	Drill Core	1.87	73	0.4	4.530	1.8	27.3	0.038	2.7	13.0	<0.005	<0.1	0.2	5	<1	0.3	88	0.2	<0.5	5.2	0.088
3482274	Drill Core	1.47	74	0.5	4.990	1.4	26.1	0.041	3.5	2.9	<0.005	<0.1	0.2	5	<1	0.3	91	0.1	<0.5	3.8	0.067
3482275	Rock	0.01	42	0.3	7.457	0.1	0.5	<0.001	3.2	40.9	<0.005	<0.1	0.1	<1	2	0.1	23	<0.1	<0.5	0.1	0.003
3482276	Drill Core	0.97	65	0.2	4.988	0.8	23.7	0.026	1.8	2.3	<0.005	<0.1	0.1	4	<1	0.1	81	<0.1	<0.5	2.5	0.037

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: November 09, 2019

CERTIFICATE OF ANALYSIS TIM19002337.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA550
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3482247	Drill Core	<0.5	1.6	50	2.8	8.3	<1	92.8	
3482248	Drill Core	<0.5	2.1	49	4.8	10.2	1	103.3	
3482249	Drill Core	<0.5	1.1	37	6.2	5.9	1	103.4	
3482250	Rock	0.6	<0.1	<1	<0.1	0.8	6	25.7	
3482251	Drill Core	<0.5	1.0	46	5.0	7.0	2	113.3	
3482252	Drill Core	<0.5	1.8	44	3.5	10.2	2	99.6	
3482253	Drill Core	<0.5	1.7	79	2.7	13.5	6	111.4	
3482254	Drill Core	<0.5	0.7	40	2.9	5.8	2	81.4	
3482255	Drill Core	<0.5	1.9	39	5.8	7.3	2	93.1	
3482256	Drill Core	<0.5	2.0	43	6.3	6.9	2	99.4	
3482257	Drill Core	<0.5	1.0	41	6.1	6.4	2	120.1	
3482258	Drill Core	<0.5	1.0	49	2.8	5.2	2	121.9	
3482259	Drill Core	<0.5	1.4	45	5.3	5.7	2	119.2	
3482260	Rock Pulp	<0.5	0.3	255	5.6	17.1	85	49.5	
3482261	Drill Core	<0.5	1.9	84	2.3	12.4	10	82.9	
3482262	Drill Core	<0.5	3.3	75	1.4	11.1	2	104.0	
3482263	Drill Core	<0.5	3.5	77	1.0	13.6	3	95.1	
3482264	Drill Core	<0.5	3.8	82	1.5	10.4	2	107.4	
3482265	Drill Core	<0.5	3.3	80	1.1	10.7	4	94.4	
3482266	Drill Core	<0.5	3.5	81	0.4	12.6	5	99.8	
3482267	Drill Core	<0.5	0.2	270	0.1	31.0	87	151.6	
3482268	Drill Core	<0.5	0.2	261	0.1	32.4	106	144.3	
3482269	Drill Core	<0.5	0.2	275	0.1	27.5	120	145.4	
3482270	Drill Core	<0.5	0.3	265	0.2	32.7	69	142.1	
3482271	Drill Core	<0.5	0.2	276	0.2	29.8	139	161.1	
3482272	Drill Core	<0.5	0.2	257	0.3	34.4	60	142.1	
3482273	Drill Core	<0.5	1.6	45	0.4	6.0	8	95.3	
3482274	Drill Core	<0.5	0.7	35	0.3	5.6	33	73.3	
3482275	Rock	0.6	<0.1	1	<0.1	0.8	8	18.9	
3482276	Drill Core	<0.5	0.6	26	0.4	3.8	13	49.1	

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: November 09, 2019

CERTIFICATE OF ANALYSIS TIM19002337.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3482277	Drill Core	4.33	0.005	<0.1	5.41	18	99	2	<0.1	0.54	<0.1	21	9.9	35	47.5	0.88	1.4	<0.05	0.36	10.2	6.4
3482278	Drill Core	4.49	<0.005	<0.1	5.57	20	73	2	<0.1	0.70	<0.1	11	6.1	27	15.1	0.62	1.4	<0.05	0.25	5.5	4.6
3482279	Drill Core	3.83	<0.005	<0.1	5.91	12	44	1	<0.1	2.25	<0.1	29	4.1	22	6.7	0.68	1.1	<0.05	0.14	14.4	2.7
3482280	Rock Pulp	0.07	>10	2.1	5.43	56	228	<1	0.5	3.91	0.1	11	35.0	528	111.5	4.55	1.4	<0.05	0.70	6.0	33.1
3482281	Drill Core	4.29	0.011	<0.1	5.94	88	64	2	0.2	2.28	<0.1	73	45.4	35	109.2	1.56	1.5	<0.05	0.15	33.3	9.4
3482282	Drill Core	3.52	<0.005	<0.1	5.31	75	57	2	0.1	1.26	0.1	39	7.2	22	15.5	0.72	1.2	<0.05	0.13	19.3	4.5
3482283	Drill Core	4.28	<0.005	<0.1	5.62	42	79	2	<0.1	0.86	<0.1	15	5.1	32	20.3	0.59	1.7	<0.05	0.18	7.2	5.5
3482284	Drill Core	4.09	<0.005	<0.1	5.20	22	50	2	<0.1	1.15	<0.1	15	3.8	17	14.3	0.55	1.0	<0.05	0.11	7.4	3.8
3482285	Drill Core	4.10	0.006	<0.1	5.93	36	39	1	<0.1	2.32	<0.1	32	12.3	34	20.5	0.81	1.5	<0.05	0.09	15.4	4.3
3482286	Drill Core	3.63	<0.005	<0.1	5.36	12	62	2	<0.1	0.80	<0.1	37	4.0	29	13.9	0.68	1.7	<0.05	0.13	17.0	8.0
3482287	Drill Core	4.77	<0.005	<0.1	5.42	10	81	1	<0.1	0.39	<0.1	40	3.8	31	12.9	0.72	1.8	<0.05	0.21	19.6	9.2
3482288	Drill Core	5.13	<0.005	<0.1	5.34	9	80	2	<0.1	0.60	<0.1	82	5.4	33	18.8	0.66	1.5	<0.05	0.14	39.1	8.6
3482289	Drill Core	4.33	<0.005	<0.1	5.78	8	106	2	<0.1	0.75	<0.1	20	4.7	26	9.3	0.82	1.5	<0.05	0.23	10.8	8.9
3482290	Drill Core	3.78	<0.005	<0.1	5.62	6	100	3	<0.1	0.86	<0.1	42	2.7	22	18.2	0.64	1.8	<0.05	0.21	21.7	6.5
3482291	Drill Core	4.28	0.007	<0.1	5.61	37	49	2	<0.1	1.16	0.9	37	10.7	28	36.8	0.81	1.5	<0.05	0.13	18.5	5.4
3482292	Drill Core	4.04	<0.005	<0.1	6.95	11	161	3	<0.1	1.50	<0.1	23	3.3	34	6.4	0.78	2.4	<0.05	0.34	11.1	7.0
3482293	Drill Core	2.50	<0.005	<0.1	5.69	15	59	2	<0.1	0.67	<0.1	20	4.5	30	9.6	0.78	1.9	<0.05	0.23	8.4	8.5
3482294	Drill Core	3.32	0.006	<0.1	5.30	29	46	1	<0.1	0.84	<0.1	21	9.6	25	8.4	0.72	1.8	<0.05	0.16	10.3	5.8
3482295	Drill Core	4.00	0.089	0.1	6.34	133	46	2	0.7	2.83	<0.1	143	111.1	36	196.3	3.26	2.5	0.05	0.17	63.2	7.0
3482296	Drill Core	2.58	0.006	<0.1	6.61	28	41	2	<0.1	2.97	<0.1	79	13.5	40	32.7	1.26	2.0	<0.05	0.18	40.4	6.3
3482297	Drill Core	3.87	0.027	<0.1	6.19	55	39	2	<0.1	1.84	<0.1	51	22.3	31	18.7	0.95	1.8	<0.05	0.14	25.3	2.9
3482298	Rock	0.19	<0.005	<0.1	7.55	1	34	<1	<0.1	0.19	<0.1	<1	<0.2	2	7.2	0.34	0.3	<0.05	4.37	0.3	23.7
3482299	Drill Core	4.54	0.005	<0.1	5.42	24	59	2	<0.1	0.68	<0.1	46	6.0	27	29.7	0.83	1.5	<0.05	0.24	23.0	7.3
3482300	Rock Pulp	0.07	0.496	0.2	7.06	3	136	<1	<0.1	6.73	<0.1	9	49.7	192	142.3	7.92	1.6	0.09	0.19	3.9	11.3
3482301	Drill Core	5.02	0.007	<0.1	5.71	19	60	2	<0.1	1.19	<0.1	66	4.1	19	12.6	0.65	1.1	<0.05	0.22	33.9	3.6
3482302	Drill Core	4.13	0.008	<0.1	6.06	148	76	2	0.1	1.45	<0.1	69	19.3	24	33.2	1.23	1.3	<0.05	0.29	34.3	6.2
3482303	Drill Core	4.67	<0.005	<0.1	5.61	7	75	2	<0.1	0.80	<0.1	40	3.0	19	9.0	0.74	0.9	<0.05	0.25	20.3	6.1
3482304	Drill Core	6.68	<0.005	<0.1	5.28	9	71	2	<0.1	0.66	<0.1	34	6.2	19	20.2	0.83	1.2	<0.05	0.27	16.0	6.2
3482305	Drill Core	3.34	0.005	<0.1	6.74	9	63	2	<0.1	1.60	<0.1	16	4.0	32	7.2	0.56	1.7	<0.05	0.18	7.2	1.8
3482306	Drill Core	5.41	0.006	<0.1	6.17	8	67	1	<0.1	1.54	<0.1	33	3.4	35	7.9	0.50	1.9	<0.05	0.16	14.9	1.6

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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3482277	Drill Core	1.26	52	0.2	5.044	0.9	31.9	0.028	2.1	2.6	<0.005	<0.1	0.1	5	<1	0.1	80	<0.1	<0.5	2.8	0.044
3482278	Drill Core	0.94	58	0.5	5.200	0.9	26.5	0.029	1.4	1.8	<0.005	<0.1	0.1	3	<1	<0.1	73	<0.1	<0.5	2.6	0.038
3482279	Drill Core	1.32	185	1.3	4.950	0.4	17.4	0.026	1.4	1.5	<0.005	<0.1	0.1	6	<1	<0.1	68	<0.1	0.5	2.6	0.018
3482280	Rock Pulp	4.25	754	6.4	1.261	2.1	222.1	0.026	36.4	26.7	<0.005	0.8	0.6	19	<1	0.4	77	0.1	1.9	1.9	0.232
3482281	Drill Core	1.59	241	0.2	4.958	0.8	271.5	0.260	8.9	1.6	<0.005	1.0	0.4	5	3	0.1	76	<0.1	<0.5	5.7	0.033
3482282	Drill Core	0.84	97	0.3	5.163	0.5	116.6	0.024	3.4	1.0	<0.005	0.2	0.5	3	<1	0.2	65	<0.1	<0.5	2.4	0.022
3482283	Drill Core	0.83	73	0.6	5.811	1.0	38.2	0.030	2.1	1.0	<0.005	<0.1	0.2	4	<1	<0.1	70	0.1	<0.5	2.7	0.044
3482284	Drill Core	0.74	105	0.3	4.642	0.4	15.1	0.036	1.7	1.0	<0.005	<0.1	0.1	4	<1	<0.1	65	<0.1	<0.5	2.1	0.020
3482285	Drill Core	1.28	188	0.7	4.996	0.5	39.2	0.068	7.8	0.9	<0.005	0.1	0.1	5	1	3.1	72	<0.1	0.6	3.6	0.022
3482286	Drill Core	1.21	66	0.3	4.937	0.7	17.7	0.032	2.6	0.7	<0.005	<0.1	<0.1	4	<1	0.7	78	<0.1	<0.5	2.6	0.032
3482287	Drill Core	1.20	59	0.3	4.965	0.7	16.6	0.028	2.0	2.1	<0.005	<0.1	0.2	4	<1	<0.1	80	<0.1	<0.5	3.1	0.030
3482288	Drill Core	1.18	84	0.2	5.045	0.8	18.0	0.027	2.8	0.6	<0.005	<0.1	0.2	5	<1	0.6	83	<0.1	<0.5	3.0	0.034
3482289	Drill Core	1.24	116	0.7	4.992	0.9	16.9	0.029	1.6	4.1	<0.005	<0.1	0.2	5	<1	0.3	84	<0.1	<0.5	3.5	0.035
3482290	Drill Core	0.90	111	0.5	5.183	1.0	14.2	0.035	2.4	2.9	<0.005	<0.1	0.2	4	<1	0.3	64	<0.1	<0.5	4.0	0.035
3482291	Drill Core	0.99	121	0.3	4.980	1.0	64.0	0.088	24.3	2.7	<0.005	0.3	0.2	4	<1	0.3	71	0.2	<0.5	4.5	0.033
3482292	Drill Core	1.47	170	0.2	5.549	1.2	15.5	0.041	3.1	11.0	<0.005	<0.1	0.1	7	<1	0.4	95	0.1	0.5	4.4	0.051
3482293	Drill Core	1.18	95	0.2	5.427	1.1	18.6	0.032	1.5	3.0	<0.005	<0.1	0.1	5	<1	0.3	76	0.1	<0.5	3.5	0.042
3482294	Drill Core	0.93	110	0.6	5.072	0.8	34.8	0.044	1.8	1.4	<0.005	<0.1	0.2	3	<1	0.2	58	<0.1	<0.5	2.8	0.033
3482295	Drill Core	1.59	331	0.3	4.959	0.5	350.6	0.202	15.1	2.2	<0.005	2.8	0.5	5	6	0.2	74	<0.1	0.7	8.4	0.018
3482296	Drill Core	1.97	329	1.9	4.917	0.9	45.7	0.138	3.8	1.9	<0.005	0.2	0.1	9	<1	0.1	71	0.1	1.3	6.7	0.033
3482297	Drill Core	1.01	155	0.7	5.189	0.8	63.9	0.171	3.2	1.4	<0.005	0.4	0.2	4	1	<0.1	64	<0.1	<0.5	6.1	0.024
3482298	Rock	0.02	47	0.5	7.133	0.2	0.3	0.001	4.6	42.2	<0.005	<0.1	0.2	<1	<1	0.3	36	<0.1	<0.5	0.3	0.002
3482299	Drill Core	1.22	99	0.3	5.133	0.8	34.7	0.042	1.6	3.3	<0.005	<0.1	0.1	4	<1	0.2	68	<0.1	<0.5	2.8	0.039
3482300	Rock Pulp	4.18	1416	0.8	2.213	3.7	97.5	0.042	2.8	3.2	<0.005	0.1	0.4	42	<1	0.5	100	0.2	1.3	0.4	0.656
3482301	Drill Core	1.04	159	0.3	4.804	0.5	28.6	0.034	2.2	5.6	<0.005	<0.1	0.4	4	<1	0.1	75	<0.1	<0.5	2.5	0.024
3482302	Drill Core	1.31	131	0.6	4.774	0.6	175.9	0.104	7.9	9.6	<0.005	0.6	0.6	5	2	0.1	94	<0.1	<0.5	4.3	0.031
3482303	Drill Core	1.06	80	0.3	4.778	0.6	21.1	0.025	2.0	6.4	<0.005	<0.1	0.1	3	<1	<0.1	90	<0.1	<0.5	2.0	0.033
3482304	Drill Core	1.11	82	0.2	4.875	0.8	28.5	0.029	3.6	4.9	<0.005	0.1	0.1	3	<1	0.2	73	<0.1	<0.5	1.9	0.039
3482305	Drill Core	0.95	154	0.4	5.947	0.9	11.1	0.100	2.5	2.4	<0.005	<0.1	0.1	4	1	<0.1	82	<0.1	<0.5	5.3	0.030
3482306	Drill Core	0.89	140	0.3	5.333	1.1	8.9	0.069	3.5	2.2	<0.005	<0.1	<0.1	5	1	0.2	62	0.1	<0.5	5.7	0.043

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: November 09, 2019

CERTIFICATE OF ANALYSIS TIM19002337.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA550
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3482277	Drill Core	<0.5	0.7	40	0.2	3.9	20	50.5	
3482278	Drill Core	<0.5	0.7	30	0.4	3.3	6	54.2	
3482279	Drill Core	<0.5	1.0	22	0.5	6.9	31	43.1	
3482280	Rock Pulp	<0.5	0.5	135	13.1	9.0	81	50.6	10.3
3482281	Drill Core	<0.5	1.9	31	1.1	13.9	3	54.8	
3482282	Drill Core	<0.5	0.7	24	0.8	4.5	2	38.6	
3482283	Drill Core	<0.5	1.1	32	0.7	3.4	2	55.9	
3482284	Drill Core	<0.5	0.9	19	0.5	4.9	51	35.2	
3482285	Drill Core	<0.5	2.8	21	0.7	8.2	37	53.7	
3482286	Drill Core	<0.5	0.6	31	0.2	4.5	10	61.7	
3482287	Drill Core	<0.5	0.5	31	0.1	3.8	4	56.7	
3482288	Drill Core	<0.5	0.5	30	0.2	5.7	5	53.0	
3482289	Drill Core	<0.5	0.8	33	0.3	5.8	3	55.4	
3482290	Drill Core	<0.5	1.0	27	0.8	6.0	5	58.6	
3482291	Drill Core	<0.5	1.8	28	1.6	7.3	334	58.3	
3482292	Drill Core	<0.5	1.6	49	0.9	6.9	39	86.5	
3482293	Drill Core	<0.5	0.6	35	0.6	4.8	4	66.3	
3482294	Drill Core	<0.5	1.6	29	0.9	5.5	2	62.9	
3482295	Drill Core	<0.5	4.5	28	0.6	16.5	3	87.1	
3482296	Drill Core	<0.5	2.6	61	1.1	17.2	4	69.5	
3482297	Drill Core	<0.5	2.8	26	0.6	11.5	2	65.8	
3482298	Rock	0.6	<0.1	<1	<0.1	1.4	12	16.5	
3482299	Drill Core	<0.5	0.6	36	0.3	5.2	4	52.4	
3482300	Rock Pulp	<0.5	<0.1	300	1.1	19.3	76	48.5	
3482301	Drill Core	<0.5	1.0	20	0.3	7.0	21	38.8	
3482302	Drill Core	<0.5	2.0	29	0.4	10.3	49	44.4	
3482303	Drill Core	<0.5	0.7	22	0.4	4.8	3	33.1	
3482304	Drill Core	<0.5	0.7	27	0.6	4.3	5	39.3	
3482305	Drill Core	<0.5	3.7	22	1.0	11.2	7	67.1	
3482306	Drill Core	<0.5	3.1	32	1.2	9.6	3	71.1	

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: November 09, 2019

CERTIFICATE OF ANALYSIS TIM19002337.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3482307	Drill Core	4.62	0.025	<0.1	6.34	123	44	3	0.2	1.56	<0.1	28	53.7	40	44.1	0.75	2.0	<0.05	0.15	12.7	1.0
3482308	Drill Core	4.67	<0.005	<0.1	5.62	24	85	2	<0.1	0.69	<0.1	43	11.1	31	21.2	0.88	1.7	<0.05	0.38	21.4	5.0
3482309	Drill Core	3.33	0.009	<0.1	5.65	39	34	1	<0.1	0.99	<0.1	51	29.0	25	6.8	0.55	1.5	<0.05	0.14	24.5	0.7
3482310	Drill Core	3.97	<0.005	<0.1	5.10	3	30	1	<0.1	1.03	<0.1	26	1.8	14	7.4	0.42	1.6	<0.05	0.15	11.6	0.9
3482311	Drill Core	3.98	0.008	<0.1	6.23	174	42	2	0.2	1.48	<0.1	23	83.1	32	13.3	0.56	1.9	<0.05	0.17	10.0	0.9
3482312	Drill Core	4.34	0.006	<0.1	5.71	31	70	2	<0.1	0.65	<0.1	13	15.5	25	23.7	0.82	1.3	<0.05	0.29	6.2	4.3

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Project: SPJ
Report Date: November 09, 2019

CERTIFICATE OF ANALYSIS TIM19002337.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3482307	Drill Core	0.80	117	0.4	5.582	0.8	93.2	0.122	4.6	3.0	<0.005	0.3	0.2	5	2	<0.1	61	<0.1	0.8	5.7	0.030
3482308	Drill Core	1.34	66	0.3	4.802	0.7	27.1	0.036	1.4	14.7	<0.005	0.1	0.1	4	<1	<0.1	72	<0.1	<0.5	3.2	0.043
3482309	Drill Core	0.61	93	0.3	5.352	0.5	26.8	0.053	1.4	1.2	<0.005	0.1	0.1	3	1	<0.1	44	<0.1	<0.5	4.2	0.018
3482310	Drill Core	0.59	99	0.2	5.348	0.8	5.4	0.034	0.9	0.5	<0.005	<0.1	<0.1	3	<1	<0.1	40	<0.1	<0.5	2.4	0.027
3482311	Drill Core	0.78	119	0.3	5.350	0.8	82.7	0.153	2.6	2.7	<0.005	0.1	0.3	4	<1	<0.1	63	<0.1	<0.5	6.4	0.028
3482312	Drill Core	1.16	57	0.3	5.248	0.8	36.8	0.034	1.5	5.4	<0.005	0.1	0.1	4	1	0.1	75	<0.1	<0.5	2.4	0.039

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Project: SPJ
Report Date: November 09, 2019

CERTIFICATE OF ANALYSIS TIM19002337.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA550
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3482307	Drill Core	<0.5	6.3	25	1.0	10.0	5	70.0	
3482308	Drill Core	<0.5	0.6	37	0.2	4.3	4	57.8	
3482309	Drill Core	<0.5	1.3	18	0.5	4.9	1	55.6	
3482310	Drill Core	<0.5	0.5	19	1.1	3.4	2	59.1	
3482311	Drill Core	<0.5	2.5	23	1.6	10.0	2	63.3	
3482312	Drill Core	<0.5	0.7	35	0.7	3.5	3	48.2	

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Project: SPJ
Report Date: November 09, 2019

QUALITY CONTROL REPORT TIM19002337.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
Pulp Duplicates																					
3482218	Drill Core	5.74	0.026	<0.1	6.30	10	61	1	<0.1	1.90	<0.1	37	6.7	44	14.5	0.86	2.9	<0.05	0.19	19.1	2.1
REP 3482218	QC		0.026																		
3482222	Drill Core	5.69	0.007	<0.1	7.35	4	170	2	<0.1	3.73	<0.1	35	24.6	58	15.1	4.10	3.2	<0.05	0.47	15.6	7.0
REP 3482222	QC			<0.1	7.29	4	184	1	<0.1	3.76	0.1	37	26.8	53	15.5	4.17	3.2	<0.05	0.51	16.3	6.5
3482232	Drill Core	2.96	0.039	<0.1	6.45	6	73	2	<0.1	2.20	<0.1	33	10.9	72	7.2	1.53	3.6	<0.05	0.41	14.1	5.0
REP 3482232	QC		0.036																		
3482254	Drill Core	5.34	0.005	<0.1	7.23	2	11	<1	<0.1	3.73	<0.1	78	6.9	46	2.2	1.11	2.3	<0.05	0.24	37.6	0.9
REP 3482254	QC		<0.005																		
3482257	Drill Core	5.24	0.012	<0.1	7.02	6	11	<1	<0.1	3.34	<0.1	63	9.5	56	2.8	0.96	3.5	<0.05	0.15	30.9	1.1
REP 3482257	QC			<0.1	7.02	6	10	<1	<0.1	3.27	<0.1	62	9.6	56	2.3	0.93	3.3	<0.05	0.15	29.4	0.9
3482275	Rock	0.21	0.006	<0.1	4.58	<1	27	<1	<0.1	0.15	<0.1	<1	0.2	2	3.4	0.31	0.4	<0.05	3.98	0.2	21.1
REP 3482275	QC		<0.005																		
3482280	Rock Pulp	0.07	>10	2.1	5.43	56	228	<1	0.5	3.91	0.1	11	35.0	528	111.5	4.55	1.4	<0.05	0.70	6.0	33.1
REP 3482280	QC																				
3482292	Drill Core	4.04	<0.005	<0.1	6.95	11	161	3	<0.1	1.50	<0.1	23	3.3	34	6.4	0.78	2.4	<0.05	0.34	11.1	7.0
REP 3482292	QC			<0.1	6.95	13	155	2	<0.1	1.47	<0.1	22	4.1	33	6.4	0.77	2.3	<0.05	0.32	10.6	6.6
Core Reject Duplicates																					
3482247	Drill Core	5.93	0.061	<0.1	7.49	7	21	1	<0.1	4.23	<0.1	64	10.3	50	2.2	1.18	2.4	<0.05	0.14	32.3	1.4
DUP 3482247	QC		0.060	<0.1	7.39	8	19	1	<0.1	4.11	<0.1	59	11.5	45	2.9	1.13	2.4	<0.05	0.14	27.7	1.5
3482281	Drill Core	4.29	0.011	<0.1	5.94	88	64	2	0.2	2.28	<0.1	73	45.4	35	109.2	1.56	1.5	<0.05	0.15	33.3	9.4
DUP 3482281	QC		0.011	<0.1	5.92	85	61	2	0.2	2.16	<0.1	59	37.6	35	104.3	1.45	1.8	<0.05	0.15	28.7	8.8
Reference Materials																					
STD OREAS25A-4A	Standard			<0.1	8.47	9	147	1	0.3	0.26	<0.1	45	7.4	107	33.6	6.43	3.7	0.09	0.43	20.9	39.4
STD OREAS25A-4A	Standard			<0.1	9.35	9	135	<1	0.2	0.30	<0.1	45	8.0	125	32.8	6.61	4.1	0.06	0.47	21.1	38.2
STD OREAS25A-4A	Standard			<0.1	8.59	9	136	<1	0.2	0.27	<0.1	41	8.1	118	32.9	6.56	4.0	0.12	0.47	18.4	38.1
STD OREAS25A-4A	Standard			<0.1	8.94	9	142	<1	0.3	0.29	<0.1	47	8.3	116	32.5	6.44	4.0	<0.05	0.48	21.7	37.9
STD OREAS45E	Standard			0.3	7.35	18	260	<1	0.3	0.06	<0.1	26	58.4	1091	821.6	26.30	3.0	0.09	0.33	12.3	7.1
STD OREAS45H	Standard			0.1	8.20	18	317	2	<0.1	0.13	<0.1	24	96.6	797	793.5	20.73	3.6	0.08	0.21	12.3	14.7

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QUALITY CONTROL REPORT TIM19002337.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
Pulp Duplicates																					
3482218	Drill Core	1.03	171	0.3	5.385	1.7	16.4	0.048	1.6	5.8	<0.005	0.1	0.2	5	1	0.6	59	0.1	<0.5	6.2	0.073
REP 3482218	QC																				
3482222	Drill Core	2.40	516	0.6	4.493	3.8	39.7	0.108	1.8	22.7	<0.005	0.1	0.3	12	1	0.9	160	0.3	0.6	6.7	0.610
REP 3482222	QC	2.44	565	0.7	4.327	4.0	41.2	0.105	1.9	24.6	<0.005	0.1	0.2	12	<1	0.7	174	0.3	0.8	7.1	0.611
3482232	Drill Core	1.54	245	0.5	5.939	3.1	28.8	0.046	1.2	9.8	0.008	0.1	0.1	7	<1	0.6	59	0.3	<0.5	8.1	0.156
REP 3482232	QC																				
3482254	Drill Core	1.77	365	0.7	6.888	1.9	9.9	0.047	0.9	0.8	<0.005	<0.1	0.4	5	1	0.3	39	0.2	1.4	6.6	0.082
REP 3482254	QC																				
3482257	Drill Core	1.62	251	0.5	7.064	3.9	11.8	0.046	1.3	0.4	<0.005	<0.1	0.8	4	1	0.9	32	0.3	0.6	7.3	0.168
REP 3482257	QC	1.62	241	0.4	6.711	3.9	11.4	0.046	1.2	0.4	<0.005	<0.1	0.7	4	<1	1.0	33	0.3	<0.5	7.4	0.169
3482275	Rock	0.01	42	0.3	7.457	0.1	0.5	<0.001	3.2	40.9	<0.005	<0.1	0.1	<1	2	0.1	23	<0.1	<0.5	0.1	0.003
REP 3482275	QC																				
3482280	Rock Pulp	4.25	754	6.4	1.261	2.1	222.1	0.026	36.4	26.7	<0.005	0.8	0.6	19	<1	0.4	77	0.1	1.9	1.9	0.232
REP 3482280	QC																				
3482292	Drill Core	1.47	170	0.2	5.549	1.2	15.5	0.041	3.1	11.0	<0.005	<0.1	0.1	7	<1	0.4	95	0.1	0.5	4.4	0.051
REP 3482292	QC	1.42	168	0.2	5.524	1.2	14.6	0.042	2.8	10.1	<0.005	<0.1	0.1	7	<1	0.4	97	0.1	<0.5	4.4	0.047
Core Reject Duplicates																					
3482247	Drill Core	2.07	355	0.2	6.436	2.5	17.5	0.026	0.9	1.2	<0.005	0.1	0.9	8	<1	0.7	52	0.2	0.6	9.2	0.110
DUP 3482247	QC	2.00	328	0.2	6.351	2.7	17.4	0.026	1.0	1.0	<0.005	0.1	0.8	8	<1	0.6	49	0.2	0.7	8.9	0.112
3482281	Drill Core	1.59	241	0.2	4.958	0.8	271.5	0.260	8.9	1.6	<0.005	1.0	0.4	5	3	0.1	76	<0.1	<0.5	5.7	0.033
DUP 3482281	QC	1.56	253	0.3	5.026	0.8	242.8	0.220	8.1	1.6	<0.005	0.9	0.4	5	2	0.2	77	<0.1	0.6	5.3	0.032
Reference Materials																					
STD OREAS25A-4A	Standard	0.33	454	2.5	0.138	19.4	46.1	0.044	24.9	55.0	<0.005	<0.1	0.6	12	2	4.0	45	1.4	<0.5	15.6	0.877
STD OREAS25A-4A	Standard	0.28	481	2.6	0.130	19.8	46.3	0.048	22.6	55.0	<0.005	<0.1	0.5	12	2	3.6	41	1.5	<0.5	13.7	0.951
STD OREAS25A-4A	Standard	0.27	469	2.4	0.135	19.7	45.4	0.053	23.0	51.4	<0.005	<0.1	0.5	11	2	3.5	41	1.5	<0.5	13.8	0.911
STD OREAS25A-4A	Standard	0.36	507	2.6	0.140	19.4	43.9	0.052	25.2	58.8	<0.005	<0.1	0.6	12	3	3.8	48	1.4	<0.5	16.3	0.909
STD OREAS45E	Standard	0.17	528	2.7	0.058	6.2	499.3	0.034	19.5	23.1	<0.005	<0.1	1.1	92	3	1.4	18	0.5	<0.5	14.7	0.560
STD OREAS45H	Standard	0.23	409	1.4	0.101	14.3	438.8	0.026	12.3	19.9	<0.005	<0.1	0.6	53	2	1.8	25	1.0	<0.5	7.2	0.883

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Bureau Veritas Commodities Canada Ltd.
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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: November 09, 2019

QUALITY CONTROL REPORT TIM19002337.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA550
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
Pulp Duplicates									
3482218	Drill Core	<0.5	2.8	33	2.4	7.8	3	101.2	
REP 3482218	QC								
3482222	Drill Core	<0.5	2.6	119	0.8	17.2	31	116.9	
REP 3482222	QC	<0.5	2.6	119	1.1	17.7	33	116.4	
3482232	Drill Core	<0.5	1.7	59	2.1	7.5	2	120.8	
REP 3482232	QC								
3482254	Drill Core	<0.5	0.7	40	2.9	5.8	2	81.4	
REP 3482254	QC								
3482257	Drill Core	<0.5	1.0	41	6.1	6.4	2	120.1	
REP 3482257	QC	<0.5	1.0	41	5.6	6.5	1	120.0	
3482275	Rock	0.6	<0.1	1	<0.1	0.8	8	18.9	
REP 3482275	QC								
3482280	Rock Pulp	<0.5	0.5	135	13.1	9.0	81	50.6	10.3
REP 3482280	QC								I.S.
3482292	Drill Core	<0.5	1.6	49	0.9	6.9	39	86.5	
REP 3482292	QC	<0.5	1.5	47	0.7	6.3	38	80.6	
Core Reject Duplicates									
3482247	Drill Core	<0.5	1.6	50	2.8	8.3	<1	92.8	
DUP 3482247	QC	<0.5	1.6	49	2.6	7.7	1	86.7	
3482281	Drill Core	<0.5	1.9	31	1.1	13.9	3	54.8	
DUP 3482281	QC	<0.5	2.1	31	1.1	12.6	3	60.6	
Reference Materials									
STD OREAS25A-4A	Standard	<0.5	2.9	153	1.7	9.6	44	146.6	
STD OREAS25A-4A	Standard	<0.5	2.5	164	1.9	9.9	45	148.4	
STD OREAS25A-4A	Standard	<0.5	2.5	156	2.0	9.1	45	151.5	
STD OREAS25A-4A	Standard	<0.5	2.9	154	2.0	10.5	38	148.6	
STD OREAS45E	Standard	<0.5	2.6	336	1.1	9.0	45	102.2	
STD OREAS45H	Standard	<0.5	1.6	269	0.9	9.1	39	121.9	

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Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: November 09, 2019

QUALITY CONTROL REPORT TIM19002337.1

		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
STD OREAS45E	Standard			0.3	6.81	16	240	<1	0.2	0.08	<0.1	19	62.9	1016	792.3	24.68	2.8	0.09	0.32	7.8	6.7
STD OREAS45H	Standard			0.1	8.26	17	353	<1	0.1	0.14	<0.1	26	89.1	654	783.7	20.47	3.3	0.10	0.22	13.3	14.2
STD OXC145	Standard		0.211																		
STD OXC145	Standard		0.216																		
STD OXC145	Standard		0.212																		
STD OXC145	Standard		0.200																		
STD OXC145	Standard		0.206																		
STD OXH139	Standard		1.233																		
STD OXH139	Standard		1.316																		
STD OXH139	Standard		1.261																		
STD OXH139	Standard		1.237																		
STD OXH139	Standard		1.307																		
STD OXN134	Standard		7.423																		
STD OXN134	Standard		7.439																		
STD OXN134	Standard		7.392																		
STD OXN134	Standard		7.224																		
STD OXN134	Standard		7.431																		
STD OXP116	Standard																				
STD OXQ90	Standard																				
STD OXQ90	Standard																				
STD OXC145 Expected			0.212																		
STD OXN134 Expected			7.667																		
STD OXH139 Expected			1.312																		
STD OXP116 Expected																					
STD OXQ90 Expected																					
STD OREAS45E Expected				0.311	6.78	16.3	252		0.28	0.065	0.06	23.5	57	979	780	24.12	3.11	0.099	0.324	11	6.58
STD OREAS25A-4A Expected					8.87	9.94	147	0.93	0.37	0.301		47.3	7.7	115	33.9	6.6	4.14	0.09	0.482	21.8	36.7
STD OREAS45H Expected				0.147	7.99	16.9	332	1.09	0.17	0.135		23.6	88	602	767	19.52	3.6	0.1	0.205	12.4	13.1
BLK	Blank		<0.005																		

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Project: SPJ
Report Date: November 09, 2019

QUALITY CONTROL REPORT TIM19002337.1

		MA200 Mg % 0.01	MA200 Mn ppm 1	MA200 Mo ppm 0.1	MA200 Na % 0.001	MA200 Nb ppm 0.1	MA200 Ni ppm 0.1	MA200 P % 0.001	MA200 Pb ppm 0.1	MA200 Rb ppm 0.1	MA200 Re ppm 0.005	MA200 S % 0.1	MA200 Sb ppm 0.1	MA200 Sc ppm 1	MA200 Se ppm 1	MA200 Sn ppm 0.1	MA200 Sr ppm 1	MA200 Ta ppm 0.1	MA200 Te ppm 0.5	MA200 Th ppm 0.1	MA200 Ti % 0.001
STD OREAS45E	Standard	0.13	553	2.5	0.044	6.2	475.0	0.035	17.2	18.1	<0.005	<0.1	0.9	86	2	1.1	15	0.5	<0.5	10.8	0.502
STD OREAS45H	Standard	0.28	411	1.3	0.107	14.0	439.3	0.026	12.8	22.6	<0.005	<0.1	0.5	56	2	1.9	30	1.0	<0.5	7.9	0.910
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXN134	Standard																				
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STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXP116	Standard																				
STD OXQ90	Standard																				
STD OXQ90	Standard																				
STD OXC145 Expected																					
STD OXN134 Expected																					
STD OXH139 Expected																					
STD OXP116 Expected																					
STD OXQ90 Expected																					
STD OREAS45E Expected		0.156	570	2.4	0.059	6.8	454	0.034	18.2	21.2		0.046	1	93	2.97	1.32	15.9	0.54	0.1	12.9	0.559
STD OREAS25A-4A Expected		0.327	480	2.41	0.131	20.9	45.8	0.048	25.2	61		0.047	0.65	13.7	2.4	4.06	48.5	1.4		15.8	0.93
STD OREAS45H Expected		0.238	380	1.55	0.09	14.8	423	0.023	11.9	22.5			0.63	57	2.02	1.93	27.1	1.08		7.26	0.878
BLK	Blank																				

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: November 09, 2019

QUALITY CONTROL REPORT TIM19002337.1

		MA200 Tl ppm 0.5	MA200 U ppm 0.1	MA200 V ppm 1	MA200 W ppm 0.1	MA200 Y ppm 0.1	MA200 Zn ppm 1	MA200 Zr ppm 0.1	FA550 Au gm/t 0.9
STD OREAS45E	Standard	<0.5	2.2	308	1.0	6.4	47	95.4	
STD OREAS45H	Standard	<0.5	1.7	282	0.9	10.3	35	128.1	
STD OXC145	Standard								
STD OXC145	Standard								
STD OXC145	Standard								
STD OXC145	Standard								
STD OXC145	Standard								
STD OXH139	Standard								
STD OXH139	Standard								
STD OXH139	Standard								
STD OXH139	Standard								
STD OXH139	Standard								
STD OXN134	Standard								
STD OXN134	Standard								
STD OXN134	Standard								
STD OXN134	Standard								
STD OXN134	Standard								
STD OXP116	Standard								15.0
STD OXQ90	Standard								24.4
STD OXQ90	Standard								25.1
STD OXC145 Expected									
STD OXN134 Expected									
STD OXH139 Expected									
STD OXP116 Expected									14.92
STD OXQ90 Expected									24.88
STD OREAS45E Expected		0.15	2.41	322	1.07	8.28	46.7	97	
STD OREAS25A-4A Expected		0.35	2.94	157	2	10.5	44.4	155	
STD OREAS45H Expected			1.68	263	0.99	10.4	39.7	131	
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QUALITY CONTROL REPORT TIM19002337.1

		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
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BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank																				
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	1	0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
Prep Wash																					
ROCK-TIM	Prep Blank		<0.005	<0.1	6.46	2	748	<1	<0.1	1.45	<0.1	22	3.8	3	5.2	2.01	1.6	<0.05	1.52	11.6	3.0
ROCK-TIM	Prep Blank		<0.005	<0.1	6.60	1	751	<1	<0.1	1.47	<0.1	22	3.7	3	6.7	2.05	1.8	<0.05	1.50	12.0	3.6

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QUALITY CONTROL REPORT TIM19002337.1

		MA200 Mg % 0.01	MA200 Mn ppm 1	MA200 Mo ppm 0.1	MA200 Na % 0.001	MA200 Nb ppm 0.1	MA200 Ni ppm 0.1	MA200 P % 0.001	MA200 Pb ppm 0.1	MA200 Rb ppm 0.1	MA200 Re ppm 0.005	MA200 S % 0.1	MA200 Sb ppm 0.1	MA200 Sc ppm 1	MA200 Se ppm 1	MA200 Sn ppm 0.1	MA200 Sr ppm 1	MA200 Ta ppm 0.1	MA200 Te ppm 0.5	MA200 Th ppm 0.1	MA200 Ti % 0.001
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<1	<0.1	0.005	<0.1	<0.1	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.001	<0.1	<0.1	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.004	<0.1	<0.1	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	<0.001	<0.1	<0.1	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
Prep Wash																					
ROCK-TIM	Prep Blank	0.48	601	0.7	3.387	5.3	1.1	0.042	2.6	31.9	<0.005	<0.1	0.2	6	<1	0.5	190	0.4	<0.5	2.9	0.199
ROCK-TIM	Prep Blank	0.47	612	1.0	3.365	5.0	1.0	0.040	2.6	31.8	<0.005	<0.1	0.2	6	<1	0.7	186	0.4	<0.5	2.7	0.194

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QUALITY CONTROL REPORT TIM19002337.1

		MA200 Tl ppm 0.5	MA200 U ppm 0.1	MA200 V ppm 1	MA200 W ppm 0.1	MA200 Y ppm 0.1	MA200 Zn ppm 1	MA200 Zr ppm 0.1	FA550 Au gm/t 0.9
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								<0.9
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	0.1	
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	0.1	
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1	
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1	
Prep Wash									
ROCK-TIM	Prep Blank	<0.5	1.1	31	0.3	14.9	34	53.3	
ROCK-TIM	Prep Blank	<0.5	1.2	30	0.2	14.7	32	52.6	

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MINERAL LABORATORIES
Canada

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By: Quentin Yarie
Receiving Lab: Canada-Timmins
Received: October 17, 2019
Report Date: November 16, 2019

CERTIFICATE OF ANALYSIS TIM19002338.1

CLIENT JOB INFORMATION

Project: SPJ
Shipment ID:
P.O. Number
Number of Samples: 96

SAMPLE DISPOSAL

RTRN-PLP Return After 90 days
RTRN-RJT Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP85-500	91	Crush split and pulverize 250g of sample to 200mesh			TIM
SHP01	96	Per sample shipping charges for branch shipments			TIM
SLBHP	5	Sort, label and box pulps			TIM
FA450	96	50g Lead Collection Fire Assay Fusion - AAS Finish	50	Completed	TIM
EN002	96	Environmental disposal charge-Fire assay lead waste			TIM
MA200	96	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
EN001-MA	96	Environmental disposal fee - Multi-acid neutralization			VAN

ADDITIONAL COMMENTS

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC: Quentin Yarie
Nicholas Wray

BRITISH COLUMBIA CERTIFIED ASSAYER
Marcus Lau
MARCUS LAU
Production Manager

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All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: November 16, 2019

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	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3482313	Drill Core	5.24	<0.005	<0.1	6.47	46	117	2	<0.1	0.76	<0.1	25	27.7	49	18.6	1.01	2.5	<0.05	0.44	12.0	6.1
3482314	Drill Core	4.04	<0.005	<0.1	6.71	10	66	1	<0.1	1.70	<0.1	59	5.5	21	3.5	0.63	1.7	<0.05	0.18	29.9	1.1
3482315	Drill Core	3.16	0.006	<0.1	6.90	27	52	2	<0.1	2.44	<0.1	85	14.0	54	15.5	1.20	2.2	<0.05	0.23	42.8	5.5
3482316	Drill Core	3.88	0.011	<0.1	5.72	12	42	2	<0.1	4.52	<0.1	30	6.8	47	9.3	1.35	2.2	<0.05	0.21	15.1	2.6
3482317	Drill Core	3.06	0.031	<0.1	5.53	12	43	1	<0.1	4.74	<0.1	56	7.2	34	8.3	1.26	1.7	<0.05	0.18	29.0	1.7
3482318	Drill Core	3.33	0.006	<0.1	5.90	7	48	2	<0.1	4.22	<0.1	57	5.2	31	5.2	1.33	1.3	<0.05	0.23	29.4	3.0
3482319	Drill Core	3.80	0.005	<0.1	6.57	6	65	1	<0.1	2.60	<0.1	50	3.2	32	6.7	0.92	1.6	<0.05	0.27	25.2	2.4
3482320	Rock Pulp	0.07	1.572	0.2	7.05	824	309	<1	<0.1	5.68	<0.1	35	46.3	206	76.5	8.59	3.1	0.05	0.67	18.9	9.5
3482321	Drill Core	4.61	0.028	<0.1	4.84	10	36	1	<0.1	5.65	<0.1	32	4.9	32	11.9	1.38	1.3	<0.05	0.15	16.6	1.6
3482322	Drill Core	5.32	<0.005	<0.1	5.87	6	49	1	0.1	5.10	<0.1	33	2.5	22	5.2	1.17	1.1	<0.05	0.19	15.7	1.5
3482323	Drill Core	5.68	<0.005	<0.1	6.07	5	71	1	<0.1	1.34	<0.1	31	2.5	11	6.1	0.69	1.1	<0.05	0.23	14.8	2.0
3482324	Drill Core	4.77	<0.005	<0.1	5.54	2	36	2	<0.1	1.32	<0.1	245	1.7	9	3.2	0.61	1.2	<0.05	0.19	133.5	2.1
3482325	Rock	0.20	<0.005	<0.1	7.80	1	38	<1	<0.1	0.20	<0.1	1	<0.2	<1	3.8	0.37	0.5	<0.05	3.93	0.5	26.9
3482326	Drill Core	4.88	0.008	<0.1	6.02	4	25	2	<0.1	1.63	<0.1	37	3.0	24	7.0	0.60	2.2	<0.05	0.14	18.4	1.6
3482327	Drill Core	4.13	0.006	<0.1	5.55	6	22	2	<0.1	2.25	<0.1	28	3.9	21	5.5	0.77	1.8	<0.05	0.17	13.4	2.7
3482328	Drill Core	3.72	0.062	<0.1	5.85	6	26	2	<0.1	3.50	<0.1	34	4.1	36	5.4	0.96	1.9	<0.05	0.15	16.8	1.8
3482329	Drill Core	5.14	<0.005	<0.1	5.38	2	26	<1	<0.1	5.10	<0.1	43	1.1	22	6.2	0.98	1.4	<0.05	0.09	21.2	0.8
3482330	Drill Core	4.36	0.017	<0.1	6.35	6	36	2	<0.1	2.62	<0.1	46	3.5	31	8.5	0.79	1.9	<0.05	0.16	21.8	2.0
3482331	Drill Core	3.16	<0.005	<0.1	6.23	4	30	2	<0.1	2.48	<0.1	29	2.2	26	9.6	0.75	2.0	<0.05	0.14	13.3	2.4
3482332	Drill Core	5.35	<0.005	<0.1	6.23	4	42	2	<0.1	1.13	<0.1	38	1.7	32	6.1	0.56	2.4	<0.05	0.15	17.6	2.1
3482333	Drill Core	4.41	<0.005	<0.1	6.32	2	39	2	<0.1	2.03	<0.1	27	1.1	20	3.2	0.72	1.6	<0.05	0.14	12.2	2.2
3482334	Drill Core	3.60	0.016	<0.1	6.17	6	30	2	<0.1	3.02	<0.1	25	7.1	24	3.5	0.83	2.2	<0.05	0.11	11.3	1.0
3482335	Drill Core	4.38	<0.005	<0.1	6.49	5	32	2	<0.1	3.06	<0.1	35	2.6	21	5.6	0.83	1.7	<0.05	0.13	16.6	1.9
3482336	Drill Core	4.79	<0.005	<0.1	6.45	4	29	2	<0.1	3.24	<0.1	30	1.8	25	4.5	0.79	1.7	<0.05	0.12	14.7	1.3
3482337	Drill Core	4.37	<0.005	<0.1	5.85	3	35	1	<0.1	1.17	<0.1	23	1.7	18	5.1	0.61	1.5	<0.05	0.15	11.3	2.7
3482338	Drill Core	4.07	<0.005	<0.1	6.19	5	30	2	<0.1	1.92	<0.1	26	2.3	17	7.4	0.67	1.4	<0.05	0.17	12.5	2.9
3482339	Drill Core	3.80	<0.005	<0.1	6.25	5	32	2	<0.1	3.71	<0.1	24	3.2	27	8.4	0.90	1.8	<0.05	0.18	11.5	2.3
3482340	Rock Pulp	0.07	5.318	0.9	6.20	22	216	<1	0.2	5.38	0.1	12	41.8	261	133.4	6.85	1.5	0.07	0.45	4.9	18.7
3482341	Drill Core	5.26	<0.005	<0.1	6.21	31	55	2	<0.1	1.25	<0.1	41	14.2	24	23.2	0.71	1.5	<0.05	0.22	20.6	5.5
3482342	Drill Core	5.65	<0.005	<0.1	6.32	21	44	2	<0.1	1.17	<0.1	26	9.4	27	15.4	0.73	1.6	<0.05	0.18	12.3	4.5

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: November 16, 2019

CERTIFICATE OF ANALYSIS TIM19002338.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3482313	Drill Core	1.59	74	0.5	5.675	1.3	55.8	0.054	2.0	9.6	<0.005	0.1	0.2	8	<1	0.2	80	0.1	<0.5	4.8	0.060
3482314	Drill Core	1.05	139	0.4	5.622	0.7	10.0	0.051	1.1	2.7	<0.005	<0.1	0.1	5	1	0.1	76	<0.1	<0.5	4.0	0.028
3482315	Drill Core	2.08	222	0.6	5.175	1.1	33.9	0.050	2.3	6.8	<0.005	<0.1	0.2	12	<1	0.1	102	0.1	0.7	6.4	0.049
3482316	Drill Core	2.85	371	0.3	4.306	1.6	22.1	0.042	1.4	6.5	<0.005	<0.1	0.1	19	<1	<0.1	117	0.1	1.5	4.6	0.040
3482317	Drill Core	2.69	370	0.3	4.297	0.8	15.5	0.030	1.7	4.0	<0.005	<0.1	0.2	26	1	<0.1	109	<0.1	1.5	3.5	0.024
3482318	Drill Core	2.80	356	0.5	4.365	1.0	15.3	0.027	1.0	5.9	<0.005	<0.1	0.1	24	1	<0.1	113	<0.1	1.5	3.9	0.036
3482319	Drill Core	1.67	172	1.0	5.137	1.1	14.2	0.028	1.4	6.3	<0.005	<0.1	<0.1	12	1	<0.1	110	0.1	0.6	3.4	0.044
3482320	Rock Pulp	3.92	1898	2.7	2.050	18.9	147.2	0.169	4.6	18.9	<0.005	0.8	2.2	19	1	1.4	369	1.1	1.9	3.0	0.931
3482321	Drill Core	2.98	458	0.4	3.906	0.7	15.5	0.037	1.6	2.9	<0.005	<0.1	0.2	21	2	<0.1	96	<0.1	2.5	3.5	0.020
3482322	Drill Core	2.72	387	0.5	4.391	1.0	8.4	0.028	1.1	4.6	<0.005	<0.1	0.2	23	<1	0.2	104	0.1	1.0	3.7	0.020
3482323	Drill Core	0.94	132	0.5	4.710	0.5	8.0	0.033	1.2	5.3	<0.005	<0.1	0.2	6	<1	0.2	109	<0.1	<0.5	3.0	0.021
3482324	Drill Core	0.93	161	0.3	4.662	0.6	5.2	0.031	1.0	3.2	<0.005	<0.1	0.1	5	<1	<0.1	70	<0.1	<0.5	3.6	0.022
3482325	Rock	0.03	57	0.4	6.986	0.2	0.7	<0.001	4.6	53.1	<0.005	<0.1	0.2	<1	<1	0.2	47	<0.1	<0.5	0.3	0.002
3482326	Drill Core	1.04	188	0.5	4.961	1.0	9.4	0.039	1.1	1.8	<0.005	<0.1	0.1	7	<1	0.1	80	0.1	<0.5	4.6	0.036
3482327	Drill Core	1.39	225	0.1	4.418	0.7	10.5	0.034	1.5	2.8	<0.005	<0.1	<0.1	9	<1	0.1	67	<0.1	<0.5	4.0	0.031
3482328	Drill Core	1.99	303	0.2	4.609	1.4	11.9	0.035	2.3	3.3	<0.005	<0.1	0.2	16	<1	0.7	87	0.1	0.9	5.1	0.047
3482329	Drill Core	2.57	363	<0.1	4.340	0.5	3.9	0.030	1.2	1.7	<0.005	<0.1	0.1	19	<1	0.2	82	<0.1	0.9	3.9	0.019
3482330	Drill Core	1.53	217	0.3	5.038	1.1	9.6	0.046	1.4	3.0	<0.005	<0.1	0.1	9	<1	<0.1	92	0.1	<0.5	5.3	0.041
3482331	Drill Core	1.41	194	0.2	4.908	1.0	7.4	0.032	1.8	2.5	0.005	<0.1	0.1	9	<1	<0.1	92	0.1	<0.5	4.9	0.035
3482332	Drill Core	0.83	110	0.4	5.120	1.3	11.7	0.044	1.2	2.6	<0.005	<0.1	0.1	6	<1	0.1	90	0.2	<0.5	6.6	0.048
3482333	Drill Core	1.27	148	0.3	5.193	0.6	9.7	0.035	1.1	2.6	<0.005	<0.1	0.1	8	<1	0.1	93	<0.1	<0.5	3.7	0.030
3482334	Drill Core	1.54	211	0.3	4.952	0.8	13.4	0.036	1.0	2.1	<0.005	<0.1	0.2	10	<1	<0.1	81	<0.1	<0.5	5.5	0.029
3482335	Drill Core	1.64	215	0.3	5.000	0.8	8.9	0.030	1.1	3.6	<0.005	<0.1	0.2	12	<1	<0.1	89	<0.1	<0.5	4.5	0.031
3482336	Drill Core	1.67	226	0.2	5.049	0.7	5.4	0.030	1.1	2.7	0.005	<0.1	0.2	12	<1	<0.1	99	<0.1	<0.5	4.1	0.029
3482337	Drill Core	0.89	105	0.4	4.918	0.5	8.4	0.025	1.2	3.2	<0.005	<0.1	0.1	6	<1	<0.1	99	<0.1	<0.5	3.0	0.023
3482338	Drill Core	1.20	185	0.4	5.050	0.6	7.1	0.032	1.3	3.0	<0.005	<0.1	0.1	6	<1	0.1	93	<0.1	<0.5	3.6	0.023
3482339	Drill Core	2.01	273	0.7	5.028	0.8	10.3	0.035	1.1	3.6	<0.005	<0.1	0.1	14	<1	<0.1	113	<0.1	0.7	4.3	0.027
3482340	Rock Pulp	3.89	1218	2.9	1.869	3.3	122.2	0.044	16.8	14.4	<0.005	0.4	0.5	32	<1	0.5	109	0.2	1.4	1.1	0.573
3482341	Drill Core	1.19	95	0.3	4.800	0.7	21.6	0.033	2.0	5.8	<0.005	<0.1	0.2	6	<1	0.1	144	<0.1	<0.5	4.9	0.031
3482342	Drill Core	1.13	92	0.2	4.762	0.6	22.2	0.029	1.8	5.1	<0.005	0.1	0.2	6	<1	<0.1	123	<0.1	<0.5	5.1	0.030

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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3482313	Drill Core	<0.5	1.1	66	0.7	6.3	4	92.2
3482314	Drill Core	<0.5	0.9	27	0.6	6.5	2	60.5
3482315	Drill Core	<0.5	1.6	58	0.6	9.9	3	86.1
3482316	Drill Core	<0.5	1.3	52	0.6	11.0	2	76.8
3482317	Drill Core	<0.5	1.0	44	0.5	9.7	3	55.9
3482318	Drill Core	<0.5	1.0	52	0.6	10.3	3	45.9
3482319	Drill Core	<0.5	0.8	40	0.7	7.1	3	57.6
3482320	Rock Pulp	<0.5	0.9	160	1.3	18.7	108	119.3
3482321	Drill Core	<0.5	1.8	40	0.5	10.7	2	46.9
3482322	Drill Core	<0.5	1.0	35	0.6	10.4	2	43.0
3482323	Drill Core	<0.5	0.8	20	0.3	4.9	2	36.6
3482324	Drill Core	<0.5	1.0	16	0.4	10.3	1	42.8
3482325	Rock	0.6	<0.1	<1	<0.1	1.7	9	20.7
3482326	Drill Core	<0.5	1.7	22	0.6	7.7	1	81.4
3482327	Drill Core	<0.5	1.4	23	0.9	8.8	2	66.7
3482328	Drill Core	<0.5	5.0	36	1.4	10.7	1	70.4
3482329	Drill Core	<0.5	3.0	25	1.1	10.4	3	48.4
3482330	Drill Core	<0.5	3.0	31	0.7	9.6	1	66.8
3482331	Drill Core	<0.5	2.2	27	1.2	8.5	3	76.4
3482332	Drill Core	<0.5	3.0	28	0.8	5.9	3	89.3
3482333	Drill Core	<0.5	1.0	29	0.6	5.8	1	58.0
3482334	Drill Core	<0.5	2.3	26	1.3	7.1	1	76.4
3482335	Drill Core	<0.5	1.7	29	1.4	6.9	2	58.5
3482336	Drill Core	<0.5	2.0	30	1.3	8.7	<1	59.0
3482337	Drill Core	<0.5	0.7	20	0.4	4.9	2	52.1
3482338	Drill Core	<0.5	2.0	21	0.8	7.0	4	52.0
3482339	Drill Core	<0.5	1.6	27	0.9	8.7	1	60.2
3482340	Rock Pulp	<0.5	0.3	265	5.3	18.6	86	58.4
3482341	Drill Core	<0.5	1.5	33	0.3	5.7	2	54.7
3482342	Drill Core	<0.5	1.4	30	0.3	4.9	2	58.0

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	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3482343	Drill Core	3.06	0.007	<0.1	6.29	14	50	<1	<0.1	2.44	<0.1	23	6.6	38	7.6	0.80	2.0	<0.05	0.21	10.6	3.7
3482344	Drill Core	3.95	<0.005	<0.1	6.32	7	54	1	<0.1	1.78	<0.1	22	2.8	24	4.9	0.61	1.8	<0.05	0.20	10.4	1.9
3482345	Drill Core	3.85	<0.005	<0.1	6.39	6	119	2	<0.1	2.73	<0.1	40	2.1	37	3.1	0.92	2.2	<0.05	0.52	19.2	3.5
3482346	Drill Core	3.67	<0.005	<0.1	7.48	10	99	2	<0.1	3.74	<0.1	63	2.2	38	6.4	1.01	2.4	<0.05	0.48	28.1	2.1
3482347	Drill Core	4.17	<0.005	<0.1	5.67	2	50	1	<0.1	5.06	<0.1	35	1.4	25	3.2	1.02	1.2	<0.05	0.24	17.8	0.9
3482348	Drill Core	3.22	0.017	<0.1	6.32	9	109	2	<0.1	4.80	<0.1	58	5.0	53	3.2	0.99	3.7	<0.05	0.38	29.3	2.0
3482349	Drill Core	3.67	0.031	<0.1	5.85	10	34	2	<0.1	4.54	<0.1	35	5.8	29	5.9	1.00	1.7	<0.05	0.14	17.0	1.0
3482350	Rock	0.20	<0.005	<0.1	7.41	<1	35	<1	<0.1	0.20	<0.1	1	<0.2	<1	2.5	0.34	0.3	<0.05	3.68	0.6	25.3
3482351	Drill Core	3.92	0.007	<0.1	5.92	5	29	<1	<0.1	2.89	<0.1	28	3.0	21	8.5	0.67	1.4	<0.05	0.11	13.9	0.8
3482352	Drill Core	3.78	0.030	<0.1	6.21	23	42	1	<0.1	2.95	<0.1	25	11.7	34	14.6	0.84	2.0	<0.05	0.15	11.3	1.9
3482353	Drill Core	4.25	0.009	<0.1	6.39	7	41	1	<0.1	2.61	<0.1	34	3.7	38	5.9	0.82	2.2	<0.05	0.17	15.0	3.4
3482354	Drill Core	3.06	0.007	<0.1	6.14	3	33	1	<0.1	3.37	<0.1	18	2.5	26	4.8	0.85	1.5	<0.05	0.15	8.3	3.0
3482355	Drill Core	4.68	<0.005	<0.1	6.23	3	29	2	<0.1	4.85	<0.1	33	2.6	43	6.5	1.03	2.8	<0.05	0.14	14.9	1.5
3482356	Drill Core	4.93	<0.005	<0.1	6.29	15	36	1	<0.1	2.28	<0.1	34	10.0	21	10.8	0.76	1.4	<0.05	0.15	17.4	2.7
3482357	Drill Core	4.71	0.006	<0.1	6.80	7	35	2	<0.1	2.39	<0.1	26	4.2	36	6.0	0.81	2.0	<0.05	0.18	12.1	3.6
3482358	Drill Core	4.20	<0.005	<0.1	6.68	14	59	2	<0.1	1.33	<0.1	48	5.4	37	5.7	0.63	2.1	<0.05	0.27	22.6	3.1
3482359	Drill Core	4.33	0.009	<0.1	6.15	19	33	2	<0.1	2.35	<0.1	40	5.1	23	4.5	0.69	1.3	<0.05	0.17	20.1	1.8
3482360	Rock Pulp	0.07	1.533	0.2	7.10	773	324	1	<0.1	5.86	<0.1	34	41.2	207	79.4	8.38	2.9	0.06	0.66	17.6	8.9
3482361	Drill Core	3.58	<0.005	<0.1	6.58	9	28	2	<0.1	1.71	<0.1	46	2.8	52	5.3	0.52	4.0	<0.05	0.14	23.7	0.5
3482362	Drill Core	4.40	<0.005	<0.1	5.39	3	26	1	<0.1	4.76	<0.1	83	1.1	40	5.4	0.95	1.7	<0.05	0.17	43.2	1.0
3482363	Drill Core	3.24	<0.005	<0.1	6.51	4	30	1	<0.1	2.18	<0.1	29	1.6	23	5.9	0.56	1.3	<0.05	0.22	13.7	1.0
3482364	Drill Core	3.07	<0.005	<0.1	6.53	9	65	2	<0.1	1.59	<0.1	17	3.2	22	7.3	0.65	1.2	<0.05	0.38	8.4	3.3
3482365	Drill Core	4.86	<0.005	<0.1	6.84	10	78	2	<0.1	1.44	<0.1	22	4.5	29	5.2	0.62	1.8	<0.05	0.37	10.4	3.6
3482366	Drill Core	4.70	<0.005	<0.1	6.44	15	45	1	<0.1	1.49	<0.1	20	8.7	20	17.3	0.77	1.0	<0.05	0.24	10.0	4.2
3482367	Drill Core	5.41	0.007	<0.1	6.42	7	42	1	<0.1	1.19	<0.1	39	4.7	30	9.5	0.69	1.5	<0.05	0.22	20.2	4.6
3482368	Drill Core	5.53	0.035	<0.1	5.97	6	48	2	<0.1	0.78	<0.1	19	5.5	20	7.7	0.56	1.3	<0.05	0.22	8.9	3.6
3482369	Drill Core	3.48	0.084	<0.1	6.32	58	52	2	0.6	1.57	<0.1	41	28.3	23	30.0	1.23	1.4	<0.05	0.20	20.7	3.2
3482370	Drill Core	3.01	<0.005	<0.1	5.41	12	50	2	<0.1	0.61	<0.1	13	2.8	21	27.1	0.63	1.4	<0.05	0.24	6.0	3.4
3482371	Drill Core	4.26	0.042	<0.1	6.25	13	28	<1	<0.1	1.52	<0.1	46	6.9	22	11.6	0.58	1.3	<0.05	0.14	24.2	1.3
3482372	Drill Core	4.58	<0.005	<0.1	6.25	9	34	1	<0.1	2.16	<0.1	44	3.2	27	4.7	0.58	1.9	<0.05	0.14	22.8	0.9

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: November 16, 2019

CERTIFICATE OF ANALYSIS TIM19002338.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3482343	Drill Core	1.46	167	0.2	4.807	0.6	16.4	0.033	1.5	4.7	<0.005	<0.1	0.2	11	<1	<0.1	121	<0.1	<0.5	5.4	0.047
3482344	Drill Core	1.08	127	<0.1	4.929	0.7	8.9	0.029	1.4	5.5	<0.005	<0.1	0.1	6	<1	<0.1	120	<0.1	<0.5	4.4	0.031
3482345	Drill Core	1.53	215	0.4	4.516	0.8	9.6	0.027	1.0	15.8	<0.005	<0.1	<0.1	11	<1	0.2	112	0.1	<0.5	3.3	0.037
3482346	Drill Core	1.74	295	0.4	6.098	1.3	9.4	0.045	1.3	10.5	<0.005	<0.1	0.2	13	<1	0.2	121	0.1	<0.5	5.5	0.047
3482347	Drill Core	2.47	392	<0.1	4.223	0.4	3.7	0.050	1.1	6.3	<0.005	<0.1	0.1	17	<1	<0.1	117	<0.1	0.6	3.7	0.016
3482348	Drill Core	2.37	303	0.4	4.779	1.9	7.1	0.067	1.5	15.0	<0.005	<0.1	0.2	19	<1	0.3	114	0.2	0.9	14.0	0.059
3482349	Drill Core	2.23	315	0.3	4.596	0.7	9.6	0.042	1.2	4.7	<0.005	<0.1	0.2	19	<1	0.1	99	<0.1	1.0	4.9	0.032
3482350	Rock	0.03	49	0.3	6.826	<0.1	0.6	0.001	4.2	45.6	<0.005	<0.1	0.1	<1	<1	0.2	43	<0.1	<0.5	0.3	0.002
3482351	Drill Core	1.42	196	0.1	4.799	0.6	6.0	0.029	1.2	2.3	<0.005	<0.1	0.1	8	<1	0.2	85	<0.1	<0.5	3.9	0.026
3482352	Drill Core	1.50	215	0.3	5.008	1.1	21.0	0.063	1.5	2.3	<0.005	<0.1	0.3	11	<1	0.3	84	0.1	<0.5	5.2	0.044
3482353	Drill Core	1.57	182	0.3	5.100	1.4	14.7	0.040	1.2	4.2	<0.005	<0.1	0.1	13	<1	0.2	99	0.1	<0.5	7.2	0.049
3482354	Drill Core	1.94	213	0.2	5.059	0.5	10.3	0.021	1.0	3.7	<0.005	<0.1	<0.1	12	<1	<0.1	95	<0.1	<0.5	3.8	0.023
3482355	Drill Core	2.44	310	0.2	5.017	0.8	7.3	0.035	0.9	3.4	<0.005	<0.1	0.2	14	<1	0.3	85	0.1	0.9	7.2	0.031
3482356	Drill Core	1.32	203	0.2	4.753	0.7	10.7	0.025	1.1	4.1	<0.005	<0.1	0.2	6	<1	0.1	91	<0.1	<0.5	4.0	0.031
3482357	Drill Core	1.60	161	0.2	5.605	1.2	12.1	0.057	1.0	6.3	0.005	<0.1	0.2	7	<1	0.4	92	0.1	0.6	5.6	0.042
3482358	Drill Core	0.96	103	0.2	5.463	1.2	15.2	0.042	1.4	8.7	<0.005	<0.1	0.2	5	<1	0.3	104	0.1	<0.5	6.1	0.041
3482359	Drill Core	1.15	165	0.1	4.970	0.7	13.0	0.047	1.0	4.1	<0.005	<0.1	0.2	4	<1	0.2	76	<0.1	0.6	4.3	0.024
3482360	Rock Pulp	3.89	1941	2.5	2.051	19.0	135.7	0.183	4.8	20.1	0.008	0.8	2.0	18	<1	1.6	377	1.1	0.7	3.1	0.939
3482361	Drill Core	0.83	138	0.2	5.534	1.5	6.8	0.039	1.5	3.4	0.005	<0.1	0.2	4	<1	0.3	79	0.2	<0.5	10.3	0.047
3482362	Drill Core	2.40	335	<0.1	4.427	0.8	4.6	0.032	1.3	4.0	0.007	<0.1	0.1	12	<1	0.2	89	<0.1	2.0	6.4	0.024
3482363	Drill Core	1.10	170	0.1	5.480	0.7	4.6	0.029	1.3	4.5	0.006	<0.1	<0.1	5	<1	0.4	92	<0.1	<0.5	3.9	0.024
3482364	Drill Core	1.03	117	0.2	4.940	0.6	11.7	0.034	1.5	12.8	<0.005	<0.1	0.2	5	<1	0.3	118	<0.1	<0.5	3.5	0.025
3482365	Drill Core	1.01	99	0.1	5.539	1.1	11.6	0.035	1.6	14.8	<0.005	<0.1	0.2	5	<1	0.4	129	0.1	<0.5	5.0	0.042
3482366	Drill Core	1.27	113	0.3	5.222	0.5	21.3	0.021	1.6	7.6	<0.005	<0.1	0.2	5	<1	0.2	118	<0.1	<0.5	2.6	0.021
3482367	Drill Core	1.13	88	0.4	5.478	0.8	15.5	0.035	1.5	4.9	<0.005	<0.1	0.1	5	<1	0.2	108	<0.1	<0.5	4.1	0.033
3482368	Drill Core	0.83	58	0.2	5.059	0.6	14.1	0.029	1.7	3.8	<0.005	<0.1	0.1	3	<1	0.1	103	<0.1	<0.5	3.2	0.024
3482369	Drill Core	1.02	106	0.3	5.115	0.5	72.3	0.064	3.6	6.5	<0.005	0.7	0.5	4	2	0.2	113	<0.1	3.6	3.7	0.019
3482370	Drill Core	0.74	45	0.2	4.910	0.5	19.6	0.028	1.7	2.6	<0.005	<0.1	0.2	3	<1	0.2	91	<0.1	<0.5	2.1	0.022
3482371	Drill Core	0.80	123	0.2	5.336	0.7	13.0	0.036	1.8	3.5	<0.005	<0.1	0.2	3	<1	0.2	84	<0.1	0.6	5.1	0.023
3482372	Drill Core	1.10	158	0.2	5.170	0.8	6.8	0.034	1.5	3.7	<0.005	<0.1	0.1	5	<1	0.2	90	<0.1	<0.5	5.5	0.026

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: November 16, 2019

CERTIFICATE OF ANALYSIS TIM19002338.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3482343	Drill Core	<0.5	1.4	31	0.4	5.5	2	68.7
3482344	Drill Core	<0.5	1.5	25	0.7	4.9	2	63.9
3482345	Drill Core	<0.5	1.7	42	0.9	6.0	2	77.0
3482346	Drill Core	<0.5	2.1	36	1.8	10.1	2	85.4
3482347	Drill Core	<0.5	1.8	24	1.0	7.6	1	45.5
3482348	Drill Core	<0.5	5.2	67	1.4	10.4	2	139.4
3482349	Drill Core	<0.5	2.2	31	1.2	7.9	5	59.3
3482350	Rock	0.6	<0.1	<1	<0.1	1.4	7	19.1
3482351	Drill Core	<0.5	2.5	18	2.1	5.9	<1	47.7
3482352	Drill Core	<0.5	2.9	31	1.8	7.8	2	70.5
3482353	Drill Core	<0.5	2.1	36	0.6	7.9	2	78.8
3482354	Drill Core	<0.5	1.1	34	0.7	7.8	1	51.9
3482355	Drill Core	<0.5	2.7	45	1.1	10.6	1	95.1
3482356	Drill Core	<0.5	1.7	27	1.4	7.6	2	50.6
3482357	Drill Core	<0.5	2.0	35	1.4	6.5	3	73.8
3482358	Drill Core	<0.5	2.2	34	0.7	5.3	3	79.9
3482359	Drill Core	<0.5	1.2	30	0.8	6.5	2	44.9
3482360	Rock Pulp	<0.5	0.9	158	1.4	19.1	104	117.5
3482361	Drill Core	<0.5	7.2	31	1.8	7.3	2	143.2
3482362	Drill Core	<0.5	3.0	30	0.8	9.2	2	65.6
3482363	Drill Core	<0.5	1.5	22	1.0	5.4	2	52.0
3482364	Drill Core	<0.5	1.3	28	0.7	4.2	2	45.1
3482365	Drill Core	<0.5	2.0	41	0.9	4.8	2	64.9
3482366	Drill Core	<0.5	0.8	25	0.4	4.2	2	36.8
3482367	Drill Core	<0.5	1.5	28	0.6	5.0	2	58.1
3482368	Drill Core	<0.5	0.9	25	0.3	3.1	3	47.6
3482369	Drill Core	<0.5	2.0	22	0.6	5.7	2	45.0
3482370	Drill Core	<0.5	0.5	29	0.3	2.3	2	51.6
3482371	Drill Core	<0.5	2.8	23	0.9	4.5	2	54.9
3482372	Drill Core	<0.5	2.6	24	1.0	5.0	1	67.2

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CERTIFICATE OF ANALYSIS TIM19002338.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3482373	Drill Core	4.79	<0.005	<0.1	6.36	6	43	2	<0.1	1.60	<0.1	72	1.9	26	4.9	0.55	1.6	<0.05	0.17	36.7	1.4
3482374	Drill Core	4.70	<0.005	<0.1	6.13	4	30	1	<0.1	1.00	<0.1	28	2.7	23	5.3	0.63	1.9	<0.05	0.16	13.4	2.7
3482375	Rock	0.21	<0.005	<0.1	7.40	1	26	<1	<0.1	0.18	<0.1	<1	<0.2	<1	2.1	0.32	0.7	<0.05	3.51	0.4	20.6
3482376	Drill Core	5.21	<0.005	<0.1	6.50	3	26	2	<0.1	4.43	<0.1	57	2.4	31	6.7	1.03	1.6	<0.05	0.14	28.5	1.2
3482377	Drill Core	4.63	<0.005	<0.1	5.79	4	23	1	<0.1	0.90	<0.1	24	1.4	23	5.7	0.45	1.6	<0.05	0.10	11.6	1.3
3482378	Drill Core	5.09	<0.005	<0.1	6.13	2	21	1	<0.1	1.21	<0.1	18	1.1	17	3.6	0.48	1.5	<0.05	0.12	7.9	0.4
3482379	Drill Core	4.45	<0.005	<0.1	6.70	3	18	1	<0.1	2.31	<0.1	68	1.1	23	6.4	0.67	1.8	<0.05	0.11	32.5	0.5
3482380	Rock Pulp	0.07	0.528	0.2	7.12	4	145	<1	<0.1	7.01	<0.1	10	44.6	171	149.5	8.03	1.4	0.09	0.19	3.7	13.0
3482381	Drill Core	4.57	0.013	<0.1	6.97	7	22	<1	<0.1	2.24	<0.1	54	4.7	18	30.3	0.71	1.6	<0.05	0.12	25.7	0.5
3482382	Drill Core	4.86	0.017	<0.1	6.96	21	36	2	<0.1	2.05	<0.1	59	7.2	27	335.0	0.86	1.7	<0.05	0.20	28.8	1.5
3482383	Drill Core	3.54	0.028	<0.1	6.24	65	32	1	<0.1	2.17	<0.1	50	14.3	26	31.0	0.85	1.6	<0.05	0.20	26.3	1.4
3482384	Drill Core	3.90	0.041	<0.1	6.56	64	28	1	0.2	1.98	<0.1	74	36.9	37	12.9	1.58	1.9	<0.05	0.15	37.8	1.2
3482385	Drill Core	3.85	0.024	<0.1	6.67	9	27	<1	<0.1	3.84	<0.1	72	9.8	29	10.4	1.13	1.8	<0.05	0.20	36.7	1.4
3482386	Drill Core	3.56	<0.005	<0.1	6.39	4	22	1	<0.1	3.23	<0.1	81	2.5	23	2.5	0.97	1.3	<0.05	0.14	42.6	0.8
3482387	Drill Core	3.54	0.005	<0.1	6.78	7	23	<1	<0.1	4.12	<0.1	75	3.7	29	4.8	1.14	1.5	<0.05	0.16	39.8	1.3
3482388	Drill Core	4.72	<0.005	<0.1	7.00	4	20	1	<0.1	3.17	<0.1	59	2.6	22	4.6	0.92	1.9	<0.05	0.15	30.4	0.7
3482389	Drill Core	4.65	<0.005	<0.1	6.92	4	25	1	<0.1	3.56	<0.1	50	5.0	25	7.0	1.09	1.6	<0.05	0.14	24.9	1.4
3482390	Drill Core	4.40	<0.005	<0.1	6.57	5	31	2	<0.1	3.64	<0.1	52	2.9	21	7.2	1.13	1.5	<0.05	0.16	25.8	1.4
3482391	Drill Core	4.21	<0.005	<0.1	6.80	5	40	1	<0.1	2.41	<0.1	43	2.8	17	4.2	0.82	1.4	<0.05	0.18	20.7	2.1
3482392	Drill Core	4.31	<0.005	<0.1	7.00	4	26	1	<0.1	4.21	<0.1	68	1.6	19	5.5	1.23	1.3	<0.05	0.13	35.7	1.1
3482393	Drill Core	3.93	<0.005	<0.1	6.37	7	34	1	<0.1	0.83	<0.1	44	3.2	21	2.7	0.70	1.8	<0.05	0.16	21.2	4.8
3482394	Drill Core	3.23	<0.005	<0.1	6.21	4	21	<1	<0.1	0.92	<0.1	31	4.0	11	2.8	0.43	1.7	<0.05	0.10	15.0	0.3
3482395	Drill Core	5.37	<0.005	<0.1	6.63	3	23	1	<0.1	3.72	<0.1	39	1.2	17	3.5	1.06	1.6	<0.05	0.11	19.2	0.5
3482396	Drill Core	5.79	0.009	<0.1	7.65	9	74	2	<0.1	0.98	<0.1	59	25.0	91	45.6	2.57	3.2	<0.05	0.25	31.6	17.2
3482397	Drill Core	5.30	0.006	<0.1	6.16	9	60	<1	<0.1	1.36	<0.1	41	14.7	53	40.6	1.88	3.0	<0.05	0.25	21.8	9.1
3482398	Rock	0.20	<0.005	<0.1	9.97	1	47	<1	<0.1	0.24	<0.1	2	<0.2	<1	2.2	0.41	0.4	<0.05	3.95	1.2	22.1
3482399	Drill Core	5.35	<0.005	<0.1	6.50	6	31	1	<0.1	4.46	<0.1	64	3.7	23	3.4	1.39	1.5	<0.05	0.17	33.4	1.3
3482400	Rock Pulp	0.07	5.169	0.9	6.36	26	225	<1	0.3	5.28	0.2	12	41.2	268	139.3	6.85	1.6	0.06	0.46	5.8	18.0
3482401	Drill Core	5.52	<0.005	<0.1	6.41	7	21	1	<0.1	3.42	<0.1	37	4.6	23	3.3	1.15	2.0	<0.05	0.11	18.6	0.7
3482402	Drill Core	5.47	<0.005	<0.1	6.34	5	33	<1	<0.1	3.48	<0.1	57	2.5	16	3.4	1.10	1.2	<0.05	0.15	28.6	1.4

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: November 16, 2019

CERTIFICATE OF ANALYSIS TIM19002338.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3482373	Drill Core	0.86	128	0.6	5.371	0.7	6.1	0.042	4.0	4.6	<0.005	<0.1	0.2	5	<1	2.0	97	<0.1	<0.5	4.7	0.025
3482374	Drill Core	0.81	90	0.2	5.420	1.0	9.7	0.034	1.9	2.0	<0.005	<0.1	0.1	3	<1	0.6	77	0.1	<0.5	3.8	0.042
3482375	Rock	0.02	36	0.3	6.602	0.1	0.4	0.001	3.6	40.4	<0.005	<0.1	0.1	<1	<1	0.2	33	<0.1	<0.5	0.2	0.002
3482376	Drill Core	2.20	323	0.1	5.345	1.0	5.4	0.033	1.0	3.1	<0.005	<0.1	0.1	8	<1	0.2	86	<0.1	<0.5	4.6	0.034
3482377	Drill Core	0.48	80	0.2	5.877	1.0	4.9	0.043	0.8	0.4	<0.005	<0.1	<0.1	2	<1	0.2	57	0.1	<0.5	3.2	0.036
3482378	Drill Core	0.56	109	0.2	5.541	0.8	2.7	0.035	0.9	1.3	<0.005	<0.1	0.1	2	<1	0.2	64	<0.1	<0.5	3.5	0.025
3482379	Drill Core	1.07	171	0.2	6.008	0.9	3.9	0.055	1.0	1.7	<0.005	<0.1	0.1	3	<1	0.2	68	<0.1	<0.5	5.1	0.033
3482380	Rock Pulp	4.18	1462	0.6	2.211	3.5	97.6	0.040	2.9	3.6	<0.005	0.1	0.4	41	<1	0.7	110	0.2	1.9	0.4	0.657
3482381	Drill Core	0.99	196	0.4	5.922	0.9	12.9	0.099	1.7	2.1	<0.005	<0.1	0.3	3	<1	0.3	79	<0.1	0.5	4.9	0.034
3482382	Drill Core	1.03	148	0.2	5.801	1.0	34.9	0.056	1.7	4.5	<0.005	<0.1	0.6	5	<1	0.3	106	0.1	<0.5	5.4	0.034
3482383	Drill Core	0.99	147	0.2	5.231	1.0	116.7	0.154	2.3	3.4	<0.005	0.3	1.6	5	1	0.2	94	<0.1	<0.5	6.1	0.033
3482384	Drill Core	0.99	133	0.2	5.278	1.0	71.1	0.134	2.2	2.7	<0.005	1.2	0.6	5	2	0.2	85	<0.1	<0.5	6.1	0.033
3482385	Drill Core	1.79	337	0.7	5.571	1.3	15.2	0.048	1.3	4.8	<0.005	0.1	0.2	7	<1	0.3	98	0.1	1.1	4.3	0.045
3482386	Drill Core	1.56	339	0.8	6.006	1.2	6.3	0.047	1.0	1.7	<0.005	<0.1	0.2	4	<1	0.2	74	0.1	<0.5	3.9	0.044
3482387	Drill Core	1.84	380	0.7	5.764	1.6	10.0	0.042	1.3	2.8	<0.005	<0.1	0.2	5	<1	0.5	92	0.1	<0.5	4.1	0.049
3482388	Drill Core	1.52	316	0.8	6.460	1.0	6.8	0.064	1.0	1.6	<0.005	<0.1	0.2	4	<1	0.3	71	0.1	<0.5	3.9	0.042
3482389	Drill Core	1.68	304	1.0	5.745	1.2	9.6	0.048	1.0	2.6	<0.005	<0.1	0.1	5	<1	0.2	79	0.1	0.9	4.0	0.041
3482390	Drill Core	1.65	362	0.7	5.479	1.1	8.1	0.046	1.2	3.0	<0.005	<0.1	0.2	5	<1	0.3	88	0.1	0.6	3.9	0.038
3482391	Drill Core	1.21	205	0.3	5.546	0.6	8.3	0.037	1.2	4.5	<0.005	<0.1	0.1	4	<1	0.2	91	<0.1	<0.5	3.2	0.024
3482392	Drill Core	1.99	421	0.8	5.562	1.3	8.9	0.044	1.3	3.6	<0.005	<0.1	0.3	6	<1	0.2	93	0.1	0.6	4.4	0.034
3482393	Drill Core	0.85	93	0.7	5.505	0.9	12.9	0.040	1.4	1.5	<0.005	<0.1	0.2	4	1	0.3	95	<0.1	<0.5	4.0	0.035
3482394	Drill Core	0.39	98	0.2	5.652	0.7	3.8	0.054	1.1	0.7	<0.005	<0.1	0.2	1	<1	0.1	56	<0.1	<0.5	3.8	0.026
3482395	Drill Core	1.73	340	0.7	5.582	0.8	5.7	0.051	1.2	1.6	<0.005	<0.1	0.2	5	<1	0.1	80	<0.1	<0.5	3.4	0.028
3482396	Drill Core	2.77	82	1.5	4.925	1.8	72.9	0.059	2.6	5.4	<0.005	0.2	0.3	16	<1	0.7	92	0.2	<0.5	9.6	0.091
3482397	Drill Core	1.70	105	0.4	4.181	0.9	28.9	0.047	1.9	8.4	<0.005	0.2	0.2	7	<1	0.3	128	0.1	<0.5	6.6	0.042
3482398	Rock	0.03	57	0.4	7.169	0.2	0.4	0.001	5.0	54.7	<0.005	<0.1	0.1	<1	<1	0.1	60	<0.1	<0.5	0.3	0.002
3482399	Drill Core	2.21	422	0.7	5.068	0.9	10.0	0.042	1.3	4.7	<0.005	<0.1	0.2	6	<1	0.2	102	0.1	0.7	4.0	0.033
3482400	Rock Pulp	3.89	1246	3.2	1.829	3.2	123.2	0.042	17.7	15.1	<0.005	0.4	0.4	34	<1	0.7	115	0.2	1.3	1.0	0.567
3482401	Drill Core	1.56	369	0.4	5.432	0.7	8.6	0.052	1.4	1.7	<0.005	<0.1	0.4	4	<1	0.2	82	<0.1	0.5	4.3	0.025
3482402	Drill Core	1.71	364	0.6	5.214	0.6	11.5	0.041	1.3	3.4	<0.005	<0.1	0.2	5	<1	0.1	110	<0.1	0.6	2.8	0.023

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: November 16, 2019

CERTIFICATE OF ANALYSIS TIM19002338.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3482373	Drill Core	<0.5	2.0	26	0.5	5.3	3	61.3
3482374	Drill Core	<0.5	1.4	27	1.0	3.8	3	67.2
3482375	Rock	0.5	<0.1	<1	0.1	1.6	6	31.9
3482376	Drill Core	<0.5	1.3	34	1.5	6.6	3	56.9
3482377	Drill Core	<0.5	0.8	22	1.1	3.0	3	57.3
3482378	Drill Core	<0.5	0.8	19	0.8	3.3	<1	55.7
3482379	Drill Core	<0.5	1.4	22	1.1	5.0	2	68.4
3482380	Rock Pulp	<0.5	<0.1	324	1.1	19.8	80	44.1
3482381	Drill Core	<0.5	1.2	21	1.2	6.9	3	56.3
3482382	Drill Core	<0.5	1.4	28	1.5	5.1	3	68.9
3482383	Drill Core	<0.5	2.5	24	2.3	9.2	1	61.6
3482384	Drill Core	<0.5	2.5	27	2.1	8.7	2	70.7
3482385	Drill Core	<0.5	1.4	32	2.1	11.0	3	62.9
3482386	Drill Core	<0.5	1.4	25	1.5	7.8	1	49.4
3482387	Drill Core	<0.5	2.0	31	1.8	10.1	4	54.4
3482388	Drill Core	<0.5	1.1	22	2.2	8.3	1	69.7
3482389	Drill Core	<0.5	1.5	26	1.7	7.3	<1	63.8
3482390	Drill Core	<0.5	1.3	25	1.4	6.9	3	55.2
3482391	Drill Core	<0.5	1.0	25	0.7	4.7	1	46.0
3482392	Drill Core	<0.5	1.8	28	1.7	8.6	2	48.0
3482393	Drill Core	<0.5	1.6	30	0.4	4.5	2	62.4
3482394	Drill Core	<0.5	1.5	13	0.9	4.0	1	60.7
3482395	Drill Core	<0.5	0.9	24	1.3	6.6	<1	52.5
3482396	Drill Core	<0.5	3.0	112	0.5	10.9	6	104.9
3482397	Drill Core	<0.5	2.7	40	0.2	6.1	3	101.4
3482398	Rock	0.6	0.2	<1	<0.1	2.7	8	20.2
3482399	Drill Core	<0.5	1.3	30	1.0	9.0	1	52.5
3482400	Rock Pulp	<0.5	0.3	268	5.6	19.8	85	50.5
3482401	Drill Core	<0.5	1.5	21	0.9	8.3	1	68.3
3482402	Drill Core	<0.5	1.0	21	0.6	9.4	2	43.1

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Project: SPJ
Report Date: November 16, 2019

CERTIFICATE OF ANALYSIS TIM19002338.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3482403	Drill Core	5.00	<0.005	<0.1	6.69	5	42	1	<0.1	1.22	<0.1	29	2.1	25	5.3	0.65	1.9	<0.05	0.17	13.9	3.0
3482404	Drill Core	5.36	<0.005	<0.1	6.53	6	32	2	<0.1	2.04	<0.1	20	2.3	30	3.9	0.79	1.9	<0.05	0.12	10.6	3.4
3482405	Drill Core	4.92	<0.005	<0.1	5.49	2	27	1	<0.1	2.61	<0.1	28	0.8	10	2.0	0.75	0.8	<0.05	0.09	13.8	1.1
3482406	Drill Core	4.12	<0.005	<0.1	5.71	2	25	<1	<0.1	2.32	<0.1	61	0.6	9	2.6	0.80	0.8	<0.05	0.09	30.3	0.7
3482407	Drill Core	4.02	<0.005	<0.1	6.32	3	35	1	<0.1	1.54	<0.1	49	0.8	13	2.3	0.61	1.2	<0.05	0.13	25.7	1.7
3482408	Drill Core	4.02	<0.005	<0.1	5.96	3	28	2	<0.1	1.69	<0.1	41	0.8	9	2.5	0.65	0.9	<0.05	0.10	19.4	1.3

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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3482403	Drill Core	0.92	132	0.8	5.251	0.9	11.6	0.045	2.5	3.4	<0.005	<0.1	0.2	4	<1	0.2	125	0.1	<0.5	4.5	0.033
3482404	Drill Core	1.37	191	2.0	5.026	0.7	14.7	0.037	1.5	3.5	<0.005	<0.1	0.3	6	1	<0.1	135	<0.1	<0.5	4.4	0.028
3482405	Drill Core	1.26	239	1.8	4.612	0.2	6.7	0.021	1.4	2.2	<0.005	<0.1	0.2	3	<1	<0.1	107	<0.1	<0.5	2.4	0.011
3482406	Drill Core	1.09	259	2.6	4.551	0.2	4.9	0.024	1.3	2.6	<0.005	<0.1	0.2	3	<1	<0.1	93	<0.1	<0.5	2.6	0.011
3482407	Drill Core	0.80	178	1.9	4.981	0.5	4.9	0.029	1.5	4.0	<0.005	<0.1	0.2	3	<1	<0.1	112	<0.1	<0.5	3.3	0.019
3482408	Drill Core	0.85	192	0.6	4.812	0.2	5.5	0.025	1.8	3.0	<0.005	<0.1	0.1	2	<1	<0.1	101	<0.1	<0.5	2.2	0.011

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Client: **MacDonald Mines Exploration Ltd.**
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Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: November 16, 2019

CERTIFICATE OF ANALYSIS TIM19002338.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3482403	Drill Core	<0.5	1.3	29	0.3	5.6	3	67.4
3482404	Drill Core	<0.5	1.7	31	0.4	7.0	3	65.5
3482405	Drill Core	<0.5	0.9	13	0.3	7.6	<1	29.3
3482406	Drill Core	<0.5	0.7	13	0.3	6.8	2	27.8
3482407	Drill Core	<0.5	0.8	15	0.3	5.8	2	39.1
3482408	Drill Core	<0.5	2.1	12	0.2	6.4	1	29.1

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: November 16, 2019

QUALITY CONTROL REPORT TIM19002338.1

Method		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
Unit		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
MDL		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
Pulp Duplicates																					
3482318	Drill Core	3.33	0.006	<0.1	5.90	7	48	2	<0.1	4.22	<0.1	57	5.2	31	5.2	1.33	1.3	<0.05	0.23	29.4	3.0
REP 3482318	QC		0.010																		
3482325	Rock	0.20	<0.005	<0.1	7.80	1	38	<1	<0.1	0.20	<0.1	1	<0.2	<1	3.8	0.37	0.5	<0.05	3.93	0.5	26.9
REP 3482325	QC			<0.1	7.72	1	36	<1	<0.1	0.20	<0.1	2	<0.2	<1	4.2	0.38	0.5	<0.05	3.81	0.7	28.6
3482356	Drill Core	4.93	<0.005	<0.1	6.29	15	36	1	<0.1	2.28	<0.1	34	10.0	21	10.8	0.76	1.4	<0.05	0.15	17.4	2.7
REP 3482356	QC		<0.005																		
3482360	Rock Pulp	0.07	1.533	0.2	7.10	773	324	1	<0.1	5.86	<0.1	34	41.2	207	79.4	8.38	2.9	0.06	0.66	17.6	8.9
REP 3482360	QC			0.2	7.10	721	342	1	<0.1	5.87	0.1	35	43.1	198	79.4	8.46	3.0	0.09	0.67	18.8	8.8
3482393	Drill Core	3.93	<0.005	<0.1	6.37	7	34	1	<0.1	0.83	<0.1	44	3.2	21	2.7	0.70	1.8	<0.05	0.16	21.2	4.8
REP 3482393	QC			<0.1	6.45	6	34	<1	<0.1	0.86	<0.1	41	3.1	24	2.6	0.73	1.8	<0.05	0.17	20.1	4.9
Core Reject Duplicates																					
3482319	Drill Core	3.80	0.005	<0.1	6.57	6	65	1	<0.1	2.60	<0.1	50	3.2	32	6.7	0.92	1.6	<0.05	0.27	25.2	2.4
DUP 3482319	QC		0.005	<0.1	6.28	7	62	1	<0.1	2.61	<0.1	45	3.4	37	6.5	0.92	1.7	<0.05	0.26	22.1	2.2
3482353	Drill Core	4.25	0.009	<0.1	6.39	7	41	1	<0.1	2.61	<0.1	34	3.7	38	5.9	0.82	2.2	<0.05	0.17	15.0	3.4
DUP 3482353	QC		<0.005	<0.1	6.27	6	40	2	<0.1	2.58	<0.1	31	3.5	33	5.6	0.79	2.0	<0.05	0.16	14.9	3.2
3482387	Drill Core	3.54	0.005	<0.1	6.78	7	23	<1	<0.1	4.12	<0.1	75	3.7	29	4.8	1.14	1.5	<0.05	0.16	39.8	1.3
DUP 3482387	QC		0.005	<0.1	6.47	7	22	2	<0.1	4.00	<0.1	66	3.8	30	2.7	1.09	1.4	<0.05	0.15	34.0	1.0
Reference Materials																					
STD OREAS25A-4A	Standard			<0.1	9.35	9	135	<1	0.2	0.30	<0.1	45	8.0	125	32.8	6.61	4.1	0.06	0.47	21.1	38.2
STD OREAS25A-4A	Standard			<0.1	9.04	9	139	1	0.3	0.29	<0.1	46	7.7	112	31.0	6.24	4.0	0.08	0.47	23.1	32.8
STD OREAS25A-4A	Standard			<0.1	8.89	10	145	<1	0.3	0.28	<0.1	42	7.3	117	31.8	6.36	4.3	0.08	0.47	19.4	40.8
STD OREAS25A-4A	Standard			<0.1	9.02	10	145	<1	0.3	0.29	<0.1	43	7.7	121	35.3	6.75	3.7	<0.05	0.47	20.3	38.5
STD OREAS25A-4A	Standard			<0.1	8.64	10	149	<1	0.3	0.26	<0.1	45	8.0	125	37.0	6.64	4.2	0.12	0.51	21.3	35.4
STD OREAS45H	Standard			0.1	8.20	18	317	2	<0.1	0.13	<0.1	24	96.6	797	793.5	20.73	3.6	0.08	0.21	12.3	14.7
STD OREAS45E	Standard			0.3	6.84	16	245	<1	0.3	0.06	<0.1	24	56.4	999	763.5	22.60	2.6	0.14	0.30	11.9	6.6
STD OREAS45E	Standard			0.3	6.96	17	253	<1	0.3	0.06	<0.1	20	56.1	972	781.1	24.65	3.0	0.11	0.35	8.9	7.0
STD OREAS45H	Standard			0.1	8.18	16	320	2	0.1	0.14	<0.1	23	89.8	668	780.3	19.65	3.1	0.09	0.21	12.1	12.4
STD OREAS45E	Standard			0.3	6.86	16	238	<1	0.3	0.06	<0.1	19	54.4	968	778.5	23.46	2.6	0.11	0.35	8.6	6.4

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Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: November 16, 2019

QUALITY CONTROL REPORT TIM19002338.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
Pulp Duplicates																					
3482318	Drill Core	2.80	356	0.5	4.365	1.0	15.3	0.027	1.0	5.9	<0.005	<0.1	0.1	24	1	<0.1	113	<0.1	1.5	3.9	0.036
REP 3482318	QC																				
3482325	Rock	0.03	57	0.4	6.986	0.2	0.7	<0.001	4.6	53.1	<0.005	<0.1	0.2	<1	<1	0.2	47	<0.1	<0.5	0.3	0.002
REP 3482325	QC	0.03	54	0.4	7.043	0.1	0.5	<0.001	4.1	50.9	<0.005	<0.1	0.1	<1	<1	0.2	46	<0.1	<0.5	0.3	0.002
3482356	Drill Core	1.32	203	0.2	4.753	0.7	10.7	0.025	1.1	4.1	<0.005	<0.1	0.2	6	<1	0.1	91	<0.1	<0.5	4.0	0.031
REP 3482356	QC																				
3482360	Rock Pulp	3.89	1941	2.5	2.051	19.0	135.7	0.183	4.8	20.1	0.008	0.8	2.0	18	<1	1.6	377	1.1	0.7	3.1	0.939
REP 3482360	QC	3.89	1980	2.6	2.068	18.7	143.5	0.164	4.7	20.2	<0.005	0.8	2.2	17	<1	1.6	363	1.1	0.8	3.1	0.917
3482393	Drill Core	0.85	93	0.7	5.505	0.9	12.9	0.040	1.4	1.5	<0.005	<0.1	0.2	4	1	0.3	95	<0.1	<0.5	4.0	0.035
REP 3482393	QC	0.87	97	0.6	5.458	0.8	13.2	0.041	1.4	1.2	<0.005	<0.1	0.2	4	<1	0.1	93	<0.1	<0.5	3.4	0.032
Core Reject Duplicates																					
3482319	Drill Core	1.67	172	1.0	5.137	1.1	14.2	0.028	1.4	6.3	<0.005	<0.1	<0.1	12	1	<0.1	110	0.1	0.6	3.4	0.044
DUP 3482319	QC	1.67	172	0.7	4.961	0.9	13.7	0.028	1.4	4.7	<0.005	<0.1	0.1	12	<1	0.1	105	<0.1	0.7	3.1	0.036
3482353	Drill Core	1.57	182	0.3	5.100	1.4	14.7	0.040	1.2	4.2	<0.005	<0.1	0.1	13	<1	0.2	99	0.1	<0.5	7.2	0.049
DUP 3482353	QC	1.55	172	0.3	5.099	1.1	14.0	0.042	1.2	3.6	<0.005	<0.1	0.1	12	<1	0.2	93	0.1	<0.5	6.8	0.045
3482387	Drill Core	1.84	380	0.7	5.764	1.6	10.0	0.042	1.3	2.8	<0.005	<0.1	0.2	5	<1	0.5	92	0.1	<0.5	4.1	0.049
DUP 3482387	QC	1.85	408	0.6	5.873	1.3	9.5	0.040	1.2	2.1	<0.005	<0.1	0.2	5	<1	0.2	87	0.1	<0.5	3.7	0.045
Reference Materials																					
STD OREAS25A-4A	Standard	0.28	481	2.6	0.130	19.8	46.3	0.048	22.6	55.0	<0.005	<0.1	0.5	12	2	3.6	41	1.5	<0.5	13.7	0.951
STD OREAS25A-4A	Standard	0.33	471	2.4	0.129	17.8	44.3	0.047	23.4	58.6	<0.005	<0.1	0.6	12	3	3.7	47	1.3	<0.5	15.4	0.904
STD OREAS25A-4A	Standard	0.36	502	2.3	0.135	19.3	47.1	0.048	24.6	55.9	<0.005	<0.1	0.6	13	3	3.7	47	1.5	<0.5	16.3	0.945
STD OREAS25A-4A	Standard	0.34	489	2.5	0.137	19.5	47.8	0.049	23.7	60.9	<0.005	<0.1	0.6	12	2	3.9	43	1.4	<0.5	14.7	0.978
STD OREAS25A-4A	Standard	0.34	476	2.3	0.122	19.7	46.8	0.052	26.1	56.8	<0.005	<0.1	0.7	11	4	3.9	45	1.5	<0.5	16.0	0.913
STD OREAS45H	Standard	0.23	409	1.4	0.101	14.3	438.8	0.026	12.3	19.9	<0.005	<0.1	0.6	53	2	1.8	25	1.0	<0.5	7.2	0.883
STD OREAS45E	Standard	0.17	566	2.4	0.058	5.8	479.8	0.031	19.4	22.0	<0.005	<0.1	1.1	91	2	1.2	17	0.5	<0.5	13.5	0.512
STD OREAS45E	Standard	0.16	539	2.2	0.066	6.1	457.3	0.033	18.2	19.2	<0.005	<0.1	1.0	94	2	1.2	16	0.5	<0.5	12.8	0.498
STD OREAS45H	Standard	0.26	387	1.4	0.098	13.6	435.8	0.024	11.8	20.9	<0.005	<0.1	0.6	56	<1	1.9	25	0.9	<0.5	7.1	0.885
STD OREAS45E	Standard	0.15	527	2.2	0.051	5.5	458.6	0.034	17.9	19.3	<0.005	<0.1	0.9	82	3	1.4	16	0.5	<0.5	11.8	0.555

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Project: SPJ
Report Date: November 16, 2019

QUALITY CONTROL REPORT TIM19002338.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
Pulp Duplicates								
3482318	Drill Core	<0.5	1.0	52	0.6	10.3	3	45.9
REP 3482318	QC							
3482325	Rock	0.6	<0.1	<1	<0.1	1.7	9	20.7
REP 3482325	QC	0.6	<0.1	<1	<0.1	2.0	8	22.0
3482356	Drill Core	<0.5	1.7	27	1.4	7.6	2	50.6
REP 3482356	QC							
3482360	Rock Pulp	<0.5	0.9	158	1.4	19.1	104	117.5
REP 3482360	QC	<0.5	0.9	160	1.2	20.3	109	117.7
3482393	Drill Core	<0.5	1.6	30	0.4	4.5	2	62.4
REP 3482393	QC	<0.5	1.4	30	0.5	4.3	2	62.6
Core Reject Duplicates								
3482319	Drill Core	<0.5	0.8	40	0.7	7.1	3	57.6
DUP 3482319	QC	<0.5	0.7	40	0.5	6.6	3	54.2
3482353	Drill Core	<0.5	2.1	36	0.6	7.9	2	78.8
DUP 3482353	QC	<0.5	2.0	35	0.6	7.2	1	77.8
3482387	Drill Core	<0.5	2.0	31	1.8	10.1	4	54.4
DUP 3482387	QC	<0.5	1.4	31	1.6	8.7	1	51.4
Reference Materials								
STD OREAS25A-4A	Standard	<0.5	2.5	164	1.9	9.9	45	148.4
STD OREAS25A-4A	Standard	<0.5	2.9	156	1.8	10.3	37	138.0
STD OREAS25A-4A	Standard	<0.5	2.8	157	1.8	9.8	41	154.6
STD OREAS25A-4A	Standard	<0.5	2.7	162	1.8	9.3	42	149.9
STD OREAS25A-4A	Standard	<0.5	3.0	153	1.7	10.0	45	158.1
STD OREAS45H	Standard	<0.5	1.6	269	0.9	9.1	39	121.9
STD OREAS45E	Standard	<0.5	2.7	319	1.0	8.1	43	91.0
STD OREAS45E	Standard	<0.5	2.4	335	1.1	7.2	44	96.0
STD OREAS45H	Standard	<0.5	1.5	270	0.8	9.0	42	121.2
STD OREAS45E	Standard	<0.5	2.4	351	1.1	6.3	43	88.1

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QUALITY CONTROL REPORT TIM19002338.1

		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
STD OXC145	Standard		0.217																		
STD OXC145	Standard		0.220																		
STD OXC145	Standard		0.206																		
STD OXC145	Standard		0.214																		
STD OXH139	Standard		1.304																		
STD OXH139	Standard		1.297																		
STD OXH139	Standard		1.307																		
STD OXH139	Standard		1.302																		
STD OXN134	Standard		7.571																		
STD OXN134	Standard		7.399																		
STD OXN134	Standard		7.431																		
STD OXN134	Standard		7.524																		
STD OXC145 Expected			0.212																		
STD OXN134 Expected			7.667																		
STD OXH139 Expected			1.312																		
STD OREAS45H Expected				0.147	7.99	16.9	332	1.09	0.17	0.135		23.6	88	602	767	19.52	3.6	0.1	0.205	12.4	13.1
STD OREAS25A-4A Expected					8.87	9.94	147	0.93	0.37	0.301		47.3	7.7	115	33.9	6.6	4.14	0.09	0.482	21.8	36.7
STD OREAS45E Expected				0.311	6.78	16.3	252		0.28	0.065	0.06	23.5	57	979	780	24.12	3.11	0.099	0.324	11	6.58
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1

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QUALITY CONTROL REPORT TIM19002338.1

		MA200 Mg % 0.01	MA200 Mn ppm 1	MA200 Mo ppm 0.1	MA200 Na % 0.001	MA200 Nb ppm 0.1	MA200 Ni ppm 0.1	MA200 P % 0.001	MA200 Pb ppm 0.1	MA200 Rb ppm 0.1	MA200 Re ppm 0.005	MA200 S % 0.1	MA200 Sb ppm 0.1	MA200 Sc ppm 1	MA200 Se ppm 1	MA200 Sn ppm 0.1	MA200 Sr ppm 1	MA200 Ta ppm 0.1	MA200 Te ppm 0.5	MA200 Th ppm 0.1	MA200 Ti % 0.001
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXC145 Expected																					
STD OXN134 Expected																					
STD OXH139 Expected																					
STD OREAS45H Expected		0.238	380	1.55	0.09	14.8	423	0.023	11.9	22.5			0.63	57	2.02	1.93	27.1	1.08		7.26	0.878
STD OREAS25A-4A Expected		0.327	480	2.41	0.131	20.9	45.8	0.048	25.2	61		0.047	0.65	13.7	2.4	4.06	48.5	1.4		15.8	0.93
STD OREAS45E Expected		0.156	570	2.4	0.059	6.8	454	0.034	18.2	21.2		0.046	1	93	2.97	1.32	15.9	0.54	0.1	12.9	0.559
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<1	<0.1	0.001	<0.1	<0.1	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.001	<0.1	0.4	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	<0.001	<0.1	<0.1	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001

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BUREAU VERITAS
MINERAL LABORATORIES
Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: November 16, 2019

QUALITY CONTROL REPORT TIM19002338.1

		MA200 Tl ppm 0.5	MA200 U ppm 0.1	MA200 V ppm 1	MA200 W ppm 0.1	MA200 Y ppm 0.1	MA200 Zn ppm 1	MA200 Zr ppm 0.1
STD OXC145	Standard							
STD OXC145	Standard							
STD OXC145	Standard							
STD OXC145	Standard							
STD OXH139	Standard							
STD OXH139	Standard							
STD OXH139	Standard							
STD OXH139	Standard							
STD OXN134	Standard							
STD OXN134	Standard							
STD OXN134	Standard							
STD OXN134	Standard							
STD OXC145 Expected								
STD OXN134 Expected								
STD OXH139 Expected								
STD OREAS45H Expected			1.68	263	0.99	10.4	39.7	131
STD OREAS25A-4A Expected		0.35	2.94	157	2	10.5	44.4	155
STD OREAS45E Expected		0.15	2.41	322	1.07	8.28	46.7	97
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	0.1
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	0.1

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145 Wellington St. West, Suite 1001
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Project: SPJ
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QUALITY CONTROL REPORT TIM19002338.1

		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
Prep Wash																					
ROCK-TIM	Prep Blank		<0.005	<0.1	7.04	1	752	<1	<0.1	1.69	<0.1	25	4.8	4	3.3	2.21	1.7	<0.05	1.65	12.8	3.3
ROCK-TIM	Prep Blank		<0.005	<0.1	6.64	2	800	<1	<0.1	1.59	<0.1	20	4.4	3	3.1	2.10	1.7	<0.05	1.61	9.8	3.5

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Toronto Ontario M5J 1H8 Canada

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		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
		%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
BLK	Blank	<0.01	<1	<0.1	<0.001	<0.1	0.2	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.002	<0.1	0.2	<0.001	<0.1	0.2	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
Prep Wash																					
ROCK-TIM	Prep Blank	0.52	653	1.6	3.527	5.8	1.0	0.041	2.8	30.6	<0.005	<0.1	0.1	6	<1	0.6	201	0.4	<0.5	2.7	0.195
ROCK-TIM	Prep Blank	0.48	633	1.4	3.515	5.7	0.8	0.043	2.7	28.1	<0.005	<0.1	0.2	6	<1	0.6	198	0.4	<0.5	2.2	0.200

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		MA200 Tl ppm 0.5	MA200 U ppm 0.1	MA200 V ppm 1	MA200 W ppm 0.1	MA200 Y ppm 0.1	MA200 Zn ppm 1	MA200 Zr ppm 0.1
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	0.2
Prep Wash								
ROCK-TIM	Prep Blank	<0.5	1.2	35	0.2	15.0	35	54.8
ROCK-TIM	Prep Blank	<0.5	1.0	33	0.2	13.8	34	52.5

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By: Quentin Yarie
Receiving Lab: Canada-Timmins
Received: November 01, 2019
Report Date: November 27, 2019

CERTIFICATE OF ANALYSIS TIM19002454.1

CLIENT JOB INFORMATION

Project: SPJ
Shipment ID:
P.O. Number
Number of Samples: 136

SAMPLE DISPOSAL

RTRN-PLP Return After 90 days
RTRN-RJT Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP85-500	129	Crush split and pulverize 250g of sample to 200mesh			TIM
SHP01	5	Per sample shipping charges for branch shipments			TIM
SLBHP	7	Sort, label and box pulps			TIM
FA450	136	50g Lead Collection Fire Assay Fusion - AAS Finish	50	Completed	TIM
EN002	136	Environmental disposal charge-Fire assay lead waste			TIM
MA200	136	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
EN001-MA	136	Environmental disposal fee - Multi-acid neutralization			VAN

ADDITIONAL COMMENTS

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC:

MAY LAI
Data Validation Specialist

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All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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145 Wellington St. West, Suite 1001
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Project: SPJ
Report Date: November 27, 2019

CERTIFICATE OF ANALYSIS TIM19002454.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3482409	Drill Core	4.25	0.010	<0.1	4.84	6	32	1	<0.1	1.17	<0.1	39	4.9	10	2.8	0.56	1.0	<0.05	0.11	16.4	1.5
3482410	Drill Core	5.28	0.007	<0.1	5.77	3	33	<1	<0.1	1.58	<0.1	21	2.1	12	2.4	0.66	1.2	<0.05	0.13	9.7	1.8
3482411	Drill Core	5.38	<0.005	<0.1	4.40	3	25	2	<0.1	1.08	<0.1	24	1.0	7	1.9	0.49	0.8	<0.05	0.10	10.2	1.2
3482412	Drill Core	5.09	0.024	<0.1	6.31	9	44	2	<0.1	1.67	<0.1	22	8.7	15	2.9	0.82	1.1	<0.05	0.17	10.5	3.4
3482413	Drill Core	4.46	<0.005	<0.1	5.35	7	38	<1	<0.1	1.26	<0.1	21	2.6	18	1.6	0.58	1.4	<0.05	0.15	9.9	2.3
3482414	Drill Core	4.25	<0.005	<0.1	4.82	5	29	1	<0.1	0.60	<0.1	18	1.2	17	1.9	0.44	1.3	<0.05	0.13	7.6	1.9
3482415	Drill Core	4.34	<0.005	<0.1	5.23	5	24	1	<0.1	4.24	<0.1	26	3.3	14	2.0	1.15	0.9	<0.05	0.12	12.0	1.3
3482416	Drill Core	4.69	<0.005	<0.1	6.16	15	35	1	<0.1	1.89	<0.1	28	17.1	16	2.9	0.84	1.1	<0.05	0.17	13.5	2.4
3482417	Drill Core	4.61	0.062	<0.1	6.29	31	38	1	0.1	1.95	<0.1	48	25.1	13	3.9	0.91	1.3	<0.05	0.18	22.1	1.5
3482418	Drill Core	4.05	<0.005	<0.1	6.80	9	46	1	<0.1	1.55	<0.1	25	18.3	14	2.6	0.71	1.3	<0.05	0.21	12.3	2.1
3482419	Drill Core	4.51	<0.005	<0.1	6.60	7	35	<1	<0.1	1.88	<0.1	97	22.5	13	2.3	0.73	1.2	<0.05	0.19	44.6	1.8
3482420	Rock Pulp	0.07	1.563	0.3	7.26	1033	348	<1	0.1	5.86	0.1	37	42.7	184	82.2	8.56	2.9	0.09	0.68	20.2	8.7
3482421	Drill Core	5.18	<0.005	<0.1	6.87	7	46	2	<0.1	1.89	<0.1	41	10.3	20	1.8	0.77	1.6	<0.05	0.23	19.9	1.9
3482422	Drill Core	5.04	0.007	<0.1	5.43	11	40	1	<0.1	0.78	<0.1	58	11.2	21	2.0	0.62	1.8	<0.05	0.20	26.3	1.4
3482423	Drill Core	4.47	0.007	<0.1	5.59	12	51	2	<0.1	1.24	<0.1	59	14.2	54	2.4	0.88	3.0	<0.05	0.21	25.4	2.8
3482424	Drill Core	4.51	<0.005	<0.1	6.62	5	47	2	<0.1	2.26	<0.1	22	5.5	24	1.7	0.84	1.7	<0.05	0.19	9.7	0.8
3482425	Rock	0.21	<0.005	<0.1	7.22	1	22	<1	<0.1	0.18	<0.1	<1	<0.2	1	1.6	0.32	0.5	<0.05	3.74	0.4	22.3
3482426	Drill Core	4.80	0.007	<0.1	6.24	12	33	<1	0.1	1.53	<0.1	40	15.6	14	2.1	0.73	1.5	<0.05	0.14	17.2	1.4
3482427	Drill Core	4.49	<0.005	<0.1	5.17	6	42	1	<0.1	0.71	<0.1	38	4.7	15	1.9	0.61	1.0	<0.05	0.18	16.9	2.9
3482428	Drill Core	5.82	<0.005	<0.1	6.81	8	49	<1	<0.1	2.90	<0.1	16	7.7	24	2.0	0.92	1.8	<0.05	0.20	7.2	1.5
3482429	Drill Core	4.95	0.009	<0.1	5.95	11	45	2	<0.1	6.34	<0.1	162	15.7	38	2.9	1.82	1.6	<0.05	0.19	75.1	1.9
3482430	Drill Core	4.69	0.012	<0.1	7.24	15	39	1	<0.1	1.94	<0.1	29	20.8	32	2.1	0.94	2.4	<0.05	0.17	13.0	1.3
3482431	Drill Core	4.25	0.005	<0.1	6.62	10	46	<1	<0.1	1.83	<0.1	34	12.9	28	1.8	0.85	1.9	<0.05	0.21	15.1	2.5
3482432	Drill Core	4.51	0.014	<0.1	5.73	20	32	<1	0.1	3.61	<0.1	88	34.8	13	1.6	1.28	0.9	<0.05	0.15	42.1	1.0
3482433	Drill Core	4.42	0.006	<0.1	6.17	11	39	<1	<0.1	1.68	<0.1	22	17.0	15	1.7	0.67	1.4	<0.05	0.17	9.1	0.9
3482434	Drill Core	4.99	<0.005	<0.1	5.69	9	86	1	<0.1	0.90	<0.1	14	23.0	29	1.4	0.70	1.7	<0.05	0.37	5.8	3.2
3482435	Drill Core	4.95	<0.005	<0.1	6.81	13	102	2	<0.1	1.51	<0.1	53	4.6	20	1.4	0.63	1.4	<0.05	0.50	24.5	1.9
3482436	Drill Core	4.63	<0.005	<0.1	5.20	10	50	2	<0.1	0.81	<0.1	18	6.2	36	1.5	0.71	1.7	<0.05	0.23	7.4	3.7
3482437	Drill Core	4.82	<0.005	<0.1	7.12	12	36	1	<0.1	3.02	<0.1	733	17.2	20	1.7	0.99	1.5	<0.05	0.22	333.7	1.2
3482438	Drill Core	4.74	0.020	<0.1	5.37	14	26	1	<0.1	0.95	<0.1	27	13.7	20	2.0	0.57	1.6	<0.05	0.12	11.2	1.4

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Report Date: November 27, 2019

CERTIFICATE OF ANALYSIS TIM19002454.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3482409	Drill Core	0.61	132	0.7	5.147	0.4	8.7	0.020	4.2	0.7	<0.005	<0.1	0.2	2	<1	3.3	94	<0.1	<0.5	1.5	0.013
3482410	Drill Core	0.82	173	1.5	4.690	0.5	6.4	0.026	1.3	3.3	<0.005	<0.1	0.1	2	<1	0.1	109	<0.1	<0.5	2.5	0.018
3482411	Drill Core	0.51	128	0.6	4.759	0.3	4.1	0.023	1.2	0.6	<0.005	<0.1	<0.1	1	<1	<0.1	71	<0.1	<0.5	1.3	0.013
3482412	Drill Core	1.13	177	1.6	5.125	0.5	14.4	0.025	1.4	4.7	<0.005	<0.1	0.2	4	<1	0.2	140	<0.1	<0.5	2.8	0.022
3482413	Drill Core	0.74	135	0.6	4.797	0.7	8.3	0.025	1.0	2.6	<0.005	<0.1	0.1	3	<1	<0.1	105	<0.1	<0.5	2.5	0.022
3482414	Drill Core	0.45	70	0.6	5.327	0.6	9.8	0.024	1.0	0.5	<0.005	<0.1	0.2	2	<1	0.1	75	<0.1	<0.5	1.8	0.020
3482415	Drill Core	2.09	353	2.1	4.303	0.5	15.8	0.023	0.8	2.9	<0.005	<0.1	0.2	4	1	<0.1	109	<0.1	1.8	2.0	0.016
3482416	Drill Core	1.10	211	3.5	4.897	0.6	12.9	0.027	1.3	3.8	<0.005	<0.1	0.1	3	<1	0.2	121	<0.1	<0.5	2.5	0.021
3482417	Drill Core	1.02	185	6.9	5.087	0.6	15.7	0.024	1.7	4.8	<0.005	0.3	0.2	3	2	0.2	120	<0.1	<0.5	3.3	0.022
3482418	Drill Core	0.95	154	1.0	5.379	0.6	11.0	0.028	1.3	5.2	<0.005	<0.1	0.1	3	1	0.1	136	<0.1	<0.5	2.8	0.024
3482419	Drill Core	1.01	181	0.9	5.611	0.6	9.2	0.034	1.4	3.5	<0.005	0.1	0.1	3	<1	0.1	118	<0.1	0.7	2.5	0.020
3482420	Rock Pulp	3.82	1963	2.5	2.052	18.5	143.9	0.161	4.9	20.9	<0.005	0.7	2.3	18	<1	1.6	388	1.1	1.0	3.2	0.935
3482421	Drill Core	1.07	180	0.8	5.454	0.9	11.3	0.041	1.5	6.1	<0.005	0.1	<0.1	4	2	0.2	132	<0.1	<0.5	4.0	0.031
3482422	Drill Core	0.46	69	0.5	5.303	0.7	11.0	0.033	1.4	1.8	<0.005	0.2	0.2	2	<1	0.1	87	<0.1	<0.5	3.5	0.024
3482423	Drill Core	0.79	112	0.7	5.412	1.6	17.1	0.052	1.9	1.6	<0.005	0.3	0.2	4	<1	0.4	108	0.2	<0.5	5.5	0.047
3482424	Drill Core	1.05	247	0.4	5.519	0.7	7.4	0.038	1.3	4.4	<0.005	<0.1	0.1	3	1	0.1	111	<0.1	0.6	3.8	0.026
3482425	Rock	0.02	42	0.2	7.067	<0.1	0.6	<0.001	3.9	48.6	<0.005	<0.1	0.1	<1	<1	<0.1	29	<0.1	<0.5	0.1	0.002
3482426	Drill Core	0.75	147	0.2	6.271	0.8	10.8	0.042	1.3	1.0	<0.005	0.2	0.1	2	<1	0.1	90	0.1	<0.5	2.3	0.026
3482427	Drill Core	0.63	67	0.6	5.157	0.6	13.6	0.022	1.3	1.2	<0.005	<0.1	0.2	2	<1	0.1	94	<0.1	<0.5	1.9	0.020
3482428	Drill Core	1.38	257	1.2	5.759	0.9	9.8	0.044	1.2	5.0	<0.005	<0.1	0.3	3	<1	0.3	110	<0.1	0.5	3.6	0.029
3482429	Drill Core	3.04	578	0.9	4.663	0.9	20.7	0.039	1.5	6.0	<0.005	0.2	<0.1	6	1	0.1	134	<0.1	2.3	5.1	0.026
3482430	Drill Core	0.97	175	0.8	6.407	1.3	15.8	0.057	1.5	3.9	<0.005	0.3	0.2	3	<1	0.3	112	0.1	<0.5	6.0	0.039
3482431	Drill Core	1.08	166	1.4	5.704	0.8	16.6	0.041	2.1	3.6	<0.005	0.2	0.2	4	<1	0.9	125	<0.1	<0.5	3.8	0.028
3482432	Drill Core	1.68	332	0.3	4.681	0.5	20.4	0.031	1.3	4.3	<0.005	0.3	0.1	4	2	0.1	101	<0.1	1.1	4.4	0.015
3482433	Drill Core	0.78	154	0.7	6.444	0.6	11.7	0.042	1.4	1.1	<0.005	0.1	0.1	2	<1	0.1	91	<0.1	<0.5	2.4	0.023
3482434	Drill Core	0.76	78	3.4	5.317	0.8	15.2	0.027	1.6	3.2	<0.005	0.1	0.1	4	<1	0.4	113	<0.1	<0.5	2.5	0.035
3482435	Drill Core	0.93	118	0.7	5.081	0.7	12.9	0.028	1.5	16.3	<0.005	<0.1	0.1	5	1	0.2	151	<0.1	<0.5	3.3	0.028
3482436	Drill Core	0.77	71	0.8	5.418	0.8	24.3	0.030	1.5	1.1	<0.005	<0.1	0.2	3	<1	0.2	107	<0.1	<0.5	2.2	0.029
3482437	Drill Core	1.43	284	0.5	6.114	0.8	14.3	0.088	1.8	4.4	<0.005	0.2	0.1	4	<1	0.2	110	<0.1	<0.5	11.9	0.026
3482438	Drill Core	0.49	90	0.5	6.150	0.9	11.8	0.044	1.4	0.4	<0.005	0.2	0.1	1	<1	0.2	71	<0.1	<0.5	2.5	0.027

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: November 27, 2019

CERTIFICATE OF ANALYSIS TIM19002454.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3482409	Drill Core	<0.5	0.4	12	0.3	4.7	2	31.0
3482410	Drill Core	<0.5	0.9	14	0.4	6.9	2	39.6
3482411	Drill Core	<0.5	0.8	9	0.2	5.0	<1	26.3
3482412	Drill Core	<0.5	1.0	21	0.3	7.9	1	38.2
3482413	Drill Core	<0.5	0.5	17	0.2	3.8	2	45.4
3482414	Drill Core	<0.5	0.5	16	0.3	2.2	<1	43.9
3482415	Drill Core	<0.5	0.8	14	0.5	10.9	<1	31.6
3482416	Drill Core	<0.5	0.9	20	0.4	6.5	1	39.1
3482417	Drill Core	<0.5	4.7	16	0.5	8.3	<1	41.6
3482418	Drill Core	<0.5	0.9	19	0.4	5.7	1	42.2
3482419	Drill Core	<0.5	0.7	16	0.4	6.0	<1	36.7
3482420	Rock Pulp	<0.5	0.9	161	1.2	21.8	113	121.9
3482421	Drill Core	<0.5	1.1	23	0.5	5.7	<1	59.1
3482422	Drill Core	<0.5	1.2	22	0.2	3.3	<1	62.9
3482423	Drill Core	<0.5	1.9	39	0.7	4.8	2	110.5
3482424	Drill Core	<0.5	1.2	24	0.5	6.1	<1	53.3
3482425	Rock	<0.5	<0.1	<1	<0.1	1.2	5	24.2
3482426	Drill Core	<0.5	0.5	15	0.6	4.9	2	50.9
3482427	Drill Core	<0.5	0.5	18	0.2	2.8	1	33.1
3482428	Drill Core	<0.5	1.3	28	0.7	8.1	1	60.3
3482429	Drill Core	<0.5	1.8	36	0.8	16.5	1	59.8
3482430	Drill Core	<0.5	1.8	27	0.9	5.7	1	81.0
3482431	Drill Core	<0.5	1.2	26	0.5	4.7	1	59.2
3482432	Drill Core	<0.5	1.1	16	0.5	10.9	<1	31.2
3482433	Drill Core	<0.5	0.6	18	0.4	4.5	1	47.8
3482434	Drill Core	<0.5	2.9	38	0.4	3.0	2	57.1
3482435	Drill Core	<0.5	2.0	29	0.4	5.8	2	45.2
3482436	Drill Core	<0.5	1.4	31	0.3	2.5	2	56.6
3482437	Drill Core	<0.5	1.1	22	0.6	17.3	<1	53.1
3482438	Drill Core	<0.5	0.8	17	0.4	2.5	<1	58.0

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: November 27, 2019

CERTIFICATE OF ANALYSIS TIM19002454.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3482439	Drill Core	5.37	<0.005	<0.1	6.51	8	52	1	<0.1	1.67	<0.1	72	5.4	19	1.7	0.74	1.3	<0.05	0.23	33.3	1.8
3482440	Rock Pulp	0.07	0.525	0.2	7.27	5	143	<1	<0.1	7.13	<0.1	10	45.7	173	146.6	7.93	1.8	0.08	0.20	4.0	12.8
3482441	Drill Core	4.13	<0.005	<0.1	5.28	17	84	2	<0.1	1.16	<0.1	14	6.9	25	1.6	0.63	1.5	<0.05	0.38	5.9	2.2
3482442	Drill Core	4.28	<0.005	<0.1	4.70	5	49	1	0.1	0.57	<0.1	21	4.3	23	1.6	0.60	1.3	<0.05	0.21	8.7	3.9
3482443	Drill Core	3.55	<0.005	<0.1	4.77	4	66	1	<0.1	0.62	<0.1	19	5.7	26	1.6	0.59	1.4	<0.05	0.30	9.1	3.7
3482444	Drill Core	4.47	<0.005	<0.1	5.70	8	43	<1	0.2	1.52	<0.1	37	16.1	27	2.0	0.80	1.4	<0.05	0.18	16.4	2.9
3482445	Drill Core	4.00	0.006	<0.1	6.34	7	35	2	<0.1	2.59	<0.1	42	8.0	21	2.2	0.93	2.0	<0.05	0.16	18.9	1.3
3482446	Drill Core	4.85	<0.005	<0.1	4.36	4	35	1	<0.1	1.03	<0.1	15	2.9	13	1.6	0.50	1.2	<0.05	0.13	6.6	1.6
3482447	Drill Core	5.24	<0.005	<0.1	5.38	4	28	<1	<0.1	1.25	<0.1	17	4.4	16	1.4	0.57	1.3	<0.05	0.12	8.0	2.0
3482448	Drill Core	4.01	<0.005	<0.1	4.18	2	18	<1	<0.1	0.64	<0.1	7	1.7	18	1.5	0.33	2.2	<0.05	0.08	3.0	0.5
3482449	Drill Core	4.81	<0.005	<0.1	6.38	5	25	<1	<0.1	2.93	<0.1	57	4.9	23	1.7	0.89	2.6	<0.05	0.14	24.5	1.0
3482450	Rock	0.20	<0.005	<0.1	8.59	<1	45	<1	<0.1	0.21	<0.1	2	<0.2	1	1.9	0.34	0.4	<0.05	3.77	0.9	23.7
3482451	Drill Core	4.45	<0.005	<0.1	6.08	5	33	<1	<0.1	1.42	<0.1	29	8.0	26	1.8	0.74	2.7	<0.05	0.17	12.6	2.4
3482452	Drill Core	4.17	<0.005	<0.1	5.40	3	80	1	<0.1	0.64	<0.1	30	4.8	38	1.7	0.93	2.1	<0.05	0.32	13.7	6.3
3482453	Drill Core	5.11	<0.005	<0.1	5.63	<1	55	<1	<0.1	0.54	<0.1	32	7.4	30	1.8	1.00	1.6	<0.05	0.26	14.2	6.8
3482454	Drill Core	4.95	<0.005	<0.1	5.71	2	62	1	<0.1	0.38	<0.1	44	7.4	30	1.9	0.97	1.8	<0.05	0.29	19.4	7.1
3482455	Drill Core	5.46	<0.005	<0.1	5.23	9	83	3	<0.1	0.52	<0.1	37	5.0	36	1.8	0.89	2.6	<0.05	0.42	15.8	5.4
3482456	Drill Core	6.57	<0.005	<0.1	4.17	9	78	1	<0.1	0.45	<0.1	20	3.3	14	19.9	0.58	1.2	<0.05	0.34	10.0	2.1
3482457	Drill Core	4.13	<0.005	<0.1	4.87	11	76	<1	<0.1	0.47	<0.1	22	2.8	11	19.4	0.52	1.1	<0.05	0.36	10.3	1.9
3482458	Drill Core	4.32	<0.005	<0.1	5.80	8	136	<1	<0.1	0.66	<0.1	26	4.5	25	18.0	0.92	1.6	<0.05	0.55	12.3	5.3
3482459	Drill Core	4.09	<0.005	<0.1	5.81	6	180	3	<0.1	0.53	<0.1	47	4.7	52	12.3	0.99	4.1	<0.05	0.53	21.7	6.1
3482460	Rock Pulp	0.07	4.961	0.9	6.05	24	221	<1	0.3	5.27	0.1	12	39.8	256	129.3	6.79	1.7	0.05	0.45	5.1	18.3
3482461	Drill Core	4.52	<0.005	<0.1	5.86	7	125	3	<0.1	1.03	<0.1	66	3.6	43	5.4	0.54	4.4	<0.05	0.56	28.4	3.4
3482462	Drill Core	4.27	<0.005	<0.1	5.73	9	50	1	<0.1	2.71	<0.1	44	4.4	28	11.5	0.78	2.3	<0.05	0.35	20.3	1.6
3482463	Drill Core	4.78	<0.005	<0.1	5.81	8	48	1	<0.1	1.41	<0.1	43	4.0	23	7.7	0.52	2.6	<0.05	0.28	20.0	1.3
3482464	Drill Core	4.83	<0.005	<0.1	6.38	12	41	1	0.1	2.16	<0.1	34	5.6	38	9.8	0.73	2.1	<0.05	0.30	15.0	1.3
3482465	Drill Core	5.17	<0.005	<0.1	7.40	20	84	4	0.2	1.52	<0.1	38	13.0	76	46.0	1.57	2.9	<0.05	0.93	15.8	7.8
3482466	Drill Core	3.77	<0.005	<0.1	6.31	29	92	2	0.2	0.58	<0.1	43	16.6	82	100.4	1.59	3.2	<0.05	0.84	19.9	6.6
3482467	Drill Core	4.38	<0.005	<0.1	6.65	33	55	1	0.1	1.90	<0.1	39	12.1	41	55.8	0.99	2.4	<0.05	0.46	18.8	3.7
3482468	Drill Core	3.53	0.055	<0.1	6.64	65	43	3	0.6	3.68	<0.1	34	67.7	34	59.6	1.38	3.9	<0.05	0.44	17.1	2.2

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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3482439	Drill Core	0.87	165	0.3	5.410	0.8	9.6	0.029	1.5	6.1	<0.005	0.1	0.2	3	<1	0.2	115	<0.1	0.7	3.3	0.026
3482440	Rock Pulp	4.21	1462	0.7	2.203	3.6	92.5	0.039	3.0	3.6	0.008	0.1	0.5	44	<1	0.7	116	0.2	2.9	0.4	0.670
3482441	Drill Core	0.71	105	0.9	5.330	0.8	18.4	0.028	1.5	3.1	<0.005	<0.1	0.2	3	<1	0.4	100	<0.1	<0.5	2.3	0.032
3482442	Drill Core	0.68	59	0.6	5.094	0.9	17.7	0.026	1.4	1.5	<0.005	<0.1	0.3	3	2	0.3	105	0.1	<0.5	2.0	0.031
3482443	Drill Core	0.68	60	5.1	5.335	1.1	19.0	0.025	1.7	2.3	<0.005	<0.1	0.1	3	2	0.4	107	0.1	<0.5	2.0	0.046
3482444	Drill Core	1.12	140	3.5	5.534	1.1	15.9	0.033	1.7	3.1	<0.005	<0.1	0.2	3	<1	0.3	140	0.1	1.1	2.9	0.037
3482445	Drill Core	1.32	269	3.0	5.657	1.2	11.3	0.035	1.5	3.6	<0.005	<0.1	0.2	3	1	0.3	121	0.1	<0.5	4.6	0.041
3482446	Drill Core	0.55	112	1.2	6.212	0.7	8.0	0.022	1.3	0.6	<0.005	<0.1	0.1	1	2	0.2	73	<0.1	<0.5	1.8	0.025
3482447	Drill Core	0.82	122	0.8	5.580	0.8	10.2	0.029	1.1	1.1	<0.005	<0.1	0.2	2	1	0.2	98	<0.1	0.8	2.0	0.029
3482448	Drill Core	0.23	70	0.5	6.667	1.4	3.3	0.036	0.8	0.3	<0.005	<0.1	0.2	<1	2	0.2	42	0.1	<0.5	2.2	0.053
3482449	Drill Core	1.44	296	0.8	5.721	1.2	9.8	0.050	1.1	2.2	<0.005	<0.1	0.2	3	<1	0.3	92	0.1	0.7	4.6	0.038
3482450	Rock	0.03	47	0.4	6.863	0.1	0.5	<0.001	5.2	52.5	<0.005	<0.1	<0.1	<1	<1	0.2	51	<0.1	<0.5	0.3	0.002
3482451	Drill Core	0.99	122	0.6	5.732	1.4	13.3	0.055	1.3	2.2	<0.005	0.1	0.1	3	1	0.3	106	0.1	0.6	4.0	0.044
3482452	Drill Core	1.25	55	1.1	5.054	1.3	20.7	0.042	1.6	3.1	<0.005	<0.1	0.2	6	1	0.5	121	0.1	<0.5	3.6	0.046
3482453	Drill Core	1.28	50	0.6	4.787	1.0	21.6	0.032	1.4	3.2	<0.005	<0.1	0.1	5	<1	0.3	117	<0.1	<0.5	3.3	0.037
3482454	Drill Core	1.27	39	0.3	4.638	1.1	20.2	0.034	2.2	6.6	<0.005	<0.1	0.1	5	<1	1.1	150	<0.1	<0.5	3.8	0.038
3482455	Drill Core	1.08	61	0.6	5.002	1.2	26.0	0.043	1.5	4.2	<0.005	<0.1	0.1	5	<1	0.3	110	0.1	<0.5	3.1	0.045
3482456	Drill Core	0.55	70	0.1	4.501	0.6	14.0	0.020	0.9	2.3	<0.005	<0.1	0.1	2	<1	0.2	67	<0.1	<0.5	2.2	0.024
3482457	Drill Core	0.40	90	0.2	4.247	0.6	14.0	0.022	0.9	4.8	<0.005	<0.1	<0.1	3	2	0.1	71	<0.1	<0.5	2.4	0.023
3482458	Drill Core	1.27	82	<0.1	4.583	1.0	21.7	0.026	1.4	10.0	<0.005	<0.1	0.1	4	<1	0.3	105	0.1	<0.5	3.8	0.039
3482459	Drill Core	1.36	67	0.2	5.668	2.1	31.4	0.037	1.1	4.2	<0.005	<0.1	<0.1	8	<1	0.4	78	0.2	<0.5	5.4	0.068
3482460	Rock Pulp	3.85	1190	3.0	1.828	3.3	114.4	0.039	15.9	14.1	<0.005	0.4	0.4	32	<1	0.6	107	0.2	0.9	1.0	0.549
3482461	Drill Core	0.79	98	0.3	6.175	2.3	16.2	0.041	1.1	5.2	<0.005	<0.1	0.1	6	<1	0.7	73	0.2	0.6	5.7	0.073
3482462	Drill Core	1.47	243	0.1	4.802	1.0	10.5	0.037	1.0	6.0	<0.005	<0.1	<0.1	9	<1	0.2	86	<0.1	0.8	4.5	0.029
3482463	Drill Core	0.80	136	0.2	5.235	1.1	9.9	0.044	0.9	3.1	<0.005	<0.1	<0.1	5	<1	0.3	70	0.1	<0.5	4.3	0.030
3482464	Drill Core	1.39	202	0.1	5.284	1.6	13.6	0.034	1.0	5.1	<0.005	<0.1	0.1	9	<1	0.3	65	0.1	<0.5	5.5	0.060
3482465	Drill Core	2.90	132	0.3	5.367	2.8	53.2	0.046	2.0	39.8	<0.005	0.1	0.3	16	<1	0.8	73	0.2	0.7	7.6	0.146
3482466	Drill Core	2.44	72	0.8	5.988	2.2	66.3	0.049	3.6	23.3	<0.005	0.1	0.3	16	<1	0.5	41	0.2	1.1	6.3	0.135
3482467	Drill Core	1.68	159	0.2	5.146	1.1	33.9	0.041	1.8	15.2	<0.005	0.1	0.2	8	1	0.3	74	0.1	0.6	6.1	0.052
3482468	Drill Core	2.17	274	0.2	5.197	1.3	45.0	0.041	2.6	5.4	0.005	0.5	0.3	11	1	0.3	75	0.2	1.0	7.1	0.038

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: November 27, 2019

CERTIFICATE OF ANALYSIS TIM19002454.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3482439	Drill Core	<0.5	1.4	22	0.6	4.8	<1	48.3
3482440	Rock Pulp	<0.5	0.1	322	1.2	22.0	82	54.5
3482441	Drill Core	<0.5	1.1	35	0.4	3.0	2	55.4
3482442	Drill Core	<0.5	0.8	28	0.2	2.5	3	48.7
3482443	Drill Core	<0.5	1.2	37	0.5	3.2	3	49.7
3482444	Drill Core	<0.5	0.8	29	0.6	4.2	2	52.8
3482445	Drill Core	<0.5	1.6	25	0.8	6.6	2	65.5
3482446	Drill Core	<0.5	0.4	16	0.4	2.7	1	43.5
3482447	Drill Core	<0.5	0.3	19	0.5	2.8	2	48.3
3482448	Drill Core	<0.5	0.6	23	1.0	1.9	<1	75.3
3482449	Drill Core	<0.5	1.2	26	1.0	5.2	1	88.0
3482450	Rock	0.6	0.2	<1	<0.1	2.3	8	18.0
3482451	Drill Core	<0.5	1.1	23	0.6	4.1	1	84.7
3482452	Drill Core	<0.5	1.1	45	0.3	4.3	3	74.0
3482453	Drill Core	<0.5	1.0	34	0.1	4.1	3	55.8
3482454	Drill Core	<0.5	1.6	33	0.2	4.7	4	58.3
3482455	Drill Core	<0.5	0.9	52	0.3	4.1	4	83.8
3482456	Drill Core	<0.5	0.3	20	0.3	2.7	3	42.8
3482457	Drill Core	<0.5	0.4	17	0.3	2.8	2	43.5
3482458	Drill Core	<0.5	0.7	32	0.2	4.2	4	57.5
3482459	Drill Core	<0.5	1.0	71	0.4	9.4	4	145.2
3482460	Rock Pulp	<0.5	0.2	259	5.2	19.7	84	49.1
3482461	Drill Core	<0.5	1.5	74	0.9	9.7	2	149.0
3482462	Drill Core	<0.5	0.9	31	0.5	8.7	2	82.5
3482463	Drill Core	<0.5	0.8	19	0.6	6.1	1	87.1
3482464	Drill Core	<0.5	1.5	42	0.9	11.8	1	67.7
3482465	Drill Core	<0.5	1.7	103	0.8	15.4	4	105.5
3482466	Drill Core	<0.5	1.1	119	0.6	10.2	4	114.2
3482467	Drill Core	<0.5	1.8	44	0.7	10.9	2	92.4
3482468	Drill Core	<0.5	2.4	31	2.3	19.3	3	136.5

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: November 27, 2019

CERTIFICATE OF ANALYSIS TIM19002454.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3482469	Drill Core	2.43	0.011	<0.1	6.65	31	48	4	0.2	3.41	<0.1	25	23.5	43	36.5	1.22	2.4	<0.05	0.46	10.4	2.8
3482470	Drill Core	3.43	<0.005	<0.1	7.06	28	85	2	0.2	0.87	<0.1	29	17.3	96	71.8	1.96	3.2	<0.05	1.18	11.7	10.5
3482471	Drill Core	2.77	<0.005	<0.1	7.07	24	84	2	0.3	1.00	<0.1	40	20.4	89	23.5	1.92	2.9	<0.05	1.12	15.8	10.9
3482472	Drill Core	2.04	0.009	<0.1	7.00	19	80	2	0.6	1.52	<0.1	56	23.4	78	22.0	2.45	3.0	<0.05	1.45	23.6	20.8
3482473	Drill Core	4.65	<0.005	<0.1	6.49	37	86	3	0.2	1.32	<0.1	44	17.4	55	22.6	1.25	2.6	<0.05	0.71	19.6	5.2
3482474	Drill Core	4.72	<0.005	<0.1	5.62	32	83	<1	0.2	1.15	<0.1	22	11.5	24	43.4	0.88	1.6	<0.05	0.50	9.6	3.0
3482475	Rock	0.21	<0.005	<0.1	7.98	<1	46	<1	<0.1	0.20	<0.1	2	<0.2	2	2.3	0.31	0.4	<0.05	3.85	0.7	24.0
3482476	Drill Core	4.94	0.006	<0.1	6.21	55	71	2	<0.1	2.73	<0.1	39	19.7	43	67.4	1.05	2.0	<0.05	0.29	17.3	4.5
3482477	Drill Core	5.40	0.009	<0.1	5.86	53	44	1	0.2	2.86	<0.1	21	15.2	39	162.7	1.13	2.2	<0.05	0.22	10.4	1.6
3482478	Drill Core	5.12	0.010	<0.1	6.12	45	65	2	0.1	2.61	<0.1	45	14.6	35	73.6	0.95	2.1	<0.05	0.25	20.9	2.5
3482479	Drill Core	4.90	0.010	<0.1	5.39	14	69	1	<0.1	1.29	<0.1	27	6.3	19	16.0	0.53	1.1	<0.05	0.17	13.1	0.8
3482480	Rock Pulp	0.07	1.541	0.2	7.01	864	335	<1	<0.1	5.66	<0.1	36	41.9	194	76.6	8.08	3.2	0.10	0.64	19.2	9.3
3482481	Drill Core	4.64	0.015	<0.1	5.31	20	77	2	0.4	1.96	<0.1	39	8.4	15	19.3	0.67	1.2	<0.05	0.17	18.3	1.3
3482482	Drill Core	4.14	0.018	<0.1	5.84	22	76	1	0.5	2.31	<0.1	44	11.1	19	15.1	0.76	1.0	<0.05	0.21	20.1	1.5
3482483	Drill Core	5.00	<0.005	<0.1	4.47	15	96	1	<0.1	0.57	<0.1	15	4.4	14	10.7	0.54	1.0	<0.05	0.26	6.8	2.9
3482484	Drill Core	4.81	<0.005	<0.1	4.81	15	96	1	<0.1	0.56	<0.1	18	4.7	13	11.7	0.54	1.0	<0.05	0.28	8.4	3.7
3482485	Drill Core	5.21	0.011	<0.1	5.69	15	79	2	<0.1	1.58	<0.1	41	6.7	31	10.8	0.68	1.6	<0.05	0.21	19.7	2.5
3482486	Drill Core	4.93	0.007	<0.1	4.45	10	56	1	<0.1	0.75	<0.1	19	4.0	27	6.9	0.46	1.7	<0.05	0.15	8.2	1.3
3482487	Drill Core	4.95	<0.005	<0.1	5.35	8	100	1	<0.1	1.09	<0.1	26	3.0	16	5.9	0.57	1.1	<0.05	0.23	12.2	2.2
3482488	Drill Core	5.26	<0.005	<0.1	5.41	12	87	<1	<0.1	0.79	<0.1	24	4.6	20	8.6	0.47	1.2	<0.05	0.20	11.5	1.6
3482489	Drill Core	4.48	<0.005	<0.1	5.56	9	87	2	<0.1	1.22	<0.1	43	3.3	29	9.6	0.48	1.3	<0.05	0.21	20.4	1.3
3482490	Drill Core	4.80	<0.005	<0.1	5.38	17	75	1	<0.1	1.18	<0.1	38	6.6	27	10.7	0.55	1.6	<0.05	0.21	17.9	1.9
3482491	Drill Core	4.21	0.007	<0.1	5.54	12	64	1	<0.1	1.60	<0.1	26	4.5	22	8.0	0.54	1.2	<0.05	0.17	12.1	1.1
3482492	Drill Core	4.41	0.045	<0.1	5.28	12	51	2	<0.1	1.37	<0.1	17	11.1	28	9.4	0.50	1.7	<0.05	0.15	8.0	0.6
3482493	Drill Core	5.11	0.013	<0.1	5.73	14	62	1	<0.1	1.83	<0.1	55	7.9	36	18.3	0.69	2.4	<0.05	0.19	25.8	1.9
3482494	Drill Core	4.95	0.009	<0.1	5.79	3	53	1	<0.1	1.45	<0.1	29	1.6	24	4.5	0.48	1.4	<0.05	0.17	13.8	0.5
3482495	Drill Core	4.66	0.005	<0.1	6.02	16	61	2	<0.1	2.19	<0.1	53	8.4	28	12.9	0.67	1.6	<0.05	0.21	24.9	1.6
3482496	Drill Core	4.93	<0.005	<0.1	5.76	5	58	1	<0.1	1.45	<0.1	21	2.2	25	6.1	0.49	1.7	<0.05	0.19	9.4	0.9
3482497	Drill Core	4.35	0.006	<0.1	5.30	6	50	1	<0.1	1.66	<0.1	31	3.6	26	6.0	0.58	1.9	<0.05	0.19	14.5	1.7
3482498	Rock	0.21	<0.005	<0.1	7.29	<1	37	<1	<0.1	0.18	<0.1	1	<0.2	1	1.5	0.28	0.5	<0.05	3.44	0.4	24.1

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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3482469	Drill Core	2.22	291	<0.1	5.550	1.5	24.2	0.054	1.6	10.4	<0.005	0.1	0.2	11	<1	0.5	75	0.1	1.2	5.3	0.059
3482470	Drill Core	3.57	132	<0.1	5.681	2.0	80.5	0.060	5.3	37.3	<0.005	0.2	0.4	18	<1	0.7	47	0.2	0.7	7.1	0.154
3482471	Drill Core	3.55	137	<0.1	5.566	3.1	75.7	0.061	1.9	35.5	<0.005	0.2	0.3	16	<1	1.1	45	0.3	1.0	6.8	0.181
3482472	Drill Core	5.48	164	0.1	3.940	1.7	82.9	0.119	1.8	55.6	<0.005	<0.1	0.3	16	<1	0.7	41	0.2	1.7	8.7	0.124
3482473	Drill Core	2.26	117	0.8	5.408	2.1	41.3	0.049	1.2	18.9	<0.005	0.1	0.2	11	<1	0.4	67	0.2	<0.5	5.8	0.108
3482474	Drill Core	1.36	94	0.1	4.453	0.9	26.7	0.030	2.1	21.2	<0.005	0.1	0.2	4	<1	0.3	83	<0.1	<0.5	3.4	0.046
3482475	Rock	0.03	50	0.4	6.717	0.1	0.4	0.001	5.0	48.7	<0.005	<0.1	0.1	<1	<1	0.2	50	<0.1	<0.5	0.3	0.002
3482476	Drill Core	2.09	232	0.3	5.317	1.6	26.1	0.043	1.3	6.3	<0.005	<0.1	0.2	12	<1	0.2	74	0.1	1.3	5.1	0.066
3482477	Drill Core	1.69	236	0.3	5.259	1.4	41.2	0.048	5.9	5.0	<0.005	0.4	0.3	9	<1	2.3	70	0.1	0.8	4.5	0.045
3482478	Drill Core	1.79	210	0.2	5.023	2.0	21.5	0.036	1.4	7.5	<0.005	0.1	0.2	8	<1	0.4	87	0.2	0.9	5.2	0.063
3482479	Drill Core	0.79	135	0.2	4.932	0.9	9.6	0.030	1.5	3.1	<0.005	<0.1	0.3	3	<1	0.2	79	0.1	<0.5	3.2	0.029
3482480	Rock Pulp	3.79	1914	2.6	1.993	18.8	131.9	0.154	4.7	20.0	<0.005	0.7	2.5	19	<1	1.6	385	1.1	1.2	3.1	0.915
3482481	Drill Core	1.13	191	0.2	4.471	0.5	14.1	0.021	1.2	3.1	<0.005	<0.1	0.1	5	<1	0.2	85	<0.1	1.2	2.8	0.019
3482482	Drill Core	1.43	219	0.6	4.904	0.6	18.5	0.027	1.2	4.3	<0.005	<0.1	0.2	8	<1	0.3	88	<0.1	1.6	2.5	0.024
3482483	Drill Core	0.70	62	0.3	4.801	0.5	17.3	0.018	1.0	2.5	<0.005	<0.1	0.2	3	<1	0.1	75	<0.1	<0.5	1.4	0.025
3482484	Drill Core	0.72	60	0.3	4.850	0.6	16.2	0.021	1.1	4.3	<0.005	<0.1	0.3	3	<1	0.2	82	<0.1	<0.5	1.7	0.026
3482485	Drill Core	1.09	150	0.7	5.082	1.0	14.2	0.032	2.4	5.1	<0.005	<0.1	0.1	5	<1	2.2	93	<0.1	0.7	4.8	0.036
3482486	Drill Core	0.53	79	0.9	5.449	0.8	11.0	0.024	3.1	0.6	<0.005	<0.1	0.1	2	<1	4.0	49	<0.1	<0.5	1.8	0.029
3482487	Drill Core	0.83	111	0.7	4.731	0.6	9.1	0.022	1.1	6.1	<0.005	<0.1	<0.1	4	2	0.2	86	<0.1	<0.5	2.5	0.024
3482488	Drill Core	0.59	81	0.5	4.870	0.7	9.1	0.024	1.4	4.6	<0.005	<0.1	0.2	3	3	0.2	81	<0.1	<0.5	3.1	0.026
3482489	Drill Core	0.71	110	0.4	5.157	1.0	6.4	0.026	1.4	4.6	<0.005	<0.1	0.2	4	1	0.3	81	<0.1	<0.5	3.1	0.031
3482490	Drill Core	0.81	109	0.4	4.656	0.7	11.5	0.027	1.2	5.3	<0.005	<0.1	0.2	4	<1	0.2	82	<0.1	<0.5	3.2	0.027
3482491	Drill Core	0.89	134	0.3	4.761	0.6	6.6	0.026	0.9	3.8	<0.005	<0.1	0.2	5	<1	0.2	79	<0.1	<0.5	3.1	0.021
3482492	Drill Core	0.75	121	0.5	5.122	0.7	10.0	0.033	0.9	2.1	<0.005	<0.1	0.1	3	1	0.3	64	<0.1	<0.5	2.9	0.023
3482493	Drill Core	1.07	160	0.6	4.958	0.8	9.2	0.048	1.2	3.9	<0.005	<0.1	0.2	7	<1	0.2	81	<0.1	0.6	5.4	0.023
3482494	Drill Core	0.77	134	0.4	5.165	0.7	3.1	0.034	0.7	2.8	<0.005	<0.1	<0.1	4	<1	0.2	67	<0.1	<0.5	3.5	0.022
3482495	Drill Core	1.21	194	0.5	5.057	0.8	8.0	0.033	1.0	3.6	<0.005	<0.1	0.2	7	1	0.2	83	<0.1	0.6	4.0	0.026
3482496	Drill Core	0.81	133	0.2	5.128	0.6	5.4	0.041	1.9	3.1	<0.005	<0.1	<0.1	4	<1	1.9	76	<0.1	<0.5	3.1	0.021
3482497	Drill Core	0.94	152	0.2	4.623	0.7	6.1	0.036	0.9	3.1	<0.005	<0.1	<0.1	5	2	0.2	71	<0.1	<0.5	3.2	0.024
3482498	Rock	0.02	46	0.4	6.870	0.1	0.4	<0.001	4.5	46.0	<0.005	<0.1	<0.1	<1	<1	0.2	42	<0.1	<0.5	0.2	0.001

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Bureau Veritas Commodities Canada Ltd.

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: November 27, 2019

CERTIFICATE OF ANALYSIS TIM19002454.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3482469	Drill Core	<0.5	0.9	42	1.9	18.3	2	92.9
3482470	Drill Core	<0.5	1.3	133	0.5	12.5	5	113.3
3482471	Drill Core	<0.5	1.4	118	0.6	12.0	4	108.9
3482472	Drill Core	<0.5	2.6	136	0.8	21.2	7	105.6
3482473	Drill Core	<0.5	1.3	77	0.7	11.2	3	92.9
3482474	Drill Core	<0.5	1.2	33	0.4	5.1	2	52.7
3482475	Rock	0.6	0.2	<1	<0.1	2.1	9	21.2
3482476	Drill Core	<0.5	1.8	56	2.2	12.4	3	70.6
3482477	Drill Core	<0.5	4.2	44	3.2	10.9	1	77.2
3482478	Drill Core	<0.5	2.3	42	2.2	10.2	1	77.5
3482479	Drill Core	<0.5	5.2	17	1.3	6.2	1	42.3
3482480	Rock Pulp	<0.5	0.9	156	1.4	23.5	109	118.2
3482481	Drill Core	<0.5	1.4	22	0.6	8.1	2	42.8
3482482	Drill Core	<0.5	1.4	31	0.6	8.8	3	35.8
3482483	Drill Core	<0.5	0.3	22	0.2	2.1	2	33.4
3482484	Drill Core	<0.5	0.4	22	0.2	2.6	1	34.0
3482485	Drill Core	<0.5	1.1	26	0.7	8.0	2	57.9
3482486	Drill Core	<0.5	0.7	25	0.6	2.8	1	55.5
3482487	Drill Core	<0.5	2.4	23	0.5	4.7	1	35.8
3482488	Drill Core	<0.5	4.2	20	1.0	4.0	2	45.8
3482489	Drill Core	<0.5	6.6	24	1.1	5.9	<1	41.3
3482490	Drill Core	<0.5	2.2	25	0.4	6.0	1	48.9
3482491	Drill Core	<0.5	1.6	18	0.4	5.7	<1	42.8
3482492	Drill Core	<0.5	1.0	20	0.6	4.5	<1	52.9
3482493	Drill Core	<0.5	5.3	25	0.3	8.8	<1	85.8
3482494	Drill Core	<0.5	1.3	17	0.4	5.8	<1	52.1
3482495	Drill Core	<0.5	1.4	25	0.4	9.4	<1	56.9
3482496	Drill Core	<0.5	1.5	18	0.6	6.1	<1	55.7
3482497	Drill Core	<0.5	0.9	24	0.5	7.4	5	57.9
3482498	Rock	0.5	<0.1	<1	<0.1	1.5	7	23.6

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: November 27, 2019

CERTIFICATE OF ANALYSIS TIM19002454.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3482499	Drill Core	4.59	0.007	<0.1	5.33	18	70	2	<0.1	2.70	<0.1	34	11.0	39	18.8	0.89	2.3	<0.05	0.31	15.1	3.3
3482500	Rock Pulp	0.07	0.526	0.2	6.91	6	140	<1	<0.1	6.72	<0.1	10	43.3	171	144.7	7.65	1.8	0.07	0.19	3.6	11.0
3482501	Drill Core	4.72	0.009	<0.1	5.34	5	47	2	<0.1	2.30	<0.1	26	2.9	24	6.1	0.63	1.8	<0.05	0.21	12.0	1.2
3482502	Drill Core	5.24	0.015	<0.1	5.62	12	52	3	0.1	2.57	<0.1	54	5.2	38	16.3	0.75	2.8	<0.05	0.24	25.6	2.4
3482503	Drill Core	5.05	0.031	<0.1	6.05	17	52	5	<0.1	3.30	<0.1	69	7.9	41	9.8	0.91	2.0	<0.05	0.23	32.2	2.5
3482504	Drill Core	6.02	0.011	<0.1	6.57	10	61	2	<0.1	1.43	<0.1	61	4.2	38	5.3	0.55	2.7	<0.05	0.29	26.9	2.2
3482505	Drill Core	4.74	<0.005	<0.1	5.47	12	77	1	<0.1	0.88	<0.1	21	6.5	26	10.1	0.65	1.7	<0.05	0.21	9.2	2.6
3482506	Drill Core	4.25	0.015	<0.1	5.02	8	62	2	<0.1	1.29	<0.1	33	5.6	28	6.0	0.61	1.5	<0.05	0.17	14.9	2.4
3482507	Drill Core	1.07	<0.005	<0.1	4.76	15	78	1	<0.1	0.46	<0.1	39	6.1	26	7.2	0.70	1.5	<0.05	0.22	16.8	4.5
3482508	Drill Core	5.64	<0.005	<0.1	5.58	12	86	1	<0.1	0.90	<0.1	30	4.2	20	8.3	0.63	1.3	<0.05	0.23	14.2	3.3
3482509	Drill Core	5.88	<0.005	<0.1	5.68	8	66	1	<0.1	1.98	<0.1	31	3.4	25	8.2	0.72	1.4	<0.05	0.19	13.6	2.9
3482510	Drill Core	4.29	<0.005	<0.1	5.78	14	56	2	<0.1	1.47	<0.1	28	6.1	24	13.0	0.63	1.3	<0.05	0.18	12.3	2.7
3482511	Drill Core	4.80	0.006	<0.1	5.74	12	68	2	<0.1	1.54	<0.1	24	5.4	22	8.4	0.69	1.3	<0.05	0.21	11.4	3.2
3482512	Drill Core	4.56	0.204	0.2	5.18	673	48	<1	1.4	1.86	<0.1	34	81.4	21	629.2	2.56	1.2	<0.05	0.19	16.7	1.1
3482513	Drill Core	6.12	<0.005	<0.1	5.69	15	56	1	<0.1	1.51	<0.1	27	5.4	24	22.8	0.68	1.4	<0.05	0.27	13.5	2.5
3482514	Drill Core	5.53	<0.005	<0.1	5.75	13	46	1	<0.1	1.68	<0.1	38	5.8	33	33.1	0.77	1.4	<0.05	0.24	18.9	2.8
3482515	Drill Core	5.48	0.006	<0.1	6.15	18	51	2	<0.1	2.98	<0.1	51	7.2	40	51.8	0.98	1.9	<0.05	0.30	24.0	3.9
3482516	Drill Core	6.23	<0.005	<0.1	5.39	12	54	2	<0.1	1.60	<0.1	29	4.9	28	18.0	0.65	1.4	<0.05	0.20	13.8	2.3
3482517	Drill Core	5.92	0.006	<0.1	5.42	9	59	2	<0.1	1.44	<0.1	18	3.7	25	14.8	0.63	1.1	<0.05	0.18	8.3	2.3
3482518	Drill Core	6.36	<0.005	<0.1	5.10	3	44	<1	<0.1	2.66	<0.1	29	0.7	18	3.1	0.66	1.0	<0.05	0.11	14.5	1.1
3482519	Drill Core	5.72	<0.005	<0.1	5.08	9	57	<1	<0.1	1.04	<0.1	17	3.9	21	8.1	0.48	1.5	<0.05	0.17	8.1	1.2
3482520	Rock Pulp	0.07	0.516	0.2	7.15	4	140	<1	<0.1	6.87	0.1	9	46.1	183	149.3	7.86	1.6	0.07	0.18	3.8	11.2
3482521	Drill Core	5.31	<0.005	<0.1	4.60	4	63	<1	<0.1	0.96	<0.1	18	1.9	15	6.7	0.52	0.9	<0.05	0.19	8.5	2.4
3482522	Drill Core	5.47	<0.005	<0.1	5.54	<1	50	2	<0.1	2.36	<0.1	52	0.8	18	4.9	0.68	1.3	<0.05	0.14	26.9	1.0
3482523	Drill Core	6.41	<0.005	<0.1	5.05	8	64	2	<0.1	1.17	<0.1	25	2.0	19	5.9	0.50	1.2	<0.05	0.20	12.1	1.3
3482524	Drill Core	5.51	0.023	<0.1	4.92	5	60	<1	<0.1	0.89	<0.1	13	2.1	12	6.0	0.45	1.1	<0.05	0.19	6.7	1.5
3482525	Rock	0.21	<0.005	<0.1	8.23	1	38	<1	<0.1	0.21	<0.1	1	<0.2	1	1.9	0.34	0.4	<0.05	3.46	0.5	21.7
3482526	Drill Core	5.47	0.005	<0.1	4.75	8	76	<1	<0.1	0.97	<0.1	16	3.6	15	8.1	0.46	1.1	<0.05	0.29	8.7	1.8
3482527	Drill Core	5.19	<0.005	<0.1	4.39	3	45	<1	<0.1	1.02	<0.1	12	1.5	11	4.2	0.46	0.8	<0.05	0.15	5.4	0.8
3482528	Drill Core	6.22	<0.005	<0.1	5.32	3	48	1	<0.1	1.74	<0.1	20	0.8	14	4.2	0.56	1.0	<0.05	0.18	10.6	0.9

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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3482499	Drill Core	1.62	196	0.2	4.569	1.1	18.4	0.056	1.3	5.9	<0.005	0.1	0.2	6	<1	0.4	80	0.1	1.1	4.2	0.039
3482500	Rock Pulp	4.07	1430	0.6	2.190	3.4	91.4	0.041	2.8	3.3	<0.005	0.1	0.4	42	<1	0.6	112	0.2	1.9	0.3	0.644
3482501	Drill Core	1.23	200	<0.1	4.725	0.8	6.0	0.050	0.8	3.6	<0.005	<0.1	<0.1	6	2	0.2	72	<0.1	0.6	3.6	0.027
3482502	Drill Core	1.51	208	0.4	4.962	1.0	14.8	0.053	1.0	4.6	<0.005	<0.1	0.2	10	<1	0.2	71	0.1	0.6	5.7	0.034
3482503	Drill Core	1.95	269	0.9	5.004	1.2	20.1	0.043	1.4	4.1	0.006	<0.1	0.1	11	1	0.2	87	0.1	1.0	4.8	0.044
3482504	Drill Core	1.06	138	0.9	6.002	1.3	13.2	0.040	1.2	4.4	<0.005	<0.1	0.1	6	<1	0.3	81	0.1	<0.5	5.0	0.048
3482505	Drill Core	0.95	94	0.3	4.972	0.8	14.8	0.025	1.5	3.6	<0.005	<0.1	0.2	4	1	0.1	88	<0.1	<0.5	3.3	0.029
3482506	Drill Core	0.95	124	0.3	5.181	0.8	10.6	0.025	2.1	2.0	<0.005	<0.1	<0.1	4	<1	0.2	72	<0.1	0.7	2.5	0.028
3482507	Drill Core	0.90	58	0.5	4.703	0.8	18.9	0.026	1.0	1.8	<0.005	<0.1	0.1	4	1	0.2	67	<0.1	<0.5	2.5	0.033
3482508	Drill Core	0.98	84	0.4	4.819	0.7	12.9	0.029	1.1	5.3	<0.005	<0.1	0.1	5	2	0.1	86	<0.1	<0.5	2.4	0.029
3482509	Drill Core	1.29	159	0.2	4.869	0.7	9.6	0.027	1.1	5.7	<0.005	<0.1	<0.1	8	3	<0.1	83	<0.1	0.9	3.3	0.027
3482510	Drill Core	1.09	119	0.2	4.934	0.8	10.1	0.037	1.1	6.9	<0.005	<0.1	0.2	5	1	0.2	83	<0.1	<0.5	3.4	0.032
3482511	Drill Core	1.24	135	0.4	4.950	0.7	10.5	0.026	1.0	7.6	<0.005	<0.1	0.2	6	2	0.2	87	<0.1	0.6	2.6	0.027
3482512	Drill Core	1.03	142	0.5	4.631	0.4	732.6	0.103	5.8	6.3	0.006	2.4	2.6	3	8	0.4	67	<0.1	0.9	3.9	0.016
3482513	Drill Core	1.14	118	0.3	5.099	0.7	16.4	0.063	4.3	12.0	<0.005	<0.1	0.2	4	2	4.8	69	<0.1	0.5	3.8	0.030
3482514	Drill Core	1.31	123	0.2	5.146	0.9	21.8	0.053	10.3	9.2	0.007	<0.1	0.2	6	<1	0.4	66	<0.1	<0.5	3.9	0.046
3482515	Drill Core	1.93	166	0.2	5.772	1.1	27.6	0.195	5.9	11.5	<0.005	<0.1	0.2	8	<1	0.5	76	0.1	1.2	5.4	0.047
3482516	Drill Core	1.09	128	0.1	5.419	0.7	13.5	0.051	1.9	3.6	<0.005	<0.1	0.2	5	1	0.4	64	<0.1	<0.5	2.9	0.029
3482517	Drill Core	1.03	125	0.1	5.068	0.6	11.0	0.021	1.7	4.7	<0.005	<0.1	0.2	4	1	2.0	71	<0.1	0.7	2.8	0.028
3482518	Drill Core	1.37	205	0.3	4.732	0.4	3.0	0.050	1.4	1.8	<0.005	<0.1	0.1	9	<1	0.2	63	<0.1	0.6	3.4	0.014
3482519	Drill Core	0.66	96	0.3	5.396	0.5	9.9	0.027	1.2	1.0	<0.005	<0.1	0.2	3	1	0.2	62	<0.1	<0.5	2.4	0.018
3482520	Rock Pulp	4.28	1393	0.6	2.333	3.3	97.1	0.041	2.8	3.5	<0.005	0.1	0.5	42	<1	0.6	102	0.2	1.4	0.4	0.650
3482521	Drill Core	0.65	93	0.4	5.062	0.4	8.0	0.058	1.8	1.4	<0.005	<0.1	0.2	3	1	0.1	65	<0.1	<0.5	1.8	0.018
3482522	Drill Core	1.17	236	0.3	5.080	0.5	2.8	0.083	1.6	2.8	<0.005	<0.1	0.2	7	1	0.2	68	<0.1	1.0	3.5	0.020
3482523	Drill Core	0.62	104	0.7	5.131	0.5	7.0	0.068	1.2	2.3	<0.005	<0.1	0.1	3	<1	0.2	68	<0.1	<0.5	2.6	0.018
3482524	Drill Core	0.52	91	0.8	4.939	0.3	4.9	0.027	1.1	2.5	<0.005	<0.1	0.1	2	<1	0.2	64	<0.1	<0.5	1.7	0.015
3482525	Rock	0.03	52	0.4	7.681	0.1	0.2	0.001	4.6	48.0	<0.005	<0.1	0.1	<1	1	0.9	41	<0.1	<0.5	0.2	0.002
3482526	Drill Core	0.57	91	0.3	4.682	0.4	7.6	0.031	1.1	3.9	<0.005	<0.1	0.1	3	1	0.2	64	<0.1	<0.5	1.9	0.018
3482527	Drill Core	0.55	100	0.3	4.927	0.3	4.2	0.056	1.1	0.8	<0.005	<0.1	0.1	2	2	<0.1	49	<0.1	<0.5	1.8	0.012
3482528	Drill Core	0.91	167	0.7	4.787	0.3	2.5	0.045	1.1	2.8	<0.005	<0.1	0.1	4	<1	<0.1	63	<0.1	<0.5	2.9	0.011

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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3482499	Drill Core	<0.5	1.2	35	1.2	9.4	1	76.6
3482500	Rock Pulp	<0.5	<0.1	306	1.2	21.4	82	49.3
3482501	Drill Core	<0.5	1.8	22	0.8	8.6	1	64.8
3482502	Drill Core	<0.5	1.5	34	0.6	11.8	1	94.4
3482503	Drill Core	<0.5	1.1	38	0.8	15.0	2	74.6
3482504	Drill Core	<0.5	1.7	31	1.0	8.4	3	91.6
3482505	Drill Core	<0.5	1.1	26	0.4	4.0	1	52.3
3482506	Drill Core	<0.5	0.5	23	0.4	4.9	1	52.0
3482507	Drill Core	<0.5	0.4	29	0.2	4.1	2	46.3
3482508	Drill Core	<0.5	0.6	24	0.2	3.9	2	38.6
3482509	Drill Core	<0.5	0.9	28	0.3	7.0	2	47.0
3482510	Drill Core	<0.5	1.1	22	0.6	6.2	5	41.0
3482511	Drill Core	<0.5	0.8	24	0.4	5.7	2	41.7
3482512	Drill Core	<0.5	1.5	18	0.6	7.4	5	48.3
3482513	Drill Core	<0.5	1.2	24	0.5	5.8	2	53.1
3482514	Drill Core	<0.5	1.8	35	1.0	7.5	4	54.7
3482515	Drill Core	<0.5	1.9	44	1.1	13.3	4	69.2
3482516	Drill Core	<0.5	0.6	24	0.4	5.9	2	56.8
3482517	Drill Core	<0.5	1.0	22	0.5	4.4	2	42.4
3482518	Drill Core	<0.5	0.8	19	0.3	7.9	3	38.8
3482519	Drill Core	<0.5	0.5	18	0.3	2.7	2	56.1
3482520	Rock Pulp	<0.5	0.1	307	1.1	18.4	73	47.1
3482521	Drill Core	<0.5	0.5	18	0.3	3.2	4	39.4
3482522	Drill Core	<0.5	0.8	25	0.4	8.4	2	47.4
3482523	Drill Core	<0.5	0.4	18	0.3	3.6	2	43.8
3482524	Drill Core	<0.5	0.4	12	0.3	2.2	<1	35.9
3482525	Rock	0.7	<0.1	<1	<0.1	1.8	8	19.8
3482526	Drill Core	<0.5	0.4	15	0.4	2.4	1	33.7
3482527	Drill Core	<0.5	0.5	12	0.3	2.8	1	32.7
3482528	Drill Core	<0.5	2.1	11	0.4	5.3	<1	35.9

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: November 27, 2019

CERTIFICATE OF ANALYSIS TIM19002454.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3482529	Drill Core	6.06	0.005	<0.1	5.38	17	93	1	<0.1	0.76	<0.1	20	6.4	19	8.6	0.61	1.6	<0.05	0.31	9.6	3.1
3482530	Drill Core	6.90	<0.005	<0.1	4.73	5	73	<1	<0.1	0.66	<0.1	17	2.1	13	5.3	0.45	1.0	<0.05	0.25	8.5	2.0
3482531	Drill Core	5.80	<0.005	<0.1	5.47	5	63	4	<0.1	3.08	<0.1	39	1.6	23	8.9	1.03	0.9	<0.05	0.21	18.4	1.8
3482532	Drill Core	6.60	<0.005	<0.1	4.82	4	59	<1	<0.1	1.19	<0.1	15	1.8	20	7.0	0.48	1.3	<0.05	0.26	7.3	1.6
3482533	Drill Core	5.06	0.008	<0.1	5.34	10	50	1	<0.1	2.57	<0.1	74	4.9	24	17.5	0.83	1.2	<0.05	0.26	37.7	1.9
3482534	Drill Core	4.77	0.037	<0.1	4.71	9	66	1	<0.1	1.08	<0.1	27	3.6	28	10.9	0.63	1.5	<0.05	0.29	12.6	2.8
3482535	Drill Core	5.59	<0.005	<0.1	5.42	31	93	2	<0.1	1.28	<0.1	27	14.6	55	27.3	1.00	2.3	<0.05	0.29	12.1	5.8
3482536	Drill Core	6.74	<0.005	<0.1	5.20	7	62	1	<0.1	1.19	<0.1	26	2.0	19	5.7	0.53	1.2	<0.05	0.24	12.2	2.6
3482537	Drill Core	6.42	<0.005	<0.1	5.73	17	65	1	<0.1	1.37	<0.1	25	6.5	27	15.9	0.65	1.6	<0.05	0.31	11.5	3.0
3482538	Drill Core	6.06	<0.005	<0.1	6.07	28	59	2	<0.1	1.98	<0.1	31	13.0	46	24.9	0.86	2.2	<0.05	0.35	15.8	2.7
3482539	Drill Core	5.73	<0.005	<0.1	5.77	23	52	2	<0.1	2.21	<0.1	28	11.9	43	24.2	0.81	1.8	<0.05	0.20	14.0	1.6
3482540	Rock Pulp	0.07	1.531	0.3	7.19	976	343	1	<0.1	5.59	<0.1	34	43.3	194	77.7	8.39	2.8	<0.05	0.67	18.6	9.7
3482541	Drill Core	6.03	0.006	<0.1	5.52	9	45	1	<0.1	1.51	<0.1	26	4.5	21	6.1	0.60	1.6	<0.05	0.15	13.1	1.5
3482542	Drill Core	5.93	0.010	<0.1	5.61	15	46	2	<0.1	1.37	<0.1	32	18.6	26	11.8	0.87	1.5	<0.05	0.21	16.4	1.9
3482543	Drill Core	5.73	0.009	<0.1	5.89	11	36	3	<0.1	1.56	<0.1	32	12.7	30	12.6	1.04	2.1	<0.05	0.19	15.6	2.6
3482544	Drill Core	6.02	0.014	<0.1	5.64	19	52	2	<0.1	1.72	<0.1	24	11.8	28	12.6	0.61	1.6	<0.05	0.17	11.8	1.5

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: November 27, 2019

CERTIFICATE OF ANALYSIS TIM19002454.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3482529	Drill Core	0.73	83	0.4	5.059	0.5	13.9	0.032	1.4	4.6	<0.005	<0.1	0.1	4	<1	0.2	85	<0.1	<0.5	3.0	0.023
3482530	Drill Core	0.56	63	0.3	4.851	0.3	7.2	0.016	1.3	2.6	<0.005	<0.1	0.1	3	<1	0.1	72	<0.1	<0.5	1.5	0.015
3482531	Drill Core	1.75	426	0.3	4.688	0.4	5.9	0.035	2.3	4.7	<0.005	<0.1	0.2	10	<1	1.1	76	<0.1	<0.5	3.4	0.014
3482532	Drill Core	0.66	119	0.3	5.246	0.6	6.0	0.022	1.5	2.2	<0.005	<0.1	<0.1	3	<1	0.1	62	<0.1	<0.5	2.2	0.021
3482533	Drill Core	1.56	324	0.2	4.903	0.7	9.1	0.030	1.6	3.8	<0.005	<0.1	<0.1	8	1	0.2	66	<0.1	0.8	3.5	0.021
3482534	Drill Core	0.82	136	0.4	5.205	0.8	10.2	0.027	1.3	2.3	<0.005	<0.1	0.2	4	<1	0.3	58	<0.1	<0.5	2.4	0.029
3482535	Drill Core	1.37	105	0.3	6.085	1.1	27.0	0.041	2.3	2.5	<0.005	<0.1	0.1	9	<1	0.3	73	0.1	0.5	3.7	0.056
3482536	Drill Core	0.91	101	0.3	4.997	0.5	7.6	0.029	1.4	4.7	<0.005	<0.1	<0.1	4	<1	0.1	78	<0.1	<0.5	2.5	0.022
3482537	Drill Core	1.12	103	0.4	5.075	0.8	15.4	0.033	5.4	8.4	<0.005	<0.1	0.1	4	1	0.3	90	<0.1	<0.5	3.7	0.033
3482538	Drill Core	1.47	136	0.6	5.355	1.4	24.6	0.042	9.2	12.2	<0.005	<0.1	0.2	6	<1	0.4	85	0.2	<0.5	5.2	0.059
3482539	Drill Core	1.33	181	0.3	5.198	1.3	18.1	0.052	3.6	4.9	0.008	<0.1	0.2	6	1	0.4	80	0.2	0.7	5.0	0.046
3482540	Rock Pulp	3.94	1887	2.1	2.113	18.2	142.9	0.170	4.8	19.6	<0.005	0.7	1.9	18	<1	1.4	344	1.1	1.4	3.0	0.908
3482541	Drill Core	0.97	155	0.2	5.189	0.7	8.7	0.027	1.4	3.1	<0.005	<0.1	0.1	4	<1	0.2	75	<0.1	<0.5	3.0	0.024
3482542	Drill Core	1.14	161	0.2	4.867	0.5	23.7	0.025	1.4	5.6	<0.005	0.1	0.2	5	<1	<0.1	79	<0.1	0.6	3.6	0.024
3482543	Drill Core	1.24	196	0.3	5.126	0.8	14.0	0.048	2.8	3.0	<0.005	0.1	0.2	5	<1	0.2	70	<0.1	<0.5	4.5	0.028
3482544	Drill Core	0.98	147	0.2	5.069	0.7	11.4	0.031	1.3	4.7	0.008	<0.1	0.3	5	<1	0.2	78	<0.1	0.5	4.1	0.032

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: November 27, 2019

CERTIFICATE OF ANALYSIS TIM19002454.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3482529	Drill Core	<0.5	1.4	26	0.4	2.4	3	51.2
3482530	Drill Core	<0.5	0.4	15	0.2	1.7	3	33.7
3482531	Drill Core	<0.5	7.9	36	0.5	17.4	4	33.1
3482532	Drill Core	<0.5	0.7	18	0.7	3.0	2	46.0
3482533	Drill Core	<0.5	2.2	24	1.1	8.9	3	47.2
3482534	Drill Core	<0.5	2.2	26	1.0	3.8	3	55.2
3482535	Drill Core	<0.5	1.4	60	1.8	6.7	14	85.4
3482536	Drill Core	<0.5	0.9	16	0.7	3.8	2	44.5
3482537	Drill Core	<0.5	1.7	23	0.7	7.2	18	59.2
3482538	Drill Core	<0.5	1.9	36	2.6	8.4	10	83.7
3482539	Drill Core	<0.5	2.4	26	3.1	8.0	13	75.5
3482540	Rock Pulp	<0.5	0.8	158	1.3	18.4	106	122.8
3482541	Drill Core	<0.5	1.2	17	1.3	4.9	2	54.9
3482542	Drill Core	<0.5	1.1	22	1.0	5.7	3	52.6
3482543	Drill Core	<0.5	2.6	23	1.7	7.3	5	78.6
3482544	Drill Core	<0.5	1.7	20	1.4	5.3	2	55.3

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Project: SPJ
Report Date: November 27, 2019

QUALITY CONTROL REPORT TIM19002454.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
Pulp Duplicates																					
3482421	Drill Core	5.18	<0.005	<0.1	6.87	7	46	2	<0.1	1.89	<0.1	41	10.3	20	1.8	0.77	1.6	<0.05	0.23	19.9	1.9
REP 3482421	QC		<0.005																		
3482440	Rock Pulp	0.07	0.525	0.2	7.27	5	143	<1	<0.1	7.13	<0.1	10	45.7	173	146.6	7.93	1.8	0.08	0.20	4.0	12.8
REP 3482440	QC			0.2	7.10	5	143	<1	<0.1	7.10	<0.1	10	47.2	164	148.5	7.98	1.5	0.08	0.19	3.9	11.1
3482455	Drill Core	5.46	<0.005	<0.1	5.23	9	83	3	<0.1	0.52	<0.1	37	5.0	36	1.8	0.89	2.6	<0.05	0.42	15.8	5.4
REP 3482455	QC		<0.005																		
REP 3482503	QC		0.026																		
3482510	Drill Core	4.29	<0.005	<0.1	5.78	14	56	2	<0.1	1.47	<0.1	28	6.1	24	13.0	0.63	1.3	<0.05	0.18	12.3	2.7
REP 3482510	QC			<0.1	5.80	13	57	2	<0.1	1.47	<0.1	30	5.9	23	12.8	0.61	1.3	<0.05	0.19	13.0	3.0
3482543	Drill Core	5.73	0.009	<0.1	5.89	11	36	3	<0.1	1.56	<0.1	32	12.7	30	12.6	1.04	2.1	<0.05	0.19	15.6	2.6
REP 3482543	QC		0.006	<0.1	5.82	11	33	2	<0.1	1.58	<0.1	28	14.2	31	12.2	1.02	2.0	<0.05	0.18	14.2	2.2
3482544	Drill Core	6.02	0.014	<0.1	5.64	19	52	2	<0.1	1.72	<0.1	24	11.8	28	12.6	0.61	1.6	<0.05	0.17	11.8	1.5
REP 3482544	QC		0.010																		
Core Reject Duplicates																					
3482435	Drill Core	4.95	<0.005	<0.1	6.81	13	102	2	<0.1	1.51	<0.1	53	4.6	20	1.4	0.63	1.4	<0.05	0.50	24.5	1.9
DUP 3482435	QC		<0.005	<0.1	6.68	15	105	2	<0.1	1.50	<0.1	45	4.6	21	1.3	0.64	1.3	<0.05	0.51	21.0	1.6
3482469	Drill Core	2.43	0.011	<0.1	6.65	31	48	4	0.2	3.41	<0.1	25	23.5	43	36.5	1.22	2.4	<0.05	0.46	10.4	2.8
DUP 3482469	QC		0.027	<0.1	6.77	30	51	3	0.3	3.18	<0.1	22	23.8	41	36.0	1.13	2.8	<0.05	0.48	9.2	2.7
3482503	Drill Core	5.05	0.031	<0.1	6.05	17	52	5	<0.1	3.30	<0.1	69	7.9	41	9.8	0.91	2.0	<0.05	0.23	32.2	2.5
DUP 3482503	QC		0.033	<0.1	5.98	18	49	3	<0.1	3.09	<0.1	65	8.3	40	11.2	0.88	2.5	<0.05	0.23	29.1	2.7
3482537	Drill Core	6.42	<0.005	<0.1	5.73	17	65	1	<0.1	1.37	<0.1	25	6.5	27	15.9	0.65	1.6	<0.05	0.31	11.5	3.0
DUP 3482537	QC		<0.005	<0.1	5.68	14	61	1	<0.1	1.38	<0.1	26	5.5	26	15.5	0.66	1.6	<0.05	0.31	11.8	3.2
Reference Materials																					
STD OREAS25A-4A	Standard			<0.1	9.24	11	147	<1	1.4	0.30	<0.1	49	7.7	114	34.7	6.71	4.1	0.09	0.49	21.8	37.2
STD OREAS25A-4A	Standard			<0.1	8.66	9	139	<1	0.6	0.27	<0.1	45	7.6	112	33.9	6.42	4.2	0.07	0.48	19.8	38.5
STD OREAS25A-4A	Standard			<0.1	8.44	10	139	1	0.4	0.26	<0.1	43	7.4	114	33.9	6.43	4.5	0.12	0.46	18.0	36.2
STD OREAS25A-4A	Standard			<0.1	8.43	8	134	<1	0.3	0.27	<0.1	42	7.0	113	32.2	6.20	3.6	0.06	0.44	19.1	35.7
STD OREAS25A-4A	Standard			<0.1	8.20	10	142	<1	0.3	0.25	<0.1	41	7.8	118	33.7	6.41	4.1	0.10	0.46	18.1	37.9

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QUALITY CONTROL REPORT TIM19002454.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
Pulp Duplicates																					
3482421	Drill Core	1.07	180	0.8	5.454	0.9	11.3	0.041	1.5	6.1	<0.005	0.1	<0.1	4	2	0.2	132	<0.1	<0.5	4.0	0.031
REP 3482421	QC																				
3482440	Rock Pulp	4.21	1462	0.7	2.203	3.6	92.5	0.039	3.0	3.6	0.008	0.1	0.5	44	<1	0.7	116	0.2	2.9	0.4	0.670
REP 3482440	QC	4.16	1447	0.5	2.176	3.4	93.6	0.040	3.0	3.6	<0.005	0.1	0.5	44	<1	0.6	119	0.2	1.2	0.4	0.677
3482455	Drill Core	1.08	61	0.6	5.002	1.2	26.0	0.043	1.5	4.2	<0.005	<0.1	0.1	5	<1	0.3	110	0.1	<0.5	3.1	0.045
REP 3482455	QC																				
REP 3482503	QC																				
3482510	Drill Core	1.09	119	0.2	4.934	0.8	10.1	0.037	1.1	6.9	<0.005	<0.1	0.2	5	1	0.2	83	<0.1	<0.5	3.4	0.032
REP 3482510	QC	1.07	118	0.3	4.964	0.8	10.0	0.040	1.2	6.7	<0.005	<0.1	0.1	5	<1	0.2	82	<0.1	<0.5	3.4	0.030
3482543	Drill Core	1.24	196	0.3	5.126	0.8	14.0	0.048	2.8	3.0	<0.005	0.1	0.2	5	<1	0.2	70	<0.1	<0.5	4.5	0.028
REP 3482543	QC	1.22	195	0.3	5.084	0.7	13.8	0.048	2.6	3.0	<0.005	0.1	0.2	5	<1	0.1	68	<0.1	<0.5	4.7	0.027
3482544	Drill Core	0.98	147	0.2	5.069	0.7	11.4	0.031	1.3	4.7	0.008	<0.1	0.3	5	<1	0.2	78	<0.1	0.5	4.1	0.032
REP 3482544	QC																				
Core Reject Duplicates																					
3482435	Drill Core	0.93	118	0.7	5.081	0.7	12.9	0.028	1.5	16.3	<0.005	<0.1	0.1	5	1	0.2	151	<0.1	<0.5	3.3	0.028
DUP 3482435	QC	0.92	114	0.6	5.126	0.7	13.6	0.026	1.5	16.2	<0.005	<0.1	0.1	5	<1	0.3	153	<0.1	<0.5	3.3	0.029
3482469	Drill Core	2.22	291	<0.1	5.550	1.5	24.2	0.054	1.6	10.4	<0.005	0.1	0.2	11	<1	0.5	75	0.1	1.2	5.3	0.059
DUP 3482469	QC	2.11	276	0.1	5.771	1.5	22.9	0.055	1.4	9.3	<0.005	0.1	0.2	9	<1	0.3	71	0.1	0.9	4.8	0.057
3482503	Drill Core	1.95	269	0.9	5.004	1.2	20.1	0.043	1.4	4.1	0.006	<0.1	0.1	11	1	0.2	87	0.1	1.0	4.8	0.044
DUP 3482503	QC	1.86	252	0.8	4.768	1.1	22.9	0.043	1.3	3.7	<0.005	<0.1	0.2	11	1	0.2	85	0.1	0.8	4.4	0.040
3482537	Drill Core	1.12	103	0.4	5.075	0.8	15.4	0.033	5.4	8.4	<0.005	<0.1	0.1	4	1	0.3	90	<0.1	<0.5	3.7	0.033
DUP 3482537	QC	1.10	108	0.4	5.005	0.9	15.7	0.031	5.2	8.5	<0.005	<0.1	0.2	4	<1	0.2	89	<0.1	<0.5	3.7	0.036
Reference Materials																					
STD OREAS25A-4A	Standard	0.31	483	2.2	0.141	19.1	47.2	0.050	24.1	59.7	<0.005	<0.1	0.5	13	1	3.6	48	1.4	<0.5	14.7	0.898
STD OREAS25A-4A	Standard	0.31	494	2.3	0.136	20.2	44.2	0.045	24.2	59.0	<0.005	<0.1	0.5	12	3	3.9	47	1.4	<0.5	14.6	0.889
STD OREAS25A-4A	Standard	0.29	491	2.4	0.137	21.2	45.1	0.047	24.1	54.9	<0.005	<0.1	0.5	11	4	3.8	46	1.4	<0.5	14.0	0.945
STD OREAS25A-4A	Standard	0.32	450	2.2	0.140	17.5	44.8	0.044	22.7	54.5	<0.005	<0.1	0.5	11	4	3.4	39	1.3	<0.5	13.6	0.844
STD OREAS25A-4A	Standard	0.29	491	2.5	0.133	19.9	47.2	0.051	24.8	52.6	<0.005	<0.1	0.6	12	3	3.9	41	1.4	<0.5	13.6	0.908

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: November 27, 2019

QUALITY CONTROL REPORT TIM19002454.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
Pulp Duplicates								
3482421	Drill Core	<0.5	1.1	23	0.5	5.7	<1	59.1
REP 3482421	QC							
3482440	Rock Pulp	<0.5	0.1	322	1.2	22.0	82	54.5
REP 3482440	QC	<0.5	0.1	323	1.2	22.4	85	55.5
3482455	Drill Core	<0.5	0.9	52	0.3	4.1	4	83.8
REP 3482455	QC							
REP 3482503	QC							
3482510	Drill Core	<0.5	1.1	22	0.6	6.2	5	41.0
REP 3482510	QC	<0.5	1.1	22	0.6	6.1	1	44.3
3482543	Drill Core	<0.5	2.6	23	1.7	7.3	5	78.6
REP 3482543	QC	<0.5	2.6	22	1.5	6.7	3	73.6
3482544	Drill Core	<0.5	1.7	20	1.4	5.3	2	55.3
REP 3482544	QC							
Core Reject Duplicates								
3482435	Drill Core	<0.5	2.0	29	0.4	5.8	2	45.2
DUP 3482435	QC	<0.5	1.9	29	0.4	5.5	2	45.5
3482469	Drill Core	<0.5	0.9	42	1.9	18.3	2	92.9
DUP 3482469	QC	<0.5	1.1	41	1.7	16.7	3	97.1
3482503	Drill Core	<0.5	1.1	38	0.8	15.0	2	74.6
DUP 3482503	QC	<0.5	1.2	38	0.7	14.2	2	75.0
3482537	Drill Core	<0.5	1.7	23	0.7	7.2	18	59.2
DUP 3482537	QC	<0.5	1.8	22	0.7	7.0	15	57.3
Reference Materials								
STD OREAS25A-4A	Standard	<0.5	2.6	152	1.8	10.3	45	149.0
STD OREAS25A-4A	Standard	<0.5	2.6	151	1.8	10.4	47	154.6
STD OREAS25A-4A	Standard	<0.5	2.6	152	1.8	10.4	46	155.6
STD OREAS25A-4A	Standard	<0.5	2.4	147	1.8	8.2	41	136.4
STD OREAS25A-4A	Standard	<0.5	2.7	159	1.8	8.5	43	145.7

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: November 27, 2019

QUALITY CONTROL REPORT TIM19002454.1

		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
STD OREAS45E	Standard			0.3	7.05	18	255	<1	0.3	0.06	<0.1	25	59.7	1059	778.7	25.53	2.8	0.09	0.35	11.3	6.7
STD OREAS45H	Standard			0.1	8.03	17	321	<1	0.2	0.14	<0.1	24	89.4	643	763.9	19.45	3.2	0.18	0.20	12.4	13.9
STD OREAS45E	Standard			0.3	6.66	16	238	<1	0.3	0.06	<0.1	24	56.0	968	743.3	24.00	2.8	0.14	0.33	10.1	6.4
STD OREAS45H	Standard			0.1	8.05	16	331	1	0.2	0.14	<0.1	23	88.2	665	776.2	19.94	3.0	0.12	0.21	12.7	12.7
STD OREAS45E	Standard			0.3	7.00	16	241	<1	0.2	0.06	<0.1	24	59.2	985	780.5	24.03	2.7	0.13	0.34	10.7	6.2
STD OXC145	Standard		0.207																		
STD OXC145	Standard		0.206																		
STD OXC145	Standard		0.210																		
STD OXH139	Standard		1.296																		
STD OXH139	Standard		1.257																		
STD OXH139	Standard		1.266																		
STD OXN134	Standard		7.487																		
STD OXN134	Standard		7.541																		
STD OXN134	Standard		7.422																		
STD OREAS45H Expected				0.147	7.99	16.9	332	1.09	0.17	0.135		23.6	88	602	767	19.52	3.6	0.1	0.205	12.4	13.1
STD OREAS25A-4A Expected					8.87	9.94	147	0.93	0.37	0.301		47.3	7.7	115	33.9	6.6	4.14	0.09	0.482	21.8	36.7
STD OREAS45E Expected				0.311	6.78	16.3	252		0.28	0.065	0.06	23.5	57	979	780	24.12	3.11	0.099	0.324	11	6.58
STD OXC145 Expected			0.212																		
STD OXN134 Expected			7.667																		
STD OXH139 Expected			1.312																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	0.2	<0.01	<0.1	<0.05	<0.01	<0.1	0.2
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	0.3	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	0.8	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: November 27, 2019

QUALITY CONTROL REPORT TIM19002454.1

		MA200 Mg % 0.01	MA200 Mn ppm 1	MA200 Mo ppm 0.1	MA200 Na % 0.001	MA200 Nb ppm 0.1	MA200 Ni ppm 0.1	MA200 P % 0.001	MA200 Pb ppm 0.1	MA200 Rb ppm 0.1	MA200 Re ppm 0.005	MA200 S % 0.1	MA200 Sb ppm 0.1	MA200 Sc ppm 1	MA200 Se ppm 1	MA200 Sn ppm 0.1	MA200 Sr ppm 1	MA200 Ta ppm 0.1	MA200 Te ppm 0.5	MA200 Th ppm 0.1	MA200 Ti % 0.001
STD OREAS45E	Standard	0.15	556	2.1	0.054	6.2	464.6	0.033	17.6	21.2	<0.005	<0.1	1.0	94	2	1.4	17	0.5	<0.5	12.3	0.539
STD OREAS45H	Standard	0.23	402	1.4	0.088	14.3	428.0	0.020	11.4	23.1	<0.005	<0.1	0.6	57	3	1.7	29	0.9	<0.5	6.8	0.873
STD OREAS45E	Standard	0.14	546	2.3	0.055	6.2	443.8	0.032	16.6	20.7	<0.005	<0.1	0.9	92	3	1.0	16	0.5	<0.5	11.7	0.524
STD OREAS45H	Standard	0.27	386	1.3	0.103	12.8	443.9	0.022	11.9	22.1	<0.005	<0.1	0.6	56	1	1.9	26	0.8	<0.5	6.8	0.835
STD OREAS45E	Standard	0.14	538	2.4	0.059	5.9	485.8	0.032	16.8	20.1	<0.005	<0.1	1.0	90	3	1.1	15	0.5	<0.5	11.2	0.541
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OREAS45H Expected		0.238	380	1.55	0.09	14.8	423	0.023	11.9	22.5			0.63	57	2.02	1.93	27.1	1.08		7.26	0.878
STD OREAS25A-4A Expected		0.327	480	2.41	0.131	20.9	45.8	0.048	25.2	61		0.047	0.65	13.7	2.4	4.06	48.5	1.4		15.8	0.93
STD OREAS45E Expected		0.156	570	2.4	0.059	6.8	454	0.034	18.2	21.2		0.046	1	93	2.97	1.32	15.9	0.54	0.1	12.9	0.559
STD OXC145 Expected																					
STD OXN134 Expected																					
STD OXH139 Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<1	<0.1	0.002	<0.1	0.1	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	2	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.003	<0.1	<0.1	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.003	<0.1	<0.1	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	3	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.002	<0.1	<0.1	<0.001	<0.1	0.3	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	<0.001	<0.1	0.2	<0.001	<0.1	0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001

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Client: **MacDonald Mines Exploration Ltd.**
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Toronto Ontario M5J 1H8 Canada

Project: SPJ
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QUALITY CONTROL REPORT TIM19002454.1

		MA200 Tl ppm 0.5	MA200 U ppm 0.1	MA200 V ppm 1	MA200 W ppm 0.1	MA200 Y ppm 0.1	MA200 Zn ppm 1	MA200 Zr ppm 0.1
STD OREAS45E	Standard	<0.5	2.4	332	1.0	8.0	47	104.3
STD OREAS45H	Standard	<0.5	1.6	264	0.9	10.6	41	125.3
STD OREAS45E	Standard	<0.5	2.2	319	0.9	8.1	47	91.8
STD OREAS45H	Standard	<0.5	1.5	270	0.8	8.7	39	115.0
STD OREAS45E	Standard	<0.5	2.2	328	1.1	7.6	45	90.0
STD OXC145	Standard							
STD OXC145	Standard							
STD OXC145	Standard							
STD OXH139	Standard							
STD OXH139	Standard							
STD OXH139	Standard							
STD OXN134	Standard							
STD OXN134	Standard							
STD OXN134	Standard							
STD OREAS45H Expected			1.68	263	0.99	10.4	39.7	131
STD OREAS25A-4A Expected		0.35	2.94	157	2	10.5	44.4	155
STD OREAS45E Expected		0.15	2.41	322	1.07	8.28	46.7	97
STD OXC145 Expected								
STD OXN134 Expected								
STD OXH139 Expected								
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1

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QUALITY CONTROL REPORT TIM19002454.1

		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
Prep Wash																					
ROCK-TIM	Prep Blank		<0.005	<0.1	6.73	2	807	<1	0.3	1.47	<0.1	20	4.5	3	5.0	2.13	1.7	0.08	1.53	9.3	1.6
ROCK-TIM	Prep Blank		<0.005	<0.1	7.01	2	844	<1	0.1	1.55	<0.1	23	4.5	3	4.5	2.12	1.7	<0.05	1.63	10.3	1.7

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		MA200 Mg % 0.01	MA200 Mn ppm 1	MA200 Mo ppm 0.1	MA200 Na % 0.001	MA200 Nb ppm 0.1	MA200 Ni ppm 0.1	MA200 P % 0.001	MA200 Pb ppm 0.1	MA200 Rb ppm 0.1	MA200 Re ppm 0.005	MA200 S % 0.1	MA200 Sb ppm 0.1	MA200 Sc ppm 1	MA200 Se ppm 1	MA200 Sn ppm 0.1	MA200 Sr ppm 1	MA200 Ta ppm 0.1	MA200 Te ppm 0.5	MA200 Th ppm 0.1	MA200 Ti % 0.001
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-TIM	Prep Blank	0.54	683	1.1	3.293	5.3	1.4	0.036	2.4	27.0	<0.005	<0.1	0.1	6	<1	0.6	199	0.4	<0.5	2.3	0.194
ROCK-TIM	Prep Blank	0.55	678	1.1	3.397	5.2	1.4	0.038	2.3	27.0	<0.005	<0.1	<0.1	7	<1	0.6	207	0.4	<0.5	2.4	0.195

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Bureau Veritas Commodities Canada Ltd.

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: November 27, 2019

QUALITY CONTROL REPORT TIM19002454.1

		MA200 Tl ppm 0.5	MA200 U ppm 0.1	MA200 V ppm 1	MA200 W ppm 0.1	MA200 Y ppm 0.1	MA200 Zn ppm 1	MA200 Zr ppm 0.1
BLK	Blank							
BLK	Blank							
Prep Wash								
ROCK-TIM	Prep Blank	<0.5	1.0	35	0.3	14.6	38	50.6
ROCK-TIM	Prep Blank	<0.5	1.0	37	0.3	15.0	35	51.5

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BUREAU VERITAS
MINERAL LABORATORIES
Canada

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By: Quentin Yarie
Receiving Lab: Canada-Timmins
Received: November 12, 2019
Report Date: December 02, 2019

CERTIFICATE OF ANALYSIS TIM19002556.1

CLIENT JOB INFORMATION

Project: SPJ
Shipment ID:
P.O. Number
Number of Samples: 86

SAMPLE DISPOSAL

RTRN-PLP Return After 90 days
RTRN-RJT Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP85-500	82	Crush split and pulverize 250g of sample to 200mesh			TIM
SHP01	86	Per sample shipping charges for branch shipments			TIM
SLBHP	4	Sort, label and box pulps			TIM
FA450	84	50g Lead Collection Fire Assay Fusion - AAS Finish	50	Completed	TIM
EN002	86	Environmental disposal charge-Fire assay lead waste			TIM
MA200	86	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
EN001-MA	86	Environmental disposal fee - Multi-acid neutralization			VAN
PULSW	2	Extra Wash with Silica between each sample			TIM
CRUBW	2	Extra clean rock wash between samples in crusher		Completed	TIM
FA550	1	Lead collection fire assay 50G fusion - Grav finish	50	Completed	TIM

ADDITIONAL COMMENTS

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC:

MAY LAI
Data Validation Specialist

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All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 02, 2019

CERTIFICATE OF ANALYSIS TIM19002556.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3482545	Drill Core	5.83	0.012	<0.1	6.56	23	61	2	<0.1	1.72	<0.1	24	13.2	25	19.9	0.70	1.5	<0.05	0.22	12.3	1.7
3482546	Drill Core	5.24	<0.005	<0.1	6.16	22	61	2	<0.1	1.76	<0.1	21	10.2	26	22.5	0.75	1.4	<0.05	0.23	10.6	2.0
3482547	Drill Core	5.88	<0.005	<0.1	5.70	10	47	1	<0.1	2.90	<0.1	33	4.2	18	6.1	0.71	1.1	<0.05	0.17	16.1	0.9
3482548	Drill Core	4.90	0.008	<0.1	6.09	35	42	1	<0.1	3.52	<0.1	38	13.7	28	16.2	1.25	1.4	<0.05	0.18	18.6	1.8
3482549	Drill Core	5.68	0.009	<0.1	5.94	71	38	2	<0.1	2.29	<0.1	27	21.1	19	181.5	0.72	1.2	<0.05	0.15	13.9	0.8
3482550	Rock	0.20	<0.005	<0.1	9.08	1	42	<1	<0.1	0.22	<0.1	1	<0.2	1	1.9	0.35	0.3	<0.05	2.99	0.6	21.0
3482551	Drill Core	6.00	0.011	<0.1	5.92	112	44	2	<0.1	2.31	<0.1	49	29.9	27	212.6	0.76	1.0	<0.05	0.17	24.9	1.4
3482552	Drill Core	5.23	0.006	<0.1	6.27	45	59	1	<0.1	1.99	<0.1	38	15.9	33	35.8	0.86	1.6	<0.05	0.24	18.1	2.3
3482553	Drill Core	6.00	0.006	<0.1	6.15	73	48	2	<0.1	1.71	<0.1	37	27.4	27	80.7	0.71	1.4	<0.05	0.19	18.5	2.0
3482554	Drill Core	5.64	0.012	<0.1	6.10	148	45	1	<0.1	1.67	<0.1	29	57.0	23	230.5	0.64	1.1	<0.05	0.17	14.5	1.1
3482555	Drill Core	6.93	0.008	<0.1	5.31	66	48	1	<0.1	1.23	<0.1	17	27.4	25	54.1	0.70	1.2	<0.05	0.19	7.8	1.9
3482556	Drill Core	4.15	0.012	<0.1	6.22	41	37	2	<0.1	1.77	<0.1	30	18.9	26	33.3	0.66	1.8	<0.05	0.14	13.9	0.7
3482557	Drill Core	2.94	<0.005	<0.1	6.13	15	61	1	<0.1	1.19	<0.1	13	6.8	26	31.2	0.71	1.3	<0.05	0.26	5.8	2.8
3482558	Drill Core	3.84	0.045	<0.1	5.79	309	52	2	0.9	2.34	<0.1	36	81.0	34	164.3	1.74	1.4	<0.05	0.20	17.6	1.5
3482559	Drill Core	2.95	<0.005	<0.1	5.72	7	51	1	<0.1	0.96	<0.1	14	2.7	31	8.4	0.73	1.5	<0.05	0.25	6.0	4.6
3482560	Rock Pulp	0.07	5.389	0.9	6.31	24	202	<1	0.3	5.30	0.2	11	45.2	277	131.9	7.23	1.5	<0.05	0.47	4.8	17.9
3482561	Drill Core	3.32	<0.005	<0.1	4.81	8	72	2	<0.1	0.62	<0.1	18	2.8	25	10.8	0.70	1.2	<0.05	0.24	7.7	2.8
3482562	Drill Core	2.79	>10	1.4	5.28	114	44	2	0.9	0.50	<0.1	66	89.7	25	129.7	4.12	1.2	<0.05	0.25	29.9	3.5
3482563	Drill Core	4.67	0.005	<0.1	5.55	12	76	2	<0.1	0.64	<0.1	14	6.2	33	16.7	0.86	1.8	<0.05	0.29	6.1	4.0
3482564	Drill Core	4.34	0.114	<0.1	5.75	15	79	2	0.1	0.74	<0.1	17	9.7	49	4.5	1.23	2.0	<0.05	0.24	7.5	3.9
3482565	Drill Core	4.99	<0.005	<0.1	5.47	6	60	1	<0.1	0.62	<0.1	15	3.0	27	5.2	0.76	1.6	<0.05	0.21	6.8	3.2
3482566	Drill Core	3.13	<0.005	<0.1	5.68	10	83	<1	<0.1	0.59	<0.1	9	7.6	48	8.7	1.11	2.0	<0.05	0.23	3.9	3.4
3482567	Drill Core	3.35	4.179	<0.1	5.72	2	44	1	<0.1	0.65	<0.1	13	6.3	66	21.5	3.39	2.4	<0.05	0.13	5.5	3.4
3482568	Drill Core	3.89	0.039	<0.1	5.31	5	49	1	<0.1	1.03	<0.1	13	3.7	40	5.5	1.10	1.8	<0.05	0.16	6.1	2.4
3482569	Drill Core	4.53	<0.005	<0.1	5.32	15	69	2	<0.1	0.91	<0.1	29	7.7	30	13.6	0.95	1.5	<0.05	0.25	12.3	3.0
3482570	Drill Core	3.24	<0.005	<0.1	5.64	6	86	1	<0.1	0.58	<0.1	10	4.9	36	9.6	1.19	2.0	<0.05	0.27	4.5	3.3
3482571	Drill Core	2.69		<0.1	4.83	3	47	1	<0.1	0.31	<0.1	8	5.7	39	11.9	3.53	1.8	0.05	0.11	3.7	2.5
3482572	Drill Core	4.10	0.062	<0.1	5.60	3	56	2	<0.1	0.34	<0.1	26	6.1	46	5.0	4.83	1.9	0.07	0.13	13.0	4.1
3482573	Rock	0.21	<0.005	<0.1	7.69	1	48	<1	<0.1	0.19	<0.1	1	<0.2	2	1.4	0.31	0.4	<0.05	3.84	0.5	21.5
3482574	Drill Core	3.69	<0.005	<0.1	5.45	4	42	2	<0.1	0.70	<0.1	29	3.2	42	2.7	1.97	1.9	<0.05	0.16	13.8	4.3

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Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 02, 2019

CERTIFICATE OF ANALYSIS TIM19002556.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3482545	Drill Core	1.13	138	0.3	5.310	0.7	16.0	0.049	2.5	5.1	<0.005	<0.1	0.1	5	<1	1.9	94	<0.1	<0.5	3.7	0.028
3482546	Drill Core	1.18	143	0.3	5.028	0.7	19.7	0.044	1.5	5.6	<0.005	<0.1	0.1	6	1	0.4	87	<0.1	<0.5	3.8	0.027
3482547	Drill Core	1.50	206	0.3	5.110	0.6	8.0	0.055	1.0	1.9	0.005	<0.1	<0.1	8	<1	0.2	74	<0.1	0.7	2.9	0.023
3482548	Drill Core	2.10	360	0.3	4.799	0.7	28.0	0.046	1.3	3.0	<0.005	0.1	0.2	13	<1	0.1	86	<0.1	0.5	3.6	0.021
3482549	Drill Core	1.14	177	0.2	5.113	0.5	43.7	0.053	1.3	2.3	<0.005	0.1	0.2	6	<1	0.2	69	<0.1	<0.5	3.2	0.018
3482550	Rock	0.03	49	0.5	7.151	0.1	0.5	0.001	4.4	42.5	<0.005	<0.1	0.1	<1	<1	0.2	50	<0.1	<0.5	0.3	0.002
3482551	Drill Core	1.28	184	0.3	5.121	0.6	72.0	0.057	1.5	3.3	<0.005	0.1	0.1	6	1	0.2	80	<0.1	<0.5	3.9	0.024
3482552	Drill Core	1.35	148	0.2	5.025	0.9	39.3	0.039	1.7	6.1	<0.005	0.1	0.2	7	<1	0.3	91	<0.1	<0.5	4.4	0.035
3482553	Drill Core	1.14	132	0.4	5.081	0.6	40.9	0.031	1.6	5.4	<0.005	<0.1	0.1	5	<1	0.1	81	<0.1	<0.5	3.2	0.027
3482554	Drill Core	0.93	132	0.4	5.115	0.5	98.8	0.039	2.5	3.2	<0.005	0.1	0.3	4	1	0.2	77	<0.1	<0.5	3.2	0.021
3482555	Drill Core	0.93	109	0.3	5.389	0.5	44.3	0.034	1.4	1.1	<0.005	0.1	0.2	4	<1	0.1	71	<0.1	<0.5	2.2	0.021
3482556	Drill Core	0.90	139	0.3	5.502	0.6	95.7	0.058	2.3	2.6	<0.005	0.2	0.3	4	1	0.3	59	<0.1	<0.5	4.2	0.024
3482557	Drill Core	1.16	86	0.2	5.300	0.6	22.1	0.036	0.9	3.9	<0.005	<0.1	0.1	4	<1	0.1	82	<0.1	<0.5	3.2	0.025
3482558	Drill Core	1.22	179	0.4	5.207	0.5	386.2	0.121	4.3	2.9	<0.005	1.3	1.8	6	4	0.1	78	<0.1	<0.5	4.2	0.021
3482559	Drill Core	1.47	75	<0.1	5.003	0.7	17.6	0.034	1.1	2.6	<0.005	<0.1	<0.1	5	<1	0.1	81	<0.1	0.7	2.7	0.035
3482560	Rock Pulp	3.96	1219	2.8	1.850	2.9	121.6	0.040	15.6	13.1	0.006	0.4	0.4	33	<1	0.6	102	0.2	1.1	0.9	0.579
3482561	Drill Core	0.93	69	0.3	5.089	0.5	14.0	0.022	4.3	1.0	<0.005	<0.1	0.4	4	<1	2.6	80	<0.1	<0.5	1.8	0.025
3482562	Drill Core	1.20	94	0.3	4.882	0.5	163.6	0.026	5.1	0.8	<0.005	3.0	0.6	7	6	0.3	50	<0.1	0.7	2.1	0.024
3482563	Drill Core	1.25	88	0.3	5.121	0.7	23.8	0.032	1.1	2.3	<0.005	<0.1	<0.1	5	<1	<0.1	83	<0.1	<0.5	3.2	0.038
3482564	Drill Core	1.18	112	0.2	5.443	0.8	23.7	0.040	1.0	1.0	<0.005	<0.1	<0.1	6	<1	0.2	67	<0.1	<0.5	3.4	0.036
3482565	Drill Core	1.23	89	0.3	4.786	0.5	17.9	0.030	0.9	1.6	<0.005	<0.1	<0.1	4	<1	<0.1	82	<0.1	<0.5	2.7	0.027
3482566	Drill Core	1.41	106	0.3	5.174	0.7	24.0	0.037	0.9	2.1	<0.005	<0.1	<0.1	6	<1	0.2	84	<0.1	<0.5	3.1	0.040
3482567	Drill Core	1.43	193	0.4	4.434	1.9	9.5	0.062	2.9	0.5	<0.005	0.2	0.1	9	<1	0.1	52	0.2	<0.5	3.9	0.093
3482568	Drill Core	0.91	154	0.3	5.306	1.0	12.2	0.032	1.0	1.0	<0.005	<0.1	<0.1	4	<1	<0.1	65	<0.1	<0.5	2.7	0.043
3482569	Drill Core	0.97	140	0.3	5.018	0.5	24.0	0.029	3.7	2.3	<0.005	<0.1	0.1	4	<1	4.9	78	<0.1	<0.5	2.4	0.030
3482570	Drill Core	1.06	117	0.4	5.089	0.7	17.2	0.033	1.7	3.6	<0.005	<0.1	<0.1	4	<1	1.5	80	<0.1	<0.5	2.8	0.042
3482571	Drill Core	0.85	144	0.4	4.067	2.5	8.6	0.038	1.5	1.4	<0.005	<0.1	0.3	4	<1	0.2	45	0.2	<0.5	2.1	0.089
3482572	Drill Core	1.26	184	0.3	3.881	2.1	12.4	0.033	0.7	3.0	<0.005	<0.1	0.1	6	<1	0.1	51	0.2	<0.5	3.8	0.078
3482573	Rock	0.03	57	0.4	7.119	0.1	0.6	0.001	5.0	54.3	<0.005	<0.1	<0.1	<1	<1	0.2	50	<0.1	<0.5	0.2	0.002
3482574	Drill Core	1.06	185	0.3	4.673	2.2	8.3	0.039	0.8	1.2	0.006	<0.1	0.1	5	1	0.2	50	0.2	<0.5	3.3	0.080

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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA550
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3482545	Drill Core	<0.5	1.4	26	1.2	6.3	2	51.5	
3482546	Drill Core	<0.5	1.6	26	0.8	5.7	2	53.2	
3482547	Drill Core	<0.5	0.7	21	1.4	7.7	3	43.3	
3482548	Drill Core	<0.5	1.5	34	2.2	10.4	3	46.2	
3482549	Drill Core	<0.5	1.2	16	1.4	6.8	1	42.4	
3482550	Rock	<0.5	0.2	<1	<0.1	1.9	8	17.0	
3482551	Drill Core	<0.5	1.2	23	1.5	7.4	2	40.2	
3482552	Drill Core	<0.5	1.5	33	1.3	6.2	2	58.8	
3482553	Drill Core	<0.5	1.2	26	1.1	5.8	2	48.0	
3482554	Drill Core	<0.5	1.3	20	1.4	5.9	2	43.4	
3482555	Drill Core	<0.5	0.6	28	1.1	3.8	2	47.1	
3482556	Drill Core	<0.5	1.6	20	1.5	6.6	1	57.0	
3482557	Drill Core	<0.5	0.9	31	0.6	4.2	2	47.7	
3482558	Drill Core	<0.5	1.7	25	1.1	9.0	5	56.8	
3482559	Drill Core	<0.5	0.5	39	0.2	4.0	3	59.0	
3482560	Rock Pulp	<0.5	0.3	271	5.2	17.5	82	50.3	
3482561	Drill Core	<0.5	0.4	27	0.2	3.3	2	44.4	
3482562	Drill Core	<0.5	0.6	24	1.3	6.8	5	41.0	
3482563	Drill Core	<0.5	0.7	36	0.4	4.3	4	65.4	
3482564	Drill Core	<0.5	1.1	48	0.8	5.0	6	77.5	
3482565	Drill Core	<0.5	0.6	30	0.2	4.4	5	57.5	
3482566	Drill Core	<0.5	0.7	43	0.3	3.9	7	74.0	
3482567	Drill Core	<0.5	1.6	50	3.2	6.8	14	90.3	
3482568	Drill Core	<0.5	0.8	27	1.4	4.3	4	67.0	
3482569	Drill Core	<0.5	0.7	28	0.8	4.2	4	53.3	
3482570	Drill Core	<0.5	1.0	33	0.5	3.9	7	78.6	
3482571	Drill Core	<0.5	0.8	26	4.5	3.3	10	60.6	
3482572	Drill Core	<0.5	1.7	28	2.4	5.7	14	64.6	
3482573	Rock	0.6	0.2	<1	<0.1	1.6	7	20.7	
3482574	Drill Core	<0.5	1.1	24	2.4	6.8	8	75.3	

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BUREAU VERITAS MINERAL LABORATORIES Canada

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 02, 2019

CERTIFICATE OF ANALYSIS TIM19002556.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3482575	Drill Core	4.44	0.006	<0.1	5.83	9	72	2	<0.1	1.51	<0.1	26	3.3	31	7.4	0.62	1.7	<0.05	0.21	12.1	1.8
3482576	Drill Core	4.77	0.006	<0.1	5.91	73	84	2	<0.1	0.95	<0.1	28	22.8	29	42.3	0.92	1.6	<0.05	0.24	13.1	3.0
3482577	Drill Core	5.34	<0.005	<0.1	5.57	16	69	1	<0.1	1.10	<0.1	28	5.9	29	7.1	0.86	1.4	<0.05	0.22	13.6	2.9
3482578	Drill Core	5.42	<0.005	<0.1	5.88	9	52	2	<0.1	1.21	<0.1	29	4.5	30	7.3	0.83	1.4	<0.05	0.23	14.0	2.7
3482579	Drill Core	5.24	<0.005	<0.1	5.84	3	52	2	<0.1	1.70	<0.1	33	1.3	28	2.1	0.78	1.3	<0.05	0.19	15.7	2.5
3482580	Rock Pulp	0.07	>10	1.8	5.05	56	220	<1	0.6	3.67	0.2	11	32.7	483	109.9	4.34	1.2	<0.05	0.67	5.7	26.7
3482581	Drill Core	6.14	<0.005	<0.1	4.97	8	63	2	<0.1	0.90	<0.1	32	3.9	25	5.6	0.59	1.3	<0.05	0.17	15.6	2.2
3482582	Drill Core	5.33	<0.005	<0.1	5.71	17	65	1	<0.1	1.27	<0.1	35	5.1	29	3.6	0.73	1.6	<0.05	0.22	17.7	2.5
3482583	Drill Core	3.63	0.031	<0.1	5.48	75	58	2	0.2	2.20	<0.1	64	27.2	25	24.7	1.17	1.3	<0.05	0.24	30.0	3.0
3482584	Drill Core	4.75	0.100	<0.1	5.32	316	49	2	1.0	2.71	<0.1	59	98.4	41	15.9	2.69	2.2	<0.05	0.20	27.5	2.6
3482585	Drill Core	5.50	0.043	<0.1	5.90	165	67	2	0.4	1.90	<0.1	38	28.6	37	11.3	1.36	2.0	<0.05	0.26	17.9	3.7
3482586	Drill Core	4.55	1.320	<0.1	5.73	5	40	1	0.2	0.41	<0.1	37	9.2	38	19.0	6.27	1.3	0.09	0.11	18.1	4.0
3482587	Drill Core	3.11		<0.1	6.19	5	30	<1	0.4	0.23	<0.1	37	14.3	57	10.0	9.24	2.2	0.11	0.09	18.0	4.5
3482588	Rock	0.19	<0.005	<0.1	8.19	2	41	<1	<0.1	0.20	<0.1	1	<0.2	2	1.4	0.30	0.4	<0.05	3.66	0.5	19.2
3482589	Drill Core	2.49	0.030	<0.1	5.06	8	51	3	<0.1	0.25	<0.1	15	8.1	56	2.9	2.59	1.9	<0.05	0.14	6.6	3.0
3482590	Drill Core	5.54	0.010	<0.1	5.44	17	76	1	<0.1	1.03	<0.1	77	7.6	22	17.3	0.63	1.5	<0.05	0.22	40.8	2.4
3482591	Drill Core	5.89	<0.005	<0.1	5.43	13	61	2	<0.1	1.11	<0.1	20	7.0	26	7.4	0.54	1.6	<0.05	0.21	9.2	2.1
3482592	Drill Core	6.22	<0.005	<0.1	6.00	20	61	2	<0.1	1.50	<0.1	33	11.6	24	9.0	0.59	1.7	<0.05	0.18	16.3	1.3
3482593	Drill Core	5.47	0.035	<0.1	5.69	128	57	2	0.1	1.68	<0.1	31	27.3	34	52.2	0.73	2.0	<0.05	0.18	14.6	1.6
3482594	Drill Core	5.92	0.007	<0.1	6.04	146	62	1	<0.1	1.55	<0.1	39	60.3	22	43.0	0.56	1.4	<0.05	0.18	19.3	1.6
3482595	Drill Core	3.51	0.005	<0.1	6.04	12	95	2	<0.1	1.12	<0.1	33	4.6	27	6.0	0.57	1.6	<0.05	0.28	15.2	2.3
3482596	Drill Core	4.84	<0.005	<0.1	6.10	10	57	1	<0.1	1.29	<0.1	23	3.0	20	5.8	0.45	1.4	<0.05	0.14	11.7	0.9
3482597	Drill Core	3.89	0.007	<0.1	5.84	73	67	2	<0.1	2.29	<0.1	25	22.2	24	37.3	0.73	1.3	<0.05	0.18	12.7	1.6
3482598	Rock	0.19	<0.005	<0.1	7.80	1	36	<1	<0.1	0.19	<0.1	1	<0.2	1	1.2	0.35	0.4	<0.05	2.72	0.4	22.5
3482599	Drill Core	3.58	0.024	<0.1	6.17	168	63	3	0.4	2.26	<0.1	75	64.6	37	33.6	1.27	2.0	<0.05	0.19	36.7	1.3
3482600	Rock Pulp	0.07	0.544	0.2	6.95	5	132	<1	<0.1	6.62	<0.1	10	46.2	172	146.6	7.77	1.5	0.05	0.20	3.6	11.0
3482601	Drill Core	4.22	0.011	<0.1	6.25	79	71	3	<0.1	1.59	<0.1	54	23.0	35	18.3	0.77	1.7	<0.05	0.22	26.4	2.5
3482602	Drill Core	4.75	<0.005	<0.1	5.81	32	49	2	<0.1	2.28	<0.1	63	6.6	22	5.6	0.62	1.6	<0.05	0.15	31.5	1.6
3482603	Drill Core	5.26	<0.005	<0.1	5.51	6	71	1	<0.1	1.08	<0.1	126	2.3	16	2.7	0.50	1.2	<0.05	0.17	65.4	1.3
3482604	Drill Core	5.23	<0.005	<0.1	5.45	5	110	2	<0.1	0.77	<0.1	12	3.3	31	3.5	0.84	1.7	<0.05	0.28	5.6	3.2

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Project: SPJ
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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3482575	Drill Core	1.01	177	0.5	5.188	1.0	9.9	0.039	0.9	4.9	<0.005	<0.1	0.1	5	<1	0.2	83	0.1	<0.5	4.0	0.036
3482576	Drill Core	1.01	113	0.4	5.068	1.0	61.0	0.032	1.4	7.6	0.007	0.2	0.3	4	1	0.3	85	<0.1	<0.5	3.6	0.041
3482577	Drill Core	1.02	177	0.3	5.068	0.8	16.1	0.039	0.8	4.1	<0.005	<0.1	0.2	6	<1	0.1	74	<0.1	<0.5	3.1	0.031
3482578	Drill Core	1.05	176	0.4	5.063	0.7	11.3	0.038	0.8	3.4	<0.005	<0.1	<0.1	6	<1	0.2	62	<0.1	<0.5	3.3	0.027
3482579	Drill Core	1.24	205	0.4	5.147	0.8	9.2	0.061	1.0	2.9	<0.005	<0.1	0.1	8	<1	0.6	66	<0.1	0.5	3.5	0.028
3482580	Rock Pulp	4.05	698	5.0	1.175	1.8	211.1	0.025	34.8	24.8	<0.005	0.8	0.7	18	<1	0.4	78	0.1	1.6	1.6	0.226
3482581	Drill Core	0.84	110	0.3	5.189	0.6	12.2	0.034	0.8	1.5	<0.005	<0.1	<0.1	4	<1	0.3	66	<0.1	<0.5	2.3	0.026
3482582	Drill Core	1.07	158	0.4	5.265	0.7	20.2	0.033	0.9	4.2	<0.005	<0.1	0.1	5	<1	0.2	75	<0.1	<0.5	3.5	0.028
3482583	Drill Core	1.22	209	0.3	4.616	0.6	235.1	0.207	2.7	3.0	<0.005	0.4	0.8	5	2	0.2	75	<0.1	1.1	4.8	0.021
3482584	Drill Core	1.45	277	0.6	4.697	0.6	530.5	0.289	6.8	2.2	<0.005	2.0	2.1	6	6	0.1	75	<0.1	1.8	6.5	0.024
3482585	Drill Core	1.19	186	0.3	4.982	0.7	188.3	0.230	3.2	6.1	<0.005	0.3	0.8	5	2	0.2	88	<0.1	1.0	6.2	0.032
3482586	Drill Core	1.32	161	0.3	3.333	2.1	28.3	0.026	2.1	4.1	<0.005	0.1	0.3	5	2	0.2	43	0.2	<0.5	3.8	0.080
3482587	Drill Core	1.71	205	0.3	2.581	3.8	76.4	0.058	1.8	3.6	<0.005	<0.1	0.2	6	2	0.2	33	0.3	0.6	4.7	0.132
3482588	Rock	0.03	48	0.3	6.996	0.1	0.7	0.001	4.8	48.3	<0.005	<0.1	0.1	<1	2	0.2	48	<0.1	<0.5	0.2	0.002
3482589	Drill Core	0.80	73	0.5	5.060	2.7	16.1	0.036	0.8	1.3	<0.005	<0.1	0.1	4	<1	0.2	45	0.3	<0.5	2.6	0.114
3482590	Drill Core	0.85	102	0.2	5.133	0.6	15.7	0.025	1.1	7.0	<0.005	<0.1	0.1	4	<1	0.1	77	<0.1	<0.5	2.6	0.027
3482591	Drill Core	0.83	109	0.5	5.518	0.8	14.4	0.038	0.9	2.5	<0.005	<0.1	0.1	3	<1	0.2	67	<0.1	<0.5	2.3	0.034
3482592	Drill Core	0.88	132	0.4	5.343	0.8	30.4	0.058	1.0	3.5	<0.005	<0.1	0.2	5	2	0.2	76	<0.1	0.6	4.6	0.029
3482593	Drill Core	1.01	141	0.4	5.137	0.8	158.4	0.062	2.0	4.5	<0.005	0.2	1.4	4	1	0.2	76	<0.1	<0.5	4.2	0.029
3482594	Drill Core	0.92	137	0.5	5.375	0.6	62.7	0.068	1.0	3.9	<0.005	<0.1	0.2	4	1	0.2	81	<0.1	<0.5	3.8	0.025
3482595	Drill Core	0.84	100	0.4	5.721	0.8	17.1	0.038	0.9	6.3	<0.005	<0.1	0.1	5	1	0.2	74	<0.1	<0.5	3.8	0.034
3482596	Drill Core	0.69	100	0.4	6.257	0.6	16.0	0.044	2.2	2.6	<0.005	<0.1	0.2	4	2	2.3	65	<0.1	<0.5	4.1	0.023
3482597	Drill Core	1.30	175	0.3	5.399	0.6	60.3	0.056	3.0	3.3	<0.005	0.1	0.7	8	2	3.0	88	<0.1	<0.5	3.5	0.023
3482598	Rock	0.03	49	0.4	7.045	0.1	0.6	0.001	4.6	38.2	<0.005	<0.1	0.1	<1	1	0.2	42	<0.1	<0.5	0.2	0.002
3482599	Drill Core	1.11	156	0.4	5.342	0.9	168.3	0.236	3.8	3.6	<0.005	0.7	1.6	7	2	0.2	87	0.1	0.5	7.0	0.037
3482600	Rock Pulp	4.03	1408	0.7	2.179	3.3	94.3	0.040	2.9	3.5	<0.005	0.1	0.4	41	<1	0.6	111	0.2	1.0	0.3	0.647
3482601	Drill Core	1.03	113	0.5	5.664	1.0	85.9	0.141	1.7	6.4	<0.005	0.2	0.5	6	2	0.2	90	<0.1	<0.5	5.1	0.037
3482602	Drill Core	1.25	168	0.3	5.340	0.8	44.4	0.111	1.0	3.1	<0.005	<0.1	0.3	6	1	0.2	78	<0.1	<0.5	4.1	0.033
3482603	Drill Core	0.73	94	0.3	5.201	0.4	10.5	0.066	0.9	3.9	<0.005	<0.1	<0.1	3	<1	0.1	76	<0.1	<0.5	3.5	0.020
3482604	Drill Core	0.88	97	0.5	5.891	0.8	16.8	0.033	0.9	2.7	<0.005	<0.1	0.1	4	2	0.2	89	<0.1	<0.5	2.6	0.040

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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA550
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3482575	Drill Core	<0.5	1.6	20	1.8	6.9	2	68.5	
3482576	Drill Core	<0.5	1.3	28	1.6	5.9	3	56.3	
3482577	Drill Core	<0.5	0.7	26	0.7	5.6	3	50.8	
3482578	Drill Core	<0.5	0.8	31	0.8	6.3	3	50.2	
3482579	Drill Core	<0.5	1.1	27	0.9	9.2	2	47.4	
3482580	Rock Pulp	<0.5	0.4	127	11.5	8.4	75	43.8	11.8
3482581	Drill Core	<0.5	0.7	25	0.6	4.0	2	48.2	
3482582	Drill Core	<0.5	1.3	29	0.7	7.1	3	59.3	
3482583	Drill Core	<0.5	2.5	21	1.3	12.5	2	44.8	
3482584	Drill Core	<0.5	2.1	27	1.7	16.4	3	76.4	
3482585	Drill Core	<0.5	2.4	26	1.5	13.9	3	69.0	
3482586	Drill Core	<0.5	4.3	32	3.0	5.6	12	48.3	
3482587	Drill Core	<0.5	2.9	37	6.2	6.2	17	69.3	
3482588	Rock	0.6	0.2	<1	<0.1	1.6	7	18.4	
3482589	Drill Core	<0.5	0.7	35	4.2	3.4	5	66.2	
3482590	Drill Core	<0.5	0.8	21	0.7	5.0	2	50.1	
3482591	Drill Core	<0.5	0.8	22	1.3	4.0	1	53.5	
3482592	Drill Core	<0.5	2.5	23	1.3	8.2	1	58.2	
3482593	Drill Core	<0.5	2.1	21	1.4	7.4	<1	71.7	
3482594	Drill Core	<0.5	1.8	19	1.1	6.9	1	48.8	
3482595	Drill Core	<0.5	1.2	29	1.0	5.6	1	56.9	
3482596	Drill Core	<0.5	1.4	18	1.1	5.5	1	49.9	
3482597	Drill Core	<0.5	1.5	22	1.0	9.4	1	49.5	
3482598	Rock	0.5	0.1	<1	0.1	1.5	6	18.2	
3482599	Drill Core	<0.5	2.1	31	2.1	15.7	1	73.8	
3482600	Rock Pulp	<0.5	<0.1	315	1.1	19.0	79	52.6	
3482601	Drill Core	<0.5	2.0	37	1.5	10.5	1	66.0	
3482602	Drill Core	<0.5	1.1	24	2.1	9.8	1	63.1	
3482603	Drill Core	<0.5	1.1	16	0.7	6.9	<1	42.8	
3482604	Drill Core	<0.5	0.5	33	0.8	2.6	2	54.3	

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	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3482605	Drill Core	4.92	0.807	<0.1	6.60	10	49	1	<0.1	1.54	<0.1	62	11.9	48	8.2	3.15	1.7	<0.05	0.19	29.2	4.3
3482606	Drill Core	4.34	0.015	<0.1	6.85	6	42	1	<0.1	1.88	<0.1	51	4.9	52	3.5	2.45	2.2	<0.05	0.20	24.3	3.4
3482607	Drill Core	3.79	0.005	<0.1	6.44	11	41	2	<0.1	2.18	<0.1	86	4.0	23	3.3	0.70	1.7	<0.05	0.18	42.1	1.7
3482608	Drill Core	4.05	0.015	<0.1	6.49	68	61	1	<0.1	1.96	<0.1	66	7.2	29	12.7	0.66	2.4	<0.05	0.19	33.2	1.5
3482609	Drill Core	3.62	0.007	<0.1	6.39	60	54	2	<0.1	1.81	<0.1	41	8.6	38	9.0	0.58	2.2	<0.05	0.18	19.4	2.1
3482610	Drill Core	3.67	0.076	<0.1	5.43	170	39	<1	0.5	1.55	<0.1	42	109.3	32	3.3	3.31	1.5	<0.05	0.15	19.7	1.0
3482611	Drill Core	3.84	0.390	<0.1	5.19	578	15	1	1.3	1.48	<0.1	107	165.7	57	3.7	3.65	3.1	<0.05	0.11	45.7	0.4
3482612	Drill Core	4.05	0.333	<0.1	6.96	292	21	1	0.7	2.15	<0.1	39	76.4	74	3.0	2.23	3.4	<0.05	0.11	17.3	0.3
3482613	Drill Core	3.90	1.007	<0.1	4.64	823	18	1	1.3	1.59	<0.1	30	201.4	47	4.9	4.40	2.9	<0.05	0.11	13.0	0.4
3482614	Drill Core	3.98	0.538	<0.1	5.08	238	23	<1	0.4	2.68	<0.1	41	51.5	33	3.3	1.73	2.0	<0.05	0.09	20.0	0.5
3482615	Drill Core	3.64	0.430	<0.1	5.70	206	45	2	0.4	2.47	<0.1	46	40.7	51	4.5	1.53	3.0	<0.05	0.11	20.5	0.5
3482616	Drill Core	4.19	0.434	<0.1	5.51	135	17	<1	0.3	3.06	<0.1	48	39.2	37	4.3	1.46	2.4	<0.05	0.10	23.5	0.6
3482617	Drill Core	5.28	0.140	<0.1	5.52	56	19	1	0.1	4.45	<0.1	38	16.0	35	3.9	1.29	2.2	<0.05	0.12	18.3	1.1
3482618	Drill Core	5.56	0.014	<0.1	6.26	15	30	2	<0.1	2.52	<0.1	38	6.8	30	7.2	0.96	1.8	<0.05	0.28	18.3	4.8
3482619	Drill Core	4.56	0.014	<0.1	6.21	13	28	1	<0.1	2.64	<0.1	46	6.0	26	11.3	0.93	1.6	<0.05	0.22	23.2	3.6
3482620	Rock Pulp	0.07	1.561	0.2	7.25	902	327	1	<0.1	5.74	<0.1	35	42.0	197	78.7	8.77	3.0	<0.05	0.66	18.8	8.5
3482621	Drill Core	3.94	0.053	<0.1	6.01	84	23	2	<0.1	2.32	<0.1	84	14.4	26	12.0	0.91	1.3	<0.05	0.17	40.6	2.2
3482622	Drill Core	4.46	<0.005	<0.1	5.77	7	23	1	<0.1	2.63	<0.1	51	3.3	27	5.8	0.71	1.8	<0.05	0.15	24.3	1.9
3482623	Drill Core	3.56	0.007	<0.1	5.51	59	21	2	<0.1	2.47	<0.1	45	14.6	35	13.0	0.71	1.7	<0.05	0.12	20.3	1.5
3482624	Drill Core	5.07	0.124	<0.1	6.22	15	36	2	0.1	6.41	<0.1	45	22.4	52	5.6	1.64	2.3	<0.05	0.18	21.4	2.0
3482625	Rock	0.19	<0.005	<0.1	7.89	1	43	<1	<0.1	0.20	<0.1	1	<0.2	1	1.5	0.30	0.3	<0.05	4.06	0.4	21.3
3482626	Drill Core	5.14	0.036	<0.1	6.64	16	88	2	<0.1	6.77	<0.1	67	10.7	36	6.4	1.57	1.9	<0.05	0.42	32.3	2.5
3482627	Drill Core	5.63	<0.005	<0.1	6.10	9	46	1	<0.1	4.57	<0.1	44	5.3	33	4.8	1.27	1.4	<0.05	0.21	22.5	3.4
3482628	Drill Core	4.85	<0.005	<0.1	5.40	8	25	<1	<0.1	8.98	<0.1	96	5.6	42	2.1	1.83	2.0	0.07	0.14	44.8	1.4
3482629	Drill Core	5.81	<0.005	<0.1	5.71	6	78	1	<0.1	2.37	<0.1	24	5.3	26	2.8	0.91	1.4	<0.05	0.35	11.6	4.3
3482630	Drill Core	5.54	0.008	<0.1	5.55	9	45	1	0.1	6.53	<0.1	45	7.6	30	2.9	1.50	1.2	0.06	0.24	22.9	2.4

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 02, 2019

CERTIFICATE OF ANALYSIS TIM19002556.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3482605	Drill Core	1.56	334	0.2	5.102	2.2	33.3	0.056	1.9	3.6	<0.005	0.3	0.4	8	1	0.2	69	0.2	<0.5	4.4	0.104
3482606	Drill Core	1.52	285	0.3	5.045	3.3	23.6	0.123	0.9	4.6	<0.005	<0.1	0.2	8	<1	0.2	67	0.3	<0.5	5.7	0.131
3482607	Drill Core	1.30	188	0.3	5.398	1.4	18.0	0.059	0.8	2.8	<0.005	<0.1	0.2	6	<1	0.1	71	0.1	0.5	4.9	0.053
3482608	Drill Core	1.14	130	0.2	5.395	1.6	55.8	0.087	1.1	4.5	<0.005	0.1	0.3	6	<1	0.3	71	0.2	0.5	5.6	0.062
3482609	Drill Core	1.20	104	0.3	5.681	1.5	40.5	0.072	0.9	3.9	<0.005	0.1	0.2	6	<1	0.2	73	0.1	<0.5	5.3	0.056
3482610	Drill Core	0.93	101	0.5	4.538	0.5	46.4	0.028	2.0	2.5	<0.005	3.3	0.4	6	3	0.2	48	<0.1	<0.5	3.5	0.019
3482611	Drill Core	0.78	101	0.4	6.539	2.0	102.9	0.026	4.1	0.4	<0.005	3.9	0.6	5	5	0.5	24	0.2	0.8	6.0	0.078
3482612	Drill Core	1.14	116	0.4	6.325	3.1	64.8	0.049	2.4	1.5	<0.005	2.1	0.7	7	3	0.6	35	0.2	<0.5	9.4	0.107
3482613	Drill Core	0.82	97	0.4	4.989	1.6	117.8	0.061	3.4	0.6	<0.005	4.7	0.7	4	8	0.3	23	0.1	0.7	5.4	0.051
3482614	Drill Core	1.39	164	0.3	4.466	1.2	37.3	0.063	2.7	1.0	<0.005	1.4	0.4	4	2	2.5	30	0.1	0.7	4.3	0.045
3482615	Drill Core	1.28	168	0.9	5.019	1.4	32.1	0.048	2.9	1.5	<0.005	1.1	0.4	6	2	2.2	41	0.1	<0.5	7.0	0.052
3482616	Drill Core	1.60	204	0.5	4.671	1.6	31.4	0.052	1.4	1.1	<0.005	0.9	0.3	5	2	0.3	37	0.2	0.8	5.7	0.061
3482617	Drill Core	2.34	270	0.5	4.418	1.6	18.8	0.049	1.0	2.4	<0.005	0.5	0.3	8	2	0.3	65	0.1	1.0	5.2	0.056
3482618	Drill Core	1.94	190	0.6	4.672	1.3	16.3	0.036	0.9	4.4	<0.005	<0.1	0.2	8	<1	0.2	80	0.1	0.6	3.9	0.051
3482619	Drill Core	1.89	189	0.7	4.849	1.5	22.3	0.035	1.1	3.5	<0.005	<0.1	0.2	7	1	0.2	81	0.1	1.1	3.9	0.052
3482620	Rock Pulp	3.87	1888	2.7	2.238	17.4	137.6	0.164	4.6	19.5	<0.005	0.8	2.2	19	1	1.5	358	1.0	0.5	3.0	0.908
3482621	Drill Core	1.48	169	0.4	4.971	1.1	81.3	0.138	1.3	2.7	<0.005	0.3	0.6	6	2	0.3	82	0.1	0.8	3.9	0.041
3482622	Drill Core	1.65	188	0.2	4.895	1.0	9.9	0.036	1.0	3.0	<0.005	<0.1	0.1	7	<1	0.2	81	<0.1	0.6	3.3	0.038
3482623	Drill Core	1.41	166	0.3	4.981	1.1	50.7	0.075	1.2	2.1	<0.005	0.1	0.4	6	<1	0.3	76	0.1	0.5	4.4	0.041
3482624	Drill Core	3.37	449	1.0	4.887	1.0	19.8	0.043	1.2	5.2	<0.005	0.2	0.2	12	<1	0.2	112	0.1	2.4	5.6	0.040
3482625	Rock	0.03	51	0.4	7.983	<0.1	0.5	0.001	5.0	48.5	<0.005	<0.1	<0.1	<1	<1	0.2	47	<0.1	<0.5	0.2	0.002
3482626	Drill Core	3.46	507	0.7	4.935	0.9	18.3	0.039	0.9	15.9	<0.005	0.1	0.2	13	<1	0.3	134	<0.1	1.2	4.4	0.037
3482627	Drill Core	2.78	277	1.3	4.432	0.8	17.9	0.030	1.3	6.4	<0.005	<0.1	0.1	14	<1	0.1	131	<0.1	1.2	4.5	0.031
3482628	Drill Core	4.60	502	1.4	4.450	1.2	8.7	0.043	1.4	3.8	<0.005	<0.1	0.2	21	<1	0.2	113	0.1	3.7	5.5	0.035
3482629	Drill Core	1.66	157	0.7	4.307	0.8	15.2	0.029	1.4	9.3	<0.005	<0.1	0.1	8	<1	0.3	106	0.1	0.8	3.2	0.036
3482630	Drill Core	3.51	365	0.5	4.314	0.6	11.9	0.028	1.9	7.1	<0.005	0.1	0.2	15	<1	0.2	119	<0.1	1.3	3.1	0.022

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 02, 2019

CERTIFICATE OF ANALYSIS TIM19002556.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA550
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3482605	Drill Core	<0.5	1.3	41	5.0	7.3	4	63.7	
3482606	Drill Core	<0.5	2.1	36	4.5	10.7	4	73.9	
3482607	Drill Core	<0.5	1.7	29	3.4	7.8	<1	59.8	
3482608	Drill Core	<0.5	2.0	32	4.5	8.3	<1	78.5	
3482609	Drill Core	<0.5	2.1	37	3.3	8.2	<1	76.4	
3482610	Drill Core	<0.5	0.8	22	0.7	4.3	<1	54.8	
3482611	Drill Core	<0.5	1.0	35	2.3	5.6	<1	110.1	
3482612	Drill Core	<0.5	2.4	47	2.4	8.1	2	117.6	
3482613	Drill Core	<0.5	2.3	34	1.6	5.2	<1	103.1	
3482614	Drill Core	<0.5	1.1	27	2.0	4.7	<1	66.4	
3482615	Drill Core	<0.5	2.4	33	1.9	5.9	<1	104.7	
3482616	Drill Core	<0.5	1.1	31	3.3	5.6	<1	80.7	
3482617	Drill Core	<0.5	1.8	41	3.5	7.0	<1	73.1	
3482618	Drill Core	<0.5	1.1	42	1.1	9.6	2	59.5	
3482619	Drill Core	<0.5	0.8	39	1.6	8.9	1	58.4	
3482620	Rock Pulp	<0.5	0.8	164	1.2	19.0	106	114.4	
3482621	Drill Core	<0.5	1.0	30	1.6	11.1	1	49.3	
3482622	Drill Core	<0.5	1.0	28	1.3	7.8	1	68.1	
3482623	Drill Core	<0.5	2.3	25	1.9	8.3	<1	65.5	
3482624	Drill Core	<0.5	2.1	62	1.3	10.9	2	78.2	
3482625	Rock	0.5	0.2	<1	<0.1	1.6	7	19.2	
3482626	Drill Core	<0.5	1.7	62	1.2	8.9	2	60.0	
3482627	Drill Core	<0.5	1.4	54	0.6	7.5	3	49.6	
3482628	Drill Core	<0.5	2.6	87	1.4	18.8	<1	63.3	
3482629	Drill Core	<0.5	2.6	35	0.5	6.1	2	42.6	
3482630	Drill Core	<0.5	2.0	62	0.6	13.1	2	37.0	

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Client: **MacDonald Mines Exploration Ltd.**
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Project: SPJ
Report Date: December 02, 2019

QUALITY CONTROL REPORT TIM19002556.1

Method		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
Unit		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
MDL		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
Pulp Duplicates																					
3482557	Drill Core	2.94	<0.005	<0.1	6.13	15	61	1	<0.1	1.19	<0.1	13	6.8	26	31.2	0.71	1.3	<0.05	0.26	5.8	2.8
REP 3482557	QC		<0.005																		
3482561	Drill Core	3.32	<0.005	<0.1	4.81	8	72	2	<0.1	0.62	<0.1	18	2.8	25	10.8	0.70	1.2	<0.05	0.24	7.7	2.8
REP 3482561	QC			<0.1	5.05	6	71	1	<0.1	0.64	<0.1	20	2.2	25	11.5	0.72	1.2	<0.05	0.25	8.6	3.0
3482577	Drill Core	5.34	<0.005	<0.1	5.57	16	69	1	<0.1	1.10	<0.1	28	5.9	29	7.1	0.86	1.4	<0.05	0.22	13.6	2.9
REP 3482577	QC		<0.005																		
3482595	Drill Core	3.51	0.005	<0.1	6.04	12	95	2	<0.1	1.12	<0.1	33	4.6	27	6.0	0.57	1.6	<0.05	0.28	15.2	2.3
REP 3482595	QC			<0.1	5.96	12	91	2	<0.1	1.11	<0.1	30	4.8	27	6.5	0.52	1.5	<0.05	0.27	14.1	2.2
3482623	Drill Core	3.56	0.007	<0.1	5.51	59	21	2	<0.1	2.47	<0.1	45	14.6	35	13.0	0.71	1.7	<0.05	0.12	20.3	1.5
REP 3482623	QC			<0.1	5.58	63	20	1	<0.1	2.51	<0.1	48	15.2	36	13.5	0.75	1.8	<0.05	0.12	21.7	1.2
Core Reject Duplicates																					
3482584	Drill Core	4.75	0.100	<0.1	5.32	316	49	2	1.0	2.71	<0.1	59	98.4	41	15.9	2.69	2.2	<0.05	0.20	27.5	2.6
DUP 3482584	QC		0.105	<0.1	5.38	339	48	2	1.0	2.66	<0.1	58	99.8	42	16.2	2.77	2.2	<0.05	0.20	27.4	2.8
3482618	Drill Core	5.56	0.014	<0.1	6.26	15	30	2	<0.1	2.52	<0.1	38	6.8	30	7.2	0.96	1.8	<0.05	0.28	18.3	4.8
DUP 3482618	QC		0.012	<0.1	6.18	14	30	1	<0.1	2.51	<0.1	36	6.7	28	5.8	0.96	1.7	<0.05	0.28	17.2	4.9
Reference Materials																					
STD OREAS25A-4A	Standard			<0.1	8.83	10	139	<1	0.3	0.27	<0.1	40	8.0	114	33.0	6.62	3.9	0.10	0.49	18.9	35.4
STD OREAS25A-4A	Standard			<0.1	8.28	11	146	1	0.4	0.26	<0.1	40	7.2	117	33.7	6.67	4.0	0.09	0.51	17.9	36.6
STD OREAS25A-4A	Standard			<0.1	8.63	10	146	<1	0.3	0.27	<0.1	42	7.8	113	33.7	6.52	3.9	0.05	0.49	19.3	36.8
STD OREAS45E	Standard			0.3	7.20	18	242	<1	0.3	0.06	<0.1	24	62.7	1095	783.2	26.44	3.0	0.14	0.33	11.0	7.0
STD OREAS45E	Standard			0.3	7.06	17	262	<1	0.3	0.06	<0.1	23	61.2	1065	812.8	26.16	2.9	0.12	0.34	10.0	7.0
STD OREAS45H	Standard			0.1	7.97	16	321	1	0.2	0.13	<0.1	23	90.1	621	749.6	19.57	3.2	0.07	0.19	11.9	14.7
STD OXC145	Standard		0.217																		
STD OXC145	Standard		0.214																		
STD OXH139	Standard		1.296																		
STD OXH139	Standard		1.321																		
STD OXN134	Standard		7.601																		
STD OXN134	Standard		7.793																		

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QUALITY CONTROL REPORT TIM19002556.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
Pulp Duplicates																					
3482557	Drill Core	1.16	86	0.2	5.300	0.6	22.1	0.036	0.9	3.9	<0.005	<0.1	0.1	4	<1	0.1	82	<0.1	<0.5	3.2	0.025
REP 3482557	QC																				
3482561	Drill Core	0.93	69	0.3	5.089	0.5	14.0	0.022	4.3	1.0	<0.005	<0.1	0.4	4	<1	2.6	80	<0.1	<0.5	1.8	0.025
REP 3482561	QC	0.94	71	0.3	5.293	0.5	13.5	0.024	4.7	1.2	<0.005	<0.1	0.5	4	<1	2.9	80	<0.1	<0.5	2.1	0.027
3482577	Drill Core	1.02	177	0.3	5.068	0.8	16.1	0.039	0.8	4.1	<0.005	<0.1	0.2	6	<1	0.1	74	<0.1	<0.5	3.1	0.031
REP 3482577	QC																				
3482595	Drill Core	0.84	100	0.4	5.721	0.8	17.1	0.038	0.9	6.3	<0.005	<0.1	0.1	5	1	0.2	74	<0.1	<0.5	3.8	0.034
REP 3482595	QC	0.82	97	0.4	5.592	0.8	16.3	0.038	0.8	5.5	<0.005	<0.1	0.1	5	1	0.2	69	<0.1	<0.5	3.5	0.036
3482623	Drill Core	1.41	166	0.3	4.981	1.1	50.7	0.075	1.2	2.1	<0.005	0.1	0.4	6	<1	0.3	76	0.1	0.5	4.4	0.041
REP 3482623	QC	1.43	174	0.3	4.768	1.2	49.9	0.076	1.2	2.5	<0.005	0.2	0.4	6	<1	0.3	77	0.1	<0.5	4.9	0.046
Core Reject Duplicates																					
3482584	Drill Core	1.45	277	0.6	4.697	0.6	530.5	0.289	6.8	2.2	<0.005	2.0	2.1	6	6	0.1	75	<0.1	1.8	6.5	0.024
DUP 3482584	QC	1.45	265	0.7	4.756	0.6	582.1	0.283	7.2	2.1	0.005	2.1	2.3	5	5	0.2	80	<0.1	1.8	6.2	0.022
3482618	Drill Core	1.94	190	0.6	4.672	1.3	16.3	0.036	0.9	4.4	<0.005	<0.1	0.2	8	<1	0.2	80	0.1	0.6	3.9	0.051
DUP 3482618	QC	1.93	187	0.6	4.689	1.4	14.5	0.035	0.9	4.2	<0.005	<0.1	0.2	8	<1	0.2	77	0.2	0.9	3.6	0.054
Reference Materials																					
STD OREAS25A-4A	Standard	0.37	495	2.2	0.148	17.5	47.8	0.046	22.7	51.5	0.006	<0.1	0.7	12	2	3.6	42	1.3	<0.5	13.7	0.864
STD OREAS25A-4A	Standard	0.35	480	2.6	0.127	19.8	46.6	0.049	24.0	50.4	<0.005	<0.1	0.6	11	2	3.7	43	1.5	<0.5	12.9	0.938
STD OREAS25A-4A	Standard	0.35	476	2.5	0.139	19.1	46.6	0.047	23.5	53.1	<0.005	<0.1	0.5	12	2	3.9	44	1.3	<0.5	13.4	0.890
STD OREAS45E	Standard	0.17	566	2.4	0.065	5.9	472.7	0.031	18.1	21.3	<0.005	<0.1	0.8	90	3	1.2	15	0.5	<0.5	12.6	0.555
STD OREAS45E	Standard	0.18	556	2.6	0.069	6.1	489.7	0.036	18.9	20.6	<0.005	<0.1	1.1	91	2	1.2	16	0.6	<0.5	12.6	0.525
STD OREAS45H	Standard	0.26	379	1.2	0.094	12.8	433.2	0.020	11.8	20.8	<0.005	<0.1	0.5	53	2	1.7	26	0.8	<0.5	6.7	0.849
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 02, 2019

QUALITY CONTROL REPORT TIM19002556.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA550
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
Pulp Duplicates									
3482557	Drill Core	<0.5	0.9	31	0.6	4.2	2	47.7	
REP 3482557	QC								
3482561	Drill Core	<0.5	0.4	27	0.2	3.3	2	44.4	
REP 3482561	QC	<0.5	0.4	27	0.2	3.4	4	44.6	
3482577	Drill Core	<0.5	0.7	26	0.7	5.6	3	50.8	
REP 3482577	QC								
3482595	Drill Core	<0.5	1.2	29	1.0	5.6	1	56.9	
REP 3482595	QC	<0.5	1.0	28	1.0	5.1	<1	53.4	
3482623	Drill Core	<0.5	2.3	25	1.9	8.3	<1	65.5	
REP 3482623	QC	<0.5	2.3	25	2.3	8.8	<1	70.2	
Core Reject Duplicates									
3482584	Drill Core	<0.5	2.1	27	1.7	16.4	3	76.4	
DUP 3482584	QC	<0.5	2.3	28	1.7	15.6	3	76.3	
3482618	Drill Core	<0.5	1.1	42	1.1	9.6	2	59.5	
DUP 3482618	QC	<0.5	1.0	43	1.2	9.4	2	59.9	
Reference Materials									
STD OREAS25A-4A	Standard	<0.5	2.5	156	1.8	8.4	45	143.7	
STD OREAS25A-4A	Standard	<0.5	2.5	159	1.9	8.4	48	147.3	
STD OREAS25A-4A	Standard	<0.5	2.5	156	2.0	8.8	40	145.5	
STD OREAS45E	Standard	<0.5	2.4	343	1.0	7.6	46	92.8	
STD OREAS45E	Standard	<0.5	2.4	326	1.0	7.1	46	91.5	
STD OREAS45H	Standard	<0.5	1.5	270	0.7	8.6	40	112.7	
STD OXC145	Standard								
STD OXC145	Standard								
STD OXH139	Standard								
STD OXH139	Standard								
STD OXN134	Standard								
STD OXN134	Standard								

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 02, 2019

QUALITY CONTROL REPORT TIM19002556.1

		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
STD OXP116	Standard																				
STD OXQ90	Standard																				
STD OXQ90	Standard																				
STD OXC145 Expected			0.212																		
STD OXN134 Expected			7.667																		
STD OXH139 Expected			1.312																		
STD OXP116 Expected																					
STD OXQ90 Expected																					
STD OREAS45E Expected				0.311	6.78	16.3	252		0.28	0.065	0.06	23.5	57	979	780	24.12	3.11	0.099	0.324	11	6.58
STD OREAS25A-4A Expected					8.87	9.94	147	0.93	0.37	0.301		47.3	7.7	115	33.9	6.6	4.14	0.09	0.482	21.8	36.7
STD OREAS45H Expected				0.147	7.99	16.9	332	1.09	0.17	0.135		23.6	88	602	767	19.52	3.6	0.1	0.205	12.4	13.1
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank																				
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
Prep Wash																					
ROCK-TIM	Prep Blank		<0.005	<0.1	6.74	2	789	<1	<0.1	1.62	<0.1	19	4.4	3	5.3	2.15	1.6	<0.05	1.61	9.4	1.6
ROCK-TIM	Prep Blank		<0.005	<0.1	6.92	1	822	<1	<0.1	1.54	<0.1	23	4.1	3	4.0	2.09	1.6	<0.05	1.81	11.8	1.3

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Bureau Veritas Commodities Canada Ltd.
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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 02, 2019

QUALITY CONTROL REPORT TIM19002556.1

		MA200 Mg % 0.01	MA200 Mn ppm 1	MA200 Mo ppm 0.1	MA200 Na % 0.001	MA200 Nb ppm 0.1	MA200 Ni ppm 0.1	MA200 P % 0.001	MA200 Pb ppm 0.1	MA200 Rb ppm 0.1	MA200 Re ppm 0.005	MA200 S % 0.1	MA200 Sb ppm 0.1	MA200 Sc ppm 1	MA200 Se ppm 1	MA200 Sn ppm 0.1	MA200 Sr ppm 1	MA200 Ta ppm 0.1	MA200 Te ppm 0.5	MA200 Th ppm 0.1	MA200 Ti % 0.001
STD OXP116	Standard																				
STD OXQ90	Standard																				
STD OXQ90	Standard																				
STD OXC145 Expected																					
STD OXN134 Expected																					
STD OXH139 Expected																					
STD OXP116 Expected																					
STD OXQ90 Expected																					
STD OREAS45E Expected		0.156	570	2.4	0.059	6.8	454	0.034	18.2	21.2		0.046	1	93	2.97	1.32	15.9	0.54	0.1	12.9	0.559
STD OREAS25A-4A Expected		0.327	480	2.41	0.131	20.9	45.8	0.048	25.2	61		0.047	0.65	13.7	2.4	4.06	48.5	1.4		15.8	0.93
STD OREAS45H Expected		0.238	380	1.55	0.09	14.8	423	0.023	11.9	22.5			0.63	57	2.02	1.93	27.1	1.08		7.26	0.878
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<1	<0.1	0.001	<0.1	0.2	<0.001	<0.1	<0.1	0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	<0.001	<0.1	0.2	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	2	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.001	<0.1	0.3	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
Prep Wash																					
ROCK-TIM	Prep Blank	0.57	719	1.1	3.308	4.9	1.4	0.041	2.3	24.5	<0.005	<0.1	<0.1	6	<1	0.7	185	0.3	<0.5	2.3	0.199
ROCK-TIM	Prep Blank	0.54	697	1.8	3.433	5.0	0.9	0.039	2.1	27.0	<0.005	<0.1	<0.1	6	<1	0.7	184	0.3	<0.5	2.5	0.192

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 02, 2019

QUALITY CONTROL REPORT TIM19002556.1

		MA200 Tl ppm 0.5	MA200 U ppm 0.1	MA200 V ppm 1	MA200 W ppm 0.1	MA200 Y ppm 0.1	MA200 Zn ppm 1	MA200 Zr ppm 0.1	FA550 Au gm/t 0.9
STD OXP116	Standard								15.0
STD OXQ90	Standard								24.6
STD OXQ90	Standard								24.4
STD OXC145 Expected									
STD OXN134 Expected									
STD OXH139 Expected									
STD OXP116 Expected									14.92
STD OXQ90 Expected									24.88
STD OREAS45E Expected		0.15	2.41	322	1.07	8.28	46.7	97	
STD OREAS25A-4A Expected		0.35	2.94	157	2	10.5	44.4	155	
STD OREAS45H Expected			1.68	263	0.99	10.4	39.7	131	
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								<0.9
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1	
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	2	<0.1	
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1	
Prep Wash									
ROCK-TIM	Prep Blank	<0.5	1.0	41	0.3	12.9	35	46.6	
ROCK-TIM	Prep Blank	<0.5	1.0	36	0.3	14.0	32	48.1	

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By: Quentin Yarie
Receiving Lab: Canada-Timmins
Received: November 12, 2019
Report Date: November 28, 2019

CERTIFICATE OF ANALYSIS TIM19002556M.1

CLIENT JOB INFORMATION

Project: SPJ
Shipment ID:
P.O. Number
Number of Samples: 2

SAMPLE DISPOSAL

RTRN-PLP Return After 90 days
RTRN-RJT Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PUL85	2	Pulverize to 85% passing 200 mesh			TIM
SPTRF	2	Split samples by riffle splitter			TIM
FS652	2	Metallic Sieve 1 kg to 150 mesh - save + and - fraction			TIM
FS652	2	Metallic Fire Assay - duplicate minus fraction analysis	50	Completed	TIM
EN002	2	Environmental disposal charge-Fire assay lead waste			TIM

ADDITIONAL COMMENTS

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC:

MAY LAI
Data Validation Specialist

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All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

BUREAU VERITAS
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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: November 28, 2019

CERTIFICATE OF ANALYSIS TIM19002556M.1

	Method	M150 1kg	FA450	FA450	FS652	FS652	FS652
	Analyte	TotWt	-Au	-Au + Au Wt		+ Au	Au Total
	Unit	g	gm/t	gm/t	g	gm/t	gm/t
	MDL	1	0.005	0.005	0.01	0.05	0.05
3482571	Drill Core	1090	0.775	0.628	36.26	3.12	0.78
3482587	Drill Core	1070	0.702	0.615	40.50	1.21	0.68

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: November 28, 2019

QUALITY CONTROL REPORT TIM19002556M.1

	Method	M150 1kg	FA450	FA450	FS652	FS652	FS652
	Analyte	TotWt	-Au	-Au	+ Au Wt	+ Au	Au Total
	Unit	g	gm/t	gm/t	g	gm/t	gm/t
	MDL	1	0.005	0.005	0.01	0.05	0.05
Reference Materials							
STD OXC145	Standard			0.212			
STD OXC145	Standard		0.210				
STD OXH139	Standard			1.254			
STD OXH139	Standard		1.273				
STD OXN134	Standard			7.546			
STD OXN134	Standard		7.368				
STD OXQ90	Standard				30.29	25.22	
STD OXQ90 Expected						24.88	
BLK	Blank				50.00	<0.05	
BLK	Blank			<0.005			
BLK	Blank			<0.005			
BLK	Blank		0.005				
BLK	Blank		<0.005				
Prep Wash							
ROCK-TIM	Prep Blank	435	<0.005	<0.005	24.99	<0.05	<0.05

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By: Quentin Yarie
Receiving Lab: Canada-Timmins
Received: November 26, 2019
Report Date: December 06, 2019

CERTIFICATE OF ANALYSIS TIM19002556N.1

CLIENT JOB INFORMATION

Project: SPJ
Shipment ID:
P.O. Number
Number of Samples: 1

SAMPLE DISPOSAL

RTRN-PLP Return After 90 days
RTRN-RJT Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PUL85	1	Pulverize to 85% passing 200 mesh			TIM
SPTRF	1	Split samples by riffle splitter			TIM
FS652	1	Metallic Sieve 1 kg to 150 mesh - save + and - fraction			TIM
FS652	1	Metallic Fire Assay - duplicate minus fraction analysis	50	Completed	TIM
EN002	1	Environmental disposal charge-Fire assay lead waste			TIM
FA550	1	Lead collection fire assay 50G fusion - Grav finish	50	Completed	TIM
FA550	1	Lead collection fire assay 50G fusion - Grav finish	50	Completed	TIM

ADDITIONAL COMMENTS

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC:

MAY LAI
Data Validation Specialist

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All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 06, 2019

CERTIFICATE OF ANALYSIS TIM19002556N.1

	Method	M150 1kg	FA450	FA450	FS652	FS652	FS652	FA550	FA550
	Analyte	TotWt	-Au	-Au + Au Wt		+ Au	Au Total	-Au	-Au
	Unit	g	gm/t	gm/t	g	gm/t	gm/t	gm/t	gm/t
	MDL	1	0.005	0.005	0.01	0.05	0.05	0.9	0.9
3482562	Drill Core	1080	>10	>10	26.84	53.65	21.56	20.5	21.0

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BUREAU VERITAS
MINERAL LABORATORIES
Canada

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 06, 2019

QUALITY CONTROL REPORT TIM19002556N.1

	Method	M150 1kg	FA450	FA450	FS652	FS652	FS652	FA550	FA550
	Analyte	TotWt	-Au	-Au	+ Au Wt	+ Au	Au Total	-Au	-Au
	Unit	g	gm/t	gm/t	g	gm/t	gm/t	gm/t	gm/t
	MDL	1	0.005	0.005	0.01	0.05	0.05	0.9	0.9
Pulp Duplicates									
3482562	Drill Core	1080	>10	>10	26.84	53.65	21.56	20.5	21.0
REP 3482562	QC							20.3	20.1
Reference Materials									
STD OXC145	Standard		0.210						
STD OXC145	Standard			0.221					
STD OXH139	Standard		1.294						
STD OXH139	Standard			1.245					
STD OXN134	Standard		7.561						
STD OXN134	Standard			7.837					
STD OXP116	Standard				49.47	14.66			
STD OXP116	Standard							15.0	
STD OXP116	Standard								15.2
STD OXQ90	Standard				49.79	23.58			
STD OXQ90	Standard							25.1	
STD OXQ90	Standard							24.8	
STD OXQ90	Standard								25.3
STD OXQ90	Standard								25.2
STD OXP116 Expected						14.92			
STD OXQ90 Expected						24.88			
BLK	Blank		<0.005						
BLK	Blank		<0.005						
BLK	Blank				50.00	<0.05			
BLK	Blank				50.00	<0.05			
BLK	Blank			<0.005					
BLK	Blank			<0.005					
BLK	Blank							<0.9	
BLK	Blank								<0.9
Prep Wash									

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 06, 2019

QUALITY CONTROL REPORT TIM19002556N.1

		M150 1kg	FA450	FA450	FS652	FS652	FS652	FA550	FA550
		TotWt	-Au	-Au	+ Au Wt	+ Au	Au Total	-Au	-Au
		g	gm/t	gm/t	g	gm/t	gm/t	gm/t	gm/t
		1	0.005	0.005	0.01	0.05	0.05	0.9	0.9
ROCK-TIM	Prep Blank	1015	0.006	<0.005	34.57	<0.05	<0.05		

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By: Quentin Yarie
Receiving Lab: Canada-Timmins
Received: November 12, 2019
Report Date: December 04, 2019

CERTIFICATE OF ANALYSIS TIM19002557.1

CLIENT JOB INFORMATION

Project: SPJ
Shipment ID:
P.O. Number
Number of Samples: 90

SAMPLE DISPOSAL

RTRN-PLP Return After 90 days
RTRN-RJT Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP85-500	85	Crush split and pulverize 250g of sample to 200mesh			TIM
CRUBW	1	Extra clean rock wash between samples in crusher		Completed	TIM
PULSW	1	Extra Wash with Silica between each sample			TIM
SHP01	90	Per sample shipping charges for branch shipments			TIM
SLBHP	5	Sort, label and box pulps			TIM
FA450	89	50g Lead Collection Fire Assay Fusion - AAS Finish	50	Completed	TIM
EN002	90	Environmental disposal charge-Fire assay lead waste			TIM
MA200	90	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
EN001-MA	90	Environmental disposal fee - Multi-acid neutralization			VAN

ADDITIONAL COMMENTS

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC:

MAY LAI
Data Validation Specialist

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All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

BUREAU VERITAS MINERAL LABORATORIES Canada

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 04, 2019

CERTIFICATE OF ANALYSIS TIM19002557.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3482631	Drill Core	5.52	0.005	<0.1	5.37	8	37	<1	<0.1	6.57	<0.1	41	5.9	35	4.1	1.40	1.5	0.08	0.21	21.0	1.5
3482632	Drill Core	5.99	<0.005	<0.1	6.38	5	48	1	<0.1	4.70	<0.1	68	2.9	34	2.0	1.14	1.6	<0.05	0.22	35.5	2.3
3482633	Drill Core	6.15	<0.005	<0.1	6.51	7	39	1	<0.1	4.63	<0.1	57	4.4	32	2.9	1.12	1.8	<0.05	0.19	29.0	2.4
3482634	Drill Core	6.11	0.007	<0.1	5.95	6	40	<1	<0.1	6.31	<0.1	52	3.8	36	6.0	1.35	1.9	0.07	0.20	25.3	1.9
3482635	Drill Core	5.06	<0.005	<0.1	5.99	5	39	<1	<0.1	5.37	<0.1	45	4.1	26	4.9	1.59	1.0	<0.05	0.25	22.6	6.0
3482636	Drill Core	2.43	<0.005	<0.1	8.01	3	325	3	<0.1	3.27	<0.1	50	47.6	47	30.4	8.65	3.1	0.07	2.15	25.1	72.6
3482637	Drill Core	5.21	0.008	<0.1	6.17	5	29	1	<0.1	4.89	<0.1	24	2.6	27	2.3	1.25	1.1	<0.05	0.13	11.4	0.9
3482638	Drill Core	5.31	<0.005	<0.1	6.54	9	40	1	<0.1	4.18	<0.1	75	3.6	37	4.1	1.07	1.7	<0.05	0.21	38.3	2.2
3482639	Drill Core	5.58	<0.005	<0.1	5.95	4	34	1	<0.1	6.01	<0.1	48	1.5	36	1.8	1.26	0.9	<0.05	0.18	24.0	1.1
3482640	Rock Pulp	0.07	5.391	0.9	6.46	20	215	<1	0.3	5.34	0.1	12	40.6	260	134.6	7.03	1.4	<0.05	0.46	5.1	19.9
3482641	Drill Core	5.55	<0.005	<0.1	6.32	4	38	2	<0.1	2.77	<0.1	25	1.2	23	2.4	0.76	1.2	<0.05	0.19	11.9	1.4
3482642	Drill Core	6.03	<0.005	<0.1	6.02	6	40	1	<0.1	2.58	<0.1	19	2.4	31	2.1	0.78	1.5	<0.05	0.21	8.8	1.9
3482643	Drill Core	5.62	<0.005	<0.1	5.93	4	29	<1	<0.1	5.06	<0.1	93	1.8	38	3.1	1.22	1.4	<0.05	0.16	46.5	1.4
3482644	Drill Core	4.03	<0.005	<0.1	6.26	16	62	1	<0.1	0.95	<0.1	40	5.7	39	31.2	0.74	2.2	<0.05	0.28	18.0	4.4
3482645	Drill Core	3.49	<0.005	<0.1	5.80	6	55	1	<0.1	0.91	<0.1	29	2.5	18	4.3	0.47	1.2	<0.05	0.25	13.8	2.1
3482646	Drill Core	5.59	<0.005	<0.1	5.69	5	52	1	<0.1	0.68	<0.1	19	1.6	32	4.0	0.55	1.5	<0.05	0.23	8.6	3.3
3482647	Drill Core	5.72	<0.005	<0.1	5.84	5	52	1	<0.1	1.05	<0.1	60	1.5	29	6.7	0.61	2.0	<0.05	0.24	29.3	3.6
3482648	Drill Core	6.35	0.008	<0.1	5.74	6	28	<1	<0.1	4.96	<0.1	83	2.2	52	3.1	1.36	2.7	<0.05	0.12	41.8	1.4
3482649	Drill Core	5.57	<0.005	<0.1	6.11	4	38	1	<0.1	1.34	<0.1	46	1.4	23	2.8	0.54	1.5	<0.05	0.18	21.5	1.5
3482650	Rock	0.19	<0.005	<0.1	8.21	1	48	1	<0.1	0.20	<0.1	2	<0.2	1	1.3	0.29	0.4	<0.05	3.62	0.6	24.4
3482651	Drill Core	3.84	<0.005	<0.1	5.63	8	88	2	<0.1	0.33	<0.1	6	5.0	72	8.3	1.62	3.2	<0.05	0.27	2.4	5.2
3482652	Drill Core	4.41	<0.005	<0.1	4.65	5	72	1	<0.1	0.25	<0.1	11	2.8	47	5.6	1.02	2.0	<0.05	0.27	5.1	3.6
3482653	Drill Core	3.85	0.720	<0.1	5.04	5	43	<1	0.2	0.13	<0.1	62	9.0	15	38.8	3.28	1.0	<0.05	0.18	32.0	3.4
3482654	Drill Core	3.33	0.199	<0.1	5.80	3	43	1	<0.1	0.14	<0.1	156	7.8	28	5.5	6.92	1.1	<0.05	0.15	78.5	7.0
3482655	Drill Core	3.40	0.701	<0.1	5.76	2	53	<1	0.3	0.50	<0.1	54	5.8	30	7.4	4.02	1.0	<0.05	0.19	29.6	5.5
3482656	Drill Core	3.72		<0.1	4.84	2	39	1	0.1	0.26	<0.1	39	4.3	33	8.1	3.66	1.6	<0.05	0.13	19.1	5.0
3482657	Rock	0.19	<0.005	<0.1	8.19	<1	49	<1	<0.1	0.19	<0.1	2	<0.2	1	1.6	0.32	0.4	<0.05	3.68	0.7	24.6
3482658	Drill Core	4.00	<0.005	<0.1	5.80	3	103	1	0.1	0.58	<0.1	27	1.7	23	5.2	0.71	1.4	<0.05	0.30	14.2	4.3
3482659	Drill Core	4.46	<0.005	<0.1	5.72	8	95	1	<0.1	0.69	<0.1	35	2.7	24	10.6	0.55	1.4	<0.05	0.29	18.0	4.8
3482660	Rock Pulp	0.07	0.527	0.2	7.14	4	143	<1	<0.1	6.77	<0.1	10	44.4	183	149.6	7.66	1.7	<0.05	0.19	3.8	11.7

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 04, 2019

CERTIFICATE OF ANALYSIS TIM19002557.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3482631	Drill Core	3.37	407	0.8	4.150	0.6	12.3	0.031	5.9	5.7	<0.005	<0.1	0.2	14	<1	8.0	112	<0.1	0.8	3.2	0.021
3482632	Drill Core	2.60	270	0.9	4.923	0.9	9.0	0.034	1.4	6.2	<0.005	<0.1	0.1	11	<1	0.3	104	<0.1	1.0	4.0	0.028
3482633	Drill Core	2.58	273	1.1	4.993	0.8	11.6	0.037	1.1	4.5	<0.005	<0.1	0.1	9	<1	0.2	113	<0.1	1.5	3.4	0.026
3482634	Drill Core	3.18	381	0.6	4.683	0.8	7.6	0.035	1.3	5.6	<0.005	<0.1	0.1	9	<1	0.2	103	0.1	1.6	5.3	0.023
3482635	Drill Core	3.21	381	0.6	4.260	0.7	10.4	0.034	1.1	4.7	<0.005	<0.1	0.1	8	<1	0.4	96	<0.1	1.3	2.6	0.074
3482636	Drill Core	4.55	644	0.6	1.757	6.8	67.1	0.210	5.5	62.7	<0.005	<0.1	0.7	23	<1	1.0	210	0.4	1.1	0.8	1.538
3482637	Drill Core	2.35	428	0.6	4.955	0.6	5.7	0.054	0.9	3.2	<0.005	<0.1	0.1	10	<1	<0.1	87	<0.1	1.0	3.4	0.017
3482638	Drill Core	2.15	296	0.4	5.196	0.9	9.3	0.048	1.4	4.9	<0.005	<0.1	0.2	10	<1	0.2	99	<0.1	1.3	4.0	0.032
3482639	Drill Core	3.09	401	0.3	4.686	0.4	5.3	0.031	1.0	4.1	<0.005	<0.1	<0.1	11	<1	<0.1	109	<0.1	1.4	2.0	0.013
3482640	Rock Pulp	3.96	1257	2.7	1.965	3.2	121.8	0.042	16.3	13.8	<0.005	0.4	0.4	33	<1	0.6	101	0.2	1.4	1.0	0.577
3482641	Drill Core	1.37	228	0.7	5.263	0.6	4.7	0.039	0.9	3.3	<0.005	<0.1	0.1	6	<1	<0.1	94	<0.1	<0.5	2.4	0.020
3482642	Drill Core	1.36	211	0.4	5.035	0.8	8.7	0.035	1.0	3.5	<0.005	<0.1	0.1	7	<1	0.2	90	<0.1	0.6	3.1	0.027
3482643	Drill Core	2.38	409	0.5	4.665	0.7	6.4	0.050	1.0	4.2	<0.005	<0.1	0.2	11	<1	0.1	92	<0.1	1.0	2.9	0.016
3482644	Drill Core	0.91	77	0.6	5.258	1.0	17.5	0.037	1.5	4.9	<0.005	<0.1	0.2	4	<1	0.3	108	0.1	<0.5	3.9	0.035
3482645	Drill Core	0.66	80	0.4	4.873	0.5	10.7	0.022	1.1	4.7	<0.005	<0.1	0.1	4	<1	0.2	103	<0.1	<0.5	2.2	0.021
3482646	Drill Core	0.72	60	0.4	5.097	0.9	15.3	0.028	1.1	3.1	<0.005	<0.1	0.1	4	<1	0.2	96	0.1	<0.5	2.5	0.036
3482647	Drill Core	0.84	94	0.5	5.045	0.9	16.3	0.036	1.3	4.5	<0.005	<0.1	0.2	5	<1	0.8	89	<0.1	<0.5	3.4	0.032
3482648	Drill Core	2.34	479	0.6	4.750	1.2	9.3	0.062	1.3	3.3	<0.005	<0.1	0.2	10	<1	0.3	87	0.1	1.5	6.3	0.033
3482649	Drill Core	0.75	126	0.4	5.060	0.8	6.6	0.034	1.0	4.0	<0.005	<0.1	0.2	4	<1	0.3	87	<0.1	<0.5	3.6	0.028
3482650	Rock	0.03	47	0.4	6.898	0.1	0.4	<0.001	5.0	53.1	<0.005	<0.1	<0.1	<1	<1	0.2	49	<0.1	<0.5	0.3	0.002
3482651	Drill Core	0.90	84	0.2	6.333	1.6	21.2	0.041	1.0	1.7	<0.005	<0.1	0.1	8	<1	0.3	51	0.2	<0.5	3.1	0.082
3482652	Drill Core	0.48	56	0.3	5.692	1.5	13.1	0.030	1.0	2.1	0.007	<0.1	0.1	4	<1	0.2	42	0.2	<0.5	2.3	0.075
3482653	Drill Core	0.58	77	0.3	3.900	0.7	27.8	0.019	2.3	2.3	<0.005	0.2	0.2	2	<1	0.1	39	<0.1	<0.5	2.2	0.031
3482654	Drill Core	1.48	155	1.0	3.185	1.4	56.3	0.025	0.9	2.6	<0.005	<0.1	<0.1	3	<1	0.1	34	0.1	<0.5	3.6	0.057
3482655	Drill Core	1.19	163	0.4	3.859	1.3	43.1	0.028	1.1	3.6	<0.005	<0.1	0.1	3	<1	0.2	52	0.1	<0.5	2.6	0.051
3482656	Drill Core	0.95	115	1.0	4.207	1.9	51.9	0.043	0.9	1.0	<0.005	<0.1	0.1	3	<1	<0.1	36	0.2	<0.5	2.5	0.063
3482657	Rock	0.03	55	0.4	6.978	0.1	0.6	<0.001	5.5	58.7	<0.005	<0.1	<0.1	<1	<1	0.3	49	<0.1	<0.5	0.2	0.002
3482658	Drill Core	0.89	64	0.3	5.292	0.6	12.1	0.021	1.2	7.3	<0.005	<0.1	0.1	3	<1	0.1	83	<0.1	<0.5	3.0	0.032
3482659	Drill Core	0.89	68	0.8	5.071	0.4	16.5	0.023	1.1	7.0	<0.005	<0.1	0.1	4	<1	<0.1	80	<0.1	<0.5	4.0	0.020
3482660	Rock Pulp	4.10	1413	0.9	2.177	3.3	101.0	0.040	2.9	3.6	<0.005	0.1	0.3	43	<1	0.6	104	0.2	1.4	0.4	0.661

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 04, 2019

CERTIFICATE OF ANALYSIS TIM19002557.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3482631	Drill Core	<0.5	5.8	60	2.6	21.0	1	46.7
3482632	Drill Core	<0.5	2.1	54	0.6	11.4	1	56.9
3482633	Drill Core	<0.5	1.2	50	0.6	9.5	1	57.1
3482634	Drill Core	<0.5	2.3	65	0.6	12.6	1	65.9
3482635	Drill Core	<0.5	1.0	65	0.6	13.4	2	36.7
3482636	Drill Core	<0.5	0.3	244	0.2	30.8	47	120.8
3482637	Drill Core	<0.5	1.2	35	0.5	9.6	2	43.8
3482638	Drill Core	<0.5	3.4	40	0.6	9.7	1	54.6
3482639	Drill Core	<0.5	0.8	50	0.4	9.9	1	34.0
3482640	Rock Pulp	<0.5	0.3	264	5.6	18.1	81	48.3
3482641	Drill Core	<0.5	0.8	26	0.5	5.3	<1	41.1
3482642	Drill Core	<0.5	0.9	33	0.4	5.5	<1	51.2
3482643	Drill Core	<0.5	0.8	39	0.5	8.6	1	46.2
3482644	Drill Core	<0.5	1.8	29	0.4	4.6	2	79.3
3482645	Drill Core	<0.5	1.2	17	0.2	3.4	2	39.3
3482646	Drill Core	<0.5	0.7	27	0.5	2.8	2	50.7
3482647	Drill Core	<0.5	1.1	25	0.3	4.1	1	63.5
3482648	Drill Core	<0.5	1.9	45	1.1	11.0	1	100.2
3482649	Drill Core	<0.5	1.0	22	0.4	4.9	<1	53.6
3482650	Rock	0.6	0.2	<1	<0.1	1.8	8	23.4
3482651	Drill Core	<0.5	0.6	64	1.8	3.6	5	107.9
3482652	Drill Core	<0.5	0.5	39	1.6	2.3	3	71.2
3482653	Drill Core	<0.5	0.8	12	0.9	2.5	14	30.6
3482654	Drill Core	<0.5	0.7	29	2.4	3.9	11	39.1
3482655	Drill Core	<0.5	0.9	30	1.8	3.7	15	36.3
3482656	Drill Core	<0.5	1.1	32	1.8	2.4	16	48.2
3482657	Rock	0.7	0.2	<1	<0.1	2.0	9	22.5
3482658	Drill Core	<0.5	0.6	28	0.6	2.9	3	44.7
3482659	Drill Core	<0.5	0.8	22	0.3	3.4	3	47.8
3482660	Rock Pulp	<0.5	<0.1	312	1.2	19.8	76	49.2

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 04, 2019

CERTIFICATE OF ANALYSIS TIM19002557.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3482661	Drill Core	4.12	0.028	<0.1	5.63	4	72	2	<0.1	0.56	<0.1	29	3.7	26	14.3	0.59	1.5	<0.05	0.22	14.7	2.4
3482662	Drill Core	3.94	0.079	<0.1	5.47	7	75	<1	<0.1	0.65	<0.1	111	3.2	20	22.6	0.73	1.0	<0.05	0.27	53.0	3.0
3482663	Drill Core	4.45	0.007	<0.1	5.80	14	78	1	<0.1	0.97	<0.1	95	4.7	38	42.3	0.68	1.9	<0.05	0.21	45.3	2.8
3482664	Drill Core	3.96	0.258	<0.1	4.99	30	46	1	0.3	0.79	<0.1	31	47.4	27	59.5	1.42	1.6	<0.05	0.18	14.8	1.0
3482665	Drill Core	4.16	0.013	<0.1	6.17	5	51	2	<0.1	2.01	0.7	34	3.8	24	12.0	1.02	1.8	<0.05	0.20	17.2	1.4
3482666	Drill Core	3.93	0.012	<0.1	5.88	5	64	1	<0.1	0.87	0.1	45	2.2	21	5.5	0.61	1.2	<0.05	0.20	22.9	2.1
3482667	Drill Core	4.39	0.006	<0.1	5.75	5	77	<1	<0.1	0.90	<0.1	19	2.0	28	6.4	0.80	1.5	<0.05	0.23	9.6	4.5
3482668	Drill Core	3.91	0.019	<0.1	6.46	6	44	1	<0.1	3.63	<0.1	55	6.1	42	49.9	1.65	2.4	<0.05	0.18	27.6	2.3
3482669	Drill Core	5.05	0.013	<0.1	6.61	6	95	2	<0.1	3.24	<0.1	28	3.9	38	20.9	1.42	2.0	<0.05	0.26	13.4	3.4
3482670	Drill Core	3.57	0.363	<0.1	5.88	221	49	1	2.6	2.28	<0.1	59	308.0	28	697.6	6.29	1.7	0.08	0.21	28.8	3.9
3482671	Drill Core	3.74	0.045	<0.1	6.63	11	62	1	<0.1	3.16	<0.1	27	9.7	34	7.5	1.59	2.1	<0.05	0.26	13.3	2.3
3482672	Drill Core	3.55	0.033	<0.1	6.96	10	36	<1	<0.1	2.79	<0.1	40	4.6	22	20.8	1.14	3.2	<0.05	0.17	20.0	0.8
3482673	Drill Core	3.70	0.666	<0.1	6.76	31	42	1	0.5	2.97	<0.1	45	80.5	44	105.2	2.95	2.9	<0.05	0.21	22.7	1.5
3482674	Drill Core	4.50	0.028	<0.1	7.01	14	35	1	0.1	3.98	<0.1	58	10.5	38	28.6	1.64	2.7	<0.05	0.18	30.9	1.3
3482675	Rock	0.19	<0.005	<0.1	5.34	2	24	<1	<0.1	0.18	<0.1	<1	<0.2	1	1.8	0.29	0.5	<0.05	3.63	0.3	23.1
3482676	Drill Core	5.41	0.022	<0.1	5.68	10	82	2	0.1	0.91	<0.1	32	5.2	31	17.4	0.88	1.5	<0.05	0.27	16.8	4.9
3482677	Drill Core	4.34	0.014	<0.1	7.09	11	46	1	<0.1	2.58	<0.1	61	2.6	22	6.7	1.14	1.3	<0.05	0.23	30.9	1.9
3482678	Drill Core	3.23	0.054	<0.1	6.71	2	29	<1	<0.1	2.02	<0.1	63	2.3	12	41.8	0.96	0.9	<0.05	0.17	28.4	0.7
3482679	Drill Core	3.98	<0.005	<0.1	6.79	4	51	<1	<0.1	3.21	0.2	113	1.4	18	5.6	1.04	1.0	<0.05	0.19	59.5	1.3
3482680	Rock Pulp	0.07	1.547	0.2	6.99	596	345	<1	<0.1	5.53	<0.1	35	42.2	189	77.9	8.28	3.0	<0.05	0.66	18.1	9.2
3482681	Drill Core	2.90	0.015	<0.1	6.75	4	41	1	<0.1	3.54	<0.1	36	2.3	30	4.5	1.08	1.6	<0.05	0.18	18.9	1.3
3482682	Drill Core	4.95	0.012	<0.1	7.09	4	63	1	<0.1	3.92	<0.1	59	2.0	33	4.0	1.18	2.7	<0.05	0.27	28.7	1.8
3482683	Drill Core	3.75	0.112	<0.1	6.46	55	68	1	1.3	2.55	<0.1	114	41.3	48	18.4	1.74	2.3	<0.05	0.25	61.5	2.1
3482684	Drill Core	3.18	0.054	<0.1	6.69	19	44	1	0.2	3.36	<0.1	84	14.5	71	16.0	1.22	4.0	<0.05	0.27	43.6	1.5
3482685	Drill Core	3.73	0.521	<0.1	6.92	47	36	2	1.2	2.80	<0.1	72	60.3	33	54.7	2.20	2.6	<0.05	0.36	37.9	1.6
3482686	Drill Core	3.77	0.094	<0.1	6.75	40	29	2	0.9	3.49	<0.1	93	25.3	43	8.2	1.67	2.8	<0.05	0.20	45.9	0.8
3482687	Drill Core	3.74	0.011	<0.1	6.97	8	35	1	<0.1	3.31	2.6	28	5.7	32	28.1	1.06	2.0	<0.05	0.18	14.0	0.9
3482688	Drill Core	4.12	0.011	<0.1	6.84	7	58	2	<0.1	3.32	0.9	34	2.9	29	3.6	1.07	1.7	<0.05	0.24	17.1	2.1
3482689	Drill Core	5.35	0.014	<0.1	7.45	5	38	1	<0.1	4.47	<0.1	67	1.5	25	2.5	1.18	1.4	<0.05	0.23	35.1	0.7
3482690	Drill Core	4.40	0.008	<0.1	6.48	11	61	1	<0.1	2.14	<0.1	58	2.4	45	12.5	0.90	2.7	<0.05	0.27	27.6	2.7

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 04, 2019

CERTIFICATE OF ANALYSIS TIM19002557.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3482661	Drill Core	0.61	65	0.4	5.432	0.5	12.3	0.022	1.5	3.8	<0.005	<0.1	0.2	2	<1	<0.1	53	<0.1	<0.5	3.5	0.019
3482662	Drill Core	0.68	83	0.4	4.879	0.5	13.0	0.024	1.2	4.0	<0.005	<0.1	0.2	2	<1	<0.1	71	<0.1	<0.5	2.9	0.021
3482663	Drill Core	0.76	92	0.5	5.454	0.8	19.4	0.029	1.7	4.0	<0.005	<0.1	0.2	3	<1	0.2	73	<0.1	<0.5	4.9	0.032
3482664	Drill Core	0.45	102	0.5	4.983	0.7	62.0	0.031	9.0	1.2	0.006	0.9	0.7	2	2	2.9	44	<0.1	<0.5	3.4	0.024
3482665	Drill Core	1.01	239	0.5	5.414	1.1	12.6	0.022	1.5	1.9	<0.005	0.1	0.2	3	1	0.6	62	0.1	<0.5	4.2	0.037
3482666	Drill Core	0.65	104	0.3	5.453	0.8	8.4	0.022	1.3	2.2	<0.005	<0.1	0.2	2	<1	0.2	65	<0.1	<0.5	3.3	0.030
3482667	Drill Core	0.97	101	0.4	5.105	0.7	12.9	0.026	1.1	4.1	<0.005	<0.1	0.1	4	<1	0.1	78	<0.1	<0.5	3.8	0.030
3482668	Drill Core	1.77	412	0.4	5.264	1.3	21.1	0.052	2.0	2.4	0.009	0.3	0.2	5	<1	0.3	63	0.1	0.6	6.6	0.042
3482669	Drill Core	1.81	312	0.3	5.497	1.1	14.2	0.021	1.0	3.8	<0.005	<0.1	0.1	6	<1	0.3	69	<0.1	0.7	3.9	0.040
3482670	Drill Core	1.43	244	0.2	4.868	0.5	234.1	0.193	3.7	1.6	<0.005	5.5	0.4	4	10	0.2	39	<0.1	2.6	4.2	0.020
3482671	Drill Core	1.66	348	0.3	5.897	1.7	14.1	0.030	1.0	2.8	0.007	0.2	0.2	4	<1	0.2	54	0.2	0.6	5.4	0.054
3482672	Drill Core	1.34	302	0.5	6.291	1.2	16.6	0.016	1.4	1.4	<0.005	0.2	0.2	4	<1	0.2	49	0.1	<0.5	5.6	0.042
3482673	Drill Core	1.51	282	0.3	5.782	1.1	100.4	0.035	3.7	2.0	<0.005	2.2	0.4	5	3	0.2	57	0.1	0.5	7.0	0.035
3482674	Drill Core	2.00	379	0.2	5.600	1.5	28.4	0.037	3.2	2.5	<0.005	0.4	0.3	5	<1	0.3	56	0.2	0.6	7.5	0.046
3482675	Rock	0.02	53	0.5	6.632	0.1	0.5	0.001	3.3	42.1	<0.005	<0.1	0.1	<1	<1	0.2	23	<0.1	<0.5	0.2	0.002
3482676	Drill Core	1.08	82	0.2	4.999	0.9	20.0	0.030	1.2	5.6	<0.005	<0.1	0.2	5	<1	0.3	80	<0.1	<0.5	3.7	0.038
3482677	Drill Core	1.36	280	0.1	6.034	0.7	13.3	0.019	3.4	3.2	<0.005	<0.1	0.3	4	1	0.2	63	<0.1	0.7	4.0	0.026
3482678	Drill Core	0.93	256	0.2	6.826	0.5	26.7	0.007	1.2	0.4	<0.005	0.2	0.2	3	<1	0.1	42	<0.1	<0.5	2.3	0.020
3482679	Drill Core	1.70	280	0.5	6.012	0.6	9.5	0.013	1.0	1.6	<0.005	<0.1	0.1	4	<1	0.2	59	<0.1	0.7	3.6	0.021
3482680	Rock Pulp	3.92	1870	2.5	1.984	18.6	138.2	0.167	4.8	19.4	<0.005	0.8	2.3	19	<1	1.7	349	1.1	1.0	3.2	0.934
3482681	Drill Core	1.77	301	0.6	5.902	1.1	11.0	0.024	1.3	1.6	<0.005	<0.1	0.2	4	<1	0.2	61	0.1	0.9	4.0	0.038
3482682	Drill Core	1.97	339	0.3	5.881	1.1	10.3	0.023	1.3	3.5	<0.005	<0.1	0.2	5	<1	0.7	61	0.1	1.1	5.9	0.039
3482683	Drill Core	1.25	173	1.1	5.758	1.0	115.1	0.269	22.4	5.7	0.005	1.2	0.5	6	3	36.1	81	0.1	3.0	8.4	0.039
3482684	Drill Core	1.64	243	0.4	5.815	1.4	40.9	0.155	1.9	2.7	<0.005	0.4	0.3	6	1	0.7	64	0.1	0.7	10.2	0.054
3482685	Drill Core	1.46	236	0.4	5.860	0.7	56.8	0.069	2.3	2.7	0.006	1.2	0.5	4	3	0.2	53	<0.1	1.5	6.5	0.024
3482686	Drill Core	1.69	305	0.5	6.088	1.3	24.7	0.059	2.4	1.1	<0.005	0.8	0.3	4	2	0.2	47	0.1	1.4	6.6	0.043
3482687	Drill Core	1.61	279	0.6	6.506	0.9	26.0	0.014	1.2	1.0	<0.005	0.1	0.4	3	1	0.2	52	<0.1	0.5	3.6	0.031
3482688	Drill Core	1.83	278	0.4	5.946	0.9	13.7	0.021	1.0	2.1	0.005	0.1	0.2	4	<1	0.2	65	0.1	0.7	3.5	0.033
3482689	Drill Core	2.25	386	0.3	5.923	0.6	10.2	0.013	0.8	2.5	<0.005	<0.1	0.2	5	<1	0.1	67	<0.1	1.1	3.7	0.022
3482690	Drill Core	1.24	215	1.4	6.134	1.3	25.4	0.031	1.5	1.9	<0.005	<0.1	0.3	4	<1	0.2	64	0.1	<0.5	5.2	0.046

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Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 04, 2019

CERTIFICATE OF ANALYSIS TIM19002557.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3482661	Drill Core	<0.5	0.7	20	0.6	2.3	7	54.3
3482662	Drill Core	<0.5	0.6	19	0.6	4.5	3	37.5
3482663	Drill Core	<0.5	1.0	26	0.8	4.7	36	65.9
3482664	Drill Core	<0.5	1.0	16	1.3	3.0	4	53.3
3482665	Drill Core	<0.5	1.6	17	2.1	4.5	263	62.9
3482666	Drill Core	<0.5	0.9	18	1.2	2.9	45	43.5
3482667	Drill Core	<0.5	1.0	28	0.7	3.1	2	54.4
3482668	Drill Core	<0.5	1.5	31	2.3	7.4	1	92.3
3482669	Drill Core	<0.5	0.9	36	1.7	5.5	2	64.9
3482670	Drill Core	<0.5	2.8	30	1.3	6.8	22	59.7
3482671	Drill Core	<0.5	1.6	32	3.6	5.4	2	78.9
3482672	Drill Core	<0.5	2.4	21	2.8	5.0	2	106.7
3482673	Drill Core	<0.5	2.6	29	2.4	5.7	3	104.0
3482674	Drill Core	<0.5	4.7	24	3.8	7.0	5	100.9
3482675	Rock	0.6	0.1	<1	<0.1	1.0	6	23.7
3482676	Drill Core	<0.5	1.5	34	0.9	4.4	6	51.9
3482677	Drill Core	<0.5	1.2	20	1.6	5.4	2	48.1
3482678	Drill Core	<0.5	1.1	10	1.5	4.6	4	29.5
3482679	Drill Core	<0.5	0.7	19	1.3	4.6	30	35.3
3482680	Rock Pulp	<0.5	0.8	160	1.1	19.7	102	120.6
3482681	Drill Core	<0.5	0.7	22	2.5	4.3	3	59.7
3482682	Drill Core	<0.5	1.1	27	2.0	7.0	1	91.6
3482683	Drill Core	<0.5	2.8	31	1.7	17.1	18	72.6
3482684	Drill Core	<0.5	2.9	41	3.2	11.9	3	149.6
3482685	Drill Core	<0.5	2.3	22	1.4	6.8	2	90.1
3482686	Drill Core	<0.5	1.1	26	2.2	8.2	2	101.2
3482687	Drill Core	<0.5	0.5	20	1.7	6.2	524	69.7
3482688	Drill Core	<0.5	0.9	24	1.3	5.3	196	56.1
3482689	Drill Core	<0.5	0.8	21	1.1	6.6	<1	47.2
3482690	Drill Core	<0.5	0.6	37	1.3	5.1	3	92.3

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 04, 2019

CERTIFICATE OF ANALYSIS TIM19002557.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3482691	Drill Core	3.27	<0.005	<0.1	6.58	8	43	1	<0.1	2.35	<0.1	44	1.1	33	4.3	0.82	2.4	<0.05	0.25	21.9	1.3
3482692	Drill Core	3.76	0.005	0.2	7.67	19	25	2	<0.1	4.24	0.6	65	8.4	23	131.9	1.76	1.7	<0.05	0.19	32.8	1.5
3482693	Drill Core	3.21	<0.005	<0.1	6.66	10	31	1	<0.1	2.27	<0.1	24	1.2	33	18.1	0.80	2.5	<0.05	0.18	10.9	0.7
3482694	Drill Core	3.72	0.012	<0.1	7.12	6	73	2	<0.1	3.73	<0.1	51	2.2	32	5.7	1.12	2.4	<0.05	0.49	23.9	2.7
3482695	Drill Core	2.91	<0.005	<0.1	7.17	4	58	2	<0.1	3.78	<0.1	59	1.3	40	3.9	1.09	3.7	<0.05	0.29	27.5	1.6
3482696	Drill Core	3.83	<0.005	<0.1	6.73	4	76	2	<0.1	1.59	<0.1	142	1.0	54	3.0	0.70	3.4	<0.05	0.34	62.7	2.4
3482697	Drill Core	3.53	<0.005	<0.1	5.36	13	83	2	<0.1	0.61	0.2	53	6.2	38	12.2	0.91	1.8	<0.05	0.46	27.7	7.5
3482698	Rock	0.19	<0.005	<0.1	4.94	2	27	<1	<0.1	0.16	<0.1	<1	<0.2	1	2.1	0.29	0.4	<0.05	3.71	0.3	23.2
3482699	Drill Core	2.97	0.055	<0.1	6.07	128	70	2	1.6	2.21	0.4	106	14.9	61	142.1	1.24	3.6	<0.05	0.39	56.2	4.1
3482700	Rock Pulp	0.07	5.297	0.9	6.27	22	218	<1	0.3	5.31	0.2	11	41.3	267	136.2	7.09	1.5	0.07	0.46	5.1	19.4
3482701	Drill Core	3.76	0.025	<0.1	5.99	41	51	2	<0.1	3.14	0.5	67	7.3	36	69.9	1.10	2.1	<0.05	0.29	37.4	2.9
3482702	Drill Core	3.97	0.020	<0.1	6.40	5	46	2	<0.1	3.06	<0.1	109	1.8	26	5.2	0.95	2.3	<0.05	0.21	59.2	0.9
3482703	Drill Core	3.25	0.018	<0.1	7.20	3	40	1	<0.1	4.73	<0.1	57	4.2	23	9.6	1.41	1.9	<0.05	0.20	30.0	0.9
3482704	Drill Core	5.26	0.021	<0.1	6.05	32	73	3	0.2	2.74	<0.1	65	7.3	40	51.0	1.03	2.4	<0.05	0.37	32.6	3.7
3482705	Drill Core	3.81	<0.005	<0.1	6.17	19	82	2	0.1	1.16	0.7	79	5.4	29	47.9	0.96	1.6	<0.05	0.45	41.5	5.4
3482706	Drill Core	3.13	0.010	<0.1	6.06	10	41	<1	<0.1	2.99	<0.1	72	3.5	22	13.8	0.97	1.6	<0.05	0.26	35.7	2.0
3482707	Drill Core	4.31	0.012	<0.1	6.47	6	34	1	<0.1	4.84	<0.1	76	5.3	32	7.6	1.44	2.0	<0.05	0.24	40.2	1.5
3482708	Drill Core	3.52	<0.005	<0.1	6.36	26	80	3	<0.1	1.18	<0.1	87	8.3	45	59.6	1.11	2.1	<0.05	0.53	43.2	7.7
3482709	Drill Core	5.38	0.044	<0.1	6.38	19	71	2	<0.1	1.43	<0.1	83	9.9	38	28.8	0.97	2.3	<0.05	0.38	40.9	4.6
3482710	Drill Core	4.50	0.026	<0.1	6.96	20	54	2	<0.1	2.55	<0.1	105	12.5	38	15.1	0.92	2.5	<0.05	0.26	51.1	2.3
3482711	Drill Core	5.27	0.014	<0.1	7.48	12	139	2	<0.1	1.49	<0.1	76	5.2	38	7.6	0.98	2.5	<0.05	0.45	38.1	7.5
3482712	Drill Core	3.62	<0.005	<0.1	6.02	15	98	2	<0.1	0.57	<0.1	50	5.3	45	6.1	1.02	2.6	<0.05	0.45	23.6	10.1
3482713	Drill Core	4.91	0.050	<0.1	6.85	25	42	2	<0.1	3.88	<0.1	74	17.6	40	10.8	1.34	2.2	<0.05	0.20	35.1	2.6
3482714	Drill Core	4.92	0.020	<0.1	6.52	28	110	3	<0.1	1.44	0.1	75	11.7	49	39.6	0.88	2.6	<0.05	0.34	35.8	5.1
3482715	Drill Core	4.85	0.008	<0.1	6.13	5	76	2	<0.1	1.40	<0.1	24	2.7	30	8.4	0.72	1.6	<0.05	0.25	11.5	4.9
3482716	Drill Core	5.26	0.006	<0.1	6.33	6	57	<1	<0.1	2.93	<0.1	63	2.2	28	8.6	0.98	1.5	<0.05	0.20	29.9	2.5
3482717	Drill Core	3.76	0.008	<0.1	6.83	5	56	2	<0.1	2.26	<0.1	89	3.4	33	7.3	0.90	1.8	<0.05	0.22	44.5	4.7
3482718	Drill Core	5.58	<0.005	<0.1	6.88	3	31	2	<0.1	2.49	<0.1	22	1.1	32	1.1	0.66	2.0	<0.05	0.11	11.6	0.8
3482719	Drill Core	5.95	<0.005	<0.1	6.73	5	34	3	<0.1	1.90	<0.1	41	0.8	44	2.4	0.53	2.6	<0.05	0.14	21.4	1.8
3482720	Rock Pulp	0.07	0.514	0.2	7.34	4	146	<1	<0.1	6.99	0.1	9	47.3	173	153.1	8.02	1.6	0.12	0.19	3.9	12.7

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BUREAU VERITAS MINERAL LABORATORIES Canada

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CERTIFICATE OF ANALYSIS TIM19002557.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3482691	Drill Core	1.21	230	0.6	6.481	1.1	11.0	0.023	0.8	1.3	<0.005	<0.1	<0.1	3	<1	0.2	51	<0.1	0.6	4.8	0.039
3482692	Drill Core	2.08	430	0.9	6.100	0.6	75.7	0.031	3.4	2.0	<0.005	0.5	0.9	5	2	0.2	65	<0.1	0.9	4.6	0.020
3482693	Drill Core	1.06	225	0.7	6.846	1.0	36.1	0.015	1.8	0.6	<0.005	<0.1	0.4	3	<1	0.2	45	<0.1	<0.5	4.6	0.036
3482694	Drill Core	1.98	378	0.3	5.986	1.1	16.1	0.021	1.5	4.0	<0.005	<0.1	0.3	4	<1	0.4	61	0.1	<0.5	4.9	0.041
3482695	Drill Core	1.92	338	0.5	6.209	1.5	12.2	0.040	1.3	2.3	<0.005	<0.1	0.2	5	<1	0.3	56	0.2	0.7	6.6	0.059
3482696	Drill Core	0.98	149	0.6	6.614	1.8	13.1	0.042	1.6	1.6	<0.005	<0.1	0.2	4	<1	0.4	55	0.2	<0.5	8.1	0.077
3482697	Drill Core	1.30	52	0.5	5.076	1.2	27.1	0.038	1.3	11.2	<0.005	<0.1	0.2	5	<1	0.3	75	0.1	<0.5	3.6	0.055
3482698	Rock	0.02	54	0.4	6.661	<0.1	0.5	<0.001	3.4	43.3	0.007	<0.1	<0.1	<1	<1	0.3	23	<0.1	<0.5	0.1	0.002
3482699	Drill Core	1.61	155	0.5	4.855	1.1	72.5	0.058	3.8	13.6	<0.005	0.5	0.4	9	<1	1.2	85	0.1	1.6	6.4	0.046
3482700	Rock Pulp	3.92	1269	3.0	1.899	3.2	120.0	0.041	16.0	13.3	0.007	0.4	0.3	33	<1	0.7	99	0.2	1.1	1.0	0.569
3482701	Drill Core	1.70	230	0.9	5.115	0.9	34.2	0.059	3.9	6.7	0.007	0.3	0.4	5	<1	1.6	73	<0.1	0.9	5.1	0.034
3482702	Drill Core	1.48	263	1.6	5.347	0.8	6.7	0.039	1.7	2.2	<0.005	<0.1	0.2	4	<1	0.2	55	<0.1	0.7	5.2	0.030
3482703	Drill Core	2.16	439	0.5	5.707	0.7	14.2	0.133	1.0	2.7	<0.005	<0.1	0.1	5	<1	0.1	70	<0.1	0.5	5.4	0.026
3482704	Drill Core	1.66	211	0.6	5.003	1.0	29.9	0.064	1.9	9.4	<0.005	0.2	0.4	8	2	0.3	89	0.1	0.6	6.6	0.040
3482705	Drill Core	1.29	86	0.8	4.731	0.6	26.4	0.035	3.3	19.6	<0.005	0.2	0.3	5	<1	0.2	99	<0.1	0.5	5.0	0.034
3482706	Drill Core	1.59	234	0.5	5.205	0.6	15.3	0.032	1.3	4.2	<0.005	<0.1	0.2	4	<1	0.2	63	<0.1	<0.5	3.5	0.024
3482707	Drill Core	2.45	411	0.2	4.918	0.6	14.6	0.042	1.3	4.1	<0.005	<0.1	0.2	6	<1	0.2	71	<0.1	0.9	4.9	0.021
3482708	Drill Core	1.63	83	0.4	4.824	1.0	31.8	0.049	2.8	20.1	<0.005	0.2	0.4	8	<1	0.2	110	0.1	<0.5	5.7	0.053
3482709	Drill Core	1.45	105	0.4	4.920	0.8	25.5	0.048	1.5	11.8	<0.005	0.2	0.2	6	<1	0.2	89	<0.1	<0.5	6.1	0.037
3482710	Drill Core	1.41	177	0.6	5.761	1.0	19.2	0.073	1.3	6.8	<0.005	0.2	0.2	6	<1	0.3	74	<0.1	0.7	8.0	0.041
3482711	Drill Core	1.73	109	0.6	5.507	0.9	27.2	0.045	1.2	15.5	<0.005	<0.1	0.1	8	<1	0.3	90	<0.1	<0.5	6.6	0.044
3482712	Drill Core	1.78	48	0.5	4.974	0.9	33.9	0.046	1.3	11.3	0.005	<0.1	0.1	8	1	0.2	98	0.1	<0.5	5.3	0.046
3482713	Drill Core	1.99	306	0.5	5.665	1.0	23.1	0.052	1.3	4.5	<0.005	0.3	0.2	6	<1	0.3	70	<0.1	0.8	5.1	0.041
3482714	Drill Core	1.23	97	0.4	5.429	1.1	34.5	0.048	2.0	10.4	<0.005	0.3	0.5	7	<1	0.4	81	0.1	<0.5	6.8	0.047
3482715	Drill Core	1.17	115	0.5	5.661	0.5	15.5	0.034	1.1	4.2	<0.005	<0.1	0.2	4	<1	0.2	81	<0.1	<0.5	2.9	0.024
3482716	Drill Core	1.71	222	0.2	5.551	0.6	12.4	0.025	1.1	2.6	<0.005	<0.1	0.1	4	<1	0.1	89	<0.1	<0.5	3.2	0.024
3482717	Drill Core	1.60	173	0.4	5.899	1.0	14.4	0.039	2.1	7.5	<0.005	<0.1	0.2	6	<1	1.3	96	<0.1	<0.5	5.5	0.049
3482718	Drill Core	1.33	186	0.2	6.275	0.7	6.4	0.035	2.9	1.7	<0.005	<0.1	0.1	4	<1	3.4	57	<0.1	<0.5	3.9	0.024
3482719	Drill Core	1.07	125	0.4	5.851	0.8	8.1	0.050	1.5	3.5	<0.005	<0.1	0.2	6	<1	0.2	65	<0.1	<0.5	6.5	0.038
3482720	Rock Pulp	4.22	1540	0.6	2.255	3.5	97.1	0.044	3.0	3.6	<0.005	0.1	0.4	45	<1	0.6	111	0.2	1.2	0.4	0.680

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CERTIFICATE OF ANALYSIS TIM19002557.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3482691	Drill Core	<0.5	0.6	25	1.1	4.7	<1	81.8
3482692	Drill Core	<0.5	1.6	17	1.5	9.6	125	59.1
3482693	Drill Core	<0.5	1.7	22	1.8	5.1	3	89.4
3482694	Drill Core	<0.5	0.7	30	1.8	8.2	2	84.5
3482695	Drill Core	<0.5	1.4	35	3.4	8.6	1	116.6
3482696	Drill Core	<0.5	1.2	52	1.7	7.7	<1	116.3
3482697	Drill Core	<0.5	0.7	53	0.4	3.9	33	58.0
3482698	Rock	0.6	<0.1	<1	<0.1	0.9	6	17.3
3482699	Drill Core	<0.5	3.7	51	0.8	9.2	135	123.8
3482700	Rock Pulp	<0.5	0.2	263	4.9	18.0	79	47.5
3482701	Drill Core	<0.5	1.0	30	1.5	9.0	209	74.5
3482702	Drill Core	<0.5	4.0	26	1.3	8.1	3	80.3
3482703	Drill Core	<0.5	2.6	24	3.8	12.9	2	61.1
3482704	Drill Core	<0.5	1.3	38	0.8	9.3	7	83.0
3482705	Drill Core	<0.5	1.7	41	0.4	6.0	215	59.5
3482706	Drill Core	<0.5	0.8	24	1.1	5.7	46	54.0
3482707	Drill Core	<0.5	1.7	27	1.3	7.2	2	72.3
3482708	Drill Core	<0.5	2.3	55	0.5	7.9	13	76.0
3482709	Drill Core	<0.5	2.2	38	0.6	7.2	9	81.4
3482710	Drill Core	<0.5	2.8	35	1.3	10.2	3	87.6
3482711	Drill Core	<0.5	1.3	56	0.4	7.7	2	88.4
3482712	Drill Core	<0.5	1.1	66	0.1	5.8	3	90.0
3482713	Drill Core	<0.5	0.8	36	1.9	9.0	4	80.2
3482714	Drill Core	<0.5	1.7	49	1.0	7.8	40	95.5
3482715	Drill Core	<0.5	0.7	29	0.4	3.2	2	55.5
3482716	Drill Core	<0.5	0.6	30	0.8	4.2	2	55.6
3482717	Drill Core	<0.5	2.0	35	0.9	5.5	2	58.1
3482718	Drill Core	<0.5	2.3	25	0.5	5.4	<1	60.2
3482719	Drill Core	<0.5	3.2	40	0.4	6.5	<1	91.1
3482720	Rock Pulp	<0.5	<0.1	317	1.0	20.6	78	46.7

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QUALITY CONTROL REPORT TIM19002557.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
Pulp Duplicates																					
3482649	Drill Core	5.57	<0.005	<0.1	6.11	4	38	1	<0.1	1.34	<0.1	46	1.4	23	2.8	0.54	1.5	<0.05	0.18	21.5	1.5
REP 3482649	QC			<0.1	6.14	3	40	<1	<0.1	1.35	<0.1	47	1.6	23	2.9	0.55	1.7	<0.05	0.18	22.1	1.6
3482679	Drill Core	3.98	<0.005	<0.1	6.79	4	51	<1	<0.1	3.21	0.2	113	1.4	18	5.6	1.04	1.0	<0.05	0.19	59.5	1.3
REP 3482679	QC		0.008																		
3482686	Drill Core	3.77	0.094	<0.1	6.75	40	29	2	0.9	3.49	<0.1	93	25.3	43	8.2	1.67	2.8	<0.05	0.20	45.9	0.8
REP 3482686	QC		0.096																		
3482710	Drill Core	4.50	0.026	<0.1	6.96	20	54	2	<0.1	2.55	<0.1	105	12.5	38	15.1	0.92	2.5	<0.05	0.26	51.1	2.3
REP 3482710	QC		0.030																		
Core Reject Duplicates																					
3482661	Drill Core	4.12	0.028	<0.1	5.63	4	72	2	<0.1	0.56	<0.1	29	3.7	26	14.3	0.59	1.5	<0.05	0.22	14.7	2.4
DUP 3482661	QC		0.029	<0.1	5.69	5	68	1	<0.1	0.56	<0.1	24	4.6	27	13.2	0.67	1.8	<0.05	0.24	12.3	2.8
3482695	Drill Core	2.91	<0.005	<0.1	7.17	4	58	2	<0.1	3.78	<0.1	59	1.3	40	3.9	1.09	3.7	<0.05	0.29	27.5	1.6
DUP 3482695	QC		<0.005	<0.1	7.27	4	62	1	<0.1	3.88	<0.1	62	1.2	40	3.9	1.10	3.3	<0.05	0.29	29.6	1.5
Reference Materials																					
STD OREAS25A-4A	Standard			<0.1	8.93	9	145	<1	0.3	0.26	<0.1	42	7.7	111	33.1	6.39	3.9	0.08	0.49	19.3	40.1
STD OREAS25A-4A	Standard			<0.1	8.89	10	144	1	0.3	0.27	<0.1	42	8.0	116	33.5	6.57	4.2	0.06	0.49	18.6	41.8
STD OREAS25A-4A	Standard			<0.1	8.14	10	138	<1	0.3	0.27	<0.1	37	7.3	113	32.2	6.32	3.8	0.09	0.46	17.0	40.2
STD OREAS25A-4A	Standard			<0.1	8.89	10	149	<1	0.3	0.27	<0.1	45	7.5	122	34.5	6.45	3.8	0.07	0.47	21.8	34.8
STD OREAS45E	Standard			0.3	7.17	16	246	<1	0.3	0.06	<0.1	23	58.3	1069	796.6	24.21	2.8	0.11	0.32	10.5	8.1
STD OREAS45E	Standard			0.3	7.03	17	238	<1	0.3	0.06	<0.1	22	59.2	1025	777.3	23.73	2.7	0.10	0.34	10.3	7.2
STD OREAS45H	Standard			0.1	7.69	16	326	<1	0.2	0.13	<0.1	21	85.3	636	761.5	18.74	3.2	0.10	0.21	10.9	14.6
STD OREAS45E	Standard			0.3	6.81	17	259	<1	0.3	0.06	<0.1	22	59.5	997	781.4	24.96	2.9	0.13	0.33	11.1	6.8
STD OXC145	Standard		0.210																		
STD OXC145	Standard		0.209																		
STD OXC145	Standard		0.204																		
STD OXH139	Standard		1.273																		
STD OXH139	Standard		1.313																		
STD OXH139	Standard		1.278																		

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Canada

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 04, 2019

QUALITY CONTROL REPORT TIM19002557.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
Pulp Duplicates																					
3482649	Drill Core	0.75	126	0.4	5.060	0.8	6.6	0.034	1.0	4.0	<0.005	<0.1	0.2	4	<1	0.3	87	<0.1	<0.5	3.6	0.028
REP 3482649	QC	0.75	122	0.7	5.116	0.8	6.7	0.034	1.0	4.1	<0.005	<0.1	0.1	4	<1	0.3	88	<0.1	<0.5	3.5	0.029
3482679	Drill Core	1.70	280	0.5	6.012	0.6	9.5	0.013	1.0	1.6	<0.005	<0.1	0.1	4	<1	0.2	59	<0.1	0.7	3.6	0.021
REP 3482679	QC																				
3482686	Drill Core	1.69	305	0.5	6.088	1.3	24.7	0.059	2.4	1.1	<0.005	0.8	0.3	4	2	0.2	47	0.1	1.4	6.6	0.043
REP 3482686	QC																				
3482710	Drill Core	1.41	177	0.6	5.761	1.0	19.2	0.073	1.3	6.8	<0.005	0.2	0.2	6	<1	0.3	74	<0.1	0.7	8.0	0.041
REP 3482710	QC																				
Core Reject Duplicates																					
3482661	Drill Core	0.61	65	0.4	5.432	0.5	12.3	0.022	1.5	3.8	<0.005	<0.1	0.2	2	<1	<0.1	53	<0.1	<0.5	3.5	0.019
DUP 3482661	QC	0.61	68	0.4	5.504	0.6	12.9	0.022	1.6	3.2	<0.005	<0.1	0.3	3	<1	<0.1	52	<0.1	<0.5	2.9	0.022
3482695	Drill Core	1.92	338	0.5	6.209	1.5	12.2	0.040	1.3	2.3	<0.005	<0.1	0.2	5	<1	0.3	56	0.2	0.7	6.6	0.059
DUP 3482695	QC	1.94	335	0.4	6.200	1.4	12.0	0.044	2.1	2.2	0.006	<0.1	0.1	5	<1	0.3	56	0.2	0.5	7.0	0.058
Reference Materials																					
STD OREAS25A-4A	Standard	0.35	472	2.4	0.146	19.2	44.9	0.046	23.4	52.5	<0.005	<0.1	0.5	12	2	3.7	40	1.4	<0.5	14.1	0.876
STD OREAS25A-4A	Standard	0.36	504	2.3	0.148	19.1	46.5	0.048	24.8	52.4	<0.005	<0.1	0.6	12	2	4.0	43	1.3	<0.5	14.5	0.909
STD OREAS25A-4A	Standard	0.34	462	2.5	0.111	18.4	44.6	0.048	22.8	49.2	<0.005	<0.1	0.5	11	3	3.8	40	1.4	<0.5	13.4	0.936
STD OREAS25A-4A	Standard	0.33	475	2.3	0.125	18.7	46.3	0.050	25.0	55.8	<0.005	<0.1	0.6	13	3	3.7	45	1.4	<0.5	15.7	0.868
STD OREAS45E	Standard	0.17	562	2.4	0.069	5.8	459.3	0.034	17.0	20.0	<0.005	<0.1	0.9	89	3	1.2	15	0.5	<0.5	11.8	0.541
STD OREAS45E	Standard	0.17	568	2.4	0.062	5.8	466.9	0.034	17.1	19.6	<0.005	<0.1	0.9	93	3	1.2	15	0.5	<0.5	11.9	0.520
STD OREAS45H	Standard	0.27	380	1.7	0.103	13.7	442.9	0.024	11.8	20.3	<0.005	<0.1	0.5	56	2	1.7	25	0.9	<0.5	7.0	0.877
STD OREAS45E	Standard	0.17	558	2.1	0.052	6.1	455.7	0.035	18.9	20.4	<0.005	<0.1	1.1	89	3	1.2	17	0.5	<0.5	13.2	0.525
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 04, 2019

QUALITY CONTROL REPORT TIM19002557.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
Pulp Duplicates								
3482649	Drill Core	<0.5	1.0	22	0.4	4.9	<1	53.6
REP 3482649	QC	<0.5	1.0	22	0.6	4.7	<1	53.3
3482679	Drill Core	<0.5	0.7	19	1.3	4.6	30	35.3
REP 3482679	QC							
3482686	Drill Core	<0.5	1.1	26	2.2	8.2	2	101.2
REP 3482686	QC							
3482710	Drill Core	<0.5	2.8	35	1.3	10.2	3	87.6
REP 3482710	QC							
Core Reject Duplicates								
3482661	Drill Core	<0.5	0.7	20	0.6	2.3	7	54.3
DUP 3482661	QC	<0.5	0.7	21	0.8	2.3	8	60.0
3482695	Drill Core	<0.5	1.4	35	3.4	8.6	1	116.6
DUP 3482695	QC	<0.5	1.6	34	3.2	8.5	1	113.1
Reference Materials								
STD OREAS25A-4A	Standard	<0.5	2.5	150	1.8	8.9	43	145.9
STD OREAS25A-4A	Standard	<0.5	2.6	158	1.6	9.0	40	147.8
STD OREAS25A-4A	Standard	<0.5	2.4	160	1.7	8.3	41	141.5
STD OREAS25A-4A	Standard	<0.5	2.8	155	1.8	9.6	45	139.1
STD OREAS45E	Standard	<0.5	2.2	338	1.1	7.0	43	89.8
STD OREAS45E	Standard	<0.5	2.1	325	0.9	6.9	44	85.3
STD OREAS45H	Standard	<0.5	1.5	271	0.9	9.3	36	125.9
STD OREAS45E	Standard	<0.5	2.6	304	1.0	7.7	47	86.5
STD OXC145	Standard							
STD OXC145	Standard							
STD OXC145	Standard							
STD OXH139	Standard							
STD OXH139	Standard							
STD OXH139	Standard							

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 04, 2019

QUALITY CONTROL REPORT TIM19002557.1

		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
STD OXN134	Standard		7.368																		
STD OXN134	Standard		7.564																		
STD OXN134	Standard		7.419																		
STD OXC145 Expected			0.212																		
STD OXN134 Expected			7.667																		
STD OXH139 Expected			1.312																		
STD OREAS45H Expected				0.147	7.99	16.9	332	1.09	0.17	0.135		23.6	88	602	767	19.52	3.6	0.1	0.205	12.4	13.1
STD OREAS25A-4A Expected					8.87	9.94	147	0.93	0.37	0.301		47.3	7.7	115	33.9	6.6	4.14	0.09	0.482	21.8	36.7
STD OREAS45E Expected				0.311	6.78	16.3	252		0.28	0.065	0.06	23.5	57	979	780	24.12	3.11	0.099	0.324	11	6.58
BLK	Blank		0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	2	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	0.03	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	0.2
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	0.3	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
Prep Wash																					
ROCK-TIM	Prep Blank		<0.005	<0.1	6.55	2	808	<1	<0.1	1.42	<0.1	22	4.1	3	3.2	2.02	1.7	<0.05	1.53	11.5	1.8
ROCK-TIM	Prep Blank		<0.005	<0.1	6.94	2	835	<1	<0.1	1.43	<0.1	24	4.0	4	2.9	2.05	1.9	<0.05	1.55	12.0	1.9

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 04, 2019

QUALITY CONTROL REPORT TIM19002557.1

		MA200 Mg % 0.01	MA200 Mn ppm 1	MA200 Mo ppm 0.1	MA200 Na % 0.001	MA200 Nb ppm 0.1	MA200 Ni ppm 0.1	MA200 P % 0.001	MA200 Pb ppm 0.1	MA200 Rb ppm 0.1	MA200 Re ppm 0.005	MA200 S % 0.1	MA200 Sb ppm 0.1	MA200 Sc ppm 1	MA200 Se ppm 1	MA200 Sn ppm 0.1	MA200 Sr ppm 1	MA200 Ta ppm 0.1	MA200 Te ppm 0.5	MA200 Th ppm 0.1	MA200 Ti % 0.001
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXC145 Expected																					
STD OXN134 Expected																					
STD OXH139 Expected																					
STD OREAS45H Expected		0.238	380	1.55	0.09	14.8	423	0.023	11.9	22.5			0.63	57	2.02	1.93	27.1	1.08		7.26	0.878
STD OREAS25A-4A Expected		0.327	480	2.41	0.131	20.9	45.8	0.048	25.2	61		0.047	0.65	13.7	2.4	4.06	48.5	1.4		15.8	0.93
STD OREAS45E Expected		0.156	570	2.4	0.059	6.8	454	0.034	18.2	21.2		0.046	1	93	2.97	1.32	15.9	0.54	0.1	12.9	0.559
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<1	<0.1	<0.001	<0.1	0.1	<0.001	<0.1	0.3	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	<0.001	<0.1	0.1	<0.001	<0.1	0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	<0.001	<0.1	0.3	<0.001	<0.1	0.2	<0.005	<0.1	<0.1	<1	1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.001	<0.1	0.3	<0.001	0.2	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	0.005
Prep Wash																					
ROCK-TIM	Prep Blank	0.51	664	1.3	3.333	5.0	0.9	0.040	2.2	27.5	<0.005	<0.1	<0.1	6	<1	0.6	184	0.4	<0.5	2.5	0.188
ROCK-TIM	Prep Blank	0.53	672	1.5	3.410	5.4	1.0	0.040	2.4	28.7	<0.005	<0.1	<0.1	7	<1	0.8	185	0.4	<0.5	2.5	0.196

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 04, 2019

QUALITY CONTROL REPORT TIM19002557.1

		MA200 Tl ppm 0.5	MA200 U ppm 0.1	MA200 V ppm 1	MA200 W ppm 0.1	MA200 Y ppm 0.1	MA200 Zn ppm 1	MA200 Zr ppm 0.1
STD OXN134	Standard							
STD OXN134	Standard							
STD OXN134	Standard							
STD OXC145 Expected								
STD OXN134 Expected								
STD OXH139 Expected								
STD OREAS45H Expected			1.68	263	0.99	10.4	39.7	131
STD OREAS25A-4A Expected		0.35	2.94	157	2	10.5	44.4	155
STD OREAS45E Expected		0.15	2.41	322	1.07	8.28	46.7	97
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	0.1
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	0.1
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1
Prep Wash								
ROCK-TIM	Prep Blank	<0.5	1.1	34	0.3	14.1	32	49.4
ROCK-TIM	Prep Blank	<0.5	1.1	34	0.3	14.6	34	51.1

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By: Quentin Yarie
Receiving Lab: Canada-Timmins
Received: November 13, 2019
Report Date: November 28, 2019

CERTIFICATE OF ANALYSIS TIM19002557M.1

CLIENT JOB INFORMATION

Project: SPJ
Shipment ID:
P.O. Number
Number of Samples: 1

SAMPLE DISPOSAL

RTRN-PLP Return After 90 days
RTRN-RJT Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PUL85	1	Pulverize to 85% passing 200 mesh			TIM
SPTRF	1	Split samples by riffle splitter			TIM
FS652	1	Metallic Sieve 1 kg to 150 mesh - save + and - fraction			TIM
FS652	1	Metallic Fire Assay - duplicate minus fraction analysis	50	Completed	TIM
EN002	1	Environmental disposal charge-Fire assay lead waste			TIM

ADDITIONAL COMMENTS

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC:

MAY LAI
Data Validation Specialist

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All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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Client: **MacDonald Mines Exploration Ltd.**
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Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: November 28, 2019

CERTIFICATE OF ANALYSIS TIM19002557M.1

	Method	M150 1kg	FA450	FA450	FS652	FS652	FS652
	Analyte	TotWt	-Au	-Au + Au Wt		+ Au	Au Total
	Unit	g	gm/t	gm/t	g	gm/t	gm/t
	MDL	1	0.005	0.005	0.01	0.05	0.05
3482656	Drill Core	985	1.294	1.603	41.21	17.69	2.13

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BUREAU VERITAS
MINERAL LABORATORIES
Canada

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: November 28, 2019

QUALITY CONTROL REPORT TIM19002557M.1

	Method	M150 1kg	FA450	FA450	FS652	FS652	FS652
	Analyte	TotWt	-Au	-Au	+ Au Wt	+ Au	Au Total
	Unit	g	gm/t	gm/t	g	gm/t	gm/t
	MDL	1	0.005	0.005	0.01	0.05	0.05
Reference Materials							
STD OXC145	Standard			0.212			
STD OXC145	Standard		0.210				
STD OXH139	Standard			1.254			
STD OXH139	Standard		1.273				
STD OXN134	Standard			7.546			
STD OXN134	Standard		7.368				
STD OXQ90	Standard				30.29	25.22	
STD OXQ90 Expected						24.88	
BLK	Blank				50.00	<0.05	
BLK	Blank			<0.005			
BLK	Blank			<0.005			
BLK	Blank		0.005				
BLK	Blank		<0.005				
Prep Wash							
ROCK-TIM	Prep Blank	470	<0.005	<0.005	28.31	<0.05	<0.05

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By: Quentin Yarie
Receiving Lab: Canada-Timmins
Received: November 19, 2019
Report Date: December 10, 2019

CERTIFICATE OF ANALYSIS TIM19002580.1

CLIENT JOB INFORMATION

Project: SPJ
Shipment ID:
P.O. Number
Number of Samples: 110

SAMPLE DISPOSAL

RTRN-PLP Return After 90 days
RTRN-RJT Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP85-500	105	Crush split and pulverize 250g of sample to 200mesh			TIM
SHP01	110	Per sample shipping charges for branch shipments			TIM
SLBHP	5	Sort, label and box pulps			TIM
FA450	110	50g Lead Collection Fire Assay Fusion - AAS Finish	50	Completed	TIM
EN002	110	Environmental disposal charge-Fire assay lead waste			TIM
MA200	110	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
EN001-MA	110	Environmental disposal fee - Multi-acid neutralization			VAN

ADDITIONAL COMMENTS

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC:

MAY LAI
Data Validation Specialist

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All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 10, 2019

CERTIFICATE OF ANALYSIS TIM19002580.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3482721	Drill Core	4.91	0.005	<0.1	5.52	7	40	2	<0.1	1.10	<0.1	29	1.6	26	3.0	0.44	1.9	<0.05	0.13	11.9	2.2
3482722	Drill Core	4.78	0.011	<0.1	6.56	6	34	2	<0.1	2.79	<0.1	38	2.5	40	2.3	0.80	2.7	<0.05	0.11	16.7	1.1
3482723	Drill Core	5.18	0.006	<0.1	6.76	9	23	1	<0.1	4.09	<0.1	52	4.7	24	1.5	1.11	2.3	<0.05	0.10	22.3	0.8
3482724	Drill Core	5.08	0.028	<0.1	6.50	9	20	<1	<0.1	3.93	<0.1	101	6.0	19	1.8	1.17	1.6	<0.05	0.09	49.5	0.5
3482725	Rock	0.21	<0.005	<0.1	8.72	1	47	<1	<0.1	0.21	<0.1	2	<0.2	1	1.1	0.36	0.5	<0.05	4.05	0.7	26.6
3482726	Drill Core	5.17	<0.005	<0.1	7.05	3	20	<1	<0.1	2.85	<0.1	120	1.6	14	1.5	0.85	1.5	<0.05	0.08	57.2	0.5
3482727	Drill Core	4.25	0.012	<0.1	6.77	5	25	<1	<0.1	4.15	<0.1	110	5.7	18	1.5	1.25	1.7	<0.05	0.11	52.2	0.6
3482728	Drill Core	4.38	<0.005	<0.1	7.00	4	27	<1	<0.1	4.36	<0.1	50	2.6	17	2.4	1.33	1.5	<0.05	0.11	25.3	0.5
3482729	Drill Core	4.77	0.007	<0.1	6.32	5	23	<1	<0.1	8.13	<0.1	37	5.3	24	2.0	2.24	1.3	<0.05	0.10	17.8	1.0
3482730	Drill Core	4.02	0.042	<0.1	6.72	15	22	1	<0.1	3.90	<0.1	32	16.6	19	3.6	1.31	1.5	<0.05	0.10	13.1	0.6
3482731	Drill Core	5.48	0.047	<0.1	6.57	13	22	1	<0.1	5.04	<0.1	33	8.4	22	3.0	1.60	1.3	<0.05	0.09	14.6	0.4
3482732	Drill Core	3.54	0.034	<0.1	7.33	6	19	<1	<0.1	4.90	<0.1	38	8.0	21	2.7	1.39	1.8	<0.05	0.10	16.8	0.7
3482733	Drill Core	4.55	0.149	<0.1	6.57	40	18	<1	<0.1	3.98	<0.1	26	34.8	22	7.2	1.64	1.7	<0.05	0.11	11.1	0.7
3482734	Drill Core	3.69	0.009	<0.1	6.89	4	15	1	<0.1	3.41	<0.1	22	2.2	17	2.8	0.96	1.3	<0.05	0.08	9.8	0.5
3482735	Drill Core	3.96	0.149	<0.1	7.00	19	16	<1	<0.1	4.08	<0.1	20	18.5	19	5.1	1.46	1.2	<0.05	0.10	8.9	0.4
3482736	Drill Core	3.95	0.165	<0.1	6.85	13	18	1	<0.1	3.15	<0.1	18	15.4	17	3.9	1.08	1.6	<0.05	0.11	8.3	0.5
3482737	Drill Core	4.21	0.121	<0.1	7.54	32	21	1	<0.1	5.62	<0.1	81	19.2	26	7.2	1.81	1.6	<0.05	0.13	40.9	0.8
3482738	Drill Core	2.42	0.010	<0.1	7.58	9	74	4	<0.1	4.04	<0.1	216	16.7	27	3.7	3.90	1.6	<0.05	0.61	99.5	24.4
3482739	Drill Core	3.89	0.103	<0.1	6.68	7	23	<1	<0.1	3.42	<0.1	32	8.9	20	3.9	1.12	1.3	<0.05	0.13	13.6	1.0
3482740	Rock Pulp	0.07	1.535	0.3	7.46	952	332	1	<0.1	5.70	0.2	35	42.9	193	83.0	8.60	3.0	0.05	0.64	18.2	8.9
3482741	Drill Core	4.69	0.045	<0.1	6.02	10	28	1	<0.1	3.46	<0.1	20	13.1	20	3.3	1.26	1.3	<0.05	0.11	8.7	1.5
3482742	Drill Core	4.76	0.046	<0.1	6.41	14	27	1	0.1	4.01	<0.1	34	17.7	45	8.7	1.37	2.8	<0.05	0.22	14.7	0.9
3482743	Drill Core	4.30	0.012	<0.1	7.92	4	21	2	<0.1	4.85	<0.1	45	10.4	17	2.9	1.49	1.5	<0.05	0.12	20.8	0.5
3482744	Drill Core	3.59	0.171	<0.1	6.62	16	21	2	<0.1	3.68	<0.1	43	41.4	20	4.3	1.58	1.3	<0.05	0.12	19.5	0.8
3482745	Drill Core	3.66	0.128	<0.1	6.22	8	19	<1	<0.1	8.26	<0.1	42	15.3	16	2.4	2.39	1.2	<0.05	0.12	19.3	1.0
3482746	Drill Core	3.81	0.332	<0.1	6.39	127	22	1	<0.1	3.72	<0.1	70	49.9	31	3.6	2.10	2.3	<0.05	0.13	30.6	1.5
3482747	Drill Core	3.63	0.027	<0.1	6.15	9	42	<1	<0.1	3.34	<0.1	35	5.4	15	1.5	1.07	1.1	<0.05	0.21	15.0	1.2
3482748	Drill Core	3.34	0.008	<0.1	7.84	6	20	2	<0.1	5.55	<0.1	99	7.6	21	1.8	1.58	2.0	<0.05	0.17	47.5	1.1
3482749	Drill Core	3.90	0.027	<0.1	6.71	10	16	<1	<0.1	3.70	<0.1	35	14.0	17	1.6	1.25	1.3	<0.05	0.12	15.3	0.5
3482750	Rock	0.21	<0.005	<0.1	7.78	1	37	<1	<0.1	0.19	<0.1	1	<0.2	2	1.2	0.35	0.5	<0.05	3.90	0.5	24.4

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 10, 2019

CERTIFICATE OF ANALYSIS TIM19002580.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3482721	Drill Core	0.66	97	0.7	6.151	0.8	9.9	0.040	1.3	1.0	0.005	<0.1	0.3	3	<1	0.2	56	<0.1	<0.5	2.8	0.031
3482722	Drill Core	1.40	206	0.4	6.370	1.1	9.2	0.055	1.4	1.7	<0.005	<0.1	0.2	5	<1	0.9	58	0.1	0.5	5.2	0.038
3482723	Drill Core	1.99	327	0.3	6.502	1.0	10.2	0.030	1.0	1.0	<0.005	<0.1	0.2	4	<1	0.2	61	<0.1	1.4	3.9	0.028
3482724	Drill Core	1.90	351	0.6	6.754	0.8	12.8	0.012	1.1	0.7	<0.005	<0.1	0.2	3	<1	0.2	61	<0.1	0.7	3.7	0.025
3482725	Rock	0.03	61	0.5	7.239	0.2	0.7	0.002	5.3	59.2	<0.005	<0.1	0.1	<1	<1	0.2	56	<0.1	<0.5	0.4	0.002
3482726	Drill Core	1.43	247	0.4	7.339	0.7	7.1	0.012	1.1	0.5	<0.005	<0.1	0.1	2	<1	0.1	54	<0.1	0.6	4.0	0.024
3482727	Drill Core	1.89	356	0.7	6.610	0.9	11.1	0.013	1.2	1.0	<0.005	<0.1	0.2	3	<1	0.2	66	<0.1	1.1	4.2	0.030
3482728	Drill Core	1.96	394	0.4	6.274	0.9	9.9	0.018	1.3	1.1	<0.005	<0.1	0.1	4	<1	0.2	66	<0.1	1.1	3.3	0.027
3482729	Drill Core	3.78	792	0.3	5.133	0.6	12.2	0.010	0.9	2.0	0.006	<0.1	0.1	9	<1	<0.1	86	<0.1	1.2	4.1	0.018
3482730	Drill Core	1.81	365	0.2	6.692	0.8	18.5	0.007	1.0	0.7	<0.005	0.2	0.2	3	<1	0.1	63	<0.1	1.0	3.0	0.027
3482731	Drill Core	2.17	515	0.2	6.103	0.7	14.5	0.007	1.0	1.0	<0.005	0.1	0.2	4	<1	0.1	64	<0.1	1.2	3.2	0.024
3482732	Drill Core	2.33	407	0.3	6.274	0.9	14.0	0.011	0.9	1.6	<0.005	<0.1	0.2	4	<1	0.1	70	<0.1	1.2	3.9	0.031
3482733	Drill Core	1.80	344	0.3	6.349	0.8	32.1	0.178	1.3	1.0	<0.005	0.7	0.3	3	1	0.1	64	<0.1	1.0	4.9	0.026
3482734	Drill Core	1.71	282	0.6	7.180	0.6	8.5	0.006	0.7	0.6	<0.005	<0.1	0.1	3	<1	<0.1	50	<0.1	0.6	2.4	0.022
3482735	Drill Core	1.81	352	0.3	6.437	0.7	21.2	0.006	1.1	0.9	<0.005	0.3	0.2	4	<1	<0.1	58	<0.1	0.8	3.3	0.023
3482736	Drill Core	1.60	260	0.4	7.159	0.7	19.1	0.015	1.6	0.8	<0.005	0.2	0.2	3	<1	1.3	55	<0.1	0.8	4.0	0.027
3482737	Drill Core	2.74	554	0.3	6.093	0.7	23.4	0.018	1.7	2.1	0.005	0.4	0.2	7	<1	1.1	76	<0.1	1.2	5.4	0.022
3482738	Drill Core	3.42	486	0.2	4.894	2.3	78.8	0.083	2.8	8.6	<0.005	<0.1	1.0	10	<1	0.4	81	0.2	0.7	3.8	0.413
3482739	Drill Core	1.78	322	0.4	6.596	0.7	15.0	0.010	0.9	1.2	<0.005	0.1	0.2	3	<1	<0.1	62	<0.1	0.9	2.2	0.023
3482740	Rock Pulp	3.81	2011	2.7	1.990	17.8	134.9	0.179	4.5	21.6	<0.005	0.7	2.0	19	<1	1.5	359	1.1	0.7	3.1	0.909
3482741	Drill Core	1.75	345	0.3	6.052	0.8	17.2	0.025	1.1	1.6	<0.005	0.2	0.2	4	<1	0.1	72	<0.1	1.2	2.8	0.028
3482742	Drill Core	1.81	379	0.3	6.321	1.6	19.5	0.014	1.3	2.3	<0.005	0.2	0.3	3	<1	0.2	60	0.2	0.8	6.2	0.042
3482743	Drill Core	2.25	441	0.4	6.195	0.7	12.3	0.010	0.9	1.9	<0.005	0.1	<0.1	4	<1	<0.1	70	<0.1	1.0	4.1	0.020
3482744	Drill Core	1.81	344	0.3	6.758	0.6	36.0	0.006	1.2	1.1	<0.005	0.5	0.2	3	<1	<0.1	59	<0.1	0.9	2.5	0.021
3482745	Drill Core	3.89	691	0.4	5.013	0.5	19.6	0.008	1.1	2.0	<0.005	0.2	0.1	6	<1	<0.1	90	<0.1	2.5	3.7	0.014
3482746	Drill Core	1.80	338	0.7	6.357	0.9	41.4	0.037	1.5	1.1	<0.005	1.1	0.2	3	<1	0.1	65	<0.1	0.9	4.9	0.028
3482747	Drill Core	1.67	300	0.6	5.775	0.4	10.9	0.018	1.0	3.3	<0.005	<0.1	0.1	3	<1	<0.1	80	<0.1	1.1	2.1	0.018
3482748	Drill Core	2.66	468	0.9	6.134	0.9	12.2	0.027	1.1	2.6	<0.005	<0.1	0.2	5	<1	<0.1	82	0.1	1.4	5.3	0.029
3482749	Drill Core	1.80	345	0.3	6.839	0.7	20.7	0.007	1.0	0.9	<0.005	0.2	0.1	3	<1	<0.1	55	<0.1	0.9	2.7	0.023
3482750	Rock	0.03	57	0.3	7.051	<0.1	0.6	0.001	4.6	52.6	<0.005	<0.1	0.1	<1	<1	<0.1	43	<0.1	<0.5	0.2	0.002

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 10, 2019

CERTIFICATE OF ANALYSIS TIM19002580.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3482721	Drill Core	<0.5	1.1	28	0.6	3.1	2	64.8
3482722	Drill Core	<0.5	2.3	33	1.1	4.9	3	85.8
3482723	Drill Core	<0.5	1.2	26	1.7	4.6	1	82.4
3482724	Drill Core	<0.5	0.8	21	1.7	4.8	1	57.4
3482725	Rock	0.7	0.2	<1	<0.1	2.1	7	26.1
3482726	Drill Core	<0.5	0.7	15	1.0	4.9	<1	54.3
3482727	Drill Core	<0.5	0.9	22	1.6	6.6	<1	56.9
3482728	Drill Core	<0.5	1.3	22	1.2	6.4	<1	51.2
3482729	Drill Core	<0.5	1.7	36	1.3	10.0	1	48.5
3482730	Drill Core	<0.5	1.5	21	1.8	5.5	<1	51.0
3482731	Drill Core	<0.5	1.5	25	1.9	6.9	<1	47.2
3482732	Drill Core	<0.5	1.6	24	2.2	6.8	<1	58.2
3482733	Drill Core	<0.5	1.3	21	1.8	6.9	<1	60.0
3482734	Drill Core	<0.5	0.7	18	1.1	3.3	<1	42.6
3482735	Drill Core	<0.5	1.4	21	1.6	4.9	<1	43.2
3482736	Drill Core	<0.5	1.2	19	1.4	3.3	<1	55.5
3482737	Drill Core	<0.5	1.1	27	1.5	7.9	<1	54.2
3482738	Drill Core	<0.5	4.9	88	3.0	14.1	11	53.9
3482739	Drill Core	<0.5	0.5	20	1.0	4.2	<1	41.0
3482740	Rock Pulp	<0.5	0.9	160	1.2	18.5	114	117.0
3482741	Drill Core	<0.5	1.0	23	1.3	6.3	1	48.1
3482742	Drill Core	<0.5	1.5	30	2.4	7.3	2	103.1
3482743	Drill Core	<0.5	0.8	21	1.4	8.3	<1	48.1
3482744	Drill Core	<0.5	0.7	19	1.4	7.6	<1	44.8
3482745	Drill Core	<0.5	1.0	23	0.8	9.9	1	44.1
3482746	Drill Core	<0.5	0.8	25	1.1	5.9	<1	78.6
3482747	Drill Core	<0.5	0.5	21	0.6	5.3	<1	36.2
3482748	Drill Core	<0.5	1.4	27	1.4	10.0	1	74.9
3482749	Drill Core	<0.5	0.8	20	1.3	4.3	<1	42.7
3482750	Rock	0.6	0.1	<1	<0.1	1.5	7	26.0

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Bureau Veritas Commodities Canada Ltd.

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 10, 2019

CERTIFICATE OF ANALYSIS TIM19002580.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3482751	Drill Core	3.84	<0.005	<0.1	7.96	4	23	1	<0.1	4.67	<0.1	55	2.8	26	1.1	1.33	2.1	<0.05	0.13	26.6	0.5
3482752	Drill Core	4.16	0.026	<0.1	5.98	4	20	<1	<0.1	3.72	<0.1	31	4.7	18	1.1	1.10	1.6	<0.05	0.11	12.7	0.4
3482753	Drill Core	4.93	0.021	<0.1	7.21	5	20	2	<0.1	4.60	<0.1	26	6.6	21	1.6	1.26	1.6	<0.05	0.14	11.9	0.7
3482754	Drill Core	4.08	0.271	<0.1	7.25	43	16	<1	0.2	4.03	0.1	32	56.9	22	3.7	1.83	1.2	<0.05	0.15	14.8	0.5
3482755	Drill Core	3.57	0.189	<0.1	7.48	38	14	<1	<0.1	5.53	0.1	46	25.4	25	4.7	1.79	1.2	<0.05	0.14	22.0	0.7
3482756	Drill Core	4.91	0.026	<0.1	7.45	24	24	1	<0.1	5.47	0.3	81	11.0	42	1.9	1.57	2.4	<0.05	0.13	35.9	0.7
3482757	Drill Core	4.73	0.035	<0.1	7.04	29	13	1	<0.1	6.24	0.4	55	12.4	35	2.5	1.77	2.0	<0.05	0.11	24.6	0.7
3482758	Drill Core	3.85	0.172	<0.1	6.69	23	16	1	0.1	3.58	<0.1	37	31.4	30	3.9	1.24	2.2	<0.05	0.10	16.0	0.3
3482759	Drill Core	4.76	0.021	<0.1	6.96	22	14	<1	<0.1	4.02	0.1	39	9.3	22	1.3	1.16	1.9	<0.05	0.12	17.1	0.5
3482760	Rock Pulp	0.07	5.460	0.9	6.53	25	206	<1	0.3	5.29	0.3	12	42.3	285	141.9	7.07	1.5	0.07	0.47	4.9	16.4
3482761	Drill Core	4.37	0.144	<0.1	7.47	21	21	1	<0.1	4.35	0.2	61	23.3	20	2.4	1.45	1.8	<0.05	0.14	26.9	0.9
3482762	Drill Core	4.16	0.201	<0.1	6.38	18	30	1	0.1	2.64	<0.1	36	41.0	29	5.3	1.51	1.5	<0.05	0.17	15.7	3.8
3482763	Drill Core	4.03	<0.005	0.1	6.67	6	23	1	<0.1	3.83	<0.1	33	3.9	20	2.7	1.16	1.5	<0.05	0.13	14.6	1.8
3482764	Drill Core	5.41	<0.005	<0.1	7.04	6	36	1	<0.1	3.73	0.1	26	2.7	25	1.9	1.11	1.9	<0.05	0.19	11.1	2.6
3482765	Drill Core	3.68	0.247	<0.1	6.08	80	14	<1	0.1	6.01	0.1	34	31.5	41	3.7	2.27	2.0	<0.05	0.14	15.9	1.5
3482766	Drill Core	3.79	0.324	<0.1	5.80	112	10	1	0.2	7.33	<0.1	51	47.3	49	3.1	2.58	1.7	<0.05	0.11	24.1	0.9
3482767	Drill Core	3.98	0.015	<0.1	6.96	11	25	1	<0.1	5.13	<0.1	62	7.0	31	2.2	1.53	2.2	<0.05	0.12	28.2	1.8
3482768	Drill Core	3.79	0.013	<0.1	7.14	7	17	1	<0.1	5.00	0.2	34	4.3	24	1.6	1.36	2.1	<0.05	0.11	15.4	0.7
3482769	Drill Core	3.71	0.066	<0.1	7.30	10	19	<1	<0.1	4.76	0.1	47	14.3	18	1.4	1.44	1.2	<0.05	0.11	20.8	0.6
3482770	Drill Core	3.96	0.050	<0.1	7.18	9	17	1	<0.1	4.28	<0.1	69	11.4	18	1.8	1.30	1.6	<0.05	0.12	29.6	0.5
3482771	Drill Core	4.89	0.023	<0.1	7.04	9	21	<1	<0.1	2.95	<0.1	71	14.7	17	1.6	1.08	1.3	<0.05	0.11	29.6	0.4
3482772	Drill Core	4.95	0.014	<0.1	6.52	6	21	<1	<0.1	3.50	<0.1	32	8.7	15	1.3	1.10	1.1	<0.05	0.10	13.7	0.9
3482773	Drill Core	4.93	0.212	<0.1	7.39	9	20	<1	<0.1	4.96	<0.1	68	19.2	19	2.1	1.61	1.6	<0.05	0.12	32.7	0.6
3482774	Drill Core	4.70	0.057	<0.1	6.90	10	23	1	<0.1	3.67	<0.1	58	25.2	23	1.9	1.34	1.9	<0.05	0.12	25.6	0.7
3482775	Rock	0.21	<0.005	<0.1	9.09	<1	40	<1	<0.1	0.21	<0.1	1	<0.2	2	1.3	0.39	0.4	<0.05	3.90	0.5	24.9
3482776	Drill Core	4.79	0.148	<0.1	7.47	12	20	<1	<0.1	2.90	<0.1	32	23.1	15	2.8	1.06	1.3	<0.05	0.13	13.6	0.4
3482777	Drill Core	4.77	0.068	<0.1	6.43	22	23	<1	<0.1	3.40	0.1	24	21.0	20	2.9	1.23	1.4	<0.05	0.12	10.7	0.7
3482778	Drill Core	5.01	0.021	<0.1	6.84	8	24	<1	<0.1	2.42	<0.1	40	8.4	18	1.3	0.83	1.7	<0.05	0.13	16.3	0.9
3482779	Drill Core	4.69	0.020	<0.1	6.06	10	32	<1	<0.1	3.90	0.2	56	14.4	25	3.0	1.43	1.2	<0.05	0.17	27.1	2.0
3482780	Rock Pulp	0.07	1.511	0.3	7.27	896	303	<1	<0.1	5.53	0.2	34	41.2	203	83.5	8.39	3.1	0.05	0.68	17.7	9.1

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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3482751	Drill Core	2.16	471	0.6	6.249	0.9	9.8	0.018	0.9	1.7	<0.005	<0.1	0.1	5	<1	<0.1	66	<0.1	0.8	5.3	0.028
3482752	Drill Core	1.69	313	0.2	6.791	0.9	10.0	0.013	1.0	0.7	<0.005	<0.1	0.1	3	<1	<0.1	49	0.1	0.9	2.6	0.027
3482753	Drill Core	2.11	374	0.2	6.103	0.9	12.7	0.024	0.9	1.6	<0.005	<0.1	0.1	4	<1	0.1	62	<0.1	1.3	4.1	0.028
3482754	Drill Core	1.98	311	0.4	6.431	0.9	42.9	0.015	1.4	2.1	<0.005	0.9	0.4	4	1	0.2	63	<0.1	1.8	3.1	0.029
3482755	Drill Core	2.71	472	0.5	5.819	0.7	34.0	0.004	1.5	1.8	<0.005	0.3	0.4	7	1	0.6	66	<0.1	2.1	3.4	0.022
3482756	Drill Core	2.75	455	0.4	5.790	1.0	20.7	0.013	1.0	2.3	<0.005	0.2	0.3	9	<1	0.3	57	0.1	4.2	5.6	0.039
3482757	Drill Core	3.06	489	0.4	5.617	1.0	21.3	0.013	0.9	1.3	<0.005	0.3	0.4	9	<1	0.3	55	<0.1	2.6	4.8	0.033
3482758	Drill Core	1.79	274	0.4	6.632	1.1	26.0	0.018	1.3	0.6	<0.005	0.4	0.4	5	1	0.2	41	<0.1	1.2	3.5	0.041
3482759	Drill Core	1.94	305	0.7	6.538	0.9	13.6	0.014	0.8	0.8	<0.005	0.2	0.4	5	<1	0.2	50	<0.1	1.6	3.1	0.029
3482760	Rock Pulp	4.00	1269	3.0	1.839	3.3	123.8	0.042	15.5	14.0	<0.005	0.4	0.4	33	1	0.7	103	0.2	2.9	0.9	0.559
3482761	Drill Core	2.01	364	0.5	6.611	0.9	22.1	0.023	1.2	1.6	<0.005	0.3	0.3	4	<1	0.1	65	<0.1	1.9	4.3	0.029
3482762	Drill Core	1.66	253	0.8	5.706	0.8	44.0	0.023	1.4	1.8	<0.005	0.5	0.2	4	2	0.3	91	<0.1	1.0	2.9	0.028
3482763	Drill Core	1.87	325	0.6	6.464	0.9	13.2	0.011	1.8	1.1	<0.005	<0.1	<0.1	4	<1	1.8	72	<0.1	1.4	2.7	0.032
3482764	Drill Core	1.99	351	0.4	6.376	1.1	13.6	0.021	3.6	1.5	<0.005	<0.1	0.2	5	<1	5.1	77	0.1	1.9	4.1	0.039
3482765	Drill Core	3.08	511	0.5	4.606	1.0	30.8	0.022	0.9	1.5	<0.005	0.7	0.2	6	1	0.1	63	<0.1	2.7	5.2	0.032
3482766	Drill Core	3.71	503	0.4	4.491	0.8	36.4	0.013	1.0	1.0	<0.005	1.1	0.2	14	1	0.1	57	<0.1	2.9	4.6	0.033
3482767	Drill Core	2.60	495	0.3	5.589	0.7	14.9	0.044	0.9	2.1	<0.005	<0.1	<0.1	7	<1	0.1	67	<0.1	3.1	5.5	0.024
3482768	Drill Core	2.27	446	0.3	6.080	1.0	13.9	0.014	0.9	1.1	<0.005	<0.1	0.2	5	<1	<0.1	55	<0.1	2.1	5.6	0.034
3482769	Drill Core	2.21	443	0.2	6.090	0.7	20.1	0.004	0.9	1.1	<0.005	0.2	0.2	4	<1	<0.1	62	<0.1	1.8	2.7	0.022
3482770	Drill Core	1.98	378	0.5	6.336	0.9	17.0	0.010	1.0	0.8	<0.005	0.1	<0.1	3	<1	<0.1	60	<0.1	1.4	3.9	0.030
3482771	Drill Core	1.41	318	0.5	7.089	0.8	13.9	0.005	0.9	1.1	<0.005	0.2	<0.1	3	<1	<0.1	55	<0.1	0.8	1.8	0.028
3482772	Drill Core	1.70	345	0.4	6.745	0.6	9.5	0.005	1.4	0.8	<0.005	<0.1	<0.1	2	<1	0.8	61	<0.1	1.7	1.8	0.020
3482773	Drill Core	2.39	480	1.1	6.475	0.9	18.4	0.009	1.0	1.6	<0.005	0.2	0.1	4	<1	<0.1	65	<0.1	2.7	3.8	0.032
3482774	Drill Core	1.78	366	0.7	6.729	1.1	23.5	0.012	1.0	0.9	<0.005	0.3	0.1	3	<1	0.1	64	0.1	1.6	2.8	0.039
3482775	Rock	0.03	62	0.5	6.975	0.1	0.6	<0.001	4.6	51.8	<0.005	<0.1	<0.1	<1	1	0.1	48	<0.1	<0.5	0.2	0.002
3482776	Drill Core	1.42	277	0.5	6.915	0.7	19.5	0.006	1.5	0.9	<0.005	0.3	0.1	2	1	0.9	56	<0.1	0.8	2.1	0.025
3482777	Drill Core	1.69	297	0.9	6.444	0.8	20.8	0.010	2.4	0.7	<0.005	0.3	<0.1	2	<1	2.5	62	<0.1	1.1	1.9	0.027
3482778	Drill Core	1.19	226	0.6	7.033	1.0	9.5	0.012	0.9	1.0	<0.005	0.1	0.1	2	<1	<0.1	55	<0.1	0.6	2.2	0.036
3482779	Drill Core	2.01	395	1.3	4.833	0.8	17.9	0.012	1.0	4.2	<0.005	0.2	0.2	5	1	0.1	91	<0.1	2.4	2.9	0.034
3482780	Rock Pulp	3.87	1996	2.3	1.982	17.9	137.5	0.170	4.4	19.4	0.005	0.7	2.0	19	1	1.3	340	1.1	2.1	2.8	0.903

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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3482751	Drill Core	<0.5	1.2	29	1.5	6.5	<1	73.0
3482752	Drill Core	<0.5	0.7	20	1.8	4.3	<1	53.8
3482753	Drill Core	<0.5	1.4	23	2.5	6.3	<1	57.1
3482754	Drill Core	<0.5	0.8	21	2.4	4.9	<1	44.9
3482755	Drill Core	<0.5	0.9	26	1.3	7.7	<1	49.2
3482756	Drill Core	<0.5	1.3	42	1.8	10.3	<1	85.5
3482757	Drill Core	<0.5	1.8	35	1.9	8.7	<1	70.8
3482758	Drill Core	<0.5	1.1	24	2.2	4.8	<1	79.5
3482759	Drill Core	<0.5	0.7	23	1.6	4.5	<1	71.7
3482760	Rock Pulp	<0.5	0.2	266	5.0	19.0	91	53.7
3482761	Drill Core	<0.5	1.0	23	1.1	5.9	<1	69.5
3482762	Drill Core	<0.5	0.9	28	0.9	5.2	<1	53.3
3482763	Drill Core	<0.5	0.5	25	1.4	4.7	<1	58.8
3482764	Drill Core	<0.5	0.9	32	1.2	5.2	<1	70.5
3482765	Drill Core	<0.5	1.5	40	1.8	7.3	<1	75.5
3482766	Drill Core	<0.5	1.1	47	1.5	7.5	<1	66.2
3482767	Drill Core	<0.5	1.0	34	0.7	9.5	<1	85.6
3482768	Drill Core	<0.5	1.3	27	1.7	7.3	<1	75.2
3482769	Drill Core	<0.5	1.0	22	1.0	8.1	<1	46.0
3482770	Drill Core	<0.5	0.8	22	1.3	7.0	<1	57.1
3482771	Drill Core	<0.5	0.3	25	1.1	5.9	<1	47.8
3482772	Drill Core	<0.5	0.3	19	0.7	5.8	<1	41.2
3482773	Drill Core	<0.5	0.9	25	1.4	7.5	<1	59.9
3482774	Drill Core	<0.5	0.6	24	1.4	5.4	<1	64.0
3482775	Rock	0.6	0.1	<1	<0.1	1.9	5	24.5
3482776	Drill Core	<0.5	0.4	15	1.1	3.0	<1	45.2
3482777	Drill Core	<0.5	0.5	18	1.1	3.0	<1	51.9
3482778	Drill Core	<0.5	0.3	18	1.1	3.0	<1	62.0
3482779	Drill Core	<0.5	1.0	26	1.2	8.7	<1	44.5
3482780	Rock Pulp	<0.5	0.8	159	1.2	19.5	106	120.5

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	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3482781	Drill Core	3.78	0.198	<0.1	7.62	16	18	<1	<0.1	4.62	0.1	39	21.5	21	4.6	1.49	1.4	<0.05	0.14	19.2	0.6
3482782	Drill Core	3.78	0.065	<0.1	6.79	11	20	<1	<0.1	3.19	0.1	50	15.8	19	3.3	1.07	1.4	<0.05	0.12	22.0	0.7
3482783	Drill Core	4.11	1.700	<0.1	7.07	92	21	<1	0.2	4.43	<0.1	116	109.5	23	15.8	2.64	0.9	<0.05	0.13	57.1	0.9
3482784	Drill Core	4.93	<0.005	<0.1	6.80	6	27	1	<0.1	1.99	<0.1	69	1.5	29	5.9	0.62	1.6	<0.05	0.15	32.2	1.5
3482785	Drill Core	4.41	<0.005	<0.1	7.04	2	28	1	<0.1	1.93	<0.1	19	1.1	28	1.3	0.63	1.8	<0.05	0.15	8.4	1.1
3482786	Drill Core	4.03	0.047	<0.1	7.04	8	29	<1	<0.1	5.01	0.1	57	15.3	24	3.8	1.67	1.5	<0.05	0.17	27.6	1.9
3482787	Drill Core	3.12	<0.005	<0.1	4.89	9	45	1	<0.1	0.48	0.1	31	5.3	23	7.0	0.53	0.8	<0.05	0.23	14.3	4.8
3482788	Drill Core	3.83	<0.005	<0.1	6.67	6	27	<1	<0.1	1.84	<0.1	56	5.6	28	1.4	0.61	1.8	<0.05	0.14	25.1	0.8
3482789	Drill Core	4.03	<0.005	<0.1	5.38	4	24	<1	0.2	1.77	0.2	31	3.9	28	2.7	0.83	1.4	0.06	0.14	14.3	1.8
3482790	Drill Core	4.18	0.011	<0.1	5.82	5	20	1	0.2	1.52	0.1	45	6.2	18	1.8	0.57	1.4	<0.05	0.09	19.8	0.4
3482791	Drill Core	5.93	<0.005	<0.1	4.85	4	31	<1	<0.1	1.17	<0.1	23	3.9	21	1.7	0.55	1.4	<0.05	0.16	9.0	3.1
3482792	Drill Core	5.95	0.291	<0.1	7.09	18	36	1	0.3	2.23	<0.1	133	44.6	29	3.4	1.31	1.5	<0.05	0.22	60.6	2.2
3482793	Drill Core	4.43	0.021	<0.1	6.06	9	23	1	<0.1	2.32	<0.1	37	11.6	19	1.2	0.80	1.2	<0.05	0.13	16.2	0.6
3482794	Drill Core	3.88	0.014	<0.1	6.78	16	27	1	0.1	3.33	<0.1	52	26.1	24	2.1	1.20	1.7	<0.05	0.18	23.1	0.5
3482795	Drill Core	3.98	<0.005	<0.1	7.29	5	33	2	<0.1	5.34	<0.1	26	4.3	26	1.8	1.64	1.7	<0.05	0.20	11.9	2.4
3482796	Drill Core	4.67	<0.005	<0.1	6.61	2	21	1	<0.1	3.10	<0.1	26	3.5	13	1.0	0.96	1.0	<0.05	0.12	10.6	0.6
3482797	Drill Core	4.38	0.005	<0.1	6.82	5	27	<1	<0.1	3.22	<0.1	23	5.4	20	0.8	0.98	1.2	<0.05	0.14	9.6	0.8
3482798	Rock	0.21	<0.005	<0.1	8.50	<1	45	1	<0.1	0.20	<0.1	1	<0.2	2	0.9	0.32	0.5	<0.05	4.51	0.5	26.2
3482799	Drill Core	5.39	<0.005	<0.1	6.22	4	34	1	<0.1	3.02	<0.1	22	3.1	23	1.5	0.99	1.1	<0.05	0.25	9.5	1.9
3482800	Rock Pulp	0.07	0.525	0.2	7.21	5	129	<1	<0.1	6.46	0.1	10	45.7	178	147.3	7.87	1.5	0.07	0.18	3.6	11.2
3482801	Drill Core	4.16	0.006	<0.1	6.90	11	26	<1	0.1	3.78	<0.1	20	9.5	35	1.9	1.22	2.8	<0.05	0.17	9.0	1.3
3482802	Drill Core	4.13	0.013	<0.1	6.76	15	23	2	0.1	3.41	<0.1	22	12.8	32	2.2	1.18	2.0	<0.05	0.18	9.1	1.2
3482803	Drill Core	6.12	0.006	0.1	6.55	5	20	<1	<0.1	2.47	<0.1	77	6.0	15	1.6	0.77	1.3	<0.05	0.16	33.5	0.6
3482804	Drill Core	6.70	0.027	0.5	5.79	11	19	1	<0.1	2.28	<0.1	51	12.4	13	1.8	0.75	1.6	<0.05	0.16	21.6	0.3
3482805	Drill Core	3.42	0.031	<0.1	7.46	15	23	1	<0.1	4.26	<0.1	70	19.6	27	2.4	1.43	1.9	<0.05	0.16	32.3	0.9
3482806	Drill Core	3.49	0.027	<0.1	6.78	17	35	1	0.1	1.90	<0.1	79	20.5	48	4.0	1.04	3.1	<0.05	0.26	35.2	2.3
3482807	Drill Core	4.27	<0.005	<0.1	7.03	6	23	<1	<0.1	4.46	<0.1	26	2.8	26	1.8	1.26	1.6	<0.05	0.22	12.2	1.4
3482808	Drill Core	4.38	<0.005	<0.1	7.33	9	19	<1	<0.1	5.34	<0.1	25	4.3	32	0.9	1.47	2.2	<0.05	0.17	12.2	1.1
3482809	Drill Core	3.93	0.036	<0.1	6.95	11	31	1	<0.1	3.69	<0.1	16	16.2	30	1.4	1.22	1.6	<0.05	0.21	7.3	1.9
3482810	Drill Core	3.94	<0.005	<0.1	7.47	8	27	1	<0.1	4.84	<0.1	24	9.5	31	1.3	1.45	1.9	<0.05	0.19	11.1	1.4

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 10, 2019

CERTIFICATE OF ANALYSIS TIM19002580.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3482781	Drill Core	2.30	396	0.7	6.191	1.0	30.8	0.004	1.1	1.8	<0.005	0.3	0.3	4	<1	0.1	66	<0.1	2.1	3.0	0.036
3482782	Drill Core	1.58	279	1.0	6.751	0.7	19.2	0.012	0.9	1.1	<0.005	0.2	0.2	3	<1	0.1	59	<0.1	1.1	2.2	0.026
3482783	Drill Core	2.16	449	0.5	5.983	0.5	145.3	0.010	1.5	1.6	0.006	1.6	0.3	4	3	<0.1	71	<0.1	1.8	4.3	0.018
3482784	Drill Core	1.08	160	0.6	6.519	0.8	12.0	0.026	0.9	2.1	0.006	<0.1	0.2	3	<1	0.1	65	<0.1	1.0	3.5	0.028
3482785	Drill Core	1.02	166	1.0	6.702	0.9	8.2	0.023	0.8	1.9	<0.005	<0.1	0.1	3	<1	0.2	71	<0.1	0.6	3.2	0.033
3482786	Drill Core	2.48	521	0.6	5.546	0.6	20.6	0.020	1.0	3.3	<0.005	0.2	0.2	6	1	<0.1	93	<0.1	2.3	3.5	0.021
3482787	Drill Core	0.86	43	0.3	5.037	0.4	17.6	0.023	1.1	2.1	<0.005	<0.1	0.2	3	<1	<0.1	76	<0.1	<0.5	1.7	0.018
3482788	Drill Core	0.92	139	0.5	6.692	1.2	9.0	0.046	0.9	1.2	<0.005	<0.1	0.1	2	<1	0.1	67	0.1	0.6	3.5	0.035
3482789	Drill Core	1.08	172	1.2	6.665	0.6	10.5	0.032	1.3	0.6	<0.005	<0.1	0.4	2	1	0.9	65	<0.1	0.9	2.1	0.020
3482790	Drill Core	0.74	165	0.4	8.133	0.7	7.5	0.015	3.5	0.6	<0.005	<0.1	0.4	1	<1	4.1	50	<0.1	<0.5	2.8	0.067
3482791	Drill Core	0.83	117	0.7	6.447	0.7	11.5	0.021	1.0	0.5	<0.005	<0.1	0.2	2	<1	0.2	68	<0.1	<0.5	1.8	0.024
3482792	Drill Core	1.34	209	0.5	6.820	0.9	34.1	0.037	1.6	2.3	0.006	0.6	0.4	4	1	0.1	92	<0.1	<0.5	3.5	0.030
3482793	Drill Core	1.19	222	0.7	7.502	0.7	12.1	0.020	0.9	0.6	<0.005	0.1	0.2	2	<1	0.1	59	<0.1	0.7	1.8	0.021
3482794	Drill Core	1.70	316	0.7	7.187	0.9	21.7	0.012	1.1	0.9	<0.005	0.3	0.2	3	2	0.1	71	0.1	0.9	3.1	0.024
3482795	Drill Core	2.60	558	1.2	6.302	0.9	10.7	0.026	1.0	3.5	<0.005	<0.1	0.2	7	<1	0.2	88	<0.1	2.0	3.4	0.029
3482796	Drill Core	1.63	324	0.4	6.956	0.4	8.0	0.019	0.8	0.6	0.006	<0.1	0.2	3	1	<0.1	69	<0.1	1.5	1.0	0.015
3482797	Drill Core	1.70	313	0.6	6.920	0.6	12.1	0.014	0.9	1.0	<0.005	<0.1	0.2	3	<1	0.2	78	<0.1	1.1	2.3	0.021
3482798	Rock	0.03	57	0.3	7.676	0.1	0.5	<0.001	5.2	55.2	<0.005	<0.1	<0.1	<1	<1	0.2	53	<0.1	<0.5	0.4	0.002
3482799	Drill Core	1.64	309	0.3	5.929	0.7	15.1	0.023	0.8	2.2	<0.005	<0.1	0.1	4	<1	0.2	84	<0.1	1.3	1.9	0.028
3482800	Rock Pulp	4.29	1411	0.7	2.321	3.4	94.5	0.039	2.7	3.5	<0.005	0.1	0.3	42	1	0.4	110	0.2	2.2	0.3	0.653
3482801	Drill Core	1.84	361	0.8	6.905	1.7	14.4	0.038	0.9	1.3	0.006	0.2	0.2	3	1	0.2	84	0.2	1.5	4.8	0.044
3482802	Drill Core	1.68	330	1.1	7.049	1.6	14.1	0.026	0.9	1.3	0.008	0.3	0.2	3	<1	0.2	79	0.2	1.4	3.5	0.047
3482803	Drill Core	1.24	279	0.4	7.553	0.7	7.6	0.010	0.8	0.8	<0.005	<0.1	<0.1	2	1	0.1	61	<0.1	0.6	2.6	0.025
3482804	Drill Core	1.11	224	0.3	7.479	0.6	11.8	0.020	0.8	0.5	<0.005	0.1	0.1	2	<1	0.1	56	<0.1	0.9	2.2	0.021
3482805	Drill Core	2.03	413	0.6	6.699	1.0	16.1	0.023	0.9	1.8	<0.005	0.2	0.2	5	1	0.2	81	0.1	1.8	4.3	0.029
3482806	Drill Core	1.28	199	0.4	6.329	1.4	19.5	0.035	1.5	3.0	<0.005	0.3	0.3	4	<1	0.8	85	0.2	0.9	5.6	0.044
3482807	Drill Core	2.30	406	0.8	5.979	1.0	12.4	0.019	1.8	2.4	<0.005	<0.1	0.2	5	<1	1.6	95	<0.1	2.1	3.0	0.031
3482808	Drill Core	2.63	470	0.9	6.419	1.0	10.2	0.024	0.9	2.2	0.006	<0.1	0.1	5	<1	0.2	84	<0.1	1.8	4.3	0.030
3482809	Drill Core	1.91	311	0.9	6.346	1.2	19.7	0.024	0.9	1.8	0.007	0.2	0.3	4	1	0.2	105	<0.1	1.6	3.0	0.034
3482810	Drill Core	2.39	458	0.7	6.567	1.3	13.0	0.019	1.0	2.7	0.006	0.1	0.2	5	2	0.2	91	0.2	2.5	4.3	0.040

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 10, 2019

CERTIFICATE OF ANALYSIS TIM19002580.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3482781	Drill Core	<0.5	1.1	24	1.5	5.5	<1	55.1
3482782	Drill Core	<0.5	0.6	19	1.0	3.5	<1	49.5
3482783	Drill Core	<0.5	0.7	25	0.6	8.7	<1	38.7
3482784	Drill Core	<0.5	0.5	24	0.5	3.9	<1	59.7
3482785	Drill Core	<0.5	0.6	27	0.6	4.2	<1	70.8
3482786	Drill Core	<0.5	1.1	30	0.6	8.3	<1	50.0
3482787	Drill Core	<0.5	0.3	27	0.3	2.7	1	36.1
3482788	Drill Core	<0.5	0.4	23	0.5	3.2	<1	68.5
3482789	Drill Core	<0.5	0.3	21	0.3	2.8	<1	48.4
3482790	Drill Core	<0.5	0.4	16	0.4	2.2	<1	50.5
3482791	Drill Core	<0.5	0.5	24	0.3	2.2	<1	49.4
3482792	Drill Core	<0.5	0.6	28	0.6	7.7	<1	51.2
3482793	Drill Core	<0.5	0.3	19	0.5	2.9	<1	46.6
3482794	Drill Core	<0.5	0.4	21	0.6	4.1	<1	64.2
3482795	Drill Core	<0.5	1.1	34	0.7	10.1	1	58.8
3482796	Drill Core	<0.5	0.2	14	0.3	3.9	1	33.8
3482797	Drill Core	<0.5	0.4	19	0.4	4.0	6	48.0
3482798	Rock	0.6	0.3	<1	<0.1	2.0	6	29.9
3482799	Drill Core	<0.5	0.5	26	0.5	5.7	<1	42.6
3482800	Rock Pulp	<0.5	<0.1	298	1.0	19.4	82	46.7
3482801	Drill Core	<0.5	0.9	29	1.1	5.0	<1	111.0
3482802	Drill Core	<0.5	0.7	28	1.0	5.0	<1	75.4
3482803	Drill Core	<0.5	0.3	15	1.1	4.4	<1	40.7
3482804	Drill Core	<0.5	0.3	12	1.7	3.8	<1	50.3
3482805	Drill Core	<0.5	1.1	24	1.1	6.8	<1	72.0
3482806	Drill Core	<0.5	1.5	34	0.9	6.4	1	116.4
3482807	Drill Core	<0.5	1.3	28	0.8	6.9	1	55.0
3482808	Drill Core	<0.5	1.4	30	1.0	6.2	<1	84.2
3482809	Drill Core	<0.5	0.6	27	0.7	4.2	<1	57.8
3482810	Drill Core	<0.5	1.3	28	1.0	7.4	<1	64.4

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 10, 2019

CERTIFICATE OF ANALYSIS TIM19002580.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3482811	Drill Core	3.82	0.033	<0.1	7.45	13	20	1	<0.1	4.29	<0.1	54	21.3	20	3.0	1.35	1.7	<0.05	0.14	23.5	0.7
3482812	Drill Core	4.15	0.033	<0.1	7.23	10	24	<1	<0.1	4.95	0.1	58	22.0	21	1.9	1.58	1.3	<0.05	0.17	26.1	1.0
3482813	Drill Core	3.54	3.404	<0.1	5.20	78	20	2	0.8	1.59	<0.1	86	267.5	26	14.7	3.83	1.0	<0.05	0.13	32.6	1.4
3482814	Drill Core	3.12	0.009	<0.1	6.55	7	47	1	<0.1	2.57	<0.1	11	8.0	40	1.5	1.09	2.2	<0.05	0.23	5.0	3.9
3482815	Drill Core	4.29	0.017	<0.1	7.67	12	21	<1	<0.1	2.73	<0.1	76	18.6	21	1.0	1.01	1.8	<0.05	0.14	33.1	0.3
3482816	Drill Core	3.62	0.039	<0.1	7.28	22	21	<1	0.1	2.47	<0.1	247	24.4	27	1.5	1.08	2.3	<0.05	0.16	103.7	0.8
3482817	Drill Core	4.61	0.061	<0.1	6.88	10	23	1	<0.1	2.56	<0.1	108	19.3	28	1.6	0.97	1.7	<0.05	0.18	47.3	1.1
3482818	Drill Core	5.02	0.027	<0.1	4.91	12	29	1	<0.1	1.29	<0.1	57	6.4	30	1.3	0.59	1.3	<0.05	0.19	24.6	2.7
3482819	Drill Core	4.63	0.007	<0.1	6.96	16	23	2	<0.1	2.99	<0.1	183	12.3	19	0.8	1.01	1.8	<0.05	0.19	79.5	1.0
3482820	Rock Pulp	0.07	5.249	0.9	6.36	26	204	<1	0.3	5.50	0.3	11	42.6	313	144.9	7.19	1.5	0.08	0.47	5.2	18.3
3482821	Drill Core	4.34	<0.005	<0.1	4.86	4	28	2	<0.1	1.26	<0.1	101	5.0	24	1.8	0.62	1.1	<0.05	0.18	45.2	1.9
3482822	Drill Core	5.31	<0.005	<0.1	4.90	6	24	1	<0.1	1.11	<0.1	76	4.5	20	0.9	0.58	0.9	<0.05	0.16	33.8	1.4
3482823	Drill Core	5.22	<0.005	<0.1	5.88	4	16	<1	<0.1	2.10	<0.1	33	3.6	14	1.4	0.65	1.9	<0.05	0.10	13.6	0.4
3482824	Drill Core	3.62	<0.005	<0.1	5.80	6	36	1	<0.1	1.17	<0.1	13	6.6	37	2.9	0.75	2.1	<0.05	0.23	6.3	3.5
3482825	Rock	0.21	<0.005	<0.1	8.87	<1	51	1	<0.1	0.21	<0.1	2	<0.2	1	1.5	0.36	0.3	<0.05	3.90	0.9	28.9
3482826	Drill Core	4.98	<0.005	<0.1	6.93	7	27	<1	<0.1	4.79	<0.1	37	5.2	22	1.4	1.40	1.4	<0.05	0.15	19.4	0.8
3482827	Drill Core	4.16	0.006	<0.1	6.81	4	18	<1	<0.1	2.21	<0.1	18	3.5	10	0.8	0.65	0.9	<0.05	0.12	7.9	0.4
3482828	Drill Core	5.00	0.028	<0.1	5.13	21	46	<1	<0.1	0.55	<0.1	12	17.0	16	8.9	0.52	1.1	<0.05	0.21	5.8	2.5
3482829	Drill Core	4.97	<0.005	<0.1	6.85	6	26	<1	<0.1	3.02	<0.1	14	8.2	28	6.5	0.96	1.9	<0.05	0.13	6.9	0.9
3482830	Drill Core	3.12	<0.005	<0.1	5.68	5	53	1	<0.1	0.64	<0.1	30	4.0	26	1.4	0.68	1.2	<0.05	0.24	14.3	4.6

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 10, 2019

CERTIFICATE OF ANALYSIS TIM19002580.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3482811	Drill Core	2.02	392	0.6	7.054	0.8	17.9	0.021	1.0	1.2	<0.005	0.2	0.2	3	1	0.1	81	<0.1	2.2	3.6	0.025
3482812	Drill Core	2.32	495	0.2	6.336	0.5	17.2	0.014	1.0	2.3	<0.005	0.2	0.2	6	2	0.1	87	<0.1	1.4	2.7	0.016
3482813	Drill Core	0.91	172	0.3	6.024	0.4	137.6	0.026	2.0	0.6	<0.005	3.7	0.5	3	8	0.1	63	<0.1	0.6	3.1	0.013
3482814	Drill Core	1.79	247	0.5	5.856	1.2	23.1	0.033	1.1	2.5	<0.005	<0.1	0.2	7	<1	0.4	130	0.1	1.2	3.4	0.043
3482815	Drill Core	1.40	284	0.3	7.829	0.8	12.4	0.024	0.9	1.2	<0.005	0.2	0.2	2	<1	0.1	71	<0.1	0.6	3.0	0.028
3482816	Drill Core	1.31	236	0.5	7.736	1.2	18.2	0.033	1.3	0.8	<0.005	0.4	0.2	2	<1	0.3	67	0.1	0.8	5.6	0.033
3482817	Drill Core	1.46	228	0.6	6.677	0.6	16.4	0.037	1.2	1.4	<0.005	0.2	0.1	3	2	0.3	85	<0.1	0.8	3.2	0.021
3482818	Drill Core	0.87	115	0.8	5.570	0.7	14.9	0.033	1.1	1.1	<0.005	0.1	0.2	3	<1	0.3	82	<0.1	0.8	2.2	0.025
3482819	Drill Core	1.55	251	0.5	6.857	0.7	13.8	0.052	1.3	1.5	<0.005	0.2	0.2	3	1	0.2	86	<0.1	1.5	4.3	0.020
3482820	Rock Pulp	4.19	1220	3.2	1.988	3.2	119.8	0.040	16.2	14.2	<0.005	0.4	0.4	33	1	0.5	111	0.2	3.3	0.9	0.564
3482821	Drill Core	0.83	116	0.4	5.484	0.5	13.3	0.025	1.1	1.0	<0.005	0.1	0.2	3	<1	0.1	74	<0.1	0.6	1.9	0.018
3482822	Drill Core	0.72	100	0.4	5.545	0.4	9.8	0.024	0.9	0.9	<0.005	0.1	0.2	2	1	0.1	77	<0.1	<0.5	1.6	0.017
3482823	Drill Core	1.00	186	0.5	7.222	0.7	6.4	0.053	0.8	0.5	<0.005	<0.1	0.1	1	1	0.2	54	<0.1	0.5	2.0	0.024
3482824	Drill Core	1.01	107	0.4	5.145	1.5	19.0	0.051	1.7	2.5	<0.005	0.1	0.2	4	<1	1.1	106	0.1	<0.5	3.8	0.051
3482825	Rock	0.03	60	0.3	6.781	0.2	0.5	<0.001	5.7	55.5	<0.005	<0.1	0.1	<1	<1	0.3	61	<0.1	<0.5	0.3	0.002
3482826	Drill Core	2.37	494	0.5	5.809	1.1	9.6	0.019	2.2	2.8	<0.005	<0.1	0.2	5	<1	2.0	80	0.1	1.0	4.0	0.031
3482827	Drill Core	1.09	193	0.4	6.627	0.4	6.2	0.034	0.9	1.0	<0.005	<0.1	0.1	2	<1	<0.1	60	<0.1	<0.5	1.8	0.014
3482828	Drill Core	0.56	76	0.4	4.601	0.6	20.1	0.022	2.0	3.1	<0.005	<0.1	0.2	3	<1	0.3	81	<0.1	<0.5	1.7	0.030
3482829	Drill Core	1.52	268	0.6	6.132	1.3	21.2	0.036	1.2	2.1	<0.005	0.1	0.2	3	<1	0.3	71	0.1	0.5	6.2	0.049
3482830	Drill Core	0.89	71	0.3	4.653	0.8	16.8	0.030	1.3	3.8	<0.005	<0.1	0.2	4	<1	0.3	113	<0.1	<0.5	3.0	0.036

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 10, 2019

CERTIFICATE OF ANALYSIS TIM19002580.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3482811	Drill Core	<0.5	0.8	19	0.9	6.0	<1	63.2
3482812	Drill Core	<0.5	1.1	21	0.6	7.7	<1	44.9
3482813	Drill Core	<0.5	1.4	28	0.3	11.7	<1	40.3
3482814	Drill Core	<0.5	1.0	44	0.7	5.5	2	75.9
3482815	Drill Core	<0.5	0.6	17	0.6	5.9	<1	66.4
3482816	Drill Core	<0.5	0.6	25	0.9	6.6	<1	80.2
3482817	Drill Core	<0.5	0.7	21	0.5	4.7	<1	59.0
3482818	Drill Core	<0.5	0.4	22	0.3	3.6	2	44.1
3482819	Drill Core	<0.5	0.7	15	0.4	5.9	<1	63.0
3482820	Rock Pulp	<0.5	0.2	256	5.2	18.5	90	50.9
3482821	Drill Core	<0.5	0.6	15	0.2	3.8	<1	43.4
3482822	Drill Core	<0.5	0.6	13	0.2	3.4	1	32.1
3482823	Drill Core	<0.5	0.4	13	0.5	2.9	<1	64.0
3482824	Drill Core	<0.5	0.8	30	0.5	3.7	2	72.4
3482825	Rock	0.5	0.2	<1	<0.1	2.6	7	18.7
3482826	Drill Core	<0.5	1.3	32	1.1	6.9	<1	52.0
3482827	Drill Core	<0.5	0.4	11	0.3	2.5	<1	32.3
3482828	Drill Core	<0.5	0.7	19	0.2	2.8	1	32.5
3482829	Drill Core	<0.5	1.6	25	1.3	6.8	<1	67.5
3482830	Drill Core	<0.5	0.7	29	0.2	3.8	2	40.6

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
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Project: SPJ
Report Date: December 10, 2019

QUALITY CONTROL REPORT TIM19002580.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
Pulp Duplicates																					
3482726	Drill Core	5.17	<0.005	<0.1	7.05	3	20	<1	<0.1	2.85	<0.1	120	1.6	14	1.5	0.85	1.5	<0.05	0.08	57.2	0.5
REP 3482726	QC			<0.1	7.41	3	20	1	<0.1	2.93	<0.1	119	1.4	13	1.2	0.88	1.5	<0.05	0.09	55.8	0.4
3482751	Drill Core	3.84	<0.005	<0.1	7.96	4	23	1	<0.1	4.67	<0.1	55	2.8	26	1.1	1.33	2.1	<0.05	0.13	26.6	0.5
REP 3482751	QC		0.005																		
3482760	Rock Pulp	0.07	5.460	0.9	6.53	25	206	<1	0.3	5.29	0.3	12	42.3	285	141.9	7.07	1.5	0.07	0.47	4.9	16.4
REP 3482760	QC			0.9	6.43	23	209	<1	0.3	5.32	0.4	12	42.8	267	140.7	7.13	1.6	0.07	0.49	4.9	16.3
3482769	Drill Core	3.71	0.066	<0.1	7.30	10	19	<1	<0.1	4.76	0.1	47	14.3	18	1.4	1.44	1.2	<0.05	0.11	20.8	0.6
REP 3482769	QC		0.052																		
3482785	Drill Core	4.41	<0.005	<0.1	7.04	2	28	1	<0.1	1.93	<0.1	19	1.1	28	1.3	0.63	1.8	<0.05	0.15	8.4	1.1
REP 3482785	QC		<0.005																		
3482788	Drill Core	3.83	<0.005	<0.1	6.67	6	27	<1	<0.1	1.84	<0.1	56	5.6	28	1.4	0.61	1.8	<0.05	0.14	25.1	0.8
REP 3482788	QC		<0.005																		
3482795	Drill Core	3.98	<0.005	<0.1	7.29	5	33	2	<0.1	5.34	<0.1	26	4.3	26	1.8	1.64	1.7	<0.05	0.20	11.9	2.4
REP 3482795	QC			<0.1	7.29	4	35	<1	<0.1	5.21	<0.1	27	3.8	26	1.9	1.62	1.5	<0.05	0.19	12.6	1.9
3482814	Drill Core	3.12	0.009	<0.1	6.55	7	47	1	<0.1	2.57	<0.1	11	8.0	40	1.5	1.09	2.2	<0.05	0.23	5.0	3.9
REP 3482814	QC		0.007																		
Core Reject Duplicates																					
3482734	Drill Core	3.69	0.009	<0.1	6.89	4	15	1	<0.1	3.41	<0.1	22	2.2	17	2.8	0.96	1.3	<0.05	0.08	9.8	0.5
DUP 3482734	QC		0.008	<0.1	6.59	4	16	<1	<0.1	3.27	<0.1	23	1.9	17	3.0	1.16	1.3	<0.05	0.09	10.5	0.6
3482768	Drill Core	3.79	0.013	<0.1	7.14	7	17	1	<0.1	5.00	0.2	34	4.3	24	1.6	1.36	2.1	<0.05	0.11	15.4	0.7
DUP 3482768	QC		0.007	<0.1	7.30	6	18	2	<0.1	5.04	<0.1	37	3.6	26	1.3	1.41	2.1	<0.05	0.11	16.7	0.5
3482802	Drill Core	4.13	0.013	<0.1	6.76	15	23	2	0.1	3.41	<0.1	22	12.8	32	2.2	1.18	2.0	<0.05	0.18	9.1	1.2
DUP 3482802	QC		0.014	<0.1	6.77	17	26	<1	0.2	3.30	<0.1	20	14.8	37	2.3	1.23	2.4	<0.05	0.18	9.0	0.9
Reference Materials																					
STD OREAS25A-4A	Standard			<0.1	8.66	10	148	<1	0.3	0.25	<0.1	42	7.5	112	37.4	6.63	4.0	0.08	0.44	17.3	39.3
STD OREAS25A-4A	Standard			<0.1	9.19	9	135	<1	0.2	0.28	<0.1	45	8.0	122	35.5	6.61	4.0	0.07	0.49	19.1	37.1
STD OREAS25A-4A	Standard			<0.1	8.64	9	130	1	0.3	0.26	0.1	39	7.4	112	33.5	6.30	3.5	0.10	0.45	17.0	30.9
STD OREAS25A-4A	Standard			<0.1	8.96	10	154	<1	0.4	0.29	<0.1	47	7.7	106	34.5	6.62	4.1	0.09	0.48	21.6	36.4

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Project: SPJ
Report Date: December 10, 2019

QUALITY CONTROL REPORT TIM19002580.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
Pulp Duplicates																					
3482726	Drill Core	1.43	247	0.4	7.339	0.7	7.1	0.012	1.1	0.5	<0.005	<0.1	0.1	2	<1	0.1	54	<0.1	0.6	4.0	0.024
REP 3482726	QC	1.46	238	0.5	7.326	0.6	6.5	0.010	1.0	0.6	<0.005	<0.1	0.1	2	<1	<0.1	54	<0.1	0.6	4.2	0.020
3482751	Drill Core	2.16	471	0.6	6.249	0.9	9.8	0.018	0.9	1.7	<0.005	<0.1	0.1	5	<1	<0.1	66	<0.1	0.8	5.3	0.028
REP 3482751	QC																				
3482760	Rock Pulp	4.00	1269	3.0	1.839	3.3	123.8	0.042	15.5	14.0	<0.005	0.4	0.4	33	1	0.7	103	0.2	2.9	0.9	0.559
REP 3482760	QC	3.96	1262	3.2	1.852	3.2	121.4	0.041	15.6	14.0	<0.005	0.4	0.4	32	<1	0.6	104	0.2	3.2	0.9	0.559
3482769	Drill Core	2.21	443	0.2	6.090	0.7	20.1	0.004	0.9	1.1	<0.005	0.2	0.2	4	<1	<0.1	62	<0.1	1.8	2.7	0.022
REP 3482769	QC																				
3482785	Drill Core	1.02	166	1.0	6.702	0.9	8.2	0.023	0.8	1.9	<0.005	<0.1	0.1	3	<1	0.2	71	<0.1	0.6	3.2	0.033
REP 3482785	QC																				
3482788	Drill Core	0.92	139	0.5	6.692	1.2	9.0	0.046	0.9	1.2	<0.005	<0.1	0.1	2	<1	0.1	67	0.1	0.6	3.5	0.035
REP 3482788	QC																				
3482795	Drill Core	2.60	558	1.2	6.302	0.9	10.7	0.026	1.0	3.5	<0.005	<0.1	0.2	7	<1	0.2	88	<0.1	2.0	3.4	0.029
REP 3482795	QC	2.58	525	1.2	6.304	1.0	10.0	0.027	1.0	3.4	<0.005	<0.1	0.2	7	<1	0.3	93	<0.1	2.5	3.8	0.028
3482814	Drill Core	1.79	247	0.5	5.856	1.2	23.1	0.033	1.1	2.5	<0.005	<0.1	0.2	7	<1	0.4	130	0.1	1.2	3.4	0.043
REP 3482814	QC																				
Core Reject Duplicates																					
3482734	Drill Core	1.71	282	0.6	7.180	0.6	8.5	0.006	0.7	0.6	<0.005	<0.1	0.1	3	<1	<0.1	50	<0.1	0.6	2.4	0.022
DUP 3482734	QC	1.68	289	0.5	6.928	0.6	9.2	0.006	0.8	0.6	<0.005	<0.1	0.1	3	<1	0.1	49	<0.1	0.7	2.3	0.022
3482768	Drill Core	2.27	446	0.3	6.080	1.0	13.9	0.014	0.9	1.1	<0.005	<0.1	0.2	5	<1	<0.1	55	<0.1	2.1	5.6	0.034
DUP 3482768	QC	2.41	464	0.9	5.969	1.2	12.7	0.013	0.9	1.3	<0.005	<0.1	0.1	5	<1	0.2	61	0.1	2.1	6.0	0.035
3482802	Drill Core	1.68	330	1.1	7.049	1.6	14.1	0.026	0.9	1.3	0.008	0.3	0.2	3	<1	0.2	79	0.2	1.4	3.5	0.047
DUP 3482802	QC	1.66	333	1.2	6.994	1.8	15.2	0.030	0.9	1.3	<0.005	0.3	0.2	3	<1	0.2	79	0.2	0.9	3.7	0.049
Reference Materials																					
STD OREAS25A-4A	Standard	0.31	454	2.1	0.137	19.6	45.7	0.051	24.0	56.5	<0.005	<0.1	0.6	12	2	3.7	41	1.5	<0.5	13.8	0.897
STD OREAS25A-4A	Standard	0.38	493	2.4	0.160	18.9	46.2	0.050	22.3	54.5	<0.005	<0.1	0.5	12	2	3.4	42	1.3	<0.5	13.8	0.899
STD OREAS25A-4A	Standard	0.33	464	2.2	0.152	18.1	44.3	0.045	21.4	50.4	<0.005	<0.1	0.5	12	3	3.2	42	1.3	<0.5	12.7	0.889
STD OREAS25A-4A	Standard	0.34	448	2.5	0.132	19.3	46.7	0.045	25.0	59.9	<0.005	<0.1	0.5	12	3	4.0	45	1.4	<0.5	16.1	0.922

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 10, 2019

QUALITY CONTROL REPORT TIM19002580.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
Pulp Duplicates								
3482726	Drill Core	<0.5	0.7	15	1.0	4.9	<1	54.3
REP 3482726	QC	<0.5	0.8	16	1.0	4.7	<1	53.6
3482751	Drill Core	<0.5	1.2	29	1.5	6.5	<1	73.0
REP 3482751	QC							
3482760	Rock Pulp	<0.5	0.2	266	5.0	19.0	91	53.7
REP 3482760	QC	<0.5	0.2	268	5.4	18.5	87	50.9
3482769	Drill Core	<0.5	1.0	22	1.0	8.1	<1	46.0
REP 3482769	QC							
3482785	Drill Core	<0.5	0.6	27	0.6	4.2	<1	70.8
REP 3482785	QC							
3482788	Drill Core	<0.5	0.4	23	0.5	3.2	<1	68.5
REP 3482788	QC							
3482795	Drill Core	<0.5	1.1	34	0.7	10.1	1	58.8
REP 3482795	QC	<0.5	1.1	33	0.8	10.4	<1	57.2
3482814	Drill Core	<0.5	1.0	44	0.7	5.5	2	75.9
REP 3482814	QC							
Core Reject Duplicates								
3482734	Drill Core	<0.5	0.7	18	1.1	3.3	<1	42.6
DUP 3482734	QC	<0.5	1.0	18	1.3	3.3	<1	41.8
3482768	Drill Core	<0.5	1.3	27	1.7	7.3	<1	75.2
DUP 3482768	QC	<0.5	1.4	29	1.6	8.1	<1	88.9
3482802	Drill Core	<0.5	0.7	28	1.0	5.0	<1	75.4
DUP 3482802	QC	<0.5	0.7	30	1.3	5.2	<1	85.8
Reference Materials								
STD OREAS25A-4A	Standard	<0.5	2.6	156	1.8	8.7	42	150.9
STD OREAS25A-4A	Standard	<0.5	2.5	157	1.6	9.1	47	148.6
STD OREAS25A-4A	Standard	<0.5	2.5	154	1.7	8.6	46	141.4
STD OREAS25A-4A	Standard	<0.5	2.9	159	1.7	10.0	50	145.1

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 10, 2019

QUALITY CONTROL REPORT TIM19002580.1

		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
STD OREAS45E	Standard			0.3	7.11	18	275	<1	0.3	0.06	<0.1	22	61.5	1025	787.9	24.59	2.9	0.18	0.33	9.5	6.9
STD OREAS45H	Standard			0.2	8.32	15	315	1	0.2	0.13	<0.1	23	90.1	681	782.2	20.07	2.9	0.10	0.21	10.9	13.6
STD OREAS45E	Standard			0.3	6.92	16	224	<1	0.3	0.06	<0.1	20	59.0	1087	795.8	25.25	2.6	0.10	0.35	6.8	6.7
STD OREAS45E	Standard			0.3	6.53	15	259	<1	0.3	0.05	<0.1	23	57.1	933	740.7	22.81	2.8	0.10	0.31	12.2	7.1
STD OXC145	Standard		0.209																		
STD OXC145	Standard		0.205																		
STD OXC145	Standard		0.202																		
STD OXC145	Standard		0.207																		
STD OXC145	Standard		0.200																		
STD OXC145	Standard		0.209																		
STD OXH139	Standard		1.270																		
STD OXH139	Standard		1.282																		
STD OXH139	Standard		1.253																		
STD OXH139	Standard		1.305																		
STD OXH139	Standard		1.240																		
STD OXH139	Standard		1.284																		
STD OXN134	Standard		7.318																		
STD OXN134	Standard		7.424																		
STD OXN134	Standard		7.517																		
STD OXN134	Standard		7.630																		
STD OXN134	Standard		7.687																		
STD OXC145 Expected			0.212																		
STD OXN134 Expected			7.667																		
STD OXH139 Expected			1.312																		
STD OREAS45H Expected				0.147	7.99	16.9	332	1.09	0.17	0.135		23.6	88	602	767	19.52	3.6	0.1	0.205	12.4	13.1
STD OREAS25A-4A Expected					8.87	9.94	147	0.93	0.37	0.301		47.3	7.7	115	33.9	6.6	4.14	0.09	0.482	21.8	36.7
STD OREAS45E Expected				0.311	6.78	16.3	252		0.28	0.065	0.06	23.5	57	979	780	24.12	3.11	0.099	0.324	11	6.58
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 10, 2019

QUALITY CONTROL REPORT TIM19002580.1

		MA200 Mg % 0.01	MA200 Mn ppm 1	MA200 Mo ppm 0.1	MA200 Na % 0.001	MA200 Nb ppm 0.1	MA200 Ni ppm 0.1	MA200 P % 0.001	MA200 Pb ppm 0.1	MA200 Rb ppm 0.1	MA200 Re ppm 0.005	MA200 S % 0.1	MA200 Sb ppm 0.1	MA200 Sc ppm 1	MA200 Se ppm 1	MA200 Sn ppm 0.1	MA200 Sr ppm 1	MA200 Ta ppm 0.1	MA200 Te ppm 0.5	MA200 Th ppm 0.1	MA200 Ti % 0.001
STD OREAS45E	Standard	0.16	555	2.4	0.061	6.4	484.6	0.037	18.3	21.8	<0.005	<0.1	1.0	93	3	1.2	16	0.5	<0.5	12.6	0.515
STD OREAS45H	Standard	0.28	417	1.5	0.101	12.9	458.7	0.024	11.3	22.1	<0.005	<0.1	0.6	56	2	1.7	27	0.9	<0.5	6.7	0.876
STD OREAS45E	Standard	0.19	574	2.5	0.070	6.0	471.0	0.036	17.1	19.8	<0.005	<0.1	0.9	94	2	1.1	15	0.5	<0.5	11.0	0.530
STD OREAS45E	Standard	0.16	539	2.6	0.049	5.8	458.9	0.033	18.6	21.1	<0.005	<0.1	0.9	88	3	1.3	15	0.5	<0.5	12.9	0.505
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
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STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXC145 Expected																					
STD OXN134 Expected																					
STD OXH139 Expected																					
STD OREAS45H Expected		0.238	380	1.55	0.09	14.8	423	0.023	11.9	22.5			0.63	57	2.02	1.93	27.1	1.08		7.26	0.878
STD OREAS25A-4A Expected		0.327	480	2.41	0.131	20.9	45.8	0.048	25.2	61		0.047	0.65	13.7	2.4	4.06	48.5	1.4		15.8	0.93
STD OREAS45E Expected		0.156	570	2.4	0.059	6.8	454	0.034	18.2	21.2		0.046	1	93	2.97	1.32	15.9	0.54	0.1	12.9	0.559
BLK	Blank																				
BLK	Blank																				

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QUALITY CONTROL REPORT TIM19002580.1

		MA200 Tl ppm 0.5	MA200 U ppm 0.1	MA200 V ppm 1	MA200 W ppm 0.1	MA200 Y ppm 0.1	MA200 Zn ppm 1	MA200 Zr ppm 0.1
STD OREAS45E	Standard	<0.5	2.5	327	1.1	7.2	48	96.8
STD OREAS45H	Standard	<0.5	1.4	275	0.8	8.8	44	120.6
STD OREAS45E	Standard	<0.5	2.3	328	0.8	6.4	48	92.8
STD OREAS45E	Standard	<0.5	2.4	308	1.0	8.0	45	88.8
STD OXC145	Standard							
STD OXC145	Standard							
STD OXC145	Standard							
STD OXC145	Standard							
STD OXC145	Standard							
STD OXC145	Standard							
STD OXH139	Standard							
STD OXH139	Standard							
STD OXH139	Standard							
STD OXH139	Standard							
STD OXH139	Standard							
STD OXH139	Standard							
STD OXN134	Standard							
STD OXN134	Standard							
STD OXN134	Standard							
STD OXN134	Standard							
STD OXN134	Standard							
STD OXC145 Expected								
STD OXN134 Expected								
STD OXH139 Expected								
STD OREAS45H Expected			1.68	263	0.99	10.4	39.7	131
STD OREAS25A-4A Expected		0.35	2.94	157	2	10.5	44.4	155
STD OREAS45E Expected		0.15	2.41	322	1.07	8.28	46.7	97
BLK	Blank							
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QUALITY CONTROL REPORT TIM19002580.1

		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
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BLK	Blank		<0.005																		
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	2	0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
Prep Wash																					
ROCK-TIM	Prep Blank		<0.005	<0.1	6.69	2	870	<1	<0.1	1.47	<0.1	23	4.6	2	3.7	2.13	1.8	<0.05	1.64	10.6	1.5
ROCK-TIM	Prep Blank		0.006	<0.1	6.58	2	741	<1	<0.1	1.58	<0.1	21	4.3	3	4.0	2.10	1.7	<0.05	1.55	9.4	1.4

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QUALITY CONTROL REPORT TIM19002580.1

		MA200 Mg % 0.01	MA200 Mn ppm 1	MA200 Mo ppm 0.1	MA200 Na % 0.001	MA200 Nb ppm 0.1	MA200 Ni ppm 0.1	MA200 P % 0.001	MA200 Pb ppm 0.1	MA200 Rb ppm 0.1	MA200 Re ppm 0.005	MA200 S % 0.1	MA200 Sb ppm 0.1	MA200 Sc ppm 1	MA200 Se ppm 1	MA200 Sn ppm 0.1	MA200 Sr ppm 1	MA200 Ta ppm 0.1	MA200 Te ppm 0.5	MA200 Th ppm 0.1	MA200 Ti % 0.001
BLK	Blank																				
BLK	Blank																				
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BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<1	<0.1	0.003	<0.1	0.2	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.002	<0.1	0.2	<0.001	<0.1	0.3	<0.005	<0.1	<0.1	<1	1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	<0.001	<0.1	0.3	<0.001	<0.1	0.2	<0.005	<0.1	<0.1	<1	1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.002	<0.1	0.1	<0.001	<0.1	0.4	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
Prep Wash																					
ROCK-TIM	Prep Blank	0.57	715	0.8	3.262	5.5	1.3	0.043	2.3	32.1	<0.005	<0.1	0.1	7	<1	0.8	194	0.4	<0.5	2.8	0.192
ROCK-TIM	Prep Blank	0.55	687	1.4	3.280	5.4	1.1	0.044	2.2	26.5	0.006	<0.1	<0.1	7	<1	0.7	181	0.4	<0.5	2.2	0.198

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Client: **MacDonald Mines Exploration Ltd.**
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Toronto Ontario M5J 1H8 Canada

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Report Date: December 10, 2019

QUALITY CONTROL REPORT TIM19002580.1

		MA200 Tl ppm 0.5	MA200 U ppm 0.1	MA200 V ppm 1	MA200 W ppm 0.1	MA200 Y ppm 0.1	MA200 Zn ppm 1	MA200 Zr ppm 0.1
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	0.2
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1
Prep Wash								
ROCK-TIM	Prep Blank	<0.5	1.1	38	0.4	14.1	37	50.4
ROCK-TIM	Prep Blank	<0.5	0.9	37	0.3	14.0	34	48.1

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By: Quentin Yarie
Receiving Lab: Canada-Timmins
Received: November 22, 2019
Report Date: December 06, 2019

CERTIFICATE OF ANALYSIS TIM19002584.1

CLIENT JOB INFORMATION

Project: SPJ
Shipment ID:
P.O. Number
Number of Samples: 109

SAMPLE DISPOSAL

RTRN-PLP Return After 90 days
RTRN-RJT Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
CRUBW	13	Extra clean rock wash between samples in crusher		Completed	TIM
PRP85-500	102	Crush split and pulverize 250g of sample to 200mesh			TIM
PULSW	13	Extra Wash with Silica between each sample			TIM
SHP01	109	Per sample shipping charges for branch shipments			TIM
SLBHP	7	Sort, label and box pulps			TIM
FA450	96	50g Lead Collection Fire Assay Fusion - AAS Finish	50	Completed	TIM
EN002	109	Environmental disposal charge-Fire assay lead waste			TIM
MA200	109	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
EN001-MA	109	Environmental disposal fee - Multi-acid neutralization			VAN
FA550	3	Lead collection fire assay 50G fusion - Grav finish	50	Completed	TIM

ADDITIONAL COMMENTS

Version 2 - changed sample type of 3569537 from Drill core to Rock.

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC:

MAY LAI
Data Validation Specialist

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All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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Report Date: December 06, 2019

CERTIFICATE OF ANALYSIS TIM19002584.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3483170	Drill Core	5.91	<0.005	<0.1	6.62	22	142	2	<0.1	1.28	<0.1	44	16.9	79	19.8	2.03	3.8	<0.05	0.72	25.2	8.6
3483171	Drill Core	5.74	<0.005	<0.1	6.70	19	199	2	<0.1	1.22	<0.1	33	21.7	91	15.6	2.24	3.5	<0.05	1.07	16.2	9.6
3483172	Drill Core	5.38	<0.005	<0.1	7.26	3	167	2	0.2	2.07	<0.1	37	9.5	84	69.1	2.09	3.7	<0.05	0.92	14.3	8.5
3483173	Drill Core	5.45	<0.005	<0.1	6.54	5	120	2	<0.1	1.95	<0.1	35	6.4	64	54.6	1.61	2.9	<0.05	0.71	12.2	7.6
3483174	Drill Core	5.41	<0.005	<0.1	5.87	21	84	2	0.1	1.56	<0.1	25	8.6	57	56.7	1.24	2.9	<0.05	0.46	9.7	5.9
3483175	Rock	0.21	<0.005	<0.1	6.59	1	9	<1	<0.1	0.12	<0.1	<1	<0.2	3	0.5	0.21	0.2	<0.05	4.32	0.1	23.2
3483176	Drill Core	4.60	<0.005	<0.1	6.58	46	67	2	0.3	2.13	<0.1	32	85.1	71	47.9	1.66	3.2	<0.05	0.30	12.2	4.7
3483177	Drill Core	3.31	0.020	0.1	6.92	127	78	2	1.0	2.21	<0.1	52	199.3	95	96.9	3.58	3.4	<0.05	0.39	20.9	6.7
3483178	Drill Core	4.92	<0.005	<0.1	7.23	22	98	2	0.1	2.96	<0.1	50	14.8	84	10.7	1.93	3.4	<0.05	0.44	22.0	7.3
3483179	Drill Core	4.51	0.234	<0.1	6.32	22	67	2	0.4	2.07	<0.1	54	17.7	75	18.0	2.87	3.3	<0.05	0.29	29.5	6.4
3483180	Rock Pulp	0.65	4.564	1.0	6.79	23	235	<1	0.4	5.68	0.3	13	43.0	295	153.2	7.58	1.7	0.06	0.50	6.0	19.3
3483181	Drill Core	4.06	0.325	<0.1	5.06	<1	4	<1	<0.1	0.16	<0.1	20	11.4	92	12.2	11.37	2.9	0.12	0.01	10.3	8.7
3483182	Drill Core	4.78	0.055	<0.1	7.46	5	26	2	<0.1	0.39	<0.1	33	12.5	111	28.8	10.75	3.9	0.09	0.06	14.6	10.7
3483183	Drill Core	5.21	0.006	<0.1	6.67	32	91	2	0.2	2.14	<0.1	45	8.4	65	101.2	2.03	2.8	<0.05	0.29	20.6	6.8
3483184	Drill Core	6.20	0.011	<0.1	7.57	14	78	3	<0.1	3.54	<0.1	68	7.7	76	60.0	1.89	3.7	<0.05	0.41	35.4	6.2
3483185	Drill Core	5.89	<0.005	<0.1	6.30	10	96	2	<0.1	2.14	<0.1	40	5.8	62	37.6	1.61	3.4	<0.05	0.46	17.8	6.1
3483186	Drill Core	5.78	<0.005	<0.1	6.31	12	118	2	0.1	1.29	<0.1	29	11.9	73	10.1	1.67	3.6	<0.05	0.63	10.8	8.5
3483187	Drill Core	3.94	<0.005	<0.1	6.51	6	107	2	0.1	2.03	<0.1	50	16.1	71	3.6	1.61	3.4	<0.05	0.64	20.9	7.3
3483188	Drill Core	4.25	<0.005	<0.1	6.33	8	198	2	<0.1	1.73	<0.1	34	11.2	86	9.4	2.72	3.6	<0.05	1.16	15.0	11.6
3483189	Drill Core	4.31	<0.005	<0.1	6.50	2	219	2	<0.1	1.29	<0.1	38	5.6	103	1.5	3.50	3.2	<0.05	1.30	16.7	15.1
3483190	Drill Core	4.44	<0.005	<0.1	6.51	2	53	1	<0.1	0.70	<0.1	38	8.7	137	13.9	6.63	3.6	0.05	0.23	17.7	9.7
3483191	Drill Core	4.50	0.031	<0.1	6.60	13	28	<1	<0.1	0.51	<0.1	65	14.5	111	10.2	8.23	3.5	0.07	0.08	30.1	10.8
3483192	Drill Core	4.31		<0.1	5.80	5	114	1	<0.1	0.75	<0.1	18	8.4	110	1.3	4.61	3.4	<0.05	0.66	7.7	13.7
3483193	Drill Core	5.45	0.029	<0.1	5.95	17	27	1	<0.1	0.53	<0.1	20	17.7	135	25.8	5.84	3.4	0.05	0.06	7.5	6.5
3483194	Drill Core	3.84	2.728	<0.1	6.51	157	148	<1	0.4	1.67	<0.1	22	164.0	204	118.6	17.16	3.4	0.19	0.18	9.8	11.5
3483195	Rock	0.21	<0.005	<0.1	9.08	<1	15	<1	<0.1	0.18	<0.1	1	<0.2	2	0.3	0.25	0.2	<0.05	3.81	0.5	22.9
3483196	Drill Core	7.00	0.011	<0.1	2.72	15	13	<1	0.1	12.43	<0.1	12	9.4	34	23.0	4.94	1.3	<0.05	0.05	4.6	3.9
3483197	Drill Core	6.21	0.038	<0.1	5.34	24	73	1	0.2	8.09	<0.1	46	13.9	65	15.2	3.30	2.7	0.05	0.41	20.9	7.1
3483198	Rock Pulp	0.07	>10	2.0	5.27	61	226	<1	0.7	3.79	0.3	13	36.4	493	128.8	4.46	1.4	<0.05	0.66	6.6	30.9
3483199	Drill Core	7.30	0.023	<0.1	4.36	20	31	<1	0.2	9.80	<0.1	36	11.9	52	48.6	3.30	2.2	0.05	0.25	17.5	5.1

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 06, 2019

CERTIFICATE OF ANALYSIS TIM19002584.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3483170	Drill Core	2.80	124	0.6	5.296	2.4	56.4	0.054	5.9	26.6	<0.005	0.2	0.4	12	<1	0.5	78	0.2	0.6	7.2	0.135
3483171	Drill Core	2.70	81	0.7	5.455	2.7	63.2	0.055	12.5	45.2	<0.005	0.3	0.4	13	1	0.9	89	0.2	<0.5	6.7	0.187
3483172	Drill Core	2.53	102	0.3	5.374	4.4	70.1	0.057	45.1	54.3	<0.005	0.3	0.3	13	2	1.4	105	0.4	0.6	8.9	0.213
3483173	Drill Core	2.11	128	0.3	5.388	3.6	48.6	0.046	12.2	37.6	<0.005	0.2	0.2	10	<1	1.0	81	0.3	<0.5	6.8	0.154
3483174	Drill Core	1.62	152	0.3	5.611	2.2	54.4	0.045	8.8	15.5	<0.005	0.2	0.4	9	<1	0.5	48	0.2	<0.5	5.3	0.096
3483175	Rock	0.01	42	0.2	9.112	<0.1	0.6	<0.001	3.4	44.6	<0.005	<0.1	0.1	<1	<1	<0.1	13	<0.1	<0.5	<0.1	<0.001
3483176	Drill Core	1.85	196	0.2	6.089	3.7	84.8	0.053	22.9	8.5	<0.005	0.6	0.4	10	1	1.1	63	0.3	0.6	7.0	0.152
3483177	Drill Core	2.23	222	0.2	5.913	2.2	298.7	0.083	27.9	16.6	<0.005	2.4	0.7	14	5	1.0	61	0.2	<0.5	9.2	0.106
3483178	Drill Core	2.34	280	0.2	5.742	4.3	52.8	0.057	3.5	23.2	<0.005	0.2	0.3	15	1	1.3	80	0.4	<0.5	9.0	0.177
3483179	Drill Core	1.75	230	0.2	4.673	5.2	58.2	0.072	1.9	13.4	<0.005	0.1	0.3	10	<1	0.7	61	0.4	0.8	7.9	0.208
3483180	Rock Pulp	4.28	1264	3.1	2.085	3.7	125.3	0.043	18.8	16.1	<0.005	0.4	0.5	36	<1	0.7	112	0.2	1.0	1.1	0.600
3483181	Drill Core	3.21	333	0.2	0.300	6.1	14.9	0.065	1.2	1.1	<0.005	<0.1	0.3	19	<1	0.3	3	0.5	<0.5	8.0	0.216
3483182	Drill Core	3.13	334	0.4	2.749	7.4	38.9	0.057	1.3	1.3	<0.005	0.2	0.2	18	<1	0.3	23	0.6	<0.5	8.8	0.285
3483183	Drill Core	1.74	262	0.2	5.522	2.6	99.3	0.070	2.4	12.7	<0.005	0.4	0.4	11	2	1.0	57	0.2	0.6	7.5	0.119
3483184	Drill Core	2.22	303	0.2	5.891	5.2	50.6	0.072	2.8	31.6	<0.005	0.2	0.4	13	<1	1.3	65	0.4	0.5	11.5	0.198
3483185	Drill Core	1.75	200	0.2	5.438	3.3	40.7	0.050	3.9	25.5	<0.005	0.2	0.3	11	<1	0.8	50	0.3	0.6	7.6	0.131
3483186	Drill Core	1.87	130	0.3	5.733	3.5	52.7	0.047	4.0	30.1	<0.005	0.2	0.2	12	<1	0.9	51	0.3	0.7	8.0	0.165
3483187	Drill Core	1.73	89	0.2	5.753	4.7	47.2	0.049	1.5	33.1	<0.005	0.2	0.2	11	<1	1.2	63	0.4	<0.5	8.0	0.203
3483188	Drill Core	2.21	108	<0.1	5.178	6.8	65.9	0.048	1.1	63.4	<0.005	0.1	0.2	12	<1	1.5	50	0.5	0.7	6.9	0.260
3483189	Drill Core	2.56	206	0.1	5.248	8.3	64.7	0.045	0.9	64.7	<0.005	<0.1	0.1	15	<1	1.1	43	0.6	0.7	7.5	0.333
3483190	Drill Core	2.38	207	0.2	4.411	9.5	46.7	0.042	1.7	6.6	<0.005	<0.1	0.3	14	<1	0.3	22	0.7	<0.5	7.0	0.359
3483191	Drill Core	2.79	258	<0.1	3.418	9.0	59.9	0.053	1.8	1.4	<0.005	<0.1	0.2	16	<1	0.2	17	0.7	0.5	8.4	0.323
3483192	Drill Core	2.42	235	0.1	5.244	9.2	68.1	0.046	0.7	11.9	<0.005	<0.1	0.1	13	<1	1.0	21	0.7	0.7	4.1	0.349
3483193	Drill Core	1.69	223	0.2	5.548	7.8	48.3	0.066	2.7	0.2	<0.005	0.2	0.2	6	<1	0.1	15	0.6	<0.5	3.4	0.291
3483194	Drill Core	5.76	759	0.4	0.312	6.0	90.1	0.108	6.9	14.5	<0.005	3.3	0.6	26	4	0.4	13	0.5	<0.5	8.6	0.242
3483195	Rock	0.02	38	0.1	7.395	0.1	0.4	<0.001	4.9	53.8	<0.005	<0.1	0.1	<1	<1	<0.1	27	<0.1	<0.5	0.1	<0.001
3483196	Drill Core	6.50	1546	0.6	1.775	1.6	15.7	0.018	1.4	1.0	<0.005	0.2	0.3	11	<1	0.2	79	0.1	5.1	4.5	0.069
3483197	Drill Core	3.15	918	0.3	3.878	6.6	50.1	0.037	1.3	30.1	<0.005	0.1	0.3	12	<1	1.3	64	0.5	0.9	8.7	0.236
3483198	Rock Pulp	4.23	767	5.7	1.187	1.9	230.5	0.027	40.9	28.0	<0.005	0.9	0.7	20	<1	0.5	87	0.1	0.8	2.1	0.256
3483199	Drill Core	4.52	964	0.4	3.193	4.2	50.3	0.030	1.1	10.9	<0.005	0.1	0.3	9	<1	0.9	50	0.4	2.2	7.1	0.172

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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA550
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3483170	Drill Core	<0.5	1.5	83	0.5	11.1	13	130.0	
3483171	Drill Core	<0.5	1.6	93	0.3	9.3	13	125.2	
3483172	Drill Core	<0.5	2.8	87	0.3	14.5	27	124.9	
3483173	Drill Core	<0.5	2.5	75	0.5	12.2	6	105.7	
3483174	Drill Core	<0.5	1.9	63	0.5	8.4	3	99.7	
3483175	Rock	0.7	<0.1	<1	<0.1	0.5	3	12.1	
3483176	Drill Core	<0.5	1.8	70	0.7	12.1	3	118.9	
3483177	Drill Core	<0.5	2.5	87	0.5	17.8	15	121.5	
3483178	Drill Core	<0.5	2.5	86	1.2	14.8	5	119.8	
3483179	Drill Core	<0.5	2.7	72	2.0	12.4	6	110.3	
3483180	Rock Pulp	<0.5	0.3	276	5.6	20.2	90	50.4	
3483181	Drill Core	<0.5	4.9	73	10.6	5.7	19	104.0	
3483182	Drill Core	<0.5	5.3	90	11.0	10.6	16	130.2	
3483183	Drill Core	<0.5	2.3	69	1.4	12.7	3	95.1	
3483184	Drill Core	<0.5	5.8	78	1.5	17.2	2	132.2	
3483185	Drill Core	<0.5	2.7	63	0.7	16.0	4	116.0	
3483186	Drill Core	<0.5	1.9	74	0.5	10.3	3	127.6	
3483187	Drill Core	<0.5	2.2	74	0.6	12.5	1	124.2	
3483188	Drill Core	<0.5	1.5	95	0.4	8.8	3	123.8	
3483189	Drill Core	<0.5	1.5	114	0.2	9.3	3	114.8	
3483190	Drill Core	<0.5	2.2	112	9.3	7.0	6	127.7	
3483191	Drill Core	<0.5	3.0	117	4.9	9.1	6	123.8	
3483192	Drill Core	<0.5	1.1	125	3.2	4.6	4	121.8	
3483193	Drill Core	<0.5	1.6	96	14.9	3.0	3	121.7	
3483194	Drill Core	<0.5	4.9	104	15.6	10.6	16	122.0	
3483195	Rock	0.6	0.1	<1	<0.1	1.3	2	8.3	
3483196	Drill Core	<0.5	1.5	39	1.6	5.6	2	56.2	
3483197	Drill Core	<0.5	2.4	69	0.9	11.6	2	91.8	
3483198	Rock Pulp	<0.5	0.5	138	13.1	9.9	83	48.4	11.8
3483199	Drill Core	<0.5	2.4	63	2.1	10.0	1	77.4	

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	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3483200	Drill Core	6.11	0.034	<0.1	4.85	12	61	2	0.1	11.47	<0.1	95	16.9	57	176.3	2.80	2.6	0.05	0.44	48.9	7.5
3483201	Drill Core	6.50	0.018	<0.1	3.72	10	47	1	<0.1	14.19	<0.1	73	10.7	44	34.9	2.24	2.2	0.06	0.59	41.0	8.4
3483202	Drill Core	4.90	0.028	<0.1	3.17	20	17	<1	0.2	11.77	<0.1	21	16.0	40	197.7	3.28	2.0	<0.05	0.14	9.1	3.1
3483203	Drill Core	5.92	0.116	0.4	3.85	19	24	<1	0.2	11.93	<0.1	22	13.7	49	1000.5	3.77	2.4	0.17	0.22	10.0	4.6
3483204	Drill Core	5.88	0.047	<0.1	3.55	9	77	<1	<0.1	15.63	<0.1	36	10.9	43	103.3	2.90	2.2	0.08	0.58	17.7	11.6
3483205	Drill Core	6.42	0.079	0.1	3.72	28	41	<1	0.3	10.85	<0.1	24	15.2	47	270.7	3.40	2.0	0.10	0.28	9.5	5.7
3483206	Drill Core	5.96	0.043	<0.1	4.19	11	16	<1	0.1	11.55	<0.1	32	8.8	51	278.3	2.92	1.9	0.11	0.20	14.8	3.7
3483207	Drill Core	6.42	0.186	<0.1	3.88	37	26	<1	0.2	12.39	<0.1	30	12.7	51	57.1	2.85	2.1	<0.05	0.19	12.5	4.5
3483208	Drill Core	5.29	0.051	<0.1	3.99	33	10	<1	0.3	10.27	<0.1	18	12.4	49	13.2	2.90	2.2	<0.05	0.06	8.4	2.4
3569501	Drill Core	4.11	<0.005	<0.1	7.66	35	131	2	<0.1	3.04	<0.1	53	10.3	78	15.7	1.50	4.3	<0.05	0.43	24.5	6.3
3569502	Drill Core	3.78	0.011	<0.1	6.44	47	130	2	0.2	2.46	<0.1	66	19.2	70	85.1	1.73	3.4	0.06	0.38	31.1	6.6
3569503	Drill Core	3.65	0.006	0.1	6.76	41	137	3	0.3	2.27	<0.1	69	41.7	95	149.6	2.80	3.5	<0.05	0.57	28.7	10.1
3569504	Drill Core	3.58	<0.005	<0.1	6.98	22	68	2	<0.1	4.17	<0.1	52	10.2	60	16.1	1.26	3.8	<0.05	0.14	24.4	2.0
3569505	Drill Core	2.64	<0.005	<0.1	6.97	13	60	2	<0.1	3.81	<0.1	70	7.4	65	19.3	1.32	3.3	<0.05	0.20	31.3	3.5
3569506	Drill Core	3.91	0.020	<0.1	6.62	101	109	2	<0.1	3.50	<0.1	58	28.2	79	234.8	2.09	3.8	<0.05	0.42	24.9	6.5
3569507	Drill Core	3.04	0.048	<0.1	7.02	217	86	2	0.4	3.39	<0.1	52	71.1	81	164.7	1.94	3.8	0.06	0.38	22.7	6.0
3569508	Drill Core	3.68	0.005	<0.1	7.20	20	97	1	<0.1	2.80	<0.1	63	17.9	90	32.9	1.91	3.9	<0.05	0.48	24.1	7.7
3569509	Drill Core	3.51	0.006	<0.1	6.92	19	99	2	<0.1	4.00	<0.1	82	15.9	75	99.6	2.21	3.9	0.06	0.51	36.2	7.7
3569510	Drill Core	3.35	<0.005	<0.1	6.91	15	49	1	<0.1	3.60	<0.1	33	16.3	46	5.1	1.11	3.0	<0.05	0.08	15.9	1.6
3569511	Drill Core	3.62	<0.005	<0.1	6.37	9	46	1	<0.1	2.93	<0.1	36	6.4	42	3.5	1.12	2.5	<0.05	0.08	16.4	2.3
3569512	Rock Pulp	0.07	5.339	0.9	6.25	22	223	<1	0.3	5.18	0.2	12	44.8	282	140.1	6.89	1.5	0.08	0.43	5.8	19.4
3569513	Drill Core	3.13		<0.1	7.07	7	45	2	<0.1	0.96	<0.1	24	8.4	73	31.5	6.98	2.1	0.09	0.09	11.0	6.8
3569514	Drill Core	4.14		<0.1	6.44	<1	10	<1	0.7	0.23	<0.1	22	10.4	39	19.5	14.63	1.7	0.21	0.02	8.9	13.5
3569515	Rock	0.21	<0.005	<0.1	9.66	2	18	<1	<0.1	0.19	<0.1	2	0.2	2	0.8	0.18	0.2	<0.05	3.89	0.7	24.6
3569516	Drill Core	3.48		<0.1	8.16	1	24	1	0.9	0.24	<0.1	66	11.2	112	84.5	9.78	4.0	0.10	0.04	29.6	9.9
3569517	Drill Core	3.32		<0.1	7.95	2	23	1	0.8	0.26	<0.1	55	24.3	127	96.1	10.51	3.5	0.08	0.03	26.1	9.3
3569518	Drill Core	4.69		<0.1	7.68	4	44	1	1.0	0.69	<0.1	49	29.7	81	151.2	10.17	3.8	0.13	0.12	24.1	10.6
3569519	Drill Core	3.77		0.2	7.20	7	27	1	1.9	0.38	<0.1	54	52.5	77	592.7	11.30	3.2	0.12	0.10	25.6	11.8
3569520	Rock	0.21	<0.005	<0.1	9.57	2	16	<1	<0.1	0.18	<0.1	1	<0.2	2	0.9	0.20	0.2	<0.05	3.82	0.6	21.1
3569521	Drill Core	3.23		<0.1	7.24	41	27	<1	0.9	1.28	0.1	34	47.6	70	70.1	5.62	4.1	0.06	0.12	11.7	6.4

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 06, 2019

CERTIFICATE OF ANALYSIS TIM19002584.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3483200	Drill Core	2.95	762	0.4	3.397	5.6	47.4	0.030	1.3	25.4	<0.005	0.1	0.2	10	<1	1.4	59	0.5	2.5	9.4	0.214
3483201	Drill Core	3.91	846	0.3	2.322	4.1	33.7	0.023	1.3	20.8	<0.005	<0.1	0.1	8	<1	1.0	67	0.4	3.8	6.9	0.160
3483202	Drill Core	6.02	1013	0.2	2.402	2.2	30.6	0.025	1.5	3.8	<0.005	0.2	0.3	6	<1	0.6	59	0.2	2.6	6.7	0.075
3483203	Drill Core	6.07	1249	0.3	2.839	2.6	39.3	0.027	92.2	6.9	<0.005	0.2	0.4	8	<1	0.6	56	0.2	2.9	8.5	0.100
3483204	Drill Core	4.55	966	0.1	2.210	3.0	30.7	0.026	4.4	37.3	<0.005	0.1	0.2	7	<1	0.5	90	0.3	3.4	6.6	0.146
3483205	Drill Core	5.63	994	0.3	2.740	2.1	47.5	0.026	2.5	15.7	<0.005	0.4	0.4	8	1	0.4	57	0.2	2.4	6.4	0.093
3483206	Drill Core	5.02	971	0.3	3.030	2.9	42.3	0.027	1.0	4.0	<0.005	0.1	0.2	9	<1	0.5	67	0.3	1.0	7.1	0.126
3483207	Drill Core	4.98	867	0.3	2.857	2.3	46.3	0.028	1.2	8.0	<0.005	0.3	0.4	8	<1	0.5	81	0.2	2.1	6.3	0.113
3483208	Drill Core	5.72	877	0.4	3.130	2.7	15.4	0.029	1.2	0.7	<0.005	0.5	0.5	10	<1	0.7	67	0.3	2.1	7.3	0.100
3569501	Drill Core	2.42	231	0.2	5.834	4.6	60.0	0.045	2.5	33.0	<0.005	0.1	0.4	14	<1	1.9	73	0.4	0.8	13.8	0.191
3569502	Drill Core	2.18	255	0.3	4.867	3.3	106.8	0.053	3.8	29.7	<0.005	0.2	0.4	12	<1	1.5	61	0.3	0.6	9.9	0.147
3569503	Drill Core	2.79	197	0.3	4.859	4.4	251.0	0.075	6.5	48.8	<0.005	0.8	0.5	15	1	1.8	67	0.4	0.5	12.3	0.180
3569504	Drill Core	2.28	316	0.6	5.549	4.8	40.1	0.066	2.6	6.6	<0.005	0.1	0.5	11	<1	1.2	63	0.4	0.7	11.3	0.174
3569505	Drill Core	2.20	283	0.2	5.494	4.0	36.5	0.056	2.3	13.7	<0.005	<0.1	0.5	14	<1	1.2	65	0.4	1.3	10.9	0.163
3569506	Drill Core	2.56	259	0.2	4.982	3.4	190.8	0.066	5.6	38.1	<0.005	0.3	0.4	14	<1	1.2	65	0.3	0.6	10.9	0.153
3569507	Drill Core	2.43	302	0.2	5.305	4.5	224.9	0.054	2.8	29.6	<0.005	0.3	0.6	14	<1	1.8	66	0.4	1.0	11.6	0.170
3569508	Drill Core	2.64	260	0.2	5.392	3.1	72.6	0.051	3.1	41.5	<0.005	0.1	0.3	17	<1	1.2	66	0.3	0.8	13.9	0.146
3569509	Drill Core	2.61	337	0.5	5.098	5.5	85.3	0.061	6.6	41.0	<0.005	0.3	0.3	12	<1	1.8	73	0.5	1.2	13.3	0.207
3569510	Drill Core	1.80	316	0.2	6.003	4.2	15.2	0.052	1.7	1.1	<0.005	0.1	0.5	11	<1	1.1	51	0.4	1.0	6.8	0.162
3569511	Drill Core	1.48	304	0.3	5.399	3.4	10.8	0.051	1.5	1.1	<0.005	<0.1	0.3	10	<1	0.9	48	0.3	<0.5	6.4	0.124
3569512	Rock Pulp	3.98	1180	3.2	1.844	3.3	121.3	0.041	18.0	14.1	<0.005	0.4	0.4	33	<1	0.7	109	0.2	0.7	1.1	0.566
3569513	Drill Core	1.53	301	0.2	4.235	4.5	22.8	0.037	1.7	2.1	<0.005	0.2	0.2	8	<1	0.3	35	0.4	<0.5	5.3	0.181
3569514	Drill Core	3.00	543	0.1	1.086	3.7	21.7	0.044	1.8	0.7	<0.005	0.1	0.2	8	<1	0.4	7	0.4	<0.5	2.8	0.152
3569515	Rock	0.03	32	<0.1	7.590	0.1	0.6	<0.001	4.9	58.0	<0.005	<0.1	0.1	<1	<1	<0.1	31	<0.1	<0.5	0.1	<0.001
3569516	Drill Core	1.84	386	0.1	4.280	9.1	42.6	0.067	9.4	1.3	<0.005	0.8	0.3	7	<1	0.3	21	0.8	0.7	12.9	0.363
3569517	Drill Core	1.94	417	0.1	3.965	8.9	50.8	0.053	3.0	1.1	<0.005	1.0	0.3	7	1	0.3	20	0.7	<0.5	11.5	0.357
3569518	Drill Core	2.23	505	0.1	3.935	7.1	34.6	0.037	4.7	6.4	<0.005	1.2	0.3	14	2	0.4	20	0.6	0.5	11.9	0.290
3569519	Drill Core	2.17	432	<0.1	3.621	7.4	91.0	0.057	12.4	2.6	<0.005	3.4	0.4	7	5	0.3	16	0.7	1.1	9.9	0.299
3569520	Rock	0.03	32	<0.1	7.542	<0.1	0.7	<0.001	4.6	52.4	<0.005	<0.1	0.1	<1	1	<0.1	28	<0.1	<0.5	0.2	<0.001
3569521	Drill Core	1.32	533	<0.1	5.701	8.0	42.1	0.038	4.4	1.4	<0.005	0.8	0.4	5	4	0.5	36	0.7	0.6	7.7	0.310

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 06, 2019

CERTIFICATE OF ANALYSIS TIM19002584.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA550
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3483200	Drill Core	<0.5	2.9	73	0.9	16.3	2	84.3	
3483201	Drill Core	<0.5	2.3	51	0.6	13.8	1	70.4	
3483202	Drill Core	<0.5	1.8	48	2.0	9.6	<1	70.0	
3483203	Drill Core	<0.5	2.6	54	1.4	9.3	12	80.0	
3483204	Drill Core	<0.5	2.2	48	0.7	10.1	2	71.9	
3483205	Drill Core	<0.5	2.4	57	2.3	8.5	6	70.5	
3483206	Drill Core	<0.5	2.5	58	2.0	10.2	2	70.5	
3483207	Drill Core	<0.5	2.4	65	2.6	9.4	1	68.2	
3483208	Drill Core	<0.5	2.7	55	4.6	8.5	1	75.2	
3569501	Drill Core	<0.5	5.7	101	1.7	16.5	2	138.5	
3569502	Drill Core	<0.5	3.9	80	0.6	15.7	3	123.3	
3569503	Drill Core	<0.5	4.5	118	0.8	20.5	3	127.1	
3569504	Drill Core	<0.5	6.3	61	2.4	13.9	<1	135.4	
3569505	Drill Core	<0.5	4.9	69	2.0	15.2	<1	117.2	
3569506	Drill Core	<0.5	4.2	95	0.9	17.4	2	130.4	
3569507	Drill Core	<0.5	4.2	90	1.5	16.2	2	126.9	
3569508	Drill Core	<0.5	3.9	93	0.6	17.8	2	138.4	
3569509	Drill Core	<0.5	5.1	102	0.7	18.7	2	139.5	
3569510	Drill Core	<0.5	2.7	48	2.0	8.9	<1	104.8	
3569511	Drill Core	<0.5	3.5	40	1.8	8.6	1	94.9	
3569512	Rock Pulp	<0.5	0.3	260	5.6	18.9	84	47.3	
3569513	Drill Core	<0.5	3.5	61	7.5	7.3	11	72.2	
3569514	Drill Core	<0.5	5.5	67	8.5	3.2	27	57.1	
3569515	Rock	0.7	0.1	<1	<0.1	1.5	3	9.8	
3569516	Drill Core	<0.5	38.2	66	22.3	10.4	13	149.4	
3569517	Drill Core	<0.5	10.1	66	18.8	7.4	15	126.7	
3569518	Drill Core	<0.5	8.4	82	15.0	7.6	15	139.6	
3569519	Drill Core	<0.5	5.6	59	21.6	7.2	13	120.3	
3569520	Rock	0.6	0.1	<1	<0.1	1.5	2	11.1	
3569521	Drill Core	<0.5	5.6	50	12.3	6.2	12	145.3	

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 06, 2019

CERTIFICATE OF ANALYSIS TIM19002584.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3569522	Drill Core	4.74	0.025	<0.1	7.67	75	28	3	1.0	2.75	<0.1	50	54.2	79	10.2	5.39	4.4	0.08	0.13	18.2	6.7
3569523	Drill Core	4.02	1.258	<0.1	7.72	8	20	1	1.1	1.08	0.2	47	54.2	90	244.6	11.05	3.7	0.11	0.12	19.2	12.5
3569524	Drill Core	3.86	0.184	<0.1	7.38	22	17	<1	1.8	0.91	<0.1	40	67.5	79	464.6	8.90	3.8	0.13	0.06	14.8	11.5
3569525	Drill Core	3.81	0.007	<0.1	7.97	12	22	<1	0.3	2.17	<0.1	33	17.9	85	33.0	4.40	4.4	<0.05	0.04	12.4	6.5
3569526	Drill Core	4.18	0.033	<0.1	7.70	88	26	<1	1.5	2.68	<0.1	54	94.3	103	177.0	6.23	4.2	0.07	0.05	20.4	7.6
3569527	Drill Core	3.88	0.011	<0.1	6.55	19	22	1	0.9	1.60	<0.1	31	17.2	69	23.8	3.40	3.7	<0.05	0.04	10.3	6.1
3569528	Drill Core	3.73	3.940	<0.1	7.26	35	20	1	0.5	1.12	<0.1	14	40.0	76	49.3	4.83	3.8	<0.05	0.04	5.0	8.8
3569529	Drill Core	4.71	4.472	0.2	7.67	2	13	2	1.9	1.38	<0.1	38	13.6	86	78.4	8.22	4.5	0.14	0.04	14.2	12.6
3569530	Drill Core	3.73	5.166	<0.1	7.75	<1	13	1	2.0	2.65	0.1	27	14.6	79	184.4	7.08	4.1	0.10	0.06	10.1	9.3
3569531	Rock	0.21	<0.005	<0.1	9.92	<1	17	1	<0.1	0.19	<0.1	1	0.2	2	0.3	0.20	0.2	<0.05	3.93	0.4	25.9
3569532	Drill Core	3.17	4.309	<0.1	6.26	<1	10	2	2.2	0.08	<0.1	13	10.6	71	112.1	4.10	4.6	0.09	0.05	4.2	6.8
3569533	Rock Pulp	0.07	>10	2.0	5.47	59	233	<1	0.7	4.00	0.1	12	34.0	495	116.7	4.59	1.4	0.05	0.76	5.9	36.9
3569534	Drill Core	3.92	5.155	0.2	5.81	<1	9	<1	0.8	0.08	<0.1	5	2.3	85	66.8	1.69	5.1	<0.05	0.06	1.4	1.9
3569535	Drill Core	4.31		<0.1	6.05	<1	9	2	1.3	0.11	<0.1	5	26.6	78	138.7	2.89	5.0	0.06	0.06	1.5	3.5
3569536	Drill Core	3.29		<0.1	5.92	<1	9	<1	2.4	0.08	<0.1	6	6.6	67	142.8	3.05	5.5	0.06	0.11	1.7	4.8
3569537	Rock	0.21	0.025	<0.1	9.49	<1	15	<1	<0.1	0.17	<0.1	1	<0.2	1	1.1	0.20	0.1	<0.05	3.78	0.5	24.2
3569538	Drill Core	2.93	7.321	<0.1	5.98	<1	10	<1	1.5	0.06	<0.1	7	4.8	72	101.7	2.63	5.4	<0.05	0.09	1.9	3.4
3569539	Drill Core	3.25	5.342	<0.1	5.83	<1	8	<1	0.8	0.06	<0.1	14	2.3	91	54.6	1.72	5.7	<0.05	0.06	4.4	1.8
3569540	Rock Pulp	0.07	0.541	0.2	7.31	3	143	<1	<0.1	7.07	0.1	10	47.9	170	138.7	8.02	1.6	<0.05	0.20	3.7	12.5
3569541	Drill Core	3.80		<0.1	5.67	<1	9	<1	0.7	0.10	<0.1	10	1.5	81	36.5	1.29	5.6	<0.05	0.04	3.1	2.1
3569542	Rock	0.21	<0.005	<0.1	9.70	1	15	<1	0.2	0.18	<0.1	1	<0.2	2	0.6	0.21	0.2	<0.05	3.89	0.5	24.0
3569543	Drill Core	3.35	6.860	<0.1	6.38	5	9	<1	0.7	0.39	<0.1	15	3.4	53	75.7	2.00	4.4	0.07	0.04	4.8	1.4
3569544	Drill Core	3.35		<0.1	6.54	2	12	<1	1.0	0.52	<0.1	29	3.2	68	91.3	2.61	5.1	0.06	0.04	10.0	1.1
3569545	Drill Core	4.21		<0.1	8.06	62	20	<1	1.3	1.18	<0.1	42	2.7	63	87.4	2.27	4.4	<0.05	0.17	14.0	2.4
3569546	Rock	0.21	<0.005	<0.1	10.12	<1	16	<1	0.1	0.19	<0.1	1	<0.2	2	0.5	0.21	0.2	<0.05	4.06	0.5	25.9
3569547	Drill Core	4.16	3.722	<0.1	7.86	2	19	<1	1.8	1.36	<0.1	43	4.0	59	97.6	2.18	3.7	<0.05	0.14	15.1	4.2
3569548	Drill Core	3.45	0.434	<0.1	7.85	1	19	2	0.2	1.30	<0.1	60	0.9	90	8.7	1.33	4.0	<0.05	0.07	23.8	2.1
3569549	Drill Core	3.89	0.024	<0.1	7.14	<1	17	1	<0.1	2.26	<0.1	20	1.5	56	2.0	1.29	3.3	<0.05	0.08	8.3	2.2
3569550	Rock Pulp	0.07	>10	2.1	5.61	63	241	<1	0.8	4.04	0.2	13	33.4	484	119.2	4.64	1.3	<0.05	0.76	5.6	32.2
3569551	Drill Core	4.77	0.014	<0.1	6.97	60	72	2	0.5	2.98	<0.1	47	27.7	86	47.2	2.89	3.5	0.07	0.45	17.3	10.4

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 06, 2019

CERTIFICATE OF ANALYSIS TIM19002584.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3569522	Drill Core	1.81	734	<0.1	5.032	7.9	39.1	0.055	1.7	2.3	<0.005	<0.1	0.2	8	1	0.3	57	0.7	0.9	9.3	0.278
3569523	Drill Core	3.30	700	0.1	3.220	6.7	65.8	0.051	4.2	4.8	<0.005	2.2	0.3	13	5	0.3	27	0.5	1.2	10.8	0.241
3569524	Drill Core	2.53	510	<0.1	3.892	7.2	75.6	0.052	5.6	0.8	<0.005	2.7	0.5	7	5	0.3	21	0.6	0.7	10.3	0.258
3569525	Drill Core	1.76	544	0.1	5.922	9.8	28.4	0.031	1.2	0.3	<0.005	0.2	0.3	8	3	0.4	37	0.8	1.6	11.4	0.345
3569526	Drill Core	1.72	556	<0.1	5.356	8.0	147.4	0.074	2.5	0.4	<0.005	1.1	0.3	8	4	0.3	47	0.7	1.2	10.4	0.301
3569527	Drill Core	1.07	370	<0.1	6.340	7.3	23.5	0.059	1.4	0.2	<0.005	0.2	0.2	5	<1	0.2	30	0.6	0.7	5.6	0.276
3569528	Drill Core	1.58	590	<0.1	6.161	8.7	28.3	0.022	2.5	0.2	<0.005	0.7	0.4	8	2	0.2	23	0.7	0.6	8.5	0.353
3569529	Drill Core	2.53	617	<0.1	4.388	6.9	31.9	0.040	3.6	0.4	<0.005	0.9	0.2	9	<1	0.2	19	0.6	1.2	12.0	0.252
3569530	Drill Core	2.66	728	<0.1	4.608	7.5	37.3	0.029	7.3	0.5	<0.005	1.0	0.2	14	3	0.3	24	0.6	1.1	12.3	0.278
3569531	Rock	0.02	34	0.1	7.699	0.1	0.8	<0.001	4.8	56.7	<0.005	<0.1	<0.1	<1	<1	<0.1	29	<0.1	<0.5	0.1	<0.001
3569532	Drill Core	0.73	170	0.2	6.704	10.6	23.4	0.002	4.4	<0.1	<0.005	1.1	0.3	2	<1	0.3	15	0.8	1.5	6.3	0.358
3569533	Rock Pulp	4.30	831	5.5	1.234	2.1	223.8	0.028	36.2	29.1	0.005	0.8	0.9	20	<1	0.4	89	0.1	3.9	1.8	0.226
3569534	Drill Core	0.22	89	<0.1	7.084	10.9	2.6	0.002	3.3	<0.1	<0.005	0.3	0.2	<1	<1	0.4	12	0.8	<0.5	8.1	0.387
3569535	Drill Core	0.32	94	0.1	6.786	10.5	15.7	0.001	6.5	0.1	<0.005	1.5	0.3	<1	2	0.3	11	0.8	0.8	4.5	0.370
3569536	Drill Core	0.45	88	0.2	6.877	10.9	3.0	0.002	5.8	0.1	<0.005	1.2	0.1	1	2	0.2	11	0.8	1.5	3.9	0.357
3569537	Rock	0.02	28	0.1	7.435	0.1	0.6	<0.001	4.5	52.4	<0.005	<0.1	<0.1	<1	<1	<0.1	27	<0.1	<0.5	0.2	0.002
3569538	Drill Core	0.31	95	0.1	7.107	10.6	2.2	0.001	5.1	<0.1	<0.005	1.2	0.1	1	3	0.4	12	0.9	1.2	3.8	0.382
3569539	Drill Core	0.20	85	<0.1	7.715	10.8	2.4	0.003	4.0	0.3	<0.005	0.6	0.2	<1	<1	0.2	12	0.8	0.6	5.2	0.374
3569540	Rock Pulp	4.32	1528	0.5	2.296	3.6	94.9	0.041	2.8	3.8	<0.005	0.1	0.4	45	<1	0.6	116	0.2	2.1	0.4	0.702
3569541	Drill Core	0.12	90	<0.1	7.625	12.0	1.7	0.003	3.1	0.3	<0.005	0.3	0.2	<1	<1	0.4	16	0.9	0.5	5.7	0.432
3569542	Rock	0.02	26	0.1	7.524	<0.1	0.7	<0.001	4.2	55.1	<0.005	<0.1	0.1	<1	<1	<0.1	27	<0.1	<0.5	0.1	0.002
3569543	Drill Core	0.21	124	<0.1	7.468	9.6	1.3	0.001	4.0	<0.1	<0.005	0.7	<0.1	<1	2	0.1	18	0.8	<0.5	4.9	0.353
3569544	Drill Core	0.29	154	<0.1	7.349	10.9	1.3	0.006	4.1	<0.1	<0.005	0.6	0.1	<1	2	0.3	25	0.9	<0.5	18.5	0.395
3569545	Drill Core	0.37	142	0.1	7.207	8.2	1.2	0.063	5.7	0.4	<0.005	0.9	0.2	1	2	0.3	37	0.6	0.5	11.1	0.296
3569546	Rock	0.03	32	<0.1	7.607	<0.1	0.9	<0.001	4.8	60.9	<0.005	<0.1	<0.1	<1	<1	<0.1	32	<0.1	<0.5	0.1	<0.001
3569547	Drill Core	0.32	186	0.1	7.206	7.3	1.3	0.022	5.6	0.4	<0.005	1.0	0.2	1	5	0.3	43	0.6	0.8	10.2	0.281
3569548	Drill Core	0.59	217	0.2	7.526	7.4	4.5	0.034	1.8	0.1	<0.005	<0.1	0.3	3	<1	0.8	41	0.6	<0.5	8.6	0.291
3569549	Drill Core	0.94	264	<0.1	6.942	2.8	5.4	0.042	1.3	0.2	<0.005	<0.1	0.2	5	<1	0.5	40	0.2	<0.5	5.4	0.102
3569550	Rock Pulp	4.36	825	5.5	1.243	2.1	227.7	0.028	36.9	30.5	<0.005	0.9	0.8	21	<1	0.5	92	0.1	2.3	1.8	0.236
3569551	Drill Core	2.53	295	0.3	4.620	4.8	123.0	0.045	9.5	30.8	<0.005	0.8	0.4	15	3	1.5	57	0.4	1.8	9.0	0.188

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 06, 2019

CERTIFICATE OF ANALYSIS TIM19002584.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA550
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3569522	Drill Core	<0.5	7.1	70	10.7	8.1	13	151.3	
3569523	Drill Core	<0.5	5.6	94	13.4	7.8	18	133.9	
3569524	Drill Core	<0.5	6.4	77	10.9	8.2	14	139.7	
3569525	Drill Core	<0.5	4.6	76	7.1	9.8	10	162.1	
3569526	Drill Core	<0.5	10.1	94	9.7	10.1	8	151.1	
3569527	Drill Core	<0.5	3.5	64	14.0	4.9	6	127.8	
3569528	Drill Core	<0.5	2.7	102	21.8	4.3	8	133.4	
3569529	Drill Core	<0.5	4.9	94	16.6	9.0	12	166.5	
3569530	Drill Core	<0.5	4.4	111	15.7	9.1	11	156.9	
3569531	Rock	0.7	0.1	<1	<0.1	1.5	3	11.2	
3569532	Drill Core	<0.5	3.0	94	22.1	2.7	8	177.3	
3569533	Rock Pulp	<0.5	0.5	135	13.5	9.8	87	51.3	12.0
3569534	Drill Core	<0.5	3.2	63	24.8	2.2	5	183.2	
3569535	Drill Core	<0.5	3.4	69	30.3	1.6	5	176.3	
3569536	Drill Core	<0.5	3.4	76	35.9	1.7	5	194.0	
3569537	Rock	0.5	0.1	<1	0.2	1.3	2	8.7	
3569538	Drill Core	<0.5	2.7	81	39.4	1.5	6	195.0	
3569539	Drill Core	<0.5	2.3	92	31.2	2.0	4	211.2	
3569540	Rock Pulp	<0.5	0.1	333	1.2	21.4	87	48.3	
3569541	Drill Core	<0.5	2.2	90	28.7	2.3	5	208.5	
3569542	Rock	0.6	0.1	<1	<0.1	1.4	1	8.5	
3569543	Drill Core	<0.5	2.5	82	26.4	2.3	3	163.2	
3569544	Drill Core	<0.5	9.6	96	31.2	2.8	6	178.3	
3569545	Drill Core	<0.5	4.9	92	24.5	5.3	4	167.4	
3569546	Rock	0.7	0.1	<1	<0.1	1.7	2	14.6	
3569547	Drill Core	<0.5	2.9	76	22.0	4.5	2	128.1	
3569548	Drill Core	<0.5	5.1	101	9.1	5.4	5	130.5	
3569549	Drill Core	<0.5	4.1	60	2.4	5.1	4	106.5	
3569550	Rock Pulp	<0.5	0.5	137	13.8	10.4	83	51.5	11.9
3569551	Drill Core	<0.5	3.5	116	1.7	15.7	9	136.6	

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Project: SPJ
Report Date: December 06, 2019

CERTIFICATE OF ANALYSIS TIM19002584.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3569552	Drill Core	2.76	0.018	<0.1	7.50	14	79	1	0.1	3.41	0.4	47	17.2	71	267.2	2.23	3.2	0.08	0.48	15.8	9.8
3569553	Drill Core	4.04	0.019	<0.1	7.16	16	79	1	0.1	3.03	<0.1	47	12.0	75	265.7	1.96	3.4	<0.05	0.42	17.1	8.4
3569554	Drill Core	4.52	0.015	<0.1	7.00	52	60	1	0.2	3.18	<0.1	38	33.6	75	156.8	1.79	3.0	0.08	0.29	13.6	5.1
3569555	Drill Core	5.13	<0.005	<0.1	7.54	8	104	3	<0.1	2.65	<0.1	29	13.2	83	26.2	1.74	3.2	<0.05	0.48	10.4	6.4
3569556	Drill Core	4.44	<0.005	<0.1	6.78	6	163	2	<0.1	1.34	<0.1	28	10.0	70	3.7	1.83	2.4	<0.05	0.77	12.1	10.2
3569557	Drill Core	3.71	<0.005	<0.1	7.57	3	98	2	<0.1	1.58	<0.1	35	7.7	79	2.2	1.58	3.0	<0.05	0.48	12.1	6.9
3569558	Drill Core	4.39	<0.005	<0.1	6.96	3	140	2	<0.1	1.55	<0.1	38	12.6	84	2.1	1.86	3.1	<0.05	0.70	13.3	9.2
3569559	Drill Core	5.21	<0.005	<0.1	6.79	5	168	2	<0.1	2.43	<0.1	30	20.4	69	3.5	2.31	2.4	<0.05	0.90	11.5	11.0
3569560	Rock Pulp	0.07	1.518	0.2	7.18	859	342	1	<0.1	5.78	<0.1	39	43.6	195	91.0	8.54	3.3	0.07	0.64	21.5	8.7
3569561	Drill Core	5.11	<0.005	<0.1	6.24	5	95	1	<0.1	1.66	<0.1	34	7.5	52	10.1	1.53	1.9	<0.05	0.39	13.3	6.7
3569562	Drill Core	3.77	0.081	0.2	6.99	198	27	1	1.5	3.67	<0.1	31	157.8	94	1697.7	2.79	3.2	0.43	0.08	16.0	4.0
3569563	Drill Core	3.81	0.006	<0.1	6.65	13	46	1	<0.1	4.30	<0.1	30	20.2	81	21.6	1.86	2.9	<0.05	0.21	13.0	4.9
3569564	Drill Core	4.61	<0.005	<0.1	6.90	13	97	2	<0.1	2.89	<0.1	48	16.0	73	17.9	2.37	2.4	0.07	0.43	20.6	6.8
3569565	Drill Core	4.43	0.016	<0.1	7.04	23	184	2	0.2	1.96	<0.1	28	26.0	93	60.3	3.91	2.9	<0.05	0.91	12.1	13.0
3569566	Drill Core	4.45	0.007	<0.1	6.78	45	186	1	0.5	2.07	<0.1	53	33.0	87	35.4	3.57	2.8	<0.05	0.86	24.7	13.4
3569567	Drill Core	4.23	0.031	<0.1	4.73	35	183	3	0.4	7.12	<0.1	106	51.0	66	64.9	4.04	2.4	0.06	0.72	67.2	9.5
3569568	Drill Core	5.90	0.045	<0.1	2.36	5	47	<1	<0.1	26.11	<0.1	25	7.6	29	9.2	1.77	1.4	0.13	0.12	14.2	0.8
3569569	Drill Core	5.83	0.017	<0.1	4.81	4	142	1	<0.1	15.05	<0.1	47	16.6	61	26.6	3.49	2.3	0.11	0.33	27.8	4.0
3569570	Drill Core	6.46	<0.005	<0.1	5.10	7	80	1	<0.1	14.73	<0.1	47	14.8	64	13.5	3.39	2.4	0.10	0.06	25.1	1.8

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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3569552	Drill Core	2.22	279	0.6	5.273	4.7	117.8	0.058	46.0	30.7	<0.005	0.4	0.3	15	3	1.8	75	0.4	1.2	8.5	0.195
3569553	Drill Core	2.08	213	0.7	5.487	4.8	83.7	0.050	14.7	18.9	<0.005	0.2	0.5	15	3	2.1	66	0.4	0.9	8.0	0.213
3569554	Drill Core	2.02	211	0.3	5.436	4.3	105.2	0.058	5.9	11.6	<0.005	0.4	0.3	14	2	1.3	68	0.4	0.8	7.6	0.189
3569555	Drill Core	2.03	166	0.1	5.851	6.0	42.2	0.058	1.5	19.9	<0.005	0.1	0.3	17	<1	1.7	75	0.5	1.3	8.9	0.233
3569556	Drill Core	1.87	124	0.4	5.355	5.1	45.7	0.040	1.2	48.0	<0.005	<0.1	0.2	12	<1	1.5	56	0.4	<0.5	7.7	0.258
3569557	Drill Core	2.09	133	0.4	6.062	6.5	45.9	0.041	1.1	27.4	<0.005	<0.1	0.2	15	<1	1.7	54	0.6	0.6	9.8	0.322
3569558	Drill Core	1.85	123	0.3	6.079	7.5	50.7	0.047	1.6	34.6	<0.005	<0.1	0.2	14	<1	2.1	57	0.6	<0.5	8.1	0.342
3569559	Drill Core	2.07	158	0.3	4.767	6.9	60.3	0.044	1.5	61.8	<0.005	0.1	0.3	13	<1	2.2	68	0.5	0.9	7.4	0.309
3569560	Rock Pulp	3.83	1955	2.8	1.995	19.3	136.2	0.176	5.2	21.4	<0.005	0.8	2.4	18	<1	1.7	370	1.1	1.0	3.3	0.984
3569561	Drill Core	1.38	121	0.6	4.903	4.9	36.8	0.042	1.9	24.4	<0.005	<0.1	0.2	9	<1	1.6	58	0.4	<0.5	5.5	0.226
3569562	Drill Core	1.86	171	0.3	5.300	5.6	223.7	0.070	19.1	2.3	<0.005	1.9	1.3	11	5	2.0	65	0.5	1.1	9.4	0.287
3569563	Drill Core	2.41	208	0.3	4.921	6.2	53.5	0.076	3.1	13.5	<0.005	0.3	0.3	13	<1	1.8	62	0.5	1.1	9.7	0.288
3569564	Drill Core	2.09	158	0.2	4.744	6.8	50.2	0.039	2.0	31.5	<0.005	0.3	0.4	11	<1	2.2	52	0.5	0.5	6.0	0.308
3569565	Drill Core	2.45	135	0.3	4.822	7.2	138.2	0.063	3.8	63.6	<0.005	1.1	0.3	13	3	1.7	46	0.6	<0.5	7.4	0.334
3569566	Drill Core	2.15	116	0.3	4.542	7.0	126.7	0.191	2.1	61.7	<0.005	0.9	0.3	13	<1	1.7	45	0.5	<0.5	10.7	0.312
3569567	Drill Core	2.30	256	0.1	3.261	5.1	110.8	0.166	3.9	58.6	<0.005	1.1	0.3	10	2	1.5	84	0.4	2.0	10.1	0.238
3569568	Drill Core	0.65	569	<0.1	1.773	3.0	20.9	0.017	3.8	8.6	<0.005	<0.1	0.1	5	<1	0.8	245	0.3	2.6	3.9	0.119
3569569	Drill Core	1.58	429	0.2	3.549	6.3	44.9	0.032	3.4	28.8	<0.005	0.1	0.4	10	<1	1.7	144	0.5	1.4	7.5	0.236
3569570	Drill Core	1.45	406	0.2	3.723	6.8	40.3	0.037	4.7	3.4	<0.005	<0.1	0.7	10	<1	1.7	143	0.5	1.4	7.7	0.249

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 06, 2019

CERTIFICATE OF ANALYSIS TIM19002584.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA550
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3569552	Drill Core	<0.5	2.3	101	1.2	16.1	96	114.3	
3569553	Drill Core	<0.5	1.5	97	1.6	17.9	19	125.0	
3569554	Drill Core	<0.5	1.6	86	1.0	17.1	7	109.1	
3569555	Drill Core	<0.5	1.8	102	1.4	15.0	5	117.0	
3569556	Drill Core	<0.5	1.4	84	0.3	10.0	3	84.3	
3569557	Drill Core	<0.5	2.1	83	0.3	14.5	2	115.9	
3569558	Drill Core	<0.5	1.7	93	0.2	14.1	2	107.9	
3569559	Drill Core	<0.5	2.2	102	0.3	13.8	3	102.5	
3569560	Rock Pulp	<0.5	1.0	166	1.3	20.5	116	119.9	
3569561	Drill Core	<0.5	1.6	71	0.2	13.4	2	74.3	
3569562	Drill Core	<0.5	4.6	90	1.8	16.2	3	115.2	
3569563	Drill Core	<0.5	3.0	111	1.2	16.4	3	113.2	
3569564	Drill Core	<0.5	2.2	116	0.4	17.4	3	102.0	
3569565	Drill Core	<0.5	1.8	116	0.4	15.7	4	112.9	
3569566	Drill Core	<0.5	2.8	117	0.5	20.8	3	110.0	
3569567	Drill Core	<0.5	3.0	138	0.4	17.5	4	102.7	
3569568	Drill Core	<0.5	1.1	34	0.2	7.7	1	46.3	
3569569	Drill Core	<0.5	2.5	73	0.4	13.7	3	89.3	
3569570	Drill Core	<0.5	2.6	72	0.7	15.2	3	89.3	

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 06, 2019

QUALITY CONTROL REPORT TIM19002584.1

Method		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
Unit		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
MDL		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
Pulp Duplicates																					
3483202	Drill Core	4.90	0.028	<0.1	3.17	20	17	<1	0.2	11.77	<0.1	21	16.0	40	197.7	3.28	2.0	<0.05	0.14	9.1	3.1
REP 3483202	QC		0.024																		
3483207	Drill Core	6.42	0.186	<0.1	3.88	37	26	<1	0.2	12.39	<0.1	30	12.7	51	57.1	2.85	2.1	<0.05	0.19	12.5	4.5
REP 3483207	QC			<0.1	3.84	38	24	<1	0.2	12.24	<0.1	29	13.1	55	55.9	2.86	2.1	0.05	0.18	12.1	4.8
3569520	Rock	0.21	<0.005	<0.1	9.57	2	16	<1	<0.1	0.18	<0.1	1	<0.2	2	0.9	0.20	0.2	<0.05	3.82	0.6	21.1
REP 3569520	QC		<0.005																		
REP 3569530	QC		I.S.																		
3569534	Drill Core	3.92	5.155	0.2	5.81	<1	9	<1	0.8	0.08	<0.1	5	2.3	85	66.8	1.69	5.1	<0.05	0.06	1.4	1.9
REP 3569534	QC			<0.1	5.95	<1	9	<1	0.6	0.08	<0.1	4	2.5	77	68.6	1.69	5.1	<0.05	0.06	1.0	2.2
3569550	Rock Pulp	0.07	>10	2.1	5.61	63	241	<1	0.8	4.04	0.2	13	33.4	484	119.2	4.64	1.3	<0.05	0.76	5.6	32.2
REP 3569550	QC																				
3569562	Drill Core	3.77	0.081	0.2	6.99	198	27	1	1.5	3.67	<0.1	31	157.8	94	1697.7	2.79	3.2	0.43	0.08	16.0	4.0
REP 3569562	QC			0.2	7.12	206	28	<1	1.5	3.59	<0.1	32	152.3	98	1655.9	2.72	3.0	0.37	0.08	15.9	4.0
Core Reject Duplicates																					
3483170	Drill Core	5.91	<0.005	<0.1	6.62	22	142	2	<0.1	1.28	<0.1	44	16.9	79	19.8	2.03	3.8	<0.05	0.72	25.2	8.6
DUP 3483170	QC		<0.005	<0.1	6.67	21	133	2	<0.1	1.29	<0.1	43	17.1	78	22.1	2.05	3.5	<0.05	0.69	23.6	9.6
3483204	Drill Core	5.88	0.047	<0.1	3.55	9	77	<1	<0.1	15.63	<0.1	36	10.9	43	103.3	2.90	2.2	0.08	0.58	17.7	11.6
DUP 3483204	QC		0.031	<0.1	3.54	9	77	<1	0.1	15.68	<0.1	35	11.9	45	103.1	2.91	2.4	0.11	0.56	19.2	11.8
3569530	Drill Core	3.73	5.166	<0.1	7.75	<1	13	1	2.0	2.65	0.1	27	14.6	79	184.4	7.08	4.1	0.10	0.06	10.1	9.3
DUP 3569530	QC		4.792	<0.1	7.59	<1	13	1	2.1	2.62	0.1	26	14.3	75	177.4	6.95	4.0	0.12	0.06	10.0	11.2
3569564	Drill Core	4.61	<0.005	<0.1	6.90	13	97	2	<0.1	2.89	<0.1	48	16.0	73	17.9	2.37	2.4	0.07	0.43	20.6	6.8
DUP 3569564	QC		<0.005	<0.1	6.68	13	94	2	<0.1	2.91	<0.1	46	16.9	75	15.6	2.38	2.5	0.06	0.41	20.1	6.4
Reference Materials																					
STD OREAS25A-4A	Standard			<0.1	9.36	10	148	1	0.4	0.28	<0.1	48	8.4	129	38.0	6.65	4.1	0.13	0.48	23.4	37.5
STD OREAS25A-4A	Standard			<0.1	8.57	9	147	1	0.4	0.28	<0.1	46	7.5	114	38.1	6.38	4.5	0.11	0.42	22.2	38.9
STD OREAS25A-4A	Standard			<0.1	9.16	8	143	<1	0.6	0.29	<0.1	51	7.5	104	34.7	6.67	4.2	0.10	0.46	20.4	35.4
STD OREAS25A-4A	Standard			<0.1	8.24	10	133	1	0.3	0.25	<0.1	38	7.3	114	34.2	6.23	3.8	0.06	0.44	17.0	33.4
STD OREAS45H	Standard			0.1	8.30	17	339	1	0.2	0.14	<0.1	23	95.5	679	808.7	20.23	3.5	0.14	0.20	12.6	13.3

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 06, 2019

QUALITY CONTROL REPORT TIM19002584.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
Pulp Duplicates																					
3483202	Drill Core	6.02	1013	0.2	2.402	2.2	30.6	0.025	1.5	3.8	<0.005	0.2	0.3	6	<1	0.6	59	0.2	2.6	6.7	0.075
REP 3483202	QC																				
3483207	Drill Core	4.98	867	0.3	2.857	2.3	46.3	0.028	1.2	8.0	<0.005	0.3	0.4	8	<1	0.5	81	0.2	2.1	6.3	0.113
REP 3483207	QC	4.97	844	0.3	2.862	2.0	46.7	0.027	1.2	7.8	<0.005	0.3	0.3	8	<1	0.4	83	0.2	3.2	6.6	0.106
3569520	Rock	0.03	32	<0.1	7.542	<0.1	0.7	<0.001	4.6	52.4	<0.005	<0.1	0.1	<1	1	<0.1	28	<0.1	<0.5	0.2	<0.001
REP 3569520	QC																				
REP 3569530	QC																				
3569534	Drill Core	0.22	89	<0.1	7.084	10.9	2.6	0.002	3.3	<0.1	<0.005	0.3	0.2	<1	<1	0.4	12	0.8	<0.5	8.1	0.387
REP 3569534	QC	0.23	87	0.1	7.126	10.9	2.9	0.002	3.1	0.2	<0.005	0.3	0.2	<1	<1	0.3	12	0.9	<0.5	7.3	0.373
3569550	Rock Pulp	4.36	825	5.5	1.243	2.1	227.7	0.028	36.9	30.5	<0.005	0.9	0.8	21	<1	0.5	92	0.1	2.3	1.8	0.236
REP 3569550	QC																				
3569562	Drill Core	1.86	171	0.3	5.300	5.6	223.7	0.070	19.1	2.3	<0.005	1.9	1.3	11	5	2.0	65	0.5	1.1	9.4	0.287
REP 3569562	QC	1.81	171	0.3	5.293	6.0	226.5	0.076	19.1	2.4	<0.005	1.9	1.1	12	5	2.1	65	0.5	1.1	9.7	0.289
Core Reject Duplicates																					
3483170	Drill Core	2.80	124	0.6	5.296	2.4	56.4	0.054	5.9	26.6	<0.005	0.2	0.4	12	<1	0.5	78	0.2	0.6	7.2	0.135
DUP 3483170	QC	2.86	123	0.5	5.462	2.4	51.5	0.052	6.1	24.4	<0.005	0.2	0.3	12	1	0.5	74	0.2	0.8	7.1	0.133
3483204	Drill Core	4.55	966	0.1	2.210	3.0	30.7	0.026	4.4	37.3	<0.005	0.1	0.2	7	<1	0.5	90	0.3	3.4	6.6	0.146
DUP 3483204	QC	4.56	957	0.1	2.201	3.1	31.2	0.026	4.5	39.5	<0.005	0.1	0.2	7	<1	0.6	91	0.3	1.7	7.0	0.141
3569530	Drill Core	2.66	728	<0.1	4.608	7.5	37.3	0.029	7.3	0.5	<0.005	1.0	0.2	14	3	0.3	24	0.6	1.1	12.3	0.278
DUP 3569530	QC	2.64	699	<0.1	4.595	7.0	35.4	0.029	6.8	0.5	<0.005	1.0	0.1	13	2	0.3	23	0.6	1.5	10.7	0.256
3569564	Drill Core	2.09	158	0.2	4.744	6.8	50.2	0.039	2.0	31.5	<0.005	0.3	0.4	11	<1	2.2	52	0.5	0.5	6.0	0.308
DUP 3569564	QC	2.09	154	0.2	4.755	7.0	51.2	0.038	1.9	32.6	<0.005	0.3	0.5	11	<1	2.1	53	0.5	0.8	6.3	0.309
Reference Materials																					
STD OREAS25A-4A	Standard	0.35	485	2.7	0.138	20.7	47.9	0.050	27.0	62.7	<0.005	<0.1	0.7	12	2	3.8	48	1.5	<0.5	15.8	0.958
STD OREAS25A-4A	Standard	0.34	509	2.7	0.128	19.5	45.5	0.047	27.1	56.6	<0.005	<0.1	0.6	11	3	4.4	47	1.5	<0.5	16.8	0.932
STD OREAS25A-4A	Standard	0.32	509	2.3	0.120	19.5	45.3	0.050	22.6	60.6	<0.005	<0.1	0.7	12	4	4.1	47	1.4	<0.5	14.9	0.936
STD OREAS25A-4A	Standard	0.30	454	2.2	0.126	18.3	44.5	0.044	21.9	52.4	<0.005	<0.1	0.5	12	2	3.5	37	1.4	<0.5	12.3	0.868
STD OREAS45H	Standard	0.27	427	1.6	0.090	14.2	458.9	0.024	13.4	22.7	<0.005	<0.1	0.6	59	2	1.9	28	1.0	<0.5	7.8	0.954

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Project: SPJ
Report Date: December 06, 2019

QUALITY CONTROL REPORT TIM19002584.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA550
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
Pulp Duplicates									
3483202	Drill Core	<0.5	1.8	48	2.0	9.6	<1	70.0	
REP 3483202	QC								
3483207	Drill Core	<0.5	2.4	65	2.6	9.4	1	68.2	
REP 3483207	QC	<0.5	2.5	63	2.3	8.8	2	68.8	
3569520	Rock	0.6	0.1	<1	<0.1	1.5	2	11.1	
REP 3569520	QC								
REP 3569530	QC								
3569534	Drill Core	<0.5	3.2	63	24.8	2.2	5	183.2	
REP 3569534	QC	<0.5	3.3	64	24.8	1.8	4	185.6	
3569550	Rock Pulp	<0.5	0.5	137	13.8	10.4	83	51.5	11.9
REP 3569550	QC								I.S.
3569562	Drill Core	<0.5	4.6	90	1.8	16.2	3	115.2	
REP 3569562	QC	<0.5	4.4	91	1.6	16.5	3	117.4	
Core Reject Duplicates									
3483170	Drill Core	<0.5	1.5	83	0.5	11.1	13	130.0	
DUP 3483170	QC	<0.5	1.6	82	0.5	10.7	13	134.1	
3483204	Drill Core	<0.5	2.2	48	0.7	10.1	2	71.9	
DUP 3483204	QC	<0.5	2.2	48	0.6	10.0	3	75.2	
3569530	Drill Core	<0.5	4.4	111	15.7	9.1	11	156.9	
DUP 3569530	QC	<0.5	4.1	108	14.8	8.9	11	154.5	
3569564	Drill Core	<0.5	2.2	116	0.4	17.4	3	102.0	
DUP 3569564	QC	<0.5	2.2	114	0.4	17.9	3	100.3	
Reference Materials									
STD OREAS25A-4A	Standard	<0.5	3.1	164	1.9	10.7	45	161.3	
STD OREAS25A-4A	Standard	<0.5	3.2	157	2.1	9.7	50	147.1	
STD OREAS25A-4A	Standard	<0.5	2.5	156	1.9	10.1	56	148.8	
STD OREAS25A-4A	Standard	<0.5	2.4	146	1.7	7.9	44	143.5	
STD OREAS45H	Standard	<0.5	1.8	293	0.8	9.9	41	124.5	

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 06, 2019

QUALITY CONTROL REPORT TIM19002584.1

		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
STD OREAS45E	Standard			0.3	7.07	16	246	<1	0.3	0.06	<0.1	25	60.1	983	771.2	24.09	2.9	0.10	0.31	11.5	6.5
STD OREAS45H	Standard			0.1	8.18	17	359	2	0.2	0.14	<0.1	25	94.8	668	768.6	19.88	3.8	0.12	0.20	14.7	14.6
STD OREAS45E	Standard			0.3	7.25	18	253	1	0.4	0.06	<0.1	25	57.2	1091	822.6	24.50	3.3	0.09	0.37	10.2	7.3
STD OREAS45E	Standard			0.3	6.73	16	253	<1	0.2	0.06	<0.1	21	59.2	998	771.4	24.23	2.8	0.10	0.32	9.1	7.7
STD OXC145	Standard		0.214																		
STD OXC145	Standard		0.217																		
STD OXC145	Standard		0.197																		
STD OXH139	Standard		1.285																		
STD OXH139	Standard		1.284																		
STD OXH139	Standard		1.266																		
STD OXN134	Standard		7.367																		
STD OXN134	Standard		7.591																		
STD OXN134	Standard		7.429																		
STD OXP116	Standard																				
STD OXQ90	Standard																				
STD OXQ90	Standard																				
STD OXP116 Expected																					
STD OXQ90 Expected																					
STD OXC145 Expected			0.212																		
STD OXN134 Expected			7.667																		
STD OXH139 Expected			1.312																		
STD OREAS45H Expected				0.147	7.99	16.9	332	1.09	0.17	0.135		23.6	88	602	767	19.52	3.6	0.1	0.205	12.4	13.1
STD OREAS25A-4A Expected					8.87	9.94	147	0.93	0.37	0.301		47.3	7.7	115	33.9	6.6	4.14	0.09	0.482	21.8	36.7
STD OREAS45E Expected				0.311	6.78	16.3	252		0.28	0.065	0.06	23.5	57	979	780	24.12	3.11	0.099	0.324	11	6.58
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank																				

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 06, 2019

QUALITY CONTROL REPORT TIM19002584.1

		MA200 Mg % 0.01	MA200 Mn ppm 1	MA200 Mo ppm 0.1	MA200 Na % 0.001	MA200 Nb ppm 0.1	MA200 Ni ppm 0.1	MA200 P % 0.001	MA200 Pb ppm 0.1	MA200 Rb ppm 0.1	MA200 Re ppm 0.005	MA200 S % 0.1	MA200 Sb ppm 0.1	MA200 Sc ppm 1	MA200 Se ppm 1	MA200 Sn ppm 0.1	MA200 Sr ppm 1	MA200 Ta ppm 0.1	MA200 Te ppm 0.5	MA200 Th ppm 0.1	MA200 Ti % 0.001
STD OREAS45E	Standard	0.16	537	2.2	0.051	6.0	468.9	0.033	19.1	21.7	<0.005	<0.1	1.0	90	2	1.3	17	0.5	<0.5	13.2	0.530
STD OREAS45H	Standard	0.26	386	1.6	0.078	14.6	445.6	0.022	14.1	24.2	<0.005	<0.1	0.6	56	1	2.3	29	1.0	<0.5	8.4	0.901
STD OREAS45E	Standard	0.17	602	2.2	0.064	6.4	477.8	0.035	17.9	23.2	<0.005	<0.1	0.9	98	3	1.2	17	0.5	<0.5	12.2	0.567
STD OREAS45E	Standard	0.15	537	2.3	0.054	6.0	461.0	0.031	16.4	20.1	<0.005	<0.1	1.0	89	2	1.1	14	0.5	<0.5	10.9	0.520
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXP116	Standard																				
STD OXQ90	Standard																				
STD OXQ90	Standard																				
STD OXP116 Expected																					
STD OXQ90 Expected																					
STD OXC145 Expected																					
STD OXN134 Expected																					
STD OXH139 Expected																					
STD OREAS45H Expected		0.238	380	1.55	0.09	14.8	423	0.023	11.9	22.5			0.63	57	2.02	1.93	27.1	1.08		7.26	0.878
STD OREAS25A-4A Expected		0.327	480	2.41	0.131	20.9	45.8	0.048	25.2	61		0.047	0.65	13.7	2.4	4.06	48.5	1.4		15.8	0.93
STD OREAS45E Expected		0.156	570	2.4	0.059	6.8	454	0.034	18.2	21.2		0.046	1	93	2.97	1.32	15.9	0.54	0.1	12.9	0.559
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 06, 2019

QUALITY CONTROL REPORT TIM19002584.1

		MA200 Tl ppm 0.5	MA200 U ppm 0.1	MA200 V ppm 1	MA200 W ppm 0.1	MA200 Y ppm 0.1	MA200 Zn ppm 1	MA200 Zr ppm 0.1	FA550 Au gm/t 0.9
STD OREAS45E	Standard	<0.5	2.7	321	1.0	7.4	42	90.3	
STD OREAS45H	Standard	<0.5	1.9	271	1.0	11.0	42	123.7	
STD OREAS45E	Standard	<0.5	2.4	349	1.1	8.2	55	100.4	
STD OREAS45E	Standard	<0.5	2.3	318	1.0	6.7	46	97.3	
STD OXC145	Standard								
STD OXC145	Standard								
STD OXC145	Standard								
STD OXH139	Standard								
STD OXH139	Standard								
STD OXH139	Standard								
STD OXN134	Standard								
STD OXN134	Standard								
STD OXN134	Standard								
STD OXP116	Standard								15.0
STD OXQ90	Standard								24.6
STD OXQ90	Standard								24.4
STD OXP116 Expected									14.92
STD OXQ90 Expected									24.88
STD OXC145 Expected									
STD OXN134 Expected									
STD OXH139 Expected									
STD OREAS45H Expected			1.68	263	0.99	10.4	39.7	131	
STD OREAS25A-4A Expected		0.35	2.94	157	2	10.5	44.4	155	
STD OREAS45E Expected		0.15	2.41	322	1.07	8.28	46.7	97	
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								<0.9

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 06, 2019

QUALITY CONTROL REPORT TIM19002584.1

		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	2	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	0.4	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	0.2	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	0.2	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
Prep Wash																					
ROCK-TIM	Prep Blank		<0.005	<0.1	9.35	1	1111	2	<0.1	1.89	<0.1	34	5.6	7	3.0	2.69	2.3	<0.05	2.43	16.9	2.1
ROCK-TIM	Prep Blank		<0.005	<0.1	7.29	1	836	1	<0.1	1.54	<0.1	28	4.5	6	2.0	2.16	2.0	<0.05	1.76	14.3	1.6

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 06, 2019

QUALITY CONTROL REPORT TIM19002584.1

		MA200 Mg % 0.01	MA200 Mn ppm 1	MA200 Mo ppm 0.1	MA200 Na % 0.001	MA200 Nb ppm 0.1	MA200 Ni ppm 0.1	MA200 P % 0.001	MA200 Pb ppm 0.1	MA200 Rb ppm 0.1	MA200 Re ppm 0.005	MA200 S % 0.1	MA200 Sb ppm 0.1	MA200 Sc ppm 1	MA200 Se ppm 1	MA200 Sn ppm 0.1	MA200 Sr ppm 1	MA200 Ta ppm 0.1	MA200 Te ppm 0.5	MA200 Th ppm 0.1	MA200 Ti % 0.001
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<1	<0.1	<0.001	<0.1	0.4	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.002	<0.1	0.2	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	1	<0.1	0.001	<0.1	0.2	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.004	<0.1	0.3	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	<0.001	<0.1	0.2	<0.001	<0.1	0.2	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
Prep Wash																					
ROCK-TIM	Prep Blank	0.67	836	1.4	4.603	7.8	1.2	0.056	3.2	44.0	<0.005	<0.1	0.2	9	<1	1.0	258	0.5	<0.5	3.7	0.271
ROCK-TIM	Prep Blank	0.55	691	1.3	3.618	5.9	0.9	0.047	2.5	35.5	<0.005	<0.1	<0.1	7	<1	0.8	198	0.4	<0.5	2.8	0.229

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 06, 2019

QUALITY CONTROL REPORT TIM19002584.1

		MA200 Tl ppm 0.5	MA200 U ppm 0.1	MA200 V ppm 1	MA200 W ppm 0.1	MA200 Y ppm 0.1	MA200 Zn ppm 1	MA200 Zr ppm 0.1	FA550 Au gm/t 0.9
BLK	Blank								
BLK	Blank								
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1	
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1	
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1	
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	0.1	
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1	
Prep Wash									
ROCK-TIM	Prep Blank	<0.5	1.7	43	0.4	21.7	43	68.8	
ROCK-TIM	Prep Blank	<0.5	1.4	35	0.4	16.6	35	55.8	

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By: Quentin Yarie
Receiving Lab: Canada-Timmins
Received: November 25, 2019
Report Date: November 28, 2019
Page: 1 of 2

CERTIFICATE OF ANALYSIS TIM19002584M.1

CLIENT JOB INFORMATION

Project: SPJ
Shipment ID:
P.O. Number
Number of Samples: 13

SAMPLE DISPOSAL

RTRN-PLP Return After 90 days
RTRN-RJT Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PUL85	13	Pulverize to 85% passing 200 mesh			TIM
SPTRF	13	Split samples by riffle splitter			TIM
M150 1kg	13	Metallic Sieve 1 kg to 150 mesh - save + and - fraction			TIM
FS552	13	Metallics Fire Assay for Au and/or Ag	50	Completed	TIM
EN002	13	Environmental disposal charge-Fire assay lead waste			TIM

ADDITIONAL COMMENTS

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC:

SCOTT INGLIS
Fire Assay Manager

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: November 28, 2019

CERTIFICATE OF ANALYSIS TIM19002584M.1

	Method	M150 1kg	FA550	FA550	FS550	FS550	FS550
	Analyte	TotWt	-Au	-Au	+ Wt	+ Au	Au Total
	Unit	g	gm/t	gm/t	g	gm/t	gm/t
	MDL	1	0.9	0.9	0.01	0.05	0.05
3483192	Drill Core	1060	<0.9	<0.9	36.83	<0.05	<0.05
3569513	Drill Core	980	<0.9	<0.9	29.28	1.06	<0.05
3569514	Drill Core	995	4.9	4.8	42.27	48.57	10.95
3569516	Drill Core	995	4.4	4.8	27.17	84.80	6.79
3569517	Drill Core	1000	5.7	7.1	27.78	62.78	7.97
3569518	Drill Core	1070	6.6	5.9	41.17	74.74	8.88
3569519	Drill Core	1050	18.7	19.2	29.94	126.99	22.03
3569521	Drill Core	1020	<0.9	<0.9	42.95	0.49	<0.05
3569535	Drill Core	1035	6.8	6.6	37.92	61.26	8.68
3569536	Drill Core	985	72.01	63.4	39.55	162.38	71.51
3569541	Drill Core	1055	2.1	2.0	36.97	28.35	2.95
3569544	Drill Core	1055	5.9	5.4	37.92	90.40	12.29
3569545	Drill Core	1050	4.3	3.9	38.14	43.60	5.57

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: November 28, 2019

QUALITY CONTROL REPORT TIM19002584M.1

	Method	M150 1kg	FA550	FA550	FS550	FS550	FS550
	Analyte	TotWt	-Au	-Au	+ Wt	+ Au	Au Total
	Unit	g	gm/t	gm/t	g	gm/t	gm/t
	MDL	1	0.9	0.9	0.01	0.05	0.05
Pulp Duplicates							
3569517	Drill Core	1000	5.7	7.1	27.78	62.78	7.97
REP 3569517	QC		5.9				
3569536	Drill Core	985	72.01	63.4	39.55	162.38	71.51
REP 3569536	QC			8.0			
Reference Materials							
STD OXP116	Standard			15.2			
STD OXP116	Standard		15.3				
STD OXQ90	Standard			25.4			
STD OXQ90	Standard			25.6			
STD OXQ90	Standard		25.5				
STD OXQ90	Standard		25.4				
STD OXQ90	Standard				50.12	24.54	
STD OXQ90 Expected						24.88	
BLK	Blank			<0.9			
BLK	Blank		<0.9				
BLK	Blank				50.00	<0.05	
Prep Wash							
ROCK-TIM	Prep Blank	1055	<0.9	<0.9	39.91	<0.05	<0.05

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By: Quentin Yarie
Receiving Lab: Canada-Timmins
Received: November 29, 2019
Report Date: December 05, 2019

CERTIFICATE OF ANALYSIS TIM19002584R.1

CLIENT JOB INFORMATION

Project: SPJ
Shipment ID:
P.O. Number
Number of Samples: 16

SAMPLE DISPOSAL

RTRN-PLP Return After 90 days
RTRN-RJT Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PUL85	16	Pulverize to 85% passing 200 mesh			TIM
SPTRF	16	Split samples by riffle splitter			TIM
FS652	16	Metallic Sieve 1 kg to 150 mesh - save + and - fraction			TIM
FS652	16	Metallic Fire Assay - duplicate minus fraction analysis	50	Completed	TIM
EN002	16	Environmental disposal charge-Fire assay lead waste			TIM

ADDITIONAL COMMENTS

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC:

MAY LAI
Data Validation Specialist

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"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 05, 2019

CERTIFICATE OF ANALYSIS TIM19002584R.1

	Method	M150 1kg	FA450	FA450	FS652	FS652	FS652
	Analyte	TotWt	-Au	-Au + Au Wt		+ Au	Au Total
	Unit	g	gm/t	gm/t	g	gm/t	gm/t
	MDL	1	0.005	0.005	0.01	0.05	0.05
3483194	Drill Core	925	3.293	3.200	30.07	26.24	3.99
3569513	Drill Core	910	0.156	0.120	43.23	0.58	0.16
3569514	Drill Core	910	5.724	7.095	42.38	54.29	8.16
3569516	Drill Core	900	5.606	7.095	37.93	103.77	10.46
3569517	Drill Core	915	6.226	6.862	32.39	45.42	7.92
3569518	Drill Core	885	5.983	6.245	42.63	44.29	7.95
3569519	Drill Core	735	9.331	9.002	45.60	66.12	18.90
3569521	Drill Core	980	0.186	0.180	40.68	<0.05	0.18
3569535	Drill Core	825	5.575	5.280	28.35	86.84	8.23
3569536	Drill Core	1020	63.83	67.52	56.04	146.39	70.11
3569538	Drill Core	715	5.812	5.513	25.12	99.32	8.95
3569539	Drill Core	795	1.718	1.476	38.32	50.03	3.93
3569541	Drill Core	735	2.005	1.971	27.67	34.44	3.21
3569543	Drill Core	760	2.620	2.940	35.50	64.23	5.65
3569544	Drill Core	755	40.45	42.72	27.00	142.19	45.18
3569545	Drill Core	780	3.716	3.562	35.84	47.68	5.66

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Client: **MacDonald Mines Exploration Ltd.**
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Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: December 05, 2019

QUALITY CONTROL REPORT TIM19002584R.1

	Method	M150 1kg	FA450	FA450	FS652	FS652	FS652
	Analyte	TotWt	-Au	-Au	+ Au Wt	+ Au	Au Total
	Unit	g	gm/t	gm/t	g	gm/t	gm/t
	MDL	1	0.005	0.005	0.01	0.05	0.05
Pulp Duplicates							
3569521	Drill Core	980	0.186	0.180	40.68	<0.05	0.18
REP 3569521	QC			0.148			
Reference Materials							
STD OXC145	Standard		0.212				
STD OXC145	Standard			0.220			
STD OXH139	Standard		1.276				
STD OXH139	Standard			1.234			
STD OXN134	Standard		7.819				
STD OXN134	Standard			7.651			
STD OXP116	Standard				49.47	14.66	
STD OXQ90	Standard				49.79	23.58	
STD OXQ90 Expected						24.88	
STD OXP116 Expected						14.92	
BLK	Blank				50.00	<0.05	
BLK	Blank				50.00	<0.05	
BLK	Blank		<0.005				
BLK	Blank		<0.005				
BLK	Blank			<0.005			
BLK	Blank			<0.005			
Prep Wash							
ROCK-TIM	Prep Blank	1105	0.006	0.005	41.67	<0.05	<0.05

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By:	Quentin Yarie
Receiving Lab:	Canada-Timmins
Received:	November 28, 2019
Analysis Start:	December 19, 2019
Report Date:	January 07, 2020
Page:	1 of 4

CERTIFICATE OF ANALYSIS TIM19002701.1

CLIENT JOB INFORMATION

Project:	SPJ
Shipment ID:	
P.O. Number	
Number of Samples:	80

SAMPLE DISPOSAL

RTRN-PLP	Return After 90 days
RTRN-RJT	Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP85-500	76	Crush split and pulverize 250g of sample to 200mesh			TIM
SHP01	80	Per sample shipping charges for branch shipments			TIM
SLBHP	4	Sort, label and box pulps			TIM
FA450	80	50g Lead Collection Fire Assay Fusion - AAS Finish	50	Completed	TIM
EN002	80	Environmental disposal charge-Fire assay lead waste			TIM
MA200	80	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
EN001-MA	80	Environmental disposal fee - Multi-acid neutralization			VAN

ADDITIONAL COMMENTS

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
Marcus Lau
MARCUS LAU
Production Manager

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All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 07, 2020

CERTIFICATE OF ANALYSIS TIM19002701.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3483209	Drill Core	6.13	0.016	<0.1	4.98	48	14	<1	0.5	10.20	<0.1	25	18.7	47	4.6	3.27	2.1	<0.05	0.14	10.8	4.0
3483210	Drill Core	6.84	0.082	<0.1	5.67	21	15	<1	0.2	9.03	<0.1	21	8.1	48	2.5	2.45	2.2	<0.05	0.08	9.0	3.1
3483211	Drill Core	6.92	0.042	<0.1	5.59	31	22	<1	0.3	9.28	<0.1	29	11.9	49	5.2	2.43	2.4	<0.05	0.13	12.6	4.3
3483212	Drill Core	6.26	0.009	<0.1	6.27	14	14	<1	0.2	7.95	<0.1	19	5.3	53	4.4	1.90	2.7	<0.05	0.06	7.6	2.8
3483213	Drill Core	5.44	<0.005	<0.1	6.44	3	16	1	<0.1	7.57	<0.1	14	2.5	53	1.6	1.80	2.8	<0.05	0.08	5.6	3.5
3483214	Drill Core	3.84	0.008	<0.1	5.00	2	14	<1	<0.1	7.67	<0.1	33	7.9	53	44.6	3.16	2.6	<0.05	0.45	15.2	12.7
3483215	Drill Core	5.38	0.014	<0.1	5.30	3	132	1	<0.1	14.76	<0.1	40	10.3	54	53.8	2.30	2.5	<0.05	0.80	19.8	10.0
3483216	Drill Core	6.05	0.005	<0.1	4.45	5	138	2	<0.1	15.76	<0.1	35	13.2	47	32.3	2.99	2.0	0.07	1.50	15.5	23.9
3483217	Drill Core	6.02	0.047	<0.1	5.74	5	45	2	0.1	12.17	<0.1	43	13.9	60	10.3	3.09	2.8	0.09	0.16	20.0	4.7
3483218	Drill Core	6.30	0.006	<0.1	7.30	14	94	2	0.2	5.35	<0.1	58	17.7	92	17.9	4.87	3.5	0.09	0.48	25.6	15.5
3483219	Drill Core	5.99	<0.005	<0.1	6.90	8	59	2	0.2	4.64	<0.1	39	14.2	89	4.0	3.82	3.2	0.08	0.33	14.7	12.3
3483220	Rock Pulp	0.07	1.605	0.2	7.32	796	334	<1	0.1	5.72	<0.1	35	44.5	189	79.7	8.31	2.9	0.06	0.67	18.3	9.7
3483221	Drill Core	6.10	0.008	<0.1	5.75	7	28	2	0.1	13.50	<0.1	45	16.3	58	25.2	3.64	2.8	0.09	0.22	19.4	8.0
3483222	Drill Core	6.11	0.010	<0.1	4.60	2	34	<1	<0.1	18.16	<0.1	37	11.3	50	15.6	2.37	2.2	<0.05	0.50	16.6	22.9
3483223	Drill Core	6.25	<0.005	<0.1	4.96	3	32	2	0.1	17.55	<0.1	34	13.0	50	3.8	2.42	2.4	0.05	0.08	14.7	4.1
3483224	Drill Core	5.69	<0.005	<0.1	4.06	1	80	1	<0.1	21.07	<0.1	29	8.8	47	10.5	1.86	2.0	<0.05	0.23	12.1	5.6
3483225	Rock	0.21	<0.005	<0.1	8.16	1	17	<1	<0.1	0.18	<0.1	1	<0.2	2	0.9	0.20	0.2	<0.05	3.98	0.5	27.7
3483226	Drill Core	5.84	<0.005	<0.1	4.53	<1	131	2	<0.1	20.45	<0.1	44	11.5	52	12.0	2.65	2.2	0.07	0.40	24.5	10.0
3483227	Drill Core	6.77	<0.005	<0.1	3.70	3	317	1	<0.1	23.49	<0.1	41	10.2	40	18.8	1.92	1.8	<0.05	0.73	21.2	2.5
3483228	Drill Core	6.80	<0.005	<0.1	3.37	1	293	<1	<0.1	24.84	<0.1	34	8.5	35	29.4	1.47	2.0	<0.05	0.71	17.5	1.9
3483229	Drill Core	6.51	<0.005	<0.1	4.44	5	598	1	<0.1	20.79	<0.1	47	17.1	51	29.8	2.56	2.3	<0.05	1.10	25.6	8.2
3483230	Drill Core	6.02	<0.005	<0.1	3.97	4	860	1	<0.1	20.97	<0.1	35	15.2	53	26.0	2.37	1.9	<0.05	1.62	18.1	14.8
3483231	Drill Core	6.44	<0.005	<0.1	3.79	3	489	<1	<0.1	22.55	<0.1	36	9.5	49	15.4	2.19	1.8	<0.05	1.03	18.1	8.5
3483232	Drill Core	6.21	<0.005	<0.1	3.25	9	373	1	<0.1	23.98	<0.1	30	12.0	35	17.3	1.74	1.8	<0.05	0.83	14.3	13.6
3483233	Drill Core	6.26	<0.005	<0.1	4.15	10	381	<1	<0.1	20.78	<0.1	40	11.7	43	19.8	2.30	2.0	0.06	0.96	19.2	18.2
3483234	Drill Core	6.01	0.006	<0.1	4.09	10	282	1	0.1	20.47	<0.1	42	14.0	45	20.8	2.68	1.9	<0.05	1.10	20.5	32.9
3483235	Drill Core	6.65	<0.005	<0.1	3.92	9	188	<1	0.1	21.62	<0.1	37	11.4	56	11.2	2.13	1.7	<0.05	0.87	18.3	22.7
3483236	Drill Core	6.85	<0.005	<0.1	2.84	9	186	<1	0.1	27.12	<0.1	27	8.4	31	9.6	1.55	1.5	<0.05	0.75	13.2	19.6
3483237	Drill Core	5.86	0.005	<0.1	2.65	6	205	<1	0.2	27.68	<0.1	27	6.2	24	10.9	1.40	1.5	<0.05	0.64	13.7	17.0
3483238	Drill Core	6.37	0.006	<0.1	3.11	20	246	<1	0.2	25.55	<0.1	29	10.4	29	17.5	1.92	1.6	<0.05	0.77	13.9	19.9

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Project: SPJ
Report Date: January 07, 2020

CERTIFICATE OF ANALYSIS TIM19002701.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3483209	Drill Core	5.59	927	0.3	3.656	1.7	24.7	0.034	1.0	1.7	<0.005	0.8	0.5	10	<1	0.5	57	0.1	3.8	6.4	0.063
3483210	Drill Core	5.12	727	0.3	4.194	2.0	12.9	0.039	0.9	1.1	<0.005	0.2	0.6	13	<1	0.7	57	0.2	2.3	6.5	0.076
3483211	Drill Core	4.70	642	0.4	4.055	3.3	20.8	0.035	1.1	6.0	<0.005	0.4	0.6	13	1	0.7	59	0.2	4.4	7.6	0.110
3483212	Drill Core	4.43	577	0.3	4.987	3.4	10.3	0.036	1.3	0.6	<0.005	0.1	0.7	17	1	0.8	51	0.3	2.4	9.5	0.109
3483213	Drill Core	4.70	591	0.4	4.895	2.4	6.4	0.042	1.0	0.7	<0.005	<0.1	0.4	12	<1	0.6	54	0.2	1.9	9.1	0.081
3483214	Drill Core	7.78	1077	0.4	2.540	3.0	25.2	0.034	0.9	4.5	<0.005	<0.1	0.3	14	<1	0.5	43	0.2	3.2	7.2	0.122
3483215	Drill Core	1.40	500	0.4	3.551	6.1	46.3	0.033	1.9	53.8	<0.005	<0.1	0.4	11	1	1.3	158	0.5	1.5	7.7	0.233
3483216	Drill Core	3.05	431	0.5	2.215	5.3	47.7	0.027	6.8	98.1	<0.005	<0.1	0.4	10	1	1.1	128	0.4	4.9	7.1	0.186
3483217	Drill Core	1.35	328	0.3	4.100	7.7	47.8	0.036	1.7	10.3	<0.005	<0.1	0.6	11	2	1.8	109	0.6	2.3	8.5	0.235
3483218	Drill Core	2.02	253	0.5	4.856	9.6	69.7	0.045	2.1	41.1	<0.005	<0.1	0.8	14	1	2.4	118	0.7	1.1	11.7	0.309
3483219	Drill Core	1.75	241	0.5	4.929	9.4	58.3	0.048	2.2	27.2	<0.005	<0.1	0.9	15	<1	2.1	124	0.7	1.1	10.7	0.321
3483220	Rock Pulp	3.88	2012	2.6	1.962	19.0	136.0	0.167	4.7	19.5	<0.005	0.8	2.3	19	1	1.6	366	1.0	0.8	3.1	0.925
3483221	Drill Core	1.64	379	0.4	3.489	7.3	49.6	0.032	1.8	16.5	<0.005	<0.1	0.9	11	2	1.8	144	0.6	3.0	8.2	0.233
3483222	Drill Core	1.45	396	0.3	2.880	5.6	32.9	0.028	1.9	44.8	<0.005	<0.1	0.6	9	<1	1.2	135	0.4	1.7	6.5	0.196
3483223	Drill Core	1.30	357	0.3	3.006	6.3	42.2	0.029	1.9	1.0	<0.005	<0.1	0.8	10	<1	1.5	188	0.5	1.8	7.1	0.206
3483224	Drill Core	0.97	382	0.4	2.484	4.9	31.4	0.026	1.8	9.3	<0.005	<0.1	0.5	9	<1	1.1	183	0.4	2.1	6.0	0.184
3483225	Rock	0.03	42	0.2	7.779	<0.1	0.6	<0.001	5.2	61.5	<0.005	<0.1	0.1	<1	2	<0.1	31	<0.1	<0.5	0.1	<0.001
3483226	Drill Core	1.21	420	0.6	2.188	5.4	43.0	0.030	2.1	23.3	<0.005	<0.1	0.8	10	<1	1.2	266	0.4	2.2	6.4	0.201
3483227	Drill Core	0.89	461	0.4	1.785	5.1	31.3	0.024	1.8	17.0	<0.005	<0.1	0.4	8	<1	1.1	254	0.4	3.0	6.2	0.159
3483228	Drill Core	0.66	501	0.9	1.664	4.5	21.6	0.021	2.6	15.5	<0.005	<0.1	0.3	6	1	0.9	215	0.3	3.3	5.2	0.138
3483229	Drill Core	1.20	461	0.5	1.917	5.8	44.3	0.029	2.9	37.0	<0.005	<0.1	0.7	10	<1	1.3	253	0.4	5.3	6.9	0.198
3483230	Drill Core	1.08	431	0.4	1.507	4.7	35.4	0.025	2.6	69.9	<0.005	<0.1	0.7	9	<1	1.0	191	0.4	2.6	5.9	0.187
3483231	Drill Core	0.96	446	1.6	1.710	4.2	33.2	0.025	2.1	41.1	<0.005	<0.1	0.4	8	<1	0.9	214	0.3	1.8	5.4	0.172
3483232	Drill Core	0.80	479	1.3	1.460	4.1	26.7	0.021	2.2	53.7	<0.005	<0.1	0.3	6	<1	0.9	220	0.3	3.1	5.0	0.138
3483233	Drill Core	1.05	472	0.9	1.754	5.2	31.5	0.028	2.2	61.0	<0.005	<0.1	0.5	8	<1	1.2	232	0.4	1.8	6.4	0.171
3483234	Drill Core	1.30	481	0.5	1.568	5.3	36.7	0.024	2.3	88.7	<0.005	<0.1	0.5	8	1	1.1	252	0.4	2.6	6.5	0.175
3483235	Drill Core	0.99	497	0.8	1.730	4.4	32.5	0.030	2.2	66.0	<0.005	<0.1	0.5	8	1	1.0	283	0.3	2.7	5.8	0.174
3483236	Drill Core	0.67	589	0.5	1.222	3.8	21.2	0.020	1.9	47.4	<0.005	<0.1	0.3	6	<1	0.8	309	0.3	6.1	4.6	0.121
3483237	Drill Core	0.64	634	0.5	1.166	3.8	18.1	0.017	1.9	35.6	<0.005	<0.1	0.3	6	<1	0.8	272	0.3	4.1	4.5	0.111
3483238	Drill Core	0.88	637	0.7	1.123	4.4	24.5	0.019	2.2	40.1	<0.005	<0.1	0.5	6	<1	0.8	334	0.3	5.1	5.2	0.132

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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3483209	Drill Core	<0.5	2.2	62	3.4	10.3	2	76.5
3483210	Drill Core	<0.5	2.2	71	3.5	11.1	2	83.8
3483211	Drill Core	<0.5	2.8	74	3.5	12.3	1	87.8
3483212	Drill Core	<0.5	3.5	77	4.7	11.7	1	101.9
3483213	Drill Core	<0.5	3.0	82	3.6	10.8	1	100.1
3483214	Drill Core	<0.5	3.6	110	2.9	17.2	7	92.2
3483215	Drill Core	<0.5	2.6	80	1.0	13.2	3	89.7
3483216	Drill Core	<0.5	2.5	70	1.8	15.7	5	71.6
3483217	Drill Core	<0.5	3.5	76	1.4	16.8	4	102.0
3483218	Drill Core	<0.5	4.4	105	0.7	19.9	7	121.4
3483219	Drill Core	<0.5	4.3	95	0.8	18.0	7	121.3
3483220	Rock Pulp	<0.5	0.9	166	1.3	20.7	114	116.1
3483221	Drill Core	<0.5	3.3	80	0.7	19.7	6	96.3
3483222	Drill Core	<0.5	2.8	64	0.7	14.3	6	77.8
3483223	Drill Core	<0.5	2.9	68	0.8	13.5	6	81.5
3483224	Drill Core	<0.5	2.6	56	0.7	11.7	6	70.1
3483225	Rock	0.8	0.1	<1	<0.1	1.6	3	15.5
3483226	Drill Core	<0.5	2.7	68	1.0	12.2	7	75.1
3483227	Drill Core	<0.5	2.6	48	0.8	11.6	5	67.9
3483228	Drill Core	<0.5	2.1	41	0.6	9.4	5	66.6
3483229	Drill Core	<0.5	2.6	64	0.9	12.5	9	73.6
3483230	Drill Core	<0.5	2.4	63	0.7	10.6	9	66.8
3483231	Drill Core	<0.5	2.1	55	0.9	9.5	7	61.9
3483232	Drill Core	<0.5	2.1	44	0.7	9.3	7	56.7
3483233	Drill Core	<0.5	2.4	53	1.2	10.8	10	73.1
3483234	Drill Core	<0.5	2.6	56	0.8	11.4	14	73.5
3483235	Drill Core	<0.5	2.3	56	1.2	10.2	11	64.6
3483236	Drill Core	<0.5	1.8	38	1.1	8.9	8	48.4
3483237	Drill Core	<0.5	1.8	32	0.8	8.3	8	49.4
3483238	Drill Core	<0.5	1.9	40	0.8	9.3	11	52.1

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 07, 2020

CERTIFICATE OF ANALYSIS TIM19002701.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3483239	Drill Core	6.48	0.009	<0.1	3.17	15	267	<1	0.2	26.05	<0.1	28	8.8	37	20.4	2.03	1.6	<0.05	0.78	13.3	22.6
3483240	Rock Pulp	0.07	0.541	0.2	7.33	7	141	<1	<0.1	6.78	0.1	10	46.0	175	154.8	7.85	1.5	0.07	0.20	3.8	11.9
3483241	Drill Core	6.39	0.005	<0.1	2.45	24	175	<1	<0.1	28.32	<0.1	29	5.8	28	32.0	1.16	1.3	<0.05	0.51	13.9	14.6
3483242	Drill Core	6.50	0.029	<0.1	2.05	13	167	<1	0.2	29.54	<0.1	27	6.8	28	36.6	0.90	1.2	<0.05	0.42	15.8	13.4
3483243	Drill Core	6.51	0.023	<0.1	2.29	15	202	<1	0.2	29.31	<0.1	42	7.2	26	29.6	0.88	1.4	<0.05	0.41	25.3	13.4
3483244	Drill Core	6.54	0.019	<0.1	2.53	26	320	<1	0.2	28.14	<0.1	25	10.0	31	28.3	1.35	1.4	0.05	0.70	13.5	21.7
3483245	Drill Core	6.38	0.019	<0.1	1.64	13	225	<1	0.2	30.32	<0.1	26	7.1	20	22.2	0.87	0.9	<0.05	0.39	15.5	12.1
3483246	Drill Core	6.52	0.033	<0.1	2.34	19	242	<1	0.2	28.95	<0.1	25	8.2	28	28.6	1.10	1.3	0.05	0.51	15.9	17.0
3483247	Drill Core	5.91	0.019	<0.1	2.44	10	478	1	0.1	27.77	<0.1	24	6.3	29	21.3	0.97	1.4	<0.05	0.55	14.0	13.9
3483248	Drill Core	6.37	0.017	<0.1	2.72	19	328	<1	0.2	26.97	<0.1	30	8.8	33	23.5	1.40	1.4	<0.05	0.57	17.5	18.4
3483249	Drill Core	7.08	0.012	<0.1	2.47	6	318	<1	0.2	27.70	<0.1	34	6.6	28	19.3	1.18	1.5	<0.05	0.54	21.3	17.6
3483250	Rock	0.21	<0.005	<0.1	8.47	<1	17	<1	<0.1	0.20	<0.1	1	<0.2	1	0.6	0.24	0.3	<0.05	3.72	0.5	24.4
3483251	Drill Core	6.21	0.022	<0.1	3.15	1	761	<1	0.1	25.15	<0.1	36	8.7	33	21.1	1.97	1.4	0.05	0.91	17.7	24.7
3483252	Drill Core	5.21	0.023	<0.1	4.21	4	976	1	0.2	21.32	<0.1	25	13.9	54	33.0	2.56	2.3	<0.05	1.42	13.6	39.5
3483253	Drill Core	5.53	0.015	<0.1	2.60	3	819	<1	0.1	26.46	<0.1	29	6.1	26	21.5	1.12	1.6	<0.05	0.71	16.2	18.5
3483254	Drill Core	4.82	0.024	<0.1	2.60	2	817	<1	0.1	26.97	<0.1	33	5.4	28	13.5	1.16	1.4	<0.05	0.72	19.5	18.6
3482831	Drill Core	4.04	0.007	<0.1	9.19	4	25	<1	<0.1	1.52	<0.1	44	7.4	9	2.6	0.46	1.4	<0.05	0.12	19.0	0.8
3482832	Drill Core	3.42	0.022	<0.1	7.32	23	26	1	0.2	3.10	<0.1	74	52.6	32	2.3	1.17	3.5	<0.05	0.19	38.8	1.2
3482833	Drill Core	3.99	0.009	<0.1	7.46	7	19	2	<0.1	5.23	<0.1	64	11.8	22	1.8	1.56	1.6	<0.05	0.14	32.9	1.1
3482834	Drill Core	5.56	0.009	<0.1	6.96	3	37	1	<0.1	1.80	<0.1	9	4.8	31	1.6	0.72	2.5	<0.05	0.21	4.4	2.3
3569571	Drill Core	6.25	0.012	<0.1	3.91	2	28	<1	<0.1	19.61	<0.1	39	13.0	50	1.2	2.75	2.2	0.08	0.02	22.6	1.2
3569572	Drill Core	6.00	0.006	<0.1	3.72	2	30	<1	<0.1	22.49	<0.1	31	11.2	37	8.3	2.04	2.0	<0.05	0.01	16.6	1.7
3569573	Drill Core	6.05	0.013	<0.1	3.89	4	30	<1	<0.1	22.39	<0.1	38	13.8	46	4.4	2.08	2.3	<0.05	0.02	23.0	1.8
3569574	Drill Core	5.90	0.010	<0.1	4.78	<1	39	<1	<0.1	19.44	<0.1	41	15.6	59	3.6	2.70	2.2	0.06	0.03	22.4	1.5
3569575	Rock	0.21	0.007	<0.1	8.47	1	16	<1	<0.1	0.19	<0.1	1	<0.2	2	0.5	0.22	0.2	<0.05	3.60	0.6	23.7
3569576	Drill Core	6.54	0.007	<0.1	3.98	3	25	<1	<0.1	22.20	<0.1	37	9.9	48	6.3	1.86	2.1	<0.05	0.03	20.3	1.5
3569577	Drill Core	6.39	0.005	<0.1	3.88	3	34	<1	<0.1	22.76	<0.1	40	11.3	48	3.8	1.99	2.0	0.05	0.04	20.5	2.3
3569578	Drill Core	6.03	<0.005	<0.1	4.77	1	32	1	<0.1	18.25	<0.1	56	15.6	56	2.3	2.90	2.1	0.09	0.04	28.7	2.3
3569579	Drill Core	6.20	0.030	<0.1	5.92	20	48	2	0.3	12.61	<0.1	73	39.0	76	41.5	4.29	2.9	0.10	0.10	42.4	3.0
3569580	Rock Pulp	0.07	5.304	0.9	6.22	25	223	<1	0.4	5.36	0.2	12	45.4	282	147.7	7.00	1.6	0.06	0.46	5.8	18.6

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 07, 2020

CERTIFICATE OF ANALYSIS TIM19002701.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3483239	Drill Core	0.94	671	0.7	1.141	4.4	26.5	0.021	2.7	39.7	<0.005	<0.1	0.5	7	<1	0.9	346	0.3	2.4	5.1	0.139
3483240	Rock Pulp	4.18	1509	0.5	2.174	3.7	94.1	0.038	3.1	3.7	<0.005	0.1	0.4	44	<1	0.6	120	0.2	1.6	0.4	0.652
3483241	Drill Core	0.47	747	0.6	1.170	3.5	14.3	0.016	2.0	23.2	<0.005	<0.1	0.3	5	<1	1.0	317	0.3	2.2	4.5	0.107
3483242	Drill Core	0.42	876	0.5	1.022	3.2	20.4	0.017	2.6	21.3	<0.005	<0.1	0.4	5	<1	0.5	323	0.3	2.4	4.6	0.104
3483243	Drill Core	0.42	876	0.5	1.182	3.4	18.0	0.016	5.1	20.3	<0.005	<0.1	0.3	4	<1	0.5	285	0.3	2.8	5.1	0.105
3483244	Drill Core	0.66	862	0.4	1.083	3.9	21.1	0.020	13.6	34.4	<0.005	<0.1	0.4	5	<1	0.5	295	0.3	3.8	5.5	0.121
3483245	Drill Core	0.39	884	0.6	0.741	2.5	15.0	0.013	11.4	19.3	<0.005	<0.1	0.3	3	<1	0.4	253	0.2	3.4	3.7	0.081
3483246	Drill Core	0.51	857	0.6	1.082	3.6	21.1	0.017	4.4	24.6	<0.005	<0.1	0.4	4	<1	0.6	249	0.3	1.8	4.7	0.110
3483247	Drill Core	0.44	773	0.6	1.159	3.5	20.0	0.017	2.4	26.2	<0.005	<0.1	0.2	5	<1	0.6	239	0.3	2.2	5.3	0.110
3483248	Drill Core	0.64	742	0.6	1.158	4.1	22.1	0.018	3.3	30.2	<0.005	<0.1	0.3	5	<1	0.6	266	0.3	2.7	5.6	0.121
3483249	Drill Core	0.54	793	0.6	1.137	3.7	19.2	0.015	3.1	26.9	<0.005	<0.1	0.3	5	<1	0.5	274	0.3	1.2	5.4	0.113
3483250	Rock	0.02	39	0.2	7.823	0.1	0.5	<0.001	5.3	51.6	<0.005	<0.1	0.1	<1	<1	<0.1	28	<0.1	<0.5	0.2	<0.001
3483251	Drill Core	0.89	742	0.6	1.332	4.5	27.3	0.021	3.1	48.3	<0.005	<0.1	0.4	6	1	1.3	238	0.4	5.2	5.9	0.147
3483252	Drill Core	1.20	702	0.9	1.565	6.2	49.4	0.027	5.0	70.8	<0.005	0.2	0.6	8	<1	2.6	239	0.5	2.1	8.6	0.195
3483253	Drill Core	0.55	827	0.7	1.160	3.6	17.2	0.016	3.5	31.1	<0.005	0.1	0.2	5	<1	0.9	214	0.3	3.2	5.3	0.116
3483254	Drill Core	0.54	860	0.5	0.989	3.4	20.2	0.017	3.1	32.7	<0.005	<0.1	0.2	5	<1	0.9	233	0.3	3.1	5.1	0.119
3482831	Drill Core	0.58	118	0.5	8.225	0.6	6.3	0.069	1.1	0.8	<0.005	<0.1	0.2	1	<1	0.1	77	<0.1	<0.5	4.2	0.023
3482832	Drill Core	1.44	286	0.7	6.682	1.9	30.5	0.062	1.6	1.2	<0.005	0.5	0.3	3	<1	0.3	76	0.2	<0.5	8.5	0.058
3482833	Drill Core	2.57	552	0.4	6.534	0.8	12.3	0.035	1.4	1.9	<0.005	0.1	0.1	6	<1	0.5	97	<0.1	1.5	6.6	0.029
3482834	Drill Core	1.06	146	0.4	6.908	1.2	14.4	0.038	1.9	1.3	<0.005	<0.1	0.1	4	<1	0.8	91	0.1	<0.5	5.9	0.046
3569571	Drill Core	1.32	687	0.5	2.559	5.1	38.3	0.027	2.0	0.2	<0.005	<0.1	0.6	8	<1	1.3	179	0.4	3.5	6.8	0.183
3569572	Drill Core	1.00	715	0.5	2.278	4.7	30.5	0.022	5.7	0.2	<0.005	<0.1	0.9	7	<1	1.0	183	0.4	2.6	6.1	0.169
3569573	Drill Core	0.91	642	0.2	2.509	5.1	30.2	0.027	3.2	0.4	<0.005	<0.1	0.7	8	<1	1.3	176	0.4	2.9	7.1	0.176
3569574	Drill Core	1.29	493	0.3	2.676	6.3	46.7	0.028	3.0	0.4	<0.005	<0.1	1.3	10	<1	1.6	251	0.5	1.6	7.9	0.222
3569575	Rock	0.03	42	0.2	7.693	<0.1	0.6	<0.001	5.2	54.0	<0.005	<0.1	0.1	<1	<1	<0.1	28	<0.1	<0.5	0.1	<0.001
3569576	Drill Core	0.87	474	0.2	2.686	4.9	34.1	0.026	2.4	0.2	<0.005	<0.1	0.7	8	<1	1.2	219	0.4	2.6	8.4	0.186
3569577	Drill Core	0.98	470	0.3	2.326	4.9	34.2	0.025	2.7	0.5	<0.005	<0.1	1.0	9	<1	1.2	239	0.4	3.0	6.5	0.184
3569578	Drill Core	1.32	435	0.4	2.922	5.7	40.7	0.032	2.3	0.5	<0.005	<0.1	1.1	10	<1	2.0	230	0.5	2.3	7.0	0.240
3569579	Drill Core	1.37	376	0.6	3.761	7.5	96.6	0.035	3.1	4.7	<0.005	1.1	1.4	11	3	2.6	183	0.6	2.3	10.4	0.268
3569580	Rock Pulp	4.02	1251	3.0	1.907	3.3	120.1	0.040	18.7	14.4	<0.005	0.4	0.5	32	<1	0.6	105	0.2	1.3	1.2	0.564

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 07, 2020

CERTIFICATE OF ANALYSIS TIM19002701.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3483239	Drill Core	<0.5	2.0	42	0.9	9.7	14	52.1
3483240	Rock Pulp	<0.5	0.1	318	1.1	23.0	81	49.8
3483241	Drill Core	<0.5	1.9	31	0.8	8.1	6	47.1
3483242	Drill Core	<0.5	2.0	25	0.7	7.7	7	42.7
3483243	Drill Core	<0.5	2.2	27	1.2	7.6	14	40.5
3483244	Drill Core	<0.5	2.2	32	0.8	8.3	19	47.8
3483245	Drill Core	<0.5	1.7	20	0.6	7.2	19	29.9
3483246	Drill Core	<0.5	2.0	29	0.6	8.4	17	41.5
3483247	Drill Core	<0.5	2.1	29	0.7	8.7	8	47.6
3483248	Drill Core	<0.5	2.2	32	0.9	9.2	13	46.6
3483249	Drill Core	<0.5	2.0	29	0.7	9.3	9	43.9
3483250	Rock	0.7	0.1	<1	<0.1	1.4	2	12.3
3483251	Drill Core	<0.5	2.3	43	0.8	11.2	18	56.0
3483252	Drill Core	<0.5	3.3	55	1.4	12.1	21	72.9
3483253	Drill Core	<0.5	2.2	31	0.9	9.0	11	46.9
3483254	Drill Core	<0.5	2.1	32	1.5	9.6	16	45.0
3482831	Drill Core	<0.5	1.1	9	0.5	3.5	<1	51.9
3482832	Drill Core	<0.5	2.2	28	1.8	7.0	1	111.4
3482833	Drill Core	<0.5	1.4	26	0.8	16.5	1	54.9
3482834	Drill Core	<0.5	1.7	33	0.8	5.0	1	94.2
3569571	Drill Core	<0.5	2.3	50	1.0	11.4	7	69.8
3569572	Drill Core	<0.5	2.3	47	0.8	9.9	5	63.7
3569573	Drill Core	<0.5	2.4	48	0.6	10.7	4	72.8
3569574	Drill Core	<0.5	2.7	63	1.0	12.4	5	72.3
3569575	Rock	0.7	0.2	<1	<0.1	1.5	2	14.3
3569576	Drill Core	<0.5	2.8	51	0.7	11.0	5	70.7
3569577	Drill Core	<0.5	2.5	52	0.6	11.4	5	69.7
3569578	Drill Core	<0.5	2.7	71	0.6	12.9	6	84.9
3569579	Drill Core	<0.5	4.3	86	0.7	16.1	8	96.6
3569580	Rock Pulp	<0.5	0.3	269	5.2	19.1	91	48.3

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 07, 2020

CERTIFICATE OF ANALYSIS TIM19002701.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3569581	Drill Core	5.65	<0.005	<0.1	6.82	5	112	1	<0.1	5.24	<0.1	43	12.9	81	6.3	2.60	3.4	<0.05	0.47	19.3	14.3
3569582	Drill Core	5.61	0.006	<0.1	6.95	5	118	1	<0.1	8.25	<0.1	49	15.4	85	8.7	3.82	3.5	0.08	0.41	23.8	10.6
3569583	Drill Core	5.57	0.006	<0.1	5.24	3	139	1	<0.1	17.80	<0.1	57	15.6	62	4.6	3.35	2.5	0.09	0.21	33.3	1.5
3569584	Drill Core	6.05	0.056	<0.1	4.54	3	246	<1	<0.1	20.41	<0.1	51	12.7	51	6.7	2.60	2.5	0.08	0.34	30.8	1.6
3569585	Drill Core	5.64	<0.005	<0.1	5.78	8	71	1	0.2	12.51	<0.1	44	26.3	66	31.1	3.47	2.9	0.05	0.14	21.7	2.1
3569586	Drill Core	7.13	<0.005	<0.1	5.31	2	88	2	0.1	16.23	<0.1	61	14.4	56	3.6	2.77	2.6	0.07	0.18	33.2	1.9
3569587	Drill Core	6.15	0.007	<0.1	5.55	<1	130	2	<0.1	15.34	<0.1	58	12.4	64	4.9	2.93	2.8	0.09	0.24	33.2	2.6
3569588	Drill Core	5.63	0.009	<0.1	4.31	2	305	1	<0.1	19.28	<0.1	47	10.6	47	3.9	2.03	2.1	0.06	0.67	25.9	2.0
3569589	Drill Core	7.25	0.008	<0.1	5.11	4	314	1	0.5	15.51	<0.1	43	13.7	63	5.9	2.92	2.2	0.12	0.78	22.3	6.3
3569590	Drill Core	7.09	<0.005	<0.1	3.67	3	262	<1	0.3	22.88	<0.1	32	11.0	42	4.9	1.88	2.0	<0.05	0.73	15.9	3.9
3569591	Drill Core	6.35	<0.005	<0.1	3.56	2	248	<1	0.3	23.32	<0.1	31	9.5	43	10.8	1.61	1.8	<0.05	0.70	15.5	3.9
3569592	Drill Core	6.45	0.007	<0.1	4.91	3	210	1	0.3	17.95	<0.1	38	11.6	55	5.5	2.62	2.2	0.06	0.58	17.8	6.3
3569593	Drill Core	6.14	0.030	<0.1	3.97	<1	256	1	0.3	21.21	<0.1	32	9.0	43	5.5	2.01	1.8	<0.05	0.66	15.2	4.9
3569594	Drill Core	5.57	0.006	<0.1	3.08	<1	249	<1	0.3	24.71	<0.1	35	9.0	33	9.6	1.54	1.5	0.06	0.64	17.0	3.5
3569595	Drill Core	5.35	0.008	<0.1	3.57	<1	272	<1	0.3	22.79	<0.1	43	21.8	42	25.2	2.14	1.9	<0.05	0.71	20.9	5.2
3569596	Drill Core	4.69	<0.005	<0.1	3.98	<1	316	<1	0.2	20.96	<0.1	31	11.5	44	13.6	2.11	2.2	<0.05	1.00	15.2	17.7
3569597	Drill Core	5.02	0.006	<0.1	3.23	<1	179	<1	0.2	23.53	<0.1	29	8.4	35	11.4	1.51	1.7	<0.05	0.62	14.3	16.5
3569598	Rock Pulp	0.07	0.505	0.2	7.19	4	145	<1	0.2	6.87	<0.1	10	47.7	173	149.3	7.91	1.7	0.09	0.19	3.9	12.6
3569599	Drill Core	5.30	0.009	<0.1	3.40	7	151	<1	0.1	24.27	<0.1	30	9.7	37	12.7	1.96	1.8	0.08	0.52	16.2	14.9
3569600	Rock	0.21	<0.005	<0.1	6.49	1	10	<1	<0.1	0.19	<0.1	<1	<0.2	1	0.8	0.16	0.2	<0.05	3.06	0.1	23.6

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 07, 2020

CERTIFICATE OF ANALYSIS TIM19002701.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3569581	Drill Core	1.38	222	0.4	5.200	8.8	53.1	0.041	2.1	42.7	<0.005	<0.1	0.6	13	<1	2.6	70	0.7	0.5	11.0	0.299
3569582	Drill Core	1.66	334	0.4	4.876	9.0	54.8	0.043	2.2	38.0	<0.005	<0.1	1.6	13	<1	2.7	127	0.7	0.6	12.0	0.310
3569583	Drill Core	1.28	464	0.4	2.891	6.8	43.0	0.029	2.9	3.7	<0.005	<0.1	1.2	11	<1	2.2	218	0.5	1.1	8.9	0.239
3569584	Drill Core	1.09	462	0.3	2.474	6.1	42.6	0.027	3.2	6.4	<0.005	<0.1	1.0	9	<1	1.5	229	0.5	1.3	9.0	0.213
3569585	Drill Core	1.29	375	0.4	3.518	7.1	152.3	0.035	5.0	2.6	<0.005	0.3	1.3	11	1	2.2	197	0.6	1.3	9.7	0.255
3569586	Drill Core	1.23	420	0.4	3.174	6.6	43.7	0.031	3.8	3.5	<0.005	<0.1	1.5	10	<1	2.0	213	0.5	0.6	9.4	0.234
3569587	Drill Core	1.37	409	0.4	3.331	6.8	46.3	0.033	3.2	5.2	<0.005	<0.1	1.3	11	<1	2.0	193	0.5	1.3	9.3	0.256
3569588	Drill Core	0.92	416	0.4	2.395	5.5	33.1	0.026	2.5	16.2	<0.005	<0.1	0.9	10	<1	1.4	176	0.4	3.0	7.3	0.201
3569589	Drill Core	1.36	413	0.5	2.613	5.7	45.8	0.035	2.6	19.1	<0.005	<0.1	0.6	11	1	1.5	205	0.4	2.0	6.7	0.223
3569590	Drill Core	0.93	501	0.4	1.805	4.9	26.5	0.024	2.3	16.6	<0.005	<0.1	0.5	8	<1	1.1	220	0.4	2.4	5.9	0.153
3569591	Drill Core	0.87	510	0.3	1.858	4.4	24.9	0.021	37.5	16.2	<0.005	<0.1	0.5	6	<1	0.9	207	0.3	2.5	5.6	0.144
3569592	Drill Core	1.30	466	0.3	2.518	6.0	38.3	0.028	5.1	17.4	<0.005	<0.1	0.7	11	<1	1.7	229	0.5	3.4	7.9	0.227
3569593	Drill Core	1.02	488	0.2	2.138	4.6	29.0	0.026	3.0	15.1	<0.005	<0.1	0.5	8	<1	1.1	211	0.4	1.8	6.0	0.175
3569594	Drill Core	0.79	520	0.7	1.434	3.8	24.0	0.019	4.0	12.9	<0.005	<0.1	0.4	6	<1	1.0	218	0.3	4.8	4.5	0.126
3569595	Drill Core	0.91	519	1.6	1.620	4.3	46.9	0.025	5.0	16.7	<0.005	0.3	0.6	7	<1	1.1	251	0.3	2.3	5.6	0.154
3569596	Drill Core	1.05	527	0.6	1.933	5.1	33.5	0.025	3.3	55.3	<0.005	<0.1	0.4	8	<1	1.0	210	0.4	2.0	6.0	0.166
3569597	Drill Core	0.81	555	0.7	1.714	4.2	23.3	0.021	2.6	41.1	<0.005	<0.1	0.3	6	<1	1.0	201	0.3	3.3	5.2	0.132
3569598	Rock Pulp	4.27	1512	0.6	2.282	3.6	93.6	0.041	3.0	3.5	<0.005	0.1	0.4	43	<1	0.7	118	0.2	0.6	0.4	0.668
3569599	Drill Core	0.96	579	0.2	1.478	4.7	26.4	0.020	2.5	33.8	<0.005	<0.1	0.5	7	<1	1.8	281	0.4	2.9	5.5	0.141
3569600	Rock	0.01	36	0.2	7.678	<0.1	0.6	<0.001	4.1	41.3	<0.005	<0.1	<0.1	<1	<1	<0.1	16	<0.1	<0.5	<0.1	<0.001

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Project: SPJ
Report Date: January 07, 2020

CERTIFICATE OF ANALYSIS TIM19002701.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3569581	Drill Core	<0.5	4.1	81	0.5	16.6	8	113.4
3569582	Drill Core	<0.5	4.5	92	0.9	17.8	11	116.4
3569583	Drill Core	<0.5	3.3	72	0.9	16.6	8	81.9
3569584	Drill Core	<0.5	3.4	58	0.7	13.5	8	82.3
3569585	Drill Core	<0.5	4.1	74	1.0	13.8	10	98.8
3569586	Drill Core	<0.5	3.5	71	1.2	14.9	10	82.4
3569587	Drill Core	<0.5	3.7	79	0.9	17.0	12	86.8
3569588	Drill Core	<0.5	2.9	60	0.8	13.2	7	73.8
3569589	Drill Core	<0.5	2.7	75	0.8	11.8	11	90.2
3569590	Drill Core	<0.5	2.4	47	0.8	10.6	8	67.4
3569591	Drill Core	<0.5	2.4	44	0.6	9.8	7	64.5
3569592	Drill Core	<0.5	3.2	76	0.9	13.7	13	88.0
3569593	Drill Core	<0.5	2.7	56	0.7	10.8	11	62.1
3569594	Drill Core	<0.5	2.2	41	0.5	9.0	10	50.9
3569595	Drill Core	<0.5	2.6	48	0.8	11.1	9	63.2
3569596	Drill Core	<0.5	2.6	53	0.9	10.5	15	70.1
3569597	Drill Core	<0.5	2.4	42	0.7	9.3	9	57.5
3569598	Rock Pulp	<0.5	0.1	327	1.2	22.1	82	50.7
3569599	Drill Core	<0.5	2.4	42	0.8	10.5	12	66.7
3569600	Rock	0.6	<0.1	<1	<0.1	0.7	2	14.3

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Project: SPJ
Report Date: January 07, 2020

QUALITY CONTROL REPORT TIM19002701.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
Pulp Duplicates																					
3483226	Drill Core	5.84	<0.005	<0.1	4.53	<1	131	2	<0.1	20.45	<0.1	44	11.5	52	12.0	2.65	2.2	0.07	0.40	24.5	10.0
REP 3483226	QC		<0.005																		
3483229	Drill Core	6.51	<0.005	<0.1	4.44	5	598	1	<0.1	20.79	<0.1	47	17.1	51	29.8	2.56	2.3	<0.05	1.10	25.6	8.2
REP 3483229	QC			<0.1	4.31	2	590	<1	<0.1	20.50	<0.1	47	15.2	49	30.2	2.55	2.4	<0.05	1.11	25.8	8.5
3483233	Drill Core	6.26	<0.005	<0.1	4.15	10	381	<1	<0.1	20.78	<0.1	40	11.7	43	19.8	2.30	2.0	0.06	0.96	19.2	18.2
REP 3483233	QC		<0.005																		
3569575	Rock	0.21	0.007	<0.1	8.47	1	16	<1	<0.1	0.19	<0.1	1	<0.2	2	0.5	0.22	0.2	<0.05	3.60	0.6	23.7
REP 3569575	QC			<0.1	8.62	<1	17	<1	<0.1	0.19	<0.1	1	<0.2	2	0.3	0.23	0.2	<0.05	3.65	0.5	26.0
3569591	Drill Core	6.35	<0.005	<0.1	3.56	2	248	<1	0.3	23.32	<0.1	31	9.5	43	10.8	1.61	1.8	<0.05	0.70	15.5	3.9
REP 3569591	QC		0.006																		
Core Reject Duplicates																					
3483217	Drill Core	6.02	0.047	<0.1	5.74	5	45	2	0.1	12.17	<0.1	43	13.9	60	10.3	3.09	2.8	0.09	0.16	20.0	4.7
DUP 3483217	QC		0.015	<0.1	5.77	6	42	2	0.1	12.20	<0.1	40	12.5	59	12.0	3.10	2.6	0.08	0.16	17.8	4.4
3483251	Drill Core	6.21	0.022	<0.1	3.15	1	761	<1	0.1	25.15	<0.1	36	8.7	33	21.1	1.97	1.4	0.05	0.91	17.7	24.7
DUP 3483251	QC		0.014	<0.1	3.13	9	696	1	0.2	25.41	<0.1	34	9.4	33	21.7	1.97	1.6	<0.05	0.89	16.6	22.7
3569597	Drill Core	5.02	0.006	<0.1	3.23	<1	179	<1	0.2	23.53	<0.1	29	8.4	35	11.4	1.51	1.7	<0.05	0.62	14.3	16.5
DUP 3569597	QC		0.006	<0.1	3.29	2	190	<1	0.1	23.47	<0.1	31	8.4	37	10.9	1.53	1.7	<0.05	0.62	14.9	15.8
Reference Materials																					
STD OREAS25A-4A	Standard			<0.1	8.47	10	136	<1	0.5	0.25	<0.1	38	7.8	115	32.8	6.40	4.1	0.11	0.45	16.1	37.1
STD OREAS25A-4A	Standard			<0.1	8.53	9	141	<1	0.4	0.26	<0.1	38	7.5	122	36.6	6.49	4.1	0.09	0.47	18.1	37.9
STD OREAS25A-4A	Standard			<0.1	8.59	10	135	1	0.6	0.27	<0.1	41	7.2	116	32.1	6.40	3.9	0.08	0.46	17.5	35.2
STD OREAS25A-4A	Standard			<0.1	8.84	9	144	<1	0.3	0.28	<0.1	47	7.2	113	33.3	6.42	4.2	0.09	0.49	23.0	35.5
STD OREAS45E	Standard			0.3	6.91	16	245	<1	0.4	0.05	<0.1	21	59.3	1057	784.6	23.67	3.1	0.10	0.34	8.9	7.4
STD OREAS45H	Standard			0.1	7.94	16	351	<1	0.2	0.13	<0.1	24	92.8	668	771.6	19.10	3.3	0.09	0.19	14.0	14.2
STD OREAS45E	Standard			0.3	6.92	16	254	<1	0.3	0.06	<0.1	19	59.3	1042	784.7	23.74	3.0	0.12	0.34	7.6	7.1
STD OREAS45E	Standard			0.3	7.05	17	265	<1	0.3	0.06	<0.1	25	58.2	936	781.8	24.26	2.9	0.11	0.33	12.2	6.7
STD OXC145	Standard		0.219																		
STD OXC145	Standard		0.210																		

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Project: SPJ
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QUALITY CONTROL REPORT TIM19002701.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
Pulp Duplicates																					
3483226	Drill Core	1.21	420	0.6	2.188	5.4	43.0	0.030	2.1	23.3	<0.005	<0.1	0.8	10	<1	1.2	266	0.4	2.2	6.4	0.201
REP 3483226	QC																				
3483229	Drill Core	1.20	461	0.5	1.917	5.8	44.3	0.029	2.9	37.0	<0.005	<0.1	0.7	10	<1	1.3	253	0.4	5.3	6.9	0.198
REP 3483229	QC	1.20	461	0.5	1.880	5.7	42.8	0.028	3.0	37.2	0.006	<0.1	0.8	10	<1	1.3	247	0.4	4.4	7.1	0.197
3483233	Drill Core	1.05	472	0.9	1.754	5.2	31.5	0.028	2.2	61.0	<0.005	<0.1	0.5	8	<1	1.2	232	0.4	1.8	6.4	0.171
REP 3483233	QC																				
3569575	Rock	0.03	42	0.2	7.693	<0.1	0.6	<0.001	5.2	54.0	<0.005	<0.1	0.1	<1	<1	<0.1	28	<0.1	<0.5	0.1	<0.001
REP 3569575	QC	0.03	42	0.2	7.770	<0.1	0.5	<0.001	5.3	56.3	<0.005	<0.1	0.1	<1	<1	<0.1	28	<0.1	<0.5	0.1	<0.001
3569591	Drill Core	0.87	510	0.3	1.858	4.4	24.9	0.021	37.5	16.2	<0.005	<0.1	0.5	6	<1	0.9	207	0.3	2.5	5.6	0.144
REP 3569591	QC																				
Core Reject Duplicates																					
3483217	Drill Core	1.35	328	0.3	4.100	7.7	47.8	0.036	1.7	10.3	<0.005	<0.1	0.6	11	2	1.8	109	0.6	2.3	8.5	0.235
DUP 3483217	QC	1.36	326	0.2	4.101	7.1	45.0	0.033	1.5	9.6	<0.005	<0.1	0.4	10	<1	1.5	105	0.5	1.4	8.4	0.225
3483251	Drill Core	0.89	742	0.6	1.332	4.5	27.3	0.021	3.1	48.3	<0.005	<0.1	0.4	6	1	1.3	238	0.4	5.2	5.9	0.147
DUP 3483251	QC	0.88	757	0.6	1.324	4.6	26.5	0.020	3.2	47.0	<0.005	<0.1	0.4	6	<1	1.2	250	0.4	5.6	5.6	0.145
3569597	Drill Core	0.81	555	0.7	1.714	4.2	23.3	0.021	2.6	41.1	<0.005	<0.1	0.3	6	<1	1.0	201	0.3	3.3	5.2	0.132
DUP 3569597	QC	0.82	559	0.8	1.719	4.4	24.5	0.021	2.7	41.3	<0.005	<0.1	0.3	6	<1	0.9	204	0.3	4.6	5.2	0.137
Reference Materials																					
STD OREAS25A-4A	Standard	0.30	486	2.4	0.136	19.9	43.8	0.046	22.8	49.2	<0.005	<0.1	0.6	11	3	3.7	42	1.4	<0.5	13.0	0.921
STD OREAS25A-4A	Standard	0.32	486	2.5	0.130	19.3	47.8	0.042	26.3	53.5	<0.005	<0.1	0.6	11	2	4.2	44	1.5	<0.5	15.0	0.949
STD OREAS25A-4A	Standard	0.29	487	2.1	0.130	19.3	42.7	0.046	22.4	50.0	<0.005	<0.1	0.6	12	2	3.7	43	1.3	<0.5	13.5	0.918
STD OREAS25A-4A	Standard	0.36	477	2.5	0.131	17.4	44.1	0.048	24.3	56.5	<0.005	<0.1	0.6	12	3	3.7	48	1.3	<0.5	16.3	0.839
STD OREAS45E	Standard	0.14	602	2.5	0.055	6.3	480.3	0.032	17.9	18.8	<0.005	<0.1	1.1	88	2	1.3	15	0.5	<0.5	12.0	0.527
STD OREAS45H	Standard	0.25	406	1.6	0.089	13.3	424.2	0.021	14.0	22.5	<0.005	<0.1	0.6	56	2	2.2	28	1.0	<0.5	8.2	0.864
STD OREAS45E	Standard	0.15	583	2.2	0.055	6.2	487.0	0.033	17.9	17.1	<0.005	<0.1	1.1	89	2	1.4	15	0.5	<0.5	11.4	0.519
STD OREAS45E	Standard	0.18	562	2.3	0.060	6.1	473.3	0.032	19.5	21.6	<0.005	<0.1	1.0	91	3	1.3	17	0.5	<0.5	14.0	0.540
STD OXC145	Standard																				
STD OXC145	Standard																				

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 07, 2020

QUALITY CONTROL REPORT TIM19002701.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
Pulp Duplicates								
3483226	Drill Core	<0.5	2.7	68	1.0	12.2	7	75.1
REP 3483226	QC							
3483229	Drill Core	<0.5	2.6	64	0.9	12.5	9	73.6
REP 3483229	QC	<0.5	2.6	64	1.0	12.6	8	74.6
3483233	Drill Core	<0.5	2.4	53	1.2	10.8	10	73.1
REP 3483233	QC							
3569575	Rock	0.7	0.2	<1	<0.1	1.5	2	14.3
REP 3569575	QC	0.7	0.2	<1	<0.1	1.4	2	12.2
3569591	Drill Core	<0.5	2.4	44	0.6	9.8	7	64.5
REP 3569591	QC							
Core Reject Duplicates								
3483217	Drill Core	<0.5	3.5	76	1.4	16.8	4	102.0
DUP 3483217	QC	<0.5	3.2	76	1.2	16.2	4	97.1
3483251	Drill Core	<0.5	2.3	43	0.8	11.2	18	56.0
DUP 3483251	QC	<0.5	2.3	42	1.1	11.3	17	53.7
3569597	Drill Core	<0.5	2.4	42	0.7	9.3	9	57.5
DUP 3569597	QC	<0.5	2.4	41	0.7	9.5	10	60.8
Reference Materials								
STD OREAS25A-4A	Standard	<0.5	2.6	158	1.7	8.9	45	146.4
STD OREAS25A-4A	Standard	<0.5	3.0	157	1.9	8.8	48	135.7
STD OREAS25A-4A	Standard	<0.5	2.5	159	1.9	9.6	44	144.5
STD OREAS25A-4A	Standard	<0.5	2.7	151	1.8	9.7	43	142.9
STD OREAS45E	Standard	<0.5	2.4	327	1.0	6.9	46	91.2
STD OREAS45H	Standard	<0.5	1.8	274	0.9	10.2	42	119.1
STD OREAS45E	Standard	<0.5	2.3	345	1.0	6.9	48	92.0
STD OREAS45E	Standard	<0.5	2.7	323	1.0	8.6	47	91.7
STD OXC145	Standard							
STD OXC145	Standard							

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 07, 2020

QUALITY CONTROL REPORT TIM19002701.1

		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
STD OXC145	Standard		0.202																		
STD OXH139	Standard		1.364																		
STD OXH139	Standard		1.344																		
STD OXH139	Standard		1.240																		
STD OXN134	Standard		7.737																		
STD OXN134	Standard		7.346																		
STD OXN134	Standard		7.748																		
STD OREAS45H Expected				0.147	7.99	16.9	332	1.09	0.17	0.135		23.6	88	602	767	19.52	3.6	0.1	0.205	12.4	13.1
STD OREAS25A-4A Expected					8.87	9.94	147	0.93	0.37	0.301		47.3	7.7	115	33.9	6.6	4.14	0.09	0.482	21.8	36.7
STD OREAS45E Expected				0.311	6.78	16.3	252		0.28	0.065	0.06	23.5	57	979	780	24.12	3.11	0.099	0.324	11	6.58
STD OXC145 Expected			0.212																		
STD OXN134 Expected			7.667																		
STD OXH139 Expected			1.312																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	0.01	<1	<1	<1	0.2	<0.01	<0.1	<1	<0.2	<1	0.2	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	0.2	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
Prep Wash																					
ROCK-TIM	Prep Blank		<0.005	<0.1	6.36	2	749	<1	0.1	1.39	<0.1	23	4.3	2	3.1	2.15	1.8	0.06	1.46	11.2	2.3
ROCK-TIM	Prep Blank		<0.005	<0.1	6.85	2	755	1	0.3	1.45	<0.1	24	4.7	3	3.5	2.21	1.7	<0.05	1.45	11.4	2.1

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 07, 2020

QUALITY CONTROL REPORT TIM19002701.1

		MA200 Mg % 0.01	MA200 Mn ppm 1	MA200 Mo ppm 0.1	MA200 Na % 0.001	MA200 Nb ppm 0.1	MA200 Ni ppm 0.1	MA200 P % 0.001	MA200 Pb ppm 0.1	MA200 Rb ppm 0.1	MA200 Re ppm 0.005	MA200 S % 0.1	MA200 Sb ppm 0.1	MA200 Sc ppm 1	MA200 Se ppm 1	MA200 Sn ppm 0.1	MA200 Sr ppm 1	MA200 Ta ppm 0.1	MA200 Te ppm 0.5	MA200 Th ppm 0.1	MA200 Ti % 0.001
STD OXC145	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OREAS45H Expected		0.238	380	1.55	0.09	14.8	423	0.023	11.9	22.5			0.63	57	2.02	1.93	27.1	1.08		7.26	0.878
STD OREAS25A-4A Expected		0.327	480	2.41	0.131	20.9	45.8	0.048	25.2	61		0.047	0.65	13.7	2.4	4.06	48.5	1.4		15.8	0.93
STD OREAS45E Expected		0.156	570	2.4	0.059	6.8	454	0.034	18.2	21.2		0.046	1	93	2.97	1.32	15.9	0.54	0.1	12.9	0.559
STD OXC145 Expected																					
STD OXN134 Expected																					
STD OXH139 Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<1	<0.1	0.003	<0.1	0.2	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.001	<0.1	0.1	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.005	<0.1	0.1	<0.001	<0.1	0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-TIM	Prep Blank	0.56	676	1.1	3.406	5.8	1.5	0.041	2.5	27.6	<0.005	<0.1	0.2	6	1	0.8	198	0.4	<0.5	2.7	0.196
ROCK-TIM	Prep Blank	0.57	694	1.5	3.389	5.6	1.4	0.042	2.3	26.5	<0.005	<0.1	0.3	7	2	0.8	198	0.4	<0.5	2.6	0.204

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 07, 2020

QUALITY CONTROL REPORT TIM19002701.1

		MA200 Tl ppm 0.5	MA200 U ppm 0.1	MA200 V ppm 1	MA200 W ppm 0.1	MA200 Y ppm 0.1	MA200 Zn ppm 1	MA200 Zr ppm 0.1
STD OXC145	Standard							
STD OXH139	Standard							
STD OXH139	Standard							
STD OXH139	Standard							
STD OXN134	Standard							
STD OXN134	Standard							
STD OXN134	Standard							
STD OREAS45H Expected			1.68	263	0.99	10.4	39.7	131
STD OREAS25A-4A Expected		0.35	2.94	157	2	10.5	44.4	155
STD OREAS45E Expected		0.15	2.41	322	1.07	8.28	46.7	97
STD OXC145 Expected								
STD OXN134 Expected								
STD OXH139 Expected								
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	0.2
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1
BLK	Blank							
BLK	Blank							
Prep Wash								
ROCK-TIM	Prep Blank	<0.5	1.1	36	0.4	16.0	35	52.0
ROCK-TIM	Prep Blank	<0.5	1.1	37	0.3	15.9	36	50.3

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By:	Quentin Yarie
Receiving Lab:	Canada-Timmins
Received:	November 28, 2019
Analysis Start:	December 20, 2019
Report Date:	January 08, 2020
Page:	1 of 4

CERTIFICATE OF ANALYSIS TIM19002702.1

CLIENT JOB INFORMATION

Project:	SPJ
Shipment ID:	
P.O. Number	
Number of Samples:	80

SAMPLE DISPOSAL

RTRN-PLP	Return After 90 days
RTRN-RJT	Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP85-500	76	Crush split and pulverize 250g of sample to 200mesh			TIM
SHP01	80	Per sample shipping charges for branch shipments			TIM
SLBHP	4	Sort, label and box pulps			TIM
FA450	80	50g Lead Collection Fire Assay Fusion - AAS Finish	50	Completed	TIM
EN002	80	Environmental disposal charge-Fire assay lead waste			TIM
MA200	80	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
EN001-MA	80	Environmental disposal fee - Multi-acid neutralization			VAN
FA530	1	Lead collection fire assay fusion - gravimetric finish	30	Completed	TIM

ADDITIONAL COMMENTS

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
Marcus Lau
MARCUS LAU
Production Manager

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All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 08, 2020

CERTIFICATE OF ANALYSIS TIM19002702.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3569601	Drill Core	6.15	0.014	<0.1	2.03	9	117	<1	0.1	28.74	<0.1	25	5.0	14	58.1	0.67	1.1	0.05	0.45	12.9	11.4
3569602	Drill Core	5.33	0.010	<0.1	3.08	8	133	<1	0.1	26.22	<0.1	26	7.1	27	47.6	1.23	1.6	<0.05	0.50	13.4	14.3
3569603	Drill Core	6.26	0.011	<0.1	3.61	9	227	<1	0.1	22.12	<0.1	28	10.2	40	15.7	2.03	2.1	<0.05	0.97	14.3	28.5
3569604	Drill Core	6.35	0.009	<0.1	3.22	7	185	<1	0.2	23.79	<0.1	32	9.0	37	12.3	1.88	1.6	<0.05	0.83	16.4	23.1
3569605	Drill Core	5.87	0.011	<0.1	2.62	7	161	<1	<0.1	26.30	<0.1	29	5.8	23	8.6	1.35	1.2	<0.05	0.65	15.5	18.9
3569606	Drill Core	5.92	0.052	0.1	3.22	26	198	<1	0.1	22.15	<0.1	35	10.3	31	19.3	1.80	1.6	<0.05	1.61	19.4	33.1
3569607	Drill Core	5.77	0.032	<0.1	2.87	10	105	<1	0.1	21.23	<0.1	59	7.1	29	9.1	1.37	1.6	<0.05	1.94	32.5	16.9
3569608	Drill Core	5.96	0.017	<0.1	3.04	13	153	<1	0.3	25.45	<0.1	31	9.8	40	15.2	1.51	1.4	<0.05	0.69	15.5	18.8
3569609	Drill Core	5.85	0.011	<0.1	2.40	22	139	<1	0.1	26.98	<0.1	28	6.4	27	15.6	1.19	1.3	<0.05	0.54	13.9	16.2
3569610	Drill Core	5.63	0.011	<0.1	2.70	25	194	<1	<0.1	25.65	<0.1	28	6.6	29	9.3	1.53	1.4	<0.05	0.72	13.4	21.9
3569611	Drill Core	5.81	0.008	<0.1	2.61	4	226	<1	0.1	26.09	<0.1	33	8.2	27	12.6	1.21	1.4	<0.05	0.67	16.4	24.8
3569612	Drill Core	6.98	0.008	0.1	2.45	5	234	<1	<0.1	27.38	<0.1	26	7.4	29	16.2	1.27	1.2	<0.05	0.67	13.0	25.6
3569613	Drill Core	6.18	0.006	0.3	2.36	4	248	<1	<0.1	27.92	<0.1	25	6.9	25	15.6	1.14	1.2	<0.05	0.63	12.3	19.9
3569614	Drill Core	5.36	0.006	0.1	2.84	12	254	1	0.1	21.32	<0.1	71	8.4	29	17.2	2.01	1.4	<0.05	1.80	40.7	45.1
3569615	Drill Core	5.01	0.008	0.2	2.39	17	174	<1	0.1	14.48	<0.1	61	7.1	18	5.1	2.48	1.3	<0.05	1.92	31.0	30.2
3569616	Drill Core	6.95	0.010	0.1	3.02	10	222	1	0.2	15.05	<0.1	54	8.9	26	12.2	2.37	1.5	<0.05	1.95	26.8	30.2
3569617	Drill Core	6.06	0.008	<0.1	3.44	23	223	<1	0.2	22.94	<0.1	35	7.5	37	15.4	1.85	1.8	<0.05	1.10	17.6	29.6
3569618	Drill Core	5.91	0.009	<0.1	3.03	22	310	<1	0.2	25.67	<0.1	33	7.5	34	18.4	1.39	1.6	<0.05	1.15	16.9	21.2
3569619	Drill Core	6.38	0.013	<0.1	2.76	10	256	1	0.2	25.81	<0.1	32	8.5	34	16.9	1.40	1.5	<0.05	0.80	15.8	21.2
3569620	Rock Pulp	0.07	1.584	0.2	7.18	654	342	<1	<0.1	5.83	0.1	37	43.6	190	79.5	8.46	3.2	0.08	0.65	19.4	9.9
3569621	Drill Core	6.16	0.018	<0.1	2.17	12	287	<1	0.3	27.57	<0.1	47	7.7	16	16.3	0.89	2.1	<0.05	0.61	27.6	12.2
3569622	Drill Core	6.00	0.007	<0.1	2.80	11	225	1	0.3	24.82	0.1	35	6.0	30	11.5	1.65	1.5	<0.05	0.82	18.4	23.1
3569623	Drill Core	4.90	0.008	<0.1	2.95	12	336	<1	0.2	24.04	1.3	36	6.3	27	12.4	1.65	1.6	0.09	1.16	21.2	34.0
3569624	Drill Core	4.96	0.013	<0.1	2.71	12	338	<1	0.2	24.60	1.2	25	5.5	21	9.5	1.41	1.7	<0.05	1.09	14.4	26.0
3569625	Rock	0.22	<0.005	<0.1	10.75	2	21	<1	<0.1	0.26	<0.1	2	<0.2	1	0.7	0.22	0.2	<0.05	4.17	1.1	26.2
3569626	Drill Core	6.18	0.006	<0.1	2.44	13	183	<1	0.2	22.76	<0.1	42	6.7	23	8.2	1.48	1.4	<0.05	1.38	23.5	22.7
3569627	Drill Core	5.47	0.008	0.2	2.30	28	159	<1	0.2	16.65	<0.1	32	10.0	17	10.6	1.60	1.2	<0.05	1.85	18.0	17.7
3569628	Drill Core	6.25	0.011	0.2	2.62	42	208	<1	0.2	13.36	<0.1	38	10.1	21	16.6	1.63	1.4	0.06	2.82	23.8	30.9
3569629	Drill Core	5.21	<0.005	0.2	2.37	21	315	<1	0.2	15.30	<0.1	29	8.7	17	4.3	2.06	1.2	<0.05	1.83	16.7	37.9
3569630	Drill Core	5.84	0.012	<0.1	2.95	17	230	1	0.2	22.34	<0.1	28	7.7	26	13.4	1.79	1.4	<0.05	1.37	15.4	29.3

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 08, 2020

CERTIFICATE OF ANALYSIS TIM19002702.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3569601	Drill Core	0.33	763	0.4	1.105	3.0	8.2	0.013	2.1	24.4	<0.005	<0.1	0.2	4	<1	0.5	218	0.2	1.6	3.3	0.081
3569602	Drill Core	0.56	748	0.6	1.579	4.3	21.7	0.020	2.5	30.5	<0.005	<0.1	0.2	6	<1	0.7	284	0.3	1.7	4.8	0.126
3569603	Drill Core	1.01	630	0.8	1.530	4.8	28.1	0.023	2.2	57.1	<0.005	<0.1	0.3	7	<1	1.2	275	0.4	2.1	5.5	0.144
3569604	Drill Core	0.83	660	0.6	1.242	4.4	24.8	0.021	3.3	48.6	<0.005	<0.1	0.3	6	<1	0.9	356	0.4	4.1	5.3	0.136
3569605	Drill Core	0.59	754	0.5	1.062	3.6	16.4	0.016	3.1	34.9	<0.005	<0.1	0.2	5	<1	0.8	304	0.3	3.9	4.2	0.107
3569606	Drill Core	1.82	795	0.7	1.003	4.3	25.1	0.021	2.4	46.4	<0.005	<0.1	0.4	6	<1	0.9	195	0.3	2.6	5.2	0.132
3569607	Drill Core	2.98	1068	0.6	0.769	3.9	15.7	0.019	1.6	29.4	<0.005	<0.1	0.3	5	1	0.7	130	0.3	5.6	4.7	0.109
3569608	Drill Core	0.73	666	0.7	1.273	4.5	23.9	0.021	2.4	32.9	<0.005	<0.1	0.4	6	<1	1.0	203	0.3	3.6	5.1	0.140
3569609	Drill Core	0.56	699	0.5	1.123	3.6	16.0	0.018	3.2	29.1	<0.005	<0.1	0.2	5	<1	0.6	199	0.3	5.5	4.1	0.102
3569610	Drill Core	0.81	658	0.4	0.994	3.8	17.1	0.018	2.5	35.4	<0.005	<0.1	0.3	5	<1	0.8	180	0.3	3.8	4.6	0.105
3569611	Drill Core	0.65	670	0.6	1.149	3.9	15.8	0.017	2.6	32.0	<0.005	<0.1	0.3	5	<1	0.7	179	0.3	2.9	4.5	0.107
3569612	Drill Core	0.68	719	0.7	1.022	3.5	16.5	0.016	3.6	32.0	<0.005	<0.1	0.2	4	<1	0.6	175	0.3	3.1	4.0	0.097
3569613	Drill Core	0.59	782	0.7	0.930	3.4	14.7	0.016	7.4	28.9	<0.005	<0.1	0.2	5	<1	0.7	187	0.3	3.8	3.8	0.095
3569614	Drill Core	3.47	1372	0.7	0.389	3.6	19.3	0.018	5.6	45.3	<0.005	<0.1	0.4	5	<1	0.9	128	0.3	4.8	4.6	0.105
3569615	Drill Core	8.16	1624	0.8	0.030	3.2	15.6	0.016	1.8	38.5	<0.005	<0.1	0.2	4	<1	0.7	49	0.3	4.6	4.3	0.090
3569616	Drill Core	6.97	1346	0.5	0.221	4.3	17.8	0.020	3.0	38.3	<0.005	0.1	0.4	6	<1	0.8	69	0.3	3.8	5.1	0.119
3569617	Drill Core	1.05	759	0.5	1.229	5.1	18.6	0.022	7.2	37.0	<0.005	0.1	0.3	6	<1	0.9	168	0.4	3.3	6.0	0.139
3569618	Drill Core	0.78	1020	0.5	1.069	4.4	16.0	0.020	4.6	42.3	<0.005	0.1	0.3	6	<1	0.9	179	0.3	3.9	5.3	0.126
3569619	Drill Core	0.72	1014	0.6	1.080	3.9	18.9	0.017	3.2	41.0	<0.005	0.1	0.2	5	<1	0.7	175	0.3	4.5	4.8	0.113
3569620	Rock Pulp	3.89	2006	2.5	2.063	18.6	135.3	0.169	4.7	20.2	<0.005	0.8	2.3	18	1	1.8	356	1.1	<0.5	3.0	0.932
3569621	Drill Core	0.42	1212	0.7	0.875	3.4	16.0	0.015	3.5	29.7	<0.005	0.1	0.2	5	2	0.7	184	0.3	1.8	4.4	0.098
3569622	Drill Core	0.86	793	0.7	0.926	4.3	20.1	0.019	8.3	40.6	<0.005	<0.1	0.3	6	<1	1.0	170	0.3	2.3	5.3	0.129
3569623	Drill Core	1.02	725	0.5	0.680	4.3	19.0	0.019	224.6	56.0	<0.005	<0.1	0.3	6	<1	0.9	149	0.4	3.5	5.9	0.131
3569624	Drill Core	0.87	761	0.5	0.771	4.3	16.9	0.019	14.7	51.8	<0.005	0.1	0.3	6	<1	1.3	152	0.3	3.4	5.6	0.123
3569625	Rock	0.03	44	0.2	8.651	0.2	0.4	<0.001	5.8	60.3	<0.005	<0.1	0.2	<1	<1	0.1	35	<0.1	<0.5	0.3	<0.001
3569626	Drill Core	2.45	1091	0.5	0.558	3.8	18.1	0.017	11.0	37.1	<0.005	<0.1	0.3	5	1	0.9	137	0.3	2.9	4.9	0.118
3569627	Drill Core	7.29	1632	0.4	0.143	3.2	19.0	0.015	4.8	30.2	<0.005	0.1	0.4	5	<1	0.5	63	0.2	2.8	4.0	0.099
3569628	Drill Core	8.49	1506	0.7	0.028	3.8	20.5	0.018	4.4	44.1	<0.005	0.1	0.6	6	<1	0.8	60	0.3	7.4	4.9	0.119
3569629	Drill Core	8.02	1554	0.7	0.028	3.3	18.2	0.015	1.9	56.8	<0.005	<0.1	0.3	5	<1	0.9	56	0.3	4.3	4.5	0.102
3569630	Drill Core	2.23	1233	0.5	0.701	4.4	22.1	0.020	5.1	52.3	<0.005	0.1	0.4	6	<1	1.0	159	0.3	1.8	5.5	0.137

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Project: SPJ
Report Date: January 08, 2020

CERTIFICATE OF ANALYSIS TIM19002702.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA530
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3569601	Drill Core	<0.5	1.5	23	0.4	6.6	11	39.1	
3569602	Drill Core	<0.5	2.0	37	0.6	8.6	9	57.4	
3569603	Drill Core	<0.5	2.1	45	0.9	9.5	17	61.7	
3569604	Drill Core	<0.5	2.1	40	1.3	9.4	15	59.9	
3569605	Drill Core	<0.5	1.7	30	1.0	8.3	11	44.7	
3569606	Drill Core	<0.5	2.0	42	0.9	12.4	14	54.3	
3569607	Drill Core	<0.5	2.1	34	1.1	22.1	5	54.6	
3569608	Drill Core	<0.5	2.1	38	0.8	9.0	13	51.2	
3569609	Drill Core	<0.5	1.7	30	0.8	8.5	12	41.1	
3569610	Drill Core	<0.5	1.7	32	0.8	9.0	12	44.7	
3569611	Drill Core	<0.5	1.7	32	0.5	10.6	11	47.3	
3569612	Drill Core	<0.5	1.6	30	0.6	7.9	15	42.6	
3569613	Drill Core	<0.5	1.5	28	0.6	7.6	31	40.2	
3569614	Drill Core	<0.5	2.0	34	0.9	24.9	18	43.5	
3569615	Drill Core	<0.5	1.7	29	0.9	31.9	15	39.0	
3569616	Drill Core	<0.5	1.8	36	1.2	30.5	16	55.9	
3569617	Drill Core	<0.5	2.2	40	1.5	11.2	30	61.6	
3569618	Drill Core	<0.5	2.0	37	1.2	10.7	16	57.0	
3569619	Drill Core	<0.5	1.8	33	0.9	9.9	17	48.5	
3569620	Rock Pulp	<0.5	0.9	161	1.3	21.3	114	120.1	
3569621	Drill Core	<0.5	1.9	27	0.8	12.9	10	41.1	
3569622	Drill Core	<0.5	2.1	37	1.0	11.3	34	54.3	
3569623	Drill Core	<0.5	2.0	37	1.1	13.2	335	55.4	
3569624	Drill Core	<0.5	2.1	34	1.1	9.2	285	59.8	
3569625	Rock	0.7	0.2	<1	<0.1	2.3	3	13.7	
3569626	Drill Core	<0.5	2.0	32	0.8	18.7	26	49.9	
3569627	Drill Core	<0.5	1.8	31	0.7	14.3	12	43.8	
3569628	Drill Core	<0.5	2.0	33	1.0	14.0	9	48.8	
3569629	Drill Core	<0.5	1.8	30	1.0	13.8	15	40.5	
3569630	Drill Core	<0.5	2.1	39	1.1	9.8	15	60.9	

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Project: SPJ
Report Date: January 08, 2020

CERTIFICATE OF ANALYSIS TIM19002702.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3569631	Drill Core	6.06	0.112	0.1	2.68	60	208	<1	0.2	19.73	<0.1	40	8.2	22	19.4	1.70	1.5	<0.05	2.09	23.6	30.6
3569632	Drill Core	4.94	0.012	<0.1	2.37	22	236	<1	0.1	26.58	<0.1	38	6.4	19	12.1	1.16	1.2	<0.05	1.07	20.8	17.3
3569633	Drill Core	6.15	0.011	<0.1	3.12	6	233	1	0.2	24.71	<0.1	35	6.4	26	11.8	1.90	1.6	<0.05	1.06	19.7	25.4
3569634	Drill Core	6.15	0.010	<0.1	2.76	34	262	<1	0.1	25.21	<0.1	31	6.0	26	10.9	1.49	1.4	<0.05	0.92	16.7	19.8
3569635	Drill Core	6.24	<0.005	<0.1	2.11	5	138	<1	0.1	28.32	<0.1	22	7.1	22	9.6	1.21	1.1	<0.05	0.55	12.8	13.6
3569636	Drill Core	6.63	<0.005	<0.1	2.31	11	262	<1	0.1	26.92	0.1	24	6.2	18	13.7	1.45	1.8	<0.05	1.04	12.6	22.3
3569637	Drill Core	6.03	<0.005	<0.1	2.11	7	115	<1	0.1	28.29	0.1	29	7.6	17	17.3	1.08	1.2	<0.05	0.47	16.5	10.7
3569638	Drill Core	6.18	0.103	<0.1	2.08	10	159	<1	0.1	29.05	0.1	23	6.3	16	17.3	0.99	1.3	<0.05	0.52	12.1	10.5
3569639	Drill Core	6.51	0.008	<0.1	3.26	23	194	<1	0.1	23.27	0.2	39	9.6	27	24.8	1.44	2.4	<0.05	0.90	21.3	17.6
3569640	Rock Pulp	0.07	5.496	1.0	6.38	26	243	<1	0.3	5.40	0.2	13	43.3	295	162.8	7.12	1.6	0.05	0.44	6.0	18.8
3569641	Drill Core	4.57	<0.005	0.3	5.65	27	388	1	0.3	7.98	<0.1	190	16.7	54	48.4	2.36	4.0	<0.05	4.92	108.0	59.1
3569642	Drill Core	6.13	<0.005	<0.1	7.57	27	1186	2	0.2	0.77	0.1	38	24.9	133	51.6	3.61	4.1	<0.05	3.30	19.3	40.6
3569643	Drill Core	5.45	<0.005	<0.1	7.36	17	752	<1	<0.1	1.29	<0.1	48	20.0	118	30.6	4.17	2.6	<0.05	2.57	25.3	38.3
3569644	Drill Core	5.69	<0.005	<0.1	7.09	14	678	1	<0.1	1.55	<0.1	41	18.6	125	54.0	4.13	2.9	<0.05	2.34	20.9	32.5
3482835	Drill Core	4.27	0.009	<0.1	7.17	18	321	2	<0.1	1.40	<0.1	49	15.1	48	13.0	1.47	2.3	<0.05	0.76	24.8	8.6
3482836	Drill Core	3.82	<0.005	<0.1	6.84	15	314	2	0.1	0.88	<0.1	37	16.8	57	13.9	1.31	2.5	<0.05	0.87	19.6	7.6
3482837	Drill Core	3.66	<0.005	<0.1	6.68	5	310	2	<0.1	0.81	<0.1	35	9.9	51	10.4	1.14	2.3	<0.05	0.67	18.0	8.0
3482838	Drill Core	5.40	<0.005	<0.1	6.57	2	656	1	<0.1	0.47	<0.1	20	6.4	53	4.6	1.18	2.5	<0.05	0.83	9.6	8.7
3482839	Drill Core	5.70	<0.005	<0.1	6.43	2	479	1	<0.1	0.90	<0.1	61	4.7	37	5.2	1.12	1.7	<0.05	0.64	29.5	7.0
3482840	Rock Pulp	0.07	1.553	0.2	7.16	786	336	1	<0.1	5.70	<0.1	36	43.5	190	89.7	8.31	2.9	0.07	0.62	20.8	8.5
3482841	Drill Core	4.75	<0.005	<0.1	6.66	1	505	1	<0.1	0.66	<0.1	23	6.8	51	3.1	1.12	2.3	<0.05	0.65	11.5	8.9
3482842	Drill Core	4.99	<0.005	<0.1	7.08	2	281	2	<0.1	0.41	<0.1	27	6.2	46	2.8	1.06	2.3	<0.05	0.51	13.9	8.8
3482843	Drill Core	5.78	<0.005	<0.1	6.74	4	228	1	<0.1	0.52	<0.1	27	5.5	32	6.4	0.97	1.9	<0.05	0.47	13.6	7.2
3482844	Drill Core	5.28	<0.005	<0.1	6.68	10	225	2	<0.1	0.65	<0.1	42	9.4	42	9.9	1.17	2.7	<0.05	0.64	22.8	7.8
3482845	Drill Core	3.91	<0.005	<0.1	6.70	21	210	2	<0.1	0.97	<0.1	48	10.9	42	14.5	1.06	2.7	<0.05	0.67	24.9	8.1
3482846	Drill Core	4.02	<0.005	<0.1	6.65	16	226	2	<0.1	0.71	<0.1	48	6.3	44	13.0	1.05	2.5	<0.05	0.70	29.6	8.6
3482847	Drill Core	4.19	<0.005	<0.1	6.27	14	185	2	0.1	0.58	0.1	29	8.0	53	4.4	1.03	2.7	<0.05	0.67	13.7	8.3
3482848	Drill Core	4.61	0.005	<0.1	6.25	12	181	2	<0.1	0.61	<0.1	32	6.7	43	7.3	1.05	2.6	<0.05	0.56	14.0	8.1
3482849	Drill Core	4.77	0.012	<0.1	6.22	8	208	2	<0.1	0.71	<0.1	33	8.1	48	7.5	1.00	3.0	<0.05	0.56	14.9	7.5
3482850	Rock	0.22	<0.005	<0.1	8.83	3	15	<1	<0.1	0.16	<0.1	1	<0.2	2	0.5	0.21	0.2	<0.05	3.99	0.5	21.3

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BUREAU VERITAS MINERAL LABORATORIES Canada

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Client: **MacDonald Mines Exploration Ltd.**
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Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 08, 2020

CERTIFICATE OF ANALYSIS TIM19002702.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3569631	Drill Core	3.75	1610	1.0	0.362	4.0	18.5	0.017	5.0	41.1	<0.005	0.1	0.5	5	<1	0.8	114	0.3	3.1	5.1	0.120
3569632	Drill Core	1.04	1165	0.6	0.662	4.0	15.4	0.015	8.6	35.6	<0.005	0.1	0.3	5	1	0.8	183	0.3	4.9	4.8	0.108
3569633	Drill Core	1.13	847	0.5	0.916	4.9	20.4	0.021	5.4	54.8	<0.005	<0.1	0.3	6	<1	0.9	187	0.4	3.8	6.4	0.145
3569634	Drill Core	0.90	894	0.5	0.882	4.1	16.0	0.019	4.6	46.5	<0.005	<0.1	0.3	6	<1	1.5	165	0.3	4.3	5.4	0.125
3569635	Drill Core	0.67	1028	0.4	0.769	3.0	17.8	0.014	4.8	33.7	<0.005	<0.1	0.2	4	<1	2.6	174	0.2	2.1	3.9	0.101
3569636	Drill Core	1.18	1503	0.6	0.391	3.4	19.9	0.015	7.0	47.3	<0.005	<0.1	0.2	5	<1	0.9	141	0.3	3.2	4.5	0.107
3569637	Drill Core	0.59	1329	0.5	0.929	3.4	23.7	0.012	5.4	25.6	<0.005	0.1	0.2	4	1	0.6	158	0.3	3.9	4.3	0.096
3569638	Drill Core	0.55	1175	0.6	0.770	3.0	19.3	0.012	6.0	23.2	<0.005	0.1	0.2	4	1	0.6	186	0.2	4.4	4.2	0.091
3569639	Drill Core	1.04	1256	0.7	1.533	5.3	32.3	0.018	30.3	32.0	<0.005	0.2	0.4	7	1	1.1	197	0.4	2.2	6.9	0.148
3569640	Rock Pulp	4.08	1198	3.3	2.017	3.4	125.1	0.046	18.8	15.0	<0.005	0.4	0.5	34	<1	0.7	113	0.3	0.9	1.2	0.569
3569641	Drill Core	2.68	844	1.4	0.766	8.6	48.2	0.038	79.0	61.3	<0.005	0.4	1.3	10	1	1.4	75	0.7	1.9	12.3	0.238
3569642	Drill Core	2.17	252	2.4	2.935	10.2	94.6	0.050	22.5	130.8	0.008	0.3	0.8	18	<1	1.0	120	0.8	<0.5	12.4	0.398
3569643	Drill Core	2.21	320	1.6	2.564	6.2	67.2	0.058	7.7	86.3	<0.005	0.2	0.6	16	1	1.4	150	0.5	0.6	7.1	0.352
3569644	Drill Core	2.10	295	1.2	2.542	5.8	74.2	0.068	8.5	86.6	<0.005	0.3	0.7	17	<1	1.0	152	0.5	<0.5	7.3	0.388
3482835	Drill Core	2.03	90	0.7	5.391	3.0	39.1	0.042	1.2	47.3	<0.005	0.2	0.2	9	<1	0.7	103	0.3	<0.5	7.2	0.149
3482836	Drill Core	1.71	47	0.5	5.210	2.8	39.0	0.047	1.3	54.0	<0.005	0.2	0.3	9	<1	0.6	101	0.3	<0.5	6.3	0.149
3482837	Drill Core	1.56	42	0.3	5.203	2.2	28.8	0.042	0.9	36.2	<0.005	0.1	0.2	8	1	0.4	96	0.2	<0.5	5.4	0.130
3482838	Drill Core	1.48	37	0.4	4.975	2.2	26.3	0.049	1.2	42.7	<0.005	<0.1	0.2	8	<1	0.5	145	0.2	<0.5	5.4	0.124
3482839	Drill Core	1.37	44	0.2	4.800	1.6	19.2	0.039	1.2	28.0	<0.005	<0.1	0.1	6	<1	0.7	167	0.2	<0.5	4.2	0.095
3482840	Rock Pulp	3.93	1870	2.7	2.162	19.1	130.6	0.147	4.8	20.9	<0.005	0.8	2.3	18	1	1.6	357	1.1	1.2	3.1	0.916
3482841	Drill Core	1.55	37	0.4	5.021	1.6	24.8	0.063	1.1	29.3	<0.005	<0.1	0.2	9	<1	0.4	148	0.1	<0.5	5.5	0.093
3482842	Drill Core	1.53	35	0.5	5.602	1.2	25.3	0.047	1.0	23.9	<0.005	<0.1	0.2	8	<1	0.3	114	0.1	<0.5	5.7	0.076
3482843	Drill Core	1.27	37	0.3	5.419	1.0	18.9	0.040	1.6	22.0	<0.005	<0.1	0.2	8	<1	0.6	115	<0.1	<0.5	4.3	0.062
3482844	Drill Core	1.60	51	0.4	5.136	1.7	25.6	0.048	1.1	35.9	<0.005	0.1	0.2	7	<1	0.4	96	0.2	<0.5	5.4	0.100
3482845	Drill Core	1.59	72	0.4	5.124	1.8	33.5	0.045	1.6	40.9	<0.005	0.1	0.2	7	<1	0.5	112	0.2	<0.5	6.6	0.093
3482846	Drill Core	1.54	75	0.7	5.222	1.7	37.0	0.047	1.2	38.9	<0.005	<0.1	0.2	8	<1	0.4	92	0.2	<0.5	6.2	0.093
3482847	Drill Core	1.34	60	0.7	5.132	2.0	27.5	0.052	1.1	29.0	<0.005	<0.1	0.3	8	<1	0.4	91	0.2	<0.5	5.5	0.099
3482848	Drill Core	1.30	62	0.5	5.282	1.9	23.4	0.047	1.0	19.9	<0.005	<0.1	0.2	7	<1	0.4	104	0.2	<0.5	5.7	0.090
3482849	Drill Core	1.30	57	0.4	4.978	1.8	24.1	0.061	1.2	24.3	<0.005	<0.1	0.2	8	<1	0.4	118	0.2	<0.5	6.2	0.087
3482850	Rock	0.02	37	0.2	7.613	<0.1	0.5	<0.001	4.9	52.6	<0.005	<0.1	0.1	<1	<1	<0.1	26	<0.1	<0.5	0.1	<0.001

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 08, 2020

CERTIFICATE OF ANALYSIS TIM19002702.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA530
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3569631	Drill Core	<0.5	2.1	33	1.4	12.8	13	49.7	
3569632	Drill Core	<0.5	2.0	29	0.7	12.0	15	42.3	
3569633	Drill Core	<0.5	2.3	40	1.0	10.9	19	55.4	
3569634	Drill Core	<0.5	2.1	35	0.9	9.3	15	55.2	
3569635	Drill Core	<0.5	1.7	28	0.6	7.1	12	36.5	
3569636	Drill Core	<0.5	1.9	31	0.8	8.4	21	43.7	
3569637	Drill Core	<0.5	1.7	27	0.5	8.4	10	40.5	
3569638	Drill Core	<0.5	1.8	26	0.7	6.6	12	41.2	
3569639	Drill Core	<0.5	2.6	41	0.9	13.2	29	77.1	
3569640	Rock Pulp	<0.5	0.3	262	5.5	19.9	88	49.1	
3569641	Drill Core	<0.5	4.6	64	0.9	42.3	32	141.7	
3569642	Drill Core	0.9	4.5	114	1.2	18.9	49	145.3	
3569643	Drill Core	<0.5	2.6	116	1.0	13.5	35	92.7	
3569644	Drill Core	<0.5	2.3	115	0.9	16.0	44	91.3	
3482835	Drill Core	<0.5	2.0	59	0.6	13.4	4	83.7	
3482836	Drill Core	<0.5	2.0	54	0.4	12.4	3	88.3	
3482837	Drill Core	<0.5	1.5	49	0.3	9.7	3	80.4	
3482838	Drill Core	<0.5	1.9	45	0.2	7.5	3	89.9	
3482839	Drill Core	<0.5	1.0	35	<0.1	6.6	3	58.8	
3482840	Rock Pulp	<0.5	1.0	163	1.2	22.0	113	111.4	
3482841	Drill Core	<0.5	1.4	48	0.2	6.4	3	80.9	
3482842	Drill Core	<0.5	1.5	46	0.2	6.4	3	80.0	
3482843	Drill Core	<0.5	1.4	38	0.4	5.3	3	59.5	
3482844	Drill Core	<0.5	1.5	45	0.3	7.1	3	95.5	
3482845	Drill Core	<0.5	2.0	43	0.3	9.0	3	94.6	
3482846	Drill Core	<0.5	1.4	49	0.5	7.7	3	90.5	
3482847	Drill Core	<0.5	1.7	56	0.7	6.7	3	106.2	
3482848	Drill Core	<0.5	1.7	45	0.5	7.4	3	102.2	
3482849	Drill Core	<0.5	1.7	43	0.5	7.8	3	101.4	
3482850	Rock	0.6	<0.1	<1	<0.1	1.4	2	12.5	

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 08, 2020

CERTIFICATE OF ANALYSIS TIM19002702.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3482851	Drill Core	4.39	0.010	<0.1	6.19	14	171	2	<0.1	0.65	<0.1	26	8.6	41	10.8	1.08	2.5	<0.05	0.52	11.5	7.3
3482852	Drill Core	4.45	0.009	<0.1	5.75	17	118	<1	<0.1	0.70	<0.1	41	6.7	35	28.8	0.77	2.1	<0.05	0.42	18.4	4.4
3482853	Drill Core	4.59	0.007	<0.1	5.87	22	98	1	0.1	0.83	<0.1	35	7.8	37	20.8	0.77	2.4	<0.05	0.35	16.1	5.9
3482854	Drill Core	5.17	0.012	<0.1	6.21	21	149	2	0.1	0.81	0.1	35	12.6	55	74.8	1.10	3.1	<0.05	0.43	16.0	7.4
3482855	Drill Core	4.09	<0.005	<0.1	6.21	17	141	2	<0.1	0.84	<0.1	54	9.0	43	14.2	0.96	2.6	<0.05	0.43	24.1	5.8
3482856	Drill Core	4.45	<0.005	<0.1	6.24	11	156	2	<0.1	0.67	<0.1	22	6.5	45	8.2	0.99	2.7	<0.05	0.56	9.3	8.5
3482857	Drill Core	3.72	0.046	<0.1	6.39	177	140	2	0.5	1.92	<0.1	71	69.8	39	86.5	2.48	2.3	<0.05	0.46	34.5	4.9
3482858	Drill Core	3.79	<0.005	<0.1	6.34	17	110	3	<0.1	1.18	<0.1	19	4.0	24	12.3	0.71	1.5	<0.05	0.35	9.6	3.2
3482859	Drill Core	4.28	0.018	<0.1	6.40	36	135	1	<0.1	1.07	<0.1	42	6.9	28	51.7	0.88	1.7	<0.05	0.39	21.9	4.3
3482860	Rock Pulp	0.07	>10	2.0	5.14	60	221	<1	0.6	3.69	0.2	12	33.3	482	113.2	4.36	1.3	<0.05	0.73	5.8	28.2
3482861	Drill Core	3.72	<0.005	<0.1	6.18	23	119	2	<0.1	0.92	<0.1	27	3.8	26	19.2	0.73	1.7	<0.05	0.34	12.7	4.5
3482862	Drill Core	3.78	<0.005	<0.1	6.13	42	123	2	<0.1	0.68	<0.1	28	6.1	40	13.5	0.85	2.0	<0.05	0.36	13.3	4.6
3482863	Drill Core	2.94	0.114	<0.1	6.52	4	74	2	<0.1	1.79	<0.1	48	28.0	45	284.2	4.03	2.2	<0.05	0.27	22.4	7.0
3482864	Drill Core	3.11	0.084	<0.1	6.39	8	70	3	<0.1	1.60	<0.1	89	9.3	38	97.5	2.19	1.9	<0.05	0.27	42.7	5.5
3482865	Drill Core	3.66	0.297	0.1	6.40	20	94	3	0.3	0.92	<0.1	43	170.9	37	285.4	5.44	1.7	<0.05	0.36	20.8	11.9
3482866	Drill Core	3.43	0.044	0.2	6.05	18	66	2	<0.1	1.11	<0.1	38	6.9	37	3.9	0.56	2.2	<0.05	0.18	17.7	1.6
3482867	Drill Core	3.85	0.020	<0.1	6.26	15	94	2	<0.1	1.28	<0.1	41	6.6	30	6.3	0.84	1.8	<0.05	0.30	19.7	3.6
3482868	Drill Core	4.05	0.008	<0.1	6.83	11	65	1	<0.1	2.14	<0.1	59	4.5	25	4.0	0.76	1.7	<0.05	0.23	28.6	2.5
3482869	Drill Core	4.14	0.007	<0.1	6.32	25	82	2	<0.1	1.21	<0.1	29	5.0	40	7.4	0.62	2.4	<0.05	0.26	13.9	2.5
3482870	Drill Core	4.17	0.007	<0.1	6.40	71	94	2	<0.1	1.54	<0.1	54	8.1	23	32.5	0.69	1.5	<0.05	0.27	27.9	2.4

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Project: SPJ
Report Date: January 08, 2020

CERTIFICATE OF ANALYSIS TIM19002702.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3482851	Drill Core	1.46	66	0.4	5.024	1.9	27.7	0.039	1.1	14.8	<0.005	<0.1	0.1	7	<1	0.3	95	0.2	<0.5	4.6	0.091
3482852	Drill Core	1.02	73	0.3	4.607	1.5	19.9	0.033	1.4	16.7	<0.005	<0.1	0.2	4	<1	0.2	92	0.2	<0.5	5.1	0.064
3482853	Drill Core	1.22	84	0.2	4.730	1.7	22.1	0.037	1.3	12.7	<0.005	<0.1	0.1	5	<1	0.2	96	0.2	<0.5	5.1	0.067
3482854	Drill Core	1.20	73	0.4	4.784	1.8	32.9	0.039	19.9	16.3	<0.005	0.2	0.4	7	<1	0.3	120	0.2	<0.5	6.6	0.075
3482855	Drill Core	1.31	99	0.4	4.773	1.6	23.8	0.036	1.7	14.5	<0.005	<0.1	0.2	6	<1	0.2	123	0.2	<0.5	5.9	0.066
3482856	Drill Core	1.43	71	0.5	5.761	1.4	21.6	0.040	1.2	11.8	<0.005	<0.1	0.1	7	<1	0.2	85	0.1	<0.5	3.9	0.073
3482857	Drill Core	1.42	128	1.1	5.029	0.8	294.7	0.256	10.0	19.0	<0.005	2.0	3.0	6	4	0.3	102	<0.1	<0.5	7.6	0.037
3482858	Drill Core	1.16	104	0.3	5.073	0.6	21.1	0.028	1.7	11.6	<0.005	<0.1	0.2	5	<1	0.2	89	<0.1	<0.5	4.2	0.028
3482859	Drill Core	1.15	101	0.5	5.025	1.0	33.8	0.038	2.2	15.0	<0.005	0.2	0.2	5	<1	0.3	104	<0.1	<0.5	5.0	0.039
3482860	Rock Pulp	4.17	745	5.5	1.144	2.0	213.6	0.025	36.6	25.9	<0.005	0.8	0.6	20	<1	0.4	84	0.1	2.2	1.8	0.229
3482861	Drill Core	1.10	88	0.7	5.106	0.8	25.6	0.029	2.0	9.1	<0.005	<0.1	0.2	5	<1	0.8	91	<0.1	<0.5	3.6	0.038
3482862	Drill Core	1.09	71	0.5	5.418	1.0	46.6	0.041	1.6	8.2	<0.005	0.1	0.2	5	<1	0.2	84	0.1	<0.5	4.7	0.051
3482863	Drill Core	2.10	232	2.5	4.482	0.5	195.9	0.203	18.3	8.2	<0.005	2.8	0.3	9	5	0.2	66	<0.1	<0.5	6.6	0.027
3482864	Drill Core	1.90	233	2.8	4.433	0.6	66.3	0.097	48.1	6.1	<0.005	0.9	0.2	8	1	0.2	61	<0.1	0.6	5.5	0.029
3482865	Drill Core	2.72	152	0.6	3.819	0.3	105.8	0.068	20.9	9.0	<0.005	3.7	0.7	11	6	0.2	49	<0.1	<0.5	4.7	0.019
3482866	Drill Core	0.68	111	1.7	5.631	0.7	10.1	0.053	1.9	1.5	<0.005	<0.1	0.2	4	<1	0.2	62	<0.1	<0.5	4.4	0.027
3482867	Drill Core	1.14	128	1.3	5.129	0.8	13.6	0.057	2.6	10.1	<0.005	0.1	0.2	6	<1	0.2	79	<0.1	<0.5	4.5	0.034
3482868	Drill Core	1.30	189	3.2	5.614	0.7	8.0	0.077	1.9	4.0	<0.005	<0.1	0.1	6	<1	0.1	82	<0.1	<0.5	4.7	0.025
3482869	Drill Core	0.91	104	0.8	5.656	0.9	20.2	0.046	2.0	4.8	<0.005	0.1	0.3	7	<1	0.2	82	<0.1	<0.5	4.3	0.038
3482870	Drill Core	1.06	123	0.8	5.076	0.7	45.6	0.039	2.0	8.9	<0.005	<0.1	0.3	5	<1	0.2	103	<0.1	<0.5	3.4	0.026

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 08, 2020

CERTIFICATE OF ANALYSIS TIM19002702.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA530
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3482851	Drill Core	<0.5	1.4	47	0.5	6.8	3	82.1	
3482852	Drill Core	<0.5	1.7	31	0.6	6.5	1	76.5	
3482853	Drill Core	<0.5	1.3	35	0.5	6.0	2	86.6	
3482854	Drill Core	<0.5	2.1	45	0.7	7.5	51	105.9	
3482855	Drill Core	<0.5	1.5	40	0.4	7.5	2	92.9	
3482856	Drill Core	<0.5	0.9	53	0.4	5.3	2	98.0	
3482857	Drill Core	<0.5	1.9	38	1.0	13.9	26	80.4	
3482858	Drill Core	<0.5	1.1	31	0.4	5.0	3	54.2	
3482859	Drill Core	<0.5	1.4	34	1.2	5.5	2	64.2	
3482860	Rock Pulp	<0.5	0.5	132	12.8	9.6	72	46.8	12.1
3482861	Drill Core	<0.5	0.9	33	0.4	4.4	2	59.2	
3482862	Drill Core	<0.5	1.6	42	0.5	4.5	2	69.6	
3482863	Drill Core	<0.5	2.7	60	1.0	12.1	5	67.7	
3482864	Drill Core	<0.5	1.6	45	1.2	12.5	4	62.9	
3482865	Drill Core	<0.5	2.0	60	0.7	8.3	6	58.1	
3482866	Drill Core	<0.5	2.6	24	1.2	6.0	1	88.6	
3482867	Drill Core	<0.5	1.5	36	0.6	6.4	1	64.5	
3482868	Drill Core	<0.5	1.7	30	0.9	8.9	6	62.2	
3482869	Drill Core	<0.5	1.7	40	0.9	6.5	1	90.7	
3482870	Drill Core	<0.5	1.0	25	0.6	6.8	<1	52.6	

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 08, 2020

QUALITY CONTROL REPORT TIM19002702.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
Pulp Duplicates																					
3569608	Drill Core	5.96	0.017	<0.1	3.04	13	153	<1	0.3	25.45	<0.1	31	9.8	40	15.2	1.51	1.4	<0.05	0.69	15.5	18.8
REP 3569608	QC			<0.1	3.04	11	153	<1	0.2	25.62	<0.1	32	8.6	40	14.7	1.52	1.5	<0.05	0.72	15.4	20.0
3569643	Drill Core	5.45	<0.005	<0.1	7.36	17	752	<1	<0.1	1.29	<0.1	48	20.0	118	30.6	4.17	2.6	<0.05	2.57	25.3	38.3
REP 3569643	QC			<0.1	7.32	24	715	1	<0.1	1.30	<0.1	44	23.4	118	33.6	4.20	2.6	<0.05	2.59	23.1	38.7
3482844	Drill Core	5.28	<0.005	<0.1	6.68	10	225	2	<0.1	0.65	<0.1	42	9.4	42	9.9	1.17	2.7	<0.05	0.64	22.8	7.8
REP 3482844	QC		<0.005																		
3482860	Rock Pulp	0.07	>10	2.0	5.14	60	221	<1	0.6	3.69	0.2	12	33.3	482	113.2	4.36	1.3	<0.05	0.73	5.8	28.2
REP 3482860	QC																				
3482861	Drill Core	3.72	<0.005	<0.1	6.18	23	119	2	<0.1	0.92	<0.1	27	3.8	26	19.2	0.73	1.7	<0.05	0.34	12.7	4.5
REP 3482861	QC		<0.005																		
3482862	Drill Core	3.78	<0.005	<0.1	6.13	42	123	2	<0.1	0.68	<0.1	28	6.1	40	13.5	0.85	2.0	<0.05	0.36	13.3	4.6
REP 3482862	QC			<0.1	6.40	44	121	1	<0.1	0.69	<0.1	29	6.4	39	14.8	0.85	2.1	<0.05	0.36	13.6	4.9
Core Reject Duplicates																					
3569606	Drill Core	5.92	0.052	0.1	3.22	26	198	<1	0.1	22.15	<0.1	35	10.3	31	19.3	1.80	1.6	<0.05	1.61	19.4	33.1
DUP 3569606	QC		0.039	<0.1	3.21	27	190	<1	0.2	21.80	<0.1	34	10.6	31	20.1	1.77	1.8	<0.05	1.61	18.4	35.1
3482864	Drill Core	3.11	0.084	<0.1	6.39	8	70	3	<0.1	1.60	<0.1	89	9.3	38	97.5	2.19	1.9	<0.05	0.27	42.7	5.5
DUP 3482864	QC		0.056	<0.1	6.41	7	72	2	<0.1	1.60	<0.1	89	9.3	37	96.3	2.26	1.8	<0.05	0.27	42.4	6.1
Reference Materials																					
STD OREAS25A-4A	Standard			<0.1	8.70	10	142	<1	0.5	0.27	<0.1	47	7.6	119	35.7	6.36	4.3	0.08	0.48	19.4	39.6
STD OREAS25A-4A	Standard			<0.1	9.07	9	162	1	0.4	0.30	<0.1	48	8.4	123	39.4	6.57	4.2	0.11	0.48	24.7	38.6
STD OREAS25A-4A	Standard			<0.1	8.59	10	135	1	0.6	0.27	<0.1	41	7.2	116	32.1	6.40	3.9	0.08	0.46	17.5	35.2
STD OREAS45E	Standard			0.3	6.86	18	244	<1	0.4	0.05	<0.1	22	57.8	1031	755.4	23.32	3.0	0.11	0.34	9.4	7.2
STD OREAS45H	Standard			0.1	8.39	16	360	1	0.2	0.14	<0.1	27	97.8	646	791.1	20.86	3.5	0.09	0.19	14.8	13.1
STD OREAS45E	Standard			0.3	6.92	16	254	<1	0.3	0.06	<0.1	19	59.3	1042	784.7	23.74	3.0	0.12	0.34	7.6	7.1
STD OXC145	Standard		0.208																		
STD OXC145	Standard		0.210																		
STD OXH139	Standard		1.307																		
STD OXH139	Standard		1.336																		

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 08, 2020

QUALITY CONTROL REPORT TIM19002702.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
Pulp Duplicates																					
3569608	Drill Core	0.73	666	0.7	1.273	4.5	23.9	0.021	2.4	32.9	<0.005	<0.1	0.4	6	<1	1.0	203	0.3	3.6	5.1	0.140
REP 3569608	QC	0.75	673	0.6	1.275	4.3	23.3	0.023	2.5	35.4	<0.005	<0.1	0.4	6	<1	1.1	197	0.3	2.7	5.7	0.140
3569643	Drill Core	2.21	320	1.6	2.564	6.2	67.2	0.058	7.7	86.3	<0.005	0.2	0.6	16	1	1.4	150	0.5	0.6	7.1	0.352
REP 3569643	QC	2.20	323	1.4	2.546	5.7	63.9	0.053	7.6	81.8	<0.005	0.2	0.6	16	1	1.2	136	0.5	<0.5	6.7	0.345
3482844	Drill Core	1.60	51	0.4	5.136	1.7	25.6	0.048	1.1	35.9	<0.005	0.1	0.2	7	<1	0.4	96	0.2	<0.5	5.4	0.100
REP 3482844	QC																				
3482860	Rock Pulp	4.17	745	5.5	1.144	2.0	213.6	0.025	36.6	25.9	<0.005	0.8	0.6	20	<1	0.4	84	0.1	2.2	1.8	0.229
REP 3482860	QC																				
3482861	Drill Core	1.10	88	0.7	5.106	0.8	25.6	0.029	2.0	9.1	<0.005	<0.1	0.2	5	<1	0.8	91	<0.1	<0.5	3.6	0.038
REP 3482861	QC																				
3482862	Drill Core	1.09	71	0.5	5.418	1.0	46.6	0.041	1.6	8.2	<0.005	0.1	0.2	5	<1	0.2	84	0.1	<0.5	4.7	0.051
REP 3482862	QC	1.12	72	0.4	5.502	1.0	47.1	0.043	1.6	9.0	<0.005	0.1	0.2	5	<1	0.3	87	<0.1	<0.5	4.3	0.047
Core Reject Duplicates																					
3569606	Drill Core	1.82	795	0.7	1.003	4.3	25.1	0.021	2.4	46.4	<0.005	<0.1	0.4	6	<1	0.9	195	0.3	2.6	5.2	0.132
DUP 3569606	QC	1.79	796	0.7	0.993	4.3	23.8	0.021	2.4	46.1	<0.005	<0.1	0.3	6	<1	0.9	194	0.4	3.2	5.3	0.132
3482864	Drill Core	1.90	233	2.8	4.433	0.6	66.3	0.097	48.1	6.1	<0.005	0.9	0.2	8	1	0.2	61	<0.1	0.6	5.5	0.029
DUP 3482864	QC	1.90	238	2.7	4.634	0.5	67.9	0.100	48.7	5.9	<0.005	0.9	0.2	8	2	0.2	61	<0.1	<0.5	5.4	0.026
Reference Materials																					
STD OREAS25A-4A	Standard	0.32	486	2.6	0.137	20.3	47.6	0.046	24.0	53.6	<0.005	<0.1	0.7	13	3	4.1	46	1.4	<0.5	15.0	0.914
STD OREAS25A-4A	Standard	0.35	496	2.7	0.127	19.0	51.5	0.051	26.6	63.7	<0.005	<0.1	0.7	13	2	4.1	49	1.4	<0.5	16.3	0.885
STD OREAS25A-4A	Standard	0.29	487	2.1	0.130	19.3	42.7	0.046	22.4	50.0	<0.005	<0.1	0.6	12	2	3.7	43	1.3	<0.5	13.5	0.918
STD OREAS45E	Standard	0.15	592	2.3	0.056	6.1	471.6	0.035	18.0	18.8	<0.005	<0.1	1.0	93	2	1.4	15	0.5	<0.5	12.7	0.515
STD OREAS45H	Standard	0.27	403	1.8	0.091	14.8	448.1	0.022	13.8	24.3	<0.005	<0.1	0.6	59	2	2.3	29	1.0	<0.5	8.6	0.860
STD OREAS45E	Standard	0.15	583	2.2	0.055	6.2	487.0	0.033	17.9	17.1	<0.005	<0.1	1.1	89	2	1.4	15	0.5	<0.5	11.4	0.519
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				

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145 Wellington St. West, Suite 1001
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Project: SPJ
Report Date: January 08, 2020

QUALITY CONTROL REPORT TIM19002702.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA530
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
Pulp Duplicates									
3569608	Drill Core	<0.5	2.1	38	0.8	9.0	13	51.2	
REP 3569608	QC	<0.5	2.2	38	0.7	10.0	12	52.9	
3569643	Drill Core	<0.5	2.6	116	1.0	13.5	35	92.7	
REP 3569643	QC	<0.5	2.5	118	0.9	13.1	33	87.7	
3482844	Drill Core	<0.5	1.5	45	0.3	7.1	3	95.5	
REP 3482844	QC								
3482860	Rock Pulp	<0.5	0.5	132	12.8	9.6	72	46.8	12.1
REP 3482860	QC								I.S.
3482861	Drill Core	<0.5	0.9	33	0.4	4.4	2	59.2	
REP 3482861	QC								
3482862	Drill Core	<0.5	1.6	42	0.5	4.5	2	69.6	
REP 3482862	QC	<0.5	1.7	42	0.5	4.5	2	72.9	
Core Reject Duplicates									
3569606	Drill Core	<0.5	2.0	42	0.9	12.4	14	54.3	
DUP 3569606	QC	<0.5	2.0	41	0.9	12.1	13	55.1	
3482864	Drill Core	<0.5	1.6	45	1.2	12.5	4	62.9	
DUP 3482864	QC	<0.5	1.6	45	1.2	12.5	3	61.0	
Reference Materials									
STD OREAS25A-4A	Standard	<0.5	2.7	156	1.9	10.0	45	148.9	
STD OREAS25A-4A	Standard	<0.5	3.1	152	1.8	10.8	51	153.4	
STD OREAS25A-4A	Standard	<0.5	2.5	159	1.9	9.6	44	144.5	
STD OREAS45E	Standard	<0.5	2.4	321	1.1	7.3	47	90.2	
STD OREAS45H	Standard	<0.5	1.9	273	1.0	10.8	42	126.0	
STD OREAS45E	Standard	<0.5	2.3	345	1.0	6.9	48	92.0	
STD OXC145	Standard								
STD OXC145	Standard								
STD OXH139	Standard								
STD OXH139	Standard								

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QUALITY CONTROL REPORT TIM19002702.1

		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
STD OXN134	Standard		7.772																		
STD OXN134	Standard		7.806																		
STD OXP116	Standard																				
STD OXQ90	Standard																				
STD OXQ90	Standard																				
STD OXC145 Expected			0.212																		
STD OXN134 Expected			7.667																		
STD OXH139 Expected			1.312																		
STD OREAS45H Expected				0.147	7.99	16.9	332	1.09	0.17	0.135		23.6	88	602	767	19.52	3.6	0.1	0.205	12.4	13.1
STD OREAS25A-4A Expected					8.87	9.94	147	0.93	0.37	0.301		47.3	7.7	115	33.9	6.6	4.14	0.09	0.482	21.8	36.7
STD OREAS45E Expected				0.311	6.78	16.3	252		0.28	0.065	0.06	23.5	57	979	780	24.12	3.11	0.099	0.324	11	6.58
STD OXP116 Expected																					
STD OXQ90 Expected																					
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	0.2	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank																				
Prep Wash																					
ROCK-TIM	Prep Blank		<0.005	<0.1	6.50	3	725	1	0.3	1.53	<0.1	27	5.1	4	4.3	2.15	1.6	<0.05	1.51	13.1	2.0
ROCK-TIM	Prep Blank		<0.005	<0.1	6.54	2	723	1	0.2	1.51	<0.1	22	4.8	4	4.7	2.13	1.6	0.05	1.50	11.0	2.2

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BUREAU VERITAS
MINERAL LABORATORIES
Canada

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 08, 2020

QUALITY CONTROL REPORT TIM19002702.1

		MA200 Mg % 0.01	MA200 Mn ppm 1	MA200 Mo ppm 0.1	MA200 Na % 0.001	MA200 Nb ppm 0.1	MA200 Ni ppm 0.1	MA200 P % 0.001	MA200 Pb ppm 0.1	MA200 Rb ppm 0.1	MA200 Re ppm 0.005	MA200 S % 0.1	MA200 Sb ppm 0.1	MA200 Sc ppm 1	MA200 Se ppm 1	MA200 Sn ppm 0.1	MA200 Sr ppm 1	MA200 Ta ppm 0.1	MA200 Te ppm 0.5	MA200 Th ppm 0.1	MA200 Ti % 0.001
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXP116	Standard																				
STD OXQ90	Standard																				
STD OXQ90	Standard																				
STD OXC145 Expected																					
STD OXN134 Expected																					
STD OXH139 Expected																					
STD OREAS45H Expected		0.238	380	1.55	0.09	14.8	423	0.023	11.9	22.5			0.63	57	2.02	1.93	27.1	1.08		7.26	0.878
STD OREAS25A-4A Expected		0.327	480	2.41	0.131	20.9	45.8	0.048	25.2	61		0.047	0.65	13.7	2.4	4.06	48.5	1.4		15.8	0.93
STD OREAS45E Expected		0.156	570	2.4	0.059	6.8	454	0.034	18.2	21.2		0.046	1	93	2.97	1.32	15.9	0.54	0.1	12.9	0.559
STD OXP116 Expected																					
STD OXQ90 Expected																					
BLK	Blank	<0.01	<1	<0.1	0.003	<0.1	0.2	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<1	<0.1	0.002	<0.1	0.3	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.001	<0.1	0.1	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank																				
Prep Wash																					
ROCK-TIM	Prep Blank	0.62	683	1.3	3.451	5.3	1.8	0.040	2.3	24.6	<0.005	<0.1	<0.1	7	<1	0.7	187	0.4	<0.5	2.8	0.200
ROCK-TIM	Prep Blank	0.61	682	1.3	3.377	5.2	2.0	0.043	2.3	25.7	<0.005	<0.1	<0.1	7	<1	0.8	191	0.4	<0.5	2.7	0.200

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 08, 2020

QUALITY CONTROL REPORT TIM19002702.1

		MA200 Tl ppm 0.5	MA200 U ppm 0.1	MA200 V ppm 1	MA200 W ppm 0.1	MA200 Y ppm 0.1	MA200 Zn ppm 1	MA200 Zr ppm 0.1	FA530 Au gm/t 0.9
STD OXN134	Standard								
STD OXN134	Standard								
STD OXP116	Standard								15.1
STD OXQ90	Standard								24.9
STD OXQ90	Standard								24.4
STD OXC145 Expected									
STD OXN134 Expected									
STD OXH139 Expected									
STD OREAS45H Expected			1.68	263	0.99	10.4	39.7	131	
STD OREAS25A-4A Expected		0.35	2.94	157	2	10.5	44.4	155	
STD OREAS45E Expected		0.15	2.41	322	1.07	8.28	46.7	97	
STD OXP116 Expected									14.92
STD OXQ90 Expected									24.88
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1	
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1	
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1	
BLK	Blank								<0.9
Prep Wash									
ROCK-TIM	Prep Blank	<0.5	1.1	41	0.3	15.2	36	48.5	
ROCK-TIM	Prep Blank	<0.5	1.1	40	0.3	15.2	36	50.5	

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By:	Quentin Yarie
Receiving Lab:	Canada-Timmins
Received:	December 02, 2019
Analysis Start:	December 23, 2019
Report Date:	January 07, 2020
Page:	1 of 4

CERTIFICATE OF ANALYSIS TIM19002762.1

CLIENT JOB INFORMATION

Project:	SPJ
Shipment ID:	
P.O. Number	
Number of Samples:	80

SAMPLE DISPOSAL

RTRN-PLP	Return After 90 days
RTRN-RJT	Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP85-500	76	Crush split and pulverize 250g of sample to 200mesh			TIM
SHP01	80	Per sample shipping charges for branch shipments			TIM
SLBHP	3	Sort, label and box pulps			TIM
FA450	80	50g Lead Collection Fire Assay Fusion - AAS Finish	50	Completed	TIM
EN002	80	Environmental disposal charge-Fire assay lead waste			TIM
MA200	80	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
EN001-MA	80	Environmental disposal fee - Multi-acid neutralization			VAN

ADDITIONAL COMMENTS

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
Marcus Lau
MARCUS LAU
Production Manager

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All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 07, 2020

CERTIFICATE OF ANALYSIS TIM19002762.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3482871	Drill Core	3.44	<0.005	<0.1	5.65	44	103	1	<0.1	1.15	<0.1	46	8.4	24	30.4	0.61	1.4	<0.05	0.34	21.4	3.7
3482872	Drill Core	4.93	<0.005	<0.1	4.82	10	132	1	<0.1	0.49	<0.1	19	2.6	36	6.7	0.82	1.8	<0.05	0.46	8.2	7.0
3482873	Drill Core	4.04	<0.005	<0.1	5.70	12	110	2	<0.1	1.49	<0.1	59	5.1	36	13.5	0.80	1.7	<0.05	0.38	27.0	4.0
3482874	Drill Core	3.47	0.006	<0.1	5.99	23	113	4	<0.1	1.61	<0.1	58	6.5	41	24.9	0.85	2.1	<0.05	0.41	25.9	4.6
3482875	Rock	0.22	<0.005	<0.1	8.22	1	17	<1	<0.1	0.15	<0.1	1	<0.2	<1	0.7	0.20	0.2	<0.05	3.67	0.5	18.6
3482876	Drill Core	4.34	0.007	<0.1	5.48	22	106	2	<0.1	1.34	<0.1	67	8.4	41	24.5	0.77	2.0	<0.05	0.38	28.7	4.0
3482877	Drill Core	4.66	<0.005	<0.1	6.37	11	113	2	<0.1	1.14	<0.1	94	3.0	42	7.3	0.81	2.0	<0.05	0.37	41.3	6.8
3482878	Drill Core	4.32	<0.005	<0.1	5.83	6	70	2	<0.1	1.18	<0.1	78	2.6	31	3.3	0.57	1.5	<0.05	0.21	34.3	2.7
3482879	Drill Core	3.49	0.009	<0.1	6.06	5	61	<1	<0.1	1.92	<0.1	80	2.5	27	3.3	0.55	1.5	<0.05	0.20	37.2	2.1
3482880	Rock Pulp	0.07	0.500	0.2	7.65	4	149	<1	<0.1	6.90	<0.1	9	44.9	184	157.6	7.89	1.5	0.05	0.20	3.4	10.4
3482881	Drill Core	4.37	<0.005	<0.1	5.43	15	101	1	<0.1	0.77	<0.1	56	3.0	32	11.8	0.67	1.7	<0.05	0.31	23.4	4.8
3482882	Drill Core	4.66	<0.005	<0.1	5.87	9	130	1	<0.1	0.87	<0.1	25	6.5	40	12.2	0.92	1.7	<0.05	0.44	10.1	6.0
3482883	Drill Core	4.54	<0.005	<0.1	4.83	8	143	1	<0.1	0.49	<0.1	34	4.7	42	15.0	0.88	1.8	<0.05	0.46	14.3	6.9
3482884	Drill Core	4.65	<0.005	<0.1	5.11	15	151	2	<0.1	0.41	<0.1	31	5.9	40	41.4	0.96	1.8	<0.05	0.59	12.5	8.1
3482885	Drill Core	4.47	<0.005	<0.1	4.95	18	129	2	<0.1	0.62	0.1	50	8.9	26	29.9	0.92	1.0	<0.05	0.43	21.4	4.9
3482886	Drill Core	3.93	<0.005	<0.1	6.11	4	97	2	<0.1	1.65	<0.1	49	2.5	27	5.3	0.76	1.3	<0.05	0.37	21.7	4.4
3482887	Drill Core	3.88	<0.005	<0.1	6.34	3	84	4	<0.1	1.68	<0.1	111	3.1	48	18.0	0.99	2.3	<0.05	0.39	47.0	5.4
3482888	Drill Core	3.74	<0.005	<0.1	5.41	5	88	2	<0.1	0.98	0.1	78	3.1	26	8.7	0.70	1.3	<0.05	0.35	33.4	4.1
3482889	Drill Core	3.01	0.015	<0.1	5.74	28	120	4	0.1	1.10	<0.1	79	26.2	50	82.2	1.55	1.7	<0.05	0.41	37.9	6.9
3482890	Drill Core	4.33	<0.005	<0.1	5.27	12	162	2	<0.1	0.74	<0.1	26	7.9	56	24.4	1.13	2.6	<0.05	0.46	10.7	8.2
3482891	Drill Core	3.95	<0.005	<0.1	6.00	19	187	2	<0.1	0.63	<0.1	35	9.7	72	7.9	1.40	2.6	<0.05	0.56	15.3	10.3
3482892	Drill Core	5.39	<0.005	<0.1	6.06	38	246	3	<0.1	0.63	<0.1	47	20.8	68	26.0	1.41	2.5	<0.05	0.79	20.6	12.4
3482893	Drill Core	5.04	<0.005	<0.1	5.49	25	239	3	<0.1	0.56	<0.1	39	13.1	59	14.5	1.18	2.7	<0.05	0.69	16.5	11.6
3482894	Drill Core	6.62	<0.005	<0.1	5.65	12	273	1	<0.1	0.56	<0.1	44	7.7	48	12.4	1.03	2.1	<0.05	0.71	20.0	9.9
3482895	Drill Core	5.34	0.006	<0.1	5.50	22	216	2	0.1	0.70	<0.1	34	10.8	62	31.3	1.07	2.4	<0.05	0.68	13.8	6.9
3482896	Drill Core	5.03	0.007	<0.1	6.10	27	155	<1	0.7	1.52	<0.1	76	9.1	38	49.0	0.97	1.7	<0.05	0.53	33.5	5.1
3482897	Drill Core	3.50	0.006	<0.1	6.31	21	230	3	0.5	1.06	<0.1	71	19.3	78	62.8	1.68	3.0	<0.05	0.66	27.3	9.0
3482898	Rock	0.19	<0.005	<0.1	7.97	1	16	<1	<0.1	0.15	<0.1	<1	<0.2	<1	1.0	0.17	0.2	<0.05	3.83	0.3	21.4
3482899	Drill Core	4.14	<0.005	<0.1	5.91	5	208	1	0.1	1.19	<0.1	66	7.2	42	35.1	1.32	2.2	<0.05	0.92	31.0	9.3
3482900	Rock Pulp	0.07	5.358	1.0	6.71	22	207	<1	0.3	5.33	<0.1	11	42.8	284	140.1	6.96	1.5	0.06	0.48	4.6	16.8

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 07, 2020

CERTIFICATE OF ANALYSIS TIM19002762.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3482871	Drill Core	1.04	105	0.6	5.302	0.5	34.9	0.035	1.4	7.7	<0.005	<0.1	0.2	3	<1	0.2	89	<0.1	0.5	2.5	0.020
3482872	Drill Core	1.41	59	0.4	5.083	0.9	21.3	0.032	1.3	9.6	<0.005	<0.1	0.1	5	<1	0.3	81	<0.1	0.5	2.7	0.042
3482873	Drill Core	1.34	153	0.3	5.087	0.8	18.4	0.045	2.6	10.5	<0.005	<0.1	0.2	5	<1	0.2	84	<0.1	0.8	3.3	0.037
3482874	Drill Core	1.39	144	0.8	5.434	1.0	26.7	0.055	2.7	10.8	<0.005	0.2	0.2	7	<1	0.3	90	0.1	<0.5	4.2	0.041
3482875	Rock	0.02	36	0.2	7.624	<0.1	0.5	0.001	4.5	56.7	<0.005	<0.1	0.2	<1	<1	1.1	26	<0.1	<0.5	0.1	<0.001
3482876	Drill Core	1.20	117	0.4	5.221	1.0	26.3	0.047	2.1	9.6	<0.005	0.2	0.2	5	<1	0.2	88	0.1	<0.5	4.3	0.037
3482877	Drill Core	1.48	90	0.8	5.888	1.3	21.3	0.041	1.8	7.7	<0.005	<0.1	0.1	8	<1	0.3	101	0.1	<0.5	5.1	0.047
3482878	Drill Core	0.99	101	0.4	5.556	0.8	9.7	0.050	1.4	3.1	<0.005	<0.1	0.2	5	<1	0.2	74	<0.1	<0.5	3.5	0.027
3482879	Drill Core	1.14	141	0.3	5.214	0.7	7.0	0.047	1.3	2.9	<0.005	<0.1	0.2	5	<1	0.2	65	<0.1	1.2	3.5	0.022
3482880	Rock Pulp	4.42	1495	0.7	2.245	3.7	91.5	0.043	2.7	3.7	<0.005	0.1	0.4	42	<1	0.6	97	0.2	2.8	0.3	0.691
3482881	Drill Core	0.94	62	0.7	5.303	0.8	17.6	0.038	1.5	6.6	<0.005	<0.1	0.2	5	<1	0.1	79	<0.1	<0.5	3.1	0.031
3482882	Drill Core	1.28	83	0.3	5.029	1.1	17.8	0.040	5.2	11.2	<0.005	<0.1	0.2	5	<1	0.2	103	0.1	1.0	3.4	0.046
3482883	Drill Core	1.26	54	0.4	4.887	1.0	17.9	0.043	5.2	7.9	<0.005	<0.1	0.2	5	<1	0.2	86	0.1	0.5	2.9	0.043
3482884	Drill Core	1.44	59	0.4	5.157	1.1	28.2	0.040	3.4	11.8	<0.005	<0.1	0.2	5	<1	0.4	93	0.1	<0.5	2.9	0.050
3482885	Drill Core	1.14	76	0.4	4.980	0.7	27.9	0.042	14.4	7.9	<0.005	0.1	0.3	3	1	0.2	81	<0.1	0.6	2.1	0.033
3482886	Drill Core	1.57	197	0.4	5.010	0.8	8.5	0.050	3.1	9.8	<0.005	<0.1	0.2	7	<1	0.2	70	<0.1	1.1	3.5	0.031
3482887	Drill Core	1.81	195	0.3	4.442	0.9	9.8	0.071	5.9	12.3	<0.005	<0.1	0.3	9	<1	0.2	61	<0.1	<0.5	6.3	0.035
3482888	Drill Core	1.11	138	0.5	4.661	0.5	9.0	0.030	18.6	8.0	<0.005	<0.1	0.3	4	<1	0.1	56	<0.1	<0.5	3.3	0.021
3482889	Drill Core	1.84	158	0.5	4.709	0.9	32.2	0.053	13.7	12.6	<0.005	0.5	0.8	9	1	0.2	69	<0.1	0.8	4.7	0.037
3482890	Drill Core	1.69	91	0.4	4.646	1.0	32.7	0.055	5.4	8.7	<0.005	<0.1	0.2	6	<1	0.2	102	<0.1	1.2	3.9	0.044
3482891	Drill Core	2.30	82	0.5	4.725	1.8	35.3	0.046	4.0	18.3	<0.005	<0.1	0.2	9	<1	0.3	104	0.2	0.5	6.3	0.072
3482892	Drill Core	2.47	73	0.5	4.932	1.7	53.2	0.052	2.7	41.1	<0.005	<0.1	0.2	12	<1	0.3	126	0.1	1.8	6.3	0.078
3482893	Drill Core	2.00	57	0.5	4.610	1.4	38.2	0.056	5.4	21.5	<0.005	<0.1	0.2	8	<1	0.2	119	0.1	<0.5	4.7	0.062
3482894	Drill Core	1.75	51	0.5	4.615	1.3	27.6	0.037	4.1	26.9	<0.005	<0.1	0.2	7	<1	0.3	127	0.1	0.6	3.9	0.062
3482895	Drill Core	1.54	63	1.0	4.956	1.8	29.9	0.057	5.5	15.7	<0.005	0.1	0.3	7	<1	0.3	103	0.2	0.7	4.9	0.068
3482896	Drill Core	1.45	108	0.2	5.235	1.3	20.3	0.037	4.7	24.4	<0.005	0.2	0.3	7	<1	0.2	96	0.1	0.8	4.3	0.052
3482897	Drill Core	1.86	82	0.5	5.628	1.5	42.9	0.046	6.3	17.6	<0.005	0.6	0.4	12	<1	0.3	84	0.1	0.5	7.1	0.071
3482898	Rock	0.02	35	0.1	7.520	<0.1	0.4	<0.001	4.3	55.0	<0.005	<0.1	<0.1	<1	<1	<0.1	25	<0.1	<0.5	<0.1	<0.001
3482899	Drill Core	1.93	104	0.3	4.386	1.6	25.7	0.042	8.7	50.9	<0.005	0.2	0.2	7	<1	0.3	119	0.2	0.8	4.2	0.081
3482900	Rock Pulp	4.16	1213	3.2	1.877	3.2	125.6	0.040	15.5	15.2	<0.005	0.4	0.4	33	1	0.6	96	0.2	2.1	0.9	0.558

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 07, 2020

CERTIFICATE OF ANALYSIS TIM19002762.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3482871	Drill Core	<0.5	0.6	22	0.2	5.3	2	50.8
3482872	Drill Core	<0.5	0.4	41	0.3	2.8	3	58.6
3482873	Drill Core	<0.5	1.1	34	0.8	7.5	2	60.5
3482874	Drill Core	<0.5	1.0	45	1.1	7.6	2	80.0
3482875	Rock	0.6	<0.1	<1	<0.1	1.3	2	13.4
3482876	Drill Core	<0.5	1.7	39	0.9	6.0	2	76.4
3482877	Drill Core	<0.5	2.1	55	0.7	8.5	2	76.3
3482878	Drill Core	<0.5	1.1	26	0.8	5.9	2	59.5
3482879	Drill Core	<0.5	0.7	22	0.6	7.3	1	58.1
3482880	Rock Pulp	<0.5	<0.1	312	1.0	20.9	87	46.7
3482881	Drill Core	<0.5	0.6	35	0.5	3.9	2	60.4
3482882	Drill Core	<0.5	1.1	34	0.7	6.2	24	60.1
3482883	Drill Core	<0.5	0.7	39	0.3	3.4	14	66.0
3482884	Drill Core	<0.5	0.7	43	0.4	3.2	7	65.0
3482885	Drill Core	<0.5	0.6	27	0.4	4.8	30	39.7
3482886	Drill Core	<0.5	0.7	28	0.9	8.1	3	53.2
3482887	Drill Core	<0.5	1.9	43	0.8	13.0	6	77.3
3482888	Drill Core	<0.5	1.1	24	0.7	6.5	44	52.6
3482889	Drill Core	<0.5	2.3	40	1.0	10.3	27	64.9
3482890	Drill Core	<0.5	1.2	41	0.3	4.2	9	98.3
3482891	Drill Core	<0.5	1.9	58	0.5	6.3	9	93.5
3482892	Drill Core	<0.5	2.2	67	0.4	7.7	6	91.4
3482893	Drill Core	<0.5	1.0	50	0.2	4.3	8	96.3
3482894	Drill Core	<0.5	0.9	43	0.3	4.3	7	70.6
3482895	Drill Core	<0.5	1.6	40	0.8	4.6	21	85.3
3482896	Drill Core	<0.5	1.6	39	1.3	7.3	6	67.3
3482897	Drill Core	<0.5	2.1	92	1.2	9.1	9	103.6
3482898	Rock	0.6	<0.1	<1	<0.1	1.2	2	8.7
3482899	Drill Core	<0.5	1.3	40	0.7	5.8	13	73.1
3482900	Rock Pulp	<0.5	0.2	253	5.1	17.3	90	47.3

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 07, 2020

CERTIFICATE OF ANALYSIS TIM19002762.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3482901	Drill Core	4.25	<0.005	<0.1	5.83	14	238	2	0.4	0.77	<0.1	70	16.6	86	34.6	1.54	3.4	<0.05	1.10	28.9	10.5
3482902	Drill Core	4.00	<0.005	<0.1	4.85	11	257	1	0.1	0.39	<0.1	30	11.1	63	20.0	1.36	2.6	<0.05	1.09	12.2	7.8
3482903	Drill Core	4.68	<0.005	<0.1	5.92	10	235	2	0.3	0.82	<0.1	45	12.3	70	27.0	1.29	4.1	<0.05	0.91	20.2	7.5
3482904	Drill Core	4.73	<0.005	<0.1	6.51	6	234	2	0.1	0.89	<0.1	40	6.8	36	19.2	1.22	2.3	<0.05	0.87	19.4	7.9
3482905	Drill Core	5.22	<0.005	<0.1	6.55	7	237	2	<0.1	0.53	0.1	55	8.5	24	23.6	1.08	1.7	<0.05	0.83	27.0	6.7
3482906	Drill Core	5.92	<0.005	<0.1	6.26	3	199	2	<0.1	0.42	<0.1	18	4.6	21	10.7	1.06	1.6	<0.05	0.70	7.9	7.1
3482907	Drill Core	4.66	<0.005	<0.1	6.46	6	155	1	<0.1	0.83	<0.1	31	3.9	18	5.5	0.79	1.6	<0.05	0.59	13.9	5.5
3482908	Drill Core	4.85	<0.005	<0.1	6.65	13	240	2	<0.1	0.88	<0.1	50	15.6	42	11.5	1.30	2.7	<0.05	0.83	24.6	10.1
3482909	Drill Core	3.72	<0.005	<0.1	6.27	11	244	2	<0.1	1.00	0.3	78	12.2	35	17.8	1.32	2.2	<0.05	0.88	38.2	9.4
3482910	Drill Core	4.19	<0.005	<0.1	6.69	15	314	1	<0.1	0.64	<0.1	37	13.3	58	19.2	1.36	4.2	<0.05	0.80	18.2	11.3
3482911	Drill Core	4.27	<0.005	<0.1	6.30	11	320	2	<0.1	0.47	<0.1	47	9.7	42	2.6	1.18	2.6	<0.05	0.84	22.7	11.6
3482912	Drill Core	6.51	<0.005	<0.1	6.35	4	147	2	<0.1	0.46	<0.1	21	4.4	25	1.7	0.83	1.3	<0.05	0.47	10.4	6.7
3482913	Drill Core	5.15	<0.005	<0.1	5.74	8	129	1	<0.1	0.41	<0.1	15	4.6	25	7.9	0.87	1.5	<0.05	0.48	6.6	5.8
3482914	Drill Core	5.18	<0.005	<0.1	6.49	8	150	1	<0.1	0.60	<0.1	37	3.9	27	13.1	0.91	1.7	<0.05	0.59	16.5	7.2
3482915	Drill Core	5.48	<0.005	<0.1	6.34	5	126	2	<0.1	0.94	<0.1	76	6.2	26	6.7	0.89	1.7	<0.05	0.40	35.6	6.6
3482916	Drill Core	4.93	0.019	<0.1	6.70	11	105	2	<0.1	1.10	<0.1	56	10.9	37	14.5	0.99	2.6	<0.05	0.45	26.6	6.8
3482917	Drill Core	3.46	0.078	<0.1	6.43	11	122	2	<0.1	0.89	<0.1	38	11.0	32	16.7	1.17	2.1	<0.05	0.50	19.5	7.8
3482918	Drill Core	5.57	<0.005	<0.1	6.25	9	95	2	<0.1	0.96	<0.1	31	7.5	51	11.6	0.75	3.6	<0.05	0.47	14.1	6.0
3482919	Drill Core	5.74	<0.005	<0.1	6.30	6	118	2	<0.1	0.95	<0.1	46	8.3	42	10.9	0.82	3.2	<0.05	0.50	21.7	6.2
3482920	Rock Pulp	0.07	1.505	0.2	7.25	512	358	<1	<0.1	5.87	<0.1	37	43.9	199	81.6	8.63	2.9	0.07	0.67	20.7	9.6
3482921	Drill Core	5.24	0.006	<0.1	6.69	6	91	2	<0.1	0.91	<0.1	68	10.4	47	7.0	0.84	4.2	<0.05	0.38	32.6	6.5
3482922	Drill Core	5.10	<0.005	<0.1	6.31	1	94	2	<0.1	0.62	<0.1	46	7.8	33	3.7	0.94	2.6	<0.05	0.41	20.9	8.7
3482923	Drill Core	4.50	<0.005	<0.1	5.47	<1	106	1	<0.1	0.53	<0.1	21	5.5	27	1.9	0.73	1.6	<0.05	0.35	10.2	6.3
3482924	Drill Core	4.84	0.007	<0.1	5.96	2	80	1	<0.1	0.68	<0.1	79	4.7	18	1.8	0.62	1.6	<0.05	0.25	39.1	3.9
3482925	Rock	0.20	<0.005	<0.1	9.76	<1	20	<1	<0.1	0.18	<0.1	1	<0.2	1	0.4	0.29	0.2	<0.05	3.64	0.6	22.7
3482926	Drill Core	4.22	<0.005	<0.1	7.06	1	60	1	<0.1	1.96	<0.1	36	2.2	26	1.3	0.81	1.8	<0.05	0.30	17.0	3.2
3482927	Drill Core	4.49	0.006	<0.1	7.29	2	58	<1	<0.1	2.15	<0.1	79	4.5	24	2.1	0.91	2.9	<0.05	0.28	40.4	3.8
3482928	Drill Core	3.42	0.057	<0.1	6.06	5	55	2	<0.1	0.72	<0.1	63	11.6	43	4.3	1.04	4.2	<0.05	0.38	29.5	8.4
3482929	Drill Core	4.36	<0.005	<0.1	5.88	4	42	2	<0.1	0.49	<0.1	52	6.4	47	3.8	1.12	3.8	<0.05	0.49	23.5	12.2
3482930	Drill Core	3.53	0.023	<0.1	7.34	8	52	2	0.1	2.19	<0.1	56	34.3	37	3.2	1.13	3.5	<0.05	0.29	26.0	5.7

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CERTIFICATE OF ANALYSIS TIM19002762.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3482901	Drill Core	1.96	100	0.3	4.295	1.8	33.1	0.063	11.1	56.2	<0.005	0.2	0.3	8	1	0.4	113	0.2	0.9	7.5	0.093
3482902	Drill Core	1.70	47	0.3	4.241	1.8	24.2	0.051	10.6	45.4	<0.005	0.1	0.2	6	<1	0.4	99	0.2	0.5	4.2	0.083
3482903	Drill Core	1.70	94	0.3	4.620	1.6	29.7	0.070	9.9	43.4	<0.005	0.2	0.2	10	1	0.4	127	0.2	1.0	6.6	0.080
3482904	Drill Core	1.71	91	0.3	4.898	1.3	22.0	0.048	15.4	36.7	<0.005	<0.1	0.2	7	<1	0.5	128	0.1	<0.5	5.0	0.083
3482905	Drill Core	1.45	58	0.3	5.079	1.3	21.1	0.035	11.2	34.3	<0.005	<0.1	0.2	6	1	0.4	113	0.1	<0.5	3.8	0.076
3482906	Drill Core	1.40	56	0.3	4.970	1.2	16.6	0.032	2.8	21.3	<0.005	<0.1	0.1	6	<1	0.3	92	0.1	<0.5	2.9	0.070
3482907	Drill Core	1.19	82	0.3	4.917	0.9	13.6	0.026	1.6	20.6	<0.005	<0.1	0.2	5	<1	0.3	101	<0.1	<0.5	3.4	0.050
3482908	Drill Core	1.92	85	0.3	4.893	1.9	25.5	0.043	2.9	27.5	<0.005	0.1	0.2	9	<1	0.5	112	0.2	0.5	7.7	0.096
3482909	Drill Core	1.86	90	0.2	4.558	1.3	33.0	0.050	18.4	28.5	<0.005	0.2	0.3	7	2	0.4	122	0.1	<0.5	5.3	0.081
3482910	Drill Core	2.12	69	0.5	4.878	2.1	35.7	0.078	3.5	23.7	<0.005	0.1	0.3	12	<1	0.6	117	0.2	<0.5	10.5	0.104
3482911	Drill Core	2.04	50	0.4	4.842	1.6	32.6	0.051	1.8	24.1	<0.005	<0.1	0.1	10	1	0.5	120	0.2	<0.5	7.4	0.096
3482912	Drill Core	1.46	44	0.2	4.854	0.8	18.4	0.030	1.7	13.3	<0.005	<0.1	0.1	6	1	0.3	124	<0.1	<0.5	3.3	0.044
3482913	Drill Core	1.26	48	0.4	5.054	0.7	16.4	0.027	1.4	6.6	<0.005	<0.1	0.1	5	<1	0.2	88	<0.1	<0.5	2.9	0.042
3482914	Drill Core	1.47	61	0.5	4.881	1.0	18.8	0.033	1.4	20.0	<0.005	<0.1	0.1	6	<1	0.2	110	<0.1	<0.5	4.1	0.056
3482915	Drill Core	1.41	80	0.2	4.734	0.9	17.3	0.041	1.1	12.7	<0.005	<0.1	0.1	6	1	0.3	107	<0.1	<0.5	4.3	0.049
3482916	Drill Core	1.66	100	0.3	4.982	1.5	25.9	0.064	1.2	16.1	<0.005	<0.1	0.1	8	<1	0.3	98	0.2	<0.5	5.9	0.077
3482917	Drill Core	1.47	102	0.3	4.825	1.4	20.5	0.038	1.5	15.5	<0.005	0.1	0.2	5	1	0.3	106	0.1	<0.5	4.4	0.065
3482918	Drill Core	1.15	103	0.2	5.294	1.7	18.9	0.085	1.3	10.3	<0.005	<0.1	0.2	7	<1	0.3	85	0.2	<0.5	7.7	0.071
3482919	Drill Core	1.28	89	0.4	4.940	1.5	21.5	0.064	1.3	14.9	<0.005	<0.1	0.2	7	<1	0.4	106	0.2	<0.5	7.9	0.070
3482920	Rock Pulp	3.98	1985	2.8	2.110	19.1	142.2	0.170	5.0	21.1	<0.005	0.7	2.2	20	1	1.9	370	1.2	0.5	3.5	0.936
3482921	Drill Core	1.23	92	0.7	5.370	2.0	23.1	0.053	1.3	9.8	<0.005	0.1	0.2	6	<1	0.3	75	0.2	<0.5	8.6	0.079
3482922	Drill Core	1.53	65	0.4	5.222	1.6	24.6	0.056	1.1	5.6	<0.005	<0.1	<0.1	6	<1	0.3	82	0.2	<0.5	5.3	0.071
3482923	Drill Core	1.14	61	0.3	5.091	0.9	17.5	0.034	1.0	3.0	<0.005	<0.1	0.1	5	<1	0.2	95	<0.1	<0.5	2.7	0.043
3482924	Drill Core	0.77	72	0.1	5.390	0.8	11.1	0.033	1.0	2.3	<0.005	<0.1	0.1	3	<1	0.2	74	<0.1	<0.5	3.3	0.037
3482925	Rock	0.03	43	0.2	8.030	<0.1	0.6	<0.001	5.0	60.4	<0.005	<0.1	0.1	<1	<1	<0.1	29	<0.1	<0.5	0.1	<0.001
3482926	Drill Core	1.43	197	0.7	6.316	1.2	13.5	0.021	1.2	2.6	<0.005	<0.1	0.2	5	<1	0.3	64	0.1	<0.5	3.6	0.050
3482927	Drill Core	1.61	243	1.3	5.975	2.0	15.2	0.028	1.1	4.5	<0.005	<0.1	0.1	5	<1	0.3	71	0.2	0.7	6.5	0.066
3482928	Drill Core	1.47	85	1.2	5.553	2.4	26.6	0.058	1.6	2.9	<0.005	<0.1	0.2	6	1	0.4	58	0.2	<0.5	7.2	0.085
3482929	Drill Core	1.56	68	0.5	5.419	2.1	18.2	0.052	1.4	2.1	<0.005	<0.1	0.2	5	<1	0.4	40	0.2	<0.5	5.9	0.079
3482930	Drill Core	1.91	275	0.6	6.471	2.0	25.0	0.051	2.5	1.8	<0.005	0.3	0.5	4	<1	0.4	61	0.2	0.5	6.6	0.074

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Bureau Veritas Commodities Canada Ltd.

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 07, 2020

CERTIFICATE OF ANALYSIS TIM19002762.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3482901	Drill Core	<0.5	2.3	48	0.8	7.7	9	116.2
3482902	Drill Core	<0.5	1.6	52	0.4	4.1	9	89.4
3482903	Drill Core	<0.5	2.4	47	1.4	7.1	22	142.0
3482904	Drill Core	<0.5	2.2	46	0.8	5.9	10	81.6
3482905	Drill Core	<0.5	1.1	39	0.4	4.9	32	64.3
3482906	Drill Core	<0.5	1.3	39	0.5	3.7	3	54.8
3482907	Drill Core	<0.5	1.2	31	0.4	4.6	1	58.5
3482908	Drill Core	<0.5	2.0	54	0.5	8.2	9	93.7
3482909	Drill Core	<0.5	1.5	44	0.3	7.2	65	80.0
3482910	Drill Core	<0.5	3.1	70	0.5	8.2	4	160.8
3482911	Drill Core	<0.5	2.0	64	0.3	6.3	3	93.7
3482912	Drill Core	<0.5	0.9	32	0.1	3.4	2	49.4
3482913	Drill Core	<0.5	0.7	35	0.2	2.7	2	49.3
3482914	Drill Core	<0.5	0.9	42	0.3	4.6	2	58.6
3482915	Drill Core	<0.5	1.2	35	0.4	7.1	1	59.1
3482916	Drill Core	<0.5	1.8	48	0.6	10.2	3	93.9
3482917	Drill Core	<0.5	1.4	33	0.6	7.4	2	74.9
3482918	Drill Core	<0.5	2.1	41	0.8	8.6	1	122.1
3482919	Drill Core	<0.5	1.8	39	0.7	8.3	2	113.5
3482920	Rock Pulp	<0.5	1.0	162	1.2	20.2	109	117.3
3482921	Drill Core	<0.5	2.4	42	0.9	9.5	1	151.6
3482922	Drill Core	<0.5	1.4	42	0.3	6.5	2	95.4
3482923	Drill Core	<0.5	0.6	32	0.3	3.5	1	58.1
3482924	Drill Core	<0.5	0.7	21	0.5	4.6	1	58.4
3482925	Rock	0.7	0.1	<1	<0.1	1.7	3	10.4
3482926	Drill Core	<0.5	0.9	30	1.1	6.0	1	65.8
3482927	Drill Core	<0.5	1.6	28	1.4	9.9	1	109.6
3482928	Drill Core	<0.5	1.9	46	1.1	9.1	2	162.4
3482929	Drill Core	<0.5	1.4	43	1.8	7.1	2	139.1
3482930	Drill Core	<0.5	1.5	33	3.7	7.2	2	125.7

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 07, 2020

CERTIFICATE OF ANALYSIS TIM19002762.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3482931	Drill Core	3.31	0.005	<0.1	7.27	4	67	2	<0.1	2.32	<0.1	75	14.5	32	3.0	1.30	1.9	<0.05	0.33	36.5	7.0
3482932	Drill Core	4.74	<0.005	<0.1	7.30	1	52	1	<0.1	2.53	<0.1	45	2.9	23	1.7	0.98	2.2	<0.05	0.37	21.3	6.5
3482933	Drill Core	3.19	<0.005	<0.1	6.65	1	49	<1	<0.1	2.25	<0.1	20	2.0	16	1.4	0.88	1.5	<0.05	0.27	8.7	3.9
3482934	Drill Core	5.08	<0.005	<0.1	6.03	3	78	2	<0.1	1.53	<0.1	46	3.4	16	3.3	0.68	1.4	<0.05	0.29	20.9	2.7
3482935	Drill Core	3.81	<0.005	<0.1	6.29	4	118	2	<0.1	1.28	<0.1	80	3.8	22	2.7	0.80	1.5	<0.05	0.29	40.7	4.1
3482936	Drill Core	3.79	<0.005	<0.1	6.62	2	134	2	<0.1	1.53	<0.1	39	2.4	23	5.8	0.76	1.7	<0.05	0.35	19.8	4.0
3482937	Drill Core	6.13	<0.005	<0.1	6.19	4	326	3	<0.1	0.57	<0.1	30	10.0	41	2.0	1.26	2.9	<0.05	0.65	13.3	15.8
3482938	Drill Core	4.79	0.006	<0.1	5.35	2	73	1	<0.1	0.66	<0.1	14	6.0	27	3.4	0.74	2.4	<0.05	0.28	6.8	5.7
3482939	Drill Core	5.95	<0.005	<0.1	5.05	1	170	3	<0.1	0.47	<0.1	59	5.3	23	3.2	0.87	1.6	<0.05	0.43	26.8	8.4
3482940	Rock Pulp	0.07	0.528	0.1	7.57	4	135	<1	<0.1	6.93	0.1	9	44.0	161	143.1	7.63	1.5	<0.05	0.22	3.3	12.7
3482941	Drill Core	4.69	<0.005	<0.1	5.09	3	171	2	<0.1	0.35	<0.1	31	8.7	49	4.8	1.09	2.5	<0.05	0.45	13.6	10.8
3482942	Drill Core	4.52	<0.005	<0.1	4.58	4	118	1	<0.1	0.41	<0.1	16	4.8	31	11.1	0.85	1.7	<0.05	0.38	6.4	8.0
3482943	Drill Core	3.37	<0.005	<0.1	4.59	3	94	1	<0.1	0.43	<0.1	14	6.0	36	2.9	0.73	1.9	<0.05	0.32	5.8	6.0
3482944	Drill Core	6.20	<0.005	<0.1	4.92	2	143	3	<0.1	0.69	<0.1	35	9.3	39	3.7	1.14	2.0	<0.05	0.46	14.6	10.5
3482945	Drill Core	5.51	<0.005	<0.1	5.35	3	129	2	<0.1	0.56	<0.1	26	12.8	49	6.8	1.26	2.6	<0.05	0.48	11.4	12.8
3482946	Drill Core	4.63	<0.005	<0.1	4.76	2	118	2	<0.1	0.62	<0.1	15	7.7	35	4.4	1.02	1.7	<0.05	0.38	5.6	8.5
3482947	Drill Core	4.13	<0.005	<0.1	5.13	2	166	<1	<0.1	0.50	<0.1	13	8.0	53	2.8	1.00	2.2	<0.05	0.51	5.0	10.2
3482948	Drill Core	5.09	<0.005	<0.1	6.39	2	189	1	<0.1	0.96	<0.1	19	7.0	35	4.6	0.98	2.1	<0.05	0.50	8.6	8.3
3482949	Drill Core	5.69	<0.005	<0.1	5.76	4	161	2	<0.1	0.60	<0.1	36	10.5	31	3.5	1.10	1.9	<0.05	0.57	16.4	11.3
3482950	Drill Core	0.20	<0.005	<0.1	8.64	2	17	1	<0.1	0.16	<0.1	1	<0.2	1	0.8	0.26	0.3	<0.05	3.84	0.4	21.2

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145 Wellington St. West, Suite 1001
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Project: SPJ
Report Date: January 07, 2020

CERTIFICATE OF ANALYSIS TIM19002762.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3482931	Drill Core	2.59	279	0.3	5.171	1.4	23.3	0.041	1.2	8.6	<0.005	0.1	0.3	6	1	0.3	69	0.1	0.5	5.1	0.057
3482932	Drill Core	2.10	327	0.5	6.194	1.4	10.9	0.036	0.9	2.6	<0.005	<0.1	0.1	4	<1	0.4	67	0.1	0.5	3.8	0.058
3482933	Drill Core	1.79	298	0.3	5.667	0.8	10.2	0.036	0.8	2.1	<0.005	<0.1	0.1	3	<1	0.2	64	<0.1	0.6	2.5	0.036
3482934	Drill Core	1.05	186	0.3	5.224	0.8	9.6	0.027	1.2	3.6	<0.005	<0.1	0.2	4	<1	0.2	68	<0.1	<0.5	2.9	0.035
3482935	Drill Core	1.08	142	0.3	5.407	0.9	13.7	0.034	1.0	3.7	<0.005	<0.1	0.2	4	<1	0.2	84	<0.1	<0.5	3.8	0.038
3482936	Drill Core	1.09	169	0.5	5.715	0.9	10.7	0.032	1.0	3.9	<0.005	<0.1	0.1	5	<1	0.4	76	<0.1	<0.5	5.4	0.042
3482937	Drill Core	1.83	64	0.2	4.615	1.3	34.4	0.056	1.2	14.0	<0.005	<0.1	0.2	8	<1	0.8	98	0.1	<0.5	5.4	0.063
3482938	Drill Core	0.94	74	0.3	5.125	1.3	16.2	0.038	1.0	2.4	<0.005	<0.1	0.1	4	<1	0.3	61	0.1	<0.5	3.8	0.056
3482939	Drill Core	1.37	54	0.2	4.239	1.1	22.6	0.032	1.0	7.4	<0.005	<0.1	0.1	5	<1	0.3	113	<0.1	<0.5	3.0	0.039
3482940	Rock Pulp	4.37	1483	0.6	2.127	3.4	97.1	0.036	2.6	3.8	<0.005	0.1	0.3	39	<1	0.6	102	0.2	1.9	0.3	0.692
3482941	Drill Core	1.41	50	0.5	4.809	1.4	24.3	0.053	1.0	4.7	<0.005	<0.1	0.2	7	<1	0.4	89	0.1	0.6	3.3	0.058
3482942	Drill Core	1.21	54	0.3	4.538	1.1	19.2	0.032	0.8	4.7	<0.005	<0.1	0.2	5	<1	0.2	84	<0.1	<0.5	2.2	0.041
3482943	Drill Core	0.94	47	0.4	4.912	1.2	16.0	0.031	0.7	3.2	<0.005	<0.1	0.2	4	<1	0.3	68	0.1	<0.5	2.5	0.047
3482944	Drill Core	1.57	71	0.4	4.554	1.7	29.5	0.031	1.3	5.2	<0.005	<0.1	0.2	6	<1	0.5	89	0.1	<0.5	2.7	0.062
3482945	Drill Core	1.80	64	0.5	4.335	1.7	34.6	0.041	1.2	7.4	<0.005	<0.1	0.2	7	<1	0.5	96	0.2	0.6	3.9	0.063
3482946	Drill Core	1.47	51	0.3	4.501	1.1	23.4	0.038	0.9	4.7	<0.005	<0.1	0.1	6	<1	0.3	97	<0.1	<0.5	2.5	0.045
3482947	Drill Core	1.44	55	0.4	4.801	1.7	26.3	0.059	1.0	5.7	<0.005	<0.1	0.2	7	<1	0.3	90	0.1	0.6	3.3	0.060
3482948	Drill Core	1.62	75	0.3	4.762	1.3	24.0	0.049	1.0	14.8	<0.005	<0.1	0.2	8	1	0.5	110	0.1	<0.5	3.9	0.050
3482949	Drill Core	1.31	82	0.3	4.870	1.3	26.9	0.043	1.5	11.5	<0.005	<0.1	0.3	5	1	0.4	109	0.1	<0.5	3.2	0.054
3482950	Drill Core	0.02	44	0.2	7.763	<0.1	0.5	<0.001	4.7	54.4	<0.005	<0.1	<0.1	<1	<1	<0.1	25	<0.1	<0.5	0.1	<0.001

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Project: SPJ
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CERTIFICATE OF ANALYSIS TIM19002762.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3482931	Drill Core	<0.5	1.4	39	1.6	14.1	3	71.4
3482932	Drill Core	<0.5	0.8	26	2.5	7.0	2	81.5
3482933	Drill Core	<0.5	0.7	23	1.6	5.6	2	52.0
3482934	Drill Core	<0.5	0.7	21	0.6	8.0	1	49.2
3482935	Drill Core	<0.5	0.6	26	0.5	5.3	2	53.3
3482936	Drill Core	<0.5	1.3	29	0.8	5.9	<1	59.6
3482937	Drill Core	<0.5	1.5	51	0.4	6.2	3	104.4
3482938	Drill Core	<0.5	1.2	30	0.5	4.1	2	89.1
3482939	Drill Core	<0.5	1.0	30	0.2	5.1	2	55.1
3482940	Rock Pulp	<0.5	<0.1	318	1.2	19.3	89	42.4
3482941	Drill Core	<0.5	0.7	46	0.4	3.5	3	82.9
3482942	Drill Core	<0.5	0.4	38	0.3	2.9	2	57.3
3482943	Drill Core	<0.5	0.5	32	0.8	2.3	1	69.7
3482944	Drill Core	<0.5	1.1	42	0.3	5.1	4	67.6
3482945	Drill Core	<0.5	1.5	46	0.3	6.3	3	89.8
3482946	Drill Core	<0.5	0.8	35	0.2	3.4	3	59.2
3482947	Drill Core	<0.5	0.9	46	0.3	4.3	3	72.4
3482948	Drill Core	<0.5	1.2	42	0.3	5.7	2	74.1
3482949	Drill Core	<0.5	1.1	34	0.5	5.3	3	65.5
3482950	Drill Core	0.6	0.1	<1	<0.1	1.4	3	14.5

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Project: SPJ
Report Date: January 07, 2020

QUALITY CONTROL REPORT TIM19002762.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
Pulp Duplicates																					
3482885	Drill Core	4.47	<0.005	<0.1	4.95	18	129	2	<0.1	0.62	0.1	50	8.9	26	29.9	0.92	1.0	<0.05	0.43	21.4	4.9
REP 3482885	QC			<0.1	4.87	14	140	1	0.1	0.67	0.1	56	7.8	26	29.5	0.93	1.1	<0.05	0.44	21.4	5.5
3482895	Drill Core	5.34	0.006	<0.1	5.50	22	216	2	0.1	0.70	<0.1	34	10.8	62	31.3	1.07	2.4	<0.05	0.68	13.8	6.9
REP 3482895	QC		<0.005																		
3482919	Drill Core	5.74	<0.005	<0.1	6.30	6	118	2	<0.1	0.95	<0.1	46	8.3	42	10.9	0.82	3.2	<0.05	0.50	21.7	6.2
REP 3482919	QC			<0.1	6.42	6	110	2	<0.1	0.96	<0.1	47	7.3	40	10.6	0.83	3.1	<0.05	0.46	23.0	7.1
3482925	Rock	0.20	<0.005	<0.1	9.76	<1	20	<1	<0.1	0.18	<0.1	1	<0.2	1	0.4	0.29	0.2	<0.05	3.64	0.6	22.7
REP 3482925	QC		<0.005																		
Core Reject Duplicates																					
3482877	Drill Core	4.66	<0.005	<0.1	6.37	11	113	2	<0.1	1.14	<0.1	94	3.0	42	7.3	0.81	2.0	<0.05	0.37	41.3	6.8
DUP 3482877	QC		<0.005	<0.1	6.47	12	114	1	<0.1	1.12	<0.1	106	3.9	44	6.9	0.81	2.3	<0.05	0.37	38.8	5.7
3482911	Drill Core	4.27	<0.005	<0.1	6.30	11	320	2	<0.1	0.47	<0.1	47	9.7	42	2.6	1.18	2.6	<0.05	0.84	22.7	11.6
DUP 3482911	QC		<0.005	<0.1	6.30	9	302	1	<0.1	0.47	<0.1	45	8.8	47	2.5	1.12	2.7	<0.05	0.77	21.5	11.6
3482945	Drill Core	5.51	<0.005	<0.1	5.35	3	129	2	<0.1	0.56	<0.1	26	12.8	49	6.8	1.26	2.6	<0.05	0.48	11.4	12.8
DUP 3482945	QC		<0.005	<0.1	5.21	3	134	2	<0.1	0.55	<0.1	28	12.8	50	6.3	1.26	2.9	<0.05	0.48	12.0	12.2
Reference Materials																					
STD OREAS25A-4A	Standard			<0.1	8.81	8	146	<1	0.3	0.27	<0.1	43	7.8	109	35.3	6.50	3.9	0.09	0.46	21.1	37.4
STD OREAS25A-4A	Standard			<0.1	8.30	10	133	<1	0.3	0.27	<0.1	42	7.3	105	32.6	6.37	3.9	0.10	0.51	18.0	37.2
STD OREAS25A-4A	Standard			<0.1	8.75	10	151	<1	0.3	0.27	<0.1	47	7.8	115	33.8	6.42	4.3	0.09	0.48	20.7	35.3
STD OREAS45H	Standard			0.1	8.51	15	353	1	0.2	0.14	<0.1	24	93.4	625	787.3	20.47	3.3	0.12	0.20	13.8	15.6
STD OREAS45E	Standard			0.3	6.86	16	251	<1	0.3	0.07	<0.1	22	56.1	1085	757.9	23.83	2.7	0.10	0.35	9.5	7.0
STD OREAS45E	Standard			0.3	6.74	17	235	<1	0.2	0.06	<0.1	22	57.6	1048	753.7	23.70	2.6	0.06	0.32	9.5	6.8
STD OXC145	Standard		0.207																		
STD OXC145	Standard		0.199																		
STD OXC145	Standard		0.215																		
STD OXH139	Standard		1.267																		
STD OXH139	Standard		1.247																		
STD OXH139	Standard		1.291																		

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 07, 2020

QUALITY CONTROL REPORT TIM19002762.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
Pulp Duplicates																					
3482885	Drill Core	1.14	76	0.4	4.980	0.7	27.9	0.042	14.4	7.9	<0.005	0.1	0.3	3	1	0.2	81	<0.1	0.6	2.1	0.033
REP 3482885	QC	1.22	79	0.3	5.147	0.7	29.9	0.044	15.6	13.2	<0.005	0.1	0.3	4	<1	0.3	80	<0.1	<0.5	2.4	0.034
3482895	Drill Core	1.54	63	1.0	4.956	1.8	29.9	0.057	5.5	15.7	<0.005	0.1	0.3	7	<1	0.3	103	0.2	0.7	4.9	0.068
REP 3482895	QC																				
3482919	Drill Core	1.28	89	0.4	4.940	1.5	21.5	0.064	1.3	14.9	<0.005	<0.1	0.2	7	<1	0.4	106	0.2	<0.5	7.9	0.070
REP 3482919	QC	1.31	92	0.4	5.001	1.7	21.0	0.060	1.2	15.1	<0.005	<0.1	0.2	7	1	0.4	100	0.2	<0.5	7.5	0.075
3482925	Rock	0.03	43	0.2	8.030	<0.1	0.6	<0.001	5.0	60.4	<0.005	<0.1	0.1	<1	<1	<0.1	29	<0.1	<0.5	0.1	<0.001
REP 3482925	QC																				
Core Reject Duplicates																					
3482877	Drill Core	1.48	90	0.8	5.888	1.3	21.3	0.041	1.8	7.7	<0.005	<0.1	0.1	8	<1	0.3	101	0.1	<0.5	5.1	0.047
DUP 3482877	QC	1.46	92	0.6	5.890	1.3	20.5	0.040	1.8	8.0	<0.005	<0.1	0.2	9	<1	0.3	94	0.1	<0.5	5.3	0.045
3482911	Drill Core	2.04	50	0.4	4.842	1.6	32.6	0.051	1.8	24.1	<0.005	<0.1	0.1	10	1	0.5	120	0.2	<0.5	7.4	0.096
DUP 3482911	QC	2.02	45	0.2	4.770	1.6	30.8	0.050	1.8	25.2	<0.005	<0.1	0.1	9	<1	0.5	110	0.2	0.5	6.1	0.092
3482945	Drill Core	1.80	64	0.5	4.335	1.7	34.6	0.041	1.2	7.4	<0.005	<0.1	0.2	7	<1	0.5	96	0.2	0.6	3.9	0.063
DUP 3482945	QC	1.76	61	0.4	4.542	1.7	35.4	0.048	1.4	7.5	<0.005	<0.1	0.2	8	<1	0.4	101	0.2	<0.5	4.0	0.062
Reference Materials																					
STD OREAS25A-4A	Standard	0.31	479	2.2	0.131	19.3	42.4	0.046	24.2	55.1	<0.005	<0.1	0.6	12	3	4.1	42	1.4	<0.5	14.0	0.938
STD OREAS25A-4A	Standard	0.26	469	2.2	0.121	19.8	43.6	0.045	21.3	58.8	<0.005	<0.1	0.6	11	4	3.5	41	1.4	<0.5	12.0	0.978
STD OREAS25A-4A	Standard	0.27	474	2.3	0.118	19.6	48.2	0.046	22.7	62.9	<0.005	<0.1	0.6	12	3	3.5	42	1.4	<0.5	14.4	0.921
STD OREAS45H	Standard	0.26	418	1.5	0.085	14.3	440.3	0.023	12.9	24.2	<0.005	<0.1	0.6	60	2	2.0	28	1.0	<0.5	7.7	0.920
STD OREAS45E	Standard	0.13	600	2.3	0.047	6.5	476.7	0.036	16.7	21.5	<0.005	<0.1	0.9	88	3	1.1	15	0.5	<0.5	11.1	0.567
STD OREAS45E	Standard	0.13	582	2.3	0.051	6.4	464.7	0.034	16.6	20.6	<0.005	<0.1	0.8	89	3	1.1	14	0.5	<0.5	11.7	0.512
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 07, 2020

QUALITY CONTROL REPORT TIM19002762.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
Pulp Duplicates								
3482885	Drill Core	<0.5	0.6	27	0.4	4.8	30	39.7
REP 3482885	QC	<0.5	0.9	26	0.5	4.9	35	41.2
3482895	Drill Core	<0.5	1.6	40	0.8	4.6	21	85.3
REP 3482895	QC							
3482919	Drill Core	<0.5	1.8	39	0.7	8.3	2	113.5
REP 3482919	QC	<0.5	1.7	40	0.6	8.5	1	115.8
3482925	Rock	0.7	0.1	<1	<0.1	1.7	3	10.4
REP 3482925	QC							
Core Reject Duplicates								
3482877	Drill Core	<0.5	2.1	55	0.7	8.5	2	76.3
DUP 3482877	QC	<0.5	2.3	56	0.8	9.2	2	71.3
3482911	Drill Core	<0.5	2.0	64	0.3	6.3	3	93.7
DUP 3482911	QC	<0.5	2.1	62	0.3	6.0	3	95.5
3482945	Drill Core	<0.5	1.5	46	0.3	6.3	3	89.8
DUP 3482945	QC	<0.5	1.6	45	0.3	6.3	5	95.4
Reference Materials								
STD OREAS25A-4A	Standard	<0.5	2.7	159	1.7	9.5	43	141.6
STD OREAS25A-4A	Standard	<0.5	2.3	155	1.9	9.4	45	143.0
STD OREAS25A-4A	Standard	<0.5	2.4	154	1.9	9.8	43	152.3
STD OREAS45H	Standard	<0.5	1.8	288	0.9	10.2	44	122.5
STD OREAS45E	Standard	<0.5	2.2	329	0.9	6.7	48	89.7
STD OREAS45E	Standard	<0.5	2.1	318	1.0	7.5	53	91.2
STD OXC145	Standard							
STD OXC145	Standard							
STD OXC145	Standard							
STD OXH139	Standard							
STD OXH139	Standard							
STD OXH139	Standard							

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 07, 2020

QUALITY CONTROL REPORT TIM19002762.1

		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
STD OXN134	Standard		7.495																		
STD OXN134	Standard		7.371																		
STD OXN134	Standard		7.791																		
STD OREAS45H Expected				0.147	7.99	16.9	332	1.09	0.17	0.135		23.6	88	602	767	19.52	3.6	0.1	0.205	12.4	13.1
STD OREAS25A-4A Expected					8.87	9.94	147	0.93	0.37	0.301		47.3	7.7	115	33.9	6.6	4.14	0.09	0.482	21.8	36.7
STD OREAS45E Expected				0.311	6.78	16.3	252		0.28	0.065	0.06	23.5	57	979	780	24.12	3.11	0.099	0.324	11	6.58
STD OXC145 Expected			0.212																		
STD OXN134 Expected			7.667																		
STD OXH139 Expected			1.312																		
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
Prep Wash																					
ROCK-TIM	Prep Blank		<0.005	<0.1	6.75	1	683	<1	<0.1	1.56	<0.1	23	4.3	3	4.8	2.25	1.5	<0.05	1.46	10.9	1.9
ROCK-TIM	Prep Blank		<0.005	<0.1	7.13	1	699	<1	<0.1	1.55	<0.1	25	4.2	3	5.5	2.28	1.7	<0.05	1.52	11.9	1.8

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Bureau Veritas Commodities Canada Ltd.

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 07, 2020

QUALITY CONTROL REPORT TIM19002762.1

		MA200 Mg % 0.01	MA200 Mn ppm 1	MA200 Mo ppm 0.1	MA200 Na % 0.001	MA200 Nb ppm 0.1	MA200 Ni ppm 0.1	MA200 P % 0.001	MA200 Pb ppm 0.1	MA200 Rb ppm 0.1	MA200 Re ppm 0.005	MA200 S % 0.1	MA200 Sb ppm 0.1	MA200 Sc ppm 1	MA200 Se ppm 1	MA200 Sn ppm 0.1	MA200 Sr ppm 1	MA200 Ta ppm 0.1	MA200 Te ppm 0.5	MA200 Th ppm 0.1	MA200 Ti % 0.001
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OREAS45H Expected		0.238	380	1.55	0.09	14.8	423	0.023	11.9	22.5			0.63	57	2.02	1.93	27.1	1.08		7.26	0.878
STD OREAS25A-4A Expected		0.327	480	2.41	0.131	20.9	45.8	0.048	25.2	61		0.047	0.65	13.7	2.4	4.06	48.5	1.4		15.8	0.93
STD OREAS45E Expected		0.156	570	2.4	0.059	6.8	454	0.034	18.2	21.2		0.046	1	93	2.97	1.32	15.9	0.54	0.1	12.9	0.559
STD OXC145 Expected																					
STD OXN134 Expected																					
STD OXH139 Expected																					
BLK	Blank	<0.01	<1	<0.1	0.005	<0.1	0.1	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	<0.001	<0.1	0.1	<0.001	0.1	0.2	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<1	<0.1	0.002	<0.1	0.2	<0.001	<0.1	0.4	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-TIM	Prep Blank	0.61	736	1.2	3.490	5.6	1.6	0.042	2.3	28.5	<0.005	<0.1	<0.1	8	<1	0.7	197	0.4	<0.5	2.7	0.183
ROCK-TIM	Prep Blank	0.61	734	1.1	3.502	5.5	1.6	0.045	2.3	27.0	<0.005	<0.1	<0.1	7	<1	0.8	211	0.4	<0.5	2.6	0.180

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Bureau Veritas Commodities Canada Ltd.
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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 07, 2020

QUALITY CONTROL REPORT TIM19002762.1

		MA200 Tl ppm 0.5	MA200 U ppm 0.1	MA200 V ppm 1	MA200 W ppm 0.1	MA200 Y ppm 0.1	MA200 Zn ppm 1	MA200 Zr ppm 0.1
STD OXN134	Standard							
STD OXN134	Standard							
STD OXN134	Standard							
STD OREAS45H Expected			1.68	263	0.99	10.4	39.7	131
STD OREAS25A-4A Expected		0.35	2.94	157	2	10.5	44.4	155
STD OREAS45E Expected		0.15	2.41	322	1.07	8.28	46.7	97
STD OXC145 Expected								
STD OXN134 Expected								
STD OXH139 Expected								
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	0.1
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1
BLK	Blank							
BLK	Blank							
Prep Wash								
ROCK-TIM	Prep Blank	<0.5	1.1	40	0.3	15.6	39	49.1
ROCK-TIM	Prep Blank	<0.5	1.1	39	0.3	14.8	39	52.9

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By:	Quentin Yarie
Receiving Lab:	Canada-Timmins
Received:	December 02, 2019
Analysis Start:	December 30, 2019
Report Date:	January 09, 2020
Page:	1 of 4

CERTIFICATE OF ANALYSIS TIM19002763.1

CLIENT JOB INFORMATION

Project:	SPJ
Shipment ID:	
P.O. Number	
Number of Samples:	90

SAMPLE DISPOSAL

RTRN-PLP	Return After 90 days
RTRN-RJT	Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP85-500	85	Crush split and pulverize 250g of sample to 200mesh			TIM
SHP01	90	Per sample shipping charges for branch shipments			TIM
SLBHP	5	Sort, label and box pulps			TIM
FA450	90	50g Lead Collection Fire Assay Fusion - AAS Finish	50	Completed	TIM
EN002	90	Environmental disposal charge-Fire assay lead waste			TIM
MA200	90	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
EN001-MA	90	Environmental disposal fee - Multi-acid neutralization			VAN

ADDITIONAL COMMENTS

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
Marcus Lau
MARCUS LAU
Production Manager

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All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 09, 2020

CERTIFICATE OF ANALYSIS TIM19002763.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3483051	Drill Core	4.75	<0.005	<0.1	6.27	<1	143	2	<0.1	0.42	<0.1	50	6.4	36	2.9	1.23	2.0	<0.05	0.36	23.6	10.3
3483052	Drill Core	3.80	<0.005	<0.1	6.02	1	163	1	<0.1	0.94	<0.1	64	7.2	29	4.6	0.92	2.2	<0.05	0.36	29.7	5.5
3483053	Drill Core	4.74	<0.005	<0.1	5.89	<1	127	1	<0.1	0.41	<0.1	21	6.1	28	1.9	1.15	1.8	<0.05	0.26	9.3	7.4
3483054	Drill Core	5.22	<0.005	<0.1	5.26	2	87	2	<0.1	0.44	<0.1	8	9.5	41	2.2	1.12	2.5	<0.05	0.28	3.6	7.5
3483055	Drill Core	4.46	<0.005	<0.1	5.24	2	105	2	<0.1	0.50	<0.1	24	8.3	33	7.9	1.04	1.9	<0.05	0.27	10.2	6.6
3483056	Drill Core	6.13	<0.005	<0.1	5.96	1	137	1	0.2	0.72	<0.1	37	4.6	24	2.1	0.96	1.5	<0.05	0.37	15.6	5.4
3483057	Drill Core	4.10	<0.005	<0.1	5.68	1	128	1	<0.1	0.59	<0.1	19	4.9	24	2.0	1.09	1.3	<0.05	0.37	7.9	6.1
3483058	Drill Core	4.83	<0.005	<0.1	6.12	1	121	1	<0.1	0.60	<0.1	14	7.1	29	2.0	0.96	1.6	<0.05	0.34	5.8	5.6
3483059	Drill Core	3.98	<0.005	<0.1	6.00	6	135	<1	<0.1	0.67	<0.1	7	6.8	25	6.2	0.91	1.4	<0.05	0.43	3.2	7.8
3483060	Rock Pulp	0.07	5.504	0.9	6.28	18	210	<1	0.4	5.37	<0.1	11	41.5	251	135.0	7.24	1.4	0.07	0.45	4.9	18.4
3483061	Drill Core	3.86	0.076	<0.1	6.91	8	73	1	0.1	2.13	<0.1	35	10.4	25	8.1	0.90	2.1	<0.05	0.28	16.3	3.0
3483062	Drill Core	3.20	<0.005	<0.1	6.71	8	52	2	<0.1	2.27	<0.1	62	5.6	39	8.0	1.00	3.0	<0.05	0.30	27.7	3.1
3483063	Drill Core	3.76	0.006	<0.1	7.03	14	71	2	0.2	2.72	<0.1	45	19.9	53	23.1	1.45	3.2	<0.05	0.48	19.6	5.0
3483064	Drill Core	3.12	0.008	<0.1	7.11	22	116	2	0.2	1.92	<0.1	45	21.4	53	17.9	1.44	3.1	<0.05	0.64	19.8	6.2
3483065	Drill Core	3.95	<0.005	<0.1	7.44	11	61	1	<0.1	2.49	<0.1	48	6.9	37	2.5	1.05	2.8	<0.05	0.29	20.6	3.6
3483066	Drill Core	4.27	0.008	<0.1	7.11	19	56	3	<0.1	3.77	0.1	46	12.1	58	43.1	1.51	3.1	<0.05	0.30	19.9	2.9
3483067	Drill Core	4.41	0.011	<0.1	6.81	9	43	1	<0.1	3.93	<0.1	29	10.3	39	9.1	1.37	3.1	<0.05	0.24	13.6	2.3
3483068	Drill Core	3.57	0.008	<0.1	6.47	9	58	1	<0.1	2.18	0.3	29	7.2	35	23.6	1.08	2.1	<0.05	0.30	13.2	3.1
3483069	Drill Core	3.38	0.050	<0.1	6.74	14	22	<1	<0.1	4.01	<0.1	21	17.6	37	1.9	1.25	2.2	<0.05	0.12	9.1	0.6
3483070	Drill Core	3.77	0.184	<0.1	6.37	12	43	2	<0.1	3.55	<0.1	40	21.3	42	10.6	1.27	2.9	<0.05	0.25	16.4	1.8
3483071	Drill Core	3.31	0.009	<0.1	6.99	7	105	2	<0.1	3.30	<0.1	57	14.5	72	22.2	2.20	3.7	<0.05	1.00	25.1	6.2
3483072	Drill Core	4.39	<0.005	<0.1	7.10	4	154	2	<0.1	3.26	<0.1	55	14.8	90	21.5	3.06	3.4	0.08	1.56	23.7	9.4
3483073	Drill Core	3.50	<0.005	<0.1	7.09	10	140	2	<0.1	2.31	<0.1	36	19.2	88	19.9	2.68	3.6	<0.05	1.51	15.8	9.5
3483074	Drill Core	5.72	0.009	<0.1	6.56	6	61	1	<0.1	2.46	<0.1	20	13.5	32	4.0	1.06	1.8	<0.05	0.24	8.8	1.6
3483075	Rock	0.19	<0.005	<0.1	9.01	<1	17	<1	<0.1	0.16	<0.1	1	<0.2	1	0.7	0.22	0.3	<0.05	4.09	0.5	24.4
3483076	Drill Core	6.06	0.006	<0.1	7.66	10	68	2	<0.1	1.39	<0.1	39	12.8	69	13.3	1.69	3.6	<0.05	0.79	16.6	7.0
3483077	Drill Core	4.19	0.020	<0.1	6.86	8	60	1	<0.1	3.00	<0.1	18	10.6	63	9.0	1.61	3.6	<0.05	0.57	7.5	4.5
3483078	Drill Core	4.87	0.005	<0.1	6.59	16	102	3	0.1	2.49	<0.1	30	17.3	67	35.2	2.16	3.5	<0.05	1.11	14.5	8.7
3483079	Drill Core	4.59	0.042	<0.1	7.05	3	31	1	<0.1	3.52	<0.1	30	6.5	43	2.5	1.22	3.7	<0.05	0.20	15.1	1.4
3483080	Rock Pulp	0.07	0.508	0.2	7.30	4	144	<1	<0.1	6.92	<0.1	10	45.5	183	147.9	7.95	1.8	<0.05	0.19	4.1	10.8

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BUREAU VERITAS MINERAL LABORATORIES Canada

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 09, 2020

CERTIFICATE OF ANALYSIS TIM19002763.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3483051	Drill Core	1.50	51	0.2	4.662	0.9	28.4	0.041	1.2	10.4	<0.005	<0.1	0.2	6	2	0.2	103	<0.1	<0.5	4.3	0.048
3483052	Drill Core	0.98	66	0.2	4.879	0.7	20.1	0.041	1.6	5.9	<0.005	<0.1	0.2	4	1	<0.1	112	<0.1	<0.5	3.7	0.036
3483053	Drill Core	1.34	43	0.7	4.860	0.7	22.4	0.031	1.0	3.7	<0.005	<0.1	0.2	5	<1	0.1	86	<0.1	<0.5	3.1	0.035
3483054	Drill Core	1.25	43	0.4	5.029	0.8	25.2	0.049	0.9	2.5	<0.005	<0.1	0.1	6	<1	<0.1	79	<0.1	<0.5	4.2	0.041
3483055	Drill Core	1.12	59	0.8	5.108	0.7	19.6	0.031	1.0	1.9	<0.005	<0.1	0.2	4	1	<0.1	75	<0.1	<0.5	2.6	0.035
3483056	Drill Core	1.04	65	0.2	4.672	0.5	16.6	0.033	0.9	5.7	<0.005	<0.1	0.2	5	<1	<0.1	100	<0.1	<0.5	2.5	0.030
3483057	Drill Core	1.13	51	0.4	4.591	0.6	18.2	0.025	1.0	5.6	<0.005	<0.1	0.1	4	<1	<0.1	100	<0.1	<0.5	2.4	0.035
3483058	Drill Core	1.00	45	0.3	4.819	0.6	16.0	0.032	0.9	5.8	<0.005	<0.1	0.2	5	1	0.2	103	<0.1	<0.5	3.0	0.034
3483059	Drill Core	0.99	59	0.2	4.636	0.6	19.4	0.034	0.8	9.5	<0.005	<0.1	0.1	4	1	<0.1	106	<0.1	<0.5	2.5	0.037
3483060	Rock Pulp	4.03	1231	3.0	1.869	3.2	120.2	0.041	15.5	13.7	<0.005	0.4	0.4	33	1	0.3	104	0.2	0.5	1.0	0.585
3483061	Drill Core	1.28	153	0.3	5.375	0.8	14.3	0.036	1.0	9.7	<0.005	0.1	0.1	5	1	0.1	70	<0.1	<0.5	6.3	0.039
3483062	Drill Core	1.44	189	0.4	5.242	1.4	18.4	0.041	1.5	9.3	<0.005	<0.1	0.1	5	1	<0.1	51	0.1	<0.5	7.3	0.058
3483063	Drill Core	1.94	254	0.3	5.522	1.9	28.9	0.049	2.4	15.3	<0.005	0.3	0.3	8	1	0.5	54	0.2	<0.5	8.3	0.088
3483064	Drill Core	1.81	151	0.6	5.319	2.0	47.5	0.039	3.0	30.9	<0.005	0.2	0.2	10	1	0.3	61	0.2	<0.5	8.6	0.098
3483065	Drill Core	1.52	230	0.5	6.251	1.3	19.1	0.027	1.1	6.7	<0.005	<0.1	0.1	7	1	0.1	58	0.1	<0.5	7.3	0.054
3483066	Drill Core	2.26	329	0.5	5.642	2.6	44.4	0.032	7.7	8.6	<0.005	0.2	0.6	10	<1	0.6	64	0.2	0.6	7.5	0.100
3483067	Drill Core	2.08	345	0.3	5.727	2.2	23.6	0.019	1.4	5.7	<0.005	0.1	0.3	6	1	0.4	50	0.2	<0.5	6.9	0.083
3483068	Drill Core	1.28	170	0.4	5.222	1.2	24.5	0.034	26.7	12.4	<0.005	0.1	0.2	6	2	0.2	56	<0.1	<0.5	5.0	0.055
3483069	Drill Core	1.95	343	0.3	6.209	1.7	20.4	0.026	1.0	0.4	<0.005	0.2	0.2	4	1	0.2	45	0.2	0.7	4.6	0.055
3483070	Drill Core	1.91	305	1.1	5.218	2.2	27.3	0.041	3.4	6.3	<0.005	0.2	0.2	6	1	0.3	52	0.2	0.9	5.7	0.083
3483071	Drill Core	1.97	153	0.9	4.812	4.6	43.9	0.050	12.3	61.4	0.008	0.2	0.2	11	<1	1.0	69	0.4	<0.5	9.8	0.215
3483072	Drill Core	2.61	123	0.7	4.352	6.9	52.0	0.050	10.6	131.8	<0.005	0.2	0.3	13	1	0.9	72	0.6	0.7	10.6	0.282
3483073	Drill Core	2.52	156	0.8	4.831	5.4	61.6	0.055	4.1	89.4	<0.005	0.3	0.4	13	<1	1.0	60	0.5	<0.5	9.5	0.274
3483074	Drill Core	1.35	196	0.4	5.227	1.3	16.5	0.030	1.5	6.2	<0.005	<0.1	0.2	5	<1	0.2	53	0.1	<0.5	5.7	0.059
3483075	Rock	0.03	39	0.2	7.349	<0.1	0.5	<0.001	5.1	58.3	<0.005	<0.1	0.1	<1	<1	<0.1	29	<0.1	<0.5	0.2	<0.001
3483076	Drill Core	1.87	128	1.0	6.065	2.9	39.1	0.046	2.4	29.8	<0.005	0.2	0.4	9	<1	0.5	45	0.3	<0.5	8.8	0.155
3483077	Drill Core	2.11	278	0.9	5.510	2.8	28.7	0.051	2.7	18.2	<0.005	0.1	0.2	8	2	0.4	47	0.3	<0.5	8.5	0.123
3483078	Drill Core	2.71	213	0.8	5.324	4.3	56.8	0.045	4.8	44.0	<0.005	0.2	0.8	11	<1	1.3	55	0.4	1.0	9.0	0.191
3483079	Drill Core	1.84	340	0.6	7.403	3.0	15.0	0.033	1.8	1.7	<0.005	<0.1	0.3	5	<1	0.6	46	0.3	0.7	10.6	0.098
3483080	Rock Pulp	4.30	1408	0.7	2.346	3.5	93.5	0.041	3.3	4.3	<0.005	0.1	0.5	44	<1	0.6	117	0.2	1.7	0.5	0.680

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 09, 2020

CERTIFICATE OF ANALYSIS TIM19002763.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3483051	Drill Core	<0.5	1.8	42	0.3	6.0	3	73.5
3483052	Drill Core	<0.5	0.9	28	0.4	5.5	2	75.5
3483053	Drill Core	<0.5	0.9	38	0.2	4.5	2	63.3
3483054	Drill Core	<0.5	0.8	42	0.2	4.2	2	96.2
3483055	Drill Core	<0.5	0.8	32	0.4	3.3	2	69.4
3483056	Drill Core	<0.5	0.8	28	0.1	4.4	2	55.3
3483057	Drill Core	<0.5	0.7	29	<0.1	3.3	2	49.7
3483058	Drill Core	<0.5	0.8	30	0.2	3.4	1	56.0
3483059	Drill Core	<0.5	0.6	30	0.3	2.9	2	47.9
3483060	Rock Pulp	<0.5	0.2	277	5.0	18.3	82	46.2
3483061	Drill Core	<0.5	2.0	30	0.8	7.1	<1	79.1
3483062	Drill Core	<0.5	1.7	38	1.0	8.5	<1	105.1
3483063	Drill Core	<0.5	2.6	56	1.6	11.6	1	122.9
3483064	Drill Core	<0.5	2.3	68	0.8	9.3	2	107.5
3483065	Drill Core	<0.5	1.8	38	1.0	8.1	<1	105.5
3483066	Drill Core	<0.5	2.2	68	3.2	13.0	24	119.8
3483067	Drill Core	<0.5	1.7	43	2.8	8.1	2	108.0
3483068	Drill Core	<0.5	1.9	36	0.8	7.6	83	70.4
3483069	Drill Core	<0.5	1.3	26	2.3	6.0	<1	85.2
3483070	Drill Core	<0.5	1.8	41	1.6	11.3	2	106.6
3483071	Drill Core	<0.5	2.3	79	0.6	13.1	3	125.4
3483072	Drill Core	<0.5	3.0	95	0.2	11.6	5	117.4
3483073	Drill Core	<0.5	2.6	105	0.5	9.9	3	124.4
3483074	Drill Core	<0.5	9.6	32	1.0	5.8	<1	70.3
3483075	Rock	0.7	0.1	<1	<0.1	1.7	2	16.7
3483076	Drill Core	<0.5	4.7	72	1.1	9.7	2	131.6
3483077	Drill Core	<0.5	3.7	61	1.5	9.3	1	128.4
3483078	Drill Core	<0.5	2.8	87	1.2	13.4	3	120.0
3483079	Drill Core	<0.5	5.8	36	3.7	9.6	<1	140.7
3483080	Rock Pulp	<0.5	0.1	314	1.3	24.2	81	50.6

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 09, 2020

CERTIFICATE OF ANALYSIS TIM19002763.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3483081	Drill Core	5.80	0.031	<0.1	6.82	3	23	<1	<0.1	4.08	<0.1	40	5.5	43	2.6	1.13	3.9	<0.05	0.20	19.6	1.7
3483082	Drill Core	5.90	0.012	<0.1	7.52	2	28	<1	<0.1	4.55	<0.1	39	4.5	44	1.6	1.40	3.7	<0.05	0.21	17.7	2.1
3483083	Drill Core	6.26	0.014	<0.1	6.69	19	82	2	0.2	3.33	<0.1	75	39.7	56	9.0	1.84	3.6	<0.05	0.70	34.4	5.2
3483084	Drill Core	5.78	<0.005	<0.1	6.37	16	83	3	0.4	2.13	0.1	41	24.1	55	13.8	1.59	3.9	<0.05	0.72	17.5	7.4
3483085	Drill Core	5.89	0.023	<0.1	7.02	7	41	2	0.1	2.74	<0.1	40	12.0	45	7.1	1.25	4.4	<0.05	0.40	17.1	3.6
3483086	Drill Core	4.06	0.010	<0.1	7.41	6	38	1	<0.1	4.20	<0.1	64	10.7	44	23.8	2.04	4.4	<0.05	0.33	29.0	3.8
3483087	Drill Core	5.17	0.018	<0.1	5.82	4	59	1	<0.1	1.98	<0.1	42	6.8	36	4.6	0.91	2.4	<0.05	0.22	18.3	2.8
3483088	Drill Core	5.53	0.009	<0.1	6.51	5	61	1	0.1	2.59	<0.1	44	10.7	39	3.3	1.11	3.5	<0.05	0.46	19.7	5.0
3483089	Drill Core	5.85	0.023	<0.1	6.40	7	55	1	0.1	2.47	<0.1	60	7.6	39	3.3	1.20	3.6	<0.05	0.35	27.2	4.6
3483090	Drill Core	5.93	0.009	<0.1	6.13	5	98	1	0.1	2.17	<0.1	47	14.0	40	4.8	1.26	3.8	<0.05	0.43	21.1	5.3
3483091	Drill Core	5.81	0.012	<0.1	6.85	18	79	3	0.2	2.53	<0.1	37	26.7	64	26.3	1.89	3.9	<0.05	0.65	15.9	6.9
3483092	Drill Core	4.23	0.028	<0.1	6.88	5	43	2	0.1	3.95	<0.1	43	18.6	57	4.1	1.43	3.8	<0.05	0.26	20.3	2.4
3483093	Drill Core	3.49	<0.005	<0.1	6.10	3	138	2	<0.1	1.24	<0.1	31	14.1	94	0.8	3.06	3.5	<0.05	1.22	13.6	10.7
3483094	Drill Core	5.67	<0.005	<0.1	6.03	3	40	2	<0.1	1.92	<0.1	61	10.5	37	1.3	0.99	2.4	<0.05	0.32	27.3	2.9
3483095	Drill Core	5.70	<0.005	<0.1	6.58	1	142	2	<0.1	1.11	<0.1	42	7.8	95	0.8	2.62	3.2	<0.05	1.31	18.7	15.7
3483096	Drill Core	5.02	0.016	<0.1	6.55	1	18	<1	<0.1	2.04	<0.1	30	1.7	39	0.9	0.72	2.5	<0.05	0.15	12.6	1.1
3483097	Drill Core	6.28	0.012	<0.1	7.63	1	14	<1	<0.1	1.44	<0.1	18	2.8	46	0.8	0.55	3.6	<0.05	0.09	7.0	0.4
3483098	Rock Pulp	0.07	1.504	0.2	7.09	415	330	<1	<0.1	5.57	<0.1	36	39.6	188	75.8	8.24	3.0	0.06	0.64	18.3	8.4
3483099	Drill Core	5.99	0.058	<0.1	7.18	5	13	<1	<0.1	4.08	<0.1	39	17.0	51	1.8	1.30	3.8	<0.05	0.12	17.4	1.0
3483100	Rock	0.20	<0.005	<0.1	9.64	2	18	<1	0.1	0.17	<0.1	1	<0.2	1	0.5	0.20	0.2	<0.05	3.97	0.5	24.8
3483101	Drill Core	5.12	0.106	<0.1	6.63	7	16	<1	<0.1	2.50	<0.1	31	30.2	50	2.0	1.00	3.6	<0.05	0.12	13.0	0.5
3483102	Drill Core	4.55	0.026	<0.1	7.29	3	19	1	<0.1	2.84	<0.1	43	8.1	43	1.8	0.90	3.9	<0.05	0.11	20.4	0.7
3483103	Drill Core	4.05	0.017	<0.1	6.40	7	24	2	<0.1	1.73	<0.1	20	10.2	58	3.8	0.88	3.3	<0.05	0.11	8.9	2.3
3483104	Drill Core	4.01	0.015	<0.1	6.89	9	58	2	<0.1	3.31	<0.1	28	51.2	59	1.7	1.69	3.3	<0.05	0.55	12.8	5.9
3483105	Drill Core	4.55	0.005	<0.1	6.70	4	45	1	<0.1	1.46	<0.1	22	5.5	62	0.9	1.04	2.9	<0.05	0.32	9.7	4.8
3483106	Drill Core	4.50	0.009	<0.1	6.97	3	14	<1	<0.1	1.46	<0.1	8	1.6	17	1.4	0.61	1.6	<0.05	0.13	3.4	0.7
3483107	Drill Core	4.56	0.143	<0.1	6.57	16	17	<1	<0.1	1.68	<0.1	16	22.3	35	2.9	0.90	2.4	<0.05	0.18	7.1	1.1
3483108	Drill Core	4.52	0.029	<0.1	6.77	6	14	1	<0.1	5.43	<0.1	153	9.2	26	1.2	1.56	2.5	<0.05	0.21	71.3	1.3
3483109	Drill Core	2.26	0.430	<0.1	6.04	31	24	1	0.1	0.62	<0.1	55	32.3	25	5.8	0.96	1.9	<0.05	0.27	25.3	2.1
3483110	Drill Core	3.78	2.172	<0.1	5.15	303	15	<1	0.9	3.71	<0.1	194	390.9	28	8.2	7.22	1.7	<0.05	0.17	92.2	1.6

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 09, 2020

CERTIFICATE OF ANALYSIS TIM19002763.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3483081	Drill Core	2.06	338	0.3	6.404	3.6	15.2	0.028	2.5	2.2	<0.005	<0.1	0.5	5	<1	0.8	53	0.3	0.7	10.3	0.109
3483082	Drill Core	2.43	392	0.5	6.049	3.2	13.9	0.030	1.5	3.8	<0.005	<0.1	0.4	7	<1	0.6	56	0.3	0.9	10.3	0.103
3483083	Drill Core	2.43	321	0.4	4.799	3.0	39.3	0.037	1.7	32.5	<0.005	0.3	0.3	9	2	1.2	56	0.3	0.8	10.1	0.126
3483084	Drill Core	2.00	255	0.5	4.746	3.0	37.6	0.041	10.3	32.9	<0.005	0.2	0.3	9	2	0.9	58	0.3	<0.5	10.0	0.127
3483085	Drill Core	1.89	310	0.4	5.942	3.0	23.9	0.037	2.1	12.1	<0.005	<0.1	0.3	7	<1	0.6	52	0.3	0.6	12.4	0.095
3483086	Drill Core	2.68	520	0.7	5.660	2.3	18.6	0.017	2.6	16.4	<0.005	<0.1	0.4	6	1	0.3	59	0.3	0.8	11.5	0.100
3483087	Drill Core	1.10	197	0.4	4.916	1.3	11.3	0.035	1.3	3.1	<0.005	<0.1	0.2	4	<1	0.3	53	0.1	<0.5	5.1	0.054
3483088	Drill Core	1.52	198	0.5	5.259	1.9	20.7	0.034	1.3	17.0	<0.005	<0.1	0.2	7	1	0.4	59	0.2	<0.5	8.1	0.082
3483089	Drill Core	1.63	232	0.6	5.282	1.6	24.2	0.040	1.6	13.1	<0.005	<0.1	0.4	6	<1	0.4	58	0.2	<0.5	8.8	0.061
3483090	Drill Core	1.52	162	0.4	5.020	1.8	21.6	0.035	1.3	17.4	<0.005	0.1	0.2	6	<1	0.4	72	0.2	<0.5	9.0	0.072
3483091	Drill Core	2.23	231	0.5	5.296	2.0	53.5	0.043	1.4	30.1	<0.005	0.3	0.3	11	1	0.7	63	0.2	<0.5	10.3	0.108
3483092	Drill Core	2.26	344	0.4	5.798	2.9	41.8	0.044	1.3	11.8	<0.005	0.2	0.5	10	<1	1.1	66	0.3	0.6	10.7	0.113
3483093	Drill Core	2.57	120	0.7	5.228	1.5	66.4	0.044	0.7	33.4	<0.005	<0.1	0.1	15	<1	1.0	56	0.2	0.6	8.1	0.179
3483094	Drill Core	1.26	148	0.3	5.547	1.3	30.1	0.035	1.0	8.6	<0.005	<0.1	0.2	6	<1	0.7	50	0.1	<0.5	5.1	0.073
3483095	Drill Core	2.39	92	0.2	5.744	1.3	82.7	0.044	0.8	39.6	<0.005	<0.1	0.1	17	<1	1.8	59	0.1	0.5	7.9	0.192
3483096	Drill Core	1.05	166	0.3	6.417	1.8	9.1	0.027	0.7	1.5	<0.005	<0.1	0.1	3	<1	0.6	33	0.1	<0.5	5.3	0.081
3483097	Drill Core	0.71	137	0.2	7.619	2.5	5.8	0.024	0.7	0.3	<0.005	<0.1	0.2	2	<1	0.8	27	0.2	<0.5	7.9	0.103
3483098	Rock Pulp	3.82	1970	2.1	2.068	17.8	134.6	0.157	4.5	19.3	<0.005	0.7	2.2	18	<1	1.4	361	1.1	0.9	3.2	0.920
3483099	Drill Core	2.08	311	0.6	6.450	3.0	24.3	0.032	1.0	0.6	<0.005	0.1	0.4	4	<1	0.5	43	0.3	1.0	8.2	0.114
3483100	Rock	0.03	32	0.2	7.812	<0.1	<0.1	<0.001	4.8	56.2	<0.005	<0.1	0.1	<1	<1	<0.1	31	<0.1	<0.5	0.2	<0.001
3483101	Drill Core	1.21	242	0.3	6.815	2.4	23.4	0.024	1.2	0.2	<0.005	0.2	0.3	3	<1	0.7	33	0.2	<0.5	7.3	0.096
3483102	Drill Core	1.40	233	0.4	6.641	2.7	12.1	0.028	1.3	0.8	<0.005	<0.1	0.4	6	<1	0.9	45	0.2	0.6	8.1	0.113
3483103	Drill Core	1.02	149	0.6	6.186	2.2	27.0	0.030	1.1	1.2	<0.005	<0.1	0.2	7	<1	0.8	41	0.2	<0.5	5.7	0.104
3483104	Drill Core	2.35	343	0.7	5.495	2.5	53.9	0.053	1.0	29.8	<0.005	0.2	0.3	13	<1	1.3	57	0.2	0.6	10.5	0.122
3483105	Drill Core	1.22	143	0.2	6.330	2.1	39.1	0.036	0.8	7.2	<0.005	<0.1	0.2	9	<1	0.9	43	0.2	<0.5	6.9	0.112
3483106	Drill Core	0.78	146	0.2	7.092	1.2	6.7	0.058	0.5	0.4	<0.005	<0.1	0.1	2	<1	<0.1	31	<0.1	<0.5	3.2	0.052
3483107	Drill Core	0.91	164	0.9	6.158	1.2	15.3	0.035	1.1	1.2	<0.005	0.3	0.2	2	<1	<0.1	35	<0.1	<0.5	5.5	0.049
3483108	Drill Core	2.80	513	0.3	5.627	1.8	17.9	0.024	1.0	1.6	<0.005	<0.1	0.2	9	2	0.4	56	0.2	0.6	9.1	0.071
3483109	Drill Core	0.35	72	0.3	5.306	0.9	54.4	0.110	2.1	1.8	<0.005	0.6	0.2	1	1	<0.1	39	0.1	<0.5	6.6	0.029
3483110	Drill Core	0.50	84	0.5	4.238	0.4	272.1	1.315	6.0	1.1	<0.005	7.9	0.6	2	13	<0.1	62	<0.1	1.2	19.7	0.017

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 09, 2020

CERTIFICATE OF ANALYSIS TIM19002763.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3483081	Drill Core	<0.5	4.7	39	3.2	10.3	<1	128.4
3483082	Drill Core	<0.5	4.0	42	3.7	11.1	1	137.7
3483083	Drill Core	<0.5	3.0	81	3.9	20.0	1	133.0
3483084	Drill Core	<0.5	2.8	62	1.1	13.8	23	131.2
3483085	Drill Core	<0.5	4.0	50	1.7	12.0	1	150.6
3483086	Drill Core	<0.5	3.7	56	1.5	12.8	3	152.3
3483087	Drill Core	<0.5	1.6	28	0.9	6.7	1	82.0
3483088	Drill Core	<0.5	2.7	42	0.9	11.2	1	110.6
3483089	Drill Core	<0.5	2.6	42	0.9	9.7	2	127.7
3483090	Drill Core	<0.5	2.6	36	0.8	8.8	2	136.7
3483091	Drill Core	<0.5	2.8	79	1.4	12.6	2	140.9
3483092	Drill Core	<0.5	3.6	65	3.6	13.9	1	128.6
3483093	Drill Core	<0.5	1.0	108	0.4	5.7	3	119.0
3483094	Drill Core	<0.5	1.2	48	1.4	7.5	<1	87.7
3483095	Drill Core	<0.5	0.9	138	0.3	6.8	4	103.3
3483096	Drill Core	<0.5	0.9	39	1.7	4.9	<1	85.1
3483097	Drill Core	<0.5	1.3	43	2.2	6.0	1	133.2
3483098	Rock Pulp	<0.5	0.9	156	1.2	20.0	107	115.8
3483099	Drill Core	<0.5	1.6	50	5.4	8.0	1	135.8
3483100	Rock	0.6	0.1	<1	<0.1	1.7	2	11.7
3483101	Drill Core	<0.5	1.6	44	2.9	7.2	<1	131.3
3483102	Drill Core	<0.5	3.0	47	3.1	10.3	<1	137.4
3483103	Drill Core	<0.5	1.5	76	1.2	8.1	<1	121.0
3483104	Drill Core	<0.5	2.1	103	2.0	15.9	2	125.9
3483105	Drill Core	<0.5	0.9	98	0.9	7.1	2	102.1
3483106	Drill Core	<0.5	0.6	21	1.2	2.7	<1	57.1
3483107	Drill Core	<0.5	1.0	26	1.3	4.7	<1	84.8
3483108	Drill Core	<0.5	1.5	41	2.7	9.0	<1	87.8
3483109	Drill Core	<0.5	1.4	18	1.0	5.6	<1	65.7
3483110	Drill Core	<0.5	9.1	19	0.7	36.2	<1	63.8

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Project: SPJ
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CERTIFICATE OF ANALYSIS TIM19002763.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3483111	Drill Core	5.65	0.137	<0.1	5.20	40	14	<1	<0.1	0.42	<0.1	36	17.2	28	1.6	0.82	1.9	<0.05	0.12	16.6	0.7
3483112	Drill Core	5.89	0.187	<0.1	4.66	64	10	<1	<0.1	0.73	<0.1	38	23.0	29	2.3	1.13	1.9	<0.05	0.11	17.9	1.0
3483113	Drill Core	5.75	0.099	<0.1	4.99	43	9	<1	0.2	1.06	<0.1	36	14.9	32	1.6	1.00	2.1	<0.05	0.09	17.2	0.9
3483114	Drill Core	5.12	0.122	<0.1	5.57	32	15	<1	<0.1	0.94	<0.1	24	13.6	27	1.7	0.83	2.7	<0.05	0.11	10.7	1.2
3483115	Drill Core	4.12	0.220	<0.1	4.63	67	10	<1	0.1	0.43	<0.1	33	23.6	32	2.3	1.09	1.9	<0.05	0.06	15.9	0.5
3483116	Drill Core	3.90	1.048	<0.1	4.25	99	9	<1	0.2	0.63	<0.1	39	37.6	36	2.9	1.54	1.9	<0.05	0.06	17.9	0.4
3483117	Drill Core	4.14	0.599	<0.1	5.46	27	17	<1	<0.1	0.97	<0.1	76	11.8	27	2.3	0.91	2.7	<0.05	0.07	33.9	0.6
3483118	Drill Core	4.49	0.270	<0.1	6.29	40	17	<1	<0.1	1.51	<0.1	43	46.0	27	3.2	1.24	2.2	<0.05	0.12	19.2	1.1
3483119	Drill Core	4.07	0.392	<0.1	5.32	187	13	<1	0.4	1.28	<0.1	38	57.4	37	5.1	1.95	2.0	<0.05	0.09	18.2	0.9
3483120	Rock Pulp	0.07	5.337	0.9	6.28	23	211	<1	0.5	5.25	0.3	11	39.5	273	130.8	6.97	1.5	0.06	0.44	5.0	18.2
3483121	Drill Core	5.08	0.035	<0.1	5.18	19	16	<1	0.2	1.04	<0.1	38	10.8	18	2.6	0.66	1.8	<0.05	0.09	17.0	0.7
3483122	Drill Core	5.04	0.020	<0.1	6.01	9	34	<1	0.1	1.06	<0.1	15	9.2	24	2.1	0.76	2.1	<0.05	0.15	6.1	2.7
3483123	Drill Core	4.93	0.037	<0.1	5.47	22	15	<1	0.1	0.48	<0.1	73	11.6	28	1.6	0.56	1.8	<0.05	0.09	35.0	0.3
3483124	Drill Core	4.66	0.018	<0.1	5.36	8	19	1	0.1	0.76	<0.1	27	3.2	23	1.7	0.57	1.9	<0.05	0.09	12.1	0.9
3483125	Rock	0.20	<0.005	<0.1	8.69	<1	16	<1	0.1	0.16	<0.1	1	<0.2	<1	0.3	0.21	0.3	<0.05	4.00	0.6	22.9
3483126	Drill Core	5.57	0.279	<0.1	5.73	146	18	<1	0.3	1.59	<0.1	50	48.8	47	4.4	1.89	2.7	<0.05	0.11	23.6	1.7
3483127	Drill Core	5.56	0.341	<0.1	5.63	38	26	<1	<0.1	1.05	<0.1	15	36.7	40	4.4	1.81	3.0	<0.05	0.30	7.0	3.8
3483128	Drill Core	4.54	0.039	<0.1	5.58	19	19	<1	0.1	1.34	<0.1	64	6.8	41	1.8	1.29	2.0	<0.05	0.17	30.9	2.4
3483129	Drill Core	5.80	0.037	<0.1	6.04	19	23	<1	<0.1	1.97	<0.1	37	7.9	33	2.8	1.00	2.0	<0.05	0.14	17.7	1.3
3483130	Drill Core	5.15	0.033	<0.1	5.70	21	19	<1	<0.1	1.58	<0.1	39	6.6	32	2.1	0.92	1.9	<0.05	0.15	19.3	1.6
3483131	Drill Core	5.44	0.082	<0.1	5.18	50	13	<1	<0.1	1.54	<0.1	41	16.2	35	3.5	1.17	1.8	<0.05	0.09	20.3	1.0
3483132	Drill Core	5.41	0.122	<0.1	4.82	62	11	<1	0.1	2.39	<0.1	28	14.8	46	2.1	1.23	1.8	<0.05	0.12	13.2	1.8
3483133	Drill Core	5.07	0.125	<0.1	5.54	19	17	<1	<0.1	0.41	<0.1	35	9.2	23	1.6	0.58	1.8	<0.05	0.11	16.6	0.9
3483134	Drill Core	5.63	0.065	<0.1	5.59	3	16	<1	<0.1	0.44	<0.1	68	2.6	18	2.1	0.42	2.5	<0.05	0.14	32.8	0.9
3483135	Drill Core	5.62	0.050	<0.1	5.33	6	15	<1	<0.1	0.81	<0.1	34	4.1	14	1.7	0.59	1.9	<0.05	0.13	16.2	0.9
3483136	Drill Core	5.27	0.060	<0.1	5.23	25	14	<1	<0.1	0.91	<0.1	24	13.6	27	1.5	0.73	1.9	<0.05	0.11	10.9	0.8
3483137	Drill Core	5.21	0.062	<0.1	5.75	15	16	<1	<0.1	1.59	<0.1	55	11.6	20	1.9	0.82	2.1	<0.05	0.18	27.7	1.5
3483138	Drill Core	4.62	0.069	<0.1	5.16	17	14	<1	<0.1	0.56	<0.1	54	9.0	15	1.6	0.57	1.7	<0.05	0.18	25.3	1.0
3483139	Drill Core	3.59	0.011	<0.1	5.56	7	15	1	0.2	0.68	<0.1	42	3.2	24	1.3	0.53	1.9	<0.05	0.17	19.5	1.7
3483140	Rock Pulp	0.07	0.538	0.2	7.13	4	142	<1	<0.1	6.81	<0.1	10	43.9	174	141.2	7.76	1.6	<0.05	0.18	3.8	12.3

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BUREAU VERITAS MINERAL LABORATORIES Canada

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 09, 2020

CERTIFICATE OF ANALYSIS TIM19002763.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3483111	Drill Core	0.21	63	0.6	4.427	0.7	15.3	0.042	1.0	1.1	<0.005	0.5	0.1	1	1	<0.1	23	<0.1	<0.5	5.2	0.022
3483112	Drill Core	0.37	110	0.6	4.064	0.8	19.4	0.040	1.0	0.7	<0.005	0.7	0.2	2	<1	<0.1	17	<0.1	<0.5	4.8	0.028
3483113	Drill Core	0.57	146	0.6	4.060	0.9	12.1	0.028	0.9	1.0	<0.005	0.5	0.2	3	<1	<0.1	20	<0.1	<0.5	5.8	0.032
3483114	Drill Core	0.48	114	0.8	5.105	1.4	12.0	0.041	0.9	0.5	<0.005	0.4	0.2	2	<1	<0.1	26	0.1	<0.5	5.7	0.049
3483115	Drill Core	0.21	62	1.0	4.053	0.8	17.2	0.040	1.0	0.7	<0.005	0.8	0.1	2	<1	<0.1	16	<0.1	<0.5	5.3	0.028
3483116	Drill Core	0.31	75	0.6	3.968	0.8	26.6	0.034	1.1	0.3	<0.005	1.2	0.2	2	1	<0.1	17	<0.1	<0.5	4.5	0.028
3483117	Drill Core	0.47	106	1.3	5.217	1.1	11.4	0.034	1.1	0.4	<0.005	0.4	0.2	2	1	<0.1	39	<0.1	<0.5	5.9	0.038
3483118	Drill Core	0.77	178	0.6	5.609	1.1	32.0	0.034	1.2	1.0	<0.005	0.7	0.2	3	2	<0.1	46	0.1	<0.5	5.7	0.040
3483119	Drill Core	0.71	133	0.4	4.360	0.9	37.6	0.032	1.2	1.3	<0.005	1.6	0.3	4	2	0.4	34	0.1	<0.5	5.8	0.028
3483120	Rock Pulp	3.86	1260	2.8	1.887	3.3	111.5	0.038	16.1	13.7	<0.005	0.4	0.5	32	<1	0.6	105	0.2	1.8	1.4	0.564
3483121	Drill Core	0.52	110	0.7	4.936	1.0	9.6	0.027	1.0	0.7	<0.005	0.2	0.2	2	2	0.2	36	0.1	<0.5	4.0	0.035
3483122	Drill Core	0.78	108	0.4	5.583	1.1	16.1	0.023	1.2	1.6	<0.005	0.1	0.2	3	<1	<0.1	66	0.1	<0.5	4.0	0.041
3483123	Drill Core	0.22	53	0.8	5.303	0.9	9.5	0.030	1.0	1.2	<0.005	0.2	0.2	1	<1	<0.1	34	<0.1	<0.5	4.9	0.031
3483124	Drill Core	0.39	89	0.6	5.235	1.0	6.1	0.026	0.9	0.7	<0.005	<0.1	0.2	2	<1	0.1	44	<0.1	<0.5	4.2	0.034
3483125	Rock	0.02	37	0.2	8.000	<0.1	0.3	<0.001	4.9	55.9	<0.005	<0.1	0.1	<1	<1	<0.1	28	<0.1	<0.5	0.3	<0.001
3483126	Drill Core	0.88	193	0.9	5.091	1.6	46.1	0.033	1.3	2.6	<0.005	1.1	0.2	4	<1	<0.1	44	0.2	<0.5	7.1	0.078
3483127	Drill Core	0.91	163	0.5	4.734	3.8	24.4	0.033	1.0	11.4	<0.005	0.4	0.1	4	<1	0.3	34	0.4	<0.5	5.3	0.158
3483128	Drill Core	0.93	181	0.8	4.586	1.9	12.1	0.028	1.0	7.1	<0.005	0.2	0.2	6	<1	<0.1	46	0.2	<0.5	5.5	0.084
3483129	Drill Core	1.12	177	0.7	4.990	1.2	12.8	0.029	1.1	4.1	<0.005	0.2	0.2	6	<1	<0.1	61	0.1	<0.5	5.5	0.051
3483130	Drill Core	0.95	178	0.5	4.807	1.2	9.9	0.027	1.0	1.6	<0.005	0.2	0.2	6	<1	<0.1	54	0.1	<0.5	4.8	0.048
3483131	Drill Core	0.86	167	0.6	4.357	1.2	14.8	0.030	1.0	1.2	<0.005	0.5	0.1	7	<1	<0.1	39	0.1	<0.5	5.2	0.052
3483132	Drill Core	1.40	266	0.5	3.978	1.1	15.9	0.027	1.0	1.3	<0.005	0.5	0.2	9	<1	<0.1	42	<0.1	0.7	4.9	0.037
3483133	Drill Core	0.22	71	0.6	4.914	1.2	7.4	0.032	0.9	1.4	<0.005	0.2	0.2	1	<1	<0.1	47	0.1	<0.5	4.9	0.041
3483134	Drill Core	0.24	62	0.8	5.279	1.7	4.4	0.035	0.9	1.3	<0.005	<0.1	0.2	1	<1	0.1	44	0.2	<0.5	5.7	0.054
3483135	Drill Core	0.45	99	0.8	5.084	1.3	6.1	0.029	0.7	0.8	<0.005	<0.1	0.2	2	<1	<0.1	39	0.1	<0.5	3.6	0.047
3483136	Drill Core	0.51	103	1.0	4.988	1.1	11.7	0.031	0.8	0.7	<0.005	0.3	0.1	2	<1	<0.1	34	<0.1	<0.5	3.7	0.040
3483137	Drill Core	0.91	174	0.6	4.799	1.3	13.8	0.029	1.0	2.0	<0.005	0.2	0.2	3	<1	0.1	43	0.1	<0.5	6.5	0.044
3483138	Drill Core	0.30	75	0.5	4.608	0.8	9.4	0.047	0.8	1.6	<0.005	0.2	<0.1	1	<1	<0.1	35	<0.1	<0.5	4.0	0.028
3483139	Drill Core	0.50	80	0.7	5.075	0.9	6.5	0.028	0.9	1.2	<0.005	<0.1	0.1	3	<1	<0.1	40	<0.1	<0.5	4.2	0.036
3483140	Rock Pulp	4.14	1495	0.6	2.242	3.5	92.0	0.037	2.9	3.6	<0.005	0.1	0.4	43	<1	0.5	115	0.2	1.6	0.5	0.666

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Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 09, 2020

CERTIFICATE OF ANALYSIS TIM19002763.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3483111	Drill Core	<0.5	1.4	19	0.8	4.1	<1	64.2
3483112	Drill Core	<0.5	1.3	22	1.3	3.8	<1	72.3
3483113	Drill Core	<0.5	1.9	24	1.2	4.5	<1	72.2
3483114	Drill Core	<0.5	1.8	26	1.5	4.1	<1	94.7
3483115	Drill Core	<0.5	1.5	21	1.2	4.1	<1	70.3
3483116	Drill Core	<0.5	1.1	22	1.5	3.1	<1	71.4
3483117	Drill Core	<0.5	1.1	24	1.5	3.8	<1	92.1
3483118	Drill Core	<0.5	1.4	36	2.3	4.7	<1	78.1
3483119	Drill Core	<0.5	1.6	24	1.8	4.3	3	69.9
3483120	Rock Pulp	<0.5	0.3	267	5.1	18.6	83	50.5
3483121	Drill Core	<0.5	0.8	16	1.4	3.0	<1	62.0
3483122	Drill Core	<0.5	1.1	26	1.3	3.0	<1	66.3
3483123	Drill Core	<0.5	1.3	18	1.2	3.9	<1	63.8
3483124	Drill Core	<0.5	1.1	17	1.1	2.9	<1	67.7
3483125	Rock	0.6	0.2	<1	<0.1	1.6	2	13.4
3483126	Drill Core	<0.5	1.9	33	3.7	5.6	<1	91.8
3483127	Drill Core	<0.5	2.0	47	6.4	5.5	<1	94.8
3483128	Drill Core	<0.5	1.6	26	3.6	4.7	<1	64.1
3483129	Drill Core	<0.5	1.7	27	1.8	5.7	<1	70.3
3483130	Drill Core	<0.5	1.5	20	1.9	5.0	<1	61.1
3483131	Drill Core	<0.5	1.4	21	2.0	4.5	<1	63.3
3483132	Drill Core	<0.5	1.2	27	1.3	5.4	<1	63.3
3483133	Drill Core	<0.5	1.3	16	1.9	3.7	<1	63.6
3483134	Drill Core	<0.5	1.3	16	2.3	4.1	<1	86.5
3483135	Drill Core	<0.5	0.9	15	1.9	3.2	<1	72.5
3483136	Drill Core	<0.5	1.0	18	1.4	3.3	<1	68.3
3483137	Drill Core	<0.5	1.8	18	2.0	5.6	<1	76.6
3483138	Drill Core	<0.5	1.0	14	1.3	3.8	<1	59.7
3483139	Drill Core	<0.5	1.0	21	1.3	3.2	<1	62.5
3483140	Rock Pulp	<0.5	0.1	317	1.0	21.5	76	48.0

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
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Project: SPJ
Report Date: January 09, 2020

QUALITY CONTROL REPORT TIM19002763.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
Pulp Duplicates																					
REP 3483059	QC			<0.1	5.97	5	131	1	0.1	0.67	<0.1	7	6.6	25	5.9	0.91	1.3	<0.05	0.42	3.1	7.0
3483075	Rock	0.19	<0.005	<0.1	9.01	<1	17	<1	<0.1	0.16	<0.1	1	<0.2	1	0.7	0.22	0.3	<0.05	4.09	0.5	24.4
REP 3483075	QC		<0.005																		
REP 3483093	QC			<0.1	6.14	2	143	2	<0.1	1.23	<0.1	30	14.1	96	1.1	3.04	3.6	<0.05	1.27	13.2	10.9
3483118	Drill Core	4.49	0.270	<0.1	6.29	40	17	<1	<0.1	1.51	<0.1	43	46.0	27	3.2	1.24	2.2	<0.05	0.12	19.2	1.1
REP 3483118	QC		0.264																		
REP 3483127	QC			<0.1	5.57	37	26	<1	0.2	1.06	<0.1	14	36.3	39	4.3	1.87	2.8	<0.05	0.29	6.3	3.4
Core Reject Duplicates																					
3483059	Drill Core	3.98	<0.005	<0.1	6.00	6	135	<1	<0.1	0.67	<0.1	7	6.8	25	6.2	0.91	1.4	<0.05	0.43	3.2	7.8
DUP 3483059	QC		<0.005	<0.1	5.73	4	132	2	0.1	0.63	<0.1	6	6.6	22	5.7	0.90	1.4	<0.05	0.42	2.9	6.1
3483093	Drill Core	3.49	<0.005	<0.1	6.10	3	138	2	<0.1	1.24	<0.1	31	14.1	94	0.8	3.06	3.5	<0.05	1.22	13.6	10.7
DUP 3483093	QC		<0.005	<0.1	6.26	2	141	2	<0.1	1.24	<0.1	30	14.0	94	0.9	3.05	3.3	<0.05	1.23	12.9	11.2
3483127	Drill Core	5.56	0.341	<0.1	5.63	38	26	<1	<0.1	1.05	<0.1	15	36.7	40	4.4	1.81	3.0	<0.05	0.30	7.0	3.8
DUP 3483127	QC		0.320	<0.1	5.87	40	26	<1	0.1	1.08	<0.1	19	36.8	40	4.3	1.84	2.9	<0.05	0.31	8.6	4.0
Reference Materials																					
STD OREAS25A-4A	Standard			<0.1	8.68	9	140	1	0.8	0.29	<0.1	48	7.1	110	31.4	6.27	4.1	0.11	0.47	21.6	37.6
STD OREAS25A-4A	Standard			<0.1	8.65	10	145	<1	0.4	0.27	<0.1	45	7.5	113	32.8	6.38	4.3	0.08	0.48	19.9	37.4
STD OREAS25A-4A	Standard			<0.1	8.45	10	166	1	0.4	0.27	<0.1	48	7.8	124	34.2	6.65	4.5	0.08	0.53	21.4	39.6
STD OREAS45H	Standard			0.2	8.05	15	333	1	0.3	0.13	<0.1	24	85.1	643	765.3	19.23	3.2	0.10	0.20	12.3	13.1
STD OREAS45E	Standard			0.3	7.01	16	255	<1	0.4	0.06	<0.1	25	58.7	1047	789.0	24.64	2.9	0.10	0.32	11.1	6.8
STD OREAS45E	Standard			0.3	7.13	15	230	<1	0.7	0.06	<0.1	23	57.8	972	788.9	23.38	2.9	0.11	0.32	10.1	6.2
STD OREAS45E	Standard			0.3	6.54	17	262	<1	0.2	0.06	<0.1	20	56.7	948	756.3	23.68	2.7	0.08	0.32	9.8	6.6
STD OXC145	Standard		0.212																		
STD OXC145	Standard		0.198																		
STD OXC145	Standard		0.202																		
STD OXC145	Standard		0.212																		
STD OXH139	Standard		1.313																		
STD OXH139	Standard		1.274																		

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Project: SPJ
Report Date: January 09, 2020

QUALITY CONTROL REPORT TIM19002763.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
Pulp Duplicates																					
REP 3483059	QC	0.98	58	0.4	4.817	0.6	18.3	0.034	0.8	8.7	<0.005	<0.1	0.2	4	1	<0.1	102	<0.1	<0.5	2.4	0.035
3483075	Rock	0.03	39	0.2	7.349	<0.1	0.5	<0.001	5.1	58.3	<0.005	<0.1	0.1	<1	<1	<0.1	29	<0.1	<0.5	0.2	<0.001
REP 3483075	QC																				
REP 3483093	QC	2.58	119	0.5	5.071	1.4	67.5	0.043	0.7	31.1	<0.005	<0.1	<0.1	15	<1	1.1	57	0.2	0.8	7.7	0.182
3483118	Drill Core	0.77	178	0.6	5.609	1.1	32.0	0.034	1.2	1.0	<0.005	0.7	0.2	3	2	<0.1	46	0.1	<0.5	5.7	0.040
REP 3483118	QC																				
REP 3483127	QC	0.92	167	0.4	4.915	3.9	23.8	0.033	1.0	10.0	<0.005	0.4	0.2	4	<1	0.4	33	0.3	<0.5	4.9	0.161
Core Reject Duplicates																					
3483059	Drill Core	0.99	59	0.2	4.636	0.6	19.4	0.034	0.8	9.5	<0.005	<0.1	0.1	4	1	<0.1	106	<0.1	<0.5	2.5	0.037
DUP 3483059	QC	0.97	56	0.2	4.734	0.6	18.0	0.033	0.8	7.5	<0.005	<0.1	0.1	4	1	0.1	97	<0.1	<0.5	2.2	0.036
3483093	Drill Core	2.57	120	0.7	5.228	1.5	66.4	0.044	0.7	33.4	<0.005	<0.1	0.1	15	<1	1.0	56	0.2	0.6	8.1	0.179
DUP 3483093	QC	2.57	120	0.4	5.034	1.5	64.3	0.042	0.7	33.1	<0.005	<0.1	0.1	15	<1	1.0	58	0.1	0.6	7.8	0.180
3483127	Drill Core	0.91	163	0.5	4.734	3.8	24.4	0.033	1.0	11.4	<0.005	0.4	0.1	4	<1	0.3	34	0.4	<0.5	5.3	0.158
DUP 3483127	QC	0.93	171	0.5	4.797	3.9	23.8	0.035	1.0	13.8	<0.005	0.4	0.2	4	<1	0.3	36	0.4	<0.5	5.7	0.163
Reference Materials																					
STD OREAS25A-4A	Standard	0.31	483	2.4	0.134	18.0	44.0	0.044	23.2	58.1	<0.005	<0.1	0.5	12	3	3.7	47	1.3	<0.5	16.3	0.842
STD OREAS25A-4A	Standard	0.31	479	2.2	0.132	19.8	44.7	0.047	24.1	57.5	<0.005	<0.1	0.6	12	2	3.7	46	1.4	<0.5	15.5	0.898
STD OREAS25A-4A	Standard	0.37	483	2.9	0.143	21.3	48.9	0.048	27.4	61.1	<0.005	<0.1	0.6	12	1	4.7	48	1.6	<0.5	16.7	0.927
STD OREAS45H	Standard	0.24	413	1.6	0.098	12.8	438.9	0.021	11.4	22.0	<0.005	<0.1	0.7	57	<1	1.6	28	0.9	<0.5	7.2	0.839
STD OREAS45E	Standard	0.15	600	2.5	0.053	6.4	493.0	0.032	18.4	21.4	<0.005	<0.1	1.0	94	2	1.1	16	0.5	<0.5	13.8	0.532
STD OREAS45E	Standard	0.14	597	2.2	0.051	5.8	475.3	0.031	16.4	19.7	<0.005	<0.1	1.0	90	3	1.0	15	0.5	<0.5	12.3	0.536
STD OREAS45E	Standard	0.16	530	2.7	0.057	5.8	445.0	0.033	18.0	19.1	<0.005	<0.1	1.0	86	1	1.3	16	0.5	<0.5	12.8	0.515
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				

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BUREAU VERITAS
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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 09, 2020

QUALITY CONTROL REPORT TIM19002763.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
Pulp Duplicates								
REP 3483059	QC	<0.5	0.6	30	0.2	2.8	2	48.2
3483075	Rock	0.7	0.1	<1	<0.1	1.7	2	16.7
REP 3483075	QC							
REP 3483093	QC	<0.5	1.0	107	0.5	5.8	3	120.8
3483118	Drill Core	<0.5	1.4	36	2.3	4.7	<1	78.1
REP 3483118	QC							
REP 3483127	QC	<0.5	1.9	47	6.4	5.3	1	93.4
Core Reject Duplicates								
3483059	Drill Core	<0.5	0.6	30	0.3	2.9	2	47.9
DUP 3483059	QC	<0.5	0.5	30	0.2	2.6	2	46.2
3483093	Drill Core	<0.5	1.0	108	0.4	5.7	3	119.0
DUP 3483093	QC	<0.5	1.0	108	0.4	5.9	3	118.8
3483127	Drill Core	<0.5	2.0	47	6.4	5.5	<1	94.8
DUP 3483127	QC	<0.5	2.3	48	6.3	6.3	<1	101.0
Reference Materials								
STD OREAS25A-4A	Standard	<0.5	2.5	144	1.7	9.8	42	141.5
STD OREAS25A-4A	Standard	<0.5	2.7	151	1.9	10.2	44	151.2
STD OREAS25A-4A	Standard	<0.5	3.2	162	2.2	11.0	47	159.6
STD OREAS45H	Standard	<0.5	1.5	264	0.9	9.3	40	113.6
STD OREAS45E	Standard	<0.5	2.4	334	1.1	8.1	48	94.1
STD OREAS45E	Standard	<0.5	2.1	343	0.9	7.4	47	88.1
STD OREAS45E	Standard	<0.5	2.6	308	1.1	6.8	44	93.2
STD OXC145	Standard							
STD OXC145	Standard							
STD OXC145	Standard							
STD OXC145	Standard							
STD OXH139	Standard							
STD OXH139	Standard							

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Bureau Veritas Commodities Canada Ltd.
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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 09, 2020

QUALITY CONTROL REPORT TIM19002763.1

		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
STD OXH139	Standard		1.240																		
STD OXH139	Standard		1.297																		
STD OXN134	Standard		7.389																		
STD OXN134	Standard		7.820																		
STD OXN134	Standard		7.748																		
STD OXN134	Standard		7.507																		
STD OREAS45H Expected				0.147	7.99	16.9	332	1.09	0.17	0.135		23.6	88	602	767	19.52	3.6	0.1	0.205	12.4	13.1
STD OXC145 Expected			0.212																		
STD OXN134 Expected			7.667																		
STD OXH139 Expected			1.312																		
STD OREAS25A-4A Expected					8.87	9.94	147	0.93	0.37	0.301		47.3	7.7	115	33.9	6.6	4.14	0.09	0.482	21.8	36.7
STD OREAS45E Expected				0.311	6.78	16.3	252		0.28	0.065	0.06	23.5	57	979	780	24.12	3.11	0.099	0.324	11	6.58
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
Prep Wash																					
ROCK-TIM	Prep Blank		<0.005	<0.1	7.09	1	758	<1	0.2	1.56	<0.1	23	5.1	4	5.7	2.26	1.5	<0.05	1.48	11.0	2.2
ROCK-TIM	Prep Blank		<0.005	<0.1	7.07	2	749	<1	0.2	1.58	<0.1	22	5.3	4	6.0	2.27	1.5	0.06	1.48	9.9	2.1

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 09, 2020

QUALITY CONTROL REPORT TIM19002763.1

		MA200 Mg % 0.01	MA200 Mn ppm 1	MA200 Mo ppm 0.1	MA200 Na % 0.001	MA200 Nb ppm 0.1	MA200 Ni ppm 0.1	MA200 P % 0.001	MA200 Pb ppm 0.1	MA200 Rb ppm 0.1	MA200 Re ppm 0.005	MA200 S % 0.1	MA200 Sb ppm 0.1	MA200 Sc ppm 1	MA200 Se ppm 1	MA200 Sn ppm 0.1	MA200 Sr ppm 1	MA200 Ta ppm 0.1	MA200 Te ppm 0.5	MA200 Th ppm 0.1	MA200 Ti % 0.001
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OREAS45H Expected		0.238	380	1.55	0.09	14.8	423	0.023	11.9	22.5			0.63	57	2.02	1.93	27.1	1.08		7.26	0.878
STD OXC145 Expected																					
STD OXN134 Expected																					
STD OXH139 Expected																					
STD OREAS25A-4A Expected		0.327	480	2.41	0.131	20.9	45.8	0.048	25.2	61		0.047	0.65	13.7	2.4	4.06	48.5	1.4		15.8	0.93
STD OREAS45E Expected		0.156	570	2.4	0.059	6.8	454	0.034	18.2	21.2		0.046	1	93	2.97	1.32	15.9	0.54	0.1	12.9	0.559
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<1	<0.1	0.005	<0.1	<0.1	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.003	<0.1	<0.1	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<1	<0.1	<0.001	<0.1	0.2	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
Prep Wash																					
ROCK-TIM	Prep Blank	0.65	716	1.0	3.416	5.5	1.8	0.042	2.3	27.1	<0.005	<0.1	<0.1	8	<1	0.7	209	0.4	<0.5	3.3	0.217
ROCK-TIM	Prep Blank	0.65	716	0.7	3.456	5.3	1.9	0.044	2.1	25.5	<0.005	<0.1	<0.1	8	<1	0.7	201	0.4	<0.5	2.8	0.214

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 09, 2020

QUALITY CONTROL REPORT TIM19002763.1

		MA200 Tl ppm 0.5	MA200 U ppm 0.1	MA200 V ppm 1	MA200 W ppm 0.1	MA200 Y ppm 0.1	MA200 Zn ppm 1	MA200 Zr ppm 0.1
STD OXH139	Standard							
STD OXH139	Standard							
STD OXN134	Standard							
STD OXN134	Standard							
STD OXN134	Standard							
STD OXN134	Standard							
STD OREAS45H Expected			1.68	263	0.99	10.4	39.7	131
STD OXC145 Expected								
STD OXN134 Expected								
STD OXH139 Expected								
STD OREAS25A-4A Expected		0.35	2.94	157	2	10.5	44.4	155
STD OREAS45E Expected		0.15	2.41	322	1.07	8.28	46.7	97
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1
BLK	Blank							
BLK	Blank							
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1
Prep Wash								
ROCK-TIM	Prep Blank	<0.5	1.1	43	0.3	15.8	37	47.4
ROCK-TIM	Prep Blank	<0.5	1.1	44	0.3	15.0	35	46.0

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Bureau Veritas Commodities Canada Ltd.
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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By:	Quentin Yarie
Receiving Lab:	Canada-Timmins
Received:	December 05, 2019
Analysis Start:	January 03, 2020
Report Date:	January 29, 2020
Page:	1 of 4

CERTIFICATE OF ANALYSIS TIM19002806.2

CLIENT JOB INFORMATION

Project:	SPJ
Shipment ID:	
P.O. Number	
Number of Samples:	87

SAMPLE DISPOSAL

RTRN-PLP	Return After 90 days
RTRN-RJT	Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP85-500	78	Crush split and pulverize 250g of sample to 200mesh			TIM
SHP01	87	Per sample shipping charges for branch shipments			TIM
SLBHP	5	Sort, label and box pulps			TIM
FA450	87	50g Lead Collection Fire Assay Fusion - AAS Finish	50	Completed	TIM
EN002	87	Environmental disposal charge-Fire assay lead waste			TIM
MA200	87	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
EN001-MA	87	Environmental disposal fee - Multi-acid neutralization			VAN
FA550	1	Lead collection fire assay 50G fusion - Grav finish	50	Completed	TIM

ADDITIONAL COMMENTS

Version 2 : FA550-Au included.

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC:

MAY LAI
Data Validation Specialist

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All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

CERTIFICATE OF ANALYSIS TIM19002806.2

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3483141	Drill Core	5.50	0.263	<0.1	4.88	143	10	<1	0.3	2.90	<0.1	35	33.3	49	2.7	1.78	2.2	<0.05	0.11	16.3	2.4
3483142	Drill Core	5.33	0.027	<0.1	5.15	25	13	<1	0.2	3.25	<0.1	42	7.5	25	2.1	0.89	1.7	<0.05	0.10	20.4	1.1
3483143	Drill Core	6.00	0.078	<0.1	4.79	53	9	<1	0.2	3.03	<0.1	39	14.5	26	1.8	1.18	1.9	<0.05	0.09	19.4	1.3
3483144	Drill Core	6.06	0.065	<0.1	5.05	49	12	<1	0.2	1.89	<0.1	55	13.4	34	1.6	1.02	2.1	<0.05	0.14	26.5	1.5
3483145	Drill Core	4.36	0.083	<0.1	4.79	64	9	<1	<0.1	3.59	<0.1	37	15.4	32	1.6	1.44	1.8	<0.05	0.10	18.0	1.2
3483146	Drill Core	5.77	0.032	<0.1	5.61	29	12	<1	0.1	2.29	<0.1	39	10.2	30	1.4	0.87	2.3	<0.05	0.08	18.5	0.5
3483147	Drill Core	5.36	0.057	<0.1	5.06	47	13	1	0.1	3.73	<0.1	40	15.5	34	2.1	1.26	1.6	<0.05	0.11	19.2	1.1
3483148	Drill Core	4.86	0.052	<0.1	4.78	55	11	<1	0.1	4.55	<0.1	41	26.3	45	1.6	1.68	1.7	<0.05	0.10	19.6	1.1
3483149	Drill Core	6.24	0.050	<0.1	5.66	25	24	<1	0.1	2.64	<0.1	79	40.5	36	2.3	1.22	1.7	<0.05	0.25	36.9	2.4
3483150	Silica	0.21	<0.005	<0.1	8.75	<1	17	<1	<0.1	0.16	<0.1	1	<0.2	1	0.6	0.21	0.2	<0.05	3.95	0.4	24.2
3483151	Drill Core	4.45	0.638	<0.1	5.96	79	12	<1	0.2	3.03	<0.1	29	52.8	42	5.0	1.74	2.1	<0.05	0.25	13.2	2.3
3483152	Drill Core	4.85	0.371	<0.1	7.03	62	13	2	0.3	4.23	<0.1	77	42.5	44	27.1	1.57	2.6	<0.05	0.25	36.5	1.8
3483153	Drill Core	4.49	0.133	<0.1	6.82	192	14	<1	0.5	3.89	<0.1	83	58.2	43	8.5	1.66	2.2	<0.05	0.21	37.9	1.3
3483154	Drill Core	4.92	0.270	<0.1	6.71	96	15	1	0.6	4.95	<0.1	105	73.2	66	15.0	2.20	3.1	<0.05	0.20	54.2	2.3
3483155	Drill Core	4.98	0.386	<0.1	6.94	63	17	<1	0.3	4.11	<0.1	41	51.2	63	9.7	1.67	3.0	<0.05	0.28	19.2	3.3
3483156	Drill Core	4.66	0.057	<0.1	7.11	16	16	<1	0.1	5.88	<0.1	43	33.5	53	8.8	1.79	3.6	<0.05	0.21	20.7	2.9
3483157	Drill Core	4.64	0.045	<0.1	7.06	14	21	2	0.1	5.63	<0.1	62	19.5	40	2.7	1.65	3.0	<0.05	0.24	30.3	3.0
3483158	Drill Core	4.55	0.035	<0.1	6.71	22	19	1	0.2	5.23	<0.1	58	58.9	28	2.4	1.91	2.7	<0.05	0.13	28.0	1.1
3483159	Drill Core	4.51	0.009	0.1	7.09	7	46	2	<0.1	3.02	<0.1	21	32.5	72	1.7	1.80	3.2	<0.05	0.45	9.3	5.6
3483160	Rock Pulp	0.07	1.523	0.2	7.31	517	341	<1	<0.1	5.78	<0.1	36	42.4	196	78.8	8.46	3.1	<0.05	0.67	18.7	9.1
3483161	Drill Core	5.74	0.343	<0.1	7.34	47	39	2	<0.1	4.00	<0.1	32	55.2	71	9.5	2.10	3.9	<0.05	0.57	13.9	5.6
3483162	Drill Core	5.99	0.392	<0.1	7.45	57	19	<1	<0.1	4.87	<0.1	39	44.6	26	7.3	1.65	2.6	<0.05	0.12	18.9	1.1
3483163	Drill Core	5.75	0.014	<0.1	7.14	16	21	<1	<0.1	5.47	<0.1	49	20.4	26	2.0	1.54	2.9	<0.05	0.14	23.7	1.6
3483164	Drill Core	4.61	0.010	<0.1	6.90	9	22	2	<0.1	5.09	<0.1	65	11.6	36	2.8	1.49	3.6	<0.05	0.15	31.4	1.8
3483165	Drill Core	5.67	0.014	<0.1	6.40	12	16	1	<0.1	6.09	<0.1	46	14.0	29	1.3	1.63	2.8	<0.05	0.15	21.4	1.5
3483166	Drill Core	5.09	0.043	<0.1	6.65	13	15	1	0.1	2.87	<0.1	47	17.7	35	3.9	1.13	2.5	<0.05	0.21	21.4	2.8
3483167	Drill Core	3.63	0.155	<0.1	6.12	24	22	1	<0.1	1.21	<0.1	47	26.5	44	44.0	0.93	2.6	<0.05	0.25	21.7	3.8
3483168	Drill Core	3.51	0.027	<0.1	5.73	55	22	3	0.2	4.22	<0.1	39	43.0	57	88.0	2.16	3.7	<0.05	0.21	19.4	4.5
3483169	Drill Core	5.39	0.035	<0.1	5.97	10	23	<1	<0.1	1.32	<0.1	44	10.3	23	2.7	0.66	1.6	<0.05	0.13	21.1	1.7
3569743	Drill Core	5.04	<0.005	<0.1	6.66	45	132	2	<0.1	2.21	<0.1	41	10.6	43	82.6	0.80	2.8	<0.05	0.37	16.2	3.0

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BUREAU VERITAS MINERAL LABORATORIES Canada

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

CERTIFICATE OF ANALYSIS TIM19002806.2

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3483141	Drill Core	1.64	250	0.5	3.874	1.2	34.0	0.034	2.3	1.5	<0.005	1.1	0.2	5	<1	1.9	39	0.1	<0.5	5.7	0.044
3483142	Drill Core	1.73	231	0.8	4.383	1.1	11.2	0.036	1.6	1.3	<0.005	0.2	0.2	6	<1	1.2	45	0.1	0.8	5.3	0.037
3483143	Drill Core	1.67	234	1.0	3.975	1.4	15.9	0.028	0.9	1.3	<0.005	0.5	0.2	5	<1	0.1	36	0.1	0.5	4.8	0.045
3483144	Drill Core	1.07	169	0.6	4.117	1.3	15.3	0.032	1.0	1.8	<0.005	0.4	0.2	4	<1	0.3	33	0.1	<0.5	6.4	0.049
3483145	Drill Core	1.95	287	0.6	3.995	1.0	16.6	0.026	0.9	1.1	<0.005	0.6	0.1	8	<1	<0.1	38	<0.1	0.6	4.8	0.034
3483146	Drill Core	1.18	178	0.5	4.638	1.4	12.8	0.028	0.8	1.2	<0.005	0.3	0.2	21	<1	0.2	36	0.1	<0.5	6.3	0.051
3483147	Drill Core	2.01	282	0.6	4.158	1.0	13.8	0.027	0.9	1.6	<0.005	0.4	0.2	13	<1	<0.1	52	0.1	0.9	4.9	0.033
3483148	Drill Core	2.50	334	0.5	3.834	0.8	18.2	0.026	1.0	1.4	<0.005	0.8	0.1	14	<1	<0.1	58	<0.1	1.4	4.9	0.024
3483149	Drill Core	1.50	227	0.5	4.627	0.7	41.7	0.028	1.3	2.8	<0.005	0.5	0.2	9	1	0.1	71	<0.1	<0.5	5.1	0.023
3483150	Silica	0.02	37	0.1	7.738	<0.1	0.4	<0.001	4.7	56.1	<0.005	<0.1	0.1	<1	<1	<0.1	28	<0.1	<0.5	0.2	<0.001
3483151	Drill Core	1.70	283	0.8	5.325	0.9	38.2	0.028	1.3	1.3	0.005	0.9	0.2	7	<1	<0.1	51	<0.1	0.7	4.5	0.028
3483152	Drill Core	2.23	399	0.6	5.619	2.2	37.0	0.040	1.8	2.0	<0.005	0.5	0.4	12	2	0.6	66	0.2	0.8	7.7	0.069
3483153	Drill Core	1.93	391	0.8	5.945	1.5	47.4	0.036	4.8	1.1	<0.005	0.7	0.5	10	2	0.3	63	0.1	1.3	5.8	0.049
3483154	Drill Core	2.57	452	0.9	5.504	1.7	53.2	0.041	5.2	1.7	<0.005	1.0	0.3	11	1	0.4	73	0.2	1.0	9.7	0.063
3483155	Drill Core	2.23	393	1.2	5.821	2.1	64.0	0.042	13.2	2.0	<0.005	0.5	0.6	8	2	0.5	65	0.2	0.8	9.8	0.072
3483156	Drill Core	3.02	557	0.7	5.668	2.9	29.4	0.031	1.8	1.7	<0.005	0.3	0.4	13	<1	0.8	70	0.3	0.9	11.0	0.102
3483157	Drill Core	3.01	540	0.7	5.417	2.2	24.8	0.034	1.5	2.2	<0.005	0.2	0.3	14	2	0.6	79	0.2	0.9	9.7	0.077
3483158	Drill Core	2.61	408	1.3	5.529	1.1	59.1	0.029	1.6	1.8	<0.005	0.7	0.4	13	<1	0.2	74	0.1	1.0	7.1	0.033
3483159	Drill Core	2.34	256	0.5	6.073	2.0	50.3	0.038	1.3	16.4	<0.005	0.1	0.3	14	<1	1.7	85	0.2	<0.5	8.2	0.111
3483160	Rock Pulp	3.88	2036	2.5	2.038	18.9	136.9	0.158	4.8	20.8	<0.005	0.7	2.3	19	1	1.4	368	1.1	<0.5	3.3	0.921
3483161	Drill Core	2.69	329	0.6	5.595	3.2	73.7	0.029	1.6	32.0	<0.005	0.5	0.5	16	1	2.1	84	0.3	<0.5	11.0	0.150
3483162	Drill Core	2.42	411	1.3	6.146	1.3	65.4	0.035	1.4	1.4	<0.005	0.4	0.3	10	2	<0.1	73	0.1	1.0	6.0	0.039
3483163	Drill Core	2.71	457	0.9	5.949	1.4	21.0	0.036	1.2	1.7	<0.005	0.2	0.2	12	<1	<0.1	81	0.2	1.1	7.8	0.039
3483164	Drill Core	2.63	427	1.0	5.753	1.7	17.3	0.049	1.3	2.1	<0.005	0.1	0.1	11	<1	0.1	84	0.2	0.9	9.4	0.052
3483165	Drill Core	3.09	514	1.0	5.385	2.0	16.9	0.030	1.1	1.8	<0.005	0.1	0.1	15	<1	0.2	73	0.2	0.9	9.4	0.059
3483166	Drill Core	1.64	284	0.6	5.551	1.4	20.8	0.040	1.1	1.6	<0.005	0.1	0.2	8	<1	0.2	64	0.1	<0.5	6.2	0.050
3483167	Drill Core	1.01	145	0.8	5.079	1.7	27.5	0.039	1.2	7.4	<0.005	0.2	0.3	6	<1	0.4	61	0.2	<0.5	6.2	0.071
3483168	Drill Core	2.65	349	0.6	4.497	2.2	101.2	0.027	3.3	13.1	<0.005	0.8	0.9	12	<1	0.7	81	0.2	0.8	8.5	0.087
3483169	Drill Core	0.83	112	0.6	5.109	0.9	12.5	0.034	0.9	2.0	<0.005	<0.1	0.2	4	<1	<0.1	64	<0.1	<0.5	4.7	0.030
3569743	Drill Core	1.53	149	0.5	5.667	1.3	35.5	0.049	2.1	12.6	<0.005	<0.1	0.2	8	<1	0.2	99	0.1	<0.5	7.2	0.051

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Project: SPJ
Report Date: January 29, 2020

CERTIFICATE OF ANALYSIS TIM19002806.2

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA550
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3483141	Drill Core	<0.5	1.7	32	2.7	6.2	1	82.9	
3483142	Drill Core	<0.5	1.3	27	1.7	5.3	<1	60.9	
3483143	Drill Core	<0.5	1.4	27	2.4	5.1	<1	64.8	
3483144	Drill Core	<0.5	1.5	26	1.7	5.3	<1	74.9	
3483145	Drill Core	<0.5	1.4	26	1.6	5.7	<1	66.0	
3483146	Drill Core	<0.5	1.7	25	1.7	5.9	<1	79.3	
3483147	Drill Core	<0.5	1.4	29	1.7	6.0	<1	58.7	
3483148	Drill Core	<0.5	1.4	36	1.1	6.7	<1	61.3	
3483149	Drill Core	<0.5	1.1	26	1.2	6.1	<1	56.3	
3483150	Silica	0.6	<0.1	<1	<0.1	1.7	2	9.0	
3483151	Drill Core	<0.5	1.1	26	1.2	4.7	<1	70.0	
3483152	Drill Core	<0.5	1.9	36	3.1	9.0	1	91.0	
3483153	Drill Core	<0.5	1.1	33	2.4	8.3	5	80.1	
3483154	Drill Core	<0.5	2.2	48	3.9	9.5	3	111.0	
3483155	Drill Core	<0.5	2.5	53	3.1	9.6	4	107.9	
3483156	Drill Core	<0.5	3.0	55	4.9	11.4	2	122.9	
3483157	Drill Core	<0.5	2.2	42	3.3	10.5	1	101.7	
3483158	Drill Core	<0.5	2.0	29	1.6	7.8	6	88.0	
3483159	Drill Core	<0.5	0.8	85	2.0	9.5	3	112.0	
3483160	Rock Pulp	<0.5	0.9	162	1.2	21.6	110	121.5	
3483161	Drill Core	<0.5	2.1	93	3.0	14.8	2	146.3	
3483162	Drill Core	<0.5	1.7	26	1.9	7.0	<1	87.5	
3483163	Drill Core	<0.5	1.8	28	1.8	6.6	<1	106.0	
3483164	Drill Core	<0.5	2.1	35	1.9	7.7	<1	130.3	
3483165	Drill Core	<0.5	2.5	32	2.3	8.3	<1	101.8	
3483166	Drill Core	<0.5	1.6	31	1.3	7.2	1	85.9	
3483167	Drill Core	<0.5	1.8	45	1.1	7.0	2	91.6	
3483168	Drill Core	<0.5	2.8	78	4.8	13.1	4	132.1	
3483169	Drill Core	<0.5	2.4	19	0.7	4.8	<1	61.9	
3569743	Drill Core	<0.5	2.2	40	0.5	9.7	10	103.4	

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Project: SPJ
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CERTIFICATE OF ANALYSIS TIM19002806.2

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3569744	Drill Core	3.89	<0.005	<0.1	6.27	11	170	2	<0.1	1.10	<0.1	31	4.9	35	14.4	0.88	2.2	<0.05	0.56	12.6	6.1
3569745	Drill Core	3.80	<0.005	<0.1	6.25	9	175	2	<0.1	0.79	<0.1	21	4.7	34	8.8	0.75	2.2	<0.05	0.59	8.8	5.2
3569746	Drill Core	3.99	<0.005	<0.1	6.02	3	192	2	<0.1	0.73	0.1	71	3.2	20	10.3	0.77	1.1	<0.05	0.40	34.8	4.5
3569747	Drill Core	4.44	<0.005	<0.1	5.85	4	220	2	0.2	0.28	<0.1	21	4.8	45	12.0	1.18	2.2	<0.05	0.68	10.1	8.6
3569748	Drill Core	6.21	<0.005	<0.1	5.09	4	187	1	<0.1	0.49	<0.1	31	5.0	28	5.0	0.79	1.2	<0.05	0.43	14.6	5.6
3569749	Drill Core	5.81	<0.005	<0.1	6.25	2	202	2	<0.1	0.76	<0.1	25	4.0	31	2.0	0.87	1.6	<0.05	0.52	10.6	6.1
3569750	Silica	0.21	<0.005	<0.1	8.94	<1	18	<1	<0.1	0.16	<0.1	1	<0.2	1	0.7	0.20	0.2	<0.05	4.02	0.6	24.6
3569751	Drill Core	4.25	<0.005	<0.1	5.67	10	211	2	<0.1	0.30	<0.1	31	9.0	48	4.9	1.08	2.0	<0.05	0.63	13.4	7.4
3569752	Drill Core	4.44	<0.005	<0.1	5.23	12	184	2	<0.1	0.48	<0.1	23	9.5	41	5.7	0.96	1.4	<0.05	0.53	10.0	6.3
3569753	Drill Core	4.26	<0.005	<0.1	5.08	8	180	2	<0.1	0.47	<0.1	24	4.9	34	5.8	0.87	1.7	<0.05	0.50	10.8	5.7
3569754	Drill Core	3.80	<0.005	<0.1	5.78	2	129	2	<0.1	0.73	<0.1	33	2.6	29	1.6	0.85	1.6	<0.05	0.43	14.7	4.9
3569755	Drill Core	4.96	<0.005	<0.1	6.12	11	163	2	<0.1	0.96	<0.1	29	5.9	40	2.1	1.02	2.4	<0.05	0.64	13.2	6.7
3569756	Drill Core	4.29	<0.005	<0.1	6.35	11	199	4	<0.1	0.83	<0.1	29	6.9	49	5.5	1.16	2.3	<0.05	0.76	13.2	8.9
3569757	Drill Core	2.69	1.739	<0.1	6.36	3	71	3	<0.1	2.10	0.3	29	5.2	54	74.1	3.32	1.7	0.05	0.22	13.5	7.8
3569758	Drill Core	5.21	0.006	<0.1	6.75	2	85	2	<0.1	1.57	<0.1	23	2.5	35	24.2	1.67	1.7	<0.05	0.19	10.8	3.8
3569759	Drill Core	3.59	<0.005	<0.1	5.13	2	57	2	<0.1	0.45	1.2	18	4.3	48	39.8	1.73	2.6	<0.05	0.15	7.2	4.1
3569760	Rock Pulp	0.07	0.545	0.2	7.25	4	147	<1	0.2	7.02	<0.1	10	49.4	187	157.5	8.19	1.7	0.09	0.19	3.8	11.8
3569761	Drill Core	3.91	<0.005	<0.1	6.21	4	86	2	0.1	0.72	0.2	60	9.2	45	76.2	2.74	1.7	<0.05	0.21	26.2	6.5
3569762	Drill Core	3.92	<0.005	<0.1	6.12	3	90	2	<0.1	0.86	0.1	30	2.9	57	23.6	1.81	1.7	<0.05	0.24	12.3	5.7
3569763	Drill Core	4.13	<0.005	<0.1	5.41	2	154	2	<0.1	0.46	<0.1	35	3.1	47	2.7	1.12	2.8	<0.05	0.52	15.1	6.0
3569764	Drill Core	4.90	<0.005	<0.1	6.30	3	221	3	<0.1	0.66	<0.1	33	2.7	43	4.7	1.28	2.0	<0.05	0.56	15.3	4.7
3569765	Drill Core	4.33	<0.005	<0.1	6.92	5	125	3	<0.1	2.29	0.2	68	4.1	91	28.4	2.87	3.4	0.08	0.34	29.1	6.6
3569766	Drill Core	4.23	<0.005	<0.1	6.57	5	220	2	<0.1	0.69	<0.1	50	3.9	62	15.1	1.42	3.0	<0.05	0.43	20.7	6.9
3569767	Drill Core	5.43	<0.005	<0.1	6.24	10	237	2	<0.1	0.48	<0.1	36	7.6	43	8.0	1.19	3.0	<0.05	0.79	15.3	8.5
3569768	Drill Core	5.20	<0.005	<0.1	5.88	3	217	1	<0.1	0.59	<0.1	32	9.1	36	5.3	1.12	2.0	<0.05	0.48	14.7	6.4
3569769	Drill Core	5.86	<0.005	<0.1	5.99	<1	292	2	0.1	0.58	<0.1	71	5.0	31	3.4	0.97	1.5	<0.05	0.59	33.6	6.1
3569770	Drill Core	6.15	<0.005	<0.1	5.78	4	396	2	0.1	0.33	<0.1	34	8.3	67	8.6	1.19	3.4	<0.05	0.83	15.4	9.5
3569771	Drill Core	6.47	<0.005	<0.1	5.93	3	326	1	<0.1	0.56	<0.1	30	4.7	35	6.5	0.99	1.7	<0.05	0.71	13.0	7.2
3569772	Drill Core	5.19	<0.005	<0.1	6.29	2	326	2	<0.1	0.68	<0.1	28	4.4	45	6.2	1.45	1.9	<0.05	0.70	12.2	8.9
3569773	Drill Core	5.20	<0.005	<0.1	5.95	4	389	1	<0.1	0.38	<0.1	12	4.6	52	5.2	1.01	2.1	<0.05	0.77	5.4	10.3

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BUREAU VERITAS MINERAL LABORATORIES Canada

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Bureau Veritas Commodities Canada Ltd.

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

CERTIFICATE OF ANALYSIS TIM19002806.2

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3569744	Drill Core	1.56	91	0.2	4.897	1.1	25.5	0.044	1.6	27.1	<0.005	<0.1	0.1	5	<1	0.2	114	0.1	<0.5	5.2	0.055
3569745	Drill Core	1.24	76	0.3	5.302	1.1	24.0	0.039	1.2	23.0	<0.005	<0.1	<0.1	4	<1	0.2	95	0.1	<0.5	4.2	0.056
3569746	Drill Core	1.06	70	0.1	5.040	0.8	13.5	0.025	3.8	12.2	<0.005	<0.1	0.1	4	<1	<0.1	121	<0.1	<0.5	2.5	0.042
3569747	Drill Core	1.75	54	0.3	5.140	1.0	23.9	0.042	1.6	26.9	<0.005	<0.1	0.1	6	<1	0.1	92	0.1	<0.5	4.0	0.067
3569748	Drill Core	1.00	59	0.4	4.936	0.7	15.1	0.029	1.6	7.8	<0.005	<0.1	0.2	5	<1	<0.1	97	<0.1	<0.5	2.5	0.041
3569749	Drill Core	1.47	70	0.3	5.091	0.9	18.1	0.038	1.4	14.5	<0.005	<0.1	<0.1	6	<1	0.1	124	<0.1	<0.5	3.6	0.055
3569750	Silica	0.02	37	0.1	7.963	<0.1	0.4	<0.001	4.7	58.8	<0.005	<0.1	0.1	<1	<1	<0.1	30	<0.1	<0.5	0.2	<0.001
3569751	Drill Core	1.68	46	0.4	5.412	1.5	24.5	0.046	1.5	19.8	<0.005	<0.1	<0.1	8	<1	0.2	94	0.2	<0.5	4.6	0.078
3569752	Drill Core	1.38	68	0.2	4.848	1.1	22.5	0.039	1.9	13.6	<0.005	<0.1	0.1	5	<1	<0.1	96	0.1	<0.5	3.2	0.058
3569753	Drill Core	1.22	67	0.2	4.862	0.8	20.0	0.033	1.7	10.4	<0.005	<0.1	0.2	4	<1	<0.1	89	<0.1	<0.5	3.1	0.047
3569754	Drill Core	1.21	123	0.4	4.931	1.1	15.0	0.034	1.0	12.4	<0.005	<0.1	<0.1	5	<1	<0.1	65	<0.1	<0.5	2.9	0.055
3569755	Drill Core	1.53	132	0.3	5.076	1.2	27.2	0.039	1.0	22.8	<0.005	<0.1	0.1	6	<1	0.2	82	0.1	<0.5	4.8	0.071
3569756	Drill Core	1.77	113	0.3	5.299	1.4	30.8	0.041	1.1	28.0	<0.005	<0.1	0.1	7	<1	0.2	87	0.1	<0.5	4.9	0.086
3569757	Drill Core	2.90	367	0.5	3.999	1.3	6.9	0.031	41.8	10.9	<0.005	0.6	0.8	17	1	0.3	48	0.1	0.5	4.6	0.053
3569758	Drill Core	1.54	267	0.2	5.214	0.8	3.2	0.030	34.3	6.0	<0.005	0.2	0.5	9	<1	<0.1	58	<0.1	<0.5	3.6	0.043
3569759	Drill Core	0.97	84	0.4	5.059	1.4	5.1	0.058	54.2	0.9	<0.005	0.3	0.8	4	<1	<0.1	34	0.1	<0.5	3.4	0.061
3569760	Rock Pulp	4.33	1477	0.6	2.221	3.8	101.0	0.041	2.9	3.7	<0.005	0.1	0.4	45	1	0.8	119	0.2	0.8	0.9	0.701
3569761	Drill Core	1.57	138	0.3	5.054	1.0	8.5	0.044	17.5	4.2	<0.005	0.7	1.0	7	2	0.3	50	0.1	<0.5	3.6	0.056
3569762	Drill Core	1.36	160	0.7	5.485	1.1	8.1	0.036	5.5	3.2	<0.005	0.2	0.9	6	1	0.3	50	0.1	<0.5	2.8	0.063
3569763	Drill Core	1.06	78	0.8	5.652	1.4	17.3	0.042	2.1	10.3	<0.005	<0.1	0.2	5	<1	0.2	64	0.2	<0.5	3.8	0.091
3569764	Drill Core	1.01	102	0.3	5.186	1.3	19.1	0.041	3.6	26.2	<0.005	<0.1	0.2	5	<1	0.4	103	0.1	<0.5	4.4	0.085
3569765	Drill Core	2.54	465	0.5	4.764	1.8	9.9	0.045	23.6	9.2	<0.005	0.2	0.7	12	<1	1.1	53	0.2	<0.5	5.6	0.107
3569766	Drill Core	1.12	107	0.6	5.768	1.7	17.8	0.043	13.1	10.8	<0.005	0.1	0.6	7	<1	0.4	86	0.2	<0.5	7.2	0.082
3569767	Drill Core	1.73	72	0.3	5.057	1.6	27.7	0.044	1.4	40.6	<0.005	<0.1	0.1	8	<1	0.2	122	0.2	<0.5	7.0	0.080
3569768	Drill Core	1.45	73	0.4	4.475	1.0	22.4	0.038	1.6	18.5	<0.005	0.1	0.2	5	1	0.1	149	<0.1	<0.5	4.3	0.052
3569769	Drill Core	1.28	52	0.2	4.691	1.1	17.9	0.034	1.3	27.1	<0.005	<0.1	0.1	5	<1	0.2	142	0.1	<0.5	3.6	0.064
3569770	Drill Core	1.69	38	1.4	4.919	1.8	29.7	0.062	1.4	38.1	<0.005	0.1	0.1	8	2	0.3	126	0.2	<0.5	7.2	0.098
3569771	Drill Core	1.27	42	0.2	4.577	1.2	18.7	0.032	1.2	26.9	<0.005	<0.1	0.1	6	<1	0.2	136	0.1	<0.5	3.7	0.070
3569772	Drill Core	1.43	82	0.8	4.864	1.2	22.7	0.036	1.2	23.6	<0.005	<0.1	0.2	7	<1	0.4	144	0.1	<0.5	3.9	0.070
3569773	Drill Core	1.55	39	0.3	4.915	1.3	22.8	0.050	1.1	32.5	<0.005	<0.1	0.1	9	<1	0.1	142	0.1	<0.5	4.7	0.082

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Project: SPJ
Report Date: January 29, 2020

CERTIFICATE OF ANALYSIS TIM19002806.2

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA550
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3569744	Drill Core	<0.5	1.6	44	0.4	7.9	6	77.4	
3569745	Drill Core	<0.5	1.7	43	0.5	5.7	15	75.2	
3569746	Drill Core	<0.5	0.6	24	0.2	6.7	54	37.2	
3569747	Drill Core	<0.5	0.7	45	0.1	3.6	4	74.8	
3569748	Drill Core	<0.5	0.6	27	0.2	3.4	2	47.1	
3569749	Drill Core	<0.5	0.6	42	0.1	4.7	3	49.1	
3569750	Silica	0.7	<0.1	<1	<0.1	1.6	2	8.7	
3569751	Drill Core	<0.5	0.6	55	0.2	4.1	4	71.4	
3569752	Drill Core	<0.5	0.6	39	0.2	4.0	3	51.6	
3569753	Drill Core	<0.5	0.5	36	0.1	3.5	2	59.5	
3569754	Drill Core	<0.5	0.8	32	0.3	5.8	3	55.5	
3569755	Drill Core	<0.5	1.2	45	0.5	8.3	4	85.7	
3569756	Drill Core	<0.5	1.1	61	0.3	7.7	5	82.7	
3569757	Drill Core	<0.5	2.0	63	2.1	13.1	39	56.6	
3569758	Drill Core	<0.5	1.4	32	1.9	10.1	15	57.9	
3569759	Drill Core	<0.5	1.2	37	2.9	4.1	328	90.2	
3569760	Rock Pulp	<0.5	0.1	341	1.1	22.1	83	51.0	
3569761	Drill Core	<0.5	1.1	43	3.1	5.6	77	64.7	
3569762	Drill Core	<0.5	0.9	51	2.2	4.6	28	65.1	
3569763	Drill Core	<0.5	0.8	48	1.4	3.8	11	97.1	
3569764	Drill Core	<0.5	1.2	44	0.8	5.3	21	72.5	
3569765	Drill Core	<0.5	2.1	63	5.0	12.8	79	121.6	
3569766	Drill Core	<0.5	2.1	58	1.3	7.0	26	112.8	
3569767	Drill Core	<0.5	2.1	54	0.2	7.6	3	112.2	
3569768	Drill Core	<0.5	1.3	34	0.2	5.7	3	70.3	
3569769	Drill Core	<0.5	0.8	32	0.1	5.4	2	53.5	
3569770	Drill Core	<0.5	1.8	58	0.2	6.4	2	119.7	
3569771	Drill Core	<0.5	1.2	39	0.2	5.2	2	61.8	
3569772	Drill Core	<0.5	1.0	45	0.2	5.7	2	63.5	
3569773	Drill Core	<0.5	1.0	54	0.2	5.2	2	73.6	

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Project: SPJ
Report Date: January 29, 2020

CERTIFICATE OF ANALYSIS TIM19002806.2

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3569774	Drill Core	6.85	0.006	<0.1	6.49	5	406	2	0.1	0.72	<0.1	44	4.7	41	10.3	0.89	2.0	<0.05	0.77	20.7	9.1
3569775	Silica	0.21	<0.005	<0.1	8.89	<1	16	<1	<0.1	0.16	<0.1	1	<0.2	1	0.7	0.20	0.2	<0.05	4.06	0.6	23.2
3569776	Drill Core	5.89	<0.005	<0.1	5.95	2	579	2	<0.1	0.30	<0.1	10	5.4	52	3.3	1.10	2.6	<0.05	0.97	4.3	11.3
3569777	Drill Core	6.31	<0.005	<0.1	5.88	2	545	2	<0.1	0.52	<0.1	38	8.2	49	2.9	1.20	2.6	<0.05	0.84	17.6	8.7
3569778	Drill Core	5.32	<0.005	<0.1	5.85	2	624	2	0.1	0.63	<0.1	75	7.0	46	3.1	1.22	2.2	<0.05	0.83	34.4	8.7
3569779	Drill Core	5.52	<0.005	<0.1	5.84	2	653	2	<0.1	0.50	<0.1	83	6.3	46	4.6	1.26	2.1	<0.05	0.84	39.0	8.4
3569780	Rock Pulp	0.07	5.348	0.9	6.43	23	220	<1	0.3	5.49	0.2	12	41.7	282	137.9	7.34	1.5	<0.05	0.47	5.1	18.2
3569781	Drill Core	5.64	<0.005	<0.1	5.70	2	313	1	<0.1	0.48	<0.1	23	4.3	35	3.0	0.98	1.6	<0.05	0.62	10.5	7.2
3569782	Drill Core	4.78	<0.005	<0.1	5.99	6	242	2	<0.1	0.67	<0.1	19	12.5	40	10.3	1.09	1.8	<0.05	0.59	8.6	7.7
3569783	Drill Core	3.83	<0.005	<0.1	5.43	5	174	2	<0.1	0.42	<0.1	22	3.7	38	5.4	0.96	2.3	<0.05	0.46	9.8	7.2
3569784	Drill Core	3.12	0.009	<0.1	6.06	9	93	1	<0.1	1.35	<0.1	23	4.8	41	5.8	0.82	2.3	<0.05	0.33	10.8	5.1
3569785	Drill Core	3.09	0.023	<0.1	6.01	71	105	2	0.2	1.26	<0.1	49	22.4	30	121.3	0.88	1.7	<0.05	0.37	23.0	5.5
3569786	Drill Core	3.49	<0.005	<0.1	5.86	3	152	2	<0.1	0.36	<0.1	13	2.3	27	3.9	0.76	1.3	<0.05	0.49	5.9	6.0
3569787	Drill Core	4.09	1.060	0.2	6.20	321	114	2	2.5	1.42	<0.1	36	87.3	78	556.1	3.89	2.4	0.09	0.39	16.9	5.4
3569788	Rock Pulp	0.07	>10	2.1	5.41	63	235	<1	0.6	3.89	0.3	12	33.8	507	120.3	4.60	1.2	<0.05	0.74	6.2	31.1
3569789	Drill Core	3.89	0.032	<0.1	6.40	43	84	3	0.2	1.82	<0.1	40	10.5	24	5.8	0.61	1.3	<0.05	0.21	20.1	1.4
3569790	Drill Core	3.35	0.021	<0.1	6.47	32	78	2	0.1	1.68	<0.1	29	12.2	31	7.2	0.71	2.1	<0.05	0.24	13.5	2.8
3569791	Drill Core	5.14	0.032	<0.1	6.30	31	57	1	<0.1	2.10	<0.1	31	11.5	32	5.6	0.73	2.2	<0.05	0.18	14.7	2.5
3569792	Drill Core	3.55	0.010	<0.1	6.05	19	103	2	<0.1	0.97	<0.1	39	9.9	49	15.5	1.09	2.9	<0.05	0.44	18.0	5.5
3569793	Drill Core	5.19	0.008	<0.1	6.38	19	68	2	<0.1	1.44	<0.1	43	8.3	34	12.0	0.73	2.0	<0.05	0.25	20.3	3.2
3569794	Drill Core	4.63	<0.005	<0.1	5.52	10	109	2	<0.1	0.48	<0.1	25	4.9	21	4.7	0.67	1.2	<0.05	0.33	11.2	4.9
3569795	Drill Core	4.21	0.007	<0.1	5.02	6	104	1	0.1	0.63	<0.1	18	2.5	18	9.7	0.67	0.9	<0.05	0.26	8.9	4.3
3569796	Drill Core	4.47	<0.005	0.8	5.71	17	116	1	0.3	0.70	<0.1	37	4.3	30	25.0	0.82	1.8	<0.05	0.33	16.1	5.5
3569797	Drill Core	4.97	<0.005	<0.1	5.67	8	131	2	0.1	0.56	<0.1	25	2.5	25	6.9	0.79	1.3	<0.05	0.40	11.9	5.2
3569798	Silica	0.21	<0.005	0.1	9.12	2	17	<1	<0.1	0.16	<0.1	1	<0.2	<1	0.5	0.20	0.2	<0.05	3.79	0.6	23.1
3569799	Drill Core	6.09	<0.005	<0.1	6.19	11	57	2	<0.1	3.17	<0.1	42	4.1	32	10.6	0.95	2.1	<0.05	0.23	20.6	2.7
3569800	Rock Pulp	0.07	1.542	0.2	7.10	424	325	<1	0.1	5.57	<0.1	34	43.3	193	79.5	8.34	2.8	0.06	0.66	17.6	9.0

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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3569774	Drill Core	1.23	39	0.3	4.912	1.1	20.1	0.043	1.3	28.3	<0.005	<0.1	0.1	6	1	0.2	132	0.1	<0.5	4.9	0.064
3569775	Silica	0.02	35	<0.1	7.509	<0.1	0.5	<0.001	4.6	58.4	<0.005	<0.1	0.1	<1	<1	<0.1	28	<0.1	<0.5	0.1	<0.001
3569776	Drill Core	1.61	38	0.3	4.909	1.4	25.8	0.044	1.0	37.0	<0.005	<0.1	0.1	8	<1	0.3	111	0.1	<0.5	5.6	0.086
3569777	Drill Core	1.56	37	0.2	4.383	1.7	25.8	0.051	1.3	36.8	<0.005	0.1	0.1	7	<1	0.3	156	0.2	<0.5	5.9	0.095
3569778	Drill Core	1.52	37	0.3	4.361	1.6	25.8	0.044	1.3	28.1	<0.005	0.1	0.1	6	<1	0.3	163	0.2	<0.5	4.5	0.094
3569779	Drill Core	1.60	37	0.2	4.308	1.5	25.9	0.041	1.5	35.1	<0.005	<0.1	<0.1	6	<1	0.4	167	0.2	<0.5	4.7	0.090
3569780	Rock Pulp	4.14	1275	3.2	1.927	3.3	123.2	0.039	16.1	14.1	<0.005	0.4	0.4	33	<1	0.6	108	0.2	0.7	1.1	0.603
3569781	Drill Core	1.32	35	0.2	4.586	1.3	21.1	0.025	1.1	22.6	<0.005	<0.1	0.1	6	1	0.2	125	0.1	<0.5	3.4	0.070
3569782	Drill Core	1.49	51	0.3	4.834	1.5	25.0	0.035	1.9	19.0	<0.005	0.1	0.2	6	<1	1.4	124	0.1	<0.5	3.7	0.073
3569783	Drill Core	1.38	41	0.3	5.075	1.6	22.5	0.035	0.9	10.4	<0.005	<0.1	<0.1	6	1	0.1	91	0.1	<0.5	3.6	0.068
3569784	Drill Core	1.01	74	0.4	5.414	1.4	15.1	0.035	1.1	5.9	<0.005	<0.1	<0.1	5	1	0.1	75	0.1	<0.5	3.8	0.060
3569785	Drill Core	1.07	75	0.5	4.739	0.7	66.0	0.062	2.6	13.8	<0.005	0.2	0.4	4	1	0.2	111	<0.1	<0.5	4.0	0.040
3569786	Drill Core	1.24	43	0.3	5.017	0.7	17.7	0.026	1.1	18.2	<0.005	<0.1	<0.1	5	<1	0.1	107	<0.1	<0.5	2.9	0.046
3569787	Drill Core	1.27	102	0.4	4.626	0.6	287.7	0.154	18.2	16.2	<0.005	3.8	1.1	6	9	0.3	119	<0.1	2.7	9.4	0.034
3569788	Rock Pulp	4.36	771	6.5	1.226	2.0	233.2	0.025	37.6	28.4	<0.005	0.9	0.7	21	<1	0.4	87	0.2	1.8	1.9	0.247
3569789	Drill Core	0.87	162	0.3	5.425	0.7	20.4	0.039	2.5	3.0	<0.005	0.2	0.2	5	1	<0.1	99	<0.1	<0.5	3.3	0.024
3569790	Drill Core	0.94	143	0.6	5.406	1.1	20.3	0.048	2.1	4.5	<0.005	0.2	0.2	4	<1	<0.1	90	0.1	<0.5	5.4	0.039
3569791	Drill Core	1.12	175	0.6	4.886	0.8	20.4	0.039	2.9	2.9	<0.005	0.2	0.2	5	<1	<0.1	85	<0.1	<0.5	5.7	0.029
3569792	Drill Core	1.56	112	0.4	4.788	2.0	45.0	0.055	2.9	14.9	<0.005	0.2	0.1	7	1	0.2	68	0.2	<0.5	5.0	0.090
3569793	Drill Core	0.98	119	0.6	5.085	1.0	21.1	0.047	1.7	5.7	<0.005	0.2	0.2	5	1	<0.1	86	<0.1	<0.5	4.8	0.037
3569794	Drill Core	0.89	57	0.3	5.222	0.6	16.7	0.020	1.0	4.3	<0.005	<0.1	<0.1	3	<1	<0.1	87	<0.1	<0.5	2.0	0.031
3569795	Drill Core	0.97	79	0.4	3.740	0.5	14.0	0.020	1.0	7.8	<0.005	<0.1	0.2	4	<1	0.4	92	<0.1	<0.5	3.3	0.026
3569796	Drill Core	1.31	83	0.5	4.955	0.9	25.2	0.035	1.5	5.8	<0.005	<0.1	0.1	5	<1	0.3	102	<0.1	<0.5	4.1	0.040
3569797	Drill Core	1.24	66	0.4	4.939	0.6	22.6	0.032	1.2	9.7	<0.005	<0.1	0.1	5	<1	0.2	101	<0.1	<0.5	2.6	0.040
3569798	Silica	0.03	40	0.2	7.613	0.1	0.6	0.001	4.6	59.1	<0.005	<0.1	0.2	<1	<1	0.2	32	<0.1	<0.5	0.3	<0.001
3569799	Drill Core	2.16	332	0.5	4.714	0.7	16.2	0.047	1.2	3.8	<0.005	<0.1	0.1	8	<1	<0.1	78	<0.1	<0.5	4.7	0.025
3569800	Rock Pulp	3.80	1964	2.6	2.074	17.7	136.8	0.160	4.2	18.9	<0.005	0.7	2.0	18	<1	1.4	343	1.0	<0.5	2.9	0.907

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

CERTIFICATE OF ANALYSIS TIM19002806.2

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA550
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3569774	Drill Core	<0.5	1.4	44	0.3	6.2	2	76.0	
3569775	Silica	0.6	<0.1	<1	<0.1	1.3	2	11.5	
3569776	Drill Core	<0.5	1.9	57	0.3	6.4	1	90.4	
3569777	Drill Core	<0.5	1.1	44	0.2	6.6	2	95.9	
3569778	Drill Core	<0.5	0.7	42	0.1	6.2	2	84.5	
3569779	Drill Core	<0.5	1.1	43	0.2	6.9	2	76.6	
3569780	Rock Pulp	<0.5	0.2	282	5.3	18.9	84	48.2	
3569781	Drill Core	<0.5	1.1	38	0.2	4.8	1	57.2	
3569782	Drill Core	<0.5	1.6	42	0.3	6.0	2	65.1	
3569783	Drill Core	<0.5	0.7	43	0.2	5.3	2	77.5	
3569784	Drill Core	<0.5	1.8	38	0.9	5.9	1	82.3	
3569785	Drill Core	<0.5	1.5	28	0.4	8.3	2	57.5	
3569786	Drill Core	<0.5	0.7	35	0.2	3.5	2	50.0	
3569787	Drill Core	<0.5	2.8	45	0.4	12.3	12	94.0	
3569788	Rock Pulp	<0.5	0.5	142	12.9	10.1	79	50.8	12.1
3569789	Drill Core	<0.5	1.7	16	0.7	8.4	<1	44.8	
3569790	Drill Core	<0.5	2.4	22	0.8	8.6	<1	80.9	
3569791	Drill Core	<0.5	2.1	20	0.6	10.3	17	81.1	
3569792	Drill Core	<0.5	1.5	47	1.0	8.8	3	99.3	
3569793	Drill Core	<0.5	1.9	28	0.8	8.3	2	69.5	
3569794	Drill Core	<0.5	0.5	27	0.3	2.8	2	39.6	
3569795	Drill Core	<0.5	0.6	27	0.8	2.8	3	32.3	
3569796	Drill Core	<0.5	0.6	40	2.5	3.9	3	62.2	
3569797	Drill Core	<0.5	0.4	39	0.2	3.1	2	47.8	
3569798	Silica	0.6	<0.1	<1	<0.1	1.6	3	9.1	
3569799	Drill Core	<0.5	1.4	36	1.1	14.5	2	72.7	
3569800	Rock Pulp	<0.5	0.8	154	1.4	19.8	107	115.1	

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

QUALITY CONTROL REPORT TIM19002806.2

Method		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
Unit		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
MDL		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
Pulp Duplicates																					
3483144	Drill Core	6.06	0.065	<0.1	5.05	49	12	<1	0.2	1.89	<0.1	55	13.4	34	1.6	1.02	2.1	<0.05	0.14	26.5	1.5
REP 3483144	QC		0.063																		
3483160	Rock Pulp	0.07	1.523	0.2	7.31	517	341	<1	<0.1	5.78	<0.1	36	42.4	196	78.8	8.46	3.1	<0.05	0.67	18.7	9.1
REP 3483160	QC			0.2	7.19	495	344	1	0.1	5.75	<0.1	37	42.8	197	76.9	8.41	3.2	0.07	0.66	19.0	9.4
3569752	Drill Core	4.44	<0.005	<0.1	5.23	12	184	2	<0.1	0.48	<0.1	23	9.5	41	5.7	0.96	1.4	<0.05	0.53	10.0	6.3
REP 3569752	QC		<0.005																		
3569764	Drill Core	4.90	<0.005	<0.1	6.30	3	221	3	<0.1	0.66	<0.1	33	2.7	43	4.7	1.28	2.0	<0.05	0.56	15.3	4.7
REP 3569764	QC		<0.005																		
3569768	Drill Core	5.20	<0.005	<0.1	5.88	3	217	1	<0.1	0.59	<0.1	32	9.1	36	5.3	1.12	2.0	<0.05	0.48	14.7	6.4
REP 3569768	QC			<0.1	5.89	3	211	2	<0.1	0.60	<0.1	31	8.9	37	4.7	1.13	2.1	<0.05	0.48	14.1	6.7
3569774	Drill Core	6.85	0.006	<0.1	6.49	5	406	2	0.1	0.72	<0.1	44	4.7	41	10.3	0.89	2.0	<0.05	0.77	20.7	9.1
REP 3569774	QC		<0.005																		
3569796	Drill Core	4.47	<0.005	0.8	5.71	17	116	1	0.3	0.70	<0.1	37	4.3	30	25.0	0.82	1.8	<0.05	0.33	16.1	5.5
REP 3569796	QC			0.1	5.89	17	110	1	<0.1	0.70	<0.1	38	3.9	31	24.0	0.81	1.7	<0.05	0.32	17.0	5.2
Core Reject Duplicates																					
3483158	Drill Core	4.55	0.035	<0.1	6.71	22	19	1	0.2	5.23	<0.1	58	58.9	28	2.4	1.91	2.7	<0.05	0.13	28.0	1.1
DUP 3483158	QC		0.035	<0.1	6.77	20	19	2	0.2	5.20	<0.1	60	59.2	31	2.6	1.93	2.4	<0.05	0.13	28.9	1.4
3569765	Drill Core	4.33	<0.005	<0.1	6.92	5	125	3	<0.1	2.29	0.2	68	4.1	91	28.4	2.87	3.4	0.08	0.34	29.1	6.6
DUP 3569765	QC		0.006	<0.1	6.87	5	119	4	<0.1	2.22	0.1	66	4.2	86	27.5	2.77	3.1	<0.05	0.33	28.2	6.4
3569799	Drill Core	6.09	<0.005	<0.1	6.19	11	57	2	<0.1	3.17	<0.1	42	4.1	32	10.6	0.95	2.1	<0.05	0.23	20.6	2.7
DUP 3569799	QC		<0.005	<0.1	6.22	10	60	2	<0.1	3.18	<0.1	42	4.1	31	10.0	0.94	2.0	<0.05	0.23	20.6	2.9
Reference Materials																					
STD OREAS25A-4A	Standard			<0.1	8.91	9	138	<1	0.5	0.28	<0.1	45	7.6	118	32.8	6.46	3.6	0.19	0.49	19.6	35.8
STD OREAS25A-4A	Standard			<0.1	8.65	10	142	<1	0.8	0.27	<0.1	46	7.6	117	33.5	6.45	4.3	0.08	0.47	19.8	37.9
STD OREAS25A-4A	Standard			<0.1	8.65	10	145	<1	0.4	0.27	<0.1	45	7.5	113	32.8	6.38	4.3	0.08	0.48	19.9	37.4
STD OREAS25A-4A	Standard			<0.1	8.95	9	151	<1	0.5	0.29	<0.1	48	7.8	118	34.7	6.64	4.3	0.08	0.49	20.7	39.8
STD OREAS25A-4A	Standard			<0.1	8.85	9	154	<1	0.3	0.29	<0.1	47	7.6	116	32.4	6.64	4.3	0.13	0.51	21.5	36.1
STD OREAS45H	Standard			0.1	7.98	14	317	<1	0.5	0.13	<0.1	23	86.3	653	760.3	19.06	3.1	0.15	0.19	11.7	12.2

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

QUALITY CONTROL REPORT TIM19002806.2

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
Pulp Duplicates																					
3483144	Drill Core	1.07	169	0.6	4.117	1.3	15.3	0.032	1.0	1.8	<0.005	0.4	0.2	4	<1	0.3	33	0.1	<0.5	6.4	0.049
REP 3483144	QC																				
3483160	Rock Pulp	3.88	2036	2.5	2.038	18.9	136.9	0.158	4.8	20.8	<0.005	0.7	2.3	19	1	1.4	368	1.1	<0.5	3.3	0.921
REP 3483160	QC	3.84	1990	2.5	2.065	18.4	136.9	0.158	4.8	20.3	<0.005	0.7	2.4	19	<1	1.3	360	1.1	0.6	3.3	0.952
3569752	Drill Core	1.38	68	0.2	4.848	1.1	22.5	0.039	1.9	13.6	<0.005	<0.1	0.1	5	<1	<0.1	96	0.1	<0.5	3.2	0.058
REP 3569752	QC																				
3569764	Drill Core	1.01	102	0.3	5.186	1.3	19.1	0.041	3.6	26.2	<0.005	<0.1	0.2	5	<1	0.4	103	0.1	<0.5	4.4	0.085
REP 3569764	QC																				
3569768	Drill Core	1.45	73	0.4	4.475	1.0	22.4	0.038	1.6	18.5	<0.005	0.1	0.2	5	1	0.1	149	<0.1	<0.5	4.3	0.052
REP 3569768	QC	1.42	71	0.3	4.537	0.9	21.4	0.038	1.5	17.8	<0.005	0.1	0.2	5	<1	0.1	150	0.1	<0.5	4.5	0.050
3569774	Drill Core	1.23	39	0.3	4.912	1.1	20.1	0.043	1.3	28.3	<0.005	<0.1	0.1	6	1	0.2	132	0.1	<0.5	4.9	0.064
REP 3569774	QC																				
3569796	Drill Core	1.31	83	0.5	4.955	0.9	25.2	0.035	1.5	5.8	<0.005	<0.1	0.1	5	<1	0.3	102	<0.1	<0.5	4.1	0.040
REP 3569796	QC	1.31	77	0.4	4.993	0.8	24.3	0.034	1.4	6.3	<0.005	<0.1	0.1	5	<1	0.3	100	0.1	<0.5	4.1	0.040
Core Reject Duplicates																					
3483158	Drill Core	2.61	408	1.3	5.529	1.1	59.1	0.029	1.6	1.8	<0.005	0.7	0.4	13	<1	0.2	74	0.1	1.0	7.1	0.033
DUP 3483158	QC	2.63	409	1.1	5.511	1.1	60.0	0.030	1.6	1.8	<0.005	0.7	0.3	14	1	0.1	75	0.1	0.7	6.7	0.033
3569765	Drill Core	2.54	465	0.5	4.764	1.8	9.9	0.045	23.6	9.2	<0.005	0.2	0.7	12	<1	1.1	53	0.2	<0.5	5.6	0.107
DUP 3569765	QC	2.51	450	0.6	4.754	1.6	10.9	0.042	23.7	9.3	<0.005	0.2	0.7	12	<1	1.0	50	0.2	<0.5	5.7	0.100
3569799	Drill Core	2.16	332	0.5	4.714	0.7	16.2	0.047	1.2	3.8	<0.005	<0.1	0.1	8	<1	<0.1	78	<0.1	<0.5	4.7	0.025
DUP 3569799	QC	2.15	338	0.4	4.775	1.0	16.3	0.048	1.2	3.9	<0.005	<0.1	0.2	9	<1	0.1	78	<0.1	0.8	4.7	0.025
Reference Materials																					
STD OREAS25A-4A	Standard	0.31	487	2.4	0.136	17.8	45.1	0.051	21.4	54.7	<0.005	<0.1	0.5	12	2	3.7	45	1.3	<0.5	14.3	0.897
STD OREAS25A-4A	Standard	0.30	490	2.3	0.137	18.9	46.1	0.047	23.8	57.3	<0.005	<0.1	0.7	12	2	3.6	45	1.4	<0.5	15.8	0.908
STD OREAS25A-4A	Standard	0.31	479	2.2	0.132	19.8	44.7	0.047	24.1	57.5	<0.005	<0.1	0.6	12	2	3.7	46	1.4	<0.5	15.5	0.898
STD OREAS25A-4A	Standard	0.32	503	2.6	0.134	20.3	46.8	0.045	24.2	59.7	<0.005	<0.1	0.5	13	3	3.5	47	1.4	<0.5	15.9	0.948
STD OREAS25A-4A	Standard	0.36	494	2.1	0.136	20.3	45.7	0.049	26.3	62.9	<0.005	<0.1	0.6	12	2	4.0	50	1.4	<0.5	16.9	0.906
STD OREAS45H	Standard	0.23	405	1.5	0.090	13.0	429.3	0.021	11.0	21.2	<0.005	<0.1	0.6	53	3	1.9	26	0.9	<0.5	7.5	0.857

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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA550
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
Pulp Duplicates									
3483144	Drill Core	<0.5	1.5	26	1.7	5.3	<1	74.9	
REP 3483144	QC								
3483160	Rock Pulp	<0.5	0.9	162	1.2	21.6	110	121.5	
REP 3483160	QC	<0.5	0.9	162	1.3	20.8	109	121.1	
3569752	Drill Core	<0.5	0.6	39	0.2	4.0	3	51.6	
REP 3569752	QC								
3569764	Drill Core	<0.5	1.2	44	0.8	5.3	21	72.5	
REP 3569764	QC								
3569768	Drill Core	<0.5	1.3	34	0.2	5.7	3	70.3	
REP 3569768	QC	<0.5	1.3	34	0.2	5.6	3	71.1	
3569774	Drill Core	<0.5	1.4	44	0.3	6.2	2	76.0	
REP 3569774	QC								
3569796	Drill Core	<0.5	0.6	40	2.5	3.9	3	62.2	
REP 3569796	QC	<0.5	0.6	40	1.6	3.9	3	59.5	
Core Reject Duplicates									
3483158	Drill Core	<0.5	2.0	29	1.6	7.8	6	88.0	
DUP 3483158	QC	<0.5	2.0	30	1.7	7.7	<1	85.8	
3569765	Drill Core	<0.5	2.1	63	5.0	12.8	79	121.6	
DUP 3569765	QC	<0.5	2.1	63	4.5	12.7	77	113.8	
3569799	Drill Core	<0.5	1.4	36	1.1	14.5	2	72.7	
DUP 3569799	QC	<0.5	1.5	36	1.1	13.5	2	80.6	
Reference Materials									
STD OREAS25A-4A	Standard	<0.5	2.4	150	1.7	9.5	41	140.4	
STD OREAS25A-4A	Standard	<0.5	2.6	152	1.8	9.8	45	148.9	
STD OREAS25A-4A	Standard	<0.5	2.7	151	1.9	10.2	44	151.2	
STD OREAS25A-4A	Standard	<0.5	2.7	165	1.7	10.2	44	159.4	
STD OREAS25A-4A	Standard	<0.5	2.9	161	2.0	10.6	42	158.8	
STD OREAS45H	Standard	<0.5	1.5	278	0.9	9.1	39	114.3	

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BUREAU VERITAS
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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

QUALITY CONTROL REPORT TIM19002806.2

		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
STD OREAS45H	Standard			0.1	8.16	15	339	1	0.2	0.13	<0.1	25	90.5	659	782.2	19.78	3.4	0.07	0.21	12.8	14.4
STD OREAS45E	Standard			0.3	7.01	16	255	<1	0.4	0.06	<0.1	25	58.7	1047	789.0	24.64	2.9	0.10	0.32	11.1	6.8
STD OREAS45E	Standard			0.3	7.06	15	247	<1	0.3	0.06	<0.1	23	57.4	993	794.2	23.30	2.9	0.09	0.32	9.9	6.5
STD OREAS45E	Standard			0.3	6.95	16	269	<1	0.2	0.06	<0.1	25	59.1	996	793.2	24.44	2.9	0.10	0.33	10.9	7.1
STD OXC145	Standard		0.211																		
STD OXC145	Standard		0.214																		
STD OXH139	Standard		1.330																		
STD OXH139	Standard		1.317																		
STD OXN134	Standard		7.459																		
STD OXN134	Standard		7.661																		
STD OXP116	Standard																				
STD OXQ90	Standard																				
STD OXQ90	Standard																				
STD OREAS45H Expected				0.147	7.99	16.9	332	1.09	0.17	0.135		23.6	88	602	767	19.52	3.6	0.1	0.205	12.4	13.1
STD OREAS25A-4A Expected					8.87	9.94	147	0.93	0.37	0.301		47.3	7.7	115	33.9	6.6	4.14	0.09	0.482	21.8	36.7
STD OREAS45E Expected				0.311	6.78	16.3	252		0.28	0.065	0.06	23.5	57	979	780	24.12	3.11	0.099	0.324	11	6.58
STD OXC145 Expected			0.212																		
STD OXN134 Expected			7.667																		
STD OXH139 Expected			1.312																		
STD OXP116 Expected																					
STD OXQ90 Expected																					
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	0.3	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	0.3	<0.01	<0.1	<0.05	<0.01	<0.1	0.2
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

QUALITY CONTROL REPORT TIM19002806.2

		MA200 Mg % 0.01	MA200 Mn ppm 1	MA200 Mo ppm 0.1	MA200 Na % 0.001	MA200 Nb ppm 0.1	MA200 Ni ppm 0.1	MA200 P % 0.001	MA200 Pb ppm 0.1	MA200 Rb ppm 0.1	MA200 Re ppm 0.005	MA200 S % 0.1	MA200 Sb ppm 0.1	MA200 Sc ppm 1	MA200 Se ppm 1	MA200 Sn ppm 0.1	MA200 Sr ppm 1	MA200 Ta ppm 0.1	MA200 Te ppm 0.5	MA200 Th ppm 0.1	MA200 Ti % 0.001
STD OREAS45H	Standard	0.24	425	1.6	0.096	14.2	455.3	0.021	11.9	22.8	<0.005	<0.1	0.6	57	2	1.7	28	0.9	<0.5	7.6	0.908
STD OREAS45E	Standard	0.15	600	2.5	0.053	6.4	493.0	0.032	18.4	21.4	<0.005	<0.1	1.0	94	2	1.1	16	0.5	<0.5	13.8	0.532
STD OREAS45E	Standard	0.14	605	2.3	0.053	6.2	479.7	0.031	17.3	20.5	<0.005	<0.1	0.9	91	4	1.1	16	0.5	<0.5	12.9	0.556
STD OREAS45E	Standard	0.18	560	2.5	0.061	6.0	474.1	0.035	19.6	22.5	<0.005	<0.1	1.0	95	2	1.3	18	0.6	<0.5	14.5	0.526
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXP116	Standard																				
STD OXQ90	Standard																				
STD OXQ90	Standard																				
STD OREAS45H Expected		0.238	380	1.55	0.09	14.8	423	0.023	11.9	22.5			0.63	57	2.02	1.93	27.1	1.08		7.26	0.878
STD OREAS25A-4A Expected		0.327	480	2.41	0.131	20.9	45.8	0.048	25.2	61		0.047	0.65	13.7	2.4	4.06	48.5	1.4		15.8	0.93
STD OREAS45E Expected		0.156	570	2.4	0.059	6.8	454	0.034	18.2	21.2		0.046	1	93	2.97	1.32	15.9	0.54	0.1	12.9	0.559
STD OXC145 Expected																					
STD OXN134 Expected																					
STD OXH139 Expected																					
STD OXP116 Expected																					
STD OXQ90 Expected																					
BLK	Blank	<0.01	<1	<0.1	0.003	<0.1	0.2	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.004	<0.1	0.2	<0.001	<0.1	0.2	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.003	<0.1	<0.1	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.004	<0.1	0.2	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	2	<0.1	0.003	<0.1	0.3	<0.001	<0.1	0.2	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

QUALITY CONTROL REPORT TIM19002806.2

		MA200 Tl ppm 0.5	MA200 U ppm 0.1	MA200 V ppm 1	MA200 W ppm 0.1	MA200 Y ppm 0.1	MA200 Zn ppm 1	MA200 Zr ppm 0.1	FA550 Au gm/t 0.9
STD OREAS45H	Standard	<0.5	1.6	272	0.9	10.1	38	123.3	
STD OREAS45E	Standard	<0.5	2.4	334	1.1	8.1	48	94.1	
STD OREAS45E	Standard	<0.5	2.2	351	1.0	7.5	44	92.8	
STD OREAS45E	Standard	<0.5	2.7	323	1.0	8.3	46	101.1	
STD OXC145	Standard								
STD OXC145	Standard								
STD OXH139	Standard								
STD OXH139	Standard								
STD OXN134	Standard								
STD OXN134	Standard								
STD OXP116	Standard								15.2
STD OXQ90	Standard								25.0
STD OXQ90	Standard								23.6
STD OREAS45H Expected			1.68	263	0.99	10.4	39.7	131	
STD OREAS25A-4A Expected		0.35	2.94	157	2	10.5	44.4	155	
STD OREAS45E Expected		0.15	2.41	322	1.07	8.28	46.7	97	
STD OXC145 Expected									
STD OXN134 Expected									
STD OXH139 Expected									
STD OXP116 Expected									14.92
STD OXQ90 Expected									24.88
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1	
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1	
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1	
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	3	<0.1	
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1	
BLK	Blank								
BLK	Blank								
BLK	Blank								

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

QUALITY CONTROL REPORT TIM19002806.2

		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
BLK	Blank		<0.005																		
BLK	Blank																				
Prep Wash																					
ROCK-TIM	Prep Blank		<0.005	<0.1	6.73	2	764	<1	0.1	1.36	<0.1	24	3.9	3	2.4	2.10	1.7	<0.05	1.50	11.9	2.1
ROCK-TIM	Prep Blank		<0.005	<0.1	6.84	<1	777	1	<0.1	1.40	<0.1	24	3.8	3	2.9	2.14	1.7	<0.05	1.53	11.8	2.2

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QUALITY CONTROL REPORT TIM19002806.2

		MA200 Mg % 0.01	MA200 Mn ppm 1	MA200 Mo ppm 0.1	MA200 Na % 0.001	MA200 Nb ppm 0.1	MA200 Ni ppm 0.1	MA200 P % 0.001	MA200 Pb ppm 0.1	MA200 Rb ppm 0.1	MA200 Re ppm 0.005	MA200 S % 0.1	MA200 Sb ppm 0.1	MA200 Sc ppm 1	MA200 Se ppm 1	MA200 Sn ppm 0.1	MA200 Sr ppm 1	MA200 Ta ppm 0.1	MA200 Te ppm 0.5	MA200 Th ppm 0.1	MA200 Ti % 0.001
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-TIM	Prep Blank	0.56	678	0.9	3.352	5.5	1.4	0.040	2.2	29.3	<0.005	<0.1	0.1	6	<1	0.6	196	0.4	<0.5	2.9	0.192
ROCK-TIM	Prep Blank	0.57	684	1.3	3.552	5.5	1.5	0.040	2.3	29.1	<0.005	<0.1	0.1	6	<1	0.6	196	0.4	<0.5	2.9	0.200

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Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

QUALITY CONTROL REPORT TIM19002806.2

		MA200 Tl ppm 0.5	MA200 U ppm 0.1	MA200 V ppm 1	MA200 W ppm 0.1	MA200 Y ppm 0.1	MA200 Zn ppm 1	MA200 Zr ppm 0.1	FA550 Au gm/t 0.9
BLK	Blank								
BLK	Blank								<0.9
Prep Wash									
ROCK-TIM	Prep Blank	<0.5	1.1	34	0.3	15.7	34	49.5	
ROCK-TIM	Prep Blank	<0.5	1.1	35	0.3	15.9	36	49.1	

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By:	Quentin Yarie
Receiving Lab:	Canada-Timmins
Received:	December 05, 2019
Analysis Start:	January 03, 2020
Report Date:	January 17, 2020
Page:	1 of 4

CERTIFICATE OF ANALYSIS TIM19002807.1

CLIENT JOB INFORMATION

Project:	SPJ
Shipment ID:	
P.O. Number	
Number of Samples:	76

SAMPLE DISPOSAL

RTRN-PLP	Return After 90 days
RTRN-RJT	Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP85-500	67	Crush split and pulverize 250g of sample to 200mesh			TIM
SHP01	76	Per sample shipping charges for branch shipments			TIM
SLBHP	4	Sort, label and box pulps			TIM
CRUBW	3	Extra clean rock wash between samples in crusher			TIM
FA450	73	50g Lead Collection Fire Assay Fusion - AAS Finish	50	Completed	TIM
EN002	76	Environmental disposal charge-Fire assay lead waste			TIM
MA200	76	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
EN001-MA	76	Environmental disposal fee - Multi-acid neutralization			VAN

ADDITIONAL COMMENTS

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
Marcus Lau
MARCUS LAU
Production Manager

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All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 17, 2020

CERTIFICATE OF ANALYSIS TIM19002807.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3572111	Drill Core	4.03	0.007	<0.1	6.87	22	166	2	0.2	1.84	<0.1	44	10.2	49	67.0	1.22	2.7	<0.05	0.60	18.2	7.1
3572112	Drill Core	4.89	<0.005	<0.1	5.91	12	233	2	<0.1	0.29	<0.1	32	7.2	56	4.7	1.27	2.4	<0.05	0.85	19.2	10.3
3572113	Drill Core	3.50	<0.005	<0.1	5.54	7	231	2	<0.1	0.34	<0.1	30	8.1	56	5.0	1.17	2.5	<0.05	0.76	15.8	8.1
3572114	Drill Core	4.80	<0.005	<0.1	6.22	5	306	2	<0.1	0.26	<0.1	39	6.2	79	13.8	1.34	3.2	<0.05	0.69	20.3	10.2
3572115	Drill Core	4.30	<0.005	<0.1	5.41	5	191	1	<0.1	0.97	<0.1	24	6.7	33	9.3	0.79	1.7	<0.05	0.53	11.3	5.1
3572116	Drill Core	5.57	<0.005	<0.1	5.63	7	218	2	<0.1	0.57	<0.1	14	10.3	73	16.7	1.26	3.2	<0.05	0.65	6.6	6.1
3572117	Drill Core	6.07	<0.005	<0.1	5.81	5	230	2	<0.1	0.65	<0.1	55	6.3	43	12.4	0.94	1.8	<0.05	0.60	29.0	5.3
3572118	Drill Core	5.35	<0.005	<0.1	5.44	5	243	2	<0.1	0.74	<0.1	86	7.8	34	5.2	0.86	1.8	<0.05	0.56	46.0	5.1
3572119	Drill Core	2.97	<0.005	<0.1	5.45	5	187	1	<0.1	0.64	0.3	36	6.3	39	12.3	0.97	2.5	<0.05	0.54	18.3	6.1
3572120	Rock Pulp	0.07	0.523	0.1	7.24	5	145	<1	<0.1	6.92	<0.1	11	49.3	185	166.3	8.09	1.6	0.07	0.19	4.6	12.5
3572121	Drill Core	5.36	<0.005	<0.1	5.61	8	106	3	<0.1	1.50	<0.1	28	1.6	33	5.7	0.53	1.8	<0.05	0.27	13.7	2.5
3572122	Drill Core	7.93	<0.005	<0.1	5.46	9	136	2	<0.1	0.74	<0.1	13	7.6	32	9.7	0.83	2.1	<0.05	0.41	6.1	4.5
3572123	Drill Core	4.13	<0.005	<0.1	6.04	5	112	6	<0.1	1.39	<0.1	41	1.9	28	18.3	0.79	1.7	<0.05	0.36	20.4	4.2
3572124	Drill Core	4.88	<0.005	<0.1	5.45	3	94	2	<0.1	0.75	<0.1	46	1.2	30	8.8	0.63	2.6	<0.05	0.22	21.5	3.4
3572125	Silica	0.21	<0.005	<0.1	8.84	2	19	<1	<0.1	0.16	<0.1	2	<0.2	3	0.3	0.18	0.2	<0.05	4.35	0.6	26.3
3572126	Drill Core	5.52	<0.005	<0.1	6.81	3	118	4	<0.1	3.09	<0.1	106	2.1	41	3.4	1.07	2.2	<0.05	0.35	56.5	6.0
3572127	Drill Core	5.18	<0.005	<0.1	5.41	14	112	1	<0.1	1.28	<0.1	31	4.5	28	5.7	0.67	1.9	<0.05	0.42	15.3	4.2
3572128	Drill Core	4.38	<0.005	<0.1	5.69	11	115	3	<0.1	1.49	<0.1	30	5.4	32	11.2	0.79	2.0	<0.05	0.39	14.0	5.4
3572129	Drill Core	3.82	<0.005	<0.1	6.12	4	101	4	<0.1	2.09	<0.1	33	2.2	30	5.9	0.88	2.1	<0.05	0.38	17.1	4.8
3572130	Drill Core	4.31	<0.005	<0.1	6.42	14	139	3	0.2	2.15	<0.1	38	5.6	43	5.0	1.02	2.8	<0.05	0.48	18.1	6.0
3572131	Drill Core	4.57	<0.005	<0.1	6.25	4	96	2	<0.1	1.47	<0.1	36	2.1	30	6.1	0.70	2.3	<0.05	0.32	18.9	4.6
3572132	Drill Core	5.98	<0.005	<0.1	5.33	20	157	3	<0.1	0.77	<0.1	25	6.8	46	13.5	0.83	2.2	<0.05	0.47	12.3	6.6
3572133	Drill Core	4.96	<0.005	<0.1	4.65	9	144	2	<0.1	0.68	<0.1	18	8.1	28	7.4	0.80	1.5	<0.05	0.48	8.2	4.7
3572134	Drill Core	5.67	<0.005	<0.1	5.08	7	161	2	<0.1	0.56	<0.1	17	8.7	40	24.1	0.96	2.3	<0.05	0.40	8.2	6.2
3572135	Drill Core	4.75	<0.005	<0.1	4.83	8	155	1	<0.1	0.54	<0.1	23	6.9	33	9.8	0.90	2.0	<0.05	0.53	11.2	4.8
3572136	Drill Core	4.85	<0.005	<0.1	5.38	11	155	3	<0.1	0.87	<0.1	22	6.9	37	9.8	0.79	2.4	<0.05	0.53	9.9	5.2
3572137	Drill Core	5.02	<0.005	<0.1	6.06	22	129	1	<0.1	1.38	<0.1	27	13.3	30	16.4	0.67	1.9	<0.05	0.38	11.2	4.1
3572138	Drill Core	6.09	0.010	<0.1	6.26	44	188	2	<0.1	1.30	<0.1	41	14.7	57	116.2	1.02	3.8	<0.05	0.61	20.5	6.1
3572139	Drill Core	4.94	<0.005	<0.1	5.68	30	155	2	<0.1	1.77	<0.1	53	8.8	66	25.9	0.92	5.0	<0.05	0.50	26.2	6.5
3572140	Rock Pulp	0.07	1.591	0.2	7.01	559	341	2	<0.1	5.36	<0.1	38	42.1	186	87.5	8.58	3.1	0.07	0.68	22.4	10.2

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BUREAU VERITAS MINERAL LABORATORIES Canada

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 17, 2020

CERTIFICATE OF ANALYSIS TIM19002807.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3572111	Drill Core	2.06	160	0.5	5.685	1.6	52.2	0.049	4.1	25.1	<0.005	0.3	0.4	12	<1	0.5	112	0.1	0.5	7.7	0.086
3572112	Drill Core	2.08	49	0.8	5.403	1.8	33.3	0.049	1.3	32.6	<0.005	<0.1	0.1	10	<1	0.4	75	0.2	<0.5	6.1	0.119
3572113	Drill Core	1.86	40	0.6	5.168	1.6	30.1	0.049	1.9	23.4	<0.005	<0.1	0.2	9	<1	0.3	85	0.2	<0.5	5.1	0.103
3572114	Drill Core	2.05	39	4.0	6.381	2.1	34.2	0.052	2.0	12.9	<0.005	<0.1	0.2	14	<1	0.5	68	0.2	<0.5	7.0	0.125
3572115	Drill Core	1.24	50	0.3	4.518	1.3	25.6	0.038	3.5	17.2	<0.005	<0.1	0.2	5	<1	0.4	146	0.1	<0.5	4.1	0.082
3572116	Drill Core	1.80	45	0.6	5.085	1.4	28.4	0.075	3.3	21.6	<0.005	0.2	0.2	10	<1	0.4	92	0.1	<0.5	6.0	0.106
3572117	Drill Core	1.49	46	0.2	5.036	0.9	21.0	0.042	3.8	20.5	<0.005	0.1	0.3	6	<1	0.5	116	<0.1	<0.5	4.3	0.076
3572118	Drill Core	1.40	58	0.2	4.869	0.8	20.9	0.035	2.2	15.1	<0.005	<0.1	0.2	5	<1	0.5	120	<0.1	<0.5	3.7	0.066
3572119	Drill Core	1.50	78	0.4	5.273	1.2	21.1	0.041	22.5	12.0	<0.005	<0.1	0.2	5	<1	0.5	86	0.1	<0.5	4.4	0.074
3572120	Rock Pulp	4.38	1437	0.7	2.361	3.6	101.8	0.042	3.2	3.8	<0.005	0.1	0.5	47	<1	0.8	121	0.2	0.7	0.4	0.668
3572121	Drill Core	1.13	173	1.5	5.386	0.6	9.6	0.041	1.2	6.2	<0.005	<0.1	0.1	6	<1	0.9	82	<0.1	<0.5	3.7	0.034
3572122	Drill Core	1.34	94	0.9	5.351	1.0	17.8	0.037	1.9	7.2	<0.005	<0.1	0.2	5	<1	0.4	71	<0.1	<0.5	3.3	0.059
3572123	Drill Core	1.56	174	1.1	5.064	0.7	9.9	0.035	1.3	11.0	<0.005	<0.1	0.1	8	<1	0.3	73	<0.1	<0.5	4.3	0.040
3572124	Drill Core	1.05	131	0.9	5.453	1.0	7.5	0.041	1.4	1.6	<0.005	<0.1	0.1	5	<1	0.3	55	<0.1	<0.5	5.3	0.043
3572125	Silica	0.03	43	0.2	8.395	<0.1	0.4	<0.001	5.6	62.4	<0.005	<0.1	0.2	<1	<1	<0.1	35	<0.1	<0.5	0.2	<0.001
3572126	Drill Core	2.99	396	1.2	5.058	1.2	13.2	0.045	4.4	12.1	<0.005	<0.1	0.1	17	<1	0.5	76	0.1	0.6	7.2	0.054
3572127	Drill Core	1.41	161	0.3	4.718	0.8	19.8	0.038	1.8	15.4	<0.005	<0.1	0.1	5	<1	0.3	93	<0.1	<0.5	4.4	0.049
3572128	Drill Core	1.57	189	0.5	4.762	0.9	18.3	0.038	3.9	14.0	<0.005	<0.1	0.2	6	<1	0.4	110	<0.1	<0.5	5.1	0.050
3572129	Drill Core	2.11	288	1.0	4.775	0.7	8.4	0.077	1.6	13.2	<0.005	<0.1	0.1	10	<1	0.8	73	<0.1	<0.5	5.3	0.041
3572130	Drill Core	2.25	305	0.7	4.954	0.9	16.6	0.037	2.2	20.6	<0.005	<0.1	0.3	10	<1	0.6	76	<0.1	0.6	5.8	0.057
3572131	Drill Core	1.74	225	0.4	5.295	0.8	8.1	0.043	2.1	12.3	<0.005	<0.1	0.1	8	<1	0.7	67	<0.1	<0.5	6.5	0.042
3572132	Drill Core	1.53	92	0.3	5.554	1.2	32.7	0.043	2.3	8.5	<0.005	<0.1	0.2	7	<1	0.7	81	0.1	<0.5	4.3	0.077
3572133	Drill Core	1.17	68	0.2	4.715	1.1	18.4	0.030	1.8	10.9	<0.005	<0.1	0.2	5	<1	0.5	93	<0.1	<0.5	2.6	0.067
3572134	Drill Core	1.32	55	0.5	5.764	1.2	25.2	0.037	3.0	3.7	<0.005	<0.1	0.3	7	<1	0.6	76	0.1	<0.5	4.2	0.071
3572135	Drill Core	1.48	66	0.3	4.776	1.0	22.3	0.034	2.1	16.9	<0.005	<0.1	0.2	5	<1	0.5	82	<0.1	<0.5	3.1	0.067
3572136	Drill Core	1.47	114	0.2	4.856	1.1	17.9	0.039	2.4	16.0	<0.005	<0.1	0.2	5	<1	0.6	101	0.1	<0.5	4.4	0.070
3572137	Drill Core	1.52	153	0.2	5.085	1.1	12.0	0.047	2.3	15.7	<0.005	<0.1	0.1	6	<1	0.6	100	<0.1	<0.5	4.7	0.050
3572138	Drill Core	1.88	107	0.8	5.054	1.1	37.6	0.065	4.1	32.2	<0.005	0.2	0.2	10	<1	0.8	117	0.1	<0.5	8.4	0.069
3572139	Drill Core	1.80	142	1.1	4.608	1.2	22.9	0.088	3.8	19.8	<0.005	0.1	0.2	10	<1	0.8	106	0.1	0.6	10.0	0.069
3572140	Rock Pulp	3.92	1897	2.6	2.103	18.0	126.3	0.155	5.2	20.5	<0.005	0.8	2.7	18	1	1.9	355	1.1	0.8	3.2	0.942

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 17, 2020

CERTIFICATE OF ANALYSIS TIM19002807.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3572111	Drill Core	<0.5	2.5	62	0.4	10.2	31	101.6
3572112	Drill Core	<0.5	1.0	65	0.2	5.0	3	89.2
3572113	Drill Core	<0.5	0.8	59	0.2	4.7	3	94.6
3572114	Drill Core	<0.5	1.2	104	0.3	7.1	4	116.2
3572115	Drill Core	<0.5	1.3	32	0.1	5.2	2	62.7
3572116	Drill Core	<0.5	1.3	61	0.1	5.9	3	117.5
3572117	Drill Core	<0.5	1.0	39	<0.1	6.0	2	67.0
3572118	Drill Core	<0.5	0.9	32	0.1	7.5	3	62.8
3572119	Drill Core	<0.5	1.1	37	0.3	5.4	96	90.4
3572120	Rock Pulp	<0.5	0.1	294	1.0	22.7	88	48.8
3572121	Drill Core	<0.5	1.0	25	0.4	6.9	1	64.7
3572122	Drill Core	<0.5	1.1	34	0.4	4.5	6	75.7
3572123	Drill Core	<0.5	2.1	38	0.7	9.8	3	64.9
3572124	Drill Core	<0.5	1.4	34	0.4	6.7	2	92.7
3572125	Silica	0.8	0.1	<1	<0.1	1.8	2	12.6
3572126	Drill Core	<0.5	2.0	54	0.8	23.2	4	85.9
3572127	Drill Core	<0.5	1.0	27	0.4	7.9	2	67.3
3572128	Drill Core	<0.5	9.5	29	0.3	10.8	3	68.3
3572129	Drill Core	<0.5	2.6	26	0.9	16.2	3	79.1
3572130	Drill Core	<0.5	2.0	43	0.7	14.4	4	98.6
3572131	Drill Core	<0.5	2.2	22	0.6	12.0	3	85.4
3572132	Drill Core	<0.5	1.2	46	0.5	5.8	5	81.7
3572133	Drill Core	<0.5	0.8	27	0.2	4.6	2	55.2
3572134	Drill Core	<0.5	1.2	49	0.3	4.8	5	83.4
3572135	Drill Core	<0.5	1.0	33	0.1	5.1	10	67.9
3572136	Drill Core	<0.5	1.3	30	0.3	6.9	3	81.6
3572137	Drill Core	<0.5	2.2	29	0.5	9.2	2	65.1
3572138	Drill Core	<0.5	2.8	61	0.3	7.7	4	137.9
3572139	Drill Core	<0.5	8.2	53	0.4	11.1	3	182.5
3572140	Rock Pulp	<0.5	1.0	154	1.2	22.0	102	117.2

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CERTIFICATE OF ANALYSIS TIM19002807.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3572141	Drill Core	5.37	0.006	<0.1	5.28	19	121	1	<0.1	1.07	<0.1	21	3.9	29	25.4	0.55	1.6	<0.05	0.33	8.8	5.1
3572142	Drill Core	7.12	<0.005	<0.1	5.87	34	156	2	<0.1	1.32	<0.1	41	6.8	33	20.8	0.59	2.0	<0.05	0.32	17.2	3.8
3572143	Drill Core	3.40	<0.005	<0.1	5.43	6	104	2	<0.1	0.99	<0.1	26	2.3	32	7.4	0.64	2.6	<0.05	0.26	11.9	3.3
3572144	Drill Core	5.55	<0.005	<0.1	5.75	14	113	2	<0.1	1.49	<0.1	43	2.5	32	5.3	0.63	2.6	<0.05	0.29	21.6	3.9
3572145	Drill Core	3.87	0.034	<0.1	5.84	33	98	2	0.3	2.19	<0.1	27	9.6	33	11.8	0.97	1.8	<0.05	0.23	12.8	2.7
3572146	Drill Core	3.44	0.041	<0.1	5.72	3	130	1	<0.1	1.15	<0.1	25	1.8	37	4.2	1.63	2.1	<0.05	0.27	11.5	2.4
3572147	Drill Core	4.45	3.522	<0.1	5.69	2	175	2	0.3	0.58	<0.1	20	3.1	45	4.2	2.99	2.1	<0.05	0.29	8.9	2.9
3572148	Drill Core	2.89	7.170	<0.1	5.98	3	255	2	<0.1	0.99	<0.1	72	2.8	50	4.7	1.94	2.2	<0.05	0.37	36.4	3.3
3572149	Drill Core	2.09		<0.1	5.93	5	208	2	<0.1	0.83	<0.1	16	3.3	55	4.4	2.93	2.7	<0.05	0.34	7.3	3.1
3572150	Silica	0.20	<0.005	<0.1	7.40	2	12	<1	<0.1	0.13	<0.1	<1	<0.2	2	1.4	0.18	0.3	<0.05	3.51	0.2	26.1
3572151	Drill Core	5.08	4.690	<0.1	5.07	4	224	2	<0.1	0.38	<0.1	43	3.7	53	6.0	2.62	1.9	<0.05	0.47	20.4	3.4
3572152	Drill Core	3.87	3.244	<0.1	6.51	4	196	2	0.3	0.57	<0.1	38	16.7	65	106.8	8.65	1.8	0.13	0.41	20.7	5.9
3572153	Drill Core	4.83		<0.1	6.04	1	272	2	0.2	0.61	<0.1	19	9.1	62	96.6	6.39	1.9	0.06	0.55	9.8	4.5
3572154	Silica	0.20	<0.005	<0.1	7.96	2	18	<1	<0.1	0.14	<0.1	1	<0.2	2	0.6	0.19	0.2	<0.05	2.86	0.4	23.9
3572155	Drill Core	6.03		<0.1	5.49	9	156	1	<0.1	0.65	<0.1	26	5.9	46	4.3	1.10	2.5	<0.05	0.41	12.2	6.6
3572156	Silica	0.20	<0.005	<0.1	7.64	2	18	<1	<0.1	0.14	<0.1	<1	<0.2	2	0.4	0.17	0.1	<0.05	3.95	0.4	25.1
3572157	Drill Core	2.87	<0.005	<0.1	5.90	11	101	2	<0.1	0.61	<0.1	30	6.9	45	11.0	1.12	2.0	<0.05	0.37	13.9	7.2
3572158	Drill Core	3.36	0.006	<0.1	5.23	11	102	2	<0.1	0.62	<0.1	64	6.0	39	10.6	0.94	2.3	<0.05	0.38	31.7	6.3
3572159	Drill Core	5.99	0.024	<0.1	5.56	56	78	1	0.2	1.31	<0.1	26	16.5	33	91.4	0.97	1.5	<0.05	0.24	12.3	3.4
3572160	Rock Pulp	0.07	5.428	0.9	6.37	25	226	<1	0.3	5.25	0.2	13	41.7	282	132.7	7.02	1.5	0.07	0.45	5.8	18.5
3572161	Drill Core	6.02	0.009	<0.1	5.91	19	103	2	<0.1	1.06	<0.1	41	5.7	46	40.8	0.84	2.4	<0.05	0.31	18.0	4.8
3572162	Drill Core	5.89	<0.005	<0.1	5.63	22	112	3	<0.1	0.76	<0.1	25	5.2	26	23.1	0.65	1.5	<0.05	0.28	12.5	4.1
3572163	Drill Core	5.30	<0.005	<0.1	5.55	10	102	2	<0.1	0.92	<0.1	47	3.2	22	10.2	0.58	1.4	<0.05	0.25	24.8	4.1
3572164	Drill Core	7.05	<0.005	<0.1	5.49	22	104	2	<0.1	1.07	<0.1	30	5.4	56	20.5	0.65	2.8	<0.05	0.25	14.5	3.5
3572165	Drill Core	6.06	0.008	<0.1	5.33	31	75	1	<0.1	1.31	<0.1	33	7.4	33	8.5	0.64	1.7	<0.05	0.18	16.1	2.0
3572166	Drill Core	6.54	0.016	<0.1	5.75	34	123	2	<0.1	1.09	<0.1	26	8.1	65	61.6	1.03	2.7	<0.05	0.36	12.1	5.5
3572167	Drill Core	4.69	0.008	<0.1	5.47	32	104	2	<0.1	1.45	<0.1	44	6.9	22	11.8	0.78	1.3	<0.05	0.24	22.2	2.4
3572168	Drill Core	6.25	0.010	<0.1	4.85	39	122	2	<0.1	0.59	<0.1	23	11.9	46	38.9	0.89	2.1	<0.05	0.34	11.7	6.9
3572169	Drill Core	6.56	1.100	<0.1	4.84	17	70	1	<0.1	0.71	<0.1	21	9.4	40	52.7	0.92	1.7	<0.05	0.23	10.0	5.1
3572170	Drill Core	5.42	2.400	<0.1	5.61	116	73	2	0.3	1.58	<0.1	60	39.2	46	80.5	1.38	2.1	<0.05	0.26	29.2	4.2

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 17, 2020

CERTIFICATE OF ANALYSIS TIM19002807.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3572141	Drill Core	1.23	111	0.3	5.570	1.0	19.7	0.030	1.8	4.5	<0.005	<0.1	0.1	5	<1	0.5	91	<0.1	<0.5	2.7	0.052
3572142	Drill Core	1.33	108	0.4	5.412	1.1	24.0	0.049	2.0	10.2	<0.005	<0.1	0.2	7	<1	0.6	95	<0.1	<0.5	5.4	0.050
3572143	Drill Core	1.07	120	0.5	5.615	1.1	11.7	0.039	1.2	2.8	<0.005	<0.1	0.1	7	<1	0.7	68	<0.1	<0.5	4.4	0.052
3572144	Drill Core	1.25	149	0.3	6.012	1.3	19.1	0.034	1.5	5.8	<0.005	<0.1	0.2	6	<1	0.6	80	0.1	<0.5	6.1	0.056
3572145	Drill Core	1.41	181	0.3	5.144	0.8	34.4	0.036	1.6	8.2	<0.005	0.3	0.3	6	1	0.5	93	0.1	0.7	4.1	0.039
3572146	Drill Core	0.67	151	0.4	5.122	2.6	9.8	0.026	1.8	6.9	<0.005	<0.1	0.4	3	<1	0.4	68	0.3	<0.5	3.8	0.105
3572147	Drill Core	0.81	145	0.2	4.424	3.0	16.7	0.033	1.2	9.3	<0.005	<0.1	0.3	3	<1	0.5	52	0.3	<0.5	4.0	0.119
3572148	Drill Core	0.66	150	0.3	4.887	3.7	13.4	0.041	1.3	16.8	<0.005	<0.1	0.2	5	<1	0.5	80	0.3	<0.5	6.1	0.153
3572149	Drill Core	0.83	177	0.2	4.756	3.9	11.7	0.050	2.2	11.2	<0.005	<0.1	0.6	5	<1	0.3	59	0.4	<0.5	4.7	0.151
3572150	Silica	0.02	32	0.1	8.076	<0.1	0.6	<0.001	4.7	49.3	<0.005	<0.1	0.2	<1	<1	<0.1	19	<0.1	<0.5	<0.1	<0.001
3572151	Drill Core	0.92	114	0.3	4.552	3.3	22.8	0.036	1.2	15.3	<0.005	<0.1	0.2	6	<1	0.5	60	0.3	<0.5	3.6	0.142
3572152	Drill Core	1.61	252	1.0	3.863	2.8	52.7	0.042	2.5	23.1	<0.005	1.4	0.3	7	3	0.7	44	0.3	<0.5	4.5	0.115
3572153	Drill Core	1.27	195	0.3	4.292	3.7	19.3	0.042	1.9	22.0	<0.005	0.9	0.2	6	1	0.4	49	0.3	<0.5	4.5	0.156
3572154	Silica	0.02	36	0.2	7.830	<0.1	0.5	0.001	5.3	46.0	<0.005	<0.1	0.2	<1	<1	<0.1	28	<0.1	<0.5	0.1	<0.001
3572155	Drill Core	1.51	92	0.4	4.884	1.2	23.7	0.054	1.6	8.8	<0.005	<0.1	<0.1	7	<1	0.3	108	0.1	<0.5	4.8	0.073
3572156	Silica	0.02	39	0.1	7.968	<0.1	0.4	<0.001	5.4	59.6	<0.005	<0.1	0.2	<1	<1	0.1	28	<0.1	<0.5	0.1	<0.001
3572157	Drill Core	1.73	75	0.4	5.396	1.3	27.0	0.044	1.5	8.0	<0.005	<0.1	0.1	7	<1	0.5	70	0.1	<0.5	4.1	0.074
3572158	Drill Core	1.46	82	0.7	5.177	1.2	25.3	0.038	1.3	5.1	<0.005	<0.1	0.1	6	<1	0.6	68	0.1	<0.5	3.7	0.073
3572159	Drill Core	1.26	129	0.7	5.417	0.9	60.1	0.046	3.2	3.6	<0.005	0.4	0.4	5	<1	0.4	78	<0.1	<0.5	3.1	0.040
3572160	Rock Pulp	3.94	1257	3.0	1.933	3.4	125.3	0.039	17.9	14.6	<0.005	0.4	0.5	36	<1	0.6	116	0.2	1.3	1.1	0.570
3572161	Drill Core	1.24	120	0.8	5.487	1.5	36.7	0.041	2.6	6.2	<0.005	0.1	0.2	6	<1	0.4	92	0.2	<0.5	5.2	0.066
3572162	Drill Core	1.00	76	0.5	5.224	0.7	22.9	0.029	1.4	5.8	<0.005	<0.1	0.2	4	<1	0.2	87	<0.1	<0.5	4.0	0.038
3572163	Drill Core	0.91	97	0.6	5.300	0.6	12.9	0.022	0.9	4.3	<0.005	<0.1	0.2	4	<1	0.2	87	<0.1	<0.5	2.7	0.032
3572164	Drill Core	1.05	97	0.9	5.631	1.3	22.6	0.040	1.4	3.9	<0.005	<0.1	0.1	5	<1	0.3	90	0.1	<0.5	5.5	0.051
3572165	Drill Core	0.98	122	0.4	5.343	0.8	22.5	0.037	1.4	2.2	<0.005	<0.1	0.2	4	<1	0.1	74	<0.1	<0.5	3.6	0.038
3572166	Drill Core	1.40	101	0.6	5.224	1.3	41.0	0.062	2.6	8.8	<0.005	0.3	0.3	8	<1	0.3	92	0.1	<0.5	5.6	0.065
3572167	Drill Core	1.14	122	0.6	5.174	0.5	30.6	0.086	1.5	5.8	<0.005	0.2	0.2	4	<1	0.2	92	<0.1	<0.5	3.5	0.026
3572168	Drill Core	1.20	73	0.7	5.521	1.1	54.9	0.061	1.9	4.1	<0.005	0.2	0.5	6	<1	0.3	76	0.1	<0.5	3.5	0.057
3572169	Drill Core	1.07	91	0.5	5.500	1.1	31.5	0.046	1.6	1.5	<0.005	0.2	0.3	4	<1	0.3	60	0.1	<0.5	3.1	0.053
3572170	Drill Core	1.34	135	1.5	5.376	1.1	129.0	0.134	3.4	6.4	<0.005	0.9	0.8	6	<1	0.3	73	0.1	<0.5	4.9	0.055

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Project: SPJ
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CERTIFICATE OF ANALYSIS TIM19002807.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3572141	Drill Core	<0.5	1.1	35	0.4	4.9	1	59.5
3572142	Drill Core	<0.5	2.0	34	0.3	7.5	1	72.2
3572143	Drill Core	<0.5	1.3	36	0.6	6.8	1	87.9
3572144	Drill Core	<0.5	1.6	40	1.9	7.6	2	94.6
3572145	Drill Core	<0.5	1.6	36	1.1	8.6	2	64.5
3572146	Drill Core	<0.5	1.6	28	3.8	5.3	3	73.1
3572147	Drill Core	<0.5	1.9	37	3.8	4.9	5	71.6
3572148	Drill Core	<0.5	2.5	39	4.0	6.4	5	78.1
3572149	Drill Core	<0.5	2.1	41	4.7	6.8	4	97.1
3572150	Silica	0.7	<0.1	<1	<0.1	0.8	2	15.1
3572151	Drill Core	<0.5	0.9	46	2.2	4.1	6	63.0
3572152	Drill Core	<0.5	2.8	49	5.0	6.8	9	64.0
3572153	Drill Core	<0.5	1.9	43	4.7	4.8	7	71.2
3572154	Silica	0.7	0.1	<1	<0.1	1.2	3	9.9
3572155	Drill Core	<0.5	0.9	41	0.3	4.6	3	93.8
3572156	Silica	0.7	0.1	<1	<0.1	1.1	3	8.6
3572157	Drill Core	<0.5	1.1	51	0.5	5.1	4	69.1
3572158	Drill Core	<0.5	0.9	44	0.5	5.6	4	81.6
3572159	Drill Core	<0.5	1.1	33	0.7	5.7	2	56.7
3572160	Rock Pulp	<0.5	0.3	266	5.3	19.9	77	48.7
3572161	Drill Core	<0.5	3.0	43	1.0	7.3	2	87.6
3572162	Drill Core	<0.5	1.4	30	0.4	4.8	3	50.7
3572163	Drill Core	<0.5	0.7	25	0.3	4.1	1	45.1
3572164	Drill Core	<0.5	1.3	34	0.6	5.2	1	96.5
3572165	Drill Core	<0.5	0.8	23	0.5	6.0	<1	61.0
3572166	Drill Core	<0.5	1.3	61	0.6	5.8	2	93.6
3572167	Drill Core	<0.5	0.7	27	0.4	7.6	1	44.5
3572168	Drill Core	<0.5	0.9	47	0.5	4.6	2	75.8
3572169	Drill Core	<0.5	0.7	38	0.6	3.4	2	63.6
3572170	Drill Core	<0.5	1.5	44	1.1	10.3	2	75.9

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Project: SPJ
Report Date: January 17, 2020

CERTIFICATE OF ANALYSIS TIM19002807.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3572171	Drill Core	6.23	0.009	<0.1	5.98	38	145	2	<0.1	1.23	<0.1	62	17.5	47	138.7	1.35	2.7	<0.05	0.59	33.4	6.6
3572172	Drill Core	4.35	0.009	<0.1	5.55	17	130	<1	<0.1	0.96	<0.1	52	7.3	47	125.6	1.02	2.4	<0.05	0.51	25.2	5.1
3572173	Drill Core	6.20	0.007	<0.1	6.15	27	118	1	<0.1	1.22	<0.1	50	8.1	44	30.4	0.82	2.6	<0.05	0.43	24.3	5.0
3572174	Drill Core	6.01	0.005	<0.1	6.11	29	103	2	<0.1	1.62	<0.1	46	8.1	52	23.3	0.69	2.8	<0.05	0.36	21.1	3.9
3572175	Silica	0.21	<0.005	<0.1	6.57	2	10	<1	<0.1	0.13	<0.1	<1	<0.2	3	0.5	0.17	0.2	<0.05	3.22	0.3	25.1
3572176	Drill Core	5.70	<0.005	<0.1	5.28	13	139	2	<0.1	0.79	<0.1	34	7.1	49	36.6	1.00	2.4	<0.05	0.57	14.9	6.0
3572177	Drill Core	5.60	<0.005	<0.1	5.51	7	146	2	<0.1	0.61	<0.1	34	4.3	43	16.4	0.99	1.8	<0.05	0.58	15.3	7.2
3572178	Drill Core	6.20	0.010	<0.1	5.50	5	97	1	<0.1	0.71	<0.1	34	5.8	34	71.3	1.07	1.5	<0.05	0.39	16.1	5.2
3572179	Drill Core	5.55	<0.005	<0.1	5.19	9	113	1	<0.1	0.62	<0.1	22	3.9	36	4.4	0.82	1.6	<0.05	0.43	10.5	5.8
3572180	Rock Pulp	0.07	0.521	0.2	7.00	3	149	<1	<0.1	6.77	0.2	9	47.1	158	148.8	7.78	1.5	0.08	0.17	4.0	10.7
3572181	Drill Core	4.01	0.007	<0.1	5.63	11	147	2	<0.1	0.70	<0.1	49	8.3	31	15.0	1.07	1.5	<0.05	0.45	23.9	5.6
3572182	Drill Core	4.18	0.007	<0.1	5.99	8	81	2	<0.1	0.96	<0.1	22	5.6	29	5.0	0.93	1.8	<0.05	0.27	10.5	4.5
3572183	Drill Core	3.64	0.020	<0.1	5.91	32	72	1	0.2	1.00	<0.1	20	11.1	22	11.3	0.79	1.8	<0.05	0.22	9.5	2.3
3572184	Drill Core	3.07	4.132	<0.1	6.15	178	74	2	1.9	1.75	<0.1	31	46.0	30	38.6	1.82	1.7	<0.05	0.21	16.1	1.8
3572185	Drill Core	4.24	5.115	<0.1	5.74	141	65	3	2.4	2.22	<0.1	23	38.9	24	44.4	1.63	1.4	<0.05	0.17	12.2	2.0
3572186	Drill Core	4.91	3.360	<0.1	7.03	58	96	2	0.6	1.61	<0.1	40	23.6	25	14.6	1.12	1.7	<0.05	0.21	19.7	2.8

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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3572171	Drill Core	1.66	115	0.9	5.125	1.5	71.6	0.078	2.5	28.1	<0.005	0.5	0.3	7	<1	0.3	90	0.2	<0.5	6.0	0.080
3572172	Drill Core	1.44	93	0.6	5.649	1.2	29.7	0.038	2.1	10.5	<0.005	0.2	0.2	5	<1	0.3	83	0.1	<0.5	4.8	0.066
3572173	Drill Core	1.36	114	0.4	5.783	1.4	26.5	0.050	2.0	11.5	<0.005	<0.1	0.3	7	<1	0.3	96	0.1	<0.5	5.6	0.069
3572174	Drill Core	1.28	139	0.4	5.617	1.9	19.9	0.076	1.8	9.0	<0.005	<0.1	0.3	6	<1	0.4	97	0.2	<0.5	6.5	0.078
3572175	Silica	0.01	32	0.1	8.330	<0.1	0.4	<0.001	3.7	46.2	<0.005	<0.1	0.2	<1	<1	<0.1	16	<0.1	<0.5	0.1	<0.001
3572176	Drill Core	1.39	72	0.4	5.502	1.2	29.6	0.058	2.4	11.2	<0.005	0.1	0.3	5	<1	0.2	102	0.1	<0.5	3.8	0.073
3572177	Drill Core	1.39	67	0.6	5.514	1.5	21.5	0.040	1.6	13.5	<0.005	<0.1	0.2	6	<1	0.3	96	0.1	<0.5	3.5	0.087
3572178	Drill Core	1.24	66	0.3	5.310	1.1	20.4	0.035	3.5	7.9	<0.005	0.2	0.3	4	<1	5.1	72	0.1	<0.5	2.8	0.066
3572179	Drill Core	1.20	68	0.3	5.274	1.2	16.5	0.037	0.9	6.3	<0.005	<0.1	0.2	5	<1	0.2	77	0.1	<0.5	2.8	0.067
3572180	Rock Pulp	4.18	1451	0.6	2.196	3.3	88.7	0.041	2.9	3.8	<0.005	0.1	0.5	42	<1	0.9	115	0.2	0.8	0.9	0.672
3572181	Drill Core	1.38	68	0.3	5.392	1.0	20.7	0.035	1.3	11.5	<0.005	<0.1	0.3	5	<1	0.2	95	0.1	<0.5	3.1	0.061
3572182	Drill Core	1.17	107	0.3	5.833	0.9	15.5	0.035	0.8	3.1	<0.005	<0.1	<0.1	5	<1	0.2	71	<0.1	<0.5	3.1	0.045
3572183	Drill Core	0.75	104	0.5	5.738	0.7	43.5	0.041	2.0	1.9	<0.005	0.2	0.5	3	<1	0.3	72	<0.1	0.6	3.2	0.032
3572184	Drill Core	1.05	139	0.3	5.434	0.5	122.2	0.046	4.4	4.0	<0.005	1.4	0.9	3	2	0.2	87	<0.1	5.2	4.9	0.022
3572185	Drill Core	1.28	192	0.2	5.045	0.4	93.6	0.035	2.7	4.6	<0.005	1.2	0.8	4	2	0.2	86	<0.1	4.5	3.8	0.019
3572186	Drill Core	1.21	140	0.5	5.872	0.6	29.4	0.048	1.5	5.6	<0.005	0.4	0.3	6	<1	0.3	101	<0.1	0.9	4.5	0.028

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 17, 2020

CERTIFICATE OF ANALYSIS TIM19002807.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3572171	Drill Core	<0.5	1.8	58	0.9	9.0	2	92.0
3572172	Drill Core	<0.5	1.3	52	0.7	4.6	2	83.2
3572173	Drill Core	<0.5	1.5	48	0.9	7.2	2	90.9
3572174	Drill Core	<0.5	1.6	47	1.0	8.8	1	99.2
3572175	Silica	0.7	<0.1	<1	<0.1	0.8	2	9.0
3572176	Drill Core	<0.5	1.6	47	0.5	4.4	2	80.5
3572177	Drill Core	<0.5	0.7	48	0.4	4.1	3	67.0
3572178	Drill Core	<0.5	0.8	37	0.7	4.7	2	52.5
3572179	Drill Core	<0.5	0.5	37	0.5	3.8	2	55.4
3572180	Rock Pulp	<0.5	<0.1	303	1.1	20.9	79	45.4
3572181	Drill Core	<0.5	0.8	38	0.3	5.6	3	54.6
3572182	Drill Core	<0.5	0.7	38	0.4	4.7	3	63.3
3572183	Drill Core	<0.5	1.9	22	0.6	5.7	2	63.4
3572184	Drill Core	<0.5	4.1	25	1.0	9.5	2	58.9
3572185	Drill Core	<0.5	3.9	20	0.9	9.8	<1	48.3
3572186	Drill Core	<0.5	2.7	27	0.7	7.8	2	58.2

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Project: SPJ
Report Date: January 17, 2020

QUALITY CONTROL REPORT TIM19002807.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
Pulp Duplicates																					
3572140	Rock Pulp	0.07	1.591	0.2	7.01	559	341	2	<0.1	5.36	<0.1	38	42.1	186	87.5	8.58	3.1	0.07	0.68	22.4	10.2
REP 3572140	QC			0.2	7.08	600	352	1	<0.1	5.72	<0.1	40	42.0	190	84.4	8.51	3.1	0.06	0.67	22.1	9.3
REP 3572159	QC		0.025																		
3572174	Drill Core	6.01	0.005	<0.1	6.11	29	103	2	<0.1	1.62	<0.1	46	8.1	52	23.3	0.69	2.8	<0.05	0.36	21.1	3.9
REP 3572174	QC			<0.1	5.99	29	101	1	<0.1	1.65	<0.1	42	7.1	53	20.9	0.67	2.8	<0.05	0.35	20.0	4.4
Core Reject Duplicates																					
3572159	Drill Core	5.99	0.024	<0.1	5.56	56	78	1	0.2	1.31	<0.1	26	16.5	33	91.4	0.97	1.5	<0.05	0.24	12.3	3.4
DUP 3572159	QC		0.026	<0.1	5.64	50	81	2	0.2	1.23	<0.1	29	15.8	34	93.0	0.93	1.6	<0.05	0.23	13.7	3.5
Reference Materials																					
STD OREAS25A-4A	Standard			<0.1	8.52	9	146	<1	0.3	0.27	<0.1	44	7.8	115	34.6	6.34	3.8	0.11	0.46	21.5	35.1
STD OREAS25A-4A	Standard			<0.1	8.50	10	150	1	0.4	0.26	<0.1	46	8.0	121	35.5	6.45	4.2	0.09	0.48	20.8	40.8
STD OREAS25A-4A	Standard			<0.1	9.12	9	153	1	0.3	0.29	<0.1	47	7.2	102	33.4	6.53	4.2	0.07	0.49	22.3	36.6
STD OREAS45E	Standard			0.3	6.89	17	268	<1	0.3	0.06	<0.1	21	59.0	957	784.8	25.18	2.8	0.12	0.31	10.2	6.9
STD OREAS45H	Standard			<0.1	8.08	16	360	<1	0.2	0.13	<0.1	26	92.3	652	784.8	19.84	3.5	0.15	0.20	13.8	12.0
STD OREAS45E	Standard			0.3	7.26	17	263	<1	0.3	0.07	<0.1	24	62.7	931	789.5	25.64	3.1	0.13	0.32	11.8	6.8
STD OXC145	Standard		0.214																		
STD OXC145	Standard		0.219																		
STD OXC145	Standard		0.207																		
STD OXH139	Standard		1.317																		
STD OXH139	Standard		1.277																		
STD OXH139	Standard		1.298																		
STD OXN134	Standard		7.661																		
STD OXN134	Standard		7.539																		
STD OXN134	Standard		7.410																		
STD OREAS45H Expected				0.147	7.99	16.9	332	1.09	0.17	0.135		23.6	88	602	767	19.52	3.6	0.1	0.205	12.4	13.1
STD OREAS25A-4A Expected					8.87	9.94	147	0.93	0.37	0.301		47.3	7.7	115	33.9	6.6	4.14	0.09	0.482	21.8	36.7
STD OREAS45E Expected				0.311	6.78	16.3	252		0.28	0.065	0.06	23.5	57	979	780	24.12	3.11	0.099	0.324	11	6.58
STD OXC145 Expected			0.212																		

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Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 17, 2020

QUALITY CONTROL REPORT TIM19002807.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
Pulp Duplicates																					
3572140	Rock Pulp	3.92	1897	2.6	2.103	18.0	126.3	0.155	5.2	20.5	<0.005	0.8	2.7	18	1	1.9	355	1.1	0.8	3.2	0.942
REP 3572140	QC	3.94	1883	2.5	2.124	18.3	131.9	0.170	5.1	21.2	<0.005	0.8	2.6	19	1	1.9	364	1.1	1.3	3.3	0.892
REP 3572159	QC																				
3572174	Drill Core	1.28	139	0.4	5.617	1.9	19.9	0.076	1.8	9.0	<0.005	<0.1	0.3	6	<1	0.4	97	0.2	<0.5	6.5	0.078
REP 3572174	QC	1.26	131	0.7	5.550	1.5	21.0	0.076	1.8	8.1	<0.005	<0.1	0.2	6	<1	0.2	88	0.1	<0.5	6.2	0.069
Core Reject Duplicates																					
3572159	Drill Core	1.26	129	0.7	5.417	0.9	60.1	0.046	3.2	3.6	<0.005	0.4	0.4	5	<1	0.4	78	<0.1	<0.5	3.1	0.040
DUP 3572159	QC	1.22	125	0.9	5.287	0.8	56.3	0.049	3.4	3.6	<0.005	0.4	0.4	5	<1	0.5	79	<0.1	<0.5	3.4	0.041
Reference Materials																					
STD OREAS25A-4A	Standard	0.34	479	2.4	0.115	17.5	44.5	0.043	24.7	53.8	<0.005	<0.1	0.6	11	3	4.2	45	1.2	<0.5	14.8	0.900
STD OREAS25A-4A	Standard	0.36	484	2.5	0.141	19.7	48.2	0.050	27.1	56.2	<0.005	<0.1	0.6	12	2	4.4	47	1.3	<0.5	15.9	0.889
STD OREAS25A-4A	Standard	0.34	489	2.5	0.131	19.7	43.5	0.050	26.1	61.4	<0.005	<0.1	0.6	12	2	3.9	49	1.2	<0.5	15.8	0.871
STD OREAS45E	Standard	0.16	554	2.5	0.057	6.2	466.8	0.034	20.0	20.5	<0.005	<0.1	1.2	97	3	1.4	18	0.5	<0.5	12.9	0.525
STD OREAS45H	Standard	0.26	419	1.7	0.086	13.8	434.1	0.024	13.2	22.8	<0.005	<0.1	0.7	56	1	2.1	30	0.9	<0.5	8.3	0.863
STD OREAS45E	Standard	0.18	601	2.5	0.064	5.9	489.7	0.035	19.4	21.7	<0.005	<0.1	0.9	89	<1	1.1	17	0.5	<0.5	14.8	0.563
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OREAS45H Expected		0.238	380	1.55	0.09	14.8	423	0.023	11.9	22.5			0.63	57	2.02	1.93	27.1	1.08		7.26	0.878
STD OREAS25A-4A Expected		0.327	480	2.41	0.131	20.9	45.8	0.048	25.2	61		0.047	0.65	13.7	2.4	4.06	48.5	1.4		15.8	0.93
STD OREAS45E Expected		0.156	570	2.4	0.059	6.8	454	0.034	18.2	21.2		0.046	1	93	2.97	1.32	15.9	0.54	0.1	12.9	0.559
STD OXC145 Expected																					

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Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 17, 2020

QUALITY CONTROL REPORT TIM19002807.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
Pulp Duplicates								
3572140	Rock Pulp	<0.5	1.0	154	1.2	22.0	102	117.2
REP 3572140	QC	<0.5	1.0	152	1.3	22.0	112	120.3
REP 3572159	QC							
3572174	Drill Core	<0.5	1.6	47	1.0	8.8	1	99.2
REP 3572174	QC	<0.5	1.5	46	0.9	7.9	1	96.7
Core Reject Duplicates								
3572159	Drill Core	<0.5	1.1	33	0.7	5.7	2	56.7
DUP 3572159	QC	<0.5	1.2	31	0.6	5.8	2	57.6
Reference Materials								
STD OREAS25A-4A	Standard	<0.5	2.8	148	1.8	10.0	45	138.2
STD OREAS25A-4A	Standard	<0.5	3.0	149	1.9	10.1	46	148.8
STD OREAS25A-4A	Standard	<0.5	2.9	147	1.7	11.1	44	146.1
STD OREAS45E	Standard	<0.5	2.7	311	1.0	7.8	48	94.3
STD OREAS45H	Standard	<0.5	1.9	272	0.9	10.2	36	122.4
STD OREAS45E	Standard	<0.5	2.6	342	1.0	8.3	47	91.9
STD OXC145	Standard							
STD OXC145	Standard							
STD OXC145	Standard							
STD OXH139	Standard							
STD OXH139	Standard							
STD OXH139	Standard							
STD OXN134	Standard							
STD OXN134	Standard							
STD OXN134	Standard							
STD OREAS45H Expected			1.68	263	0.99	10.4	39.7	131
STD OREAS25A-4A Expected		0.35	2.94	157	2	10.5	44.4	155
STD OREAS45E Expected		0.15	2.41	322	1.07	8.28	46.7	97
STD OXC145 Expected								

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QUALITY CONTROL REPORT TIM19002807.1

		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
STD OXN134 Expected			7.667																		
STD OXH139 Expected			1.312																		
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	2	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
Prep Wash																					
ROCK-TIM	Prep Blank		<0.005	<0.1	6.43	2	781	1	<0.1	1.44	<0.1	25	4.4	3	3.5	2.13	1.5	0.05	1.52	13.6	2.0
ROCK-TIM	Prep Blank		<0.005	<0.1	6.53	1	765	<1	<0.1	1.51	<0.1	27	4.7	4	4.0	2.23	1.7	<0.05	1.54	13.8	1.6

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Project: SPJ
Report Date: January 17, 2020

QUALITY CONTROL REPORT TIM19002807.1

		MA200 Mg % 0.01	MA200 Mn ppm 1	MA200 Mo ppm 0.1	MA200 Na % 0.001	MA200 Nb ppm 0.1	MA200 Ni ppm 0.1	MA200 P % 0.001	MA200 Pb ppm 0.1	MA200 Rb ppm 0.1	MA200 Re ppm 0.005	MA200 S % 0.1	MA200 Sb ppm 0.1	MA200 Sc ppm 1	MA200 Se ppm 1	MA200 Sn ppm 0.1	MA200 Sr ppm 1	MA200 Ta ppm 0.1	MA200 Te ppm 0.5	MA200 Th ppm 0.1	MA200 Ti % 0.001
STD OXN134 Expected																					
STD OXH139 Expected																					
BLK	Blank	<0.01	<1	<0.1	0.004	<0.1	0.3	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.004	<0.1	0.3	<0.001	<0.1	0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	<0.001	<0.1	0.2	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-TIM	Prep Blank	0.57	640	1.1	3.373	5.6	1.7	0.046	2.6	28.6	<0.005	<0.1	0.1	7	<1	0.9	205	0.4	<0.5	3.2	0.218
ROCK-TIM	Prep Blank	0.58	658	1.1	3.447	5.8	2.7	0.042	2.6	28.8	<0.005	<0.1	0.1	7	<1	0.9	209	0.4	<0.5	3.2	0.228

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BUREAU VERITAS
MINERAL LABORATORIES
Canada

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 17, 2020

QUALITY CONTROL REPORT TIM19002807.1

		MA200 Tl ppm 0.5	MA200 U ppm 0.1	MA200 V ppm 1	MA200 W ppm 0.1	MA200 Y ppm 0.1	MA200 Zn ppm 1	MA200 Zr ppm 0.1
STD OXN134 Expected								
STD OXH139 Expected								
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	0.1
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	0.1
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
Prep Wash								
ROCK-TIM	Prep Blank	<0.5	1.4	35	0.4	16.5	33	49.9
ROCK-TIM	Prep Blank	<0.5	1.3	36	0.3	17.5	36	51.1

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By:	Quentin Yarie
Receiving Lab:	Canada-Timmins
Received:	December 05, 2019
Analysis Start:	January 03, 2020
Report Date:	January 21, 2020
Page:	1 of 2

CERTIFICATE OF ANALYSIS TIM19002807M.1

CLIENT JOB INFORMATION

Project:	SPJ
Shipment ID:	
P.O. Number	
Number of Samples:	3

SAMPLE DISPOSAL

RTRN-PLP	Return After 90 days
RTRN-RJT	Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PUL85	3	Pulverize to 85% passing 200 mesh			TIM
SPTRF	3	Split samples by riffle splitter			TIM
FS652	3	Metallic Sieve 1 kg to 150 mesh - save + and - fraction			TIM
FS652	3	Metallic Fire Assay - duplicate minus fraction analysis	50	Completed	TIM
EN002	3	Environmental disposal charge-Fire assay lead waste			TIM

ADDITIONAL COMMENTS

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC:

MAY LAI
Data Validation Specialist

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All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 21, 2020

CERTIFICATE OF ANALYSIS TIM19002807M.1

	Method	M150 1kg	FA450	FA450	FS652	FS652	FS652
	Analyte	TotWt	-Au	-Au + Au Wt		+ Au	Au Total
	Unit	g	gm/t	gm/t	g	gm/t	gm/t
	MDL	1	0.005	0.005	0.01	0.05	0.05
3572149	Drill Core	1064	55.80	17.10	42.45	19.58	35.78
3572153	Drill Core	1075	26.64	21.84	39.01	20.10	24.14
3572155	Drill Core	1015	<0.005	<0.005	29.40	<0.05	<0.05

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 21, 2020

QUALITY CONTROL REPORT TIM19002807M.1

	Method	M150 1kg	FA450	FA450	FS652	FS652	FS652
	Analyte	TotWt	-Au	-Au	+ Au Wt	+ Au	Au Total
	Unit	g	gm/t	gm/t	g	gm/t	gm/t
	MDL	1	0.005	0.005	0.01	0.05	0.05
Pulp Duplicates							
3572149	Drill Core	1064	55.80	17.10	42.45	19.58	35.78
REP 3572149	QC			21.20			
Reference Materials							
STD OXC145	Standard			0.206			
STD OXC145	Standard		0.219				
STD OXC145	Standard			0.200			
STD OXH139	Standard			1.270			
STD OXH139	Standard		1.277				
STD OXH139	Standard		1.291				
STD OXH139	Standard			1.354			
STD OXN134	Standard			7.558			
STD OXN134	Standard		7.539				
STD OXN134	Standard		7.626				
STD OXN134	Standard			7.480			
STD OXP116	Standard				42.33	15.17	
STD OXQ90	Standard				48.02	24.95	
STD OXQ90 Expected						24.88	
STD OXP116 Expected						14.92	
BLK	Blank			<0.005			
BLK	Blank			<0.005			
BLK	Blank				50.00	<0.05	
BLK	Blank				50.00	<0.05	
BLK	Blank		<0.005				
BLK	Blank		<0.005				
BLK	Blank		<0.005				
BLK	Blank		<0.005				
BLK	Blank			<0.005			
BLK	Blank			<0.005			

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 21, 2020

QUALITY CONTROL REPORT TIM19002807M.1

		M150 1kg TotWt g 1	FA450 -Au gm/t 0.005	FA450 -Au gm/t 0.005	FS652 + Au Wt g 0.01	FS652 + Au gm/t 0.05	FS652 Au Total gm/t 0.05
Prep Wash							
ROCK-TIM	Prep Blank	1009	0.006	0.022	43.09	<0.05	<0.05

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By:	Quentin Yarie
Receiving Lab:	Canada-Timmins
Received:	December 10, 2019
Analysis Start:	January 03, 2020
Report Date:	January 14, 2020
Page:	1 of 4

CERTIFICATE OF ANALYSIS TIM19002831.1

CLIENT JOB INFORMATION

Project:	SPJ
Shipment ID:	
P.O. Number	
Number of Samples:	80

SAMPLE DISPOSAL

RTRN-PLP	Return After 90 days
RTRN-RJT	Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP85-500	76	Crush split and pulverize 250g of sample to 200mesh			TIM
SHP01	80	Per sample shipping charges for branch shipments			TIM
SLBHP	4	Sort, label and box pulps			TIM
FA450	80	50g Lead Collection Fire Assay Fusion - AAS Finish	50	Completed	TIM
EN002	80	Environmental disposal charge-Fire assay lead waste			TIM
MA200	80	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
EN001-MA	80	Environmental disposal fee - Multi-acid neutralization			VAN

ADDITIONAL COMMENTS

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
Marcus Lau
MARCUS LAU
Production Manager

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS TIM19002831.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3572187	Drill Core	6.52	0.020	<0.1	6.55	51	98	2	0.6	1.96	<0.1	33	19.9	33	17.1	0.90	2.1	<0.05	0.26	16.4	2.8
3572188	Drill Core	5.30	0.030	<0.1	6.61	54	71	2	0.4	2.22	<0.1	54	26.6	32	7.4	0.90	2.2	<0.05	0.18	27.1	1.7
3572189	Drill Core	5.35	<0.005	<0.1	6.13	10	87	2	<0.1	1.74	<0.1	74	7.2	30	11.1	0.72	1.8	<0.05	0.22	39.1	2.6
3572190	Drill Core	3.84	0.012	<0.1	6.05	16	48	2	0.1	1.81	<0.1	41	13.5	53	60.3	2.62	2.5	<0.05	0.13	20.9	6.4
3572191	Drill Core	6.88	0.029	<0.1	6.38	18	67	3	0.3	1.34	<0.1	49	14.2	26	11.2	1.37	1.5	<0.05	0.19	25.3	4.6
3572192	Drill Core	5.23	0.009	<0.1	5.86	21	117	2	0.2	0.92	<0.1	24	10.5	26	15.4	0.72	1.6	<0.05	0.24	12.1	2.7
3572193	Drill Core	6.41	0.005	<0.1	6.13	13	96	2	<0.1	2.36	<0.1	56	7.0	23	12.2	0.84	1.4	<0.05	0.23	26.2	2.5
3572194	Drill Core	4.39	<0.005	<0.1	6.04	3	122	3	<0.1	0.51	<0.1	27	4.6	24	4.3	0.62	1.6	<0.05	0.26	13.0	5.4
3572195	Drill Core	4.77	0.019	<0.1	5.79	3	83	2	<0.1	0.58	<0.1	24	5.2	29	3.0	1.23	1.6	<0.05	0.23	11.2	4.2
3572196	Drill Core	3.72	6.920	<0.1	6.92	<1	37	2	<0.1	0.54	<0.1	16	13.2	39	14.3	10.21	1.2	0.12	0.11	7.8	9.4
3572197	Drill Core	4.09	2.770	<0.1	6.42	<1	77	2	<0.1	0.76	<0.1	32	7.7	32	6.5	5.34	1.1	0.08	0.21	15.4	6.9
3572198	Rock Pulp	0.07	1.514	0.3	7.75	595	374	<1	<0.1	6.19	<0.1	39	44.8	194	89.6	9.21	3.8	0.09	0.69	22.7	10.2
3572199	Drill Core	4.52	2.300	<0.1	6.75	<1	57	2	<0.1	1.70	<0.1	31	4.1	46	4.8	2.87	2.4	<0.05	0.14	15.9	3.4
3572200	Silica	0.20	<0.005	<0.1	9.68	<1	19	<1	<0.1	0.17	<0.1	2	<0.2	1	0.3	0.18	0.2	<0.05	3.66	0.8	25.0
3572201	Drill Core	4.49	2.600	<0.1	6.69	3	37	2	<0.1	1.65	<0.1	39	8.3	49	2.1	2.89	2.3	0.07	0.12	18.1	4.3
3572202	Drill Core	3.80	9.174	0.2	7.19	89	39	2	1.8	1.76	<0.1	101	197.6	69	55.3	11.14	2.7	0.15	0.12	52.4	8.8
3572203	Drill Core	3.85	3.100	<0.1	6.99	3	48	1	<0.1	1.16	<0.1	61	16.5	55	6.6	5.18	2.2	0.07	0.14	30.3	7.2
3572204	Drill Core	4.58	1.940	<0.1	5.13	6	38	1	<0.1	0.22	<0.1	44	12.6	31	7.8	1.54	1.7	<0.05	0.10	20.9	1.7
3572205	Drill Core	4.72	3.520	<0.1	4.69	21	32	1	0.2	0.19	<0.1	14	31.1	27	9.5	1.33	1.5	<0.05	0.09	6.4	1.2
3572206	Drill Core	4.50	5.780	<0.1	6.50	19	48	2	0.3	0.28	<0.1	55	21.8	32	7.0	1.16	2.4	<0.05	0.12	26.3	1.3
3572207	Drill Core	5.01	<0.005	<0.1	6.50	1	58	2	<0.1	0.56	<0.1	64	2.1	26	2.2	0.45	2.6	<0.05	0.15	31.9	1.6
3572208	Drill Core	5.07	0.007	<0.1	5.52	6	87	2	0.1	1.07	<0.1	44	3.8	45	5.7	0.70	2.5	<0.05	0.25	20.5	3.8
3572209	Drill Core	5.84	<0.005	<0.1	6.34	2	70	3	<0.1	0.88	<0.1	50	2.0	29	4.1	0.51	2.3	<0.05	0.19	25.0	2.6
3572210	Drill Core	6.06	0.007	<0.1	5.77	9	76	3	<0.1	1.07	<0.1	96	4.7	35	9.7	0.62	2.5	<0.05	0.20	43.5	3.4
3572211	Drill Core	5.98	<0.005	<0.1	5.91	3	75	2	<0.1	1.05	<0.1	40	1.9	26	6.0	0.51	2.0	<0.05	0.22	19.5	3.4
3572212	Drill Core	5.61	<0.005	<0.1	7.00	18	114	2	<0.1	1.51	<0.1	38	7.1	33	27.7	0.79	2.3	<0.05	0.32	19.1	5.2
3572213	Drill Core	6.08	<0.005	<0.1	6.95	31	118	2	0.1	1.36	<0.1	67	5.9	39	32.8	0.85	2.8	<0.05	0.50	33.7	6.9
3572214	Drill Core	5.32	0.008	<0.1	6.61	26	88	3	0.1	1.48	<0.1	70	7.5	43	54.1	0.90	3.2	<0.05	0.35	35.5	5.8
3572215	Drill Core	5.96	<0.005	<0.1	6.12	7	62	2	<0.1	1.07	<0.1	27	2.1	25	5.9	0.48	1.7	<0.05	0.23	13.3	2.5
3572216	Drill Core	5.52	<0.005	<0.1	5.91	3	70	2	<0.1	0.68	<0.1	49	1.9	24	4.5	0.58	1.2	<0.05	0.23	24.0	4.7

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS TIM19002831.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3572187	Drill Core	1.38	161	0.3	5.303	1.0	33.2	0.047	1.4	7.6	<0.005	0.2	0.2	6	<1	0.1	96	0.1	1.0	5.2	0.040
3572188	Drill Core	1.28	189	0.4	5.582	0.8	22.6	0.076	1.5	3.3	<0.005	0.3	0.2	6	<1	0.1	93	<0.1	0.6	5.9	0.030
3572189	Drill Core	1.33	149	0.4	5.183	0.7	16.0	0.043	1.2	6.8	<0.005	<0.1	0.1	6	<1	0.1	118	<0.1	0.7	5.2	0.036
3572190	Drill Core	2.48	239	<0.1	3.803	0.7	23.9	0.051	1.6	2.7	<0.005	<0.1	0.1	10	<1	<0.1	73	<0.1	0.7	5.2	0.036
3572191	Drill Core	1.40	171	0.2	5.016	0.8	30.1	0.090	1.1	4.3	<0.005	0.1	0.1	5	1	0.2	87	<0.1	0.6	4.7	0.035
3572192	Drill Core	0.85	90	0.2	5.434	0.8	25.5	0.047	1.6	4.6	<0.005	0.1	0.1	4	<1	0.2	102	0.1	<0.5	4.8	0.037
3572193	Drill Core	1.63	198	0.2	5.068	0.7	16.6	0.043	1.2	6.5	<0.005	<0.1	0.1	7	<1	0.1	116	<0.1	<0.5	3.8	0.031
3572194	Drill Core	0.93	69	0.3	5.711	0.8	15.7	0.029	1.1	3.7	<0.005	<0.1	0.1	5	<1	<0.1	108	<0.1	<0.5	3.7	0.042
3572195	Drill Core	1.02	127	0.2	5.622	0.7	18.1	0.024	0.9	1.8	<0.005	<0.1	0.1	4	<1	0.1	72	<0.1	<0.5	2.7	0.039
3572196	Drill Core	3.00	340	3.2	2.327	2.1	112.4	0.008	0.5	2.9	<0.005	<0.1	0.3	4	<1	<0.1	22	0.2	0.8	1.7	0.088
3572197	Drill Core	2.05	271	2.0	3.687	1.5	88.9	0.015	0.7	11.8	<0.005	<0.1	0.2	4	<1	0.3	55	0.1	0.5	2.6	0.079
3572198	Rock Pulp	4.18	2158	2.6	2.201	20.1	142.2	0.190	5.4	21.7	<0.005	0.8	2.5	20	<1	1.7	387	1.1	2.0	3.5	1.017
3572199	Drill Core	1.10	266	0.2	5.019	3.2	28.9	0.040	0.9	3.7	<0.005	<0.1	<0.1	3	<1	0.1	82	0.3	<0.5	5.1	0.134
3572200	Silica	0.03	35	0.1	7.834	<0.1	0.6	<0.001	5.2	66.0	<0.005	<0.1	<0.1	<1	<1	<0.1	33	<0.1	<0.5	0.2	<0.001
3572201	Drill Core	1.15	302	<0.1	5.010	3.5	20.6	0.033	0.8	1.7	<0.005	<0.1	0.1	3	<1	<0.1	51	0.4	<0.5	5.6	0.142
3572202	Drill Core	2.74	456	<0.1	3.138	3.9	133.5	0.108	4.1	5.2	<0.005	4.3	0.7	7	6	0.2	31	0.4	2.0	7.4	0.141
3572203	Drill Core	1.76	315	<0.1	4.651	3.7	19.1	0.059	1.0	4.0	<0.005	0.5	0.1	5	<1	0.1	47	0.3	<0.5	5.6	0.136
3572204	Drill Core	0.41	58	0.2	5.624	2.9	20.6	0.039	1.0	0.6	<0.005	0.2	0.2	2	<1	<0.1	33	0.3	<0.5	3.7	0.125
3572205	Drill Core	0.20	33	0.1	5.385	2.0	41.5	0.066	1.1	0.7	<0.005	0.8	0.3	<1	<1	<0.1	32	0.2	<0.5	2.7	0.082
3572206	Drill Core	0.21	36	0.3	5.900	1.5	28.8	0.096	1.5	1.7	<0.005	0.7	0.2	1	<1	<0.1	41	0.1	<0.5	6.8	0.069
3572207	Drill Core	0.38	74	0.2	6.113	1.0	5.4	0.060	1.1	2.2	<0.005	<0.1	0.1	2	<1	<0.1	59	<0.1	<0.5	5.3	0.040
3572208	Drill Core	1.01	105	0.2	5.555	1.0	16.8	0.058	1.5	3.7	<0.005	<0.1	0.1	6	<1	0.1	83	0.1	<0.5	6.0	0.050
3572209	Drill Core	0.73	100	2.1	6.020	0.9	9.3	0.041	1.3	2.4	<0.005	<0.1	0.1	4	<1	<0.1	69	<0.1	<0.5	5.2	0.044
3572210	Drill Core	1.01	91	0.5	5.648	0.9	17.2	0.063	1.7	3.1	<0.005	<0.1	0.2	5	<1	<0.1	83	0.1	<0.5	5.3	0.045
3572211	Drill Core	0.89	80	0.4	6.046	0.9	8.5	0.045	1.4	3.6	<0.005	<0.1	0.2	5	<1	<0.1	77	<0.1	<0.5	4.1	0.043
3572212	Drill Core	1.64	103	0.3	5.957	1.0	19.8	0.053	2.4	14.1	<0.005	<0.1	0.2	8	<1	<0.1	138	0.1	0.7	6.6	0.045
3572213	Drill Core	1.81	94	0.3	6.133	1.2	34.1	0.049	2.2	31.3	<0.005	<0.1	0.3	8	<1	0.3	122	0.1	0.5	8.2	0.063
3572214	Drill Core	1.64	105	0.3	5.773	1.2	30.6	0.061	2.5	15.4	<0.005	0.1	0.2	8	<1	0.3	130	0.1	<0.5	7.6	0.059
3572215	Drill Core	0.91	81	0.3	6.011	1.0	10.9	0.035	1.4	6.4	<0.005	<0.1	0.2	5	<1	0.2	92	<0.1	<0.5	3.9	0.044
3572216	Drill Core	1.02	58	0.7	5.983	0.7	13.7	0.028	1.1	4.1	<0.005	<0.1	0.2	4	<1	0.1	94	<0.1	<0.5	2.6	0.033

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS TIM19002831.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3572187	Drill Core	<0.5	2.3	36	1.4	8.8	2	77.3
3572188	Drill Core	<0.5	2.4	27	1.0	11.8	4	80.6
3572189	Drill Core	<0.5	1.4	29	0.7	8.6	2	67.8
3572190	Drill Core	<0.5	1.7	46	1.0	16.2	9	91.5
3572191	Drill Core	<0.5	2.1	33	1.1	12.0	5	57.0
3572192	Drill Core	<0.5	1.8	26	0.9	5.5	2	58.1
3572193	Drill Core	<0.5	1.2	28	0.7	9.1	2	46.8
3572194	Drill Core	<0.5	0.7	30	0.2	4.5	3	64.9
3572195	Drill Core	<0.5	0.6	33	0.5	4.9	5	59.6
3572196	Drill Core	<0.5	0.9	74	1.9	5.6	25	38.7
3572197	Drill Core	<0.5	1.2	56	1.2	8.3	15	39.4
3572198	Rock Pulp	<0.5	1.0	176	1.4	24.5	120	128.0
3572199	Drill Core	<0.5	2.2	47	2.3	10.1	8	82.0
3572200	Silica	0.7	0.1	<1	<0.1	1.8	3	10.2
3572201	Drill Core	<0.5	1.7	36	4.3	8.9	8	82.1
3572202	Drill Core	<0.5	2.5	65	7.5	16.3	22	97.9
3572203	Drill Core	<0.5	1.5	43	4.9	8.3	13	77.8
3572204	Drill Core	<0.5	0.8	18	4.7	4.0	3	60.7
3572205	Drill Core	<0.5	0.8	13	3.5	2.9	2	54.9
3572206	Drill Core	<0.5	2.0	22	2.2	7.7	2	80.1
3572207	Drill Core	<0.5	3.1	22	1.1	6.2	1	88.8
3572208	Drill Core	<0.5	1.5	45	0.6	5.8	2	91.2
3572209	Drill Core	<0.5	1.3	33	0.5	4.7	2	79.0
3572210	Drill Core	<0.5	2.2	37	0.8	7.1	2	88.3
3572211	Drill Core	<0.5	1.2	38	0.6	5.6	<1	72.6
3572212	Drill Core	<0.5	2.6	42	0.5	7.8	5	85.7
3572213	Drill Core	<0.5	3.0	56	0.8	9.6	14	97.8
3572214	Drill Core	<0.5	3.0	42	0.8	10.4	3	111.2
3572215	Drill Core	<0.5	1.9	28	0.9	5.5	2	64.9
3572216	Drill Core	<0.5	0.7	34	0.5	3.9	3	48.2

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS TIM19002831.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3572217	Drill Core	5.81	<0.005	<0.1	6.13	6	56	2	<0.1	0.98	<0.1	21	2.1	25	5.8	0.54	1.8	<0.05	0.17	10.4	3.3
3572218	Drill Core	5.31	<0.005	<0.1	5.94	5	53	2	<0.1	1.09	<0.1	72	2.1	25	2.9	0.46	1.8	<0.05	0.14	34.6	1.5
3572219	Drill Core	5.35	<0.005	<0.1	6.49	2	41	2	<0.1	0.46	<0.1	57	0.9	20	1.2	0.29	2.3	<0.05	0.10	28.8	0.4
3572220	Rock Pulp	0.07	5.286	0.9	6.43	23	226	<1	0.3	5.50	<0.1	13	43.1	254	133.9	7.24	1.7	0.08	0.46	5.5	18.0
3572221	Drill Core	6.22	<0.005	<0.1	6.84	3	29	<1	<0.1	2.41	<0.1	39	6.2	29	1.2	0.79	1.8	<0.05	0.10	19.5	1.2
3572222	Drill Core	5.37	<0.005	<0.1	5.59	4	35	1	<0.1	0.66	<0.1	22	2.5	30	2.3	0.47	1.8	<0.05	0.09	10.6	0.7
3572223	Drill Core	5.63	0.006	<0.1	6.14	3	48	1	<0.1	0.59	<0.1	21	2.0	22	2.4	0.45	1.6	<0.05	0.15	10.0	2.0
3572224	Drill Core	6.08	<0.005	<0.1	6.48	3	44	2	<0.1	0.66	<0.1	46	1.5	22	2.0	0.46	2.3	<0.05	0.14	21.4	1.7
3572225	Silica	0.21	<0.005	<0.1	8.89	1	17	<1	<0.1	0.16	<0.1	1	<0.2	1	0.4	0.20	0.1	<0.05	3.00	0.6	24.5
3572226	Drill Core	4.87	<0.005	<0.1	6.74	3	35	<1	<0.1	2.30	<0.1	78	2.4	16	3.2	0.69	1.0	<0.05	0.13	40.2	0.7
3572227	Drill Core	3.86	0.067	<0.1	5.69	94	86	1	0.3	4.80	<0.1	80	67.5	28	3.5	2.10	2.1	<0.05	0.23	38.8	1.2
3572228	Drill Core	4.51	0.250	<0.1	5.90	188	27	<1	0.3	1.96	<0.1	90	97.6	27	23.2	2.31	1.4	<0.05	0.11	45.2	0.4
3572229	Drill Core	5.54	<0.005	<0.1	6.43	5	33	<1	<0.1	1.41	<0.1	22	4.4	13	5.7	0.65	1.2	<0.05	0.12	11.3	1.0
3572230	Drill Core	5.05	0.008	<0.1	6.19	8	54	2	<0.1	1.46	<0.1	33	9.5	34	1.5	0.78	3.0	<0.05	0.17	16.8	3.6
3572231	Drill Core	4.65	<0.005	<0.1	6.06	8	75	2	<0.1	0.74	<0.1	34	7.8	35	6.0	1.01	1.9	<0.05	0.24	17.4	6.1
3572232	Drill Core	6.32	0.122	<0.1	5.67	96	50	1	0.2	0.90	<0.1	44	32.1	28	2.6	1.03	1.7	<0.05	0.19	22.5	1.9
3572233	Drill Core	6.29	<0.005	<0.1	6.52	6	116	2	<0.1	1.14	<0.1	34	4.5	23	1.5	0.82	1.4	<0.05	0.35	16.3	4.2
3572234	Drill Core	4.88	0.203	<0.1	5.13	156	23	<1	0.4	0.84	<0.1	29	50.6	21	2.8	1.37	1.6	<0.05	0.09	14.0	0.7
3572235	Drill Core	5.91	0.302	<0.1	4.81	242	29	<1	0.5	0.83	<0.1	39	77.5	21	3.1	1.95	1.6	<0.05	0.13	18.4	0.8
3572236	Drill Core	5.80	0.045	<0.1	5.36	23	27	2	<0.1	0.52	<0.1	71	8.6	21	2.7	0.47	2.2	<0.05	0.12	34.5	1.0
3572237	Drill Core	5.64	0.017	<0.1	6.08	12	33	2	<0.1	0.76	<0.1	49	5.0	36	4.6	0.51	3.2	<0.05	0.18	24.6	2.0
3572238	Drill Core	6.46	0.034	<0.1	6.13	21	34	<1	<0.1	0.81	<0.1	100	8.3	23	2.6	0.52	1.9	<0.05	0.14	51.3	1.5
3572239	Drill Core	4.72	0.017	<0.1	6.24	13	29	1	<0.1	1.16	<0.1	34	4.9	28	1.7	0.52	2.8	<0.05	0.15	15.7	1.1
3572240	Rock Pulp	0.07	0.510	0.2	7.44	4	152	<1	<0.1	7.02	<0.1	10	49.4	171	160.7	8.10	1.6	0.11	0.19	4.3	11.9
3569801	Drill Core	3.92	0.005	<0.1	6.95	9	123	2	<0.1	2.47	<0.1	39	9.6	72	47.9	2.03	3.3	<0.05	0.61	15.2	9.1
3569802	Drill Core	4.23	0.008	<0.1	5.91	14	85	<1	0.2	3.72	<0.1	47	16.5	64	58.1	2.24	3.0	<0.05	0.46	19.2	8.2
3569803	Drill Core	3.22	0.006	<0.1	6.05	8	104	1	<0.1	3.24	<0.1	41	16.8	69	75.5	2.31	3.3	<0.05	0.62	16.7	10.4
3569804	Drill Core	3.89	0.006	<0.1	5.75	7	93	2	<0.1	5.50	<0.1	37	19.9	72	55.7	2.65	3.1	<0.05	0.56	14.7	10.8
3569805	Drill Core	4.56	<0.005	<0.1	6.39	3	102	2	<0.1	4.28	<0.1	42	9.6	68	13.0	2.49	3.3	<0.05	0.53	15.2	10.8
3569806	Drill Core	4.15	<0.005	<0.1	6.33	10	78	1	<0.1	2.67	<0.1	39	23.1	64	83.5	2.16	2.8	<0.05	0.27	14.2	6.7

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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3572217	Drill Core	0.93	77	0.3	6.019	0.8	13.0	0.035	1.3	3.4	<0.005	<0.1	0.2	4	<1	0.2	87	<0.1	<0.5	4.0	0.036
3572218	Drill Core	0.76	85	0.4	6.211	0.7	8.7	0.031	1.4	1.5	<0.005	<0.1	0.2	3	<1	0.2	73	<0.1	<0.5	3.8	0.029
3572219	Drill Core	0.22	44	0.5	6.532	0.9	3.0	0.034	1.1	2.0	<0.005	<0.1	0.2	2	<1	0.2	48	0.1	<0.5	6.6	0.037
3572220	Rock Pulp	4.10	1231	3.0	1.982	3.4	126.3	0.042	17.9	14.8	<0.005	0.4	0.5	34	<1	0.7	113	0.2	1.0	1.1	0.578
3572221	Drill Core	1.20	194	0.3	6.647	1.0	7.8	0.026	1.0	1.2	<0.005	<0.1	0.2	4	<1	0.1	51	0.1	<0.5	5.1	0.042
3572222	Drill Core	0.37	75	0.4	5.698	1.3	6.6	0.034	1.0	1.0	<0.005	<0.1	0.2	2	<1	0.3	38	0.1	<0.5	5.2	0.051
3572223	Drill Core	0.43	58	0.3	6.150	1.0	6.6	0.032	1.1	2.6	<0.005	<0.1	0.2	2	<1	0.3	67	<0.1	<0.5	3.8	0.043
3572224	Drill Core	0.47	64	0.3	6.511	1.1	6.3	0.035	1.3	1.9	<0.005	<0.1	0.2	3	<1	0.3	69	0.1	<0.5	4.8	0.043
3572225	Silica	0.02	36	0.1	9.123	<0.1	0.4	<0.001	5.2	44.8	<0.005	<0.1	0.1	<1	<1	<0.1	31	<0.1	<0.5	0.1	<0.001
3572226	Drill Core	1.09	177	0.2	6.262	0.4	5.9	0.055	1.0	2.3	<0.005	<0.1	0.2	3	<1	0.5	64	<0.1	<0.5	3.7	0.018
3572227	Drill Core	1.99	380	0.8	4.783	1.1	36.5	0.340	1.8	8.0	<0.005	1.1	0.4	5	2	0.2	97	<0.1	0.6	10.0	0.039
3572228	Drill Core	0.92	170	0.6	5.290	0.6	40.3	0.035	1.6	2.0	<0.005	1.9	0.4	3	1	0.1	52	<0.1	<0.5	4.1	0.025
3572229	Drill Core	0.73	129	0.6	6.187	0.6	6.3	0.019	1.0	1.9	<0.005	<0.1	0.2	3	<1	0.2	60	<0.1	<0.5	3.3	0.024
3572230	Drill Core	1.05	124	0.5	5.568	0.9	12.3	0.051	1.3	4.0	<0.005	0.1	0.2	5	<1	0.1	86	<0.1	<0.5	7.7	0.038
3572231	Drill Core	1.31	69	0.4	5.442	0.9	19.7	0.038	1.5	3.1	<0.005	0.1	0.1	5	<1	0.2	122	<0.1	<0.5	4.7	0.036
3572232	Drill Core	0.54	81	0.3	5.493	0.6	19.6	0.030	1.3	3.1	<0.005	0.7	0.2	2	<1	0.2	55	<0.1	<0.5	3.2	0.024
3572233	Drill Core	1.15	95	0.4	5.438	0.7	14.6	0.031	1.5	9.8	<0.005	<0.1	0.2	4	<1	0.2	145	<0.1	<0.5	3.6	0.029
3572234	Drill Core	0.46	71	0.5	5.297	0.5	25.9	0.027	1.6	0.8	<0.005	1.2	0.3	1	1	0.1	34	<0.1	<0.5	2.7	0.019
3572235	Drill Core	0.45	80	0.7	5.017	0.4	36.6	0.020	1.5	0.9	<0.005	1.8	0.3	2	2	0.2	36	<0.1	<0.5	3.0	0.018
3572236	Drill Core	0.29	52	0.4	5.175	1.0	8.7	0.060	1.3	1.7	<0.005	0.2	0.2	1	<1	0.2	44	0.1	<0.5	6.4	0.039
3572237	Drill Core	0.49	61	0.4	6.022	1.3	12.3	0.079	1.6	1.6	<0.005	<0.1	0.3	3	<1	0.2	62	0.1	<0.5	7.6	0.054
3572238	Drill Core	0.48	68	0.3	6.111	0.9	9.9	0.050	1.2	1.4	<0.005	0.2	0.2	2	<1	0.3	60	<0.1	<0.5	4.8	0.035
3572239	Drill Core	0.61	106	1.1	6.882	1.3	8.2	0.051	1.1	0.7	<0.005	<0.1	0.2	3	<1	0.2	54	0.1	<0.5	5.1	0.054
3572240	Rock Pulp	4.42	1448	0.8	2.453	3.6	98.1	0.042	3.2	4.0	<0.005	0.1	0.5	45	<1	0.6	123	0.2	1.0	0.4	0.688
3569801	Drill Core	2.08	169	0.2	5.971	7.0	55.8	0.049	8.9	31.4	<0.005	0.2	0.3	14	<1	2.2	69	0.6	<0.5	7.8	0.312
3569802	Drill Core	2.35	198	0.2	4.474	7.2	71.4	0.062	9.8	29.6	<0.005	0.4	0.3	12	<1	2.4	72	0.5	0.8	6.7	0.293
3569803	Drill Core	2.26	163	0.1	4.534	8.1	67.9	0.029	3.3	43.2	<0.005	0.3	0.3	13	<1	2.1	64	0.6	0.5	9.1	0.295
3569804	Drill Core	2.89	220	0.1	4.166	6.7	53.2	0.025	3.6	39.6	<0.005	0.4	0.3	11	1	1.8	96	0.5	1.2	6.0	0.267
3569805	Drill Core	3.00	159	0.1	4.745	7.3	44.0	0.027	5.9	35.9	<0.005	0.1	0.3	12	<1	1.8	77	0.5	<0.5	6.3	0.291
3569806	Drill Core	1.90	94	0.7	5.134	6.9	69.2	0.059	5.1	13.3	<0.005	0.4	0.3	11	<1	2.4	62	0.5	<0.5	6.3	0.275

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS TIM19002831.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3572217	Drill Core	<0.5	1.2	26	1.0	4.6	2	65.8
3572218	Drill Core	<0.5	0.9	22	0.6	5.0	2	63.6
3572219	Drill Core	<0.5	2.1	19	0.9	4.2	<1	82.2
3572220	Rock Pulp	<0.5	0.3	265	5.5	20.1	84	53.3
3572221	Drill Core	<0.5	1.7	22	1.6	5.0	<1	69.7
3572222	Drill Core	<0.5	1.6	24	1.4	2.6	3	63.5
3572223	Drill Core	<0.5	1.1	23	0.9	3.0	1	58.6
3572224	Drill Core	<0.5	1.5	26	1.4	4.2	1	81.7
3572225	Silica	0.7	0.1	<1	<0.1	1.6	3	9.4
3572226	Drill Core	<0.5	0.9	12	0.7	5.3	<1	37.3
3572227	Drill Core	<0.5	2.9	27	1.4	17.8	1	75.1
3572228	Drill Core	<0.5	1.1	17	0.9	5.9	1	51.0
3572229	Drill Core	<0.5	1.1	17	0.6	3.1	<1	43.1
3572230	Drill Core	<0.5	2.4	32	0.7	5.5	2	106.8
3572231	Drill Core	<0.5	1.9	38	0.2	4.3	3	67.0
3572232	Drill Core	<0.5	1.0	20	1.0	3.9	1	59.9
3572233	Drill Core	<0.5	1.1	30	0.3	4.8	2	49.7
3572234	Drill Core	<0.5	0.6	13	0.9	3.4	<1	54.4
3572235	Drill Core	<0.5	0.7	16	0.8	3.1	<1	54.5
3572236	Drill Core	<0.5	2.2	19	1.6	5.6	5	78.4
3572237	Drill Core	<0.5	1.9	31	1.4	6.1	1	115.4
3572238	Drill Core	<0.5	1.2	20	1.1	5.5	<1	67.0
3572239	Drill Core	<0.5	1.4	22	1.5	5.4	<1	98.6
3572240	Rock Pulp	<0.5	0.1	322	1.1	23.1	87	48.3
3569801	Drill Core	<0.5	2.3	104	0.5	18.3	6	116.7
3569802	Drill Core	<0.5	2.9	105	0.7	20.1	4	105.8
3569803	Drill Core	<0.5	3.4	99	0.3	17.9	3	117.4
3569804	Drill Core	<0.5	3.4	125	0.2	17.6	8	117.6
3569805	Drill Core	<0.5	3.5	127	0.3	19.5	7	118.0
3569806	Drill Core	<0.5	1.9	79	0.4	17.5	2	99.7

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Project: SPJ
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS TIM19002831.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3569807	Drill Core	4.07	<0.005	<0.1	6.27	23	92	2	0.2	2.67	<0.1	39	32.9	64	54.6	2.46	2.9	<0.05	0.37	16.3	7.8
3569808	Drill Core	6.07	<0.005	<0.1	6.81	4	187	2	<0.1	1.58	<0.1	70	8.4	86	7.9	2.26	3.3	<0.05	0.58	34.4	10.1
3569809	Drill Core	4.65	<0.005	<0.1	6.41	23	59	<1	0.2	2.77	<0.1	51	49.2	68	143.2	2.90	2.5	<0.05	0.15	20.8	5.8
3569810	Drill Core	4.64	<0.005	<0.1	6.83	8	69	2	<0.1	1.82	<0.1	41	18.5	85	51.7	2.07	3.6	<0.05	0.20	15.5	6.5
3569811	Drill Core	5.02	0.010	<0.1	6.65	126	91	2	0.6	1.42	<0.1	41	134.4	89	39.6	2.91	2.9	<0.05	0.30	15.6	7.9
3569812	Drill Core	5.33	<0.005	<0.1	6.39	3	194	2	<0.1	1.08	<0.1	29	6.4	83	9.8	2.05	2.9	<0.05	0.71	10.5	10.9
3569813	Drill Core	4.15	0.006	<0.1	6.56	19	102	2	0.2	1.52	<0.1	40	30.3	72	82.9	2.23	2.8	0.05	0.29	14.2	7.6
3569814	Drill Core	5.65	<0.005	<0.1	6.82	3	152	2	<0.1	1.36	<0.1	37	7.1	88	7.1	1.86	3.1	0.06	0.50	13.8	10.2
3569815	Drill Core	3.48	<0.005	<0.1	7.19	2	127	1	<0.1	1.66	<0.1	46	4.1	74	2.7	1.52	3.1	<0.05	0.37	15.9	9.2
3569816	Drill Core	4.18	<0.005	<0.1	6.91	1	249	3	<0.1	1.38	<0.1	25	6.8	94	2.0	2.38	3.8	<0.05	1.01	9.4	16.8
3569817	Drill Core	3.81	<0.005	<0.1	4.78	2	58	2	<0.1	6.59	<0.1	51	6.5	51	14.3	2.56	2.0	0.15	0.19	22.2	4.9
3569818	Drill Core	4.71	<0.005	<0.1	5.49	<1	38	2	<0.1	3.98	<0.1	50	3.9	69	1.1	1.84	3.1	0.10	0.20	19.1	6.8
3569819	Drill Core	5.25	<0.005	<0.1	6.74	4	87	2	<0.1	2.66	<0.1	58	4.9	89	1.3	1.74	3.6	<0.05	0.50	24.7	11.9
3569820	Rock Pulp	0.07	0.526	0.2	7.37	3	146	<1	<0.1	6.94	<0.1	10	46.3	171	163.7	8.02	1.7	0.10	0.18	3.9	11.3
3569821	Drill Core	5.71	<0.005	<0.1	7.62	5	68	<1	<0.1	3.59	<0.1	28	7.9	50	0.9	0.93	3.4	<0.05	0.40	14.6	11.1
3569822	Drill Core	5.12	<0.005	<0.1	7.57	6	78	1	<0.1	3.58	<0.1	30	5.9	55	1.3	0.88	3.8	<0.05	0.50	15.5	15.1
3569823	Drill Core	3.61	0.039	<0.1	6.51	34	131	2	0.3	3.38	<0.1	65	53.8	85	88.5	2.59	3.2	0.06	0.72	29.4	12.5
3569824	Drill Core	4.50	<0.005	<0.1	7.38	2	76	1	<0.1	3.96	<0.1	52	7.9	92	7.3	2.01	3.7	<0.05	0.35	20.5	9.4
3569825	Silica	0.20	<0.005	<0.1	8.56	1	14	<1	<0.1	0.15	<0.1	1	<0.2	1	0.2	0.17	0.2	<0.05	3.88	0.5	21.7
3569826	Drill Core	4.10	0.008	<0.1	7.80	4	161	2	<0.1	3.03	<0.1	137	9.1	84	21.1	2.14	3.8	<0.05	0.67	75.5	11.1

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Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS TIM19002831.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3569807	Drill Core	1.69	98	0.2	4.953	7.2	110.8	0.047	3.9	21.6	<0.005	0.7	0.3	12	2	2.1	59	0.5	<0.5	6.7	0.293
3569808	Drill Core	2.07	91	0.1	5.969	7.9	43.0	0.042	1.6	26.9	<0.005	<0.1	0.3	15	<1	1.9	60	0.6	<0.5	9.3	0.351
3569809	Drill Core	1.85	93	0.8	4.812	6.5	135.8	0.066	3.9	8.6	<0.005	0.7	0.3	10	2	2.5	55	0.5	<0.5	6.3	0.274
3569810	Drill Core	2.08	78	0.3	6.261	8.5	54.6	0.052	2.8	6.6	<0.005	0.2	0.4	16	1	3.7	49	0.7	<0.5	8.5	0.385
3569811	Drill Core	2.09	76	0.2	5.824	7.8	158.3	0.055	2.6	11.7	<0.005	1.3	0.6	16	3	3.2	47	0.6	0.6	8.0	0.356
3569812	Drill Core	1.92	69	<0.1	5.624	7.7	51.0	0.043	2.2	29.8	<0.005	<0.1	0.3	16	<1	2.3	57	0.6	<0.5	7.6	0.358
3569813	Drill Core	1.96	75	0.4	5.458	7.1	116.3	0.057	5.5	14.2	<0.005	0.4	0.5	13	1	2.9	57	0.6	<0.5	7.7	0.318
3569814	Drill Core	2.25	69	0.3	6.135	7.9	47.1	0.051	1.8	21.6	<0.005	<0.1	0.3	17	<1	3.4	58	0.7	0.6	9.0	0.377
3569815	Drill Core	2.13	72	<0.1	6.224	7.7	43.3	0.043	1.5	17.5	<0.005	<0.1	0.2	14	<1	3.2	78	0.6	<0.5	9.5	0.349
3569816	Drill Core	2.68	78	<0.1	6.031	9.2	63.9	0.037	1.4	44.6	<0.005	<0.1	0.2	19	<1	3.4	75	0.8	0.7	10.1	0.426
3569817	Drill Core	3.27	242	0.2	3.414	4.4	29.1	0.036	1.5	13.7	<0.005	<0.1	0.5	9	<1	2.3	113	0.4	1.3	6.0	0.205
3569818	Drill Core	2.38	148	<0.1	4.268	7.2	24.6	0.043	1.6	14.4	<0.005	<0.1	0.3	12	<1	2.7	73	0.6	0.9	9.3	0.283
3569819	Drill Core	1.91	157	<0.1	5.066	7.5	39.0	0.054	1.3	27.1	<0.005	<0.1	0.2	15	<1	2.4	61	0.6	<0.5	9.9	0.330
3569820	Rock Pulp	4.20	1512	0.7	2.262	3.6	97.9	0.042	3.2	4.0	<0.005	0.1	0.5	43	<1	0.7	120	0.2	1.0	0.4	0.672
3569821	Drill Core	1.71	222	0.7	6.491	4.3	17.2	0.029	2.0	14.7	<0.005	<0.1	0.2	12	<1	1.1	70	0.4	<0.5	9.6	0.231
3569822	Drill Core	1.52	205	1.3	6.904	5.3	26.7	0.030	1.8	18.3	<0.005	<0.1	0.2	12	<1	1.2	54	0.5	<0.5	8.7	0.260
3569823	Drill Core	2.09	169	0.5	4.706	6.8	119.6	0.058	5.5	52.6	<0.005	1.0	0.3	14	2	2.3	88	0.6	<0.5	9.3	0.300
3569824	Drill Core	2.58	193	0.6	5.298	8.9	41.5	0.052	4.8	19.7	<0.005	<0.1	0.1	17	<1	3.6	115	0.7	0.6	11.8	0.382
3569825	Silica	0.02	34	<0.1	8.208	<0.1	0.4	<0.001	5.1	56.1	<0.005	<0.1	0.2	<1	<1	<0.1	25	<0.1	<0.5	0.1	<0.001
3569826	Drill Core	2.44	140	0.1	5.856	8.1	52.7	0.055	4.9	42.8	<0.005	<0.1	0.3	19	1	3.5	107	0.7	<0.5	12.0	0.391

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Project: SPJ
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CERTIFICATE OF ANALYSIS TIM19002831.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3569807	Drill Core	<0.5	2.2	79	0.4	15.8	4	106.2
3569808	Drill Core	<0.5	1.2	98	0.6	14.6	2	110.5
3569809	Drill Core	<0.5	2.3	86	0.4	19.2	2	89.3
3569810	Drill Core	<0.5	1.8	99	1.1	19.4	2	117.8
3569811	Drill Core	<0.5	1.6	104	1.5	17.6	3	107.6
3569812	Drill Core	<0.5	1.3	98	0.9	13.5	2	101.7
3569813	Drill Core	<0.5	1.8	83	1.0	17.0	4	102.6
3569814	Drill Core	<0.5	1.5	102	1.3	16.7	2	113.1
3569815	Drill Core	<0.5	1.6	94	1.1	15.7	2	101.1
3569816	Drill Core	<0.5	1.3	124	1.7	16.0	4	119.8
3569817	Drill Core	<0.5	2.4	133	0.7	17.4	7	73.1
3569818	Drill Core	<0.5	4.1	92	0.3	17.4	3	110.5
3569819	Drill Core	<0.5	3.3	94	2.4	19.8	4	130.0
3569820	Rock Pulp	<0.5	0.1	316	1.2	23.2	82	46.8
3569821	Drill Core	<0.5	6.2	74	2.5	9.9	5	117.0
3569822	Drill Core	<0.5	4.7	78	2.3	10.4	3	137.3
3569823	Drill Core	<0.5	3.6	94	1.6	17.9	7	110.4
3569824	Drill Core	<0.5	3.5	116	1.5	26.1	4	129.5
3569825	Silica	0.8	<0.1	<1	<0.1	1.1	2	11.1
3569826	Drill Core	<0.5	2.3	118	1.2	24.2	3	127.4

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Report Date: January 14, 2020

QUALITY CONTROL REPORT TIM19002831.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
Pulp Duplicates																					
3572202	Drill Core	3.80	9.174	0.2	7.19	89	39	2	1.8	1.76	<0.1	101	197.6	69	55.3	11.14	2.7	0.15	0.12	52.4	8.8
REP 3572202	QC		9.461																		
3572208	Drill Core	5.07	0.007	<0.1	5.52	6	87	2	0.1	1.07	<0.1	44	3.8	45	5.7	0.70	2.5	<0.05	0.25	20.5	3.8
REP 3572208	QC			<0.1	5.72	6	89	2	<0.1	1.15	<0.1	42	4.0	49	6.2	0.77	2.5	<0.05	0.25	20.8	3.5
3572212	Drill Core	5.61	<0.005	<0.1	7.00	18	114	2	<0.1	1.51	<0.1	38	7.1	33	27.7	0.79	2.3	<0.05	0.32	19.1	5.2
REP 3572212	QC		0.008																		
3569802	Drill Core	4.23	0.008	<0.1	5.91	14	85	<1	0.2	3.72	<0.1	47	16.5	64	58.1	2.24	3.0	<0.05	0.46	19.2	8.2
REP 3569802	QC			<0.1	6.02	13	88	2	0.2	3.71	<0.1	47	17.8	69	57.5	2.26	3.0	<0.05	0.47	18.3	8.0
3569824	Drill Core	4.50	<0.005	<0.1	7.38	2	76	1	<0.1	3.96	<0.1	52	7.9	92	7.3	2.01	3.7	<0.05	0.35	20.5	9.4
REP 3569824	QC			<0.1	7.23	1	78	1	<0.1	3.85	<0.1	53	7.3	82	6.7	1.97	3.7	<0.05	0.38	20.2	9.4
Core Reject Duplicates																					
3572203	Drill Core	3.85	3.100	<0.1	6.99	3	48	1	<0.1	1.16	<0.1	61	16.5	55	6.6	5.18	2.2	0.07	0.14	30.3	7.2
DUP 3572203	QC		3.410	<0.1	6.71	4	46	2	0.1	1.11	<0.1	51	17.1	54	5.3	4.95	1.9	<0.05	0.13	24.3	7.0
3572237	Drill Core	5.64	0.017	<0.1	6.08	12	33	2	<0.1	0.76	<0.1	49	5.0	36	4.6	0.51	3.2	<0.05	0.18	24.6	2.0
DUP 3572237	QC		0.016	<0.1	6.05	12	33	1	<0.1	0.74	<0.1	48	4.7	31	4.6	0.51	3.1	<0.05	0.18	22.6	2.2
Reference Materials																					
STD OREAS25A-4A	Standard			<0.1	9.12	9	153	1	0.3	0.29	<0.1	47	7.2	102	33.4	6.53	4.2	0.07	0.49	22.3	36.6
STD OREAS25A-4A	Standard			<0.1	9.05	9	149	1	0.4	0.29	<0.1	50	7.6	111	35.4	6.62	4.3	0.12	0.46	23.0	40.5
STD OREAS25A-4A	Standard			<0.1	8.78	9	140	<1	0.3	0.28	<0.1	46	7.4	112	33.8	6.47	4.0	0.09	0.44	21.6	35.1
STD OREAS45E	Standard			0.3	7.26	17	263	<1	0.3	0.07	<0.1	24	62.7	931	789.5	25.64	3.1	0.13	0.32	11.8	6.8
STD OREAS45H	Standard			0.1	8.68	18	369	1	0.2	0.14	<0.1	28	99.1	599	823.3	21.43	4.0	0.09	0.22	13.3	13.7
STD OREAS45E	Standard			0.3	7.49	17	279	<1	0.3	0.06	<0.1	26	62.4	1107	826.2	26.00	3.3	0.12	0.35	12.6	7.2
STD OXC145	Standard		0.213																		
STD OXC145	Standard		0.219																		
STD OXH139	Standard		1.268																		
STD OXH139	Standard		1.277																		
STD OXN134	Standard		7.523																		
STD OXN134	Standard		7.539																		

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 14, 2020

QUALITY CONTROL REPORT TIM19002831.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
Pulp Duplicates																					
3572202	Drill Core	2.74	456	<0.1	3.138	3.9	133.5	0.108	4.1	5.2	<0.005	4.3	0.7	7	6	0.2	31	0.4	2.0	7.4	0.141
REP 3572202	QC																				
3572208	Drill Core	1.01	105	0.2	5.555	1.0	16.8	0.058	1.5	3.7	<0.005	<0.1	0.1	6	<1	0.1	83	0.1	<0.5	6.0	0.050
REP 3572208	QC	1.08	114	0.2	5.814	1.1	18.8	0.063	1.6	3.5	<0.005	<0.1	0.1	7	<1	<0.1	90	0.1	<0.5	5.6	0.054
3572212	Drill Core	1.64	103	0.3	5.957	1.0	19.8	0.053	2.4	14.1	<0.005	<0.1	0.2	8	<1	<0.1	138	0.1	0.7	6.6	0.045
REP 3572212	QC																				
3569802	Drill Core	2.35	198	0.2	4.474	7.2	71.4	0.062	9.8	29.6	<0.005	0.4	0.3	12	<1	2.4	72	0.5	0.8	6.7	0.293
REP 3569802	QC	2.40	194	0.2	4.624	7.2	73.4	0.061	9.1	31.1	<0.005	0.4	0.3	13	1	2.4	76	0.5	0.9	6.7	0.299
3569824	Drill Core	2.58	193	0.6	5.298	8.9	41.5	0.052	4.8	19.7	<0.005	<0.1	0.1	17	<1	3.6	115	0.7	0.6	11.8	0.382
REP 3569824	QC	2.55	189	0.7	5.206	9.0	39.9	0.050	4.9	23.8	<0.005	<0.1	0.2	17	<1	3.5	115	0.7	<0.5	11.5	0.394
Core Reject Duplicates																					
3572203	Drill Core	1.76	315	<0.1	4.651	3.7	19.1	0.059	1.0	4.0	<0.005	0.5	0.1	5	<1	0.1	47	0.3	<0.5	5.6	0.136
DUP 3572203	QC	1.67	302	0.1	4.291	3.4	17.6	0.057	0.9	2.7	<0.005	0.5	0.1	5	<1	0.1	47	0.3	<0.5	4.3	0.131
3572237	Drill Core	0.49	61	0.4	6.022	1.3	12.3	0.079	1.6	1.6	<0.005	<0.1	0.3	3	<1	0.2	62	0.1	<0.5	7.6	0.054
DUP 3572237	QC	0.50	60	0.5	6.021	1.3	11.8	0.083	1.4	1.7	<0.005	<0.1	0.3	2	<1	0.2	66	0.1	<0.5	6.8	0.050
Reference Materials																					
STD OREAS25A-4A	Standard	0.34	489	2.5	0.131	19.7	43.5	0.050	26.1	61.4	<0.005	<0.1	0.6	12	2	3.9	49	1.2	<0.5	15.8	0.871
STD OREAS25A-4A	Standard	0.34	488	2.2	0.128	18.8	46.4	0.048	25.2	60.2	<0.005	<0.1	0.8	12	2	4.0	48	1.3	<0.5	16.2	0.909
STD OREAS25A-4A	Standard	0.34	486	2.5	0.115	17.7	46.1	0.042	25.1	57.5	<0.005	<0.1	0.6	12	1	3.7	46	1.3	<0.5	16.2	0.881
STD OREAS45E	Standard	0.18	601	2.5	0.064	5.9	489.7	0.035	19.4	21.7	<0.005	<0.1	0.9	89	<1	1.1	17	0.5	<0.5	14.8	0.563
STD OREAS45H	Standard	0.29	422	1.6	0.094	15.1	469.7	0.023	14.2	22.8	<0.005	<0.1	0.8	61	2	2.2	32	1.0	<0.5	8.4	0.910
STD OREAS45E	Standard	0.17	627	2.5	0.058	6.7	511.5	0.033	21.5	24.7	<0.005	<0.1	1.2	97	3	1.5	17	0.6	<0.5	15.4	0.555
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 14, 2020

QUALITY CONTROL REPORT TIM19002831.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
Pulp Duplicates								
3572202	Drill Core	<0.5	2.5	65	7.5	16.3	22	97.9
REP 3572202	QC							
3572208	Drill Core	<0.5	1.5	45	0.6	5.8	2	91.2
REP 3572208	QC	<0.5	1.7	49	0.6	5.6	3	90.2
3572212	Drill Core	<0.5	2.6	42	0.5	7.8	5	85.7
REP 3572212	QC							
3569802	Drill Core	<0.5	2.9	105	0.7	20.1	4	105.8
REP 3569802	QC	<0.5	2.9	104	0.4	20.2	4	107.3
3569824	Drill Core	<0.5	3.5	116	1.5	26.1	4	129.5
REP 3569824	QC	<0.5	3.5	114	1.4	25.9	4	133.1
Core Reject Duplicates								
3572203	Drill Core	<0.5	1.5	43	4.9	8.3	13	77.8
DUP 3572203	QC	<0.5	1.2	41	5.3	7.6	13	68.9
3572237	Drill Core	<0.5	1.9	31	1.4	6.1	1	115.4
DUP 3572237	QC	<0.5	1.9	31	1.4	6.0	2	115.2
Reference Materials								
STD OREAS25A-4A	Standard	<0.5	2.9	147	1.7	11.1	44	146.1
STD OREAS25A-4A	Standard	<0.5	2.9	160	1.8	10.2	43	144.2
STD OREAS25A-4A	Standard	<0.5	3.0	149	1.8	10.0	46	135.4
STD OREAS45E	Standard	<0.5	2.6	342	1.0	8.3	47	91.9
STD OREAS45H	Standard	<0.5	2.0	284	1.0	11.0	40	135.3
STD OREAS45E	Standard	<0.5	2.6	344	1.0	9.2	47	105.7
STD OXC145	Standard							
STD OXC145	Standard							
STD OXH139	Standard							
STD OXH139	Standard							
STD OXN134	Standard							
STD OXN134	Standard							

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 14, 2020

QUALITY CONTROL REPORT TIM19002831.1

		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
STD OREAS45H Expected				0.147	7.99	16.9	332	1.09	0.17	0.135		23.6	88	602	767	19.52	3.6	0.1	0.205	12.4	13.1
STD OREAS25A-4A Expected					8.87	9.94	147	0.93	0.37	0.301		47.3	7.7	115	33.9	6.6	4.14	0.09	0.482	21.8	36.7
STD OREAS45E Expected				0.311	6.78	16.3	252		0.28	0.065	0.06	23.5	57	979	780	24.12	3.11	0.099	0.324	11	6.58
STD OXC145 Expected			0.212																		
STD OXN134 Expected			7.667																		
STD OXH139 Expected			1.312																		
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
Prep Wash																					
ROCK-TIM	Prep Blank		<0.005	<0.1	7.49	2	814	1	<0.1	1.60	<0.1	24	4.8	3	4.1	2.31	1.9	<0.05	1.64	11.7	2.2
ROCK-TIM	Prep Blank		<0.005	<0.1	7.54	<1	814	1	<0.1	1.61	<0.1	26	4.7	3	3.5	2.36	1.9	<0.05	1.59	13.8	2.1

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 14, 2020

QUALITY CONTROL REPORT TIM19002831.1

		MA200 Mg % 0.01	MA200 Mn ppm 1	MA200 Mo ppm 0.1	MA200 Na % 0.001	MA200 Nb ppm 0.1	MA200 Ni ppm 0.1	MA200 P % 0.001	MA200 Pb ppm 0.1	MA200 Rb ppm 0.1	MA200 Re ppm 0.005	MA200 S % 0.1	MA200 Sb ppm 0.1	MA200 Sc ppm 1	MA200 Se ppm 1	MA200 Sn ppm 0.1	MA200 Sr ppm 1	MA200 Ta ppm 0.1	MA200 Te ppm 0.5	MA200 Th ppm 0.1	MA200 Ti % 0.001
STD OREAS45H Expected		0.238	380	1.55	0.09	14.8	423	0.023	11.9	22.5			0.63	57	2.02	1.93	27.1	1.08		7.26	0.878
STD OREAS25A-4A Expected		0.327	480	2.41	0.131	20.9	45.8	0.048	25.2	61		0.047	0.65	13.7	2.4	4.06	48.5	1.4		15.8	0.93
STD OREAS45E Expected		0.156	570	2.4	0.059	6.8	454	0.034	18.2	21.2		0.046	1	93	2.97	1.32	15.9	0.54	0.1	12.9	0.559
STD OXC145 Expected																					
STD OXN134 Expected																					
STD OXH139 Expected																					
BLK	Blank	<0.01	<1	<0.1	<0.001	<0.1	0.2	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.004	<0.1	0.3	<0.001	<0.1	0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.003	<0.1	0.2	<0.001	<0.1	0.3	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-TIM	Prep Blank	0.61	733	0.9	3.796	5.8	1.6	0.047	2.4	28.6	<0.005	<0.1	<0.1	7	<1	0.7	212	0.4	<0.5	3.0	0.217
ROCK-TIM	Prep Blank	0.63	751	1.1	3.830	5.7	1.2	0.047	2.5	30.9	<0.005	<0.1	<0.1	7	<1	0.8	224	0.4	<0.5	3.1	0.225

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 14, 2020

QUALITY CONTROL REPORT TIM19002831.1

		MA200 Tl ppm 0.5	MA200 U ppm 0.1	MA200 V ppm 1	MA200 W ppm 0.1	MA200 Y ppm 0.1	MA200 Zn ppm 1	MA200 Zr ppm 0.1
STD OREAS45H Expected			1.68	263	0.99	10.4	39.7	131
STD OREAS25A-4A Expected		0.35	2.94	157	2	10.5	44.4	155
STD OREAS45E Expected		0.15	2.41	322	1.07	8.28	46.7	97
STD OXC145 Expected								
STD OXN134 Expected								
STD OXH139 Expected								
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	0.1
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	1	<0.1
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
Prep Wash								
ROCK-TIM	Prep Blank	<0.5	1.2	40	0.3	17.5	35	50.5
ROCK-TIM	Prep Blank	<0.5	1.2	40	0.3	17.7	35	50.9

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By:	Quentin Yarie
Receiving Lab:	Canada-Timmins
Received:	December 10, 2019
Analysis Start:	January 03, 2020
Report Date:	February 11, 2020
Page:	1 of 4

CERTIFICATE OF ANALYSIS TIM19002832.2

CLIENT JOB INFORMATION

Project:	SPJ
Shipment ID:	
P.O. Number	
Number of Samples:	80

SAMPLE DISPOSAL

RTRN-PLP	Return After 90 days
RTRN-RJT	Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP85-500	75	Crush split and pulverize 250g of sample to 200mesh			TIM
SHP01	80	Per sample shipping charges for branch shipments			TIM
SLBHP	5	Sort, label and box pulps			TIM
FA450	80	50g Lead Collection Fire Assay Fusion - AAS Finish	50	Completed	TIM
EN002	80	Environmental disposal charge-Fire assay lead waste			TIM
MA200	80	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
EN001-MA	80	Environmental disposal fee - Multi-acid neutralization			VAN
FA550	1	Lead collection fire assay 50G fusion - Grav finish	50	Completed	TIM

ADDITIONAL COMMENTS

Version 2: FA550-Au included. for 3569846.

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC:

MAY LAI
Data Validation Specialist

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All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: February 11, 2020

CERTIFICATE OF ANALYSIS TIM19002832.2

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3569827	Drill Core	3.48	0.006	<0.1	7.22	3	154	2	0.1	2.65	<0.1	40	9.4	91	11.8	2.15	3.7	<0.05	0.76	15.6	10.7
3569828	Drill Core	3.65	<0.005	<0.1	7.13	2	212	3	<0.1	2.77	<0.1	30	6.2	92	20.5	2.28	3.8	<0.05	1.05	10.6	14.2
3569829	Drill Core	3.57	0.015	<0.1	6.94	19	85	3	<0.1	4.96	<0.1	54	13.8	79	39.1	2.01	3.1	0.08	0.32	17.1	6.6
3569830	Drill Core	3.64	<0.005	<0.1	7.33	14	90	1	<0.1	4.07	<0.1	68	8.1	84	5.6	2.02	3.6	<0.05	0.37	23.5	7.6
3569831	Drill Core	6.19	<0.005	<0.1	6.48	2	483	3	0.1	1.20	<0.1	47	7.9	100	2.8	4.05	3.5	<0.05	1.92	23.4	18.3
3569832	Drill Core	4.74	<0.005	<0.1	6.52	2	510	3	0.1	0.75	<0.1	29	7.8	113	2.1	4.04	3.5	<0.05	1.98	13.3	18.9
3569833	Drill Core	4.50	0.008	<0.1	7.15	14	117	2	0.1	2.19	<0.1	38	9.7	91	95.6	2.21	3.9	<0.05	0.41	12.3	8.7
3569834	Drill Core	4.58	<0.005	<0.1	6.80	9	68	2	<0.1	2.68	<0.1	63	7.7	77	42.1	1.56	3.4	<0.05	0.20	21.9	5.7
3569835	Drill Core	4.83	<0.005	<0.1	6.91	6	127	3	0.1	2.34	<0.1	45	8.3	88	12.5	1.93	3.8	<0.05	0.47	15.5	9.7
3569836	Drill Core	4.20	<0.005	<0.1	6.24	3	68	3	<0.1	2.39	<0.1	42	3.1	56	5.9	1.02	4.3	<0.05	0.21	14.5	4.8
3569837	Drill Core	3.62	<0.005	<0.1	6.68	4	68	2	<0.1	2.16	<0.1	57	4.3	71	13.9	0.94	4.1	<0.05	0.22	19.7	5.0
3569838	Drill Core	5.76	<0.005	<0.1	6.22	4	57	3	<0.1	2.41	<0.1	42	3.2	49	13.7	0.85	4.1	<0.05	0.14	14.6	4.0
3569839	Drill Core	5.29	<0.005	<0.1	6.26	7	61	1	<0.1	2.73	<0.1	51	5.4	57	5.2	1.26	3.9	<0.05	0.18	21.5	4.1
3569840	Rock Pulp	0.07	5.211	0.9	6.29	23	218	<1	0.4	5.35	0.3	12	41.1	274	130.6	7.02	1.9	0.08	0.46	5.2	18.4
3569841	Drill Core	5.85	0.070	<0.1	7.67	45	33	2	0.3	2.99	<0.1	47	52.2	117	56.2	3.89	6.8	<0.05	0.07	30.2	5.1
3569842	Drill Core	3.34	0.079	<0.1	7.53	55	31	1	0.3	2.90	<0.1	41	59.8	120	60.1	3.85	5.9	<0.05	0.07	25.1	4.1
3569843	Drill Core	4.41	3.619	<0.1	7.28	3	42	2	1.2	2.97	<0.1	33	28.7	103	141.5	5.60	4.5	0.06	0.09	19.5	4.3
3569844	Drill Core	4.85	3.386	<0.1	6.79	<1	61	<1	0.8	1.30	<0.1	19	18.8	100	104.5	6.03	4.3	0.11	0.11	9.9	4.2
3569845	Drill Core	4.64	>10	0.1	7.37	2	77	<1	1.4	0.58	<0.1	59	38.9	143	126.2	11.46	3.8	0.08	0.22	34.0	7.7
3569846	Rock Pulp	0.07	>10	2.0	5.28	54	233	<1	0.6	4.01	0.2	12	33.0	508	116.7	4.49	1.3	<0.05	0.72	6.2	30.4
3569847	Drill Core	4.32	1.058	0.2	7.24	17	67	2	0.3	2.31	<0.1	47	21.2	116	34.0	6.28	3.8	0.10	0.10	22.7	7.4
3569848	Drill Core	5.04	0.013	<0.1	6.46	77	56	2	0.7	2.41	<0.1	50	127.3	91	369.2	5.77	3.5	<0.05	0.10	20.2	5.1
3569849	Drill Core	4.50	0.005	<0.1	7.00	15	130	2	0.2	2.63	<0.1	38	14.1	85	14.8	1.99	4.3	<0.05	0.49	13.8	8.0
3569850	Silica	0.20	<0.005	<0.1	5.91	2	8	<1	<0.1	0.10	<0.1	<1	<0.2	1	0.9	0.15	0.2	<0.05	4.46	0.1	21.0
3569851	Drill Core	4.15	<0.005	<0.1	7.27	8	195	3	0.3	2.42	<0.1	26	29.5	98	50.1	2.81	3.8	<0.05	0.83	10.0	12.1
3569852	Drill Core	4.92	<0.005	<0.1	6.81	13	116	1	<0.1	1.84	<0.1	43	13.2	71	26.2	1.60	3.7	<0.05	0.39	14.7	6.7
3569853	Drill Core	4.60	0.011	<0.1	6.43	30	123	2	0.1	2.25	<0.1	41	27.5	63	32.8	1.44	3.3	<0.05	0.29	15.1	5.1
3569854	Drill Core	3.77	0.006	<0.1	5.63	21	70	2	<0.1	5.17	<0.1	38	39.0	64	96.5	1.73	2.7	<0.05	0.14	15.9	3.4
3569855	Drill Core	5.20	<0.005	<0.1	6.80	16	83	1	0.1	2.58	<0.1	55	12.7	78	51.8	1.43	4.8	<0.05	0.27	21.0	5.2
3569856	Drill Core	5.36	<0.005	<0.1	7.16	5	155	2	<0.1	2.08	<0.1	32	15.3	97	27.7	2.40	4.2	<0.05	0.63	11.5	10.7

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: February 11, 2020

CERTIFICATE OF ANALYSIS TIM19002832.2

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3569827	Drill Core	2.51	113	<0.1	5.908	7.9	63.8	0.045	4.9	40.4	<0.005	<0.1	0.2	17	<1	2.6	92	0.7	0.8	12.8	0.315
3569828	Drill Core	2.55	105	0.3	5.472	7.3	66.7	0.039	2.3	53.2	<0.005	<0.1	0.3	17	<1	1.9	89	0.7	<0.5	11.1	0.313
3569829	Drill Core	2.54	148	0.7	5.610	8.9	51.3	0.041	3.5	18.9	<0.005	0.3	0.4	17	<1	2.4	122	0.6	0.7	10.4	0.324
3569830	Drill Core	2.48	120	1.8	5.977	9.1	57.2	0.057	5.4	22.7	<0.005	0.2	0.3	17	<1	2.9	93	0.7	1.3	13.1	0.344
3569831	Drill Core	2.53	83	<0.1	4.372	8.9	69.0	0.056	1.1	101.9	<0.005	<0.1	0.2	15	<1	1.4	70	0.7	0.6	10.4	0.321
3569832	Drill Core	2.57	76	<0.1	4.771	10.0	71.9	0.057	1.0	102.3	<0.005	<0.1	0.2	17	<1	1.6	53	0.9	0.7	10.6	0.374
3569833	Drill Core	2.23	87	0.5	6.012	8.8	188.2	0.064	14.0	12.7	<0.005	0.4	0.3	13	<1	2.1	82	0.8	0.8	9.8	0.321
3569834	Drill Core	2.49	89	0.5	5.478	8.6	143.5	0.072	6.2	11.4	<0.005	0.3	0.3	11	<1	2.0	82	0.7	0.7	10.6	0.289
3569835	Drill Core	2.24	105	0.6	5.531	8.9	55.2	0.074	4.4	20.9	<0.005	0.1	0.2	14	<1	1.9	71	0.7	0.8	10.3	0.320
3569836	Drill Core	1.96	94	1.0	5.275	8.7	21.4	0.084	2.5	8.5	<0.005	<0.1	0.2	9	<1	1.9	70	0.7	0.7	9.7	0.244
3569837	Drill Core	1.70	99	0.9	6.247	8.8	23.8	0.065	1.5	7.4	<0.005	<0.1	0.1	14	<1	1.9	71	0.7	0.5	10.1	0.298
3569838	Drill Core	1.35	133	1.2	5.455	7.2	21.0	0.083	1.5	4.7	<0.005	<0.1	0.2	9	<1	1.4	74	0.6	<0.5	10.1	0.215
3569839	Drill Core	1.47	199	0.8	5.422	6.9	22.3	0.072	1.4	5.4	<0.005	<0.1	0.3	8	<1	1.5	76	0.6	<0.5	8.5	0.229
3569840	Rock Pulp	4.10	1203	3.3	1.971	3.3	118.8	0.041	16.3	14.5	<0.005	0.4	0.4	33	<1	0.3	107	0.2	1.0	1.2	0.573
3569841	Drill Core	1.46	388	0.9	6.330	11.3	54.9	0.096	3.2	0.8	<0.005	0.4	0.2	11	<1	<0.1	62	1.0	0.7	14.3	0.349
3569842	Drill Core	1.46	389	0.8	6.495	11.0	53.5	0.098	3.3	0.5	<0.005	0.5	0.2	10	<1	0.1	61	1.0	<0.5	12.7	0.342
3569843	Drill Core	1.73	429	0.9	5.527	8.0	51.5	0.080	3.7	1.0	<0.005	0.9	0.1	8	<1	<0.1	65	0.7	1.0	10.4	0.270
3569844	Drill Core	1.46	338	0.4	5.916	9.5	153.5	0.049	2.2	0.8	<0.005	0.7	0.1	8	<1	<0.1	54	0.9	0.7	8.2	0.338
3569845	Drill Core	2.82	423	1.1	3.588	8.5	775.2	0.060	4.4	9.5	0.009	1.6	0.3	13	1	<0.1	65	0.7	1.0	9.8	0.297
3569846	Rock Pulp	4.29	718	5.2	1.225	2.1	216.5	0.026	37.9	28.6	<0.005	0.9	0.7	20	<1	0.2	89	0.1	1.1	2.0	0.233
3569847	Drill Core	2.36	445	1.0	4.594	8.9	58.2	0.083	2.5	1.9	0.007	0.1	0.3	14	<1	0.2	68	0.7	0.8	9.9	0.317
3569848	Drill Core	2.01	290	0.4	4.326	5.9	1318.0	0.073	13.7	2.6	<0.005	2.9	0.2	13	10	0.2	54	0.5	<0.5	9.3	0.246
3569849	Drill Core	2.01	177	0.5	5.673	7.2	58.1	0.058	2.0	19.0	<0.005	0.2	0.2	13	<1	2.2	76	0.6	<0.5	10.0	0.279
3569850	Silica	0.01	30	0.3	8.159	<0.1	0.9	<0.001	3.3	44.3	<0.005	<0.1	<0.1	<1	<1	<0.1	12	<0.1	<0.5	0.1	<0.001
3569851	Drill Core	2.57	188	<0.1	5.538	4.1	265.7	0.045	6.4	39.9	<0.005	0.5	0.5	17	<1	1.2	73	0.4	0.6	10.8	0.206
3569852	Drill Core	2.01	113	0.3	6.030	6.8	47.9	0.051	4.0	13.2	<0.005	0.2	0.3	12	<1	2.3	77	0.6	<0.5	10.1	0.236
3569853	Drill Core	1.58	120	0.6	5.493	4.4	56.7	0.056	3.6	13.6	<0.005	0.3	0.3	10	<1	1.1	90	0.4	<0.5	9.2	0.162
3569854	Drill Core	2.88	262	0.7	4.399	2.6	146.2	0.051	4.5	8.4	0.006	0.4	0.3	20	<1	1.1	129	0.3	1.1	11.3	0.114
3569855	Drill Core	1.82	88	0.3	5.786	8.7	67.4	0.065	5.1	11.1	<0.005	0.2	0.1	11	<1	1.8	91	0.7	<0.5	11.6	0.283
3569856	Drill Core	2.46	80	0.1	5.838	10.0	61.8	0.052	5.5	23.0	<0.005	0.2	0.3	14	<1	1.6	68	0.8	<0.5	11.0	0.334

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Project: SPJ
Report Date: February 11, 2020

CERTIFICATE OF ANALYSIS TIM19002832.2

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA550
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3569827	Drill Core	<0.5	2.1	112	1.0	21.8	3	128.5	
3569828	Drill Core	<0.5	2.1	104	1.0	17.7	3	126.5	
3569829	Drill Core	<0.5	2.7	102	1.0	27.2	3	122.0	
3569830	Drill Core	<0.5	3.2	99	1.2	28.2	2	133.3	
3569831	Drill Core	<0.5	1.2	100	0.3	10.1	4	124.2	
3569832	Drill Core	<0.5	1.1	117	0.2	11.7	5	130.2	
3569833	Drill Core	<0.5	3.0	100	0.9	20.5	5	139.0	
3569834	Drill Core	<0.5	3.9	90	1.0	23.7	3	128.1	
3569835	Drill Core	<0.5	2.6	98	0.6	19.3	2	133.1	
3569836	Drill Core	<0.5	2.2	71	0.7	19.8	2	140.6	
3569837	Drill Core	<0.5	3.3	91	1.5	19.3	3	138.9	
3569838	Drill Core	<0.5	2.9	61	1.3	19.2	2	152.5	
3569839	Drill Core	<0.5	2.8	64	1.9	17.6	3	139.5	
3569840	Rock Pulp	<0.5	0.3	234	5.0	19.4	86	49.6	
3569841	Drill Core	<0.5	16.3	90	5.4	16.5	5	224.4	
3569842	Drill Core	<0.5	14.7	91	5.5	15.9	5	213.4	
3569843	Drill Core	<0.5	10.2	82	9.1	11.1	6	160.2	
3569844	Drill Core	<0.5	6.6	74	10.4	5.9	6	154.0	
3569845	Drill Core	<0.5	10.1	85	11.9	10.0	13	138.0	
3569846	Rock Pulp	<0.5	0.5	123	13.2	10.1	78	49.7	12.1
3569847	Drill Core	<0.5	6.5	100	6.4	14.0	9	136.8	
3569848	Drill Core	<0.5	2.8	82	3.0	17.0	7	120.4	
3569849	Drill Core	<0.5	2.3	87	1.5	17.1	3	140.4	
3569850	Silica	0.5	<0.1	<1	<0.1	0.5	2	11.0	
3569851	Drill Core	<0.5	1.7	90	1.4	16.1	5	129.4	
3569852	Drill Core	<0.5	2.1	77	0.9	17.1	2	140.1	
3569853	Drill Core	<0.5	2.5	67	0.8	16.1	2	117.9	
3569854	Drill Core	<0.5	4.2	75	0.9	15.8	2	97.7	
3569855	Drill Core	<0.5	2.5	77	1.1	15.8	<1	162.9	
3569856	Drill Core	<0.5	2.6	96	0.3	16.7	<1	150.5	

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	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3569857	Drill Core	5.75	<0.005	<0.1	6.38	5	130	1	0.1	2.19	<0.1	49	9.9	77	20.9	1.72	3.5	<0.05	0.37	19.5	6.9
3569858	Drill Core	5.70	<0.005	<0.1	6.42	5	143	2	0.1	1.89	<0.1	45	13.0	82	14.4	1.67	3.7	<0.05	0.35	18.6	6.4
3569859	Drill Core	5.26	<0.005	<0.1	6.59	6	148	2	0.4	1.69	<0.1	52	18.8	85	18.4	2.06	3.7	<0.05	0.53	21.9	8.1
3569860	Rock Pulp	0.07	1.519	0.3	7.26	664	334	1	0.1	5.79	0.2	36	39.7	180	78.3	8.68	3.0	0.12	0.60	19.5	9.8
3569861	Drill Core	4.96	<0.005	<0.1	6.49	7	226	3	0.1	0.77	<0.1	46	20.6	80	18.2	2.68	4.4	<0.05	0.84	23.5	11.8
3569862	Drill Core	3.73	<0.005	<0.1	6.12	5	162	3	<0.1	1.49	<0.1	41	16.1	63	27.7	1.93	3.7	<0.05	0.46	18.5	7.3
3569863	Drill Core	4.81	<0.005	<0.1	6.28	<1	88	1	0.1	2.48	<0.1	54	7.6	56	21.6	1.37	4.1	<0.05	0.15	27.7	3.9
3569864	Drill Core	3.84	<0.005	<0.1	6.84	2	72	2	<0.1	2.79	<0.1	35	11.4	66	24.8	1.58	3.6	<0.05	0.14	13.8	3.9
3569865	Drill Core	3.82	<0.005	<0.1	7.63	10	152	2	0.5	2.09	<0.1	42	23.4	84	18.7	2.60	4.0	<0.05	0.52	17.0	8.2
3569866	Drill Core	3.96	<0.005	<0.1	7.35	10	81	2	3.2	1.52	<0.1	70	35.8	86	44.2	2.84	3.5	<0.05	0.22	29.5	5.2
3569867	Drill Core	3.78	<0.005	<0.1	7.45	<1	65	2	<0.1	2.40	0.1	61	8.3	84	12.6	1.73	3.4	<0.05	0.15	21.1	3.3
3569868	Drill Core	3.96	<0.005	<0.1	7.37	2	79	2	0.1	2.36	<0.1	35	21.4	95	53.6	2.77	3.6	<0.05	0.19	12.4	3.9
3569869	Drill Core	3.89	<0.005	<0.1	6.51	12	47	2	0.8	4.34	<0.1	56	50.2	72	134.8	3.16	4.7	0.06	0.08	20.5	2.0
3569870	Drill Core	4.06	<0.005	<0.1	6.33	3	79	2	<0.1	2.46	<0.1	35	9.7	50	17.2	1.30	3.3	<0.05	0.13	12.9	2.7
3569871	Drill Core	4.41	<0.005	<0.1	6.95	9	89	1	0.2	2.23	<0.1	44	18.3	71	26.6	1.72	3.8	<0.05	0.21	15.9	4.0
3569872	Drill Core	2.97	<0.005	<0.1	7.46	2	202	2	<0.1	1.88	<0.1	33	9.9	78	11.9	2.14	3.5	0.07	0.63	10.4	8.4
3569873	Drill Core	4.00	<0.005	<0.1	6.58	1	68	2	<0.1	4.91	<0.1	78	21.3	82	47.2	2.70	4.1	0.09	0.18	31.3	3.9
3569874	Drill Core	3.61	<0.005	<0.1	7.00	<1	57	2	<0.1	4.27	<0.1	55	11.5	75	16.5	2.15	4.2	0.09	0.12	20.8	2.7
3569875	Silica	0.20	<0.005	<0.1	9.41	<1	18	<1	<0.1	0.18	<0.1	1	<0.2	2	1.3	0.12	0.2	<0.05	4.51	0.4	24.7
3569876	Drill Core	4.65	<0.005	<0.1	6.32	8	54	1	0.3	4.76	<0.1	54	55.2	79	173.5	3.33	3.2	0.09	0.11	20.5	2.7
3569877	Drill Core	3.94	<0.005	<0.1	7.50	3	85	3	0.1	3.14	<0.1	64	17.8	80	23.5	2.07	3.7	<0.05	0.20	25.2	3.6
3569878	Drill Core	2.63	<0.005	<0.1	7.20	7	66	2	0.2	4.11	<0.1	60	29.5	69	22.8	2.08	3.2	<0.05	0.14	23.0	3.0
3569879	Drill Core	3.67	<0.005	<0.1	7.15	5	116	1	0.1	4.74	<0.1	54	19.6	82	7.2	2.90	3.4	0.09	0.35	22.8	6.8
3569880	Rock Pulp	0.07	0.517	0.2	7.28	5	145	<1	<0.1	6.77	0.1	10	45.0	163	147.3	7.92	1.5	0.08	0.19	3.8	12.3
3569881	Drill Core	5.50	<0.005	<0.1	7.46	7	145	2	0.3	3.91	<0.1	60	24.1	83	14.8	3.00	3.5	0.07	0.44	26.1	8.1
3569882	Drill Core	4.73	<0.005	<0.1	7.80	13	105	2	0.4	2.92	<0.1	61	26.5	82	33.7	2.75	3.4	0.07	0.32	25.1	6.1
3569883	Drill Core	5.31	<0.005	<0.1	6.88	2	105	2	<0.1	3.09	<0.1	44	13.3	75	31.9	1.76	3.2	<0.05	0.27	17.7	5.7
3569884	Drill Core	4.26	<0.005	<0.1	7.39	3	80	2	0.3	3.98	<0.1	59	25.3	72	67.8	2.49	3.7	<0.05	0.19	22.9	4.4
3569885	Drill Core	4.53	<0.005	<0.1	7.18	12	68	2	0.2	3.51	<0.1	55	25.7	74	16.5	2.05	3.4	0.06	0.17	22.4	3.5
3569886	Drill Core	3.76	<0.005	<0.1	6.76	2	81	1	<0.1	2.46	<0.1	33	5.1	43	10.3	1.13	2.5	<0.05	0.10	11.4	2.5

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: February 11, 2020

CERTIFICATE OF ANALYSIS TIM19002832.2

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3569857	Drill Core	1.79	77	0.2	5.170	8.1	34.6	0.064	3.5	17.6	<0.005	0.1	0.3	10	<1	1.3	76	0.6	<0.5	9.6	0.272
3569858	Drill Core	1.74	61	0.2	5.473	8.0	43.3	0.049	4.0	14.9	<0.005	0.1	0.3	11	<1	1.4	72	0.6	<0.5	8.8	0.285
3569859	Drill Core	2.04	59	0.2	5.739	9.4	56.5	0.058	3.3	21.8	<0.005	0.2	0.3	14	<1	1.1	64	0.8	0.8	10.1	0.310
3569860	Rock Pulp	3.92	1873	2.5	2.150	17.7	136.3	0.168	4.6	21.3	<0.005	0.7	2.3	18	<1	1.6	339	1.1	0.6	3.3	0.911
3569861	Drill Core	2.30	52	0.1	6.308	10.3	64.5	0.046	3.4	32.0	<0.005	0.3	0.4	13	<1	0.8	64	0.9	0.9	10.3	0.364
3569862	Drill Core	1.75	56	0.1	5.900	8.2	44.4	0.041	4.1	21.8	<0.005	0.2	0.3	11	<1	1.3	76	0.7	0.6	8.3	0.276
3569863	Drill Core	1.29	70	0.2	5.814	7.9	27.2	0.047	3.3	5.5	<0.005	0.1	0.3	8	1	1.7	84	0.6	<0.5	8.9	0.240
3569864	Drill Core	1.75	75	0.3	6.443	7.7	40.6	0.047	2.6	4.8	<0.005	0.2	0.4	11	2	1.9	74	0.6	0.5	7.5	0.292
3569865	Drill Core	2.75	79	0.3	6.455	9.3	70.1	0.053	2.7	26.1	<0.005	0.4	0.4	13	<1	1.6	66	0.8	<0.5	10.0	0.353
3569866	Drill Core	2.21	57	0.5	6.884	8.2	148.1	0.046	5.2	8.1	<0.005	1.1	0.7	12	3	3.3	52	0.7	2.0	10.2	0.343
3569867	Drill Core	2.24	77	0.7	7.069	9.3	32.8	0.056	1.7	4.6	<0.005	<0.1	0.3	18	<1	3.4	73	0.7	0.6	10.6	0.406
3569868	Drill Core	2.58	80	0.5	6.766	8.8	92.4	0.063	1.7	6.1	<0.005	0.5	0.3	16	2	3.4	66	0.7	0.7	10.0	0.348
3569869	Drill Core	1.99	115	1.2	5.785	8.2	162.4	0.057	3.7	3.3	<0.005	1.1	0.4	10	3	2.6	88	0.7	1.7	11.3	0.266
3569870	Drill Core	1.39	70	0.2	5.963	6.9	29.3	0.040	2.5	4.6	<0.005	0.2	0.3	9	<1	1.8	71	0.6	<0.5	8.5	0.243
3569871	Drill Core	1.92	70	0.3	6.503	8.4	51.5	0.054	3.0	8.1	<0.005	0.2	0.4	12	<1	2.1	69	0.7	0.9	10.1	0.321
3569872	Drill Core	2.54	71	0.2	6.715	8.0	45.4	0.036	2.3	29.9	<0.005	<0.1	0.2	17	<1	2.9	62	0.7	0.7	10.8	0.360
3569873	Drill Core	2.91	126	0.1	5.764	8.5	66.4	0.037	3.0	11.2	<0.005	0.4	0.5	14	<1	2.6	93	0.7	0.9	8.7	0.313
3569874	Drill Core	2.59	121	0.2	6.202	8.8	36.2	0.042	2.5	6.5	<0.005	0.1	0.6	15	<1	2.8	94	0.7	1.4	9.6	0.337
3569875	Silica	0.03	20	0.1	9.159	<0.1	0.4	<0.001	4.5	57.9	<0.005	<0.1	0.1	<1	<1	<0.1	32	<0.1	<0.5	0.3	<0.001
3569876	Drill Core	2.65	114	0.2	5.562	7.9	114.6	0.042	3.1	5.9	<0.005	0.8	0.6	12	4	2.5	89	0.7	1.9	7.9	0.295
3569877	Drill Core	2.20	91	0.2	6.639	9.6	49.4	0.059	2.5	9.1	<0.005	0.2	0.3	15	2	2.7	84	0.8	0.9	11.3	0.341
3569878	Drill Core	2.18	110	0.2	6.479	8.3	61.0	0.052	2.6	7.8	<0.005	0.4	0.5	12	2	2.4	94	0.7	1.2	10.5	0.296
3569879	Drill Core	3.25	136	0.2	5.693	7.9	49.9	0.041	1.8	23.7	<0.005	0.2	0.4	13	2	2.7	107	0.7	1.8	9.8	0.315
3569880	Rock Pulp	4.28	1397	0.7	2.388	3.4	95.9	0.043	2.8	3.6	<0.005	0.1	0.5	44	<1	0.6	121	0.2	1.0	0.4	0.667
3569881	Drill Core	2.95	131	0.3	5.874	8.7	69.6	0.059	2.3	30.2	<0.005	0.4	0.6	15	<1	2.5	95	0.8	2.2	11.5	0.345
3569882	Drill Core	2.45	89	0.3	6.856	8.2	144.8	0.065	6.2	18.8	<0.005	0.9	0.9	14	4	2.3	74	0.7	0.6	10.4	0.363
3569883	Drill Core	1.73	83	0.3	6.188	6.9	52.5	0.064	3.5	12.3	<0.005	0.2	0.4	11	<1	2.3	81	0.6	<0.5	8.0	0.303
3569884	Drill Core	2.17	99	0.5	6.470	7.7	83.4	0.070	2.7	10.8	<0.005	0.6	0.4	12	2	2.8	96	0.7	<0.5	9.1	0.297
3569885	Drill Core	2.43	91	0.4	6.039	7.7	44.2	0.058	2.2	9.7	<0.005	0.4	0.3	12	<1	2.3	86	0.7	0.8	10.3	0.312
3569886	Drill Core	1.53	59	0.5	6.053	5.5	17.7	0.043	1.4	3.4	<0.005	<0.1	0.3	9	1	1.8	76	0.5	<0.5	6.3	0.219

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Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: February 11, 2020

CERTIFICATE OF ANALYSIS TIM19002832.2

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA550
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3569857	Drill Core	<0.5	2.3	74	0.3	17.1	<1	137.4	
3569858	Drill Core	<0.5	2.1	77	0.5	14.4	<1	126.6	
3569859	Drill Core	<0.5	2.0	89	0.3	17.0	<1	135.3	
3569860	Rock Pulp	<0.5	0.9	161	1.3	23.0	107	114.1	
3569861	Drill Core	<0.5	1.8	105	0.4	15.3	4	147.6	
3569862	Drill Core	<0.5	2.2	71	0.4	14.9	2	126.1	
3569863	Drill Core	<0.5	2.6	51	0.5	17.1	<1	162.4	
3569864	Drill Core	<0.5	1.8	82	0.7	16.3	<1	123.9	
3569865	Drill Core	<0.5	2.6	112	1.3	18.4	3	136.3	
3569866	Drill Core	<0.5	2.3	116	1.5	18.3	2	122.1	
3569867	Drill Core	<0.5	2.4	105	1.1	23.7	2	123.2	
3569868	Drill Core	<0.5	2.9	117	1.0	22.6	2	131.0	
3569869	Drill Core	<0.5	4.0	81	0.5	22.3	1	164.4	
3569870	Drill Core	<0.5	2.1	69	0.5	14.7	1	116.3	
3569871	Drill Core	<0.5	2.2	92	1.3	17.4	2	130.4	
3569872	Drill Core	<0.5	2.0	109	2.2	17.1	3	118.3	
3569873	Drill Core	<0.5	4.7	140	0.3	23.1	2	159.1	
3569874	Drill Core	<0.5	4.1	121	7.7	24.2	2	145.3	
3569875	Silica	0.7	0.1	<1	<0.1	1.5	2	11.7	
3569876	Drill Core	<0.5	3.8	121	0.3	20.7	3	120.8	
3569877	Drill Core	<0.5	3.6	100	0.4	22.2	2	135.0	
3569878	Drill Core	<0.5	3.6	86	0.4	21.0	2	122.2	
3569879	Drill Core	<0.5	2.9	99	0.4	22.1	4	124.4	
3569880	Rock Pulp	<0.5	0.1	309	1.0	22.0	86	48.4	
3569881	Drill Core	<0.5	3.8	102	0.4	20.7	3	133.0	
3569882	Drill Core	<0.5	4.2	104	0.5	19.7	2	122.3	
3569883	Drill Core	<0.5	2.1	88	0.5	15.0	3	115.8	
3569884	Drill Core	<0.5	3.8	94	0.6	19.9	3	120.9	
3569885	Drill Core	<0.5	3.1	88	0.6	20.0	2	127.9	
3569886	Drill Core	<0.5	1.7	69	4.6	14.5	<1	91.2	

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Project: SPJ
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CERTIFICATE OF ANALYSIS TIM19002832.2

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3569887	Drill Core	3.78	<0.005	<0.1	7.61	5	77	2	0.8	3.89	<0.1	109	20.4	75	44.0	2.23	3.7	<0.05	0.20	54.9	3.7
3569888	Drill Core	4.16	<0.005	<0.1	7.44	2	55	1	<0.1	3.69	<0.1	56	11.0	74	30.1	1.86	3.9	<0.05	0.12	21.6	3.2
3569889	Drill Core	4.34	<0.005	<0.1	7.30	2	49	2	2.3	4.19	<0.1	67	8.3	70	11.3	1.96	3.4	<0.05	0.09	27.4	2.4
3569890	Drill Core	5.43	<0.005	<0.1	7.45	1	72	2	<0.1	3.08	<0.1	47	4.3	61	1.7	1.56	3.4	<0.05	0.11	18.0	3.2
3569891	Drill Core	3.68	<0.005	<0.1	7.58	12	81	3	0.2	3.81	<0.1	57	29.7	81	12.1	3.05	3.6	0.06	0.26	25.1	6.4
3569892	Drill Core	4.11	<0.005	<0.1	8.06	5	111	2	0.2	2.54	<0.1	44	12.8	94	25.0	2.43	3.9	<0.05	0.41	18.6	7.3
3569893	Drill Core	5.24	<0.005	<0.1	7.55	4	54	1	0.3	3.66	<0.1	112	9.7	76	15.5	1.73	3.8	<0.05	0.09	54.0	3.1
3569894	Drill Core	5.11	<0.005	<0.1	7.34	2	51	3	0.1	2.89	<0.1	55	8.7	69	30.0	1.89	4.1	<0.05	0.09	17.5	2.2
3569895	Drill Core	2.83	<0.005	<0.1	5.87	3	62	2	0.6	2.98	<0.1	42	65.1	68	468.8	4.52	2.6	0.06	0.07	17.2	1.6
3569896	Drill Core	4.68	<0.005	<0.1	6.18	2	76	2	0.3	2.55	<0.1	38	34.5	57	211.2	2.81	2.5	<0.05	0.10	16.0	2.5
3569897	Drill Core	6.24	<0.005	<0.1	7.09	2	113	2	<0.1	2.08	<0.1	49	17.1	85	26.4	2.05	4.3	<0.05	0.33	18.9	4.7
3569898	Silica	0.21	<0.005	<0.1	9.90	1	14	1	<0.1	0.18	<0.1	<1	<0.2	<1	1.8	0.14	0.1	<0.05	3.82	0.4	22.6
3569899	Drill Core	5.81	<0.005	<0.1	7.21	2	94	2	<0.1	2.97	<0.1	59	12.7	73	33.0	1.88	4.0	0.09	0.24	24.5	3.1
3569900	Rock Pulp	0.07	5.239	0.8	5.94	20	203	<1	0.3	4.95	0.1	10	38.8	241	129.4	6.54	1.6	0.07	0.44	4.9	18.0
3569901	Drill Core	5.96	<0.005	<0.1	6.93	3	71	2	0.2	3.32	<0.1	64	16.9	68	31.9	1.75	3.7	<0.05	0.13	27.5	2.4
3569902	Drill Core	5.93	<0.005	<0.1	6.87	<1	77	3	<0.1	3.66	<0.1	57	9.2	65	29.7	1.85	3.4	<0.05	0.19	23.8	2.8
3569903	Drill Core	5.39	<0.005	<0.1	6.92	2	68	2	<0.1	3.60	<0.1	47	9.7	69	22.3	1.67	3.5	<0.05	0.13	18.4	2.4
3569904	Drill Core	5.06	<0.005	<0.1	7.23	2	129	1	<0.1	2.50	<0.1	51	10.5	79	31.0	1.87	3.8	<0.05	0.35	18.3	4.1
3569905	Drill Core	6.01	<0.005	<0.1	6.74	2	221	3	<0.1	3.91	<0.1	40	18.0	84	30.1	4.15	3.8	0.06	1.12	15.8	15.1
3569906	Drill Core	5.04	<0.005	<0.1	7.32	7	124	3	0.2	3.96	<0.1	54	23.0	92	14.0	3.45	3.7	0.08	0.51	24.1	9.1

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CERTIFICATE OF ANALYSIS TIM19002832.2

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3569887	Drill Core	2.40	98	0.6	6.520	8.6	59.2	0.063	2.2	11.6	<0.005	0.4	0.3	14	2	2.6	84	0.7	1.8	11.2	0.343
3569888	Drill Core	2.48	91	0.5	6.757	9.0	39.8	0.070	2.2	5.7	<0.005	0.2	0.3	14	<1	2.6	84	0.8	<0.5	11.8	0.353
3569889	Drill Core	2.75	104	0.2	6.149	7.9	32.1	0.059	1.9	4.5	<0.005	0.1	0.4	13	2	2.4	85	0.7	2.0	10.2	0.309
3569890	Drill Core	2.49	82	0.2	6.541	7.3	17.5	0.058	1.5	5.0	<0.005	<0.1	0.3	12	2	2.6	76	0.6	<0.5	8.9	0.296
3569891	Drill Core	3.69	118	0.1	6.016	9.1	55.5	0.047	2.4	15.1	<0.005	0.5	0.4	15	<1	2.6	86	0.8	2.1	11.6	0.356
3569892	Drill Core	2.90	82	<0.1	6.980	10.4	60.5	0.047	3.6	13.8	<0.005	0.3	0.4	17	<1	2.4	76	1.0	<0.5	12.1	0.403
3569893	Drill Core	2.25	89	0.7	6.571	8.5	36.9	0.060	3.1	4.6	<0.005	0.2	0.4	14	<1	2.9	87	0.8	1.2	11.5	0.359
3569894	Drill Core	2.55	82	0.6	6.610	8.9	38.6	0.062	2.6	4.1	<0.005	0.2	0.8	13	<1	2.8	70	0.8	<0.5	11.5	0.321
3569895	Drill Core	1.86	79	0.2	4.719	5.8	308.6	0.081	4.0	3.3	<0.005	1.5	0.3	9	3	1.9	79	0.5	1.1	7.3	0.212
3569896	Drill Core	1.62	69	0.2	5.090	5.2	162.3	0.072	3.4	3.4	<0.005	0.8	0.4	9	6	1.9	82	0.5	0.6	6.3	0.209
3569897	Drill Core	2.24	67	0.5	6.007	10.2	62.9	0.061	3.2	9.5	<0.005	0.2	0.4	13	1	2.0	77	0.8	0.8	10.4	0.348
3569898	Silica	0.02	25	<0.1	7.463	<0.1	0.5	<0.001	4.4	54.3	<0.005	<0.1	0.1	<1	<1	<0.1	25	<0.1	<0.5	0.1	<0.001
3569899	Drill Core	2.13	83	0.2	5.831	10.6	55.8	0.056	3.4	10.7	<0.005	0.2	0.5	13	3	2.2	81	0.9	0.9	13.1	0.332
3569900	Rock Pulp	3.81	1120	2.8	1.786	3.0	113.0	0.040	15.3	13.5	0.006	0.4	0.4	30	2	0.5	106	0.2	1.6	0.9	0.537
3569901	Drill Core	1.86	82	0.1	5.637	8.5	45.4	0.062	3.5	5.9	<0.005	0.3	1.0	12	2	2.4	82	0.7	1.0	10.3	0.292
3569902	Drill Core	1.98	95	0.1	5.462	8.5	49.5	0.052	3.2	12.1	<0.005	0.2	0.6	12	1	2.3	80	0.7	0.6	10.1	0.293
3569903	Drill Core	1.83	87	0.2	5.594	7.8	38.1	0.062	3.2	6.0	<0.005	0.2	0.5	12	2	2.2	81	0.7	0.9	8.4	0.301
3569904	Drill Core	2.05	73	0.3	6.084	8.9	45.6	0.074	3.7	16.2	<0.005	0.2	0.4	14	2	2.8	84	0.7	1.1	10.0	0.341
3569905	Drill Core	5.03	134	<0.1	3.981	7.7	68.8	0.054	2.4	79.4	<0.005	0.2	0.3	14	<1	2.8	78	0.8	1.9	9.4	0.322
3569906	Drill Core	4.03	116	<0.1	4.779	8.8	55.7	0.047	2.5	34.5	<0.005	0.4	0.8	16	3	2.6	87	0.8	1.3	12.3	0.345

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: February 11, 2020

CERTIFICATE OF ANALYSIS TIM19002832.2

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA550
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3569887	Drill Core	<0.5	3.7	112	0.6	21.3	1	131.9	
3569888	Drill Core	<0.5	3.8	112	0.5	22.3	2	139.2	
3569889	Drill Core	<0.5	3.6	116	0.4	19.6	3	126.4	
3569890	Drill Core	<0.5	3.1	105	0.4	20.7	2	116.4	
3569891	Drill Core	<0.5	3.2	126	0.7	23.2	3	140.7	
3569892	Drill Core	<0.5	2.7	131	2.9	21.0	2	146.3	
3569893	Drill Core	<0.5	3.6	107	0.5	21.9	2	136.1	
3569894	Drill Core	<0.5	4.1	103	0.3	23.5	2	155.3	
3569895	Drill Core	<0.5	2.8	85	0.4	15.4	3	82.4	
3569896	Drill Core	<0.5	1.6	79	0.4	14.1	1	85.7	
3569897	Drill Core	<0.5	2.6	94	0.5	17.6	3	130.4	
3569898	Silica	0.7	<0.1	<1	<0.1	1.0	3	8.2	
3569899	Drill Core	<0.5	3.9	90	0.4	20.5	2	129.4	
3569900	Rock Pulp	<0.5	0.2	247	4.9	18.3	87	51.0	
3569901	Drill Core	<0.5	3.5	81	0.5	20.0	2	122.7	
3569902	Drill Core	<0.5	3.5	85	0.4	20.7	2	112.8	
3569903	Drill Core	<0.5	2.5	81	0.4	19.4	3	116.9	
3569904	Drill Core	<0.5	2.8	90	0.5	20.4	2	126.7	
3569905	Drill Core	<0.5	3.1	151	0.2	20.1	5	120.7	
3569906	Drill Core	<0.5	2.6	112	0.3	21.4	4	121.4	

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: February 11, 2020

QUALITY CONTROL REPORT TIM19002832.2

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
Pulp Duplicates																					
3569844	Drill Core	4.85	3.386	<0.1	6.79	<1	61	<1	0.8	1.30	<0.1	19	18.8	100	104.5	6.03	4.3	0.11	0.11	9.9	4.2
REP 3569844	QC			0.1	6.95	2	60	1	0.7	1.31	<0.1	21	18.4	98	103.3	5.97	4.2	<0.05	0.11	10.9	4.6
3569846	Rock Pulp	0.07	>10	2.0	5.28	54	233	<1	0.6	4.01	0.2	12	33.0	508	116.7	4.49	1.3	<0.05	0.72	6.2	30.4
REP 3569846	QC																				
3569864	Drill Core	3.84	<0.005	<0.1	6.84	2	72	2	<0.1	2.79	<0.1	35	11.4	66	24.8	1.58	3.6	<0.05	0.14	13.8	3.9
REP 3569864	QC		<0.005																		
3569878	Drill Core	2.63	<0.005	<0.1	7.20	7	66	2	0.2	4.11	<0.1	60	29.5	69	22.8	2.08	3.2	<0.05	0.14	23.0	3.0
REP 3569878	QC			<0.1	7.14	6	65	3	0.2	4.15	<0.1	62	25.9	67	22.8	2.00	3.6	<0.05	0.13	23.7	2.6
Core Reject Duplicates																					
3569843	Drill Core	4.41	3.619	<0.1	7.28	3	42	2	1.2	2.97	<0.1	33	28.7	103	141.5	5.60	4.5	0.06	0.09	19.5	4.3
DUP 3569843	QC		4.211	<0.1	7.52	2	46	1	1.4	3.00	<0.1	38	29.8	106	151.5	5.81	4.4	<0.05	0.10	21.8	5.3
3569877	Drill Core	3.94	<0.005	<0.1	7.50	3	85	3	0.1	3.14	<0.1	64	17.8	80	23.5	2.07	3.7	<0.05	0.20	25.2	3.6
DUP 3569877	QC		<0.005	<0.1	7.50	3	83	2	0.1	3.07	<0.1	58	16.2	78	21.3	2.09	3.3	0.10	0.20	23.1	3.5
Reference Materials																					
STD OREAS25A-4A	Standard			<0.1	8.39	10	140	2	0.6	0.25	<0.1	43	7.1	110	30.7	6.19	4.0	0.08	0.46	17.9	37.5
STD OREAS25A-4A	Standard			<0.1	8.73	10	146	1	0.4	0.28	<0.1	44	7.4	105	32.5	6.50	4.1	0.13	0.46	18.9	38.7
STD OREAS25A-4A	Standard			<0.1	9.13	10	157	<1	0.4	0.30	<0.1	49	8.1	115	35.8	6.59	4.5	0.06	0.48	23.3	37.7
STD OREAS45E	Standard			0.3	6.75	16	240	<1	0.5	0.06	<0.1	19	57.3	947	758.2	24.22	2.7	0.09	0.33	8.2	7.2
STD OREAS45H	Standard			0.1	8.22	17	346	1	0.2	0.14	<0.1	26	89.9	667	789.4	20.27	3.4	0.14	0.20	13.7	15.6
STD OREAS45E	Standard			0.3	6.75	16	259	<1	0.3	0.07	<0.1	24	55.8	989	762.1	24.97	3.1	0.06	0.33	11.0	6.8
STD OXC145	Standard		0.219																		
STD OXC145	Standard		0.211																		
STD OXC145	Standard		0.212																		
STD OXC145	Standard		0.203																		
STD OXC145	Standard		0.203																		
STD OXC145	Standard		0.209																		
STD OXH139	Standard		1.277																		
STD OXH139	Standard		1.237																		

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Project: SPJ
Report Date: February 11, 2020

QUALITY CONTROL REPORT TIM19002832.2

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
Pulp Duplicates																					
3569844	Drill Core	1.46	338	0.4	5.916	9.5	153.5	0.049	2.2	0.8	<0.005	0.7	0.1	8	<1	<0.1	54	0.9	0.7	8.2	0.338
REP 3569844	QC	1.43	327	0.4	5.764	9.4	153.0	0.052	2.2	0.9	<0.005	0.7	0.2	8	<1	<0.1	55	0.8	0.5	8.8	0.332
3569846	Rock Pulp	4.29	718	5.2	1.225	2.1	216.5	0.026	37.9	28.6	<0.005	0.9	0.7	20	<1	0.2	89	0.1	1.1	2.0	0.233
REP 3569846	QC																				
3569864	Drill Core	1.75	75	0.3	6.443	7.7	40.6	0.047	2.6	4.8	<0.005	0.2	0.4	11	2	1.9	74	0.6	0.5	7.5	0.292
REP 3569864	QC																				
3569878	Drill Core	2.18	110	0.2	6.479	8.3	61.0	0.052	2.6	7.8	<0.005	0.4	0.5	12	2	2.4	94	0.7	1.2	10.5	0.296
REP 3569878	QC	2.15	107	0.2	6.237	8.3	55.3	0.050	2.5	7.7	<0.005	0.3	0.4	12	<1	2.3	94	0.7	0.6	10.3	0.287
Core Reject Duplicates																					
3569843	Drill Core	1.73	429	0.9	5.527	8.0	51.5	0.080	3.7	1.0	<0.005	0.9	0.1	8	<1	<0.1	65	0.7	1.0	10.4	0.270
DUP 3569843	QC	1.77	445	1.3	5.499	8.2	53.5	0.085	3.6	1.3	<0.005	0.8	<0.1	9	<1	<0.1	67	0.7	1.2	11.3	0.281
3569877	Drill Core	2.20	91	0.2	6.639	9.6	49.4	0.059	2.5	9.1	<0.005	0.2	0.3	15	2	2.7	84	0.8	0.9	11.3	0.341
DUP 3569877	QC	2.19	90	0.2	6.650	8.7	47.3	0.054	2.4	8.9	<0.005	0.2	0.4	13	<1	2.6	81	0.7	<0.5	10.8	0.315
Reference Materials																					
STD OREAS25A-4A	Standard	0.30	450	2.5	0.115	19.0	44.0	0.045	22.6	52.7	<0.005	<0.1	0.5	12	<1	3.5	44	1.3	<0.5	15.1	0.852
STD OREAS25A-4A	Standard	0.34	481	2.2	0.149	18.4	47.6	0.044	23.4	54.2	<0.005	<0.1	0.6	12	2	3.5	48	1.4	<0.5	14.9	0.889
STD OREAS25A-4A	Standard	0.39	498	2.5	0.150	19.7	47.7	0.049	25.5	62.4	<0.005	<0.1	0.6	14	4	4.0	53	1.5	<0.5	16.6	0.947
STD OREAS45E	Standard	0.14	535	2.1	0.055	6.1	449.5	0.031	17.1	19.7	<0.005	<0.1	1.0	92	2	1.0	16	0.5	<0.5	12.8	0.500
STD OREAS45H	Standard	0.27	402	1.5	0.089	14.3	449.0	0.025	12.1	23.3	<0.005	<0.1	0.6	59	<1	2.0	30	1.0	<0.5	7.9	0.867
STD OREAS45E	Standard	0.18	554	2.4	0.054	6.3	472.2	0.035	18.1	21.3	<0.005	<0.1	1.0	102	3	1.3	17	0.5	<0.5	13.4	0.537
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXH139	Standard																				
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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: February 11, 2020

QUALITY CONTROL REPORT TIM19002832.2

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA550
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
Pulp Duplicates									
3569844	Drill Core	<0.5	6.6	74	10.4	5.9	6	154.0	
REP 3569844	QC	<0.5	6.9	72	10.3	6.6	5	147.9	
3569846	Rock Pulp	<0.5	0.5	123	13.2	10.1	78	49.7	12.1
REP 3569846	QC								I.S.
3569864	Drill Core	<0.5	1.8	82	0.7	16.3	<1	123.9	
REP 3569864	QC								
3569878	Drill Core	<0.5	3.6	86	0.4	21.0	2	122.2	
REP 3569878	QC	<0.5	3.6	85	0.4	21.1	2	125.9	
Core Reject Duplicates									
3569843	Drill Core	<0.5	10.2	82	9.1	11.1	6	160.2	
DUP 3569843	QC	<0.5	10.5	81	9.1	11.6	6	167.8	
3569877	Drill Core	<0.5	3.6	100	0.4	22.2	2	135.0	
DUP 3569877	QC	<0.5	3.5	99	0.4	21.0	1	129.5	
Reference Materials									
STD OREAS25A-4A	Standard	<0.5	2.5	147	1.8	9.2	42	147.4	
STD OREAS25A-4A	Standard	<0.5	2.6	154	1.8	9.7	46	149.1	
STD OREAS25A-4A	Standard	<0.5	2.9	159	2.1	11.7	54	156.2	
STD OREAS45E	Standard	<0.5	2.3	310	1.0	6.7	43	93.3	
STD OREAS45H	Standard	<0.5	1.7	276	0.8	11.0	41	127.5	
STD OREAS45E	Standard	<0.5	2.5	322	1.2	8.4	50	95.3	
STD OXC145	Standard								
STD OXC145	Standard								
STD OXC145	Standard								
STD OXC145	Standard								
STD OXC145	Standard								
STD OXC145	Standard								
STD OXH139	Standard								
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QUALITY CONTROL REPORT TIM19002832.2

		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
STD OXH139	Standard		1.247																		
STD OXH139	Standard		1.251																		
STD OXH139	Standard		1.276																		
STD OXN134	Standard		7.539																		
STD OXN134	Standard		7.633																		
STD OXN134	Standard		7.586																		
STD OXN134	Standard		7.381																		
STD OXN134	Standard		7.360																		
STD OXN134	Standard		7.476																		
STD OXP116	Standard																				
STD OXQ90	Standard																				
STD OXQ90	Standard																				
STD OREAS45H Expected				0.147	7.99	16.9	332	1.09	0.17	0.135		23.6	88	602	767	19.52	3.6	0.1	0.205	12.4	13.1
STD OREAS25A-4A Expected					8.87	9.94	147	0.93	0.37	0.301		47.3	7.7	115	33.9	6.6	4.14	0.09	0.482	21.8	36.7
STD OREAS45E Expected				0.311	6.78	16.3	252		0.28	0.065	0.06	23.5	57	979	780	24.12	3.11	0.099	0.324	11	6.58
STD OXH139 Expected			1.312																		
STD OXC145 Expected			0.212																		
STD OXN134 Expected			7.667																		
STD OXP116 Expected																					
STD OXQ90 Expected																					
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	0.2
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		

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BUREAU VERITAS
MINERAL LABORATORIES
Canada

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: February 11, 2020

QUALITY CONTROL REPORT TIM19002832.2

		MA200 Mg % 0.01	MA200 Mn ppm 1	MA200 Mo ppm 0.1	MA200 Na % 0.001	MA200 Nb ppm 0.1	MA200 Ni ppm 0.1	MA200 P % 0.001	MA200 Pb ppm 0.1	MA200 Rb ppm 0.1	MA200 Re ppm 0.005	MA200 S % 0.1	MA200 Sb ppm 0.1	MA200 Sc ppm 1	MA200 Se ppm 1	MA200 Sn ppm 0.1	MA200 Sr ppm 1	MA200 Ta ppm 0.1	MA200 Te ppm 0.5	MA200 Th ppm 0.1	MA200 Ti % 0.001
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXP116	Standard																				
STD OXQ90	Standard																				
STD OXQ90	Standard																				
STD OREAS45H Expected		0.238	380	1.55	0.09	14.8	423	0.023	11.9	22.5			0.63	57	2.02	1.93	27.1	1.08		7.26	0.878
STD OREAS25A-4A Expected		0.327	480	2.41	0.131	20.9	45.8	0.048	25.2	61		0.047	0.65	13.7	2.4	4.06	48.5	1.4		15.8	0.93
STD OREAS45E Expected		0.156	570	2.4	0.059	6.8	454	0.034	18.2	21.2		0.046	1	93	2.97	1.32	15.9	0.54	0.1	12.9	0.559
STD OXH139 Expected																					
STD OXC145 Expected																					
STD OXN134 Expected																					
STD OXP116 Expected																					
STD OXQ90 Expected																					
BLK	Blank	<0.01	<1	<0.1	0.005	<0.1	0.2	<0.001	<0.1	0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.003	<0.1	0.3	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	2	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.002	<0.1	0.2	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	2	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: February 11, 2020

QUALITY CONTROL REPORT TIM19002832.2

		MA200 Tl ppm 0.5	MA200 U ppm 0.1	MA200 V ppm 1	MA200 W ppm 0.1	MA200 Y ppm 0.1	MA200 Zn ppm 1	MA200 Zr ppm 0.1	FA550 Au gm/t 0.9
STD OXH139	Standard								
STD OXH139	Standard								
STD OXH139	Standard								
STD OXN134	Standard								
STD OXN134	Standard								
STD OXN134	Standard								
STD OXN134	Standard								
STD OXN134	Standard								
STD OXN134	Standard								
STD OXP116	Standard								14.8
STD OXQ90	Standard								23.3
STD OXQ90	Standard								23.9
STD OREAS45H Expected			1.68	263	0.99	10.4	39.7	131	
STD OREAS25A-4A Expected		0.35	2.94	157	2	10.5	44.4	155	
STD OREAS45E Expected		0.15	2.41	322	1.07	8.28	46.7	97	
STD OXH139 Expected									
STD OXC145 Expected									
STD OXN134 Expected									
STD OXP116 Expected									14.92
STD OXQ90 Expected									24.88
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1	
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1	
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1	
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: February 11, 2020

QUALITY CONTROL REPORT TIM19002832.2

		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank																				
Prep Wash																					
ROCK-TIM	Prep Blank		<0.005	<0.1	6.51	2	792	2	<0.1	1.57	<0.1	29	4.4	3	4.4	2.11	1.8	<0.05	1.52	14.0	2.2
ROCK-TIM	Prep Blank		<0.005	<0.1	6.70	2	771	<1	0.2	1.58	<0.1	25	4.1	3	3.6	2.10	1.7	<0.05	1.54	11.8	2.2

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: February 11, 2020

QUALITY CONTROL REPORT TIM19002832.2

		MA200 Mg % 0.01	MA200 Mn ppm 1	MA200 Mo ppm 0.1	MA200 Na % 0.001	MA200 Nb ppm 0.1	MA200 Ni ppm 0.1	MA200 P % 0.001	MA200 Pb ppm 0.1	MA200 Rb ppm 0.1	MA200 Re ppm 0.005	MA200 S % 0.1	MA200 Sb ppm 0.1	MA200 Sc ppm 1	MA200 Se ppm 1	MA200 Sn ppm 0.1	MA200 Sr ppm 1	MA200 Ta ppm 0.1	MA200 Te ppm 0.5	MA200 Th ppm 0.1	MA200 Ti % 0.001
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-TIM	Prep Blank	0.59	643	0.8	3.399	6.1	1.6	0.040	2.4	30.4	<0.005	<0.1	<0.1	8	<1	0.9	215	0.4	<0.5	4.2	0.205
ROCK-TIM	Prep Blank	0.59	636	0.6	3.476	5.7	1.7	0.043	2.4	29.2	<0.005	<0.1	<0.1	7	<1	0.7	214	0.4	<0.5	3.3	0.198

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: February 11, 2020

QUALITY CONTROL REPORT TIM19002832.2

		MA200 Tl ppm 0.5	MA200 U ppm 0.1	MA200 V ppm 1	MA200 W ppm 0.1	MA200 Y ppm 0.1	MA200 Zn ppm 1	MA200 Zr ppm 0.1	FA550 Au gm/t 0.9
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								<0.9
Prep Wash									
ROCK-TIM	Prep Blank	<0.5	1.2	37	0.4	16.7	37	52.6	
ROCK-TIM	Prep Blank	<0.5	1.2	36	0.2	16.6	36	50.2	

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By:	Quentin Yarie
Receiving Lab:	Canada-Timmins
Received:	January 24, 2020
Analysis Start:	January 29, 2020
Report Date:	February 05, 2020
Page:	1 of 2

CERTIFICATE OF ANALYSIS TIM19002832M.1

CLIENT JOB INFORMATION

Project:	SPJ
Shipment ID:	
P.O. Number	
Number of Samples:	1

SAMPLE DISPOSAL

RTRN-PLP	Return After 90 days
RTRN-RJT	Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PUL85	1	Pulverize to 85% passing 200 mesh			TIM
SPTRF	1	Split samples by riffle splitter			TIM
FS652	1	Metallic Sieve 1 kg to 150 mesh - save + and - fraction			TIM
FS652	1	Metallic Fire Assay - duplicate minus fraction analysis	50	Completed	TIM

ADDITIONAL COMMENTS

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC:

MAY LAI
Data Validation Specialist

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All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: February 05, 2020

CERTIFICATE OF ANALYSIS TIM19002832M.1

	Method	M150 1kg	FA450	FA450	FS652	FS652	FS652
	Analyte	TotWt	-Au	-Au + Au Wt		+ Au	Au Total
	Unit	g	gm/t	gm/t	g	gm/t	gm/t
	MDL	1	0.005	0.005	0.01	0.05	0.05
3569845	Drill Core	958	8.184	8.010	45.83	23.43	8.83

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: February 05, 2020

QUALITY CONTROL REPORT TIM19002832M.1

	Method	M150 1kg	FA450	FA450	FS652	FS652	FS652
	Analyte	TotWt	-Au	-Au	+ Au Wt	+ Au	Au Total
	Unit	g	gm/t	gm/t	g	gm/t	gm/t
	MDL	1	0.005	0.005	0.01	0.05	0.05
Reference Materials							
STD OXC145	Standard			0.209			
STD OXC145	Standard		0.210				
STD OXH139	Standard		1.293				
STD OXH139	Standard			1.279			
STD OXH139	Standard		1.318				
STD OXN134	Standard		7.439				
STD OXN134	Standard			7.600			
STD OXN134	Standard		7.724				
STD OXQ90	Standard				51.10	25.32	
STD OXQ90 Expected						24.88	
BLK	Blank		<0.005				
BLK	Blank		<0.005				
BLK	Blank				50.00	<0.05	
BLK	Blank			<0.005			
BLK	Blank			0.008			
BLK	Blank		<0.005				
BLK	Blank		<0.005				
Prep Wash							
ROCK-TIM	Prep Blank	971	<0.005	<0.005	38.78	<0.05	<0.05

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By:	Quentin Yarie
Receiving Lab:	Canada-Timmins
Received:	December 12, 2019
Analysis Start:	January 07, 2020
Report Date:	January 29, 2020
Page:	1 of 4

CERTIFICATE OF ANALYSIS TIM19002877.1

CLIENT JOB INFORMATION

Project:	SPJ
Shipment ID:	
P.O. Number	
Number of Samples:	80

SAMPLE DISPOSAL

RTRN-PLP	Return After 90 days
RTRN-RJT	Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP85-500	76	Crush split and pulverize 250g of sample to 200mesh			TIM
SHP01	80	Per sample shipping charges for branch shipments			TIM
SLBHP	4	Sort, label and box pulps			TIM
FA450	80	50g Lead Collection Fire Assay Fusion - AAS Finish	50	Completed	TIM
EN002	80	Environmental disposal charge-Fire assay lead waste			TIM
MA200	80	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
EN001-MA	80	Environmental disposal fee - Multi-acid neutralization			VAN
FA550	1	Lead collection fire assay 50G fusion - Grav finish	50	Completed	TIM

ADDITIONAL COMMENTS

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC:

MAY LAI
Data Validation Specialist

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

CERTIFICATE OF ANALYSIS TIM19002877.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3569907	Drill Core	3.56	<0.005	<0.1	6.98	2	125	1	0.1	3.29	<0.1	123	32.9	76	132.8	3.12	3.5	<0.05	0.44	66.8	6.8
3569908	Rock Pulp	0.07	>10	1.9	5.30	44	222	<1	0.7	3.80	0.2	11	32.7	455	114.4	4.46	1.4	<0.05	0.73	6.4	29.3
3569909	Drill Core	5.63	<0.005	<0.1	6.77	3	161	3	0.2	3.11	<0.1	95	23.3	64	63.2	2.71	3.1	<0.05	0.49	54.3	7.1
3569910	Drill Core	3.96	<0.005	<0.1	7.08	2	152	3	0.1	4.21	<0.1	90	20.8	79	59.7	2.29	3.6	<0.05	0.56	41.7	7.3
3569911	Drill Core	3.84	<0.005	<0.1	6.99	2	128	3	<0.1	3.06	<0.1	92	14.6	74	55.8	2.13	4.0	<0.05	0.46	38.3	6.0
3569912	Drill Core	4.45	<0.005	<0.1	7.08	1	94	2	0.1	3.28	<0.1	68	16.4	72	39.2	1.87	4.0	0.06	0.25	27.3	4.2
3569913	Drill Core	4.78	<0.005	<0.1	7.41	3	148	2	0.2	2.90	<0.1	63	16.9	71	24.0	2.13	3.9	<0.05	0.53	26.0	6.8
3569914	Drill Core	4.36	<0.005	<0.1	7.31	1	141	2	0.2	3.25	<0.1	63	15.1	73	34.3	2.18	3.8	<0.05	0.38	27.7	5.2
3569915	Drill Core	5.20	<0.005	<0.1	7.22	<1	119	2	<0.1	3.28	0.1	56	9.4	66	24.9	1.73	3.7	<0.05	0.28	21.9	3.6
3569916	Drill Core	4.28	<0.005	<0.1	7.16	<1	147	3	<0.1	2.22	<0.1	44	13.6	80	30.8	2.03	3.8	<0.05	0.41	15.2	5.7
3569917	Drill Core	4.43	<0.005	<0.1	7.43	2	99	2	0.1	3.36	<0.1	59	12.3	70	23.8	1.84	3.4	<0.05	0.21	23.0	3.7
3569918	Drill Core	3.42	<0.005	<0.1	6.64	3	116	3	<0.1	4.71	<0.1	144	10.7	72	12.3	2.40	3.3	0.08	0.36	72.4	5.3
3569919	Drill Core	7.57	<0.005	<0.1	7.01	1	112	1	<0.1	2.24	<0.1	52	6.7	69	11.7	1.46	3.8	<0.05	0.24	19.0	4.8
3569920	Rock Pulp	0.07	0.507	0.1	6.97	4	142	<1	<0.1	6.46	<0.1	10	42.7	159	148.0	7.48	1.6	0.12	0.17	3.9	10.7
3569921	Drill Core	5.62	<0.005	<0.1	7.12	3	125	2	<0.1	2.07	<0.1	46	11.2	70	13.6	1.78	3.5	<0.05	0.27	15.6	4.3
3569922	Drill Core	4.63	<0.005	<0.1	6.47	2	85	2	<0.1	2.57	<0.1	50	17.3	65	41.5	1.77	3.2	<0.05	0.15	17.0	3.8
3569923	Drill Core	5.27	<0.005	<0.1	6.54	3	97	2	0.1	3.76	<0.1	68	18.1	60	36.0	1.79	3.1	<0.05	0.19	28.4	3.1
3569924	Drill Core	5.68	<0.005	<0.1	7.68	2	99	2	0.1	3.28	<0.1	71	10.5	81	17.8	1.70	3.8	<0.05	0.24	27.9	3.2
3569925	Silica	0.21	<0.005	<0.1	5.08	<1	8	<1	<0.1	0.12	<0.1	<1	<0.2	2	2.9	0.10	0.1	<0.05	3.01	0.1	19.5
3569926	Drill Core	5.06	<0.005	<0.1	6.40	1	125	2	0.1	3.54	<0.1	95	11.1	58	18.6	1.39	3.0	<0.05	0.35	36.4	4.1
3569927	Drill Core	4.22	<0.005	<0.1	5.31	4	229	2	<0.1	0.55	<0.1	18	10.4	61	12.1	1.60	2.7	<0.05	0.80	7.0	7.6
3569928	Drill Core	4.61	<0.005	<0.1	7.12	<1	219	2	<0.1	1.60	<0.1	33	10.8	63	15.4	1.69	3.5	<0.05	0.73	12.0	7.3
3569929	Drill Core	4.00	<0.005	<0.1	6.23	8	153	2	0.1	1.96	<0.1	43	21.4	41	30.3	1.53	2.3	<0.05	0.35	17.7	4.1
3569930	Drill Core	3.77	<0.005	<0.1	6.72	6	215	3	<0.1	0.64	<0.1	36	12.1	68	9.4	1.94	3.6	<0.05	0.72	15.9	11.0
3569931	Drill Core	3.63	<0.005	<0.1	5.91	<1	185	1	<0.1	1.12	<0.1	26	7.7	35	11.8	1.16	2.2	<0.05	0.42	11.3	4.7
3569932	Drill Core	5.11	<0.005	<0.1	6.65	1	206	2	<0.1	1.57	<0.1	33	10.7	46	16.7	1.52	2.6	<0.05	0.61	12.2	7.3
3572046	Drill Core	4.19	<0.005	<0.1	4.77	7	138	2	<0.1	0.49	<0.1	21	3.1	22	12.9	0.65	1.6	<0.05	0.38	8.3	4.0
3572047	Drill Core	3.95	<0.005	<0.1	5.62	5	196	2	<0.1	0.55	<0.1	27	3.2	40	9.9	0.86	2.6	<0.05	0.54	11.8	6.3
3572048	Drill Core	3.84	<0.005	<0.1	6.34	16	156	1	<0.1	2.05	<0.1	45	4.6	40	19.6	0.80	3.2	<0.05	0.44	21.9	5.2
3572049	Drill Core	2.40	<0.005	<0.1	6.41	10	204	2	<0.1	1.88	<0.1	43	6.0	58	19.1	1.01	4.3	<0.05	0.61	17.0	7.1

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

CERTIFICATE OF ANALYSIS TIM19002877.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3569907	Drill Core	2.19	87	0.6	5.003	7.5	112.4	0.083	4.0	28.5	<0.005	0.7	0.3	11	6	1.9	84	0.6	1.2	8.7	0.287
3569908	Rock Pulp	4.23	746	5.6	1.191	1.9	228.8	0.028	36.8	27.5	<0.005	0.9	0.7	20	1	0.4	91	0.1	2.0	1.8	0.255
3569909	Drill Core	2.11	85	0.2	4.842	6.8	76.2	0.054	3.2	31.6	<0.005	0.6	0.3	10	4	1.9	88	0.6	0.6	7.3	0.255
3569910	Drill Core	2.03	98	0.4	5.140	7.8	59.4	0.073	3.6	38.2	<0.005	0.4	0.4	15	5	2.6	94	0.7	1.3	10.3	0.299
3569911	Drill Core	2.19	75	0.2	5.217	8.3	49.0	0.085	3.1	28.3	<0.005	0.3	0.3	13	2	3.0	83	0.7	0.8	10.7	0.307
3569912	Drill Core	1.95	80	0.3	5.581	8.1	52.1	0.064	3.4	13.0	<0.005	0.3	0.5	12	1	2.6	84	0.7	0.6	9.1	0.307
3569913	Drill Core	2.43	86	0.3	5.648	9.2	48.3	0.052	3.3	28.3	<0.005	0.3	0.5	13	3	2.5	81	0.8	0.7	11.7	0.320
3569914	Drill Core	2.33	90	<0.1	5.534	8.7	57.2	0.048	3.2	22.6	<0.005	0.3	0.5	13	2	2.4	96	0.7	0.8	10.2	0.301
3569915	Drill Core	2.05	79	0.1	5.814	7.7	36.9	0.052	2.8	13.6	<0.005	0.2	0.4	12	1	2.5	94	0.7	0.6	8.6	0.299
3569916	Drill Core	2.23	69	<0.1	6.079	9.7	56.5	0.049	3.4	13.3	<0.005	0.2	0.4	15	2	2.6	73	0.8	1.3	10.0	0.359
3569917	Drill Core	2.12	84	<0.1	5.809	7.7	44.6	0.050	2.7	11.4	<0.005	0.2	0.5	13	2	2.7	92	0.7	0.9	8.8	0.304
3569918	Drill Core	3.29	120	<0.1	4.895	6.2	33.3	0.055	2.5	23.6	<0.005	0.1	0.3	13	1	3.1	93	0.6	2.0	7.5	0.280
3569919	Drill Core	1.79	63	0.4	6.214	9.1	33.5	0.059	2.8	6.5	<0.005	0.1	0.4	12	<1	3.6	73	0.8	0.6	9.2	0.347
3569920	Rock Pulp	4.14	1357	0.5	2.091	3.3	92.7	0.036	2.7	3.5	<0.005	0.1	0.4	44	2	0.5	112	0.2	1.7	0.3	0.652
3569921	Drill Core	2.32	68	0.2	6.143	8.6	41.7	0.053	3.1	7.2	<0.005	0.1	0.6	12	1	2.9	75	0.7	0.8	8.1	0.319
3569922	Drill Core	1.84	78	0.4	5.486	7.1	61.6	0.067	3.0	5.5	<0.005	0.3	0.3	10	2	3.2	78	0.6	0.6	6.5	0.269
3569923	Drill Core	1.89	96	0.3	5.092	7.1	61.4	0.050	2.9	12.8	<0.005	0.3	0.5	10	2	2.3	100	0.5	<0.5	7.3	0.256
3569924	Drill Core	2.24	82	<0.1	6.143	8.6	43.0	0.047	3.1	10.5	<0.005	0.1	0.5	16	2	3.5	100	0.7	<0.5	11.0	0.335
3569925	Silica	<0.01	18	<0.1	7.896	<0.1	0.4	<0.001	2.7	36.3	<0.005	<0.1	<0.1	<1	2	0.1	12	<0.1	<0.5	<0.1	<0.001
3569926	Drill Core	1.41	81	0.3	5.376	7.1	40.6	0.044	2.8	16.7	<0.005	0.2	0.3	13	2	2.1	87	0.6	1.3	7.1	0.265
3569927	Drill Core	1.48	34	0.2	5.514	6.6	29.8	0.036	2.0	23.5	<0.005	<0.1	0.3	9	2	1.2	43	0.6	0.8	5.0	0.253
3569928	Drill Core	1.89	50	0.5	6.204	8.0	31.7	0.051	2.4	51.7	<0.005	0.1	0.4	11	<1	2.6	71	0.6	<0.5	9.9	0.278
3569929	Drill Core	1.49	51	0.2	5.522	5.0	51.3	0.043	2.8	20.0	<0.005	0.3	0.3	6	<1	1.4	75	0.4	0.7	5.9	0.182
3569930	Drill Core	2.33	40	0.5	6.497	8.5	29.3	0.051	2.8	29.2	0.008	<0.1	0.3	12	<1	1.6	51	0.7	0.5	7.9	0.278
3569931	Drill Core	1.21	42	0.3	5.690	4.4	25.9	0.038	4.0	19.2	<0.005	<0.1	0.4	6	<1	0.8	80	0.4	<0.5	4.9	0.158
3569932	Drill Core	1.78	57	0.2	5.626	5.7	35.6	0.049	15.7	39.8	<0.005	0.2	0.4	10	<1	1.9	78	0.5	<0.5	8.0	0.218
3572046	Drill Core	0.88	74	0.1	5.436	0.9	17.7	0.026	1.4	5.9	0.006	<0.1	0.1	3	<1	0.2	69	<0.1	<0.5	2.7	0.049
3572047	Drill Core	1.43	66	0.3	5.440	1.8	24.9	0.055	1.4	16.4	<0.005	<0.1	0.1	6	<1	0.2	75	0.2	<0.5	5.6	0.088
3572048	Drill Core	1.74	146	0.2	5.365	1.8	29.8	0.065	1.8	19.4	<0.005	<0.1	0.3	7	<1	0.4	120	0.2	<0.5	7.3	0.082
3572049	Drill Core	1.80	102	0.1	5.189	2.6	34.9	0.088	2.2	31.6	<0.005	0.1	0.3	9	<1	0.5	133	0.3	1.1	8.8	0.131

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

CERTIFICATE OF ANALYSIS TIM19002877.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA550
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3569907	Drill Core	<0.5	3.2	104	0.7	20.1	3	114.2	
3569908	Rock Pulp	<0.5	0.5	136	12.3	10.1	82	46.4	12.1
3569909	Drill Core	<0.5	2.6	90	0.5	18.2	4	105.7	
3569910	Drill Core	<0.5	4.2	111	0.6	23.6	3	120.2	
3569911	Drill Core	<0.5	4.0	99	0.5	23.5	3	126.3	
3569912	Drill Core	<0.5	3.9	97	0.7	21.1	2	134.0	
3569913	Drill Core	<0.5	3.8	93	0.4	19.6	2	125.0	
3569914	Drill Core	<0.5	3.7	104	0.4	21.9	3	123.2	
3569915	Drill Core	<0.5	3.2	90	0.3	18.7	2	115.2	
3569916	Drill Core	<0.5	2.7	105	0.5	18.0	3	125.4	
3569917	Drill Core	<0.5	3.5	92	0.5	18.2	3	112.4	
3569918	Drill Core	<0.5	3.3	126	0.9	21.7	3	114.4	
3569919	Drill Core	<0.5	2.4	90	0.5	19.4	3	124.1	
3569920	Rock Pulp	<0.5	<0.1	303	1.2	22.3	81	50.9	
3569921	Drill Core	<0.5	2.7	90	0.3	18.3	2	127.4	
3569922	Drill Core	<0.5	2.0	76	0.4	20.2	4	109.8	
3569923	Drill Core	<0.5	4.0	86	0.3	21.4	3	121.1	
3569924	Drill Core	<0.5	4.0	109	0.4	21.4	3	127.2	
3569925	Silica	0.7	<0.1	<1	<0.1	0.5	3	7.2	
3569926	Drill Core	<0.5	1.8	90	0.4	19.6	3	109.1	
3569927	Drill Core	<0.5	1.2	80	0.2	7.1	3	93.7	
3569928	Drill Core	<0.5	3.3	125	0.4	17.6	<1	120.9	
3569929	Drill Core	<0.5	1.9	46	0.4	13.2	2	83.0	
3569930	Drill Core	<0.5	1.9	112	0.3	13.2	3	127.4	
3569931	Drill Core	<0.5	1.3	41	0.2	8.9	9	80.2	
3569932	Drill Core	<0.5	2.2	77	0.3	14.0	25	89.9	
3572046	Drill Core	<0.5	0.6	26	0.4	3.8	3	53.0	
3572047	Drill Core	<0.5	1.2	46	0.5	6.2	2	93.2	
3572048	Drill Core	<0.5	2.7	45	0.9	11.2	5	112.5	
3572049	Drill Core	<0.5	2.2	60	0.8	10.9	5	145.7	

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

CERTIFICATE OF ANALYSIS TIM19002877.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3572050	Silica	0.19	<0.005	<0.1	8.37	<1	17	<1	<0.1	0.16	<0.1	1	<0.2	2	4.5	0.12	0.2	<0.05	4.38	0.5	23.0
3572051	Drill Core	2.28	<0.005	<0.1	6.66	6	185	2	<0.1	1.63	<0.1	43	3.5	43	12.7	0.84	2.8	<0.05	0.53	17.5	6.3
3572052	Drill Core	4.49	<0.005	<0.1	6.51	33	196	3	<0.1	1.14	<0.1	61	4.3	52	9.5	0.98	2.7	<0.05	0.43	26.3	6.4
3572053	Drill Core	4.56	<0.005	<0.1	6.29	19	245	2	<0.1	1.12	<0.1	48	4.6	46	7.0	1.17	2.8	<0.05	0.69	21.1	8.3
3572054	Drill Core	6.01	<0.005	<0.1	6.40	20	285	3	<0.1	0.91	<0.1	53	13.2	48	15.1	1.29	2.6	<0.05	0.82	24.0	8.1
3572055	Drill Core	6.09	<0.005	<0.1	6.42	9	172	2	<0.1	1.32	<0.1	66	4.6	47	7.7	0.80	3.3	<0.05	0.43	30.9	6.3
3572056	Drill Core	5.27	<0.005	<0.1	5.48	10	215	2	<0.1	0.64	<0.1	23	5.5	37	6.8	0.75	2.3	<0.05	0.37	10.3	5.0
3572057	Drill Core	5.31	<0.005	<0.1	5.83	10	254	1	<0.1	0.36	<0.1	14	5.6	59	3.9	0.87	3.8	<0.05	0.49	6.1	7.4
3572058	Drill Core	4.34	<0.005	<0.1	5.74	2	279	<1	<0.1	0.23	<0.1	16	4.1	30	1.5	0.75	1.8	<0.05	0.45	7.0	6.1
3572059	Drill Core	5.19	<0.005	<0.1	5.18	5	297	1	<0.1	0.51	<0.1	58	3.3	19	8.0	0.62	1.5	<0.05	0.32	27.2	3.9
3572060	Rock Pulp	0.06	0.502	0.2	7.28	5	152	<1	<0.1	6.78	<0.1	11	45.7	164	152.4	8.02	1.6	<0.05	0.18	4.2	10.1
3572061	Drill Core	5.09	<0.005	<0.1	4.77	6	259	<1	<0.1	0.31	<0.1	10	2.7	21	5.5	0.69	1.3	<0.05	0.32	4.4	5.1
3572062	Drill Core	3.34	<0.005	<0.1	5.78	9	268	1	<0.1	0.83	<0.1	42	3.2	22	7.0	0.70	1.3	<0.05	0.37	19.2	4.4
3572063	Drill Core	3.66	<0.005	<0.1	4.77	8	221	1	<0.1	0.48	<0.1	14	3.6	25	11.3	0.76	1.3	<0.05	0.37	6.2	5.3
3572064	Drill Core	5.02	<0.005	<0.1	6.48	8	146	3	<0.1	1.30	<0.1	31	1.8	28	4.5	0.61	1.8	<0.05	0.33	12.3	3.7
3572065	Drill Core	4.80	<0.005	<0.1	6.07	7	147	<1	<0.1	1.11	<0.1	22	1.7	36	4.9	0.59	2.4	<0.05	0.31	9.2	3.5
3572066	Drill Core	4.86	<0.005	<0.1	6.13	6	136	2	<0.1	2.48	<0.1	21	2.0	26	4.2	0.81	2.1	<0.05	0.28	7.5	2.9
3572067	Drill Core	4.63	<0.005	<0.1	5.13	8	159	1	<0.1	0.67	<0.1	25	2.3	20	7.9	0.56	1.1	<0.05	0.35	10.4	4.5
3572068	Drill Core	4.13	<0.005	<0.1	5.93	3	139	1	<0.1	1.39	<0.1	14	1.1	30	4.2	0.51	2.2	<0.05	0.28	5.4	2.1
3572069	Drill Core	7.55	<0.005	<0.1	5.83	6	277	2	<0.1	0.62	<0.1	22	3.8	34	7.9	0.78	2.3	<0.05	0.49	9.9	6.0
3572070	Drill Core	5.09	<0.005	<0.1	4.48	3	401	1	<0.1	0.40	<0.1	19	3.4	26	4.1	0.82	1.4	<0.05	0.40	8.2	5.8
3572071	Drill Core	4.68	<0.005	<0.1	5.61	5	259	1	<0.1	0.61	<0.1	22	3.9	23	6.5	0.67	1.2	<0.05	0.36	9.9	5.1
3572072	Drill Core	6.17	<0.005	<0.1	5.09	7	236	2	<0.1	0.35	<0.1	10	4.2	30	5.3	0.86	1.8	<0.05	0.40	4.8	6.0
3572073	Drill Core	5.36	<0.005	<0.1	5.57	13	256	2	<0.1	0.37	<0.1	13	4.9	36	6.3	0.83	2.1	<0.05	0.53	5.4	7.9
3572074	Drill Core	4.43	<0.005	<0.1	7.67	22	227	3	<0.1	2.61	<0.1	72	3.5	58	11.3	0.89	3.1	<0.05	0.24	31.1	6.9
3572075	Silica	0.20	<0.005	<0.1	9.12	<1	18	<1	<0.1	0.16	<0.1	2	<0.2	2	1.6	0.20	0.3	<0.05	4.44	0.6	22.3
3572076	Drill Core	4.25	<0.005	<0.1	5.86	11	98	2	<0.1	1.73	<0.1	23	1.4	32	3.0	0.51	2.2	<0.05	0.18	10.1	2.3
3572077	Drill Core	4.64	<0.005	<0.1	7.60	13	179	2	<0.1	1.28	<0.1	29	2.5	22	10.0	0.69	1.7	<0.05	0.39	13.4	3.6
3572078	Drill Core	5.01	<0.005	<0.1	8.54	15	203	3	<0.1	1.49	<0.1	25	3.3	35	6.1	0.73	2.3	<0.05	0.38	10.3	4.9
3572079	Drill Core	3.95	<0.005	<0.1	8.35	17	249	2	<0.1	1.17	<0.1	58	3.9	45	4.5	1.17	2.9	<0.05	0.66	28.8	7.1

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

CERTIFICATE OF ANALYSIS TIM19002877.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3572050	Silica	0.03	28	<0.1	8.879	0.2	0.5	<0.001	5.6	60.8	<0.005	<0.1	0.1	<1	<1	<0.1	28	<0.1	<0.5	0.2	<0.001
3572051	Drill Core	1.93	109	0.3	5.529	2.2	29.2	0.080	1.5	26.6	<0.005	<0.1	0.2	9	<1	0.3	126	0.2	0.9	7.3	0.107
3572052	Drill Core	1.66	132	0.7	6.217	1.7	46.9	0.085	1.6	9.0	<0.005	<0.1	0.2	9	<1	0.1	87	0.2	<0.5	7.0	0.080
3572053	Drill Core	1.72	142	0.4	5.130	1.6	38.1	0.073	1.3	40.4	<0.005	<0.1	0.1	8	<1	0.4	106	0.2	<0.5	7.2	0.097
3572054	Drill Core	1.85	124	0.3	5.133	2.0	53.7	0.056	2.1	51.3	<0.005	<0.1	0.2	8	<1	0.3	106	0.2	0.6	6.7	0.114
3572055	Drill Core	1.86	104	0.2	5.450	1.3	27.1	0.073	1.8	25.3	<0.005	<0.1	0.2	8	<1	0.1	133	0.1	0.5	7.6	0.077
3572056	Drill Core	1.40	43	0.2	5.406	1.3	20.4	0.051	2.6	8.8	<0.005	<0.1	0.2	6	<1	0.2	100	0.2	<0.5	3.9	0.069
3572057	Drill Core	1.79	31	<0.1	5.871	1.4	24.1	0.068	2.0	18.3	<0.005	<0.1	0.1	10	<1	0.1	108	0.1	<0.5	6.1	0.079
3572058	Drill Core	1.62	24	0.2	5.321	0.9	19.8	0.038	1.5	20.9	<0.005	<0.1	0.1	6	<1	<0.1	143	<0.1	<0.5	4.0	0.059
3572059	Drill Core	0.99	48	0.2	5.220	0.8	14.4	0.027	2.6	7.0	<0.005	<0.1	0.3	4	<1	<0.1	120	<0.1	<0.5	3.0	0.045
3572060	Rock Pulp	4.27	1399	0.7	2.402	3.5	90.8	0.042	3.1	3.9	<0.005	0.1	0.5	45	<1	0.6	116	0.2	1.7	0.5	0.668
3572061	Drill Core	0.99	35	0.2	5.619	1.2	13.5	0.022	2.1	5.1	<0.005	<0.1	0.2	5	<1	0.2	94	0.1	<0.5	2.2	0.061
3572062	Drill Core	1.05	70	0.2	5.448	0.9	13.2	0.027	2.3	7.7	<0.005	<0.1	0.2	4	<1	0.1	125	<0.1	<0.5	3.0	0.044
3572063	Drill Core	1.16	57	0.2	5.439	0.8	19.2	0.026	1.6	5.3	<0.005	<0.1	0.2	4	<1	0.1	81	<0.1	<0.5	2.3	0.047
3572064	Drill Core	1.27	140	0.5	6.207	1.0	14.3	0.034	1.3	11.5	<0.005	<0.1	0.1	6	<1	<0.1	79	0.1	<0.5	4.4	0.051
3572065	Drill Core	1.07	117	4.5	6.376	1.3	13.0	0.039	1.2	5.8	<0.005	<0.1	0.1	5	<1	0.1	74	0.1	<0.5	4.0	0.054
3572066	Drill Core	1.64	275	0.7	5.324	1.2	11.5	0.042	1.5	8.6	<0.005	<0.1	0.1	11	<1	0.2	94	0.1	0.7	4.2	0.048
3572067	Drill Core	1.03	70	0.5	5.251	0.7	17.2	0.023	1.8	7.7	<0.005	<0.1	0.1	3	<1	0.2	81	<0.1	<0.5	1.9	0.042
3572068	Drill Core	0.98	141	1.1	6.273	1.1	10.7	0.049	1.4	4.2	<0.005	<0.1	0.1	5	<1	0.1	76	0.1	<0.5	3.9	0.044
3572069	Drill Core	1.36	59	0.2	5.612	1.3	21.8	0.042	1.7	16.5	<0.005	<0.1	0.2	6	<1	0.3	108	0.1	<0.5	4.2	0.071
3572070	Drill Core	1.10	51	0.2	5.189	1.2	15.6	0.030	1.2	7.1	<0.005	<0.1	0.2	4	<1	0.2	71	0.1	<0.5	2.7	0.061
3572071	Drill Core	1.11	53	0.2	5.085	0.8	15.2	0.028	1.8	12.6	<0.005	<0.1	0.1	4	<1	0.2	127	<0.1	<0.5	2.9	0.049
3572072	Drill Core	1.34	44	0.2	5.276	1.1	21.0	0.035	1.4	11.5	<0.005	<0.1	0.2	6	<1	<0.1	83	0.1	<0.5	3.7	0.065
3572073	Drill Core	1.45	45	0.4	5.944	1.1	26.2	0.048	1.3	14.8	<0.005	<0.1	0.2	7	<1	<0.1	86	0.1	<0.5	4.3	0.064
3572074	Drill Core	2.31	246	4.2	7.288	2.6	29.9	0.051	1.9	3.1	<0.005	<0.1	0.3	14	<1	0.3	104	0.2	1.0	8.1	0.103
3572075	Silica	0.03	38	0.2	9.075	<0.1	0.6	<0.001	5.1	60.2	<0.005	<0.1	0.1	<1	<1	<0.1	30	<0.1	<0.5	0.2	<0.001
3572076	Drill Core	1.10	112	1.1	5.697	1.1	10.0	0.040	2.0	3.1	<0.005	<0.1	0.1	6	<1	0.2	70	0.1	<0.5	5.3	0.047
3572077	Drill Core	1.22	101	1.8	5.248	1.0	18.9	0.026	1.7	11.9	<0.005	<0.1	0.2	5	<1	0.3	95	0.1	0.7	2.6	0.054
3572078	Drill Core	1.30	143	0.7	5.559	1.3	20.0	0.045	1.9	7.9	<0.005	<0.1	0.2	7	<1	0.3	103	0.1	<0.5	4.7	0.066
3572079	Drill Core	1.74	127	0.7	5.932	2.1	31.5	0.053	1.2	53.4	<0.005	<0.1	0.1	10	<1	0.4	111	0.3	<0.5	9.5	0.108

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

CERTIFICATE OF ANALYSIS TIM19002877.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA550
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3572050	Silica	0.7	0.1	<1	<0.1	1.3	6	10.9	
3572051	Drill Core	<0.5	1.6	50	0.8	10.2	12	104.3	
3572052	Drill Core	<0.5	1.5	62	0.6	8.8	4	97.6	
3572053	Drill Core	<0.5	1.8	54	0.5	9.8	4	105.4	
3572054	Drill Core	<0.5	1.7	58	0.7	9.4	4	94.6	
3572055	Drill Core	<0.5	1.6	43	0.4	11.8	4	123.1	
3572056	Drill Core	<0.5	0.8	38	0.3	5.4	3	84.8	
3572057	Drill Core	<0.5	0.8	53	0.2	5.6	3	126.9	
3572058	Drill Core	<0.5	0.8	36	0.1	4.4	3	63.3	
3572059	Drill Core	<0.5	0.5	24	0.2	4.5	3	53.4	
3572060	Rock Pulp	<0.5	0.1	312	1.2	21.0	81	51.5	
3572061	Drill Core	<0.5	0.4	32	0.2	2.8	4	42.1	
3572062	Drill Core	<0.5	0.6	29	0.2	4.4	4	42.7	
3572063	Drill Core	<0.5	0.5	34	0.2	3.3	4	47.4	
3572064	Drill Core	<0.5	1.4	36	0.5	7.0	2	64.5	
3572065	Drill Core	<0.5	1.1	30	0.6	5.7	2	85.3	
3572066	Drill Core	<0.5	1.4	29	1.0	12.8	3	68.0	
3572067	Drill Core	<0.5	0.5	28	0.4	4.3	2	40.9	
3572068	Drill Core	<0.5	0.9	24	0.6	5.8	2	81.2	
3572069	Drill Core	<0.5	0.8	39	0.3	5.4	4	84.0	
3572070	Drill Core	<0.5	0.4	30	0.2	2.9	4	51.3	
3572071	Drill Core	<0.5	0.6	28	0.2	4.4	4	39.9	
3572072	Drill Core	<0.5	0.5	41	0.1	3.4	4	61.2	
3572073	Drill Core	<0.5	0.6	49	0.2	4.0	5	79.7	
3572074	Drill Core	<0.5	1.7	99	1.2	17.8	4	110.4	
3572075	Silica	0.6	0.1	<1	<0.1	1.5	4	15.0	
3572076	Drill Core	<0.5	1.4	42	0.5	10.9	2	79.3	
3572077	Drill Core	<0.5	1.0	28	0.3	6.0	3	60.9	
3572078	Drill Core	<0.5	1.9	45	0.4	8.2	3	84.8	
3572079	Drill Core	<0.5	2.6	60	1.5	16.3	12	105.2	

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

CERTIFICATE OF ANALYSIS TIM19002877.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3572080	Rock Pulp	0.06	5.367	0.9	6.16	22	203	<1	0.3	5.14	0.2	11	38.7	259	119.6	6.85	1.5	<0.05	0.45	5.0	17.6
3572081	Drill Core	4.01	1.422	<0.1	7.87	4	142	3	<0.1	2.05	<0.1	36	3.4	50	34.0	2.07	2.4	<0.05	0.25	16.4	4.2
3572082	Drill Core	4.17	0.402	<0.1	6.95	3	162	3	0.4	2.05	<0.1	100	4.1	47	28.6	2.35	2.9	<0.05	0.27	46.1	5.7
3572083	Drill Core	4.19	0.100	<0.1	8.38	11	144	2	<0.1	2.19	<0.1	30	3.3	48	1.4	1.31	3.3	<0.05	0.22	13.7	3.6
3572084	Drill Core	4.94	<0.005	<0.1	7.43	7	204	1	<0.1	0.95	<0.1	28	3.3	29	3.8	1.05	1.5	<0.05	0.40	14.6	5.5
3572085	Drill Core	5.34	<0.005	<0.1	5.18	16	225	1	<0.1	0.50	<0.1	17	9.8	61	5.1	1.19	2.9	<0.05	0.49	7.6	7.1
3572086	Drill Core	5.15	<0.005	<0.1	5.01	15	201	2	<0.1	0.41	<0.1	22	8.6	47	8.5	1.22	2.4	<0.05	0.36	11.7	7.4
3572087	Drill Core	3.44	<0.005	<0.1	7.28	10	198	2	<0.1	1.35	<0.1	43	4.0	42	9.9	1.01	2.4	<0.05	0.32	21.0	5.1
3572088	Drill Core	3.58	<0.005	<0.1	6.39	7	103	2	<0.1	2.38	<0.1	57	3.7	42	27.1	1.67	1.9	<0.05	0.15	28.2	6.6
3572089	Drill Core	3.60	<0.005	<0.1	7.31	9	252	2	<0.1	1.22	<0.1	89	3.7	37	12.2	0.81	1.8	<0.05	0.40	44.9	4.5
3572090	Drill Core	3.78	<0.005	<0.1	5.09	9	178	1	<0.1	0.54	<0.1	9	3.6	34	11.7	0.98	1.6	<0.05	0.42	4.2	5.1
3572091	Drill Core	3.23	<0.005	<0.1	7.22	4	177	1	<0.1	0.65	<0.1	13	2.8	34	6.2	0.98	1.7	<0.05	0.38	6.0	5.6
3572092	Drill Core	3.49	<0.005	<0.1	7.92	12	196	1	<0.1	1.12	<0.1	31	6.5	46	24.3	0.96	2.5	<0.05	0.41	14.4	5.7
3572093	Drill Core	4.78	<0.005	<0.1	8.39	18	229	3	<0.1	1.01	<0.1	41	9.7	59	14.9	1.37	3.3	<0.05	0.62	19.8	8.8
3572094	Drill Core	5.46	0.018	<0.1	6.88	17	170	3	<0.1	1.63	<0.1	35	4.3	56	7.6	1.47	2.8	<0.05	0.38	17.8	7.9
3572095	Drill Core	4.49	0.016	<0.1	7.58	3	113	1	<0.1	1.79	<0.1	29	1.7	44	12.1	1.29	2.6	<0.05	0.14	14.9	3.1
3572096	Drill Core	5.19	0.701	<0.1	6.08	4	151	3	0.1	1.71	<0.1	40	6.1	58	64.7	3.30	2.2	0.07	0.36	21.0	8.8
3572097	Drill Core	5.29	0.086	<0.1	5.47	7	144	1	<0.1	0.95	<0.1	22	3.4	35	14.4	1.28	2.7	<0.05	0.27	10.9	4.1
3572098	Silica	0.20	<0.005	<0.1	8.00	1	16	<1	<0.1	0.16	<0.1	<1	<0.2	2	1.2	0.20	0.3	<0.05	3.52	0.4	21.0
3572099	Drill Core	4.71	0.010	<0.1	7.66	9	201	2	<0.1	0.86	<0.1	34	5.1	49	38.3	1.65	2.7	<0.05	0.35	18.7	4.6

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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3572080	Rock Pulp	3.96	1166	2.8	1.794	2.9	111.8	0.042	15.5	12.9	<0.005	0.4	0.5	33	<1	0.8	103	0.2	0.6	1.0	0.566
3572081	Drill Core	1.02	228	1.2	5.143	2.6	26.6	0.039	2.2	7.7	<0.005	0.3	0.2	6	<1	0.3	80	0.3	<0.5	6.1	0.135
3572082	Drill Core	1.15	265	1.5	5.013	3.6	37.6	0.041	3.8	13.1	<0.005	0.3	0.2	6	<1	0.3	95	0.4	0.9	7.9	0.173
3572083	Drill Core	1.05	232	1.1	5.607	1.3	19.0	0.049	1.4	6.9	<0.005	<0.1	0.1	6	1	0.2	113	0.1	<0.5	5.9	0.051
3572084	Drill Core	1.36	90	0.3	4.716	0.9	25.0	0.038	1.5	19.1	<0.005	<0.1	0.2	5	<1	0.2	121	<0.1	0.8	3.7	0.061
3572085	Drill Core	1.54	73	0.4	5.122	1.4	28.5	0.067	1.4	11.7	<0.005	<0.1	0.1	8	<1	0.4	89	0.1	<0.5	4.5	0.094
3572086	Drill Core	1.49	66	0.2	4.848	1.4	27.0	0.063	1.4	9.3	<0.005	<0.1	0.2	6	<1	0.3	81	0.1	0.7	3.5	0.081
3572087	Drill Core	1.28	108	0.3	4.945	1.2	24.2	0.047	1.6	10.2	<0.005	<0.1	0.2	7	2	0.6	113	0.1	<0.5	4.7	0.067
3572088	Drill Core	2.42	325	0.2	4.241	0.7	11.3	0.045	1.8	2.3	<0.005	0.2	0.2	12	1	0.2	80	<0.1	1.0	3.7	0.035
3572089	Drill Core	1.23	97	0.4	5.065	0.8	21.2	0.048	1.5	17.9	<0.005	<0.1	0.1	6	<1	0.2	127	<0.1	<0.5	4.1	0.058
3572090	Drill Core	1.40	53	0.4	5.163	1.1	23.5	0.037	1.2	9.8	<0.005	<0.1	0.1	5	<1	0.2	69	0.1	0.6	2.2	0.069
3572091	Drill Core	1.48	47	0.3	4.972	0.9	20.0	0.040	1.2	12.8	<0.005	<0.1	0.1	5	<1	0.2	92	<0.1	<0.5	3.8	0.058
3572092	Drill Core	1.38	77	0.4	5.194	2.0	30.2	0.048	10.3	18.7	<0.005	0.1	0.2	8	<1	0.4	110	0.2	0.6	5.6	0.106
3572093	Drill Core	1.95	89	0.5	5.088	1.7	46.5	0.058	4.0	29.1	<0.005	<0.1	0.2	10	<1	0.4	100	0.2	0.8	6.8	0.114
3572094	Drill Core	1.85	269	0.7	5.334	1.7	33.5	0.053	2.4	15.4	<0.005	<0.1	0.2	9	<1	0.3	72	0.2	0.6	5.8	0.107
3572095	Drill Core	0.76	182	1.1	5.318	1.9	8.7	0.044	2.1	3.3	<0.005	0.1	0.2	6	<1	0.2	79	0.2	<0.5	6.5	0.103
3572096	Drill Core	1.83	268	0.9	4.155	1.9	29.4	0.046	2.7	21.0	<0.005	0.6	0.2	10	<1	0.2	75	0.2	0.5	4.7	0.105
3572097	Drill Core	0.90	145	0.4	4.561	2.1	19.0	0.052	1.8	14.1	<0.005	0.1	0.2	5	2	0.2	78	0.2	<0.5	6.1	0.106
3572098	Silica	0.02	32	0.1	7.945	<0.1	0.3	0.002	4.9	53.1	<0.005	<0.1	<0.1	<1	<1	<0.1	30	<0.1	<0.5	0.1	<0.001
3572099	Drill Core	1.05	110	0.5	5.013	1.8	20.3	0.056	1.4	17.5	<0.005	0.2	0.2	7	<1	0.3	86	0.2	<0.5	4.9	0.117

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

CERTIFICATE OF ANALYSIS TIM19002877.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA550
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3572080	Rock Pulp	<0.5	0.3	257	4.8	18.1	76	48.3	
3572081	Drill Core	<0.5	2.2	37	2.5	7.8	6	89.2	
3572082	Drill Core	<0.5	2.7	39	6.1	10.1	5	112.2	
3572083	Drill Core	<0.5	2.7	40	0.8	9.4	5	121.6	
3572084	Drill Core	<0.5	0.9	36	0.2	5.7	6	55.7	
3572085	Drill Core	<0.5	1.0	55	0.3	5.2	5	101.4	
3572086	Drill Core	<0.5	0.6	47	0.2	4.2	5	81.7	
3572087	Drill Core	<0.5	1.6	42	0.4	8.4	4	81.4	
3572088	Drill Core	<0.5	2.1	63	2.0	11.6	6	62.0	
3572089	Drill Core	<0.5	0.7	37	0.2	7.4	3	69.5	
3572090	Drill Core	<0.5	0.6	45	0.2	3.5	4	57.0	
3572091	Drill Core	<0.5	0.7	37	0.1	4.0	3	65.8	
3572092	Drill Core	<0.5	1.6	46	0.4	8.9	5	85.4	
3572093	Drill Core	<0.5	1.8	60	0.3	10.7	7	107.2	
3572094	Drill Core	<0.5	1.8	66	0.8	9.7	29	98.5	
3572095	Drill Core	<0.5	3.4	35	2.0	8.0	4	86.9	
3572096	Drill Core	<0.5	2.2	60	1.9	8.0	9	68.6	
3572097	Drill Core	<0.5	2.0	39	2.4	6.4	5	89.5	
3572098	Silica	0.6	<0.1	<1	<0.1	1.3	3	14.1	
3572099	Drill Core	<0.5	2.1	46	2.7	6.8	5	89.5	

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

QUALITY CONTROL REPORT TIM19002877.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
Pulp Duplicates																					
3569912	Drill Core	4.45	<0.005	<0.1	7.08	1	94	2	0.1	3.28	<0.1	68	16.4	72	39.2	1.87	4.0	0.06	0.25	27.3	4.2
REP 3569912	QC			<0.1	7.18	2	97	2	0.2	3.31	<0.1	71	16.9	73	40.2	1.90	3.9	<0.05	0.25	28.4	4.1
3569921	Drill Core	5.62	<0.005	<0.1	7.12	3	125	2	<0.1	2.07	<0.1	46	11.2	70	13.6	1.78	3.5	<0.05	0.27	15.6	4.3
REP 3569921	QC		<0.005																		
3572050	Silica	0.19	<0.005	<0.1	8.37	<1	17	<1	<0.1	0.16	<0.1	1	<0.2	2	4.5	0.12	0.2	<0.05	4.38	0.5	23.0
REP 3572050	QC		<0.005																		
3572059	Drill Core	5.19	<0.005	<0.1	5.18	5	297	1	<0.1	0.51	<0.1	58	3.3	19	8.0	0.62	1.5	<0.05	0.32	27.2	3.9
REP 3572059	QC			<0.1	5.52	5	283	1	<0.1	0.51	<0.1	64	2.8	21	8.4	0.63	1.4	<0.05	0.29	31.6	4.0
3572089	Drill Core	3.60	<0.005	<0.1	7.31	9	252	2	<0.1	1.22	<0.1	89	3.7	37	12.2	0.81	1.8	<0.05	0.40	44.9	4.5
REP 3572089	QC			<0.1	7.56	11	281	2	<0.1	1.25	<0.1	88	4.1	37	13.0	0.84	2.0	<0.05	0.45	45.7	5.4
Core Reject Duplicates																					
3569910	Drill Core	3.96	<0.005	<0.1	7.08	2	152	3	0.1	4.21	<0.1	90	20.8	79	59.7	2.29	3.6	<0.05	0.56	41.7	7.3
DUP 3569910	QC		<0.005	<0.1	6.96	1	144	2	0.1	4.10	<0.1	88	19.6	76	60.5	2.25	3.5	<0.05	0.54	40.5	7.4
3572057	Drill Core	5.31	<0.005	<0.1	5.83	10	254	1	<0.1	0.36	<0.1	14	5.6	59	3.9	0.87	3.8	<0.05	0.49	6.1	7.4
DUP 3572057	QC		<0.005	<0.1	6.15	10	268	<1	<0.1	0.37	<0.1	17	5.6	57	4.4	0.85	3.8	<0.05	0.53	7.5	7.9
3572091	Drill Core	3.23	<0.005	<0.1	7.22	4	177	1	<0.1	0.65	<0.1	13	2.8	34	6.2	0.98	1.7	<0.05	0.38	6.0	5.6
DUP 3572091	QC		<0.005	<0.1	7.58	5	185	1	<0.1	0.68	<0.1	14	3.2	31	5.2	0.97	1.7	<0.05	0.39	7.0	5.7
Reference Materials																					
STD OREAS25A-4A	Standard			<0.1	9.71	10	147	1	0.4	0.33	<0.1	42	7.7	119	31.4	6.57	4.4	0.10	0.48	18.5	39.1
STD OREAS25A-4A	Standard			<0.1	9.13	10	157	<1	0.4	0.30	<0.1	49	8.1	115	35.8	6.59	4.5	0.06	0.48	23.3	37.7
STD OREAS25A-4A	Standard			<0.1	8.66	9	149	<1	0.3	0.28	<0.1	45	7.6	116	30.6	6.44	4.1	0.09	0.47	20.1	34.3
STD OREAS45E	Standard			0.3	6.66	17	263	<1	0.3	0.06	<0.1	25	59.2	988	776.4	25.07	3.2	0.07	0.36	12.2	6.6
STD OREAS45E	Standard			0.3	6.75	16	259	<1	0.3	0.07	<0.1	24	55.8	989	762.1	24.97	3.1	0.06	0.33	11.0	6.8
STD OREAS45H	Standard			0.2	8.26	17	358	1	0.3	0.14	<0.1	26	88.3	660	782.3	20.47	3.5	0.13	0.22	12.4	14.7
STD OXC145	Standard		0.203																		
STD OXC145	Standard		0.207																		
STD OXC145	Standard		0.203																		
STD OXH139	Standard		1.251																		

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

QUALITY CONTROL REPORT TIM19002877.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
Pulp Duplicates																					
3569912	Drill Core	1.95	80	0.3	5.581	8.1	52.1	0.064	3.4	13.0	<0.005	0.3	0.5	12	1	2.6	84	0.7	0.6	9.1	0.307
REP 3569912	QC	1.99	80	0.4	5.670	8.2	54.2	0.070	3.3	12.5	<0.005	0.3	0.4	12	2	2.9	86	0.7	0.6	10.1	0.318
3569921	Drill Core	2.32	68	0.2	6.143	8.6	41.7	0.053	3.1	7.2	<0.005	0.1	0.6	12	1	2.9	75	0.7	0.8	8.1	0.319
REP 3569921	QC																				
3572050	Silica	0.03	28	<0.1	8.879	0.2	0.5	<0.001	5.6	60.8	<0.005	<0.1	0.1	<1	<1	<0.1	28	<0.1	<0.5	0.2	<0.001
REP 3572050	QC																				
3572059	Drill Core	0.99	48	0.2	5.220	0.8	14.4	0.027	2.6	7.0	<0.005	<0.1	0.3	4	<1	<0.1	120	<0.1	<0.5	3.0	0.045
REP 3572059	QC	1.02	41	0.2	5.127	0.7	13.3	0.024	2.6	7.8	<0.005	<0.1	0.3	4	<1	0.1	120	<0.1	<0.5	2.9	0.045
3572089	Drill Core	1.23	97	0.4	5.065	0.8	21.2	0.048	1.5	17.9	<0.005	<0.1	0.1	6	<1	0.2	127	<0.1	<0.5	4.1	0.058
REP 3572089	QC	1.24	109	0.4	5.021	0.8	23.6	0.043	1.6	18.0	<0.005	<0.1	0.3	7	<1	0.3	134	<0.1	<0.5	4.3	0.060
Core Reject Duplicates																					
3569910	Drill Core	2.03	98	0.4	5.140	7.8	59.4	0.073	3.6	38.2	<0.005	0.4	0.4	15	5	2.6	94	0.7	1.3	10.3	0.299
DUP 3569910	QC	2.00	95	0.3	5.067	7.5	58.4	0.071	3.4	37.0	<0.005	0.4	0.4	14	3	2.2	91	0.7	<0.5	10.4	0.295
3572057	Drill Core	1.79	31	<0.1	5.871	1.4	24.1	0.068	2.0	18.3	<0.005	<0.1	0.1	10	<1	0.1	108	0.1	<0.5	6.1	0.079
DUP 3572057	QC	1.76	33	<0.1	5.679	1.4	26.9	0.073	2.2	25.6	<0.005	<0.1	0.1	11	<1	<0.1	128	0.2	<0.5	8.4	0.082
3572091	Drill Core	1.48	47	0.3	4.972	0.9	20.0	0.040	1.2	12.8	<0.005	<0.1	0.1	5	<1	0.2	92	<0.1	<0.5	3.8	0.058
DUP 3572091	QC	1.43	47	0.2	4.838	1.0	21.0	0.038	1.3	17.8	<0.005	<0.1	0.2	6	<1	0.2	99	0.1	<0.5	3.8	0.067
Reference Materials																					
STD OREAS25A-4A	Standard	0.37	511	2.3	0.139	19.0	44.6	0.052	24.2	50.2	<0.005	<0.1	0.6	12	2	4.1	44	1.5	<0.5	15.5	1.056
STD OREAS25A-4A	Standard	0.39	498	2.5	0.150	19.7	47.7	0.049	25.5	62.4	<0.005	<0.1	0.6	14	4	4.0	53	1.5	<0.5	16.6	0.947
STD OREAS25A-4A	Standard	0.33	478	2.3	0.131	20.0	42.3	0.047	24.3	57.2	<0.005	<0.1	0.6	12	3	3.8	48	1.5	<0.5	15.6	0.913
STD OREAS45E	Standard	0.17	554	2.5	0.061	6.4	466.3	0.038	19.1	21.3	<0.005	<0.1	1.0	105	<1	1.3	18	0.6	<0.5	14.2	0.548
STD OREAS45E	Standard	0.18	554	2.4	0.054	6.3	472.2	0.035	18.1	21.3	<0.005	<0.1	1.0	102	3	1.3	17	0.5	<0.5	13.4	0.537
STD OREAS45H	Standard	0.29	399	1.5	0.102	14.6	438.6	0.025	13.5	23.8	<0.005	<0.1	0.6	59	2	2.2	30	1.1	<0.5	8.3	0.899
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXH139	Standard																				

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Project: SPJ
Report Date: January 29, 2020

QUALITY CONTROL REPORT TIM19002877.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA550
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
Pulp Duplicates									
3569912	Drill Core	<0.5	3.9	97	0.7	21.1	2	134.0	
REP 3569912	QC	<0.5	4.1	100	0.9	21.6	2	132.1	
3569921	Drill Core	<0.5	2.7	90	0.3	18.3	2	127.4	
REP 3569921	QC								
3572050	Silica	0.7	0.1	<1	<0.1	1.3	6	10.9	
REP 3572050	QC								
3572059	Drill Core	<0.5	0.5	24	0.2	4.5	3	53.4	
REP 3572059	QC	<0.5	0.6	25	0.2	4.5	3	49.4	
3572089	Drill Core	<0.5	0.7	37	0.2	7.4	3	69.5	
REP 3572089	QC	<0.5	0.8	37	0.2	7.6	3	64.8	
Core Reject Duplicates									
3569910	Drill Core	<0.5	4.2	111	0.6	23.6	3	120.2	
DUP 3569910	QC	<0.5	4.1	113	0.6	23.2	3	114.4	
3572057	Drill Core	<0.5	0.8	53	0.2	5.6	3	126.9	
DUP 3572057	QC	<0.5	1.3	52	0.2	6.7	4	128.2	
3572091	Drill Core	<0.5	0.7	37	0.1	4.0	3	65.8	
DUP 3572091	QC	<0.5	0.7	37	0.2	4.5	5	58.6	
Reference Materials									
STD OREAS25A-4A	Standard	<0.5	2.9	160	1.9	9.2	44	152.2	
STD OREAS25A-4A	Standard	<0.5	2.9	159	2.1	11.7	54	156.2	
STD OREAS25A-4A	Standard	<0.5	2.7	154	1.8	10.0	42	155.1	
STD OREAS45E	Standard	<0.5	2.6	319	1.1	8.7	50	105.3	
STD OREAS45E	Standard	<0.5	2.5	322	1.2	8.4	50	95.3	
STD OREAS45H	Standard	<0.5	1.8	269	0.9	10.5	42	126.5	
STD OXC145	Standard								
STD OXC145	Standard								
STD OXC145	Standard								
STD OXH139	Standard								

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QUALITY CONTROL REPORT TIM19002877.1

		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
STD OXH139	Standard		1.287																		
STD OXH139	Standard		1.276																		
STD OXN134	Standard		7.381																		
STD OXN134	Standard		7.557																		
STD OXN134	Standard		7.360																		
STD OXP116	Standard																				
STD OXQ90	Standard																				
STD OXQ90	Standard																				
STD OREAS45E Expected				0.311	6.78	16.3	252		0.28	0.065	0.06	23.5	57	979	780	24.12	3.11	0.099	0.324	11	6.58
STD OREAS25A-4A Expected					8.87	9.94	147	0.93	0.37	0.301		47.3	7.7	115	33.9	6.6	4.14	0.09	0.482	21.8	36.7
STD OREAS45H Expected				0.147	7.99	16.9	332	1.09	0.17	0.135		23.6	88	602	767	19.52	3.6	0.1	0.205	12.4	13.1
STD OXC145 Expected			0.212																		
STD OXN134 Expected			7.667																		
STD OXH139 Expected			1.312																		
STD OXP116 Expected																					
STD OXQ90 Expected																					
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	1	0.2	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank																				
Prep Wash																					
ROCK-TIM	Prep Blank		<0.005	<0.1	6.64	1	818	<1	<0.1	1.56	<0.1	23	4.5	4	5.0	2.16	1.9	<0.05	1.59	11.8	2.1
ROCK-TIM	Prep Blank		<0.005	<0.1	6.63	1	768	<1	<0.1	1.55	<0.1	22	4.5	4	4.7	2.13	1.7	<0.05	1.49	10.7	1.9

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BUREAU VERITAS
MINERAL LABORATORIES
Canada

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

QUALITY CONTROL REPORT TIM19002877.1

		MA200 Mg % 0.01	MA200 Mn ppm 1	MA200 Mo ppm 0.1	MA200 Na % 0.001	MA200 Nb ppm 0.1	MA200 Ni ppm 0.1	MA200 P % 0.001	MA200 Pb ppm 0.1	MA200 Rb ppm 0.1	MA200 Re ppm 0.005	MA200 S % 0.1	MA200 Sb ppm 0.1	MA200 Sc ppm 1	MA200 Se ppm 1	MA200 Sn ppm 0.1	MA200 Sr ppm 1	MA200 Ta ppm 0.1	MA200 Te ppm 0.5	MA200 Th ppm 0.1	MA200 Ti % 0.001
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXP116	Standard																				
STD OXQ90	Standard																				
STD OXQ90	Standard																				
STD OREAS45E Expected		0.156	570	2.4	0.059	6.8	454	0.034	18.2	21.2		0.046	1	93	2.97	1.32	15.9	0.54	0.1	12.9	0.559
STD OREAS25A-4A Expected		0.327	480	2.41	0.131	20.9	45.8	0.048	25.2	61		0.047	0.65	13.7	2.4	4.06	48.5	1.4		15.8	0.93
STD OREAS45H Expected		0.238	380	1.55	0.09	14.8	423	0.023	11.9	22.5			0.63	57	2.02	1.93	27.1	1.08		7.26	0.878
STD OXC145 Expected																					
STD OXN134 Expected																					
STD OXH139 Expected																					
STD OXP116 Expected																					
STD OXQ90 Expected																					
BLK	Blank	<0.01	<1	<0.1	0.002	<0.1	0.2	0.001	<0.1	0.1	<0.005	<0.1	<0.1	<1	2	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.002	<0.1	0.2	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	2	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.001	<0.1	0.3	<0.001	<0.1	0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-TIM	Prep Blank	0.59	683	1.0	3.387	5.5	1.7	0.045	2.4	28.6	<0.005	<0.1	<0.1	8	<1	0.7	226	0.4	<0.5	2.8	0.225
ROCK-TIM	Prep Blank	0.58	679	1.0	3.394	5.5	2.2	0.040	2.3	25.9	<0.005	<0.1	0.1	8	<1	0.6	214	0.4	<0.5	2.6	0.222

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

QUALITY CONTROL REPORT TIM19002877.1

		MA200 Tl ppm 0.5	MA200 U ppm 0.1	MA200 V ppm 1	MA200 W ppm 0.1	MA200 Y ppm 0.1	MA200 Zn ppm 1	MA200 Zr ppm 0.1	FA550 Au gm/t 0.9
STD OXH139	Standard								
STD OXH139	Standard								
STD OXN134	Standard								
STD OXN134	Standard								
STD OXN134	Standard								
STD OXP116	Standard								14.8
STD OXQ90	Standard								23.3
STD OXQ90	Standard								23.9
STD OREAS45E Expected		0.15	2.41	322	1.07	8.28	46.7	97	
STD OREAS25A-4A Expected		0.35	2.94	157	2	10.5	44.4	155	
STD OREAS45H Expected			1.68	263	0.99	10.4	39.7	131	
STD OXC145 Expected									
STD OXN134 Expected									
STD OXH139 Expected									
STD OXP116 Expected									14.92
STD OXQ90 Expected									24.88
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1	
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1	
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	1	0.2	
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								<0.9
Prep Wash									
ROCK-TIM	Prep Blank	<0.5	1.2	40	0.4	16.3	41	50.3	
ROCK-TIM	Prep Blank	<0.5	1.1	39	0.3	15.5	39	49.1	

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By:	Quentin Yarie
Receiving Lab:	Canada-Timmins
Received:	December 12, 2019
Analysis Start:	January 07, 2020
Report Date:	January 23, 2020
Page:	1 of 4

CERTIFICATE OF ANALYSIS TIM19002878.1

CLIENT JOB INFORMATION

Project:	SPJ
Shipment ID:	
P.O. Number	
Number of Samples:	79

SAMPLE DISPOSAL

RTRN-PLP	Return After 90 days
RTRN-RJT	Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP85-500	75	Crush split and pulverize 250g of sample to 200mesh			TIM
SHP01	79	Per sample shipping charges for branch shipments			TIM
SLBHP	4	Sort, label and box pulps			TIM
FA450	79	50g Lead Collection Fire Assay Fusion - AAS Finish	50	Completed	TIM
EN002	79	Environmental disposal charge-Fire assay lead waste			TIM
MA200	79	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
EN001-MA	79	Environmental disposal fee - Multi-acid neutralization			VAN

ADDITIONAL COMMENTS

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC:

MAY LAI
Data Validation Specialist

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All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 23, 2020

CERTIFICATE OF ANALYSIS TIM19002878.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3572100	Rock Pulp	0.07	1.511	0.3	7.05	584	387	1	<0.1	5.71	<0.1	38	44.6	196	89.1	8.43	3.4	0.05	0.66	21.0	9.2
3572101	Drill Core	4.28	0.007	<0.1	5.68	4	107	2	<0.1	0.86	<0.1	22	1.7	26	11.1	1.57	1.7	<0.05	0.08	11.7	4.0
3572102	Drill Core	3.67	0.008	<0.1	5.77	8	145	2	<0.1	2.00	<0.1	31	3.6	44	13.9	1.74	2.2	<0.05	0.17	14.9	4.9
3572103	Drill Core	3.78	<0.005	<0.1	5.47	15	233	2	<0.1	0.52	<0.1	21	6.2	46	6.5	1.33	2.4	<0.05	0.42	10.1	5.0
3572104	Drill Core	4.35	<0.005	<0.1	5.99	15	164	2	<0.1	1.02	<0.1	26	6.4	38	6.6	1.13	1.9	<0.05	0.32	12.6	6.5
3572105	Drill Core	3.78	<0.005	<0.1	6.03	25	98	2	<0.1	2.93	<0.1	35	6.1	30	4.9	0.84	2.0	<0.05	0.14	17.7	4.2
3572106	Drill Core	4.94	<0.005	<0.1	6.37	10	193	2	<0.1	1.22	<0.1	28	5.4	42	9.9	1.07	2.4	<0.05	0.41	12.6	7.2
3572107	Drill Core	4.06	<0.005	<0.1	6.34	7	222	2	<0.1	0.97	<0.1	19	7.2	40	18.4	1.30	2.2	<0.05	0.40	8.4	8.3
3572108	Drill Core	4.43	<0.005	0.5	7.50	7	202	3	<0.1	2.77	<0.1	48	14.0	57	13.0	1.53	3.6	<0.05	0.26	21.2	7.6
3572109	Drill Core	6.60	<0.005	<0.1	7.95	2	555	1	<0.1	5.53	0.1	44	61.0	44	44.1	9.94	4.0	0.13	0.90	17.5	13.9
3572110	Drill Core	6.38	<0.005	<0.1	8.01	1	523	<1	<0.1	5.70	0.2	41	60.9	43	44.2	10.11	4.0	0.11	0.97	18.2	14.6
3571501	Drill Core	4.92	0.012	<0.1	5.04	2	338	<1	0.1	8.52	<0.1	206	21.3	74	168.1	7.75	2.7	0.09	0.78	165.7	3.0
3571502	Drill Core	4.17	<0.005	<0.1	3.30	<1	115	<1	<0.1	15.20	<0.1	229	20.0	46	109.8	6.81	1.9	0.14	0.44	201.6	1.1
3571503	Drill Core	4.08	0.017	<0.1	3.29	4	122	1	0.1	13.65	<0.1	280	32.3	52	46.7	9.61	2.0	0.18	0.47	222.0	1.1
3571504	Drill Core	5.30	0.008	<0.1	2.80	<1	114	<1	<0.1	18.14	<0.1	95	9.5	41	21.0	5.88	1.7	0.08	0.31	78.6	0.9
3571505	Drill Core	5.69	<0.005	<0.1	5.98	2	163	2	<0.1	9.07	<0.1	44	13.8	76	5.8	4.56	3.3	0.19	0.65	25.1	4.0
3571506	Drill Core	5.57	0.016	<0.1	2.79	3	46	1	<0.1	20.70	<0.1	43	14.1	34	3.4	3.15	1.8	0.08	0.12	22.8	1.6
3571507	Drill Core	4.13	0.010	<0.1	5.08	4	325	2	<0.1	11.20	<0.1	74	19.8	78	20.0	5.99	2.7	0.09	0.99	52.8	9.4
3571508	Drill Core	4.44	0.017	<0.1	5.57	6	254	2	0.1	7.16	<0.1	214	33.8	86	38.9	9.52	3.1	0.13	0.93	174.1	6.4
3571509	Drill Core	5.23	0.016	<0.1	3.94	<1	157	1	<0.1	16.55	<0.1	43	12.5	50	7.6	3.83	2.0	0.17	0.41	24.3	2.9
3571510	Drill Core	4.03	0.022	<0.1	5.51	5	154	2	<0.1	7.86	<0.1	289	28.6	77	54.0	9.04	2.8	0.13	0.62	224.0	3.5
3571511	Drill Core	4.09	0.163	<0.1	2.95	2	100	1	<0.1	16.78	<0.1	153	11.7	38	39.0	8.59	1.7	0.12	0.34	125.8	1.2
3571512	Drill Core	4.97	0.013	<0.1	4.08	4	164	1	<0.1	16.23	<0.1	46	12.3	53	9.6	3.71	2.2	0.08	0.34	26.1	5.1
3571513	Drill Core	5.51	<0.005	<0.1	4.69	3	108	2	<0.1	13.35	<0.1	45	18.0	54	11.5	3.62	2.5	0.07	0.15	25.3	2.8
3571514	Drill Core	4.42	<0.005	<0.1	4.15	3	126	<1	<0.1	16.60	<0.1	51	13.5	51	6.0	3.87	2.2	0.13	0.27	29.9	2.0
3571515	Drill Core	3.74	<0.005	<0.1	4.05	12	231	2	<0.1	9.16	<0.1	289	51.8	62	45.0	13.29	2.4	0.23	0.69	241.0	3.3
3571516	Drill Core	6.04	<0.005	<0.1	2.45	3	71	<1	<0.1	21.89	<0.1	32	9.7	36	3.6	4.39	1.4	0.09	0.16	19.9	1.1
3571517	Drill Core	4.32	0.017	<0.1	4.97	2	308	1	<0.1	11.01	<0.1	83	19.7	72	20.1	5.97	2.5	0.16	0.80	63.5	8.5
3571518	Drill Core	4.14	0.011	<0.1	5.58	5	262	2	<0.1	6.64	<0.1	574	25.5	85	44.9	11.80	2.7	0.17	0.93	501.9	8.4
3571519	Drill Core	4.59	<0.005	<0.1	5.33	2	133	3	<0.1	5.88	<0.1	229	15.4	87	52.1	14.20	2.7	0.10	0.32	197.0	2.3

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 23, 2020

CERTIFICATE OF ANALYSIS TIM19002878.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3572100	Rock Pulp	3.88	2019	3.0	2.054	19.3	149.8	0.176	5.2	23.0	<0.005	0.7	2.4	19	<1	1.9	352	1.1	1.0	3.5	0.983
3572101	Drill Core	0.97	159	0.7	4.095	1.3	6.1	0.029	2.3	1.8	<0.005	<0.1	0.3	6	2	0.9	74	0.1	<0.5	2.6	0.075
3572102	Drill Core	1.26	270	0.5	4.272	1.3	24.8	0.034	2.5	7.8	<0.005	<0.1	0.4	8	2	0.6	90	0.2	0.5	4.5	0.087
3572103	Drill Core	1.29	90	0.4	4.658	1.2	31.9	0.048	1.8	13.6	<0.005	<0.1	0.2	6	<1	0.3	88	0.1	<0.5	4.6	0.091
3572104	Drill Core	1.63	113	0.4	5.117	1.3	29.6	0.041	3.1	7.5	<0.005	<0.1	0.2	7	<1	0.3	91	0.1	0.6	4.4	0.078
3572105	Drill Core	1.76	237	1.5	4.974	0.8	22.3	0.053	2.3	3.8	<0.005	<0.1	0.2	8	<1	0.3	91	<0.1	1.2	5.0	0.040
3572106	Drill Core	1.64	96	0.4	5.089	2.1	26.7	0.050	2.9	13.4	<0.005	<0.1	0.1	9	<1	0.5	90	0.2	<0.5	6.1	0.101
3572107	Drill Core	1.68	82	0.3	4.875	2.1	27.8	0.048	3.7	13.6	<0.005	<0.1	0.2	7	<1	0.5	100	0.2	0.9	4.2	0.109
3572108	Drill Core	1.83	217	1.4	5.656	2.9	28.6	0.059	4.1	3.9	<0.005	<0.1	0.3	12	2	0.7	139	0.2	1.1	8.1	0.217
3572109	Drill Core	3.72	1578	0.7	2.390	8.1	80.2	0.252	3.0	21.5	<0.005	<0.1	<0.1	25	1	1.4	384	0.5	1.4	1.0	1.712
3572110	Drill Core	3.74	1680	0.7	2.254	9.2	82.9	0.259	3.3	21.2	<0.005	<0.1	<0.1	26	<1	1.4	416	0.5	1.4	0.7	1.713
3571501	Drill Core	1.69	506	0.2	3.108	6.0	28.2	0.044	3.3	45.3	<0.005	1.1	0.7	9	3	2.3	172	0.5	1.2	7.2	0.261
3571502	Drill Core	1.25	459	<0.1	2.254	4.4	30.0	0.030	3.4	27.2	<0.005	0.9	0.4	7	1	2.6	217	0.3	2.8	6.0	0.163
3571503	Drill Core	1.33	401	<0.1	2.257	4.6	35.6	0.034	2.9	30.1	<0.005	0.3	0.6	7	<1	2.4	191	0.3	2.0	6.3	0.174
3571504	Drill Core	0.82	423	0.1	2.092	3.9	20.5	0.022	2.8	19.9	<0.005	<0.1	0.4	6	<1	1.2	218	0.3	2.2	4.7	0.143
3571505	Drill Core	1.80	313	0.3	4.249	8.4	57.5	0.039	2.1	44.7	<0.005	<0.1	0.4	13	<1	2.1	133	0.6	3.4	9.8	0.300
3571506	Drill Core	1.16	559	0.1	2.161	4.0	26.4	0.022	2.5	8.3	<0.005	<0.1	0.6	6	<1	1.2	185	0.3	6.1	4.8	0.149
3571507	Drill Core	1.70	360	0.2	3.266	6.6	55.4	0.028	6.3	79.1	<0.005	0.1	0.3	11	<1	1.9	143	0.5	1.5	7.1	0.248
3571508	Drill Core	1.79	322	0.3	3.676	8.0	57.9	0.042	3.0	74.0	<0.005	0.8	0.7	12	2	2.6	105	0.6	1.2	9.3	0.272
3571509	Drill Core	1.08	452	0.2	2.645	5.3	31.9	0.027	2.6	28.8	<0.005	<0.1	0.2	8	<1	1.5	185	0.4	4.1	6.0	0.190
3571510	Drill Core	1.54	296	0.1	3.718	7.9	64.2	0.042	2.5	44.9	<0.005	0.8	0.6	11	<1	2.6	123	0.5	2.1	8.3	0.254
3571511	Drill Core	1.00	462	<0.1	2.036	3.6	40.1	0.019	2.8	22.9	<0.005	0.1	0.6	6	<1	1.3	198	0.3	3.7	5.3	0.136
3571512	Drill Core	1.28	451	0.2	2.767	5.4	36.3	0.023	2.5	28.3	<0.005	<0.1	0.3	8	<1	1.8	185	0.4	7.3	6.4	0.209
3571513	Drill Core	1.59	377	0.1	3.718	6.5	54.8	0.036	6.7	11.9	<0.005	<0.1	0.7	10	<1	1.9	141	0.5	1.1	8.5	0.240
3571514	Drill Core	1.17	434	0.2	3.119	5.9	33.7	0.035	3.4	19.8	<0.005	<0.1	0.5	9	<1	1.6	206	0.5	3.7	7.4	0.209
3571515	Drill Core	1.44	353	0.1	2.692	5.4	64.8	0.033	3.2	50.1	<0.005	0.5	1.0	9	2	2.3	167	0.4	1.7	8.4	0.209
3571516	Drill Core	0.81	562	0.2	1.763	3.1	19.6	0.021	2.6	10.0	<0.005	<0.1	0.4	5	<1	1.0	230	0.2	7.3	3.8	0.114
3571517	Drill Core	1.72	345	0.2	3.179	6.7	46.1	0.033	3.1	63.3	<0.005	0.1	0.4	12	<1	2.0	154	0.5	2.0	7.4	0.249
3571518	Drill Core	1.73	284	0.2	3.505	7.3	60.8	0.041	2.5	76.0	<0.005	0.5	0.8	11	<1	3.3	111	0.6	1.3	10.2	0.260
3571519	Drill Core	1.48	233	0.2	3.993	6.7	37.8	0.036	3.0	23.9	<0.005	0.2	1.4	10	<1	3.2	89	0.5	0.7	7.4	0.261

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 23, 2020

CERTIFICATE OF ANALYSIS TIM19002878.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3572100	Rock Pulp	<0.5	1.0	167	1.4	24.3	128	132.2
3572101	Drill Core	<0.5	1.6	35	2.4	6.2	8	58.2
3572102	Drill Core	<0.5	1.6	55	1.7	10.1	14	81.8
3572103	Drill Core	<0.5	1.3	48	0.5	6.1	5	81.2
3572104	Drill Core	<0.5	1.0	48	0.4	8.0	5	68.1
3572105	Drill Core	<0.5	1.4	41	0.4	15.1	4	73.1
3572106	Drill Core	<0.5	1.6	56	0.4	8.3	5	81.8
3572107	Drill Core	<0.5	1.2	46	0.4	7.6	6	76.5
3572108	Drill Core	<0.5	3.3	87	2.3	15.4	20	119.8
3572109	Drill Core	<0.5	0.3	279	0.1	33.1	133	148.4
3572110	Drill Core	<0.5	0.2	287	0.1	34.8	147	158.6
3571501	Drill Core	<0.5	3.5	174	0.8	12.5	11	91.2
3571502	Drill Core	<0.5	2.5	142	0.3	10.6	5	65.1
3571503	Drill Core	<0.5	3.0	128	0.5	9.6	4	68.0
3571504	Drill Core	<0.5	2.0	56	0.3	8.1	3	59.1
3571505	Drill Core	<0.5	3.6	85	0.5	13.3	6	107.7
3571506	Drill Core	<0.5	1.6	44	2.0	12.1	4	57.1
3571507	Drill Core	<0.5	3.2	72	1.1	10.9	6	90.7
3571508	Drill Core	<0.5	4.7	90	1.5	13.1	6	97.1
3571509	Drill Core	<0.5	2.1	52	0.4	11.7	4	69.8
3571510	Drill Core	<0.5	4.5	102	0.5	13.1	4	100.6
3571511	Drill Core	<0.5	2.5	63	0.2	10.8	3	55.3
3571512	Drill Core	<0.5	2.4	60	0.3	11.8	3	79.4
3571513	Drill Core	<0.5	3.7	75	0.3	14.0	5	90.4
3571514	Drill Core	<0.5	2.9	60	0.4	12.9	4	79.8
3571515	Drill Core	<0.5	3.7	101	0.4	10.4	4	81.8
3571516	Drill Core	<0.5	1.2	39	0.2	10.5	2	45.2
3571517	Drill Core	<0.5	3.1	76	0.3	11.8	4	86.0
3571518	Drill Core	<0.5	5.5	134	0.3	14.0	5	93.6
3571519	Drill Core	<0.5	4.5	117	0.3	11.9	4	98.0

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 23, 2020

CERTIFICATE OF ANALYSIS TIM19002878.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3571520	Rock Pulp	0.07	0.537	0.2	6.97	4	150	<1	<0.1	6.77	0.1	10	48.8	170	165.7	7.80	1.7	0.06	0.18	4.0	11.8
3571521	Drill Core	4.28	0.009	<0.1	5.80	44	92	3	0.2	6.11	<0.1	248	112.1	90	79.3	9.95	2.9	0.15	0.16	199.5	2.3
3571522	Drill Core	5.30	0.013	<0.1	5.05	11	85	2	0.2	6.34	<0.1	295	40.9	79	28.0	12.87	2.5	0.16	0.09	224.1	2.5
3571523	Drill Core	4.54	0.007	<0.1	4.86	5	63	2	0.1	11.87	<0.1	309	33.3	72	22.1	10.53	2.4	0.17	0.05	234.9	2.4
3571524	Drill Core	4.93	0.028	<0.1	4.88	5	54	2	0.1	10.69	<0.1	291	38.3	76	60.7	11.68	2.6	0.22	0.03	221.6	1.6
3571525	Silica	0.20	<0.005	<0.1	9.92	1	18	<1	<0.1	0.19	<0.1	1	<0.2	<1	0.6	0.17	0.3	<0.05	3.89	0.3	22.5
3571526	Drill Core	4.78	<0.005	<0.1	5.17	2	36	2	<0.1	13.65	<0.1	150	23.8	70	41.9	5.98	2.3	0.16	0.03	117.1	1.6
3571527	Drill Core	4.44	0.013	<0.1	3.77	2	29	<1	<0.1	20.43	<0.1	51	12.0	49	2.9	3.58	1.8	0.10	0.02	30.3	1.2
3571528	Drill Core	4.36	0.012	<0.1	5.41	3	35	2	<0.1	13.21	<0.1	54	12.8	69	12.7	5.60	2.8	0.19	0.03	32.3	1.5
3571529	Drill Core	4.47	<0.005	<0.1	5.80	<1	88	2	<0.1	12.46	<0.1	82	11.9	75	19.8	5.14	2.5	0.19	0.16	61.2	4.3
3571530	Drill Core	3.99	0.085	<0.1	5.88	13	100	2	0.4	7.07	<0.1	122	156.8	85	56.5	8.81	2.9	0.20	0.18	92.2	4.0
3571531	Drill Core	5.34	0.012	<0.1	5.57	7	86	2	<0.1	11.22	<0.1	136	26.6	80	22.4	7.19	2.9	0.13	0.09	106.4	2.4
3571532	Drill Core	4.50	0.006	<0.1	5.48	4	44	2	<0.1	12.14	<0.1	91	22.4	65	12.1	5.92	2.3	0.13	0.05	67.7	2.3
3571533	Drill Core	4.81	<0.005	<0.1	3.21	<1	55	1	<0.1	21.71	<0.1	48	13.8	37	6.0	3.26	1.5	0.10	0.05	28.2	1.2
3571534	Drill Core	4.46	0.016	<0.1	4.03	<1	79	1	<0.1	19.16	<0.1	79	11.9	48	9.8	4.72	2.2	0.16	0.13	49.0	1.8
3571535	Drill Core	4.84	0.083	<0.1	5.87	<1	187	1	<0.1	9.59	<0.1	72	13.1	74	8.1	5.23	2.9	0.14	0.26	47.8	3.4
3571536	Drill Core	4.97	0.131	<0.1	4.82	1	196	<1	<0.1	10.84	<0.1	92	29.4	63	56.2	8.14	2.3	0.19	0.36	67.7	2.3
3571537	Drill Core	5.53	0.057	<0.1	4.52	<1	155	1	<0.1	17.03	<0.1	51	13.8	54	10.6	3.30	2.2	0.12	0.31	31.9	4.4
3571538	Drill Core	5.79	0.005	<0.1	5.15	2	69	1	<0.1	14.43	<0.1	53	15.7	59	3.8	3.57	2.3	0.10	0.06	28.3	1.8
3571539	Drill Core	4.67	<0.005	<0.1	5.63	1	40	1	<0.1	12.74	<0.1	43	14.8	65	7.5	4.28	2.6	0.12	0.03	23.0	1.8
3571540	Rock Pulp	0.07	1.550	0.3	7.33	282	372	<1	<0.1	5.77	<0.1	39	46.9	193	83.8	9.13	3.5	0.07	0.67	20.2	9.8
3571541	Drill Core	5.84	0.006	<0.1	3.85	<1	29	1	<0.1	19.80	<0.1	54	16.4	41	2.2	3.33	2.0	0.09	0.02	31.5	1.7
3571542	Drill Core	6.37	0.016	<0.1	3.90	1	37	1	<0.1	19.90	<0.1	38	16.4	36	1.4	2.99	1.8	0.06	0.02	21.3	1.4
3571543	Drill Core	6.18	0.008	<0.1	3.64	2	28	<1	<0.1	21.08	<0.1	40	9.6	36	1.4	2.13	1.8	0.05	0.02	22.7	1.4
3571544	Drill Core	7.07	<0.005	<0.1	3.84	<1	30	<1	<0.1	22.47	<0.1	35	14.8	40	1.4	2.16	2.0	<0.05	0.02	17.9	1.2
3571545	Drill Core	7.16	<0.005	<0.1	3.45	<1	26	<1	<0.1	23.26	<0.1	35	10.4	32	5.0	1.84	1.8	<0.05	0.02	18.0	1.2
3571546	Drill Core	6.95	0.005	<0.1	3.54	<1	22	<1	<0.1	23.13	<0.1	31	9.9	33	7.5	1.85	1.9	<0.05	0.02	15.7	1.3
3571547	Drill Core	6.79	<0.005	<0.1	3.59	<1	26	1	<0.1	22.44	<0.1	31	8.1	33	7.5	1.86	1.9	0.06	0.02	14.7	2.0
3571548	Drill Core	6.21	0.006	<0.1	3.59	3	26	<1	<0.1	21.99	<0.1	36	11.9	41	3.6	2.02	1.8	<0.05	0.02	20.6	1.3
3571549	Drill Core	7.38	0.022	<0.1	3.36	2	21	<1	<0.1	22.70	<0.1	37	9.2	33	1.3	1.78	1.6	0.08	0.02	19.5	1.8

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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3571520	Rock Pulp	4.22	1489	0.7	2.201	3.5	94.8	0.042	3.0	3.8	<0.005	0.1	0.5	47	<1	0.7	117	0.2	2.4	0.4	0.693
3571521	Drill Core	1.71	224	0.2	4.488	7.3	96.5	0.052	3.9	10.8	<0.005	1.4	1.6	12	1	3.9	86	0.6	1.3	7.8	0.275
3571522	Drill Core	1.73	247	0.3	3.934	6.0	55.2	0.044	2.0	4.9	<0.005	0.6	1.3	10	<1	3.9	72	0.5	1.3	9.0	0.232
3571523	Drill Core	1.65	378	0.3	3.448	5.9	43.2	0.036	2.6	2.5	<0.005	0.3	0.8	10	<1	3.8	114	0.5	2.2	7.6	0.225
3571524	Drill Core	1.63	369	0.3	3.492	6.6	48.6	0.039	3.0	0.8	<0.005	0.5	1.3	10	1	3.2	120	0.5	1.5	7.1	0.231
3571525	Silica	0.03	35	0.1	8.001	0.2	0.6	<0.001	5.0	58.7	<0.005	<0.1	0.1	<1	<1	<0.1	31	<0.1	<0.5	0.2	<0.001
3571526	Drill Core	1.59	418	0.2	3.339	6.6	40.7	0.034	2.1	0.2	<0.005	0.2	0.8	10	<1	2.6	160	0.6	3.2	7.1	0.231
3571527	Drill Core	1.00	490	0.1	2.292	4.6	34.1	0.023	1.8	0.3	<0.005	<0.1	0.6	7	<1	1.5	203	0.4	3.5	6.7	0.166
3571528	Drill Core	1.49	332	0.2	3.804	6.9	51.2	0.036	2.0	0.4	<0.005	0.1	0.6	11	<1	1.9	144	0.6	1.9	7.9	0.236
3571529	Drill Core	1.66	308	0.2	4.005	7.2	57.2	0.037	3.3	12.4	<0.005	<0.1	0.8	12	<1	2.2	135	0.6	2.3	7.1	0.261
3571530	Drill Core	1.93	199	0.3	4.591	7.9	70.0	0.047	3.1	13.9	<0.005	1.8	1.1	13	2	2.8	86	0.6	0.9	6.5	0.273
3571531	Drill Core	1.39	278	0.2	4.156	7.1	46.1	0.039	2.1	6.5	<0.005	0.2	0.7	11	<1	2.4	123	0.6	1.3	7.5	0.246
3571532	Drill Core	1.59	332	0.3	3.368	6.4	50.6	0.029	2.3	1.7	<0.005	0.1	1.1	11	<1	2.0	165	0.5	1.2	7.2	0.228
3571533	Drill Core	0.94	512	0.1	2.409	4.1	33.3	0.024	4.1	3.3	<0.005	<0.1	0.3	7	<1	1.2	197	0.3	4.1	4.9	0.145
3571534	Drill Core	1.07	423	0.2	3.006	5.5	37.3	0.030	3.1	9.5	<0.005	<0.1	0.6	8	<1	1.5	205	0.4	2.3	6.5	0.193
3571535	Drill Core	1.61	279	0.4	4.559	7.5	40.9	0.039	2.5	20.5	<0.005	<0.1	0.7	11	<1	2.2	140	0.6	2.6	8.2	0.261
3571536	Drill Core	1.29	366	0.3	3.354	6.3	51.4	0.033	4.8	29.1	<0.005	0.5	0.7	9	1	2.1	137	0.5	1.7	7.2	0.207
3571537	Drill Core	1.30	423	0.3	3.215	5.3	40.5	0.027	5.5	24.3	<0.005	<0.1	0.4	9	<1	1.6	173	0.5	2.1	6.1	0.204
3571538	Drill Core	1.42	362	0.2	3.782	6.6	46.7	0.033	2.0	3.8	<0.005	<0.1	0.5	11	<1	1.8	136	0.5	3.1	7.0	0.228
3571539	Drill Core	1.52	366	0.2	3.914	6.8	52.3	0.035	1.7	0.5	<0.005	<0.1	0.7	11	<1	1.8	122	0.6	2.2	8.1	0.239
3571540	Rock Pulp	3.95	1962	3.0	2.085	18.5	145.7	0.174	5.2	22.1	<0.005	0.7	2.4	18	1	1.8	370	1.1	1.1	3.3	0.924
3571541	Drill Core	1.16	533	0.1	2.200	4.8	37.1	0.028	2.1	0.3	<0.005	<0.1	0.6	8	<1	1.3	194	0.4	2.9	6.2	0.175
3571542	Drill Core	1.26	636	0.1	2.523	5.3	37.1	0.025	2.3	0.2	<0.005	<0.1	0.6	8	<1	1.2	172	0.4	4.0	7.9	0.171
3571543	Drill Core	1.04	607	<0.1	2.429	4.5	29.3	0.026	2.0	0.1	<0.005	<0.1	0.5	7	<1	1.1	161	0.4	2.5	5.2	0.168
3571544	Drill Core	1.04	655	0.2	2.442	5.0	36.3	0.027	2.0	0.1	<0.005	<0.1	0.7	8	<1	1.2	184	0.4	2.9	5.5	0.177
3571545	Drill Core	0.76	711	0.1	2.163	4.8	28.5	0.023	3.6	0.5	<0.005	<0.1	1.0	7	<1	1.1	167	0.4	4.3	6.3	0.158
3571546	Drill Core	0.75	663	0.3	2.326	4.5	28.4	0.024	8.1	0.3	<0.005	<0.1	0.8	7	<1	1.1	156	0.4	4.5	5.4	0.158
3571547	Drill Core	0.84	623	0.4	2.394	4.5	27.1	0.024	3.2	0.2	<0.005	<0.1	0.6	7	<1	1.1	157	0.4	1.9	5.8	0.158
3571548	Drill Core	0.92	567	0.3	2.293	4.3	27.3	0.024	2.8	0.2	<0.005	<0.1	0.7	7	<1	1.2	187	0.3	2.5	5.4	0.161
3571549	Drill Core	0.71	523	0.2	2.200	4.1	23.5	0.023	2.7	0.2	<0.005	<0.1	0.7	7	<1	1.1	186	0.3	4.0	5.5	0.152

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 23, 2020

CERTIFICATE OF ANALYSIS TIM19002878.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3571520	Rock Pulp	<0.5	0.1	315	1.3	22.8	87	47.6
3571521	Drill Core	<0.5	4.4	124	0.4	14.2	5	99.9
3571522	Drill Core	<0.5	4.4	137	0.4	12.9	5	86.4
3571523	Drill Core	<0.5	3.5	108	0.9	12.7	7	84.8
3571524	Drill Core	<0.5	4.4	105	0.6	12.8	6	91.7
3571525	Silica	0.7	0.1	<1	<0.1	1.5	4	13.3
3571526	Drill Core	<0.5	3.2	70	1.5	12.5	5	83.6
3571527	Drill Core	<0.5	2.3	53	2.9	12.0	3	60.5
3571528	Drill Core	<0.5	3.1	78	1.0	15.6	4	91.4
3571529	Drill Core	<0.5	3.4	76	0.6	13.6	4	97.9
3571530	Drill Core	<0.5	4.0	95	0.5	13.6	5	99.3
3571531	Drill Core	<0.5	3.5	74	0.5	13.1	3	100.8
3571532	Drill Core	<0.5	3.2	75	13.2	12.3	6	83.9
3571533	Drill Core	<0.5	2.0	44	0.5	11.4	2	55.6
3571534	Drill Core	<0.5	2.8	56	0.4	14.5	2	75.8
3571535	Drill Core	<0.5	4.1	70	0.4	13.5	4	104.2
3571536	Drill Core	<0.5	3.2	64	0.3	12.1	4	82.1
3571537	Drill Core	<0.5	2.4	61	0.4	12.2	2	76.5
3571538	Drill Core	<0.5	2.7	67	0.6	13.3	3	84.2
3571539	Drill Core	<0.5	2.9	76	0.6	13.2	6	94.1
3571540	Rock Pulp	<0.5	1.0	164	1.2	20.6	110	125.2
3571541	Drill Core	<0.5	2.3	54	1.1	10.9	6	68.3
3571542	Drill Core	<0.5	2.3	51	0.5	11.1	6	72.7
3571543	Drill Core	<0.5	2.1	47	1.0	9.2	5	71.3
3571544	Drill Core	<0.5	2.0	50	2.0	10.9	5	69.6
3571545	Drill Core	<0.5	2.0	43	0.9	9.8	6	69.0
3571546	Drill Core	<0.5	2.0	44	0.6	9.4	7	66.8
3571547	Drill Core	<0.5	2.0	43	0.5	9.7	5	69.7
3571548	Drill Core	<0.5	2.3	44	0.5	10.1	6	66.5
3571549	Drill Core	<0.5	2.0	43	0.5	10.0	4	60.3

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Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 23, 2020

CERTIFICATE OF ANALYSIS TIM19002878.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3571550	Silica	0.20	<0.005	<0.1	10.04	1	18	<1	<0.1	0.30	<0.1	2	<0.2	1	2.0	0.19	0.3	<0.05	3.86	0.8	23.7
3571551	Drill Core	6.73	<0.005	<0.1	4.90	<1	25	1	<0.1	18.98	<0.1	62	15.0	56	1.1	3.52	2.3	0.08	0.03	32.9	2.4
3571552	Drill Core	6.48	<0.005	<0.1	5.26	<1	31	1	<0.1	18.04	<0.1	56	14.8	58	1.6	3.41	2.5	0.11	0.04	27.7	2.1
3571553	Drill Core	6.20	0.007	<0.1	3.54	3	20	<1	<0.1	22.03	<0.1	51	11.7	40	3.4	2.46	1.8	<0.05	0.02	32.2	2.2
3571554	Drill Core	5.10	0.011	<0.1	5.53	3	36	1	<0.1	12.70	<0.1	299	39.7	81	51.2	8.66	2.6	0.19	0.06	232.9	2.1
3571555	Drill Core	5.49	0.046	<0.1	3.81	4	24	2	0.1	16.30	<0.1	679	60.9	55	43.1	11.77	2.0	0.13	0.04	503.7	1.8
3571556	Drill Core	3.71	0.008	<0.1	4.95	6	27	1	<0.1	16.40	<0.1	109	22.0	70	12.9	5.04	2.4	0.09	0.05	71.8	1.5
3571557	Drill Core	3.65	0.012	<0.1	4.23	3	22	1	0.1	17.83	<0.1	142	43.6	57	70.7	6.56	2.0	0.06	0.04	99.1	1.1
3571558	Drill Core	3.04	<0.005	<0.1	5.34	4	36	2	<0.1	14.27	<0.1	45	15.5	59	13.0	3.38	3.0	0.10	0.06	21.0	1.4
3571559	Drill Core	6.24	<0.005	<0.1	4.70	3	44	1	<0.1	17.33	<0.1	55	13.3	50	7.7	2.67	2.5	0.06	0.05	26.3	1.5
3571560	Rock Pulp	0.07	5.473	1.0	6.44	20	221	<1	0.3	5.28	0.1	11	40.8	255	133.7	6.98	1.6	<0.05	0.48	4.8	19.0
3571561	Drill Core	5.33	<0.005	<0.1	2.84	<1	24	<1	<0.1	24.95	<0.1	44	8.9	30	1.8	1.59	1.5	0.06	0.02	24.3	1.1
3571562	Drill Core	5.73	<0.005	<0.1	3.42	<1	32	1	<0.1	22.43	<0.1	53	10.3	31	1.3	1.57	1.7	<0.05	0.03	26.3	2.6
3571563	Drill Core	5.88	<0.005	<0.1	4.85	1	36	<1	<0.1	19.35	<0.1	59	12.7	43	4.6	3.01	2.2	0.10	0.03	28.8	2.2
3571564	Drill Core	5.71	<0.005	<0.1	4.97	1	46	1	<0.1	18.88	<0.1	55	15.8	49	2.2	3.18	2.3	0.06	0.05	29.9	3.1
3571565	Drill Core	5.16	<0.005	<0.1	4.17	<1	33	<1	<0.1	19.73	<0.1	52	13.5	44	8.8	2.54	2.1	0.07	0.04	26.2	2.5
3571566	Drill Core	4.93	<0.005	<0.1	4.79	3	44	<1	<0.1	18.54	<0.1	51	12.0	53	2.1	2.73	2.3	0.05	0.07	25.9	1.8
3571567	Drill Core	5.06	<0.005	<0.1	4.65	<1	140	<1	<0.1	19.21	<0.1	53	11.7	54	2.8	2.60	2.2	0.08	0.15	27.2	2.2
3571568	Drill Core	5.13	<0.005	<0.1	5.83	4	84	<1	<0.1	13.12	<0.1	40	12.9	64	17.0	3.06	3.1	0.07	0.09	19.0	2.5

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Project: SPJ
Report Date: January 23, 2020

CERTIFICATE OF ANALYSIS TIM19002878.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3571550	Silica	0.03	33	0.1	7.732	0.2	0.7	<0.001	5.2	63.4	<0.005	<0.1	0.1	<1	<1	<0.1	34	<0.1	<0.5	0.2	0.001
3571551	Drill Core	1.37	439	0.3	2.518	5.8	47.9	0.031	2.7	0.1	<0.005	<0.1	1.0	11	<1	1.9	293	0.5	3.7	8.0	0.221
3571552	Drill Core	1.33	422	0.3	3.057	6.7	49.6	0.036	2.7	0.3	<0.005	<0.1	1.1	10	<1	1.7	286	0.5	3.4	8.9	0.236
3571553	Drill Core	0.70	460	0.2	2.204	4.4	29.1	0.027	3.7	0.6	<0.005	<0.1	0.7	7	<1	1.3	239	0.3	4.1	5.8	0.162
3571554	Drill Core	1.33	358	0.3	3.360	6.1	60.2	0.050	3.4	1.0	<0.005	0.5	1.3	11	<1	3.0	236	0.5	1.3	9.8	0.252
3571555	Drill Core	0.97	387	0.1	2.407	4.0	42.0	0.040	6.5	0.3	<0.005	0.8	1.2	8	1	2.7	195	0.4	2.3	12.7	0.177
3571556	Drill Core	1.13	383	0.3	3.240	5.6	50.7	0.041	3.2	0.4	<0.005	0.3	1.0	10	<1	2.2	215	0.5	3.3	7.2	0.237
3571557	Drill Core	0.76	416	0.3	2.899	5.0	36.6	0.034	2.6	0.4	<0.005	0.5	0.9	9	1	1.9	157	0.4	1.5	6.6	0.196
3571558	Drill Core	1.10	369	0.2	4.347	6.8	44.6	0.036	3.3	0.6	<0.005	0.1	0.9	11	<1	1.6	109	0.6	2.6	6.9	0.227
3571559	Drill Core	1.06	414	0.3	3.414	6.4	37.4	0.034	2.7	0.4	<0.005	<0.1	1.1	10	<1	1.7	168	0.5	3.4	5.8	0.209
3571560	Rock Pulp	4.14	1194	2.9	2.038	3.2	115.7	0.041	15.5	14.1	<0.005	0.4	0.3	33	<1	0.5	95	0.2	1.5	0.9	0.565
3571561	Drill Core	0.70	465	0.3	1.919	3.9	22.6	0.020	1.9	0.3	<0.005	<0.1	0.8	6	<1	0.8	188	0.3	4.7	3.8	0.127
3571562	Drill Core	0.75	423	0.2	2.646	4.4	24.0	0.027	2.1	0.3	<0.005	<0.1	0.6	7	<1	1.0	155	0.4	4.9	4.8	0.141
3571563	Drill Core	1.22	433	0.3	2.791	5.9	39.7	0.032	3.5	0.4	<0.005	<0.1	1.0	9	<1	1.3	253	0.5	2.6	6.5	0.189
3571564	Drill Core	1.33	402	0.3	2.686	6.5	48.1	0.029	2.8	0.6	<0.005	<0.1	1.4	9	<1	1.4	271	0.5	2.9	7.7	0.207
3571565	Drill Core	0.97	422	0.3	3.116	5.4	31.9	0.027	4.5	0.5	<0.005	<0.1	0.7	8	<1	1.2	155	0.4	3.2	5.1	0.176
3571566	Drill Core	1.21	372	0.3	3.324	6.2	39.1	0.029	2.8	0.8	<0.005	<0.1	0.8	9	<1	1.3	182	0.5	4.7	6.3	0.203
3571567	Drill Core	1.16	382	0.4	3.038	6.2	37.3	0.028	3.3	2.4	<0.005	<0.1	1.0	10	<1	1.4	187	0.5	3.3	6.2	0.191
3571568	Drill Core	1.38	341	0.5	4.164	7.7	68.2	0.032	6.9	1.4	<0.005	<0.1	0.9	12	<1	1.6	177	0.6	2.0	8.1	0.235

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Project: SPJ
Report Date: January 23, 2020

CERTIFICATE OF ANALYSIS TIM19002878.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3571550	Silica	0.7	0.1	<1	<0.1	1.9	3	11.1
3571551	Drill Core	<0.5	2.7	67	0.8	13.6	8	80.6
3571552	Drill Core	<0.5	2.9	71	0.8	14.7	7	89.3
3571553	Drill Core	<0.5	2.2	47	0.5	11.3	4	65.3
3571554	Drill Core	<0.5	3.9	94	0.6	13.8	8	93.9
3571555	Drill Core	<0.5	3.7	92	0.4	12.5	7	73.3
3571556	Drill Core	<0.5	3.3	70	0.6	12.1	7	90.0
3571557	Drill Core	<0.5	2.8	78	0.4	12.1	5	82.1
3571558	Drill Core	<0.5	2.9	70	0.9	13.0	6	92.1
3571559	Drill Core	<0.5	2.6	65	0.7	13.4	6	88.3
3571560	Rock Pulp	<0.5	0.2	257	5.1	16.7	88	47.3
3571561	Drill Core	<0.5	1.7	38	0.4	9.9	4	52.9
3571562	Drill Core	<0.5	1.9	42	0.4	11.2	3	65.0
3571563	Drill Core	<0.5	2.5	63	0.7	12.7	5	76.6
3571564	Drill Core	<0.5	2.7	65	0.9	13.1	6	81.0
3571565	Drill Core	<0.5	2.3	59	0.7	12.7	4	74.1
3571566	Drill Core	<0.5	2.6	62	0.8	13.3	6	85.7
3571567	Drill Core	<0.5	2.6	64	0.6	13.7	5	79.3
3571568	Drill Core	<0.5	3.7	83	0.6	11.8	7	105.0

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Project: SPJ
Report Date: January 23, 2020

QUALITY CONTROL REPORT TIM19002878.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
Pulp Duplicates																					
3572103	Drill Core	3.78	<0.005	<0.1	5.47	15	233	2	<0.1	0.52	<0.1	21	6.2	46	6.5	1.33	2.4	<0.05	0.42	10.1	5.0
REP 3572103	QC			<0.1	5.17	16	233	2	<0.1	0.51	<0.1	20	6.9	48	6.2	1.35	2.5	<0.05	0.39	10.0	5.0
3572104	Drill Core	4.35	<0.005	<0.1	5.99	15	164	2	<0.1	1.02	<0.1	26	6.4	38	6.6	1.13	1.9	<0.05	0.32	12.6	6.5
REP 3572104	QC		<0.005																		
3571509	Drill Core	5.23	0.016	<0.1	3.94	<1	157	1	<0.1	16.55	<0.1	43	12.5	50	7.6	3.83	2.0	0.17	0.41	24.3	2.9
REP 3571509	QC		0.033																		
3571526	Drill Core	4.78	<0.005	<0.1	5.17	2	36	2	<0.1	13.65	<0.1	150	23.8	70	41.9	5.98	2.3	0.16	0.03	117.1	1.6
REP 3571526	QC			<0.1	5.27	<1	36	2	<0.1	13.97	<0.1	160	22.3	69	40.2	6.10	2.6	0.19	0.03	120.9	1.7
3571559	Drill Core	6.24	<0.005	<0.1	4.70	3	44	1	<0.1	17.33	<0.1	55	13.3	50	7.7	2.67	2.5	0.06	0.05	26.3	1.5
REP 3571559	QC			<0.1	4.67	3	45	2	<0.1	18.39	<0.1	55	13.9	47	10.5	2.65	2.4	0.09	0.04	26.0	1.5
Core Reject Duplicates																					
3572109	Drill Core	6.60	<0.005	<0.1	7.95	2	555	1	<0.1	5.53	0.1	44	61.0	44	44.1	9.94	4.0	0.13	0.90	17.5	13.9
DUP 3572109	QC		<0.005	<0.1	7.87	<1	528	1	<0.1	5.55	0.1	43	56.5	44	42.8	9.99	4.1	0.11	0.85	17.2	16.0
3571533	Drill Core	4.81	<0.005	<0.1	3.21	<1	55	1	<0.1	21.71	<0.1	48	13.8	37	6.0	3.26	1.5	0.10	0.05	28.2	1.2
DUP 3571533	QC		0.007	<0.1	3.16	2	50	1	<0.1	21.30	<0.1	50	13.9	40	7.3	3.27	1.5	0.08	0.05	29.3	1.1
3571567	Drill Core	5.06	<0.005	<0.1	4.65	<1	140	<1	<0.1	19.21	<0.1	53	11.7	54	2.8	2.60	2.2	0.08	0.15	27.2	2.2
DUP 3571567	QC		<0.005	<0.1	4.75	3	142	<1	<0.1	19.18	<0.1	59	9.9	51	3.2	2.66	2.1	0.05	0.16	30.1	2.3
Reference Materials																					
STD OREAS25A-4A	Standard			<0.1	8.92	11	175	1	0.4	0.30	<0.1	53	8.5	123	40.1	6.55	4.2	0.09	0.53	26.0	37.4
STD OREAS25A-4A	Standard			<0.1	9.39	10	169	1	0.3	0.30	<0.1	54	7.8	114	36.8	6.81	4.5	0.10	0.53	24.4	40.3
STD OREAS25A-4A	Standard			<0.1	8.33	10	149	<1	0.3	0.26	<0.1	44	8.2	112	33.4	6.39	3.9	0.08	0.46	17.8	37.2
STD OREAS25A-4A	Standard			<0.1	9.09	10	147	<1	0.3	0.28	<0.1	46	7.7	114	34.8	6.61	3.7	0.08	0.47	21.5	36.4
STD OREAS45E	Standard			0.3	6.88	16	248	<1	0.3	0.07	<0.1	25	59.9	944	796.9	22.88	2.8	0.11	0.31	11.1	6.2
STD OREAS45H	Standard			0.2	8.48	16	342	1	0.1	0.14	<0.1	24	86.9	617	779.3	19.91	3.3	0.11	0.20	12.6	13.2
STD OREAS45E	Standard			0.3	6.95	17	274	<1	0.2	0.07	<0.1	25	61.7	1019	781.7	23.75	2.9	0.07	0.33	10.2	7.0
STD OREAS45E	Standard			0.3	6.86	16	249	<1	0.3	0.06	0.1	24	59.0	1021	768.9	23.68	2.7	0.11	0.31	11.4	6.6
STD OXC145	Standard		0.207																		
STD OXC145	Standard		0.212																		

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 23, 2020

QUALITY CONTROL REPORT TIM19002878.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
Pulp Duplicates																					
3572103	Drill Core	1.29	90	0.4	4.658	1.2	31.9	0.048	1.8	13.6	<0.005	<0.1	0.2	6	<1	0.3	88	0.1	<0.5	4.6	0.091
REP 3572103	QC	1.28	89	0.3	4.742	1.2	32.3	0.044	2.1	11.2	<0.005	<0.1	0.2	6	<1	0.3	79	0.1	0.6	4.3	0.089
3572104	Drill Core	1.63	113	0.4	5.117	1.3	29.6	0.041	3.1	7.5	<0.005	<0.1	0.2	7	<1	0.3	91	0.1	0.6	4.4	0.078
REP 3572104	QC																				
3571509	Drill Core	1.08	452	0.2	2.645	5.3	31.9	0.027	2.6	28.8	<0.005	<0.1	0.2	8	<1	1.5	185	0.4	4.1	6.0	0.190
REP 3571509	QC																				
3571526	Drill Core	1.59	418	0.2	3.339	6.6	40.7	0.034	2.1	0.2	<0.005	0.2	0.8	10	<1	2.6	160	0.6	3.2	7.1	0.231
REP 3571526	QC	1.63	426	0.3	3.307	6.8	43.7	0.034	2.2	0.3	<0.005	0.2	0.9	10	<1	2.4	177	0.5	2.3	7.0	0.238
3571559	Drill Core	1.06	414	0.3	3.414	6.4	37.4	0.034	2.7	0.4	<0.005	<0.1	1.1	10	<1	1.7	168	0.5	3.4	5.8	0.209
REP 3571559	QC	1.05	408	0.3	3.395	6.1	35.0	0.033	2.4	0.4	<0.005	<0.1	1.1	9	<1	1.5	160	0.5	2.3	5.4	0.201
Core Reject Duplicates																					
3572109	Drill Core	3.72	1578	0.7	2.390	8.1	80.2	0.252	3.0	21.5	<0.005	<0.1	<0.1	25	1	1.4	384	0.5	1.4	1.0	1.712
DUP 3572109	QC	3.73	1576	0.6	2.387	8.3	82.1	0.250	3.0	21.6	<0.005	<0.1	<0.1	24	1	1.5	377	0.5	1.0	1.1	1.689
3571533	Drill Core	0.94	512	0.1	2.409	4.1	33.3	0.024	4.1	3.3	<0.005	<0.1	0.3	7	<1	1.2	197	0.3	4.1	4.9	0.145
DUP 3571533	QC	0.93	502	0.2	2.365	3.8	33.4	0.024	4.5	3.3	<0.005	<0.1	0.4	6	<1	1.1	189	0.3	3.2	4.6	0.143
3571567	Drill Core	1.16	382	0.4	3.038	6.2	37.3	0.028	3.3	2.4	<0.005	<0.1	1.0	10	<1	1.4	187	0.5	3.3	6.2	0.191
DUP 3571567	QC	1.18	382	0.3	3.083	5.7	36.1	0.029	4.5	2.8	<0.005	<0.1	1.0	10	<1	1.4	192	0.5	3.7	7.2	0.185
Reference Materials																					
STD OREAS25A-4A	Standard	0.36	503	2.8	0.143	22.0	52.2	0.052	27.3	69.3	<0.005	<0.1	0.7	14	3	4.5	53	1.4	<0.5	18.3	0.929
STD OREAS25A-4A	Standard	0.35	494	2.6	0.147	19.9	49.3	0.057	26.0	66.0	<0.005	<0.1	0.7	13	2	4.1	52	1.6	<0.5	17.3	0.915
STD OREAS25A-4A	Standard	0.31	476	2.5	0.129	18.7	42.3	0.048	22.7	52.5	<0.005	<0.1	0.5	11	1	4.1	42	1.4	<0.5	14.2	0.929
STD OREAS25A-4A	Standard	0.36	488	2.3	0.138	17.7	43.8	0.050	25.2	58.4	<0.005	<0.1	0.5	13	3	3.7	47	1.3	<0.5	15.0	0.912
STD OREAS45E	Standard	0.16	589	2.3	0.052	6.1	471.8	0.034	18.5	22.1	<0.005	<0.1	1.0	88	2	1.3	15	0.5	<0.5	14.1	0.542
STD OREAS45H	Standard	0.25	414	1.6	0.095	13.2	456.3	0.025	12.6	22.8	<0.005	<0.1	1.0	56	1	1.9	28	0.9	<0.5	7.5	0.872
STD OREAS45E	Standard	0.16	545	2.4	0.055	6.1	464.4	0.037	18.3	21.9	<0.005	<0.1	0.9	92	2	1.1	15	0.5	<0.5	11.3	0.493
STD OREAS45E	Standard	0.16	566	2.4	0.049	5.9	483.8	0.034	17.8	21.4	<0.005	<0.1	0.9	94	2	1.3	16	0.5	<0.5	12.5	0.537
STD OXC145	Standard																				
STD OXC145	Standard																				

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 23, 2020

QUALITY CONTROL REPORT TIM19002878.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
Pulp Duplicates								
3572103	Drill Core	<0.5	1.3	48	0.5	6.1	5	81.2
REP 3572103	QC	<0.5	1.2	49	0.6	5.7	6	85.3
3572104	Drill Core	<0.5	1.0	48	0.4	8.0	5	68.1
REP 3572104	QC							
3571509	Drill Core	<0.5	2.1	52	0.4	11.7	4	69.8
REP 3571509	QC							
3571526	Drill Core	<0.5	3.2	70	1.5	12.5	5	83.6
REP 3571526	QC	<0.5	3.2	70	1.6	12.8	6	88.5
3571559	Drill Core	<0.5	2.6	65	0.7	13.4	6	88.3
REP 3571559	QC	<0.5	2.5	63	0.6	13.1	5	82.2
Core Reject Duplicates								
3572109	Drill Core	<0.5	0.3	279	0.1	33.1	133	148.4
DUP 3572109	QC	<0.5	0.3	281	0.1	32.9	130	156.7
3571533	Drill Core	<0.5	2.0	44	0.5	11.4	2	55.6
DUP 3571533	QC	<0.5	1.8	45	0.4	11.3	2	56.7
3571567	Drill Core	<0.5	2.6	64	0.6	13.7	5	79.3
DUP 3571567	QC	<0.5	2.7	64	0.6	13.3	6	81.6
Reference Materials								
STD OREAS25A-4A	Standard	<0.5	3.2	161	1.9	12.1	49	158.0
STD OREAS25A-4A	Standard	<0.5	3.0	158	1.8	11.1	46	162.1
STD OREAS25A-4A	Standard	<0.5	2.9	160	2.0	7.8	45	147.6
STD OREAS25A-4A	Standard	<0.5	3.0	157	1.6	10.3	46	144.8
STD OREAS45E	Standard	<0.5	2.5	332	1.0	8.3	45	90.0
STD OREAS45H	Standard	<0.5	1.7	288	0.8	9.0	40	126.0
STD OREAS45E	Standard	<0.5	2.3	319	1.1	7.0	47	97.3
STD OREAS45E	Standard	<0.5	2.6	341	0.9	8.3	47	91.2
STD OXC145	Standard							
STD OXC145	Standard							

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 23, 2020

QUALITY CONTROL REPORT TIM19002878.1

		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
STD OXC145	Standard		0.202																		
STD OXC145	Standard		0.209																		
STD OXH139	Standard		1.287																		
STD OXH139	Standard		1.267																		
STD OXH139	Standard		1.258																		
STD OXN134	Standard		7.557																		
STD OXN134	Standard		7.562																		
STD OXN134	Standard		7.583																		
STD OXN134	Standard		7.476																		
STD OREAS45H Expected				0.147	7.99	16.9	332	1.09	0.17	0.135		23.6	88	602	767	19.52	3.6	0.1	0.205	12.4	13.1
STD OREAS25A-4A Expected					8.87	9.94	147	0.93	0.37	0.301		47.3	7.7	115	33.9	6.6	4.14	0.09	0.482	21.8	36.7
STD OREAS45E Expected				0.311	6.78	16.3	252		0.28	0.065	0.06	23.5	57	979	780	24.12	3.11	0.099	0.324	11	6.58
STD OXH139 Expected			1.312																		
STD OXC145 Expected			0.212																		
STD OXN134 Expected			7.667																		
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	0.2	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	0.3	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
Prep Wash																					
ROCK-TIM	Prep Blank		<0.005	<0.1	6.65	2	853	<1	<0.1	1.48	<0.1	27	4.2	3	4.0	2.12	2.0	<0.05	1.62	14.3	2.2

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 23, 2020

QUALITY CONTROL REPORT TIM19002878.1

		MA200 Mg % 0.01	MA200 Mn ppm 1	MA200 Mo ppm 0.1	MA200 Na % 0.001	MA200 Nb ppm 0.1	MA200 Ni ppm 0.1	MA200 P % 0.001	MA200 Pb ppm 0.1	MA200 Rb ppm 0.1	MA200 Re ppm 0.005	MA200 S % 0.1	MA200 Sb ppm 0.1	MA200 Sc ppm 1	MA200 Se ppm 1	MA200 Sn ppm 0.1	MA200 Sr ppm 1	MA200 Ta ppm 0.1	MA200 Te ppm 0.5	MA200 Th ppm 0.1	MA200 Ti % 0.001
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OREAS45H Expected		0.238	380	1.55	0.09	14.8	423	0.023	11.9	22.5			0.63	57	2.02	1.93	27.1	1.08		7.26	0.878
STD OREAS25A-4A Expected		0.327	480	2.41	0.131	20.9	45.8	0.048	25.2	61		0.047	0.65	13.7	2.4	4.06	48.5	1.4		15.8	0.93
STD OREAS45E Expected		0.156	570	2.4	0.059	6.8	454	0.034	18.2	21.2		0.046	1	93	2.97	1.32	15.9	0.54	0.1	12.9	0.559
STD OXH139 Expected																					
STD OXC145 Expected																					
STD OXN134 Expected																					
BLK	Blank	<0.01	<1	<0.1	0.002	<0.1	0.3	<0.001	<0.1	0.1	<0.005	<0.1	<0.1	<1	2	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.004	<0.1	0.3	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.003	<0.1	0.2	<0.001	<0.1	0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<1	<0.1	0.001	<0.1	<0.1	<0.001	<0.1	0.2	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-TIM	Prep Blank	0.55	675	1.6	3.523	5.8	1.3	0.047	2.6	32.6	<0.005	<0.1	0.1	7	<1	0.8	201	0.4	<0.5	3.4	0.236

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Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 23, 2020

QUALITY CONTROL REPORT TIM19002878.1

		MA200 Tl ppm 0.5	MA200 U ppm 0.1	MA200 V ppm 1	MA200 W ppm 0.1	MA200 Y ppm 0.1	MA200 Zn ppm 1	MA200 Zr ppm 0.1
STD OXC145	Standard							
STD OXC145	Standard							
STD OXH139	Standard							
STD OXH139	Standard							
STD OXH139	Standard							
STD OXN134	Standard							
STD OXN134	Standard							
STD OXN134	Standard							
STD OXN134	Standard							
STD OREAS45H Expected			1.68	263	0.99	10.4	39.7	131
STD OREAS25A-4A Expected		0.35	2.94	157	2	10.5	44.4	155
STD OREAS45E Expected		0.15	2.41	322	1.07	8.28	46.7	97
STD OXH139 Expected								
STD OXC145 Expected								
STD OXN134 Expected								
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	0.1
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1
BLK	Blank							
BLK	Blank							
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
Prep Wash								
ROCK-TIM	Prep Blank	<0.5	1.5	36	0.3	19.0	39	53.1

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		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
ROCK-TIM	Prep Blank		<0.005	<0.1	6.90	2	869	1	<0.1	1.52	<0.1	28	4.2	3	3.9	2.13	1.7	<0.05	1.69	14.3	1.6

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BUREAU VERITAS
MINERAL LABORATORIES
Canada

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 23, 2020

QUALITY CONTROL REPORT TIM19002878.1

		MA200 Mg % 0.01	MA200 Mn ppm 1	MA200 Mo ppm 0.1	MA200 Na % 0.001	MA200 Nb ppm 0.1	MA200 Ni ppm 0.1	MA200 P % 0.001	MA200 Pb ppm 0.1	MA200 Rb ppm 0.1	MA200 Re ppm 0.005	MA200 S % 0.1	MA200 Sb ppm 0.1	MA200 Sc ppm 1	MA200 Se ppm 1	MA200 Sn ppm 0.1	MA200 Sr ppm 1	MA200 Ta ppm 0.1	MA200 Te ppm 0.5	MA200 Th ppm 0.1	MA200 Ti % 0.001
ROCK-TIM	Prep Blank	0.54	669	1.1	3.389	6.2	1.4	0.048	2.6	33.5	<0.005	<0.1	0.1	7	<1	0.9	194	0.4	<0.5	3.1	0.231

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QUALITY CONTROL REPORT TIM19002878.1

		MA200 Tl ppm 0.5	MA200 U ppm 0.1	MA200 V ppm 1	MA200 W ppm 0.1	MA200 Y ppm 0.1	MA200 Zn ppm 1	MA200 Zr ppm 0.1
ROCK-TIM	Prep Blank	<0.5	1.3	35	0.4	19.2	37	54.6

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By:	Quentin Yarie
Receiving Lab:	Canada-Timmins
Received:	December 16, 2019
Analysis Start:	January 09, 2020
Report Date:	January 23, 2020
Page:	1 of 4

CERTIFICATE OF ANALYSIS TIM19002884.1

CLIENT JOB INFORMATION

Project:	SPJ
Shipment ID:	
P.O. Number	
Number of Samples:	78

SAMPLE DISPOSAL

RTRN-PLP	Return After 90 days
RTRN-RJT	Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP85-500	73	Crush split and pulverize 250g of sample to 200mesh			TIM
SHP01	78	Per sample shipping charges for branch shipments			TIM
SLBHP	5	Sort, label and box pulps			TIM
FA450	78	50g Lead Collection Fire Assay Fusion - AAS Finish	50	Completed	TIM
EN002	78	Environmental disposal charge-Fire assay lead waste			TIM
MA200	78	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
EN001-MA	78	Environmental disposal fee - Multi-acid neutralization			VAN

ADDITIONAL COMMENTS

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC:

MAY LAI
Data Validation Specialist

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All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

BUREAU VERITAS MINERAL LABORATORIES Canada

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 23, 2020

CERTIFICATE OF ANALYSIS TIM19002884.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3571569	Drill Core	4.98	<0.005	<0.1	5.79	7	98	<1	<0.1	13.36	<0.1	37	18.2	57	8.5	2.85	2.9	0.09	0.08	19.4	2.9
3571570	Drill Core	5.02	<0.005	<0.1	4.64	4	71	2	<0.1	19.07	<0.1	49	11.7	49	6.2	2.33	2.4	<0.05	0.10	27.9	3.2
3571571	Drill Core	6.24	<0.005	<0.1	5.06	2	297	1	<0.1	18.88	<0.1	47	12.5	58	2.4	2.70	2.2	0.08	0.40	22.3	2.3
3571572	Drill Core	5.81	<0.005	<0.1	4.07	<1	50	1	<0.1	20.83	<0.1	39	10.6	42	9.5	1.75	2.0	0.07	0.07	18.7	2.2
3571573	Drill Core	6.56	<0.005	<0.1	4.77	2	193	<1	<0.1	19.47	<0.1	53	13.6	51	2.6	2.84	2.1	0.07	0.26	28.3	3.2
3571574	Drill Core	5.89	<0.005	<0.1	5.19	2	99	2	<0.1	17.38	<0.1	44	14.5	61	4.9	2.64	2.4	0.06	0.18	22.7	3.0
3571575	Silica	0.20	<0.005	<0.1	9.38	<1	19	<1	<0.1	0.32	<0.1	2	<0.2	2	1.8	0.18	0.3	<0.05	3.85	0.8	24.2
3571576	Drill Core	5.58	0.012	<0.1	4.53	2	134	<1	<0.1	19.67	<0.1	41	13.3	62	2.7	2.86	2.1	<0.05	0.34	21.5	2.6
3571577	Drill Core	5.63	0.008	<0.1	5.34	4	232	1	<0.1	16.91	<0.1	39	15.4	66	4.8	3.55	2.4	<0.05	0.55	19.7	3.6
3571578	Drill Core	5.99	<0.005	<0.1	2.34	<1	104	<1	<0.1	27.41	<0.1	32	7.2	28	4.4	0.95	1.3	<0.05	0.29	16.5	0.7
3571579	Drill Core	6.19	<0.005	<0.1	4.55	<1	119	<1	<0.1	19.20	<0.1	44	8.6	50	2.6	2.19	2.5	<0.05	0.25	23.4	2.5
3571580	Rock Pulp	0.07	0.522	0.2	7.38	4	156	<1	<0.1	6.85	<0.1	10	48.9	183	155.9	8.24	1.8	0.06	0.19	4.1	12.0
3571581	Drill Core	6.51	<0.005	<0.1	5.93	3	84	1	<0.1	13.51	<0.1	43	15.2	63	3.4	3.09	2.8	0.06	0.12	23.1	3.5
3571582	Drill Core	6.43	<0.005	<0.1	5.42	5	185	<1	<0.1	17.38	<0.1	61	12.9	61	1.9	3.00	2.4	0.13	0.36	32.4	3.6
3571583	Drill Core	6.60	<0.005	<0.1	4.01	2	157	<1	<0.1	20.87	<0.1	37	12.9	49	3.4	2.05	2.1	<0.05	0.38	19.5	2.8
3571584	Drill Core	6.87	<0.005	<0.1	4.88	2	201	<1	<0.1	19.07	<0.1	40	16.5	65	6.7	3.27	2.2	<0.05	0.46	20.0	3.7
3571585	Drill Core	5.97	<0.005	<0.1	3.83	<1	256	<1	<0.1	22.45	<0.1	43	12.8	40	14.0	2.11	2.2	0.06	0.56	24.4	1.9
3571586	Drill Core	7.11	<0.005	<0.1	3.42	<1	191	<1	<0.1	23.82	<0.1	31	12.7	33	14.5	1.66	1.7	<0.05	0.52	16.2	2.4
3571587	Drill Core	5.84	<0.005	<0.1	3.22	<1	287	<1	<0.1	24.79	<0.1	31	8.7	30	21.0	1.46	1.9	<0.05	0.69	15.6	2.5
3571588	Drill Core	5.85	<0.005	<0.1	3.87	2	306	<1	<0.1	21.64	<0.1	37	14.7	45	16.9	2.11	2.1	<0.05	0.69	20.1	1.6
3571589	Drill Core	6.49	<0.005	<0.1	4.95	1	758	1	<0.1	18.32	<0.1	51	16.8	58	9.8	3.42	2.3	<0.05	1.44	27.6	8.6
3571590	Drill Core	3.78	<0.005	<0.1	5.17	<1	118	2	<0.1	15.89	<0.1	28	11.7	61	10.2	3.06	2.4	<0.05	0.23	14.0	2.7
3571591	Drill Core	6.36	<0.005	<0.1	4.03	<1	439	<1	<0.1	22.16	<0.1	37	11.9	52	11.3	2.67	1.9	0.05	0.90	19.8	2.7
3571592	Drill Core	6.07	<0.005	<0.1	3.64	<1	427	<1	<0.1	23.60	<0.1	37	10.0	44	12.8	2.11	2.0	<0.05	0.88	18.9	1.7
3571593	Drill Core	6.66	<0.005	<0.1	3.13	2	361	<1	<0.1	24.75	<0.1	28	10.8	38	17.2	1.52	1.6	<0.05	0.70	14.8	1.9
3571594	Drill Core	6.36	<0.005	<0.1	3.49	2	417	1	<0.1	23.19	<0.1	32	10.3	40	12.9	1.95	1.8	<0.05	0.87	17.3	2.5
3571595	Drill Core	6.66	<0.005	<0.1	3.70	4	372	<1	<0.1	23.47	<0.1	31	10.0	39	14.7	2.06	1.7	0.11	0.74	16.7	3.6
3571596	Drill Core	4.63	<0.005	<0.1	3.13	6	251	1	<0.1	24.86	<0.1	30	11.7	32	21.8	1.77	1.7	<0.05	0.49	15.7	3.3
3571597	Drill Core	6.20	<0.005	<0.1	3.46	8	284	<1	<0.1	23.27	<0.1	31	10.8	35	14.6	1.87	1.8	<0.05	0.54	16.4	5.1
3571598	Silica	0.20	<0.005	<0.1	9.54	<1	19	1	<0.1	0.31	<0.1	2	<0.2	<1	3.6	0.17	0.1	<0.05	4.09	0.8	24.5

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 23, 2020

CERTIFICATE OF ANALYSIS TIM19002884.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3571569	Drill Core	1.27	345	0.2	4.164	6.9	49.5	0.033	6.6	1.6	<0.005	0.1	1.3	11	<1	1.8	128	0.6	3.1	8.8	0.230
3571570	Drill Core	1.07	396	0.2	3.128	6.2	36.8	0.032	3.3	1.9	<0.005	<0.1	0.9	9	<1	1.4	149	0.5	2.1	7.1	0.201
3571571	Drill Core	1.41	389	0.4	2.299	5.9	45.5	0.030	3.2	9.8	<0.005	<0.1	1.6	11	<1	1.3	206	0.5	1.6	9.8	0.233
3571572	Drill Core	0.88	384	0.1	2.852	4.9	33.1	0.025	2.3	1.5	<0.005	<0.1	0.6	8	1	1.2	129	0.4	3.7	7.2	0.176
3571573	Drill Core	1.32	406	0.3	2.504	5.7	49.0	0.029	3.0	6.3	<0.005	<0.1	1.4	10	<1	1.5	191	0.5	4.4	7.7	0.213
3571574	Drill Core	1.23	391	0.4	3.366	6.4	47.2	0.032	2.8	4.3	<0.005	<0.1	1.1	11	<1	1.7	154	0.5	3.1	7.7	0.239
3571575	Silica	0.03	34	<0.1	8.015	0.2	0.7	<0.001	5.0	58.2	<0.005	<0.1	0.2	<1	<1	<0.1	29	<0.1	<0.5	0.2	0.002
3571576	Drill Core	1.11	438	0.4	2.465	4.9	44.0	0.030	3.1	8.3	<0.005	<0.1	1.1	10	<1	1.1	209	0.4	2.7	6.9	0.207
3571577	Drill Core	1.37	444	0.5	2.762	5.7	48.6	0.035	3.2	14.3	<0.005	<0.1	1.4	10	<1	1.3	257	0.5	2.5	7.5	0.231
3571578	Drill Core	0.45	498	0.2	1.562	2.7	15.5	0.016	1.8	7.4	<0.005	<0.1	0.3	5	<1	0.5	144	0.2	7.9	3.5	0.106
3571579	Drill Core	0.97	386	0.2	3.088	5.5	32.4	0.029	2.6	6.5	<0.005	<0.1	0.7	9	<1	1.3	145	0.5	3.9	6.8	0.196
3571580	Rock Pulp	4.25	1471	0.7	2.296	3.6	96.7	0.045	3.0	3.9	<0.005	0.1	0.4	45	<1	0.5	120	0.2	1.3	0.4	0.678
3571581	Drill Core	1.42	311	0.3	3.769	7.0	46.5	0.036	3.3	2.8	<0.005	<0.1	1.0	11	<1	1.9	185	0.6	2.5	8.7	0.245
3571582	Drill Core	1.39	371	0.3	2.844	6.5	51.4	0.032	5.7	10.2	<0.005	<0.1	1.6	12	<1	1.6	212	0.5	2.3	9.9	0.247
3571583	Drill Core	0.87	415	0.3	2.459	4.9	32.1	0.028	3.9	11.4	<0.005	<0.1	0.8	9	<1	1.1	183	0.4	4.1	6.0	0.186
3571584	Drill Core	1.33	462	0.6	2.235	5.5	50.5	0.035	3.8	14.0	<0.005	<0.1	1.5	11	<1	1.4	289	0.5	3.1	9.3	0.230
3571585	Drill Core	0.91	486	0.5	1.991	5.1	30.4	0.025	8.6	18.8	<0.005	<0.1	0.7	8	<1	3.8	252	0.4	4.3	6.5	0.172
3571586	Drill Core	0.74	533	0.4	1.946	4.5	27.0	0.024	7.5	17.1	<0.005	<0.1	0.5	7	1	0.9	231	0.4	2.7	5.9	0.150
3571587	Drill Core	0.71	546	0.6	1.718	4.1	22.4	0.021	6.3	23.9	<0.005	<0.1	0.3	6	<1	0.8	230	0.4	3.9	5.6	0.141
3571588	Drill Core	0.90	484	0.8	2.152	5.2	34.3	0.026	3.5	24.3	<0.005	<0.1	0.5	8	<1	1.1	229	0.4	4.9	6.7	0.178
3571589	Drill Core	1.34	436	0.4	1.890	6.1	47.5	0.031	5.3	61.0	<0.005	<0.1	0.8	11	<1	1.7	272	0.5	2.1	8.4	0.242
3571590	Drill Core	1.38	410	0.7	3.322	5.4	45.6	0.035	6.8	6.4	<0.005	<0.1	0.8	11	<1	1.4	203	0.5	3.0	6.3	0.231
3571591	Drill Core	1.15	451	0.5	1.692	4.4	37.8	0.028	10.8	28.3	<0.005	<0.1	0.7	9	<1	1.4	305	0.4	4.2	5.8	0.201
3571592	Drill Core	0.94	446	0.6	1.656	4.2	31.2	0.028	31.5	27.6	<0.005	<0.1	0.5	8	<1	0.9	302	0.4	3.9	5.8	0.170
3571593	Drill Core	0.73	465	0.6	1.533	4.0	25.8	0.023	3.6	19.4	<0.005	<0.1	0.5	7	<1	0.8	299	0.3	2.1	5.0	0.148
3571594	Drill Core	0.93	453	0.5	1.552	4.4	29.9	0.027	2.8	20.3	<0.005	<0.1	0.5	7	<1	1.1	299	0.4	3.5	5.6	0.158
3571595	Drill Core	1.03	449	1.3	1.779	4.6	29.9	0.020	2.9	15.1	<0.005	<0.1	0.6	7	1	1.1	279	0.4	8.9	6.5	0.165
3571596	Drill Core	0.89	476	1.6	1.579	4.1	27.1	0.018	2.9	11.0	<0.005	<0.1	0.4	6	<1	1.0	285	0.3	6.6	5.6	0.142
3571597	Drill Core	0.99	458	1.3	1.728	4.5	29.6	0.020	2.5	14.3	<0.005	<0.1	0.5	7	<1	1.0	288	0.4	5.5	6.2	0.157
3571598	Silica	0.03	30	<0.1	8.258	<0.1	0.5	<0.001	5.3	54.7	<0.005	<0.1	<0.1	<1	2	<0.1	30	<0.1	<0.5	0.2	0.001

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Project: SPJ
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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3571569	Drill Core	<0.5	3.7	73	0.6	12.6	5	100.6
3571570	Drill Core	<0.5	2.8	58	0.7	13.2	5	87.9
3571571	Drill Core	<0.5	3.0	78	0.9	14.7	5	80.1
3571572	Drill Core	<0.5	2.4	53	0.5	10.4	4	77.7
3571573	Drill Core	<0.5	2.7	71	0.7	12.6	6	79.1
3571574	Drill Core	<0.5	2.8	76	0.8	13.7	8	89.6
3571575	Silica	0.7	0.1	<1	<0.1	1.7	3	12.3
3571576	Drill Core	<0.5	3.3	66	0.7	11.3	7	71.0
3571577	Drill Core	<0.5	2.8	78	0.9	12.1	7	81.5
3571578	Drill Core	<0.5	1.6	29	0.3	7.9	3	46.4
3571579	Drill Core	<0.5	3.5	59	0.7	13.0	5	86.1
3571580	Rock Pulp	<0.5	0.1	331	1.1	22.5	82	66.9
3571581	Drill Core	<0.5	3.5	78	0.8	13.5	8	95.2
3571582	Drill Core	<0.5	3.2	80	0.9	14.6	6	83.0
3571583	Drill Core	<0.5	2.5	53	0.6	10.9	6	73.2
3571584	Drill Core	<0.5	3.3	73	0.8	12.9	9	74.0
3571585	Drill Core	<0.5	2.4	49	0.7	11.4	6	68.4
3571586	Drill Core	<0.5	2.2	43	0.6	9.8	6	66.0
3571587	Drill Core	<0.5	2.1	40	0.6	9.3	6	58.8
3571588	Drill Core	<0.5	2.4	52	0.7	11.3	10	74.1
3571589	Drill Core	<0.5	2.6	78	1.0	14.2	12	77.4
3571590	Drill Core	<0.5	2.5	70	0.9	11.9	11	76.8
3571591	Drill Core	<0.5	2.4	60	0.9	10.9	10	67.5
3571592	Drill Core	<0.5	2.4	50	0.7	10.0	9	66.6
3571593	Drill Core	<0.5	2.1	41	0.7	8.4	6	60.2
3571594	Drill Core	<0.5	2.3	46	0.8	9.3	11	58.7
3571595	Drill Core	<0.5	2.4	51	0.9	9.6	8	60.7
3571596	Drill Core	<0.5	2.1	39	0.8	8.7	9	58.2
3571597	Drill Core	<0.5	2.4	45	0.9	9.2	9	62.0
3571598	Silica	0.7	0.1	<1	<0.1	1.6	4	6.4

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 23, 2020

CERTIFICATE OF ANALYSIS TIM19002884.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3571599	Drill Core	5.65	<0.005	<0.1	2.60	2	210	<1	<0.1	27.73	<0.1	25	7.4	26	17.7	1.19	1.4	<0.05	0.52	13.5	7.5
3571600	Rock Pulp	0.07	1.508	0.2	7.19	856	332	1	<0.1	5.61	<0.1	38	38.8	203	77.2	8.35	3.3	0.08	0.68	19.9	9.5
3483255	Drill Core	5.05	<0.005	0.1	4.74	6	181	2	<0.1	0.30	<0.1	12	3.0	32	4.5	0.94	2.2	<0.05	0.42	5.4	7.2
3483256	Drill Core	6.10	0.005	<0.1	4.92	6	190	2	<0.1	0.45	<0.1	13	4.5	31	5.0	0.96	1.7	<0.05	0.31	6.1	5.7
3483257	Drill Core	5.85	<0.005	<0.1	4.93	3	204	2	<0.1	0.45	<0.1	6	2.9	21	8.6	0.99	1.2	<0.05	0.37	2.8	6.4
3483258	Drill Core	5.38	<0.005	<0.1	4.85	4	293	1	<0.1	0.27	<0.1	6	2.5	19	4.0	0.91	1.1	<0.05	0.39	2.7	6.0
3483259	Drill Core	5.27	<0.005	<0.1	4.70	4	258	1	<0.1	0.30	<0.1	23	1.8	15	3.3	0.74	0.9	<0.05	0.30	11.8	5.6
3483260	Rock Pulp	0.07	5.336	1.0	6.52	26	241	<1	0.4	5.73	0.1	13	43.4	288	132.3	7.25	1.8	0.08	0.50	5.9	19.8
3483261	Drill Core	4.41	<0.005	<0.1	5.51	4	284	2	<0.1	0.50	<0.1	25	2.0	17	4.1	0.75	0.9	<0.05	0.27	12.7	4.8
3483262	Drill Core	6.36	<0.005	<0.1	5.60	12	215	<1	<0.1	0.91	<0.1	19	3.1	18	4.8	0.73	1.2	<0.05	0.28	8.3	4.8
3483263	Drill Core	5.37	<0.005	<0.1	4.99	4	208	<1	<0.1	0.34	<0.1	11	2.1	20	5.7	0.87	1.0	<0.05	0.34	5.2	5.6
3483264	Drill Core	7.39	<0.005	<0.1	5.42	10	231	2	<0.1	0.58	<0.1	18	3.0	23	13.8	0.82	1.5	<0.05	0.32	8.3	5.4
3483265	Drill Core	5.83	<0.005	<0.1	5.80	23	211	2	<0.1	0.55	<0.1	31	7.0	51	13.2	1.16	3.0	<0.05	0.43	15.6	9.8
3483266	Drill Core	5.19	<0.005	<0.1	6.03	9	190	1	<0.1	2.25	<0.1	29	4.7	22	25.9	0.80	1.2	<0.05	0.28	13.1	5.2
3483267	Drill Core	6.26	<0.005	<0.1	6.02	13	197	2	<0.1	1.70	<0.1	25	6.8	29	58.0	0.94	1.5	<0.05	0.42	12.0	5.7
3483268	Drill Core	5.69	<0.005	<0.1	6.60	17	176	2	<0.1	1.13	<0.1	18	3.7	37	6.9	0.82	2.2	<0.05	0.36	8.4	6.1
3483269	Drill Core	5.90	<0.005	<0.1	5.99	6	172	2	<0.1	0.76	<0.1	14	2.0	21	4.9	0.53	1.6	<0.05	0.21	6.3	3.3
3483270	Drill Core	5.14	<0.005	<0.1	6.83	13	156	2	<0.1	1.75	<0.1	24	3.5	40	7.1	0.68	3.3	<0.05	0.22	11.4	4.1
3483271	Drill Core	3.25	<0.005	<0.1	6.24	10	119	2	<0.1	1.45	<0.1	17	2.3	26	11.0	0.75	2.1	<0.05	0.24	7.8	4.0
3483272	Drill Core	4.12	<0.005	<0.1	6.05	12	85	2	<0.1	1.51	<0.1	14	1.6	27	5.9	0.53	2.9	<0.05	0.11	7.0	1.8
3483273	Drill Core	5.48	<0.005	<0.1	7.61	12	209	2	<0.1	2.61	<0.1	42	9.8	73	16.7	1.43	4.2	<0.05	0.60	17.4	7.9
3483274	Drill Core	6.39	<0.005	<0.1	7.13	11	321	2	0.1	2.58	<0.1	44	15.0	78	32.3	1.95	3.7	<0.05	0.94	19.2	9.5
3483275	Silica	0.19	<0.005	<0.1	8.83	<1	17	<1	<0.1	0.16	<0.1	1	<0.2	1	0.8	0.19	0.2	<0.05	3.53	0.4	21.8
3483276	Drill Core	4.80	<0.005	<0.1	7.29	13	228	2	0.1	3.10	<0.1	58	9.9	72	28.1	1.76	3.5	<0.05	0.62	25.8	7.1
3483277	Drill Core	5.08	<0.005	<0.1	6.71	14	152	2	<0.1	2.20	<0.1	30	8.5	59	15.8	1.10	3.2	<0.05	0.36	12.2	4.9
3483278	Drill Core	4.44	<0.005	<0.1	7.43	5	256	2	<0.1	2.63	0.1	58	8.8	67	36.1	1.93	3.7	<0.05	0.81	26.3	9.2
3483279	Drill Core	4.78	<0.005	<0.1	7.30	5	266	2	0.1	2.80	<0.1	56	12.2	73	44.4	1.89	3.8	<0.05	0.82	23.5	8.8
3483280	Rock Pulp	0.07	1.527	0.3	7.04	912	345	1	<0.1	5.63	<0.1	37	38.8	195	78.2	8.22	3.2	0.08	0.60	19.8	8.9
3483281	Drill Core	4.76	<0.005	<0.1	6.68	16	158	3	0.1	3.14	<0.1	47	10.2	52	15.4	1.45	3.2	<0.05	0.43	20.3	7.0
3483282	Drill Core	4.86	<0.005	<0.1	5.41	4	209	2	<0.1	0.81	<0.1	17	3.6	42	2.7	0.97	2.3	<0.05	0.47	6.4	6.7

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Project: SPJ
Report Date: January 23, 2020

CERTIFICATE OF ANALYSIS TIM19002884.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3571599	Drill Core	0.59	509	0.8	1.409	3.4	19.8	0.018	2.3	24.0	<0.005	<0.1	0.3	5	1	0.8	254	0.3	4.4	4.7	0.118
3571600	Rock Pulp	3.97	1901	2.7	2.158	18.2	142.6	0.191	5.0	19.6	<0.005	0.7	2.3	18	<1	1.8	357	1.2	0.8	3.3	0.923
3483255	Drill Core	1.36	33	0.6	5.358	1.4	19.7	0.040	0.9	6.5	<0.005	<0.1	0.1	6	1	0.2	43	0.1	<0.5	3.0	0.074
3483256	Drill Core	1.17	39	0.5	5.223	1.4	18.2	0.032	1.2	4.1	<0.005	<0.1	0.2	5	2	0.3	66	0.1	<0.5	2.6	0.077
3483257	Drill Core	1.20	41	0.4	5.387	1.4	16.9	0.018	1.1	5.0	<0.005	<0.1	0.2	4	3	0.4	58	0.1	<0.5	1.6	0.078
3483258	Drill Core	1.14	34	0.2	5.158	1.3	15.9	0.021	1.9	8.0	<0.005	<0.1	0.2	4	2	0.3	78	0.1	<0.5	1.4	0.070
3483259	Drill Core	0.97	34	0.2	4.831	1.0	13.3	0.018	1.4	6.0	<0.005	<0.1	0.2	3	2	0.3	79	<0.1	<0.5	1.6	0.055
3483260	Rock Pulp	4.21	1250	3.1	2.034	3.5	122.3	0.045	18.7	14.4	<0.005	0.5	0.5	36	2	0.7	107	0.2	1.5	1.2	0.593
3483261	Drill Core	0.94	50	0.3	4.649	0.9	13.1	0.022	1.7	9.0	<0.005	<0.1	0.2	3	3	0.3	109	<0.1	<0.5	1.7	0.052
3483262	Drill Core	0.92	84	0.3	4.799	0.9	15.9	0.023	1.6	6.6	<0.005	<0.1	0.2	3	1	0.3	99	<0.1	<0.5	2.0	0.047
3483263	Drill Core	1.11	44	0.3	5.185	0.6	14.8	0.021	3.2	7.1	<0.005	<0.1	0.2	4	1	0.3	60	<0.1	<0.5	1.5	0.044
3483264	Drill Core	1.18	68	0.6	5.280	1.0	19.3	0.025	3.2	5.5	<0.005	<0.1	0.2	5	2	0.4	73	<0.1	<0.5	2.6	0.049
3483265	Drill Core	1.76	65	0.7	5.720	1.9	43.4	0.043	4.0	8.0	<0.005	<0.1	0.2	10	2	0.5	69	0.2	<0.5	5.6	0.087
3483266	Drill Core	1.07	104	0.2	4.844	1.8	25.7	0.035	16.1	12.1	<0.005	0.1	0.3	5	3	0.5	113	0.2	1.1	3.3	0.081
3483267	Drill Core	1.21	92	0.4	5.028	1.5	46.1	0.041	15.6	20.7	<0.005	0.2	0.2	6	2	0.4	105	0.2	0.5	3.9	0.077
3483268	Drill Core	1.25	86	0.6	5.991	1.2	29.3	0.035	2.3	9.5	<0.005	<0.1	0.1	8	1	0.3	87	0.1	<0.5	5.4	0.063
3483269	Drill Core	0.89	57	0.5	5.822	0.6	13.4	0.031	1.7	3.9	<0.005	<0.1	0.1	4	2	0.2	78	<0.1	<0.5	2.7	0.034
3483270	Drill Core	1.40	109	1.9	6.500	1.5	24.2	0.038	2.3	4.9	<0.005	<0.1	0.1	7	2	0.4	95	0.2	0.9	6.3	0.072
3483271	Drill Core	1.34	92	0.5	5.951	1.4	32.3	0.034	1.8	5.6	<0.005	<0.1	0.1	5	2	0.4	88	0.1	<0.5	4.0	0.064
3483272	Drill Core	0.81	88	0.2	5.951	0.9	14.6	0.035	2.0	1.0	<0.005	<0.1	0.2	5	2	0.3	67	<0.1	<0.5	3.9	0.041
3483273	Drill Core	2.34	108	0.2	6.282	6.7	51.9	0.054	9.3	28.4	<0.005	0.2	0.3	14	2	1.0	103	0.6	<0.5	9.7	0.277
3483274	Drill Core	2.30	107	0.1	5.401	7.7	48.1	0.056	5.2	51.7	<0.005	0.2	0.2	12	2	1.5	108	0.7	0.6	9.7	0.297
3483275	Silica	0.03	37	<0.1	7.920	<0.1	0.3	<0.001	5.1	55.7	<0.005	<0.1	0.1	<1	3	<0.1	29	<0.1	<0.5	0.2	<0.001
3483276	Drill Core	2.29	126	0.2	5.523	6.6	49.5	0.047	6.5	38.2	<0.005	0.3	0.3	13	3	2.2	116	0.6	1.3	11.2	0.238
3483277	Drill Core	1.81	91	0.5	5.900	3.3	38.0	0.056	5.9	12.7	<0.005	0.1	0.2	11	2	0.6	102	0.4	0.8	7.1	0.147
3483278	Drill Core	2.61	113	<0.1	5.532	8.9	54.8	0.054	10.5	52.4	<0.005	0.2	0.2	13	3	1.3	96	0.8	0.7	12.4	0.294
3483279	Drill Core	2.36	122	<0.1	5.472	7.3	59.5	0.053	7.0	50.0	<0.005	0.2	0.3	13	2	1.3	115	0.6	<0.5	11.0	0.271
3483280	Rock Pulp	3.89	1853	2.5	2.085	18.2	132.4	0.175	5.0	20.0	<0.005	0.7	2.2	19	2	1.6	329	1.1	1.5	3.1	0.880
3483281	Drill Core	2.19	144	0.2	5.016	4.0	49.7	0.048	3.9	31.0	<0.005	0.1	0.2	10	<1	1.0	108	0.4	0.8	9.2	0.177
3483282	Drill Core	1.50	65	0.3	5.084	1.9	20.3	0.047	1.2	9.0	<0.005	<0.1	<0.1	6	1	0.5	79	0.2	<0.5	3.7	0.105

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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3571599	Drill Core	<0.5	2.0	33	0.6	8.2	6	48.6
3571600	Rock Pulp	<0.5	1.0	165	1.2	20.6	119	118.2
3483255	Drill Core	<0.5	0.4	46	0.5	3.4	3	72.3
3483256	Drill Core	<0.5	0.4	35	0.2	3.2	3	57.3
3483257	Drill Core	<0.5	0.4	36	0.1	2.7	3	38.2
3483258	Drill Core	<0.5	0.3	30	<0.1	2.3	3	34.1
3483259	Drill Core	<0.5	0.2	23	0.1	2.2	2	29.0
3483260	Rock Pulp	<0.5	0.3	273	5.5	20.6	87	49.4
3483261	Drill Core	<0.5	0.4	20	0.1	3.9	2	29.1
3483262	Drill Core	<0.5	1.0	21	0.3	5.1	3	35.5
3483263	Drill Core	<0.5	0.3	29	0.1	2.6	3	32.3
3483264	Drill Core	<0.5	0.6	31	0.2	4.3	5	50.4
3483265	Drill Core	<0.5	1.3	66	0.3	7.9	7	102.5
3483266	Drill Core	<0.5	1.2	25	0.3	9.1	3	39.0
3483267	Drill Core	<0.5	1.4	33	0.4	8.2	6	52.0
3483268	Drill Core	<0.5	1.6	54	0.6	7.3	3	82.0
3483269	Drill Core	<0.5	1.2	29	0.4	4.2	2	54.4
3483270	Drill Core	<0.5	2.8	50	0.6	10.0	3	108.5
3483271	Drill Core	<0.5	1.5	42	0.4	8.0	2	76.1
3483272	Drill Core	<0.5	3.0	37	0.5	8.2	1	95.0
3483273	Drill Core	<0.5	3.0	92	0.4	17.9	4	132.1
3483274	Drill Core	<0.5	2.4	88	0.3	13.7	4	121.1
3483275	Silica	0.7	0.2	<1	<0.1	1.5	2	16.3
3483276	Drill Core	<0.5	3.7	79	0.4	22.4	4	120.1
3483277	Drill Core	<0.5	2.3	70	0.4	14.6	4	113.9
3483278	Drill Core	<0.5	4.1	91	0.3	21.1	39	121.0
3483279	Drill Core	<0.5	2.9	89	0.3	18.3	10	125.1
3483280	Rock Pulp	<0.5	0.9	164	1.1	21.1	110	115.5
3483281	Drill Core	<0.5	3.1	68	0.4	18.1	12	105.8
3483282	Drill Core	<0.5	0.9	43	0.2	4.7	4	74.9

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	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3483283	Drill Core	4.25	<0.005	<0.1	5.78	6	187	1	<0.1	0.98	<0.1	17	2.5	26	5.7	0.72	1.7	<0.05	0.30	6.6	3.8
3483284	Drill Core	4.97	<0.005	<0.1	5.73	5	193	<1	<0.1	0.51	<0.1	15	3.1	19	8.9	0.67	1.1	<0.05	0.34	8.0	5.3
3483285	Drill Core	4.97	<0.005	<0.1	5.97	31	261	2	<0.1	0.69	<0.1	18	6.8	50	8.6	0.88	2.2	<0.05	0.52	8.6	7.5
3483286	Drill Core	4.66	<0.005	<0.1	6.20	23	361	1	<0.1	1.03	<0.1	38	6.1	46	6.8	1.15	2.5	<0.05	0.56	19.8	8.1
3483287	Drill Core	5.59	<0.005	<0.1	6.29	14	227	1	<0.1	0.99	<0.1	21	4.6	45	16.0	0.94	2.6	<0.05	0.44	9.9	6.4
3483288	Drill Core	6.23	<0.005	<0.1	5.41	22	147	2	<0.1	0.96	<0.1	17	4.9	30	11.9	0.69	1.6	<0.05	0.28	6.9	5.7
3483289	Drill Core	5.82	<0.005	<0.1	6.31	30	189	2	<0.1	1.43	<0.1	26	5.2	33	18.0	0.81	1.9	<0.05	0.35	11.7	5.6
3483290	Drill Core	4.96	0.006	<0.1	6.16	14	90	2	0.1	3.10	<0.1	19	5.2	48	12.2	1.81	1.8	<0.05	0.11	8.6	5.7
3483291	Drill Core	4.97	0.009	<0.1	6.29	4	75	2	<0.1	3.89	0.1	29	4.9	50	32.4	2.65	1.7	<0.05	0.10	14.2	7.8
3483292	Drill Core	5.20	<0.005	<0.1	6.99	32	172	3	<0.1	1.97	<0.1	35	6.8	50	3.3	0.87	3.2	<0.05	0.22	16.4	5.1
3483293	Drill Core	5.23	<0.005	<0.1	6.71	27	202	3	<0.1	1.03	<0.1	38	5.8	74	6.7	1.24	4.4	<0.05	0.45	15.9	7.8
3483294	Drill Core	3.22	2.080	<0.1	5.94	7	97	<1	0.2	1.00	<0.1	26	25.8	50	213.7	4.52	1.6	<0.05	0.13	13.3	6.8
3483295	Drill Core	4.01	1.040	<0.1	6.02	79	145	1	0.2	0.62	<0.1	25	53.1	35	24.0	1.20	1.7	<0.05	0.22	11.8	3.5
3483296	Drill Core	3.14	0.006	<0.1	5.04	8	218	2	<0.1	0.40	<0.1	16	3.9	37	2.3	1.38	1.6	<0.05	0.65	8.0	8.6
3483297	Drill Core	4.13	0.171	<0.1	6.08	8	101	2	<0.1	3.81	<0.1	89	29.9	70	103.0	5.15	1.9	0.09	0.12	46.3	6.8
3483298	Silica	0.19	<0.005	<0.1	8.93	1	20	<1	<0.1	0.16	<0.1	1	<0.2	2	<0.1	0.19	0.2	<0.05	4.10	0.5	24.9
3483299	Drill Core	3.15	<0.005	<0.1	5.61	13	201	2	<0.1	0.56	<0.1	27	4.8	38	6.3	1.04	1.9	<0.05	0.49	13.2	8.1
3483300	Rock Pulp	0.07	0.527	0.2	7.18	4	148	<1	<0.1	6.87	0.2	9	46.1	178	154.7	7.71	1.6	0.09	0.18	3.7	11.0

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 23, 2020

CERTIFICATE OF ANALYSIS TIM19002884.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3483283	Drill Core	1.33	72	0.7	5.333	1.4	20.2	0.025	1.2	5.7	<0.005	<0.1	0.1	6	2	0.3	99	0.1	<0.5	3.2	0.070
3483284	Drill Core	1.37	53	0.3	5.387	0.7	20.8	0.021	1.1	10.2	<0.005	<0.1	0.2	4	<1	0.3	94	<0.1	<0.5	2.7	0.041
3483285	Drill Core	1.40	87	0.5	5.315	1.1	43.4	0.043	1.4	15.6	<0.005	<0.1	0.1	7	<1	0.3	90	0.1	<0.5	3.8	0.064
3483286	Drill Core	1.48	115	0.4	5.083	1.4	41.5	0.056	2.1	23.1	<0.005	<0.1	0.2	8	<1	0.4	107	0.1	<0.5	4.9	0.083
3483287	Drill Core	1.55	89	1.0	5.541	1.3	36.0	0.041	2.0	13.4	<0.005	<0.1	0.2	8	<1	0.4	85	0.1	<0.5	4.3	0.075
3483288	Drill Core	1.27	95	0.7	5.318	1.2	40.5	0.033	1.4	5.4	<0.005	<0.1	0.2	5	<1	0.3	77	0.1	<0.5	2.6	0.064
3483289	Drill Core	1.37	130	2.3	5.270	1.1	36.9	0.032	1.6	12.9	<0.005	<0.1	0.1	7	1	0.2	79	0.1	0.5	4.4	0.056
3483290	Drill Core	1.59	321	0.3	4.552	0.5	31.4	0.030	2.7	2.5	<0.005	<0.1	0.5	11	<1	<0.1	87	<0.1	0.8	3.8	0.030
3483291	Drill Core	2.38	431	2.0	3.692	0.5	17.7	0.041	3.9	4.4	<0.005	0.2	0.3	15	<1	0.1	88	<0.1	0.7	3.8	0.030
3483292	Drill Core	1.18	169	3.5	5.991	1.3	31.7	0.042	1.6	5.0	0.005	<0.1	0.1	7	<1	0.3	80	0.1	<0.5	7.0	0.064
3483293	Drill Core	1.39	117	1.1	5.729	1.6	44.1	0.064	1.6	15.9	0.006	<0.1	0.2	9	<1	0.3	80	0.2	<0.5	8.1	0.093
3483294	Drill Core	1.64	197	2.1	4.055	1.9	36.7	0.040	8.7	3.4	<0.005	1.7	0.3	5	3	<0.1	43	0.2	<0.5	3.3	0.099
3483295	Drill Core	0.56	75	0.8	5.227	1.2	49.4	0.042	5.0	7.7	<0.005	0.2	0.4	3	1	0.1	65	0.1	<0.5	5.5	0.063
3483296	Drill Core	1.50	78	0.4	5.064	1.3	31.6	0.030	1.1	17.3	<0.005	<0.1	0.1	7	<1	0.2	54	0.1	<0.5	2.1	0.086
3483297	Drill Core	1.78	645	1.5	3.621	2.7	48.5	0.028	3.1	5.8	<0.005	0.9	0.3	15	1	0.1	86	0.3	0.9	5.0	0.115
3483298	Silica	0.03	35	0.1	7.901	<0.1	0.5	<0.001	4.8	59.9	<0.005	<0.1	<0.1	<1	<1	<0.1	29	<0.1	<0.5	0.2	<0.001
3483299	Drill Core	1.75	116	0.5	5.127	1.0	39.1	0.039	1.2	15.2	<0.005	<0.1	0.1	6	<1	0.1	75	0.1	<0.5	3.8	0.065
3483300	Rock Pulp	4.13	1469	0.5	2.223	3.3	96.6	0.043	2.9	3.6	<0.005	0.1	0.4	45	<1	0.7	115	0.2	1.8	0.4	0.683

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 23, 2020

CERTIFICATE OF ANALYSIS TIM19002884.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3483283	Drill Core	<0.5	0.9	33	0.2	5.6	3	60.1
3483284	Drill Core	<0.5	0.4	30	0.2	3.6	4	44.9
3483285	Drill Core	<0.5	0.8	59	0.3	4.5	5	81.2
3483286	Drill Core	<0.5	1.2	56	0.8	6.7	8	87.5
3483287	Drill Core	<0.5	1.4	55	0.5	6.6	5	89.1
3483288	Drill Core	<0.5	1.0	37	0.4	5.8	4	58.9
3483289	Drill Core	<0.5	1.5	42	0.4	8.7	4	72.9
3483290	Drill Core	<0.5	1.1	56	1.4	8.2	9	67.3
3483291	Drill Core	<0.5	1.7	91	1.4	14.1	16	56.7
3483292	Drill Core	<0.5	1.9	54	1.0	11.2	3	123.7
3483293	Drill Core	<0.5	2.7	67	0.9	13.1	6	161.1
3483294	Drill Core	<0.5	2.1	46	4.8	4.5	8	63.9
3483295	Drill Core	<0.5	26.8	26	1.7	6.1	3	64.8
3483296	Drill Core	<0.5	0.4	50	0.3	3.6	5	59.6
3483297	Drill Core	<0.5	1.9	65	5.8	13.7	13	67.5
3483298	Silica	0.7	0.1	<1	<0.1	1.4	3	12.4
3483299	Drill Core	<0.5	0.8	45	0.4	6.2	5	82.7
3483300	Rock Pulp	<0.5	<0.1	321	1.0	19.6	80	45.4

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Client: **MacDonald Mines Exploration Ltd.**
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Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 23, 2020

QUALITY CONTROL REPORT TIM19002884.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
Pulp Duplicates																					
3571592	Drill Core	6.07	<0.005	<0.1	3.64	<1	427	<1	<0.1	23.60	<0.1	37	10.0	44	12.8	2.11	2.0	<0.05	0.88	18.9	1.7
REP 3571592	QC			<0.1	3.60	<1	399	<1	<0.1	23.00	<0.1	35	10.9	45	12.7	2.06	1.8	<0.05	0.87	18.7	2.0
3483281	Drill Core	4.76	<0.005	<0.1	6.68	16	158	3	0.1	3.14	<0.1	47	10.2	52	15.4	1.45	3.2	<0.05	0.43	20.3	7.0
REP 3483281	QC			<0.1	6.82	17	171	2	<0.1	3.19	<0.1	47	11.4	61	17.3	1.49	3.3	<0.05	0.46	20.2	6.5
Core Reject Duplicates																					
3571576	Drill Core	5.58	0.012	<0.1	4.53	2	134	<1	<0.1	19.67	<0.1	41	13.3	62	2.7	2.86	2.1	<0.05	0.34	21.5	2.6
DUP 3571576	QC		0.011	<0.1	4.62	3	136	<1	<0.1	19.64	<0.1	39	13.4	59	2.8	2.85	2.2	<0.05	0.33	20.4	2.4
3483264	Drill Core	7.39	<0.005	<0.1	5.42	10	231	2	<0.1	0.58	<0.1	18	3.0	23	13.8	0.82	1.5	<0.05	0.32	8.3	5.4
DUP 3483264	QC		<0.005	<0.1	5.12	9	225	2	<0.1	0.57	<0.1	17	2.7	22	12.6	0.81	1.6	<0.05	0.31	7.3	6.0
Reference Materials																					
STD OREAS25A-4A	Standard			<0.1	8.57	9	151	<1	0.3	0.27	<0.1	43	7.6	114	33.1	6.34	4.0	0.08	0.45	19.6	36.3
STD OREAS25A-4A	Standard			<0.1	8.89	10	164	<1	0.4	0.29	<0.1	53	8.0	130	37.3	6.66	4.5	0.12	0.53	25.0	41.6
STD OREAS25A-4A	Standard			<0.1	8.79	10	151	<1	0.2	0.26	<0.1	41	7.4	117	34.2	6.44	3.9	0.07	0.47	19.4	39.4
STD OREAS45E	Standard			0.3	6.85	16	260	<1	0.2	0.06	<0.1	23	54.9	995	759.6	23.17	2.9	0.11	0.31	10.4	6.7
STD OREAS45H	Standard			0.1	8.14	17	363	<1	0.2	0.14	<0.1	26	91.1	677	792.6	20.03	3.4	0.12	0.24	14.1	14.5
STD OREAS45E	Standard			0.3	7.18	16	276	<1	0.2	0.06	<0.1	23	57.1	1077	808.6	25.02	2.9	0.08	0.34	10.9	7.5
STD OXC145	Standard		0.202																		
STD OXC145	Standard		0.209																		
STD OXC145	Standard		0.204																		
STD OXH139	Standard		1.258																		
STD OXH139	Standard		1.256																		
STD OXN134	Standard		7.583																		
STD OXN134	Standard		7.476																		
STD OXN134	Standard		7.574																		
STD OREAS45H Expected				0.147	7.99	16.9	332	1.09	0.17	0.135		23.6	88	602	767	19.52	3.6	0.1	0.205	12.4	13.1
STD OREAS25A-4A Expected					8.87	9.94	147	0.93	0.37	0.301		47.3	7.7	115	33.9	6.6	4.14	0.09	0.482	21.8	36.7
STD OREAS45E Expected				0.311	6.78	16.3	252		0.28	0.065	0.06	23.5	57	979	780	24.12	3.11	0.099	0.324	11	6.58
STD OXC145 Expected			0.212																		

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QUALITY CONTROL REPORT TIM19002884.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
Pulp Duplicates																					
3571592	Drill Core	0.94	446	0.6	1.656	4.2	31.2	0.028	31.5	27.6	<0.005	<0.1	0.5	8	<1	0.9	302	0.4	3.9	5.8	0.170
REP 3571592	QC	0.92	436	0.6	1.634	4.1	31.3	0.024	28.1	25.6	<0.005	<0.1	0.6	7	<1	0.8	271	0.3	5.4	5.4	0.163
3483281	Drill Core	2.19	144	0.2	5.016	4.0	49.7	0.048	3.9	31.0	<0.005	0.1	0.2	10	<1	1.0	108	0.4	0.8	9.2	0.177
REP 3483281	QC	2.24	147	<0.1	5.117	4.3	53.4	0.049	4.1	32.4	<0.005	0.1	0.2	11	1	1.0	118	0.4	0.7	9.3	0.187
Core Reject Duplicates																					
3571576	Drill Core	1.11	438	0.4	2.465	4.9	44.0	0.030	3.1	8.3	<0.005	<0.1	1.1	10	<1	1.1	209	0.4	2.7	6.9	0.207
DUP 3571576	QC	1.12	439	0.4	2.417	4.7	41.5	0.030	2.9	8.1	<0.005	<0.1	1.0	9	<1	1.1	202	0.4	3.6	6.4	0.202
3483264	Drill Core	1.18	68	0.6	5.280	1.0	19.3	0.025	3.2	5.5	<0.005	<0.1	0.2	5	2	0.4	73	<0.1	<0.5	2.6	0.049
DUP 3483264	QC	1.17	69	0.7	5.313	0.9	18.1	0.024	3.3	4.1	<0.005	<0.1	0.2	4	1	0.2	71	<0.1	<0.5	2.2	0.048
Reference Materials																					
STD OREAS25A-4A	Standard	0.33	468	2.1	0.132	18.5	44.4	0.046	23.2	53.7	<0.005	<0.1	0.6	11	3	3.6	42	1.4	<0.5	14.3	0.914
STD OREAS25A-4A	Standard	0.37	508	2.7	0.152	20.1	50.0	0.056	28.9	61.9	<0.005	<0.1	0.6	14	4	4.1	51	1.5	<0.5	17.4	0.866
STD OREAS25A-4A	Standard	0.36	481	2.3	0.132	19.1	45.6	0.049	23.2	55.8	<0.005	<0.1	0.6	12	3	3.9	42	1.4	<0.5	14.4	0.926
STD OREAS45E	Standard	0.16	568	2.4	0.054	6.1	473.9	0.036	18.3	21.1	<0.005	<0.1	1.0	91	2	1.1	16	0.5	<0.5	13.5	0.539
STD OREAS45H	Standard	0.25	405	1.6	0.083	13.8	447.8	0.023	13.0	22.3	<0.005	<0.1	0.6	59	2	2.0	29	1.0	<0.5	8.4	0.855
STD OREAS45E	Standard	0.17	595	1.9	0.058	5.7	474.5	0.035	17.9	21.3	<0.005	<0.1	1.0	93	3	1.2	16	0.5	<0.5	12.8	0.561
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OREAS45H Expected		0.238	380	1.55	0.09	14.8	423	0.023	11.9	22.5			0.63	57	2.02	1.93	27.1	1.08		7.26	0.878
STD OREAS25A-4A Expected		0.327	480	2.41	0.131	20.9	45.8	0.048	25.2	61		0.047	0.65	13.7	2.4	4.06	48.5	1.4		15.8	0.93
STD OREAS45E Expected		0.156	570	2.4	0.059	6.8	454	0.034	18.2	21.2		0.046	1	93	2.97	1.32	15.9	0.54	0.1	12.9	0.559
STD OXC145 Expected																					

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 23, 2020

QUALITY CONTROL REPORT TIM19002884.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
Pulp Duplicates								
3571592	Drill Core	<0.5	2.4	50	0.7	10.0	9	66.6
REP 3571592	QC	<0.5	2.2	49	0.7	9.4	7	62.1
3483281	Drill Core	<0.5	3.1	68	0.4	18.1	12	105.8
REP 3483281	QC	<0.5	3.1	71	0.6	17.5	14	113.5
Core Reject Duplicates								
3571576	Drill Core	<0.5	3.3	66	0.7	11.3	7	71.0
DUP 3571576	QC	<0.5	2.4	65	0.8	10.8	7	70.6
3483264	Drill Core	<0.5	0.6	31	0.2	4.3	5	50.4
DUP 3483264	QC	<0.5	0.7	32	0.2	3.8	5	50.8
Reference Materials								
STD OREAS25A-4A	Standard	<0.5	2.7	157	1.8	9.0	41	144.7
STD OREAS25A-4A	Standard	<0.5	3.2	160	2.0	11.0	52	158.2
STD OREAS25A-4A	Standard	<0.5	2.5	161	1.7	8.9	47	142.9
STD OREAS45E	Standard	<0.5	2.4	335	1.1	7.3	47	102.0
STD OREAS45H	Standard	<0.5	1.8	271	1.0	10.2	42	122.9
STD OREAS45E	Standard	<0.5	2.4	346	1.0	7.7	47	89.9
STD OXC145	Standard							
STD OXC145	Standard							
STD OXC145	Standard							
STD OXH139	Standard							
STD OXH139	Standard							
STD OXN134	Standard							
STD OXN134	Standard							
STD OXN134	Standard							
STD OREAS45H Expected			1.68	263	0.99	10.4	39.7	131
STD OREAS25A-4A Expected		0.35	2.94	157	2	10.5	44.4	155
STD OREAS45E Expected		0.15	2.41	322	1.07	8.28	46.7	97
STD OXC145 Expected								

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 23, 2020

QUALITY CONTROL REPORT TIM19002884.1

		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
STD OXN134 Expected			7.667																		
STD OXH139 Expected			1.312																		
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	1	0.1	<0.01	<0.1	<0.05	<0.01	<0.1	0.2
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	0.1
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
Prep Wash																					
ROCK-TIM	Prep Blank		<0.005	<0.1	6.66	1	803	<1	<0.1	1.52	<0.1	22	4.7	3	5.2	2.08	1.7	<0.05	1.49	11.0	2.0
ROCK-TIM	Prep Blank		<0.005	<0.1	6.84	1	748	<1	<0.1	1.55	<0.1	22	4.9	3	4.4	2.13	1.6	<0.05	1.54	10.5	1.8

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QUALITY CONTROL REPORT TIM19002884.1

		MA200 Mg % 0.01	MA200 Mn ppm 1	MA200 Mo ppm 0.1	MA200 Na % 0.001	MA200 Nb ppm 0.1	MA200 Ni ppm 0.1	MA200 P % 0.001	MA200 Pb ppm 0.1	MA200 Rb ppm 0.1	MA200 Re ppm 0.005	MA200 S % 0.1	MA200 Sb ppm 0.1	MA200 Sc ppm 1	MA200 Se ppm 1	MA200 Sn ppm 0.1	MA200 Sr ppm 1	MA200 Ta ppm 0.1	MA200 Te ppm 0.5	MA200 Th ppm 0.1	MA200 Ti % 0.001
STD OXN134 Expected																					
STD OXH139 Expected																					
BLK	Blank	<0.01	1	<0.1	0.002	<0.1	0.2	<0.001	<0.1	0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<1	<0.1	0.003	<0.1	<0.1	<0.001	<0.1	0.1	<0.005	<0.1	<0.1	<1	3	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.001	<0.1	0.1	<0.001	<0.1	0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-TIM	Prep Blank	0.58	679	0.7	3.496	5.2	1.5	0.042	2.4	27.6	<0.005	<0.1	0.1	7	<1	0.7	189	0.4	<0.5	2.9	0.202
ROCK-TIM	Prep Blank	0.59	691	0.9	3.524	5.2	1.5	0.040	2.2	27.7	<0.005	<0.1	0.1	7	1	0.6	172	0.4	<0.5	2.6	0.200

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QUALITY CONTROL REPORT TIM19002884.1

		MA200 Tl ppm 0.5	MA200 U ppm 0.1	MA200 V ppm 1	MA200 W ppm 0.1	MA200 Y ppm 0.1	MA200 Zn ppm 1	MA200 Zr ppm 0.1
STD OXN134 Expected								
STD OXH139 Expected								
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1
BLK	Blank							
BLK	Blank							
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	0.2
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
Prep Wash								
ROCK-TIM	Prep Blank	<0.5	1.1	39	0.3	14.1	37	50.3
ROCK-TIM	Prep Blank	<0.5	1.0	40	0.3	14.9	37	47.2

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By:	Quentin Yarie
Receiving Lab:	Canada-Timmins
Received:	December 16, 2019
Analysis Start:	January 10, 2020
Report Date:	January 30, 2020
Page:	1 of 4

CERTIFICATE OF ANALYSIS TIM19002885.1

CLIENT JOB INFORMATION

Project:	SPJ
Shipment ID:	
P.O. Number	
Number of Samples:	85

SAMPLE DISPOSAL

RTRN-PLP	Return After 90 days
RTRN-RJT	Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP85-500	81	Crush split and pulverize 250g of sample to 200mesh			TIM
SHP01	85	Per sample shipping charges for branch shipments			TIM
SLBHP	4	Sort, label and box pulps			TIM
FA450	85	50g Lead Collection Fire Assay Fusion - AAS Finish	50	Completed	TIM
EN002	85	Environmental disposal charge-Fire assay lead waste			TIM
MA200	85	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
EN001-MA	85	Environmental disposal fee - Multi-acid neutralization			VAN

ADDITIONAL COMMENTS

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC:

MAY LAI
Data Validation Specialist

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All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 30, 2020

CERTIFICATE OF ANALYSIS TIM19002885.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3572001	Drill Core	3.25	<0.005	<0.1	5.90	20	233	2	<0.1	0.85	<0.1	29	5.6	36	10.9	0.99	1.7	<0.05	0.49	14.1	6.6
3572002	Drill Core	4.17	0.484	<0.1	6.05	8	94	2	0.2	2.00	<0.1	42	22.4	66	202.7	5.10	2.2	<0.05	0.13	19.6	5.8
3572003	Drill Core	5.02	<0.005	<0.1	5.89	20	157	2	<0.1	0.98	<0.1	17	3.9	30	8.7	0.80	1.5	<0.05	0.30	8.3	5.1
3572004	Drill Core	4.29	<0.005	<0.1	6.28	19	209	2	<0.1	0.89	<0.1	21	5.2	34	5.3	0.92	1.6	<0.05	0.47	8.8	7.3
3572005	Drill Core	5.25	<0.005	<0.1	5.50	6	230	1	<0.1	0.52	<0.1	19	4.2	47	10.2	1.06	2.0	<0.05	0.53	9.2	6.9
3572006	Drill Core	5.54	<0.005	<0.1	5.35	7	211	1	<0.1	0.59	<0.1	15	3.6	33	3.1	0.87	1.5	<0.05	0.38	7.0	5.7
3572007	Drill Core	4.19	<0.005	<0.1	5.94	4	219	3	<0.1	0.66	<0.1	12	2.4	36	1.9	0.79	1.7	<0.05	0.46	5.3	6.7
3572008	Drill Core	5.60	<0.005	<0.1	5.73	4	270	3	<0.1	0.80	<0.1	33	2.8	25	2.7	0.72	1.3	<0.05	0.50	16.6	6.3
3572009	Drill Core	5.66	<0.005	<0.1	5.75	8	225	<1	<0.1	0.94	<0.1	17	5.3	23	7.0	0.76	1.2	<0.05	0.40	7.1	5.1
3572010	Drill Core	4.99	<0.005	<0.1	6.20	13	204	1	<0.1	1.58	<0.1	23	10.0	31	15.8	0.95	1.6	<0.05	0.42	9.5	5.4
3572011	Drill Core	5.02	<0.005	<0.1	5.81	13	235	2	<0.1	0.41	<0.1	26	7.8	58	7.3	1.16	2.5	<0.05	0.62	12.6	10.1
3572012	Drill Core	6.06	<0.005	<0.1	6.00	9	260	<1	<0.1	0.93	<0.1	28	5.1	44	6.5	0.91	1.8	<0.05	0.41	13.2	7.0
3572013	Drill Core	3.74	0.006	<0.1	6.30	3	131	2	<0.1	1.81	<0.1	20	1.7	75	9.3	1.26	3.2	<0.05	0.17	8.4	3.1
3572014	Drill Core	6.45	0.006	<0.1	6.39	31	178	2	<0.1	1.20	<0.1	30	6.4	50	4.9	1.01	2.8	<0.05	0.29	12.8	5.0
3572015	Drill Core	3.89	<0.005	<0.1	7.61	15	145	2	<0.1	1.75	<0.1	24	4.5	52	1.7	0.95	2.3	<0.05	0.18	9.7	3.3
3572016	Drill Core	4.22	0.008	<0.1	8.71	4	180	2	<0.1	1.86	<0.1	16	3.0	63	2.1	1.73	2.7	<0.05	0.22	6.7	4.7
3572017	Drill Core	6.23	<0.005	<0.1	8.67	24	275	2	<0.1	0.99	<0.1	33	6.4	45	9.2	1.22	2.7	<0.05	0.52	14.5	8.6
3572018	Drill Core	5.05	0.008	<0.1	5.96	7	203	2	<0.1	0.87	<0.1	23	3.4	46	3.0	1.14	2.5	<0.05	0.37	10.9	6.8
3572019	Drill Core	5.89	<0.005	<0.1	5.99	10	557	2	<0.1	0.75	<0.1	35	5.5	46	10.0	1.15	2.1	<0.05	0.67	18.7	9.4
3572020	Rock Pulp	0.07	5.220	1.0	6.28	25	242	<1	0.2	5.29	0.2	12	39.4	261	134.2	7.00	1.5	0.08	0.46	5.4	19.0
3572021	Drill Core	4.41	<0.005	<0.1	5.77	9	456	3	<0.1	0.71	<0.1	39	4.3	86	3.3	1.50	4.2	<0.05	0.80	18.6	12.6
3572022	Drill Core	4.75	0.155	<0.1	6.24	8	283	2	<0.1	0.66	<0.1	24	5.9	66	15.4	1.88	2.9	<0.05	0.50	11.9	8.1
3572023	Drill Core	5.63	<0.005	<0.1	5.64	12	204	<1	<0.1	0.98	<0.1	10	6.2	30	5.0	0.98	1.5	<0.05	0.34	4.7	5.8
3572024	Drill Core	5.54	<0.005	<0.1	5.46	17	217	1	<0.1	1.17	<0.1	16	6.8	30	12.6	0.83	1.6	<0.05	0.29	6.7	5.8
3572025	Silica	0.19	<0.005	<0.1	8.96	1	19	<1	<0.1	0.17	<0.1	1	<0.2	1	0.1	0.19	0.2	<0.05	3.36	0.6	25.2
3572026	Drill Core	5.75	<0.005	<0.1	5.82	9	233	1	<0.1	1.18	<0.1	20	4.4	34	6.2	0.84	1.6	<0.05	0.32	9.6	5.7
3572027	Drill Core	2.74	<0.005	<0.1	6.05	10	240	1	<0.1	1.11	<0.1	16	4.6	35	6.2	0.90	1.7	<0.05	0.41	7.2	6.6
3572028	Drill Core	3.54	<0.005	<0.1	5.95	4	211	1	<0.1	1.03	<0.1	14	2.8	32	2.6	0.92	1.4	<0.05	0.40	6.5	7.8
3572029	Drill Core	5.21	0.753	<0.1	5.74	6	201	2	<0.1	1.19	<0.1	17	5.1	54	17.8	2.85	2.0	0.05	0.30	7.9	6.2
3572030	Drill Core	3.93	6.980	<0.1	6.05	2	244	1	<0.1	1.12	<0.1	13	2.6	50	5.3	2.64	1.8	0.06	0.25	6.0	4.9

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CERTIFICATE OF ANALYSIS TIM19002885.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3572001	Drill Core	1.24	107	0.3	5.015	0.9	32.2	0.037	1.5	16.8	<0.005	<0.1	0.1	5	<1	0.2	91	<0.1	<0.5	3.9	0.059
3572002	Drill Core	1.79	332	1.9	4.093	1.9	49.6	0.042	23.7	4.0	<0.005	2.9	0.4	9	6	<0.1	70	0.2	<0.5	5.2	0.101
3572003	Drill Core	0.99	98	0.5	5.269	0.7	32.4	0.038	5.0	9.7	<0.005	<0.1	0.3	4	<1	0.1	80	<0.1	<0.5	2.8	0.043
3572004	Drill Core	1.39	82	0.5	5.216	0.9	38.9	0.042	2.8	15.3	<0.005	<0.1	0.2	7	<1	0.2	89	<0.1	<0.5	3.5	0.058
3572005	Drill Core	1.47	54	0.6	5.150	1.2	26.9	0.045	2.1	16.1	<0.005	<0.1	0.1	7	<1	0.2	74	0.1	<0.5	4.1	0.086
3572006	Drill Core	1.32	53	0.7	5.244	0.9	22.4	0.029	1.5	7.7	<0.005	<0.1	0.1	7	2	0.2	83	0.1	<0.5	2.5	0.060
3572007	Drill Core	1.41	48	0.8	5.013	0.9	20.9	0.038	1.3	18.8	<0.005	<0.1	<0.1	5	<1	0.2	100	<0.1	<0.5	3.3	0.064
3572008	Drill Core	1.25	54	0.3	4.856	0.9	18.6	0.032	1.5	24.4	<0.005	<0.1	0.1	4	<1	0.1	130	<0.1	<0.5	2.7	0.062
3572009	Drill Core	1.19	66	0.1	4.789	1.3	20.9	0.029	3.3	19.2	<0.005	<0.1	0.2	4	<1	0.3	131	0.1	0.5	2.2	0.071
3572010	Drill Core	1.40	84	0.1	5.019	2.1	25.2	0.037	4.3	23.2	<0.005	0.2	0.2	5	<1	0.4	139	0.2	<0.5	3.8	0.090
3572011	Drill Core	1.99	49	0.6	5.483	1.7	37.3	0.040	1.8	22.7	<0.005	<0.1	0.6	9	<1	0.2	71	0.2	<0.5	4.5	0.102
3572012	Drill Core	1.39	62	0.2	4.952	1.3	21.4	0.042	3.1	15.7	<0.005	<0.1	0.2	7	<1	0.3	122	0.1	<0.5	4.3	0.079
3572013	Drill Core	0.82	134	1.4	5.390	2.0	8.4	0.074	7.4	3.8	<0.005	<0.1	0.4	4	<1	0.2	77	0.2	<0.5	7.2	0.101
3572014	Drill Core	0.98	114	2.8	5.738	1.7	33.9	0.043	1.6	7.6	<0.005	<0.1	0.2	5	<1	0.4	103	0.2	<0.5	5.9	0.074
3572015	Drill Core	0.93	169	2.3	5.958	1.8	14.3	0.054	1.5	3.5	<0.005	<0.1	0.2	5	1	0.2	93	0.2	<0.5	5.0	0.070
3572016	Drill Core	0.86	203	1.4	5.712	3.9	17.5	0.054	1.2	4.8	<0.005	<0.1	0.2	4	<1	0.3	78	0.4	<0.5	6.5	0.148
3572017	Drill Core	1.55	119	0.9	5.100	1.6	35.3	0.046	1.3	21.4	<0.005	<0.1	0.2	7	<1	0.6	99	0.2	<0.5	5.1	0.079
3572018	Drill Core	1.19	106	1.0	5.284	2.1	19.6	0.058	4.3	10.7	<0.005	<0.1	0.2	5	<1	0.1	85	0.2	<0.5	4.5	0.109
3572019	Drill Core	1.55	79	0.4	4.979	1.4	28.9	0.043	2.5	24.1	<0.005	<0.1	0.2	7	<1	0.2	122	0.1	<0.5	3.9	0.090
3572020	Rock Pulp	4.00	1248	2.8	1.936	3.3	119.5	0.040	16.8	14.6	<0.005	0.4	0.4	31	<1	0.6	109	0.2	1.2	1.1	0.555
3572021	Drill Core	1.91	98	1.0	4.941	1.5	33.4	0.096	1.7	23.8	<0.005	<0.1	0.1	11	<1	0.3	72	0.2	0.7	6.6	0.112
3572022	Drill Core	1.30	99	2.6	5.310	2.1	19.6	0.052	2.5	17.0	<0.005	<0.1	0.3	7	<1	0.2	88	0.2	<0.5	4.7	0.119
3572023	Drill Core	1.27	105	0.3	4.956	0.6	20.8	0.041	1.5	10.0	<0.005	<0.1	0.1	5	<1	<0.1	102	<0.1	<0.5	3.1	0.049
3572024	Drill Core	1.23	111	0.2	4.863	0.7	20.7	0.039	1.4	8.7	<0.005	<0.1	<0.1	5	<1	<0.1	116	<0.1	<0.5	3.1	0.044
3572025	Silica	0.03	35	0.1	7.913	<0.1	0.3	<0.001	4.8	55.6	<0.005	<0.1	0.2	<1	<1	<0.1	30	<0.1	<0.5	0.1	<0.001
3572026	Drill Core	1.29	121	0.1	4.928	0.7	19.5	0.039	2.0	10.7	<0.005	<0.1	0.3	5	<1	<0.1	125	<0.1	<0.5	3.5	0.043
3572027	Drill Core	1.40	105	0.1	5.025	0.7	20.0	0.039	3.9	16.8	<0.005	<0.1	0.2	6	<1	<0.1	136	<0.1	<0.5	3.4	0.056
3572028	Drill Core	1.41	89	0.1	5.043	0.8	19.4	0.036	2.1	14.2	<0.005	<0.1	0.1	6	<1	<0.1	130	<0.1	<0.5	3.3	0.061
3572029	Drill Core	1.44	165	1.6	4.382	2.0	17.9	0.048	1.7	10.6	<0.005	0.2	0.2	6	<1	0.2	92	0.2	<0.5	3.5	0.099
3572030	Drill Core	0.89	169	0.4	4.677	3.2	13.7	0.046	1.1	8.8	<0.005	<0.1	0.2	5	<1	0.2	97	0.3	<0.5	3.4	0.128

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 30, 2020

CERTIFICATE OF ANALYSIS TIM19002885.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3572001	Drill Core	<0.5	0.9	38	0.4	4.5	4	59.1
3572002	Drill Core	1.9	2.0	50	3.6	8.3	14	84.5
3572003	Drill Core	<0.5	1.6	29	0.6	5.2	4	53.5
3572004	Drill Core	<0.5	0.9	48	0.2	5.6	4	58.5
3572005	Drill Core	<0.5	0.7	51	0.2	3.5	4	71.5
3572006	Drill Core	<0.5	0.6	44	0.2	3.9	4	54.1
3572007	Drill Core	<0.5	0.9	38	0.3	4.7	3	56.9
3572008	Drill Core	<0.5	0.7	29	0.1	5.4	4	45.7
3572009	Drill Core	<0.5	0.7	29	0.2	5.1	3	42.3
3572010	Drill Core	<0.5	1.2	43	0.2	7.7	4	62.4
3572011	Drill Core	<0.5	0.6	63	0.2	5.9	5	92.8
3572012	Drill Core	<0.5	0.9	42	0.3	5.4	4	62.5
3572013	Drill Core	<0.5	1.9	40	4.3	8.4	6	122.8
3572014	Drill Core	<0.5	2.2	51	1.3	9.2	6	112.2
3572015	Drill Core	<0.5	2.4	48	1.9	9.5	4	86.9
3572016	Drill Core	<0.5	2.6	38	7.3	7.5	7	106.1
3572017	Drill Core	<0.5	1.4	47	0.5	8.2	6	98.3
3572018	Drill Core	<0.5	1.1	43	3.2	5.9	6	95.8
3572019	Drill Core	<0.5	0.8	50	0.4	5.3	6	73.1
3572020	Rock Pulp	<0.5	0.2	262	5.5	18.3	82	48.8
3572021	Drill Core	<0.5	1.3	77	0.5	7.9	6	168.3
3572022	Drill Core	<0.5	2.3	55	1.6	7.3	7	95.9
3572023	Drill Core	<0.5	0.7	34	0.2	4.2	4	55.4
3572024	Drill Core	<0.5	0.5	30	0.2	4.9	4	58.8
3572025	Silica	0.7	0.1	<1	<0.1	1.3	2	13.6
3572026	Drill Core	<0.5	0.7	30	0.2	5.0	4	62.6
3572027	Drill Core	<0.5	0.8	34	0.3	5.0	4	58.3
3572028	Drill Core	<0.5	0.8	34	0.3	4.7	4	55.9
3572029	Drill Core	<0.5	1.0	44	1.8	5.8	7	69.4
3572030	Drill Core	<0.5	1.3	35	2.0	5.5	5	70.5

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 30, 2020

CERTIFICATE OF ANALYSIS TIM19002885.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3572031	Drill Core	3.85	6.888	0.2	6.26	548	243	1	1.2	0.93	<0.1	23	10.6	49	27.1	3.98	1.7	<0.05	0.32	12.3	6.5
3572032	Drill Core	5.06	1.256	<0.1	5.92	6	305	2	<0.1	0.99	<0.1	67	2.6	36	4.4	1.56	1.6	<0.05	0.31	33.7	5.0
3572033	Drill Core	5.68	<0.005	<0.1	5.97	6	257	2	<0.1	0.64	<0.1	17	2.7	39	3.6	1.48	1.6	<0.05	0.36	8.1	5.1
3572034	Drill Core	4.00	>10	0.2	6.92	690	220	2	0.7	1.92	<0.1	28	26.5	56	221.1	7.79	2.6	0.11	0.23	12.9	13.0
3572035	Drill Core	3.66	8.365	<0.1	6.10	3	160	1	0.5	0.85	<0.1	12	6.9	59	81.2	3.39	2.2	<0.05	0.18	5.1	5.5
3572036	Drill Core	4.72	0.008	<0.1	5.77	7	252	2	<0.1	0.73	<0.1	55	5.0	37	8.9	1.18	2.0	<0.05	0.39	26.1	6.4
3572037	Drill Core	3.73	<0.005	<0.1	5.71	9	232	1	<0.1	0.45	<0.1	10	3.9	31	6.2	1.00	1.8	<0.05	0.38	4.6	6.5
3572038	Drill Core	6.20	<0.005	<0.1	5.72	8	209	1	<0.1	0.82	<0.1	14	3.9	29	12.9	0.79	1.4	<0.05	0.34	6.1	5.1
3572039	Drill Core	6.46	<0.005	<0.1	5.94	7	206	1	<0.1	1.01	<0.1	15	5.6	29	14.5	0.88	1.5	<0.05	0.39	6.9	6.4
3572040	Rock Pulp	0.07	1.539	0.3	7.16	934	370	<1	<0.1	5.71	<0.1	37	41.4	195	81.9	8.55	3.1	0.08	0.64	20.3	9.4
3572041	Drill Core	5.27	<0.005	<0.1	6.54	15	200	2	<0.1	1.31	<0.1	24	10.8	46	60.2	1.27	3.0	<0.05	0.45	10.5	7.3
3572042	Drill Core	6.26	<0.005	<0.1	5.69	12	273	1	<0.1	0.42	<0.1	33	6.9	42	16.5	1.22	3.1	<0.05	0.72	16.7	10.3
3572043	Drill Core	6.59	<0.005	<0.1	5.83	13	256	2	<0.1	0.49	<0.1	38	10.3	46	22.2	1.35	2.8	<0.05	0.67	18.5	10.2
3572044	Drill Core	6.74	<0.005	<0.1	5.66	9	202	1	<0.1	0.44	<0.1	28	7.5	36	11.6	1.05	2.0	<0.05	0.46	13.1	6.9
3572045	Drill Core	5.15	<0.005	<0.1	5.33	8	250	2	<0.1	0.37	<0.1	32	9.8	60	18.7	1.20	3.2	<0.05	0.48	16.1	8.3
3572241	Drill Core	4.39	<0.005	<0.1	6.47	11	172	2	<0.1	0.69	<0.1	12	3.2	26	2.5	0.73	1.9	<0.05	0.57	5.3	8.3
3572242	Drill Core	6.85	<0.005	<0.1	5.90	6	146	1	<0.1	0.60	<0.1	33	5.4	18	4.3	0.83	1.1	<0.05	0.40	14.2	7.9
3572243	Drill Core	4.77	<0.005	<0.1	5.52	15	240	1	<0.1	0.48	<0.1	33	11.7	42	21.0	1.33	2.8	<0.05	0.62	15.9	10.9
3572244	Drill Core	5.19	<0.005	<0.1	5.99	5	172	2	<0.1	0.49	<0.1	37	4.0	23	5.6	0.85	1.3	<0.05	0.39	17.5	7.1
3572245	Drill Core	4.65	<0.005	<0.1	5.96	14	175	1	<0.1	0.71	<0.1	35	4.8	36	14.8	0.83	1.7	<0.05	0.50	16.3	8.3
3572246	Drill Core	4.30	<0.005	<0.1	6.07	13	94	2	<0.1	0.87	<0.1	31	2.8	30	13.0	0.59	2.1	<0.05	0.32	14.4	5.1
3572247	Drill Core	6.46	<0.005	<0.1	5.93	9	175	2	<0.1	0.92	<0.1	32	3.8	34	14.8	0.83	1.7	<0.05	0.52	14.2	8.7
3572248	Drill Core	6.14	<0.005	<0.1	5.81	6	220	1	<0.1	0.55	<0.1	36	2.9	39	12.0	0.91	1.8	<0.05	0.64	16.4	10.4
3572249	Drill Core	4.22	<0.005	<0.1	5.75	7	229	1	<0.1	0.60	<0.1	23	3.5	39	6.0	0.91	1.9	<0.05	0.58	10.5	11.1
3572250	Silica	0.20	<0.005	<0.1	7.59	<1	15	<1	<0.1	0.14	<0.1	<1	<0.2	<1	0.7	0.18	0.2	<0.05	3.91	0.3	22.4
3572251	Drill Core	4.56	<0.005	<0.1	5.86	8	201	1	<0.1	0.76	<0.1	29	4.9	31	14.6	0.78	1.3	<0.05	0.40	12.4	6.9
3572252	Drill Core	4.95	<0.005	<0.1	5.31	5	165	1	<0.1	1.20	<0.1	38	4.1	17	3.7	0.55	1.0	<0.05	0.31	17.5	4.8
3572253	Drill Core	5.88	<0.005	<0.1	5.52	4	191	1	<0.1	0.64	<0.1	35	5.0	22	3.3	0.78	1.2	<0.05	0.38	17.2	6.5
3572254	Drill Core	6.63	<0.005	<0.1	5.15	9	208	1	<0.1	0.35	<0.1	11	9.8	51	2.0	0.95	3.0	<0.05	0.47	4.8	10.5
3572255	Drill Core	4.60	<0.005	<0.1	5.36	4	192	2	<0.1	0.33	<0.1	9	6.7	44	1.2	1.02	2.2	<0.05	0.48	3.8	10.6

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CERTIFICATE OF ANALYSIS TIM19002885.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3572031	Drill Core	1.30	173	0.6	4.609	2.4	16.3	0.058	3.8	12.7	<0.005	0.6	0.3	6	1	0.3	71	0.2	1.6	3.2	0.109
3572032	Drill Core	0.97	106	0.6	4.984	1.5	17.8	0.039	1.2	10.5	<0.005	<0.1	0.2	5	<1	0.2	109	0.1	<0.5	3.2	0.075
3572033	Drill Core	1.08	72	0.5	4.964	1.2	17.9	0.037	1.1	12.2	<0.005	<0.1	0.1	5	<1	0.2	92	0.1	<0.5	3.0	0.075
3572034	Drill Core	3.47	512	2.3	3.304	3.4	30.4	0.064	10.1	6.9	<0.005	2.0	0.7	10	4	1.7	64	0.3	0.9	6.2	0.155
3572035	Drill Core	1.14	156	3.1	4.673	2.6	12.0	0.050	4.3	4.2	0.005	0.8	0.3	4	1	1.5	48	0.2	0.6	3.8	0.112
3572036	Drill Core	1.30	74	0.2	4.921	1.0	19.9	0.040	1.2	13.7	<0.005	<0.1	0.1	6	<1	0.1	104	<0.1	<0.5	4.0	0.067
3572037	Drill Core	1.50	59	0.3	5.232	0.7	22.7	0.039	0.9	10.7	<0.005	<0.1	0.1	7	<1	0.1	84	<0.1	<0.5	3.0	0.051
3572038	Drill Core	1.24	78	0.3	4.861	0.7	18.6	0.034	1.3	10.6	<0.005	<0.1	<0.1	5	<1	0.1	105	<0.1	<0.5	3.1	0.049
3572039	Drill Core	1.30	76	0.5	4.980	1.1	23.2	0.031	1.8	14.1	<0.005	<0.1	0.2	6	<1	0.2	107	<0.1	<0.5	2.7	0.077
3572040	Rock Pulp	3.97	2027	2.4	2.125	18.4	138.4	0.179	4.8	21.0	<0.005	0.7	2.3	19	<1	1.7	368	1.0	1.1	3.2	0.942
3572041	Drill Core	1.53	90	4.4	6.162	1.7	70.8	0.059	8.2	12.1	<0.005	0.2	0.6	8	<1	0.2	89	0.1	<0.5	5.4	0.076
3572042	Drill Core	1.97	51	0.8	4.718	1.3	36.8	0.047	1.9	35.5	<0.005	<0.1	0.1	6	<1	0.1	91	0.1	<0.5	6.1	0.083
3572043	Drill Core	1.96	52	0.5	5.182	2.2	41.4	0.071	4.9	27.3	<0.005	0.1	0.3	8	<1	0.2	75	0.2	<0.5	5.5	0.101
3572044	Drill Core	1.70	42	0.3	4.837	0.9	24.3	0.041	2.7	20.1	<0.005	<0.1	0.2	6	1	0.2	93	<0.1	<0.5	4.2	0.064
3572045	Drill Core	1.67	38	0.5	4.695	1.5	27.1	0.067	3.8	19.0	<0.005	0.1	0.2	7	<1	0.1	89	0.2	<0.5	5.4	0.084
3572241	Drill Core	1.29	81	0.4	5.868	0.8	24.9	0.033	1.5	17.9	<0.005	<0.1	0.1	6	<1	<0.1	102	<0.1	<0.5	3.9	0.054
3572242	Drill Core	1.29	67	0.2	4.933	0.5	20.5	0.031	1.6	11.9	<0.005	<0.1	0.1	4	<1	<0.1	114	<0.1	<0.5	2.2	0.040
3572243	Drill Core	1.93	52	0.5	5.120	1.8	41.3	0.060	5.2	19.6	<0.005	0.1	0.2	7	<1	0.2	69	0.2	<0.5	5.1	0.090
3572244	Drill Core	1.29	49	0.2	5.158	0.5	18.3	0.028	1.6	10.9	<0.005	<0.1	0.1	6	<1	0.1	121	<0.1	<0.5	2.9	0.043
3572245	Drill Core	1.30	57	0.2	5.018	0.8	23.9	0.053	1.8	16.9	<0.005	<0.1	0.1	6	<1	0.1	122	<0.1	<0.5	4.0	0.057
3572246	Drill Core	0.98	119	0.3	5.457	0.7	13.9	0.062	1.8	5.8	<0.005	<0.1	0.3	5	<1	<0.1	70	<0.1	<0.5	4.6	0.037
3572247	Drill Core	1.41	79	0.2	4.841	0.9	20.4	0.042	2.9	18.5	<0.005	<0.1	0.2	7	<1	0.2	121	<0.1	<0.5	3.6	0.053
3572248	Drill Core	1.66	63	0.3	5.058	1.3	22.0	0.041	2.2	24.6	<0.005	<0.1	0.2	8	<1	0.3	108	0.1	<0.5	4.0	0.075
3572249	Drill Core	1.59	60	0.5	4.996	1.3	26.5	0.046	2.2	20.8	<0.005	<0.1	0.1	9	<1	0.2	120	0.1	<0.5	4.1	0.071
3572250	Silica	0.02	34	<0.1	7.467	0.2	0.5	<0.001	4.7	53.7	<0.005	<0.1	<0.1	<1	<1	<0.1	25	<0.1	<0.5	0.2	<0.001
3572251	Drill Core	1.15	55	0.3	4.869	1.1	21.7	0.040	2.1	10.3	<0.005	<0.1	0.3	6	<1	0.3	123	0.1	<0.5	3.5	0.058
3572252	Drill Core	0.73	87	0.3	4.560	0.6	11.7	0.029	1.6	8.8	<0.005	<0.1	0.2	4	<1	0.2	114	<0.1	<0.5	2.7	0.034
3572253	Drill Core	1.10	48	0.2	4.658	0.7	16.8	0.024	1.5	12.8	<0.005	<0.1	0.1	4	<1	0.2	116	<0.1	<0.5	2.6	0.047
3572254	Drill Core	1.44	33	0.4	5.053	1.1	24.1	0.061	1.7	8.4	<0.005	<0.1	0.1	7	<1	0.2	100	0.1	<0.5	4.4	0.058
3572255	Drill Core	1.52	34	0.3	5.033	1.2	23.3	0.038	1.4	11.8	<0.005	<0.1	0.2	7	<1	0.2	91	0.1	<0.5	3.3	0.070

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 30, 2020

CERTIFICATE OF ANALYSIS TIM19002885.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3572031	Drill Core	<0.5	1.5	43	2.6	5.5	7	63.7
3572032	Drill Core	<0.5	0.7	37	0.9	8.6	6	62.3
3572033	Drill Core	<0.5	0.8	38	0.7	5.0	5	56.5
3572034	Drill Core	<0.5	2.6	78	6.3	9.7	9	95.3
3572035	Drill Core	<0.5	1.5	37	4.9	4.8	4	78.8
3572036	Drill Core	<0.5	0.9	35	0.3	5.7	4	69.0
3572037	Drill Core	<0.5	0.6	45	0.2	3.4	3	66.1
3572038	Drill Core	<0.5	0.7	32	0.2	4.6	2	52.4
3572039	Drill Core	<0.5	0.9	35	0.2	4.8	5	51.7
3572040	Rock Pulp	<0.5	0.9	161	1.3	21.8	112	119.6
3572041	Drill Core	<0.5	1.7	60	0.3	9.7	22	113.1
3572042	Drill Core	<0.5	1.1	45	0.2	6.6	5	117.8
3572043	Drill Core	<0.5	1.3	55	0.2	8.5	8	119.3
3572044	Drill Core	<0.5	0.8	39	0.3	5.0	3	69.8
3572045	Drill Core	<0.5	1.0	48	0.2	5.5	11	113.0
3572241	Drill Core	<0.5	1.1	47	0.3	4.7	4	75.2
3572242	Drill Core	<0.5	0.7	28	0.1	5.1	4	37.7
3572243	Drill Core	<0.5	1.1	54	0.2	8.5	8	105.5
3572244	Drill Core	<0.5	0.8	33	0.1	4.8	5	47.8
3572245	Drill Core	<0.5	0.8	44	0.2	4.8	4	64.2
3572246	Drill Core	<0.5	1.0	36	0.3	5.7	31	74.3
3572247	Drill Core	<0.5	0.9	38	0.3	6.5	5	62.3
3572248	Drill Core	<0.5	0.8	56	0.3	5.3	5	63.2
3572249	Drill Core	<0.5	1.1	50	0.2	5.5	6	63.4
3572250	Silica	0.7	<0.1	<1	<0.1	1.1	3	10.1
3572251	Drill Core	<0.5	0.9	36	0.3	4.5	7	47.1
3572252	Drill Core	<0.5	1.1	21	0.4	5.5	6	37.7
3572253	Drill Core	<0.5	1.0	29	0.2	4.3	3	42.0
3572254	Drill Core	<0.5	0.8	47	0.1	4.5	3	117.4
3572255	Drill Core	<0.5	0.8	46	0.2	4.6	4	77.8

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 30, 2020

CERTIFICATE OF ANALYSIS TIM19002885.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3572256	Drill Core	4.90	<0.005	<0.1	5.85	31	156	2	<0.1	0.50	<0.1	74	7.3	34	3.7	1.02	1.9	<0.05	0.39	36.3	11.6
3572257	Drill Core	4.91	<0.005	<0.1	5.33	9	179	2	<0.1	0.41	<0.1	25	5.8	21	6.1	0.88	1.5	<0.05	0.48	11.5	8.9
3572258	Drill Core	6.11	<0.005	<0.1	5.69	6	148	2	<0.1	0.31	<0.1	14	4.0	26	2.6	0.83	1.8	<0.05	0.55	5.8	7.4
3572259	Drill Core	3.40	<0.005	<0.1	4.10	1	85	<1	<0.1	1.21	<0.1	34	1.6	13	3.5	0.63	1.0	<0.05	0.26	17.2	5.1
3572260	Rock Pulp	0.07	5.208	0.9	6.19	25	227	<1	0.2	5.44	0.1	13	40.6	262	135.4	6.79	1.6	0.06	0.48	5.6	17.7
3572261	Drill Core	5.61	<0.005	<0.1	6.71	3	85	<1	<0.1	3.22	<0.1	70	2.7	34	8.5	0.74	2.1	<0.05	0.30	34.4	5.6
3572262	Drill Core	5.16	<0.005	<0.1	5.88	4	86	2	<0.1	1.11	<0.1	26	2.1	32	3.4	0.53	2.3	<0.05	0.31	12.7	5.4
3572263	Drill Core	6.35	<0.005	<0.1	5.89	6	191	1	<0.1	0.67	<0.1	29	4.3	27	7.2	0.88	1.7	<0.05	0.56	14.1	10.3
3572264	Drill Core	6.56	<0.005	<0.1	5.48	13	207	2	<0.1	0.60	<0.1	22	10.1	39	7.8	1.04	2.2	<0.05	0.66	9.9	13.6
3572265	Drill Core	4.63	<0.005	<0.1	5.88	12	190	2	<0.1	0.32	<0.1	68	9.8	62	10.2	1.24	3.4	<0.05	0.82	31.1	14.3
3572266	Drill Core	3.94	<0.005	<0.1	5.62	9	169	1	<0.1	1.20	<0.1	21	6.5	39	12.4	1.04	2.3	<0.05	0.51	9.6	13.8
3572267	Drill Core	5.93	<0.005	<0.1	5.98	12	199	2	<0.1	0.82	<0.1	51	6.4	53	28.5	1.21	2.6	<0.05	0.83	23.3	13.7
3572268	Drill Core	5.15	<0.005	<0.1	6.54	17	129	2	<0.1	1.27	<0.1	69	4.6	53	2.3	0.69	3.1	<0.05	0.45	33.0	9.6
3572269	Drill Core	5.01	<0.005	<0.1	6.40	30	163	3	<0.1	1.09	<0.1	125	6.9	56	11.9	0.90	3.4	<0.05	0.67	59.8	12.4
3572270	Drill Core	6.20	<0.005	<0.1	6.20	26	172	2	<0.1	1.02	0.2	98	8.1	49	34.8	1.02	3.0	<0.05	0.68	47.6	12.3
3572271	Drill Core	5.52	<0.005	<0.1	6.05	24	149	2	<0.1	0.72	<0.1	71	5.9	34	16.1	0.78	1.9	<0.05	0.52	31.7	11.7
3572272	Drill Core	5.97	<0.005	<0.1	5.75	10	179	1	<0.1	0.97	<0.1	48	5.1	29	11.6	0.82	1.4	<0.05	0.47	23.3	11.8
3572273	Drill Core	6.44	<0.005	<0.1	5.37	14	148	1	<0.1	0.36	<0.1	90	8.3	52	31.6	0.99	4.2	<0.05	0.59	39.4	12.4
3572274	Drill Core	3.26	<0.005	<0.1	5.53	9	189	2	<0.1	0.41	0.2	52	11.9	62	52.6	1.49	4.4	<0.05	0.85	23.0	13.2
3572275	Silica	0.20	<0.005	<0.1	8.44	1	16	<1	<0.1	0.15	0.1	1	<0.2	1	<0.1	0.18	0.2	<0.05	2.77	0.6	21.9
3572276	Drill Core	6.01	<0.005	<0.1	6.33	12	154	2	<0.1	2.00	<0.1	66	13.0	47	56.3	1.07	2.6	<0.05	0.43	29.7	7.1
3572277	Drill Core	5.97	<0.005	<0.1	6.79	10	154	2	<0.1	2.30	<0.1	35	9.4	59	49.1	1.19	3.1	<0.05	0.46	16.6	8.6
3572278	Drill Core	4.28	0.006	<0.1	7.09	12	127	2	<0.1	2.99	<0.1	42	10.6	52	77.0	1.09	2.9	<0.05	0.36	20.0	7.0
3572279	Drill Core	6.40	0.011	<0.1	8.72	20	199	2	<0.1	1.32	<0.1	81	15.4	66	154.0	1.33	2.9	<0.05	0.87	38.0	12.7
3572280	Rock Pulp	0.07	1.527	0.3	7.19	778	347	<1	<0.1	5.90	<0.1	37	41.6	201	80.1	8.63	3.0	0.07	0.66	20.0	8.5

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 30, 2020

CERTIFICATE OF ANALYSIS TIM19002885.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3572256	Drill Core	1.33	49	0.6	4.810	1.6	22.6	0.041	1.3	9.3	<0.005	<0.1	0.2	6	<1	0.3	96	0.2	<0.5	3.7	0.081
3572257	Drill Core	1.23	43	0.2	4.702	1.2	22.1	0.026	1.3	14.9	<0.005	<0.1	0.1	4	<1	0.2	93	0.1	<0.5	2.7	0.062
3572258	Drill Core	1.23	41	1.1	5.437	1.2	22.5	0.027	1.1	15.3	<0.005	<0.1	0.1	6	<1	0.3	77	0.1	<0.5	2.6	0.070
3572259	Drill Core	0.89	102	0.3	3.087	0.5	7.7	0.020	1.2	9.8	<0.005	<0.1	0.1	5	<1	0.2	63	<0.1	<0.5	2.6	0.028
3572260	Rock Pulp	3.95	1241	3.0	1.903	3.5	118.1	0.042	16.8	14.6	<0.005	0.4	0.4	34	<1	0.5	114	0.2	1.2	1.1	0.583
3572261	Drill Core	1.47	263	0.7	5.354	1.1	9.2	0.050	4.6	5.4	<0.005	<0.1	0.2	6	2	0.1	83	<0.1	<0.5	4.0	0.051
3572262	Drill Core	0.65	78	0.4	5.324	1.2	9.0	0.041	1.9	5.4	<0.005	<0.1	0.1	4	<1	0.3	78	0.1	<0.5	4.2	0.058
3572263	Drill Core	1.26	61	0.2	4.673	1.4	18.6	0.034	1.8	19.2	<0.005	<0.1	0.2	5	<1	0.2	111	0.1	<0.5	3.4	0.078
3572264	Drill Core	1.57	63	0.9	4.606	2.0	26.1	0.041	2.4	19.9	<0.005	<0.1	0.2	7	<1	0.4	115	0.2	<0.5	4.3	0.100
3572265	Drill Core	1.91	43	2.1	5.458	2.0	38.1	0.047	3.4	32.5	<0.005	<0.1	0.2	10	<1	2.8	86	0.2	<0.5	6.2	0.105
3572266	Drill Core	1.74	71	0.2	4.376	1.3	26.6	0.035	1.9	20.7	<0.005	<0.1	0.2	6	<1	0.2	106	0.1	<0.5	4.3	0.074
3572267	Drill Core	1.94	65	0.5	4.894	2.1	36.2	0.049	2.3	31.2	<0.005	<0.1	0.2	9	<1	0.3	93	0.2	<0.5	5.9	0.108
3572268	Drill Core	1.27	67	0.4	6.052	2.4	23.0	0.062	2.0	13.3	<0.005	<0.1	0.1	8	<1	0.4	87	0.2	<0.5	8.0	0.111
3572269	Drill Core	1.62	64	1.0	5.736	1.9	36.1	0.046	3.0	19.8	<0.005	<0.1	0.2	9	<1	0.3	88	0.2	<0.5	8.4	0.098
3572270	Drill Core	1.55	59	0.5	5.173	1.8	35.5	0.051	5.4	30.8	<0.005	0.2	0.3	8	<1	0.3	115	0.2	<0.5	6.7	0.089
3572271	Drill Core	1.31	48	0.5	5.365	1.5	32.8	0.035	1.8	18.4	<0.005	<0.1	0.2	7	<1	0.4	96	0.1	<0.5	5.0	0.073
3572272	Drill Core	1.35	54	0.5	4.621	1.1	27.4	0.032	4.9	18.3	<0.005	<0.1	0.3	6	<1	0.2	104	0.1	<0.5	3.6	0.059
3572273	Drill Core	1.38	34	3.0	5.001	1.7	37.0	0.060	13.4	18.4	<0.005	0.2	0.2	7	<1	0.3	69	0.2	<0.5	7.1	0.085
3572274	Drill Core	1.71	47	0.7	4.830	2.1	37.7	0.057	25.5	31.9	<0.005	0.4	0.2	8	<1	0.4	81	0.2	<0.5	7.4	0.110
3572275	Silica	0.03	30	0.1	7.536	<0.1	0.4	<0.001	4.7	42.8	<0.005	<0.1	<0.1	<1	1	<0.1	25	<0.1	<0.5	0.1	<0.001
3572276	Drill Core	1.49	96	0.3	5.409	2.3	26.1	0.063	14.0	18.5	<0.005	0.2	0.3	9	<1	0.8	110	0.2	0.5	6.3	0.112
3572277	Drill Core	1.94	117	0.3	5.343	3.3	27.0	0.050	6.9	21.4	<0.005	0.1	0.3	10	2	0.8	106	0.3	0.7	7.2	0.139
3572278	Drill Core	1.81	149	0.3	5.772	2.9	31.1	0.051	9.9	14.7	<0.005	0.1	0.3	11	<1	1.0	106	0.3	0.9	7.1	0.123
3572279	Drill Core	1.80	88	0.8	5.436	3.0	47.4	0.052	20.7	44.5	<0.005	0.1	0.3	11	1	1.1	93	0.3	<0.5	8.2	0.156
3572280	Rock Pulp	3.98	2034	2.4	2.086	18.6	135.2	0.175	4.7	20.7	<0.005	0.8	2.5	18	2	1.7	369	1.0	1.6	3.1	0.992

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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3572256	Drill Core	<0.5	1.0	36	0.3	6.5	4	74.2
3572257	Drill Core	<0.5	1.0	34	0.3	4.1	4	52.5
3572258	Drill Core	<0.5	0.7	43	0.4	3.3	2	67.7
3572259	Drill Core	<0.5	1.2	26	0.3	4.5	2	35.5
3572260	Rock Pulp	<0.5	0.3	265	5.4	20.7	88	48.4
3572261	Drill Core	<0.5	2.1	32	0.8	12.9	4	73.9
3572262	Drill Core	<0.5	3.2	32	0.7	4.6	2	82.1
3572263	Drill Core	<0.5	1.2	31	0.3	5.2	4	57.6
3572264	Drill Core	<0.5	1.5	43	0.5	5.5	4	77.0
3572265	Drill Core	<0.5	2.0	82	0.4	7.4	4	112.4
3572266	Drill Core	<0.5	1.3	37	0.5	7.2	5	82.1
3572267	Drill Core	<0.5	1.8	75	1.0	9.3	6	93.5
3572268	Drill Core	<0.5	2.8	82	1.6	10.3	2	109.7
3572269	Drill Core	<0.5	1.9	93	0.8	8.0	3	118.8
3572270	Drill Core	<0.5	1.3	66	0.6	7.5	33	106.9
3572271	Drill Core	<0.5	1.0	58	0.5	5.3	3	65.0
3572272	Drill Core	<0.5	0.8	42	0.5	5.5	21	50.1
3572273	Drill Core	<0.5	1.2	61	0.8	5.6	55	138.0
3572274	Drill Core	<0.5	1.5	72	0.7	6.0	127	149.7
3572275	Silica	0.7	<0.1	<1	<0.1	1.2	2	7.2
3572276	Drill Core	<0.5	2.4	43	1.7	11.5	54	86.0
3572277	Drill Core	<0.5	3.0	55	2.1	13.8	17	114.5
3572278	Drill Core	<0.5	3.8	50	3.4	17.0	9	98.9
3572279	Drill Core	<0.5	2.2	78	1.3	10.8	15	105.9
3572280	Rock Pulp	<0.5	0.9	168	1.2	20.8	120	123.4

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Bureau Veritas Commodities Canada Ltd.

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 30, 2020

QUALITY CONTROL REPORT TIM19002885.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
Pulp Duplicates																					
3572036	Drill Core	4.72	0.008	<0.1	5.77	7	252	2	<0.1	0.73	<0.1	55	5.0	37	8.9	1.18	2.0	<0.05	0.39	26.1	6.4
REP 3572036	QC		0.008																		
3572245	Drill Core	4.65	<0.005	<0.1	5.96	14	175	1	<0.1	0.71	<0.1	35	4.8	36	14.8	0.83	1.7	<0.05	0.50	16.3	8.3
REP 3572245	QC			<0.1	5.95	15	191	2	<0.1	0.71	<0.1	36	4.9	38	14.8	0.87	1.8	<0.05	0.53	16.0	8.3
3572255	Drill Core	4.60	<0.005	<0.1	5.36	4	192	2	<0.1	0.33	<0.1	9	6.7	44	1.2	1.02	2.2	<0.05	0.48	3.8	10.6
REP 3572255	QC		<0.005																		
3572279	Drill Core	6.40	0.011	<0.1	8.72	20	199	2	<0.1	1.32	<0.1	81	15.4	66	154.0	1.33	2.9	<0.05	0.87	38.0	12.7
REP 3572279	QC			<0.1	8.45	23	201	3	<0.1	1.29	<0.1	74	16.4	68	147.1	1.32	2.8	<0.05	0.87	36.1	13.4
Core Reject Duplicates																					
3572027	Drill Core	2.74	<0.005	<0.1	6.05	10	240	1	<0.1	1.11	<0.1	16	4.6	35	6.2	0.90	1.7	<0.05	0.41	7.2	6.6
DUP 3572027	QC		<0.005	<0.1	5.69	8	226	1	<0.1	1.08	<0.1	14	3.9	35	5.6	0.90	1.6	<0.05	0.41	6.5	7.7
3572256	Drill Core	4.90	<0.005	<0.1	5.85	31	156	2	<0.1	0.50	<0.1	74	7.3	34	3.7	1.02	1.9	<0.05	0.39	36.3	11.6
DUP 3572256	QC		<0.005	<0.1	5.33	29	148	2	<0.1	0.49	<0.1	68	7.7	34	3.6	1.00	1.9	<0.05	0.37	30.1	10.6
Reference Materials																					
STD OREAS25A-4A	Standard			<0.1	8.77	10	164	1	0.2	0.28	<0.1	48	8.0	120	36.4	6.42	3.9	0.12	0.52	21.7	40.0
STD OREAS25A-4A	Standard			<0.1	8.79	10	151	<1	0.2	0.26	<0.1	41	7.4	117	34.2	6.44	3.9	0.07	0.47	19.4	39.4
STD OREAS25A-4A	Standard			<0.1	8.23	9	134	1	0.2	0.24	<0.1	42	7.3	109	33.1	6.26	4.0	0.06	0.47	17.2	37.1
STD OREAS25A-4A	Standard			<0.1	9.25	11	161	<1	0.4	0.29	<0.1	52	8.4	121	35.2	6.83	4.4	0.09	0.53	25.1	41.1
STD OREAS45H	Standard			0.2	8.25	16	366	2	<0.1	0.14	<0.1	25	88.0	681	791.4	19.85	3.3	0.07	0.20	14.2	14.7
STD OREAS45E	Standard			0.3	7.18	16	276	<1	0.2	0.06	<0.1	23	57.1	1077	808.6	25.02	2.9	0.08	0.34	10.9	7.5
STD OREAS45E	Standard			0.3	7.14	17	255	<1	0.2	0.06	<0.1	26	58.5	971	779.1	23.56	3.1	0.10	0.32	11.8	7.4
STD OREAS45E	Standard			0.3	6.99	16	248	<1	0.3	0.06	<0.1	24	59.3	1064	782.6	23.81	2.7	0.09	0.34	11.0	6.5
STD OXC145	Standard		0.200																		
STD OXC145	Standard		0.203																		
STD OXC145	Standard		0.200																		
STD OXH139	Standard		1.323																		
STD OXH139	Standard		1.282																		
STD OXH139	Standard		1.285																		

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 30, 2020

QUALITY CONTROL REPORT TIM19002885.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
Pulp Duplicates																					
3572036	Drill Core	1.30	74	0.2	4.921	1.0	19.9	0.040	1.2	13.7	<0.005	<0.1	0.1	6	<1	0.1	104	<0.1	<0.5	4.0	0.067
REP 3572036	QC																				
3572245	Drill Core	1.30	57	0.2	5.018	0.8	23.9	0.053	1.8	16.9	<0.005	<0.1	0.1	6	<1	0.1	122	<0.1	<0.5	4.0	0.057
REP 3572245	QC	1.32	65	0.2	4.970	0.9	26.0	0.051	1.9	18.1	<0.005	<0.1	0.1	7	<1	0.2	127	<0.1	<0.5	4.1	0.060
3572255	Drill Core	1.52	34	0.3	5.033	1.2	23.3	0.038	1.4	11.8	<0.005	<0.1	0.2	7	<1	0.2	91	0.1	<0.5	3.3	0.070
REP 3572255	QC																				
3572279	Drill Core	1.80	88	0.8	5.436	3.0	47.4	0.052	20.7	44.5	<0.005	0.1	0.3	11	1	1.1	93	0.3	<0.5	8.2	0.156
REP 3572279	QC	1.81	86	0.6	5.317	2.8	45.5	0.053	18.4	41.6	<0.005	0.1	0.2	11	<1	0.8	93	0.3	<0.5	8.1	0.148
Core Reject Duplicates																					
3572027	Drill Core	1.40	105	0.1	5.025	0.7	20.0	0.039	3.9	16.8	<0.005	<0.1	0.2	6	<1	<0.1	136	<0.1	<0.5	3.4	0.056
DUP 3572027	QC	1.34	98	<0.1	4.921	0.8	18.8	0.035	3.0	14.2	<0.005	<0.1	0.1	6	<1	<0.1	128	<0.1	<0.5	3.0	0.056
3572256	Drill Core	1.33	49	0.6	4.810	1.6	22.6	0.041	1.3	9.3	<0.005	<0.1	0.2	6	<1	0.3	96	0.2	<0.5	3.7	0.081
DUP 3572256	QC	1.33	47	0.3	4.856	1.6	22.7	0.042	1.3	7.3	<0.005	<0.1	0.2	6	<1	0.2	87	0.2	<0.5	3.3	0.081
Reference Materials																					
STD OREAS25A-4A	Standard	0.38	484	2.3	0.153	18.8	47.9	0.051	25.1	63.1	<0.005	<0.1	0.6	13	3	4.2	47	1.4	<0.5	15.7	0.874
STD OREAS25A-4A	Standard	0.36	481	2.3	0.132	19.1	45.6	0.049	23.2	55.8	<0.005	<0.1	0.6	12	3	3.9	42	1.4	<0.5	14.4	0.926
STD OREAS25A-4A	Standard	0.33	469	2.5	0.138	17.8	43.0	0.046	22.8	51.6	<0.005	<0.1	0.5	12	2	3.4	45	1.3	<0.5	13.5	0.894
STD OREAS25A-4A	Standard	0.34	505	2.7	0.141	22.1	48.9	0.050	26.4	66.8	<0.005	<0.1	0.7	13	4	4.4	53	1.5	<0.5	17.4	0.948
STD OREAS45H	Standard	0.28	413	1.2	0.100	13.2	459.9	0.022	13.4	23.6	<0.005	<0.1	0.6	58	1	2.0	30	0.9	<0.5	7.7	0.888
STD OREAS45E	Standard	0.17	595	1.9	0.058	5.7	474.5	0.035	17.9	21.3	<0.005	<0.1	1.0	93	3	1.2	16	0.5	<0.5	12.8	0.561
STD OREAS45E	Standard	0.17	583	2.2	0.069	5.9	479.3	0.032	18.0	21.0	<0.005	<0.1	0.9	95	3	1.4	17	0.5	<0.5	13.4	0.568
STD OREAS45E	Standard	0.15	579	2.3	0.052	6.0	476.6	0.034	17.5	21.5	<0.005	<0.1	1.1	90	3	1.3	16	0.5	<0.5	13.1	0.563
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 30, 2020

QUALITY CONTROL REPORT TIM19002885.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
Pulp Duplicates								
3572036	Drill Core	<0.5	0.9	35	0.3	5.7	4	69.0
REP 3572036	QC							
3572245	Drill Core	<0.5	0.8	44	0.2	4.8	4	64.2
REP 3572245	QC	<0.5	0.9	46	0.3	5.6	4	70.3
3572255	Drill Core	<0.5	0.8	46	0.2	4.6	4	77.8
REP 3572255	QC							
3572279	Drill Core	<0.5	2.2	78	1.3	10.8	15	105.9
REP 3572279	QC	<0.5	2.1	77	1.2	10.3	18	104.7
Core Reject Duplicates								
3572027	Drill Core	<0.5	0.8	34	0.3	5.0	4	58.3
DUP 3572027	QC	<0.5	0.7	33	0.3	4.4	4	57.9
3572256	Drill Core	<0.5	1.0	36	0.3	6.5	4	74.2
DUP 3572256	QC	<0.5	0.9	36	0.3	6.1	5	73.8
Reference Materials								
STD OREAS25A-4A	Standard	<0.5	2.8	150	1.8	9.4	48	157.0
STD OREAS25A-4A	Standard	<0.5	2.5	161	1.7	8.9	47	142.9
STD OREAS25A-4A	Standard	<0.5	2.7	158	1.8	8.7	40	145.4
STD OREAS25A-4A	Standard	<0.5	3.0	159	2.1	11.6	51	164.7
STD OREAS45H	Standard	<0.5	1.6	288	0.9	10.2	39	116.8
STD OREAS45E	Standard	<0.5	2.4	346	1.0	7.7	47	89.9
STD OREAS45E	Standard	<0.5	2.5	339	1.1	7.9	45	96.9
STD OREAS45E	Standard	<0.5	2.4	336	0.9	7.5	48	90.6
STD OXC145	Standard							
STD OXC145	Standard							
STD OXC145	Standard							
STD OXH139	Standard							
STD OXH139	Standard							
STD OXH139	Standard							

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Project: SPJ
Report Date: January 30, 2020

QUALITY CONTROL REPORT TIM19002885.1

		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
STD OXN134	Standard		7.629																		
STD OXN134	Standard		7.376																		
STD OREAS45H Expected				0.147	7.99	16.9	332	1.09	0.17	0.135		23.6	88	602	767	19.52	3.6	0.1	0.205	12.4	13.1
STD OREAS25A-4A Expected					8.87	9.94	147	0.93	0.37	0.301		47.3	7.7	115	33.9	6.6	4.14	0.09	0.482	21.8	36.7
STD OREAS45E Expected				0.311	6.78	16.3	252		0.28	0.065	0.06	23.5	57	979	780	24.12	3.11	0.099	0.324	11	6.58
STD OXC145 Expected			0.212																		
STD OXN134 Expected			7.667																		
STD OXH139 Expected			1.312																		
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	2	0.2	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
Prep Wash																					
ROCK-TIM	Prep Blank		<0.005	<0.1	6.95	2	881	<1	<0.1	1.55	<0.1	23	4.3	3	4.6	2.17	1.6	<0.05	1.60	12.9	2.2
ROCK-TIM	Prep Blank		<0.005	<0.1	6.96	1	824	<1	<0.1	1.53	<0.1	22	4.6	3	4.0	2.13	1.5	<0.05	1.49	12.1	1.8

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Project: SPJ
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QUALITY CONTROL REPORT TIM19002885.1

		MA200 Mg % 0.01	MA200 Mn ppm 1	MA200 Mo ppm 0.1	MA200 Na % 0.001	MA200 Nb ppm 0.1	MA200 Ni ppm 0.1	MA200 P % 0.001	MA200 Pb ppm 0.1	MA200 Rb ppm 0.1	MA200 Re ppm 0.005	MA200 S % 0.1	MA200 Sb ppm 0.1	MA200 Sc ppm 1	MA200 Se ppm 1	MA200 Sn ppm 0.1	MA200 Sr ppm 1	MA200 Ta ppm 0.1	MA200 Te ppm 0.5	MA200 Th ppm 0.1	MA200 Ti % 0.001
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OREAS45H Expected		0.238	380	1.55	0.09	14.8	423	0.023	11.9	22.5			0.63	57	2.02	1.93	27.1	1.08		7.26	0.878
STD OREAS25A-4A Expected		0.327	480	2.41	0.131	20.9	45.8	0.048	25.2	61		0.047	0.65	13.7	2.4	4.06	48.5	1.4		15.8	0.93
STD OREAS45E Expected		0.156	570	2.4	0.059	6.8	454	0.034	18.2	21.2		0.046	1	93	2.97	1.32	15.9	0.54	0.1	12.9	0.559
STD OXC145 Expected																					
STD OXN134 Expected																					
STD OXH139 Expected																					
BLK	Blank	<0.01	<1	<0.1	0.003	<0.1	0.1	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.001	<0.1	0.1	<0.001	<0.1	0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.002	<0.1	0.1	<0.001	0.2	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.002	<0.1	<0.1	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-TIM	Prep Blank	0.57	688	0.6	3.553	5.4	1.4	0.045	2.3	29.4	<0.005	<0.1	<0.1	7	1	0.7	198	0.4	<0.5	2.6	0.212
ROCK-TIM	Prep Blank	0.56	683	0.8	3.547	5.1	1.4	0.042	2.3	29.4	<0.005	<0.1	<0.1	6	<1	0.5	197	0.4	<0.5	2.7	0.206

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BUREAU VERITAS
MINERAL LABORATORIES
Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 30, 2020

QUALITY CONTROL REPORT TIM19002885.1

		MA200 Tl ppm 0.5	MA200 U ppm 0.1	MA200 V ppm 1	MA200 W ppm 0.1	MA200 Y ppm 0.1	MA200 Zn ppm 1	MA200 Zr ppm 0.1
STD OXN134	Standard							
STD OXN134	Standard							
STD OREAS45H Expected			1.68	263	0.99	10.4	39.7	131
STD OREAS25A-4A Expected		0.35	2.94	157	2	10.5	44.4	155
STD OREAS45E Expected		0.15	2.41	322	1.07	8.28	46.7	97
STD OXC145 Expected								
STD OXN134 Expected								
STD OXH139 Expected								
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	0.1
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	0.2
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	0.3
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
Prep Wash								
ROCK-TIM	Prep Blank	<0.5	1.1	38	0.3	15.2	38	49.5
ROCK-TIM	Prep Blank	<0.5	1.1	38	0.2	15.6	33	48.1

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By:	Quentin Yarie
Receiving Lab:	Canada-Timmins
Received:	January 29, 2020
Analysis Start:	January 30, 2020
Report Date:	February 04, 2020
Page:	1 of 2

CERTIFICATE OF ANALYSIS TIM19002885M.1

CLIENT JOB INFORMATION

Project:	SPJ
Shipment ID:	
P.O. Number	
Number of Samples:	1

SAMPLE DISPOSAL

RTRN-PLP	Return After 90 days
RTRN-RJT	Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PUL85	1	Pulverize to 85% passing 200 mesh			TIM
SPTRF	1	Split samples by riffle splitter			TIM
FS652	1	Metallic Sieve 1 kg to 150 mesh - save + and - fraction			TIM
FS652	1	Metallic Fire Assay - duplicate minus fraction analysis	50	Completed	TIM

ADDITIONAL COMMENTS

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC:

MAY LAI
Data Validation Specialist

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All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: February 04, 2020

CERTIFICATE OF ANALYSIS TIM19002885M.1

	Method	M150 1kg	FA450	FA450	FS652	FS652	FS652
	Analyte	TotWt	-Au	-Au + Au Wt		+ Au	Au Total
	Unit	g	gm/t	gm/t	g	gm/t	gm/t
	MDL	1	0.005	0.005	0.01	0.05	0.05
3572034	Drill Core	872	58.06	71.59	45.21	184.80	71.05

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: February 04, 2020

QUALITY CONTROL REPORT TIM19002885M.1

	Method	M150 1kg	FA450	FA450	FS652	FS652	FS652
	Analyte	TotWt	-Au	-Au	+ Au Wt	+ Au	Au Total
	Unit	g	gm/t	gm/t	g	gm/t	gm/t
	MDL	1	0.005	0.005	0.01	0.05	0.05
Reference Materials							
STD OXC145	Standard		0.208				
STD OXC145	Standard			0.209			
STD OXH139	Standard		1.302				
STD OXH139	Standard			1.279			
STD OXN134	Standard			7.600			
STD OXQ90	Standard				49.61	24.27	
STD OXQ90 Expected						24.88	
BLK	Blank		<0.005				
BLK	Blank		<0.005				
BLK	Blank			<0.005			
BLK	Blank			0.008			
BLK	Blank				50.00	<0.05	
Prep Wash							
ROCK-TIM	Prep Blank	861	<0.005	<0.005	46.84	<0.05	<0.05

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By:	Quentin Yarie
Receiving Lab:	Canada-Timmins
Received:	December 16, 2019
Analysis Start:	January 13, 2020
Report Date:	January 22, 2020
Page:	1 of 4

CERTIFICATE OF ANALYSIS TIM19002907.1

CLIENT JOB INFORMATION

Project:	SPJ
Shipment ID:	
P.O. Number	
Number of Samples:	77

SAMPLE DISPOSAL

RTRN-PLP	Return After 90 days
RTRN-RJT	Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP85-500	74	Crush split and pulverize 250g of sample to 200mesh			TIM
SHP01	77	Per sample shipping charges for branch shipments			TIM
SLBHP	3	Sort, label and box pulps			TIM
FA450	77	50g Lead Collection Fire Assay Fusion - AAS Finish	50	Completed	TIM
EN002	77	Environmental disposal charge-Fire assay lead waste			TIM
MA200	77	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
EN001-MA	77	Environmental disposal fee - Multi-acid neutralization			VAN

ADDITIONAL COMMENTS

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC:

MAY LAI
Data Validation Specialist

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"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

BUREAU VERITAS MINERAL LABORATORIES Canada

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 22, 2020

CERTIFICATE OF ANALYSIS TIM19002907.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3572342	Drill Core	5.48	0.014	<0.1	7.02	23	126	1	0.1	2.50	<0.1	51	34.3	91	2.8	2.33	3.6	<0.05	0.67	22.8	8.0
3572343	Drill Core	5.77	<0.005	<0.1	6.39	2	341	2	<0.1	0.98	<0.1	52	14.2	103	1.6	4.43	3.5	<0.05	1.76	23.8	17.1
3572344	Drill Core	5.62	<0.005	<0.1	6.59	2	361	2	<0.1	1.03	<0.1	41	11.8	103	2.5	4.12	3.5	<0.05	2.08	18.0	18.3
3572345	Drill Core	5.42	0.024	<0.1	6.58	6	277	2	0.3	1.47	<0.1	48	24.6	113	3.4	3.52	3.6	0.05	1.60	23.0	15.3
3572346	Drill Core	5.46	<0.005	<0.1	7.19	2	36	<1	<0.1	2.16	<0.1	23	6.0	73	2.6	1.36	2.9	0.05	0.22	10.3	3.6
3572347	Drill Core	4.31	<0.005	<0.1	6.91	4	38	<1	<0.1	2.20	<0.1	19	6.5	68	2.4	1.36	3.0	<0.05	0.22	8.8	3.0
3572348	Drill Core	4.42	0.041	<0.1	4.94	20	16	<1	0.2	5.90	<0.1	35	15.4	37	3.6	1.73	2.4	<0.05	0.08	17.5	1.9
3572349	Drill Core	4.40	0.014	<0.1	2.55	6	29	<1	<0.1	13.43	<0.1	23	5.5	26	4.5	1.98	1.2	<0.05	1.02	12.6	11.3
3572350	Silica	0.21	<0.005	<0.1	7.20	<1	16	<1	<0.1	0.14	<0.1	<1	<0.2	<1	0.3	0.16	0.2	<0.05	3.98	0.4	24.7
3572351	Drill Core	6.13	0.018	<0.1	2.29	3	47	<1	<0.1	24.39	<0.1	23	7.3	31	13.3	1.81	1.1	0.06	0.30	12.9	4.1
3572352	Drill Core	5.52	0.040	0.2	4.22	2	68	<1	<0.1	16.65	<0.1	23	7.5	44	2.9	1.64	2.0	0.06	0.60	10.9	5.8
3572353	Drill Core	5.35	0.022	<0.1	4.35	4	73	<1	<0.1	13.54	<0.1	29	8.8	43	6.3	1.78	2.1	0.05	0.76	13.4	7.1
3572354	Drill Core	4.89	0.018	<0.1	4.32	8	79	1	0.3	10.31	<0.1	31	34.6	51	96.0	3.42	2.0	<0.05	0.95	13.7	10.5
3572355	Drill Core	5.42	0.018	<0.1	5.55	8	81	<1	0.2	8.69	<0.1	35	15.1	61	106.9	2.29	2.6	<0.05	0.74	16.0	7.1
3572356	Drill Core	5.97	<0.005	<0.1	5.25	4	89	<1	<0.1	11.83	<0.1	34	9.2	57	12.3	2.14	2.3	<0.05	0.76	15.7	11.3
3572357	Drill Core	5.95	0.015	<0.1	5.29	30	58	1	0.1	10.24	<0.1	31	18.7	59	5.4	2.30	2.4	<0.05	0.47	13.2	7.0
3572358	Drill Core	5.63	<0.005	<0.1	3.16	3	50	<1	<0.1	18.16	<0.1	29	7.0	32	4.8	1.37	1.5	<0.05	0.54	15.9	6.9
3572359	Drill Core	5.80	0.025	<0.1	3.29	32	45	<1	0.2	16.17	<0.1	62	16.4	42	29.5	2.52	1.7	0.08	0.53	33.2	8.6
3572360	Rock Pulp	0.07	1.526	0.2	7.28	757	342	1	<0.1	5.40	<0.1	36	42.6	203	83.0	8.35	3.1	0.08	0.66	19.9	8.0
3572361	Drill Core	5.51	0.560	<0.1	3.18	6	30	<1	<0.1	22.45	<0.1	29	7.7	39	5.7	1.35	1.8	0.11	0.21	14.8	3.8
3572362	Drill Core	5.69	0.017	<0.1	3.39	3	49	<1	<0.1	18.68	<0.1	40	7.2	33	9.9	1.68	1.8	0.10	0.50	21.6	10.8
3572363	Drill Core	5.17	0.013	<0.1	3.75	2	67	<1	<0.1	19.82	<0.1	56	11.8	38	31.9	2.01	1.9	0.10	0.71	30.6	11.9
3572364	Drill Core	4.55	0.011	<0.1	4.63	2	105	1	<0.1	14.48	<0.1	32	15.4	54	7.4	2.21	2.3	0.05	1.09	15.8	14.5
3572365	Drill Core	5.53	<0.005	<0.1	4.30	4	64	1	<0.1	15.04	<0.1	60	9.8	50	4.8	2.09	2.1	<0.05	1.02	30.1	14.8
3572366	Drill Core	3.48	0.008	<0.1	5.05	2	93	1	<0.1	8.73	<0.1	38	8.3	69	4.3	3.12	2.3	0.10	0.98	20.3	16.6
3572367	Drill Core	4.68	0.018	<0.1	4.10	25	42	<1	0.2	10.07	<0.1	32	14.4	54	11.1	3.17	1.9	<0.05	0.46	16.2	9.4
3572368	Drill Core	5.40	0.009	<0.1	3.40	8	32	1	<0.1	12.23	<0.1	37	9.0	42	3.3	3.35	1.8	0.09	0.35	18.8	6.9
3572369	Drill Core	5.38	0.006	<0.1	4.33	7	42	<1	<0.1	10.44	<0.1	31	9.4	51	8.9	3.21	1.9	<0.05	0.50	15.2	10.7
3572370	Drill Core	6.22	0.005	<0.1	3.86	5	20	<1	<0.1	13.58	<0.1	69	7.4	45	3.3	2.80	1.9	0.05	0.28	37.3	5.2
3572371	Drill Core	4.88	0.044	<0.1	4.13	10	29	<1	<0.1	10.61	<0.1	29	10.0	54	6.0	2.98	2.0	0.05	0.29	13.6	8.9

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 22, 2020

CERTIFICATE OF ANALYSIS TIM19002907.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3572342	Drill Core	2.10	192	0.1	5.879	2.2	52.7	0.052	1.6	30.9	<0.005	0.6	0.5	15	<1	1.1	67	0.2	0.9	10.4	0.128
3572343	Drill Core	2.73	87	<0.1	4.703	3.2	70.5	0.055	1.1	93.2	<0.005	0.1	0.3	16	<1	1.4	53	0.3	0.8	9.1	0.223
3572344	Drill Core	2.77	79	<0.1	4.706	4.8	74.6	0.053	1.0	109.6	<0.005	<0.1	0.3	17	<1	2.2	48	0.4	<0.5	10.0	0.283
3572345	Drill Core	2.54	112	0.7	4.971	5.7	72.6	0.056	1.2	82.1	<0.005	0.2	0.4	17	<1	2.0	40	0.6	<0.5	8.8	0.331
3572346	Drill Core	1.64	291	0.1	6.957	4.4	11.9	0.035	0.7	2.0	<0.005	<0.1	0.6	7	<1	1.0	31	0.4	0.7	6.8	0.185
3572347	Drill Core	1.61	293	0.2	6.629	3.4	9.1	0.040	0.8	1.6	<0.005	<0.1	0.5	7	<1	0.9	32	0.3	<0.5	6.0	0.141
3572348	Drill Core	3.14	469	0.5	4.113	2.4	20.0	0.045	0.9	1.9	<0.005	0.4	0.6	6	1	0.5	53	0.2	<0.5	6.2	0.078
3572349	Drill Core	7.28	1801	0.2	1.358	2.0	17.8	0.016	0.3	18.3	<0.005	<0.1	<0.1	5	<1	1.1	34	0.2	3.5	3.7	0.087
3572350	Silica	0.03	36	0.1	8.120	<0.1	0.9	<0.001	4.7	58.4	<0.005	<0.1	<0.1	<1	<1	<0.1	25	<0.1	<0.5	0.1	<0.001
3572351	Drill Core	0.60	406	0.3	1.708	2.7	17.5	0.016	2.3	18.6	<0.005	<0.1	<0.1	5	<1	1.1	214	0.2	1.5	3.4	0.102
3572352	Drill Core	1.25	402	0.2	2.908	4.6	42.8	0.027	2.0	34.5	<0.005	<0.1	0.1	8	<1	1.1	157	0.4	1.6	6.1	0.174
3572353	Drill Core	1.72	517	0.3	2.822	4.7	34.7	0.026	1.6	36.3	<0.005	<0.1	0.1	8	<1	1.2	116	0.4	1.7	6.4	0.176
3572354	Drill Core	5.50	1117	0.8	2.664	4.6	44.4	0.031	1.0	37.9	<0.005	0.2	0.2	9	1	1.1	49	0.3	1.4	8.2	0.173
3572355	Drill Core	2.36	521	0.3	4.041	5.3	44.7	0.033	1.1	39.4	<0.005	0.1	0.2	11	<1	1.2	54	0.5	0.7	7.7	0.214
3572356	Drill Core	2.55	497	0.2	3.903	4.7	42.6	0.032	1.5	49.4	<0.005	<0.1	0.3	11	<1	1.7	86	0.4	0.6	9.2	0.191
3572357	Drill Core	3.15	589	0.3	4.193	4.5	34.0	0.031	1.8	25.1	<0.005	0.3	0.2	12	<1	2.3	60	0.4	1.1	10.0	0.179
3572358	Drill Core	1.58	627	0.1	2.327	2.2	23.9	0.021	3.5	23.5	<0.005	<0.1	<0.1	7	<1	4.0	102	0.2	2.3	4.7	0.116
3572359	Drill Core	3.79	890	0.2	2.395	1.8	28.2	0.024	0.8	21.6	<0.005	0.4	0.1	10	<1	0.5	57	0.2	2.0	5.2	0.095
3572360	Rock Pulp	3.98	1885	2.9	2.183	18.1	137.5	0.163	5.0	20.8	<0.005	0.8	2.2	19	<1	1.6	350	1.1	<0.5	3.5	0.896
3572361	Drill Core	1.08	586	0.2	2.425	3.2	23.6	0.022	2.4	10.4	<0.005	<0.1	<0.1	6	<1	0.4	165	0.3	1.2	5.3	0.128
3572362	Drill Core	2.57	761	<0.1	2.320	3.2	21.5	0.024	1.2	23.6	<0.005	<0.1	<0.1	6	<1	0.6	93	0.3	2.3	6.0	0.129
3572363	Drill Core	2.13	643	0.1	2.405	3.6	31.6	0.024	1.6	33.0	<0.005	0.2	<0.1	8	1	1.1	117	0.3	0.9	6.3	0.147
3572364	Drill Core	3.22	709	0.1	2.950	5.0	44.3	0.030	1.4	52.8	<0.005	0.1	0.2	9	1	1.6	97	0.4	1.0	6.8	0.184
3572365	Drill Core	3.79	871	0.2	2.709	4.3	39.9	0.027	0.7	37.8	<0.005	<0.1	0.2	9	<1	1.3	47	0.4	2.0	7.4	0.169
3572366	Drill Core	5.75	1027	0.2	3.226	5.2	48.5	0.040	0.5	46.5	<0.005	<0.1	0.1	9	<1	1.9	32	0.4	0.5	7.3	0.206
3572367	Drill Core	6.45	1228	0.3	2.880	3.7	33.4	0.028	0.7	18.8	<0.005	0.3	0.1	9	<1	0.9	41	0.3	0.6	6.6	0.151
3572368	Drill Core	6.63	1419	0.2	2.488	3.2	23.2	0.022	0.6	13.7	<0.005	0.1	<0.1	8	1	0.8	47	0.3	3.9	5.5	0.131
3572369	Drill Core	6.22	1271	0.6	2.956	3.6	26.9	0.028	0.7	19.1	<0.005	0.1	<0.1	9	<1	1.1	52	0.3	1.5	6.5	0.158
3572370	Drill Core	5.12	1134	0.2	2.900	3.1	19.9	0.027	0.7	7.4	<0.005	<0.1	0.1	8	<1	0.6	53	0.3	3.9	6.0	0.135
3572371	Drill Core	6.24	1047	0.7	3.154	3.5	19.0	0.029	0.8	11.3	<0.005	0.2	0.2	13	<1	0.7	56	0.3	3.0	7.0	0.160

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Bureau Veritas Commodities Canada Ltd.

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 22, 2020

CERTIFICATE OF ANALYSIS TIM19002907.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3572342	Drill Core	<0.5	2.4	83	1.6	11.5	2	132.5
3572343	Drill Core	<0.5	2.7	123	0.3	9.6	6	125.7
3572344	Drill Core	<0.5	2.1	125	0.4	9.0	6	127.5
3572345	Drill Core	<0.5	1.5	122	0.5	9.9	6	121.5
3572346	Drill Core	<0.5	1.1	59	4.8	6.6	2	102.4
3572347	Drill Core	<0.5	1.1	56	4.3	5.0	2	100.0
3572348	Drill Core	<0.5	2.3	35	2.1	6.8	<1	85.0
3572349	Drill Core	<0.5	1.2	33	0.6	7.8	1	41.0
3572350	Silica	0.8	0.1	<1	<0.1	1.3	3	12.4
3572351	Drill Core	<0.5	1.3	31	0.6	7.0	1	37.6
3572352	Drill Core	<0.5	1.8	52	0.4	9.9	2	70.0
3572353	Drill Core	<0.5	2.2	56	0.5	10.3	2	68.5
3572354	Drill Core	<0.5	2.3	69	1.5	14.2	3	76.7
3572355	Drill Core	<0.5	2.4	73	0.8	12.0	2	88.5
3572356	Drill Core	<0.5	2.3	80	1.3	13.3	2	79.0
3572357	Drill Core	<0.5	2.5	82	1.4	12.1	2	86.4
3572358	Drill Core	<0.5	1.7	43	0.7	11.2	<1	55.0
3572359	Drill Core	<0.5	2.2	46	1.0	14.4	2	61.8
3572360	Rock Pulp	<0.5	1.0	159	1.3	20.9	110	118.2
3572361	Drill Core	<0.5	2.4	41	0.4	9.9	2	64.3
3572362	Drill Core	<0.5	2.4	43	0.4	12.0	2	64.9
3572363	Drill Core	<0.5	2.6	55	0.5	16.2	2	66.3
3572364	Drill Core	<0.5	3.1	63	0.7	13.4	3	79.1
3572365	Drill Core	<0.5	2.9	68	1.0	14.9	2	73.3
3572366	Drill Core	<0.5	3.1	68	0.7	12.6	4	83.4
3572367	Drill Core	<0.5	2.7	60	1.1	13.1	2	67.8
3572368	Drill Core	<0.5	2.3	50	1.1	17.4	2	61.2
3572369	Drill Core	<0.5	2.6	53	1.7	13.3	5	70.3
3572370	Drill Core	<0.5	2.4	45	1.7	14.0	4	70.7
3572371	Drill Core	<0.5	2.6	67	1.8	11.8	2	69.7

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 22, 2020

CERTIFICATE OF ANALYSIS TIM19002907.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3572372	Drill Core	4.91	0.015	<0.1	3.75	3	46	<1	<0.1	12.46	<0.1	66	9.5	44	27.8	2.56	2.0	0.12	0.56	35.5	10.4
3572373	Drill Core	4.99	0.008	<0.1	4.43	6	36	<1	<0.1	10.31	<0.1	27	9.1	56	21.6	3.37	2.1	<0.05	0.42	13.7	7.5
3572374	Drill Core	3.39	0.006	<0.1	3.82	1	69	<1	<0.1	20.93	<0.1	36	6.3	50	43.8	1.64	1.8	0.07	0.51	19.7	7.7
3572375	Silica	0.21	<0.005	<0.1	7.27	1	17	<1	<0.1	0.16	<0.1	<1	<0.2	<1	0.2	0.17	0.2	<0.05	4.16	0.3	25.4
3572376	Drill Core	3.20	0.008	<0.1	4.28	4	57	<1	<0.1	17.43	<0.1	48	11.9	61	12.0	2.46	2.1	<0.05	0.43	26.2	8.2
3572377	Drill Core	4.88	0.047	<0.1	3.87	9	35	1	<0.1	11.18	<0.1	31	7.3	57	6.4	3.26	2.0	<0.05	0.48	14.1	7.2
3572378	Drill Core	5.09	0.027	<0.1	5.47	72	15	<1	0.8	8.46	<0.1	17	22.5	60	8.1	3.14	2.5	<0.05	0.11	7.6	2.3
3572379	Drill Core	4.70	0.013	<0.1	4.71	20	21	<1	<0.1	10.44	<0.1	19	8.0	65	4.7	2.76	2.1	<0.05	0.32	9.3	5.5
3572380	Rock Pulp	0.07	5.217	0.9	6.42	22	215	<1	0.3	5.51	0.2	12	41.8	269	136.9	7.10	1.6	0.07	0.45	5.3	16.5
3572381	Drill Core	5.54	0.006	<0.1	3.57	2	76	<1	<0.1	21.32	<0.1	47	6.6	37	31.6	1.29	1.9	<0.05	0.61	25.5	9.2
3572382	Drill Core	5.60	0.009	<0.1	3.39	3	65	<1	<0.1	23.63	<0.1	36	9.4	42	39.2	2.05	1.8	0.07	0.33	17.7	5.4
3572383	Drill Core	5.56	<0.005	<0.1	3.57	<1	66	<1	<0.1	23.28	<0.1	35	7.2	45	4.0	2.32	2.1	0.09	0.32	18.5	5.3
3572384	Drill Core	5.16	0.007	<0.1	4.17	4	95	1	<0.1	20.35	<0.1	46	12.4	46	60.0	2.18	2.2	<0.05	0.61	23.5	10.8
3572385	Drill Core	5.27	0.008	<0.1	3.90	6	78	<1	<0.1	18.72	<0.1	53	6.7	43	5.7	1.92	2.0	<0.05	0.86	28.9	12.5
3572386	Drill Core	6.38	0.013	<0.1	3.48	12	13	1	<0.1	10.51	<0.1	18	5.0	47	1.5	3.82	1.7	0.06	0.34	7.6	11.2
3572387	Drill Core	4.91	0.032	<0.1	4.22	20	10	<1	0.1	8.93	<0.1	36	10.4	53	5.1	3.96	2.0	<0.05	0.36	16.9	11.9
3572388	Drill Core	5.43	0.067	<0.1	4.98	5	48	1	<0.1	12.42	<0.1	40	9.9	59	158.4	2.81	2.3	<0.05	0.52	21.5	16.4
3572389	Drill Core	5.24	0.061	<0.1	5.31	3	88	2	0.2	15.16	<0.1	42	21.2	62	36.5	2.29	2.6	0.06	0.51	19.2	12.7
3572390	Drill Core	5.05	<0.005	<0.1	3.75	2	28	1	<0.1	19.91	<0.1	40	9.9	51	13.2	2.22	2.2	<0.05	0.12	19.5	3.4
3572391	Drill Core	5.95	0.005	<0.1	7.07	2	118	2	0.1	6.68	<0.1	40	16.2	87	12.8	4.05	3.6	<0.05	0.56	15.9	10.2
3572392	Drill Core	5.97	<0.005	<0.1	4.74	3	84	2	<0.1	17.03	<0.1	42	12.7	51	33.2	3.23	2.4	<0.05	0.49	18.9	10.1
3572393	Drill Core	4.35	0.024	<0.1	4.83	2	92	1	<0.1	16.97	<0.1	37	11.5	58	45.2	2.82	2.5	<0.05	0.49	17.7	11.1
3572394	Drill Core	5.06	<0.005	<0.1	4.72	3	179	<1	<0.1	17.57	<0.1	50	15.9	67	7.3	3.92	2.3	0.08	0.99	29.0	13.9
3572395	Drill Core	5.16	0.008	<0.1	3.42	2	73	<1	<0.1	21.02	<0.1	30	7.9	44	1.7	1.20	2.1	<0.05	0.47	15.2	7.9
3572396	Drill Core	5.16	0.009	<0.1	2.89	4	74	<1	<0.1	24.65	<0.1	32	6.9	31	1.3	1.14	1.5	0.05	0.47	15.1	7.0
3572397	Drill Core	4.54	0.032	<0.1	2.84	5	128	<1	0.2	26.36	<0.1	39	11.1	29	137.5	2.08	1.5	<0.05	0.87	20.7	12.1
3572398	Rock Pulp	0.07	0.529	0.1	7.32	3	143	<1	<0.1	6.97	0.2	10	46.2	182	158.2	8.14	1.6	0.07	0.18	3.9	11.7
3572399	Drill Core	3.60	0.012	<0.1	5.83	7	103	1	0.2	10.14	<0.1	45	10.7	63	7.7	2.10	2.8	<0.05	0.63	23.8	12.1
3572400	Silica	0.21	<0.005	<0.1	8.47	1	17	<1	<0.1	0.21	<0.1	1	<0.2	1	0.4	0.17	0.2	<0.05	3.95	0.6	23.1
3572401	Drill Core	4.09	0.043	<0.1	5.93	3	171	2	<0.1	11.32	<0.1	56	13.8	78	3.0	3.39	2.5	<0.05	0.91	31.0	14.3

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 22, 2020

CERTIFICATE OF ANALYSIS TIM19002907.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3572372	Drill Core	7.01	1554	0.2	2.506	2.8	29.6	0.027	0.6	23.5	<0.005	<0.1	0.2	8	<1	0.8	33	0.3	1.0	6.5	0.138
3572373	Drill Core	5.91	1241	0.2	3.219	2.5	22.2	0.027	0.8	14.0	<0.005	0.1	0.2	9	<1	0.5	54	0.3	<0.5	6.6	0.145
3572374	Drill Core	0.97	560	0.2	2.893	2.9	30.1	0.028	2.4	30.2	<0.005	<0.1	0.1	8	<1	1.1	190	0.3	0.8	5.6	0.154
3572375	Silica	0.03	34	0.1	8.365	<0.1	0.3	<0.001	5.4	59.5	<0.005	<0.1	0.1	<1	<1	<0.1	26	<0.1	<0.5	0.1	<0.001
3572376	Drill Core	1.24	451	0.3	3.182	3.5	39.0	0.028	7.7	25.2	<0.005	<0.1	0.1	8	<1	10.2	154	0.3	1.2	7.4	0.175
3572377	Drill Core	6.32	1298	0.3	2.748	3.0	21.3	0.030	0.7	17.7	<0.005	<0.1	0.2	8	<1	0.6	52	0.3	<0.5	6.2	0.138
3572378	Drill Core	4.61	720	0.4	4.651	2.1	30.7	0.036	1.2	1.4	<0.005	1.2	0.6	12	<1	0.5	55	0.2	1.1	7.9	0.079
3572379	Drill Core	6.53	972	0.3	3.557	2.4	17.9	0.028	0.9	5.8	<0.005	0.2	0.4	15	<1	0.5	57	0.2	1.2	6.7	0.122
3572380	Rock Pulp	4.12	1216	3.3	2.004	3.4	121.2	0.040	16.7	14.9	<0.005	0.4	0.5	33	<1	0.7	104	0.2	0.8	1.1	0.578
3572381	Drill Core	2.16	709	0.4	2.545	3.4	27.1	0.026	1.7	33.0	<0.005	<0.1	<0.1	7	<1	0.9	157	0.3	1.0	5.4	0.138
3572382	Drill Core	0.93	439	0.4	2.441	3.9	29.3	0.024	2.3	19.3	<0.005	<0.1	0.1	7	1	1.1	221	0.3	1.1	5.6	0.141
3572383	Drill Core	0.79	441	0.1	2.676	4.2	26.0	0.025	2.3	19.1	<0.005	<0.1	0.1	7	<1	0.9	221	0.4	0.9	6.0	0.148
3572384	Drill Core	1.21	504	0.3	2.865	4.6	36.6	0.026	1.9	39.1	<0.005	<0.1	0.1	9	<1	1.4	177	0.4	<0.5	6.6	0.186
3572385	Drill Core	2.88	814	0.4	2.414	3.5	26.2	0.029	1.1	45.1	<0.005	<0.1	0.2	8	<1	1.0	121	0.3	0.9	5.5	0.161
3572386	Drill Core	9.65	1234	0.5	1.541	1.1	11.0	0.027	0.7	4.4	<0.005	<0.1	0.2	11	<1	0.3	48	0.1	1.9	5.0	0.060
3572387	Drill Core	8.84	1298	0.3	1.783	1.3	20.9	0.031	1.3	3.8	<0.005	0.3	0.2	10	<1	0.2	39	0.1	1.5	6.1	0.062
3572388	Drill Core	4.39	862	0.4	2.770	3.7	51.4	0.035	0.6	22.6	<0.005	0.1	0.2	10	<1	0.5	42	0.4	<0.5	7.4	0.186
3572389	Drill Core	1.38	506	0.4	3.783	6.1	47.0	0.034	1.6	34.7	<0.005	0.3	0.2	11	2	1.6	145	0.5	1.0	7.6	0.235
3572390	Drill Core	0.84	495	0.5	2.950	4.2	25.8	0.027	1.7	6.6	<0.005	<0.1	0.2	7	<1	1.0	162	0.4	1.1	5.6	0.166
3572391	Drill Core	2.02	199	0.7	5.655	9.2	63.3	0.046	1.6	36.9	<0.005	<0.1	0.4	14	2	2.4	70	0.8	<0.5	11.3	0.317
3572392	Drill Core	1.72	669	0.5	3.307	5.8	45.9	0.030	1.6	32.6	<0.005	<0.1	0.3	10	<1	1.4	121	0.5	0.6	6.9	0.219
3572393	Drill Core	1.34	453	0.4	3.533	6.0	43.8	0.034	1.7	34.1	<0.005	<0.1	0.2	10	1	1.4	136	0.5	<0.5	7.9	0.227
3572394	Drill Core	1.52	489	0.4	3.101	5.5	54.5	0.029	1.7	72.1	<0.005	<0.1	0.2	11	1	1.4	150	0.5	0.8	7.2	0.232
3572395	Drill Core	0.75	546	0.2	2.458	3.2	19.3	0.025	1.6	28.7	<0.005	<0.1	<0.1	6	1	0.9	170	0.3	1.7	4.5	0.139
3572396	Drill Core	0.73	708	0.2	2.035	3.1	17.9	0.026	1.7	27.6	<0.005	<0.1	0.1	5	1	0.7	186	0.2	2.2	4.0	0.121
3572397	Drill Core	1.48	907	0.4	1.547	3.0	43.0	0.021	1.8	58.5	<0.005	0.1	0.1	7	<1	1.0	216	0.3	0.6	4.2	0.124
3572398	Rock Pulp	4.35	1452	0.6	2.357	3.5	99.0	0.039	3.1	4.3	<0.005	0.1	0.5	44	<1	0.6	116	0.2	1.0	0.5	0.680
3572399	Drill Core	1.50	351	0.7	4.143	5.0	42.0	0.041	1.2	38.3	<0.005	0.1	0.2	9	<1	1.0	102	0.4	0.7	6.9	0.223
3572400	Silica	0.03	35	0.1	8.310	<0.1	0.4	<0.001	5.0	56.1	<0.005	<0.1	0.1	<1	<1	<0.1	29	<0.1	<0.5	0.2	<0.001
3572401	Drill Core	1.57	384	0.6	4.093	5.9	55.5	0.042	1.3	57.4	<0.005	<0.1	0.2	11	<1	1.2	107	0.5	1.1	8.0	0.260

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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3572372	Drill Core	<0.5	2.5	61	0.6	20.1	2	67.6
3572373	Drill Core	<0.5	2.8	64	1.0	13.3	2	70.9
3572374	Drill Core	<0.5	2.4	53	0.2	9.9	2	64.1
3572375	Silica	0.8	0.1	<1	<0.1	1.1	3	11.7
3572376	Drill Core	<0.5	2.8	67	0.3	10.2	3	74.8
3572377	Drill Core	<0.5	2.8	63	1.4	13.2	3	67.3
3572378	Drill Core	<0.5	3.2	45	3.6	9.4	1	90.6
3572379	Drill Core	<0.5	2.4	76	2.7	11.5	6	72.4
3572380	Rock Pulp	<0.5	0.3	262	5.6	19.1	88	49.3
3572381	Drill Core	<0.5	2.2	44	0.4	11.5	1	63.7
3572382	Drill Core	<0.5	2.2	46	0.9	9.5	2	64.4
3572383	Drill Core	<0.5	2.4	50	0.9	10.1	2	72.9
3572384	Drill Core	<0.5	2.6	60	0.9	12.9	2	71.7
3572385	Drill Core	<0.5	2.4	53	1.4	17.5	4	68.9
3572386	Drill Core	<0.5	2.0	77	1.9	14.5	8	59.2
3572387	Drill Core	<0.5	2.5	76	1.4	16.4	8	68.4
3572388	Drill Core	<0.5	3.0	73	1.5	15.2	5	78.9
3572389	Drill Core	<0.5	3.1	71	0.8	13.8	3	90.6
3572390	Drill Core	<0.5	2.1	50	0.9	13.0	2	81.0
3572391	Drill Core	<0.5	4.2	95	1.4	17.9	4	121.3
3572392	Drill Core	<0.5	3.5	68	1.2	14.9	4	78.7
3572393	Drill Core	<0.5	3.2	70	1.2	14.1	4	83.6
3572394	Drill Core	<0.5	3.0	80	1.1	13.7	5	77.0
3572395	Drill Core	<0.5	2.2	35	0.8	11.2	2	69.9
3572396	Drill Core	<0.5	2.3	34	1.0	12.1	2	57.8
3572397	Drill Core	<0.5	2.5	48	0.8	15.0	4	56.3
3572398	Rock Pulp	<0.5	0.1	321	1.2	21.4	88	48.7
3572399	Drill Core	<0.5	3.2	68	1.6	11.6	4	95.3
3572400	Silica	0.7	0.1	<1	<0.1	1.6	3	11.8
3572401	Drill Core	<0.5	3.4	81	1.3	12.4	4	94.7

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 22, 2020

CERTIFICATE OF ANALYSIS TIM19002907.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3572402	Drill Core	3.82	0.006	<0.1	2.79	<1	81	<1	<0.1	25.65	<0.1	25	6.2	28	3.5	1.24	1.4	<0.05	0.56	12.0	8.3
3572403	Drill Core	6.10	0.028	<0.1	1.84	7	106	<1	<0.1	25.75	<0.1	28	6.8	19	305.3	2.47	1.0	<0.05	0.84	14.1	20.1
3572404	Drill Core	4.89	0.026	<0.1	1.65	9	70	<1	<0.1	19.48	<0.1	31	6.3	17	270.7	2.50	1.0	<0.05	0.70	16.5	16.5
3572405	Drill Core	5.95	<0.005	<0.1	4.91	1	53	<1	<0.1	13.53	<0.1	42	7.3	49	6.6	1.36	2.4	<0.05	0.30	22.9	5.8
3572406	Drill Core	3.98	<0.005	<0.1	5.28	1	138	<1	<0.1	14.64	<0.1	38	11.8	65	36.5	3.19	2.4	<0.05	0.73	20.8	11.0
3572407	Drill Core	4.01	<0.005	<0.1	2.97	1	84	<1	<0.1	24.84	<0.1	37	7.0	31	1.2	1.60	1.4	<0.05	0.46	19.9	7.0
3572408	Drill Core	4.45	<0.005	<0.1	3.61	<1	72	<1	<0.1	23.59	<0.1	32	9.0	32	1.9	1.41	1.8	<0.05	0.31	15.5	5.3
3572409	Drill Core	5.44	<0.005	<0.1	2.66	2	25	<1	<0.1	26.59	<0.1	39	5.3	25	1.0	0.64	1.1	<0.05	0.11	21.7	2.1
3572410	Drill Core	5.66	<0.005	<0.1	3.66	2	44	2	<0.1	22.48	<0.1	36	6.1	32	2.4	0.99	2.0	<0.05	0.23	19.7	5.2
3571601	Drill Core	3.68	<0.005	<0.1	6.32	24	190	2	<0.1	2.69	<0.1	29	11.7	41	12.6	1.71	2.1	<0.05	0.47	11.6	7.6
3571602	Drill Core	3.32	<0.005	<0.1	6.72	3	163	2	<0.1	1.92	<0.1	30	2.4	49	3.4	1.85	2.4	<0.05	0.27	12.9	6.1
3571603	Drill Core	5.13	0.012	<0.1	6.97	5	93	4	<0.1	0.62	<0.1	51	3.3	85	18.3	3.61	3.4	0.06	0.11	20.7	5.9
3571604	Drill Core	3.50	2.590	<0.1	5.88	2	93	1	<0.1	0.60	<0.1	28	1.9	56	8.0	4.06	2.1	<0.05	0.09	12.7	5.0
3571605	Drill Core	3.11	1.098	<0.1	6.22	3	59	2	<0.1	1.58	<0.1	17	1.9	54	8.2	4.19	1.7	0.09	0.07	8.2	5.1
3571606	Drill Core	3.32	6.984	0.6	6.27	341	80	1	<0.1	0.88	<0.1	18	11.0	54	8.4	2.69	2.6	<0.05	0.09	7.8	3.8
3571607	Drill Core	2.79	6.420	<0.1	5.89	134	116	2	0.1	1.10	<0.1	17	5.9	61	35.2	5.37	2.3	0.09	0.14	8.2	8.2
3571608	Drill Core	2.92	7.971	<0.1	5.71	35	133	2	0.1	1.52	<0.1	21	40.1	81	173.7	8.15	2.0	0.08	0.15	9.5	10.0

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 22, 2020

CERTIFICATE OF ANALYSIS TIM19002907.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3572402	Drill Core	0.86	729	0.3	1.884	3.4	18.7	0.020	1.8	33.1	<0.005	<0.1	0.1	5	<1	0.5	191	0.3	1.8	4.5	0.124
3572403	Drill Core	2.88	886	0.8	0.237	2.5	22.7	0.014	1.3	48.2	<0.005	0.1	0.2	4	1	0.3	154	0.2	1.0	3.3	0.077
3572404	Drill Core	6.61	1643	0.4	0.328	1.9	17.9	0.012	0.6	33.4	<0.005	<0.1	0.1	4	2	0.3	70	0.2	1.8	2.8	0.065
3572405	Drill Core	0.67	552	0.8	3.853	4.7	22.0	0.038	1.4	16.8	<0.005	<0.1	0.2	8	1	2.2	111	0.4	0.8	6.2	0.195
3572406	Drill Core	1.12	473	0.6	3.759	5.6	41.4	0.037	1.4	44.3	<0.005	<0.1	0.3	10	<1	1.5	118	0.5	1.0	6.7	0.233
3572407	Drill Core	0.69	1013	0.4	2.053	3.4	21.2	0.018	1.3	24.3	<0.005	<0.1	<0.1	6	<1	0.9	138	0.3	0.6	4.7	0.132
3572408	Drill Core	0.71	974	0.4	2.721	4.9	22.6	0.025	1.3	17.6	<0.005	<0.1	0.1	7	2	1.2	136	0.4	0.9	5.5	0.162
3572409	Drill Core	0.35	1059	0.5	2.114	3.2	10.2	0.020	1.1	4.8	<0.005	<0.1	0.2	5	<1	0.8	157	0.2	1.4	4.0	0.117
3572410	Drill Core	0.60	884	0.5	2.892	4.6	21.6	0.023	1.1	13.5	<0.005	<0.1	0.3	6	<1	0.9	127	0.4	1.7	6.0	0.161
3571601	Drill Core	1.89	238	0.3	4.792	2.0	36.1	0.035	1.6	19.9	<0.005	<0.1	0.1	8	<1	0.4	116	0.2	<0.5	5.5	0.093
3571602	Drill Core	1.39	209	<0.1	5.648	2.9	20.1	0.034	1.6	12.1	<0.005	<0.1	0.2	9	<1	0.2	105	0.2	<0.5	7.4	0.103
3571603	Drill Core	1.83	196	0.2	5.667	6.4	51.3	0.053	2.4	2.0	<0.005	0.1	0.2	9	<1	<0.1	73	0.6	<0.5	9.5	0.242
3571604	Drill Core	1.55	198	0.2	4.035	3.6	21.9	0.049	1.1	3.1	<0.005	<0.1	0.2	7	<1	0.1	52	0.3	<0.5	5.1	0.143
3571605	Drill Core	2.01	403	0.4	3.929	2.4	28.9	0.077	1.2	2.4	<0.005	<0.1	0.3	11	<1	0.2	40	0.3	<0.5	4.5	0.097
3571606	Drill Core	0.92	149	1.2	5.166	3.1	12.9	0.081	1.8	2.2	<0.005	<0.1	0.5	4	<1	0.1	61	0.3	<0.5	6.2	0.129
3571607	Drill Core	1.98	302	0.5	3.542	3.1	37.0	0.052	5.8	5.6	<0.005	0.4	0.4	8	1	0.2	37	0.3	<0.5	6.7	0.122
3571608	Drill Core	2.95	480	0.3	2.224	3.3	123.1	0.089	5.5	6.7	<0.005	1.0	0.4	12	2	0.2	31	0.3	<0.5	6.2	0.121

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 22, 2020

CERTIFICATE OF ANALYSIS TIM19002907.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3572402	Drill Core	<0.5	2.5	34	0.8	10.1	1	54.1
3572403	Drill Core	<0.5	1.7	29	0.3	15.2	8	36.0
3572404	Drill Core	<0.5	1.7	26	0.4	18.3	5	33.0
3572405	Drill Core	<0.5	2.6	51	1.4	10.7	3	82.5
3572406	Drill Core	<0.5	3.3	80	1.2	12.6	4	83.8
3572407	Drill Core	<0.5	2.3	40	0.7	11.4	1	52.7
3572408	Drill Core	<0.5	2.6	46	1.3	11.6	3	68.1
3572409	Drill Core	<0.5	1.7	29	0.8	10.1	<1	47.8
3572410	Drill Core	<0.5	2.2	47	0.6	10.7	3	73.4
3571601	Drill Core	<0.5	2.0	49	0.6	13.7	7	74.8
3571602	Drill Core	<0.5	2.7	51	1.8	15.3	7	87.8
3571603	Drill Core	<0.5	3.2	81	4.3	13.0	12	127.4
3571604	Drill Core	<0.5	2.7	48	5.1	7.6	14	76.1
3571605	Drill Core	<0.5	2.1	66	4.4	15.5	13	59.0
3571606	Drill Core	<0.5	4.2	33	5.7	8.9	8	90.7
3571607	Drill Core	<0.5	4.0	63	6.0	11.1	12	84.0
3571608	Drill Core	<0.5	2.9	110	6.5	18.0	17	72.1

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Client: **MacDonald Mines Exploration Ltd.**
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Project: SPJ
Report Date: January 22, 2020

QUALITY CONTROL REPORT TIM19002907.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
Pulp Duplicates																					
3572351	Drill Core	6.13	0.018	<0.1	2.29	3	47	<1	<0.1	24.39	<0.1	23	7.3	31	13.3	1.81	1.1	0.06	0.30	12.9	4.1
REP 3572351	QC			<0.1	2.31	3	45	<1	<0.1	24.41	<0.1	22	6.7	30	12.8	1.83	1.1	<0.05	0.32	11.8	4.0
3572365	Drill Core	5.53	<0.005	<0.1	4.30	4	64	1	<0.1	15.04	<0.1	60	9.8	50	4.8	2.09	2.1	<0.05	1.02	30.1	14.8
REP 3572365	QC		<0.005																		
3572386	Drill Core	6.38	0.013	<0.1	3.48	12	13	1	<0.1	10.51	<0.1	18	5.0	47	1.5	3.82	1.7	0.06	0.34	7.6	11.2
REP 3572386	QC			<0.1	3.46	12	14	2	<0.1	10.20	<0.1	19	4.1	50	1.8	3.79	1.7	<0.05	0.33	7.8	11.3
3572388	Drill Core	5.43	0.067	<0.1	4.98	5	48	1	<0.1	12.42	<0.1	40	9.9	59	158.4	2.81	2.3	<0.05	0.52	21.5	16.4
REP 3572388	QC		0.060																		
Core Reject Duplicates																					
3572348	Drill Core	4.42	0.041	<0.1	4.94	20	16	<1	0.2	5.90	<0.1	35	15.4	37	3.6	1.73	2.4	<0.05	0.08	17.5	1.9
DUP 3572348	QC		0.067	<0.1	5.03	21	15	1	0.2	5.64	<0.1	35	16.1	38	3.1	1.71	2.4	<0.05	0.08	17.5	1.5
3572382	Drill Core	5.60	0.009	<0.1	3.39	3	65	<1	<0.1	23.63	<0.1	36	9.4	42	39.2	2.05	1.8	0.07	0.33	17.7	5.4
DUP 3572382	QC		0.008	<0.1	3.36	4	63	<1	0.1	23.52	<0.1	33	9.5	42	42.0	2.11	1.9	0.05	0.35	17.3	5.3
3571606	Drill Core	3.32	6.984	0.6	6.27	341	80	1	<0.1	0.88	<0.1	18	11.0	54	8.4	2.69	2.6	<0.05	0.09	7.8	3.8
DUP 3571606	QC		7.007	<0.1	6.16	322	84	2	<0.1	0.87	<0.1	16	13.3	58	7.0	2.67	2.2	<0.05	0.09	6.9	4.5
Reference Materials																					
STD OREAS25A-4A	Standard			<0.1	8.57	10	150	<1	0.4	0.27	<0.1	44	7.2	111	33.1	6.50	4.1	<0.05	0.48	20.0	39.5
STD OREAS25A-4A	Standard			<0.1	8.75	10	151	<1	0.3	0.28	<0.1	45	7.6	111	32.3	6.51	4.0	0.08	0.46	21.1	35.0
STD OREAS25A-4A	Standard			<0.1	8.29	8	130	<1	0.3	0.26	<0.1	40	7.2	108	34.3	6.44	4.2	0.06	0.42	17.5	34.6
STD OREAS25A-4A	Standard			<0.1	8.52	9	136	<1	0.4	0.27	<0.1	42	6.9	104	33.2	6.39	3.9	0.16	0.45	18.5	32.8
STD OREAS45H	Standard			0.1	8.01	18	363	2	0.2	0.14	<0.1	24	85.9	662	771.1	20.32	3.4	0.12	0.23	12.0	14.7
STD OREAS45E	Standard			0.3	6.96	15	253	<1	0.3	0.06	<0.1	23	52.8	951	782.6	23.37	2.8	0.10	0.33	10.8	6.1
STD OREAS45H	Standard			0.1	8.15	13	315	1	0.1	0.14	<0.1	24	85.3	617	781.4	19.90	3.2	0.14	0.20	12.6	12.5
STD OREAS45E	Standard			0.3	6.53	15	243	<1	0.3	0.06	<0.1	20	56.2	982	751.4	24.12	2.8	0.07	0.32	7.2	6.3
STD OXC145	Standard		0.203																		
STD OXC145	Standard		0.209																		
STD OXH139	Standard		1.282																		
STD OXH139	Standard		1.279																		

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QUALITY CONTROL REPORT TIM19002907.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
Pulp Duplicates																					
3572351	Drill Core	0.60	406	0.3	1.708	2.7	17.5	0.016	2.3	18.6	<0.005	<0.1	<0.1	5	<1	1.1	214	0.2	1.5	3.4	0.102
REP 3572351	QC	0.59	400	0.3	1.727	2.8	16.8	0.017	2.4	18.5	<0.005	<0.1	<0.1	5	1	1.0	210	0.2	0.9	3.9	0.100
3572365	Drill Core	3.79	871	0.2	2.709	4.3	39.9	0.027	0.7	37.8	<0.005	<0.1	0.2	9	<1	1.3	47	0.4	2.0	7.4	0.169
REP 3572365	QC																				
3572386	Drill Core	9.65	1234	0.5	1.541	1.1	11.0	0.027	0.7	4.4	<0.005	<0.1	0.2	11	<1	0.3	48	0.1	1.9	5.0	0.060
REP 3572386	QC	9.57	1222	0.4	1.535	1.1	11.4	0.029	0.6	4.2	<0.005	0.1	0.2	11	<1	0.3	48	0.2	1.4	5.0	0.059
3572388	Drill Core	4.39	862	0.4	2.770	3.7	51.4	0.035	0.6	22.6	<0.005	0.1	0.2	10	<1	0.5	42	0.4	<0.5	7.4	0.186
REP 3572388	QC																				
Core Reject Duplicates																					
3572348	Drill Core	3.14	469	0.5	4.113	2.4	20.0	0.045	0.9	1.9	<0.005	0.4	0.6	6	1	0.5	53	0.2	<0.5	6.2	0.078
DUP 3572348	QC	3.17	465	0.4	4.178	2.2	20.5	0.044	0.9	1.8	<0.005	0.4	0.4	7	1	0.4	56	0.2	0.8	6.4	0.072
3572382	Drill Core	0.93	439	0.4	2.441	3.9	29.3	0.024	2.3	19.3	<0.005	<0.1	0.1	7	1	1.1	221	0.3	1.1	5.6	0.141
DUP 3572382	QC	0.92	438	0.3	2.441	4.0	30.4	0.023	2.3	19.2	<0.005	<0.1	0.1	7	<1	1.2	220	0.4	<0.5	5.2	0.140
3571606	Drill Core	0.92	149	1.2	5.166	3.1	12.9	0.081	1.8	2.2	<0.005	<0.1	0.5	4	<1	0.1	61	0.3	<0.5	6.2	0.129
DUP 3571606	QC	0.92	146	1.1	5.189	3.3	13.1	0.079	1.7	1.5	<0.005	<0.1	0.4	4	<1	0.1	58	0.3	<0.5	6.3	0.132
Reference Materials																					
STD OREAS25A-4A	Standard	0.33	487	2.2	0.116	19.3	44.8	0.052	23.6	55.8	<0.005	<0.1	0.5	13	4	4.3	46	1.4	<0.5	15.2	0.907
STD OREAS25A-4A	Standard	0.36	477	2.2	0.122	18.0	46.3	0.046	24.2	60.9	<0.005	<0.1	0.6	13	1	3.9	46	1.3	<0.5	15.5	0.870
STD OREAS25A-4A	Standard	0.33	470	2.1	0.112	18.1	41.0	0.044	22.7	51.3	<0.005	<0.1	0.6	11	3	3.8	41	1.3	<0.5	13.8	0.906
STD OREAS25A-4A	Standard	0.31	472	2.5	0.114	18.8	42.1	0.044	22.6	53.6	<0.005	<0.1	0.6	12	1	3.7	41	1.4	<0.5	14.4	0.962
STD OREAS45H	Standard	0.27	404	1.3	0.089	14.2	438.4	0.025	12.5	21.2	<0.005	<0.1	0.6	62	1	2.0	29	0.9	<0.5	7.3	0.869
STD OREAS45E	Standard	0.16	564	1.8	0.056	5.8	470.7	0.037	18.3	21.7	<0.005	<0.1	1.0	91	2	1.1	16	0.5	<0.5	13.4	0.530
STD OREAS45H	Standard	0.26	396	1.3	0.086	13.0	438.4	0.024	12.2	22.4	<0.005	<0.1	0.7	54	3	1.8	29	0.9	<0.5	8.1	0.882
STD OREAS45E	Standard	0.16	535	2.4	0.057	5.8	454.4	0.033	18.5	18.8	<0.005	<0.1	1.0	88	3	1.2	15	0.5	<0.5	11.6	0.518
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				

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BUREAU VERITAS
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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 22, 2020

QUALITY CONTROL REPORT TIM19002907.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
Pulp Duplicates								
3572351	Drill Core	<0.5	1.3	31	0.6	7.0	1	37.6
REP 3572351	QC	<0.5	1.4	31	0.7	7.0	1	35.6
3572365	Drill Core	<0.5	2.9	68	1.0	14.9	2	73.3
REP 3572365	QC							
3572386	Drill Core	<0.5	2.0	77	1.9	14.5	8	59.2
REP 3572386	QC	<0.5	2.0	77	1.7	13.7	8	60.4
3572388	Drill Core	<0.5	3.0	73	1.5	15.2	5	78.9
REP 3572388	QC							
Core Reject Duplicates								
3572348	Drill Core	<0.5	2.3	35	2.1	6.8	<1	85.0
DUP 3572348	QC	<0.5	2.3	35	2.3	6.9	1	84.4
3572382	Drill Core	<0.5	2.2	46	0.9	9.5	2	64.4
DUP 3572382	QC	<0.5	2.2	47	0.8	9.7	2	65.8
3571606	Drill Core	<0.5	4.2	33	5.7	8.9	8	90.7
DUP 3571606	QC	<0.5	2.8	33	5.7	8.5	7	80.4
Reference Materials								
STD OREAS25A-4A	Standard	<0.5	2.7	157	1.7	9.9	49	150.7
STD OREAS25A-4A	Standard	<0.5	2.6	152	1.8	9.4	40	152.1
STD OREAS25A-4A	Standard	<0.5	2.7	156	1.7	8.8	42	140.7
STD OREAS25A-4A	Standard	<0.5	2.7	158	1.8	9.5	42	143.7
STD OREAS45H	Standard	<0.5	1.7	266	0.8	10.2	45	125.8
STD OREAS45E	Standard	<0.5	2.5	321	1.0	8.0	46	92.8
STD OREAS45H	Standard	<0.5	1.7	265	0.8	10.3	41	124.0
STD OREAS45E	Standard	<0.5	2.5	308	0.9	6.2	46	89.9
STD OXC145	Standard							
STD OXC145	Standard							
STD OXH139	Standard							
STD OXH139	Standard							

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Bureau Veritas Commodities Canada Ltd.

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 22, 2020

QUALITY CONTROL REPORT TIM19002907.1

		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
STD OXN134	Standard		7.629																		
STD OXN134	Standard		7.470																		
STD OREAS45H Expected				0.147	7.99	16.9	332	1.09	0.17	0.135		23.6	88	602	767	19.52	3.6	0.1	0.205	12.4	13.1
STD OREAS25A-4A Expected					8.87	9.94	147	0.93	0.37	0.301		47.3	7.7	115	33.9	6.6	4.14	0.09	0.482	21.8	36.7
STD OREAS45E Expected				0.311	6.78	16.3	252		0.28	0.065	0.06	23.5	57	979	780	24.12	3.11	0.099	0.324	11	6.58
STD OXC145 Expected			0.212																		
STD OXN134 Expected			7.667																		
STD OXH139 Expected			1.312																		
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
Prep Wash																					
ROCK-TIM	Prep Blank		<0.005	<0.1	6.60	2	768	1	<0.1	1.41	<0.1	27	3.6	2	2.3	2.05	1.7	<0.05	1.49	13.3	2.8
ROCK-TIM	Prep Blank		<0.005	<0.1	6.62	2	810	1	<0.1	1.49	<0.1	27	3.6	2	2.6	2.10	1.6	<0.05	1.57	12.9	1.6

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 22, 2020

QUALITY CONTROL REPORT TIM19002907.1

		MA200 Mg % 0.01	MA200 Mn ppm 1	MA200 Mo ppm 0.1	MA200 Na % 0.001	MA200 Nb ppm 0.1	MA200 Ni ppm 0.1	MA200 P % 0.001	MA200 Pb ppm 0.1	MA200 Rb ppm 0.1	MA200 Re ppm 0.005	MA200 S % 0.1	MA200 Sb ppm 0.1	MA200 Sc ppm 1	MA200 Se ppm 1	MA200 Sn ppm 0.1	MA200 Sr ppm 1	MA200 Ta ppm 0.1	MA200 Te ppm 0.5	MA200 Th ppm 0.1	MA200 Ti % 0.001
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OREAS45H Expected		0.238	380	1.55	0.09	14.8	423	0.023	11.9	22.5			0.63	57	2.02	1.93	27.1	1.08		7.26	0.878
STD OREAS25A-4A Expected		0.327	480	2.41	0.131	20.9	45.8	0.048	25.2	61		0.047	0.65	13.7	2.4	4.06	48.5	1.4		15.8	0.93
STD OREAS45E Expected		0.156	570	2.4	0.059	6.8	454	0.034	18.2	21.2		0.046	1	93	2.97	1.32	15.9	0.54	0.1	12.9	0.559
STD OXC145 Expected																					
STD OXN134 Expected																					
STD OXH139 Expected																					
BLK	Blank	<0.01	<1	<0.1	<0.001	<0.1	<0.1	0.005	<0.1	0.3	<0.005	<0.1	<0.1	<1	1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	<0.001	<0.1	<0.1	<0.001	<0.1	0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	1	<0.1	0.002	<0.1	0.1	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	<0.001	<0.1	0.3	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-TIM	Prep Blank	0.57	657	0.9	3.519	5.4	0.9	0.041	2.3	30.8	<0.005	<0.1	<0.1	7	<1	0.7	208	0.3	<0.5	2.9	0.191
ROCK-TIM	Prep Blank	0.58	657	1.1	3.508	5.6	1.4	0.042	2.3	29.8	<0.005	<0.1	0.1	7	<1	0.7	202	0.4	<0.5	2.9	0.195

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 22, 2020

QUALITY CONTROL REPORT TIM19002907.1

		MA200 Tl ppm 0.5	MA200 U ppm 0.1	MA200 V ppm 1	MA200 W ppm 0.1	MA200 Y ppm 0.1	MA200 Zn ppm 1	MA200 Zr ppm 0.1
STD OXN134	Standard							
STD OXN134	Standard							
STD OREAS45H Expected			1.68	263	0.99	10.4	39.7	131
STD OREAS25A-4A Expected		0.35	2.94	157	2	10.5	44.4	155
STD OREAS45E Expected		0.15	2.41	322	1.07	8.28	46.7	97
STD OXC145 Expected								
STD OXN134 Expected								
STD OXH139 Expected								
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	0.2
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	0.2
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	0.1
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
Prep Wash								
ROCK-TIM	Prep Blank	<0.5	1.3	36	0.3	18.1	37	51.1
ROCK-TIM	Prep Blank	<0.5	1.3	36	0.4	17.5	35	54.6

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Bureau Veritas Commodities Canada Ltd.
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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By:	Quentin Yarie
Receiving Lab:	Canada-Timmins
Received:	December 16, 2019
Analysis Start:	January 13, 2020
Report Date:	January 31, 2020
Page:	1 of 4

CERTIFICATE OF ANALYSIS TIM19002908.1

CLIENT JOB INFORMATION

Project:	SPJ
Shipment ID:	
P.O. Number	
Number of Samples:	80

SAMPLE DISPOSAL

RTRN-PLP	Return After 90 days
RTRN-RJT	Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP85-500	74	Crush split and pulverize 250g of sample to 200mesh			TIM
SHP01	80	Per sample shipping charges for branch shipments			TIM
SLBHP	6	Sort, label and box pulps			TIM
FA450	78	50g Lead Collection Fire Assay Fusion - AAS Finish	50	Completed	TIM
EN002	80	Environmental disposal charge-Fire assay lead waste			TIM
MA200	80	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
EN001-MA	80	Environmental disposal fee - Multi-acid neutralization			VAN
FA550	2	Lead collection fire assay 50G fusion - Grav finish	50	Completed	TIM

ADDITIONAL COMMENTS

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
Marcus Lau
MARCUS LAU
Production Manager

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All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 31, 2020

CERTIFICATE OF ANALYSIS TIM19002908.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3571609	Drill Core	2.04		0.6	6.16	9	114	2	<0.1	1.29	<0.1	34	4.5	65	57.4	5.24	2.3	0.07	0.17	15.3	9.4
3571610	Rock Pulp	0.07	>10	2.0	5.45	49	239	1	0.6	3.82	0.4	12	31.9	488	116.9	4.59	1.5	<0.05	0.73	6.6	32.5
3571611	Drill Core	4.26	<0.005	<0.1	6.02	3	245	2	<0.1	0.57	<0.1	15	2.4	50	1.6	1.09	2.5	<0.05	0.56	6.0	8.4
3571612	Drill Core	5.59	<0.005	<0.1	5.32	6	230	1	<0.1	0.33	<0.1	15	3.6	47	2.7	0.87	1.9	<0.05	0.56	6.6	8.4
3571613	Drill Core	4.51	<0.005	<0.1	5.85	19	227	1	<0.1	0.94	<0.1	28	7.3	50	10.1	0.76	2.4	<0.05	0.39	12.7	6.3
3571614	Drill Core	3.96	<0.005	<0.1	6.24	12	271	1	<0.1	0.68	<0.1	36	4.4	64	5.4	0.85	3.1	<0.05	0.52	17.3	7.1
3571615	Drill Core	3.47	0.402	<0.1	5.53	241	180	1	0.3	0.66	<0.1	17	210.7	32	59.8	2.67	1.0	<0.05	0.35	8.5	5.4
3571616	Drill Core	1.62	1.635	0.4	6.74	516	95	2	0.9	0.14	<0.1	26	853.6	73	532.5	12.66	1.0	0.09	0.26	12.1	17.9
3571617	Drill Core	4.59	0.005	<0.1	5.40	12	347	3	<0.1	0.46	<0.1	30	6.2	61	10.9	1.42	2.7	<0.05	0.70	13.4	10.4
3571618	Drill Core	4.28	0.006	<0.1	6.23	24	292	2	<0.1	0.96	<0.1	93	10.2	31	18.6	0.75	1.6	<0.05	0.37	46.3	5.9
3571619	Drill Core	6.26	<0.005	<0.1	6.08	10	367	2	<0.1	0.83	<0.1	79	5.3	34	9.9	0.77	1.7	<0.05	0.54	40.8	7.5
3571620	Rock Pulp	0.07	0.522	0.1	7.38	5	142	<1	<0.1	6.89	<0.1	10	45.0	168	143.5	8.20	2.0	0.07	0.19	3.8	11.3
3571621	Drill Core	5.95	<0.005	<0.1	5.48	9	351	2	<0.1	0.36	<0.1	10	2.9	45	4.0	0.90	2.5	<0.05	0.68	4.8	9.0
3571622	Drill Core	4.83	<0.005	<0.1	5.27	11	329	2	<0.1	0.24	<0.1	11	5.1	33	4.3	0.77	1.7	<0.05	0.56	4.9	8.4
3571623	Drill Core	5.81	<0.005	<0.1	5.26	15	290	2	<0.1	0.39	<0.1	11	6.1	40	4.1	0.76	2.1	<0.05	0.51	5.0	10.0
3571624	Drill Core	5.40	<0.005	<0.1	5.35	11	312	2	<0.1	0.40	<0.1	22	4.8	43	4.2	0.84	2.3	<0.05	0.55	10.6	9.1
3571625	Silica	0.21	<0.005	<0.1	9.08	1	18	<1	<0.1	0.17	<0.1	1	<0.2	1	0.2	0.17	0.2	<0.05	4.33	0.5	26.3
3571626	Drill Core	5.18	<0.005	<0.1	5.69	9	393	2	<0.1	0.29	<0.1	10	3.6	60	4.2	0.96	2.5	<0.05	0.56	4.2	10.1
3571627	Drill Core	6.37	<0.005	<0.1	5.46	5	484	1	<0.1	0.31	<0.1	10	5.2	42	1.4	0.81	2.0	<0.05	0.67	4.3	10.3
3571628	Drill Core	6.89	<0.005	<0.1	5.87	3	477	2	<0.1	0.53	<0.1	29	3.4	24	2.7	0.76	1.1	<0.05	0.53	14.0	6.8
3571629	Drill Core	6.32	<0.005	<0.1	5.73	3	293	<1	<0.1	1.16	<0.1	36	4.0	26	1.6	0.67	1.3	<0.05	0.48	16.1	5.9
3571630	Drill Core	5.57	<0.005	<0.1	5.88	3	380	1	<0.1	0.74	<0.1	21	4.2	42	2.2	0.87	1.7	<0.05	0.64	9.0	8.0
3571631	Drill Core	5.27	<0.005	<0.1	5.40	4	488	2	<0.1	0.33	<0.1	13	5.8	48	2.1	1.12	1.8	<0.05	0.83	5.7	9.4
3571632	Drill Core	6.58	<0.005	<0.1	5.19	6	403	2	<0.1	0.40	<0.1	20	7.9	48	1.9	0.95	2.3	<0.05	0.65	9.5	9.6
3571633	Drill Core	5.61	<0.005	<0.1	5.86	12	437	2	<0.1	0.58	<0.1	29	4.2	24	6.8	0.83	1.2	<0.05	0.57	14.2	7.5
3571634	Drill Core	5.18	<0.005	<0.1	6.26	11	388	2	<0.1	0.54	<0.1	23	3.0	31	5.1	0.93	1.4	<0.05	0.55	10.7	7.4
3571635	Drill Core	5.36	<0.005	<0.1	5.57	6	486	<1	<0.1	0.43	<0.1	17	2.9	26	2.8	0.82	1.2	<0.05	0.48	7.9	7.0
3571636	Drill Core	5.86	<0.005	<0.1	6.45	15	366	1	<0.1	0.66	<0.1	20	5.7	38	9.1	0.93	1.8	<0.05	0.53	8.9	8.8
3571637	Drill Core	6.26	<0.005	<0.1	5.70	11	362	1	<0.1	0.49	<0.1	24	4.4	45	4.7	0.93	1.9	<0.05	0.68	10.6	10.3
3571638	Drill Core	4.76	<0.005	<0.1	5.62	7	511	2	<0.1	0.39	<0.1	29	8.2	55	4.5	1.01	2.5	<0.05	0.63	12.6	9.2

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 31, 2020

CERTIFICATE OF ANALYSIS TIM19002908.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3571609	Drill Core	2.21	303	1.4	3.723	3.1	48.8	0.077	3.0	5.1	<0.005	0.4	0.7	8	<1	0.1	48	0.3	<0.5	6.9	0.134
3571610	Rock Pulp	4.31	751	5.5	1.239	1.9	227.7	0.028	38.3	29.3	<0.005	0.8	0.8	19	<1	0.5	89	0.1	1.3	2.0	0.245
3571611	Drill Core	1.56	75	0.4	5.740	2.0	23.6	0.041	1.1	19.2	<0.005	<0.1	0.2	8	<1	0.4	90	0.2	<0.5	5.1	0.098
3571612	Drill Core	1.46	44	<0.1	5.809	1.5	22.1	0.040	0.9	11.4	<0.005	<0.1	0.1	8	<1	0.3	73	0.1	<0.5	3.6	0.086
3571613	Drill Core	1.30	58	0.1	5.051	1.1	24.7	0.052	1.5	16.3	<0.005	<0.1	0.1	6	<1	0.2	140	0.1	<0.5	5.5	0.059
3571614	Drill Core	1.47	56	0.4	5.509	1.1	25.6	0.066	1.5	20.9	<0.005	<0.1	0.1	9	<1	0.2	127	0.1	<0.5	7.6	0.071
3571615	Drill Core	1.16	70	0.3	4.354	0.4	354.2	0.026	5.2	14.8	<0.005	1.6	0.5	5	4	0.2	101	<0.1	<0.5	2.5	0.032
3571616	Drill Core	5.26	179	0.7	1.739	1.2	1225.6	0.011	15.0	15.0	<0.005	5.9	1.2	19	12	0.1	23	0.1	<0.5	2.1	0.061
3571617	Drill Core	1.46	60	0.3	5.053	1.1	37.4	0.052	1.3	25.9	<0.005	<0.1	0.2	7	<1	0.1	94	0.1	<0.5	5.1	0.087
3571618	Drill Core	1.09	63	0.2	5.154	0.5	28.5	0.038	2.2	14.8	<0.005	0.1	0.3	5	<1	0.1	129	<0.1	<0.5	4.7	0.033
3571619	Drill Core	1.32	59	0.2	5.295	0.8	19.5	0.033	2.2	23.5	<0.005	<0.1	0.2	6	<1	0.1	138	<0.1	<0.5	4.3	0.052
3571620	Rock Pulp	4.36	1433	0.6	2.418	3.5	98.3	0.036	3.1	3.9	<0.005	0.1	0.5	43	<1	0.5	116	0.2	<0.5	0.4	0.685
3571621	Drill Core	1.70	59	0.3	5.462	1.0	21.6	0.048	1.2	18.1	<0.005	<0.1	0.2	8	<1	0.2	89	<0.1	<0.5	3.8	0.067
3571622	Drill Core	1.37	40	0.1	5.428	0.8	17.7	0.033	1.6	15.9	<0.005	<0.1	0.1	5	<1	0.1	109	<0.1	<0.5	3.0	0.053
3571623	Drill Core	1.39	44	0.2	5.486	1.1	20.2	0.037	1.7	10.5	<0.005	<0.1	0.2	6	<1	0.2	105	<0.1	<0.5	3.8	0.065
3571624	Drill Core	1.42	45	0.4	5.586	1.2	22.4	0.042	1.7	12.5	<0.005	<0.1	0.2	6	<1	0.3	100	0.1	<0.5	3.9	0.072
3571625	Silica	0.03	34	<0.1	8.787	<0.1	0.2	<0.001	4.9	61.0	<0.005	<0.1	0.2	<1	<1	<0.1	31	<0.1	<0.5	0.1	<0.001
3571626	Drill Core	1.56	42	0.2	6.187	1.7	21.2	0.050	1.5	9.5	<0.005	<0.1	0.3	9	<1	0.3	95	0.2	<0.5	5.7	0.094
3571627	Drill Core	1.40	41	0.2	5.714	1.8	22.9	0.038	1.6	13.0	<0.005	<0.1	0.2	7	<1	0.2	104	0.2	<0.5	3.8	0.099
3571628	Drill Core	1.14	38	0.3	4.979	1.6	16.0	0.028	2.0	21.9	<0.005	<0.1	0.1	4	<1	0.2	143	0.1	<0.5	2.8	0.075
3571629	Drill Core	1.09	57	0.2	4.836	1.9	15.4	0.032	5.3	18.0	<0.005	<0.1	0.2	5	2	0.4	159	0.2	<0.5	3.1	0.080
3571630	Drill Core	1.51	54	<0.1	4.785	3.0	19.0	0.058	1.8	27.1	<0.005	<0.1	0.2	6	<1	0.2	181	0.3	<0.5	3.7	0.136
3571631	Drill Core	1.63	41	0.2	5.130	3.1	24.8	0.060	1.1	28.9	<0.005	<0.1	0.2	7	<1	0.3	107	0.3	<0.5	3.7	0.156
3571632	Drill Core	1.45	49	<0.1	5.015	2.3	23.7	0.056	1.2	19.0	<0.005	<0.1	0.1	6	<1	0.2	115	0.2	<0.5	4.1	0.126
3571633	Drill Core	1.15	60	0.4	4.900	1.2	21.4	0.030	1.8	25.0	<0.005	<0.1	0.3	4	<1	0.2	162	0.1	<0.5	3.0	0.064
3571634	Drill Core	1.33	63	0.5	5.318	1.0	21.7	0.039	1.2	24.1	<0.005	<0.1	0.2	6	<1	0.2	123	<0.1	<0.5	3.0	0.063
3571635	Drill Core	1.26	55	0.5	4.922	0.7	16.3	0.032	1.5	16.5	<0.005	<0.1	0.1	5	<1	0.2	134	<0.1	<0.5	2.2	0.050
3571636	Drill Core	1.41	58	0.6	5.105	1.2	25.3	0.056	1.5	25.1	<0.005	<0.1	0.2	7	<1	0.3	140	0.1	<0.5	4.4	0.072
3571637	Drill Core	1.66	46	0.3	5.199	1.6	26.7	0.055	2.0	21.3	<0.005	<0.1	0.3	7	<1	0.2	141	0.2	1.0	3.6	0.095
3571638	Drill Core	1.65	37	0.2	5.117	3.2	28.2	0.049	2.4	17.0	<0.005	0.1	0.2	8	<1	0.3	122	0.3	<0.5	5.1	0.144

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 31, 2020

CERTIFICATE OF ANALYSIS TIM19002908.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA550
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3571609	Drill Core	<0.5	2.8	63	7.1	12.0	11	75.7	
3571610	Rock Pulp	<0.5	0.5	136	12.7	9.8	79	49.5	12.1
3571611	Drill Core	<0.5	1.1	47	0.6	4.5	4	77.3	
3571612	Drill Core	<0.5	0.4	51	0.3	3.3	4	73.4	
3571613	Drill Core	<0.5	0.8	32	0.2	6.6	3	88.1	
3571614	Drill Core	<0.5	1.5	48	0.4	7.6	4	113.3	
3571615	Drill Core	<0.5	0.9	37	0.5	4.5	3	33.1	
3571616	Drill Core	<0.5	1.2	254	2.0	3.3	13	32.8	
3571617	Drill Core	<0.5	0.8	45	0.3	5.7	4	97.7	
3571618	Drill Core	<0.5	1.2	25	0.4	6.6	7	55.3	
3571619	Drill Core	<0.5	0.8	38	0.3	6.4	3	65.0	
3571620	Rock Pulp	<0.5	0.1	316	1.3	20.4	82	47.3	
3571621	Drill Core	<0.5	0.5	51	0.1	4.0	3	88.9	
3571622	Drill Core	<0.5	0.5	34	0.1	3.6	3	60.4	
3571623	Drill Core	<0.5	0.5	36	0.1	4.1	2	74.5	
3571624	Drill Core	<0.5	0.6	40	0.2	4.5	3	82.5	
3571625	Silica	0.8	0.1	<1	<0.1	1.5	3	10.1	
3571626	Drill Core	<0.5	0.7	60	0.3	5.1	3	91.1	
3571627	Drill Core	<0.5	0.6	46	0.2	4.5	3	70.3	
3571628	Drill Core	<0.5	0.8	30	<0.1	5.8	3	39.2	
3571629	Drill Core	<0.5	0.9	26	0.4	8.6	2	44.3	
3571630	Drill Core	<0.5	0.9	34	0.2	8.1	3	57.6	
3571631	Drill Core	<0.5	0.6	52	0.3	6.3	3	67.5	
3571632	Drill Core	<0.5	0.6	41	0.2	5.4	3	88.2	
3571633	Drill Core	<0.5	1.0	31	0.2	4.8	3	44.8	
3571634	Drill Core	<0.5	0.7	39	0.4	4.2	4	48.2	
3571635	Drill Core	<0.5	0.4	32	0.1	3.3	3	43.1	
3571636	Drill Core	<0.5	0.9	41	0.2	5.8	3	64.3	
3571637	Drill Core	<0.5	0.7	42	0.2	5.7	5	59.8	
3571638	Drill Core	<0.5	1.0	50	0.2	6.1	5	82.8	

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	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3571639	Drill Core	6.45	<0.005	<0.1	6.99	8	847	2	<0.1	0.63	<0.1	50	5.2	41	6.1	0.79	2.1	<0.05	0.71	24.7	9.4
3571640	Rock Pulp	0.07	5.326	1.0	6.40	23	229	<1	0.3	5.30	0.1	14	42.2	277	142.5	7.39	1.7	0.07	0.49	5.8	19.5
3571641	Drill Core	4.83	<0.005	<0.1	5.70	7	340	1	<0.1	0.83	<0.1	20	7.4	25	3.1	0.81	1.5	<0.05	0.52	9.9	6.6
3571642	Drill Core	5.67	<0.005	<0.1	5.54	3	363	1	<0.1	0.24	<0.1	11	4.2	23	2.1	0.80	1.2	<0.05	0.60	5.2	7.8
3571643	Drill Core	5.32	<0.005	<0.1	7.26	4	318	1	<0.1	0.66	<0.1	23	4.1	26	2.9	0.75	1.5	<0.05	0.43	11.3	6.7
3571644	Drill Core	4.11	<0.005	<0.1	5.72	12	241	2	<0.1	0.50	<0.1	14	11.6	35	45.9	1.05	1.9	<0.05	0.45	6.8	7.3
3571645	Drill Core	4.75	<0.005	<0.1	6.08	13	261	1	<0.1	0.54	<0.1	19	5.9	31	5.5	0.84	1.9	<0.05	0.57	9.3	8.1
3571646	Drill Core	4.70	<0.005	<0.1	5.17	6	281	2	<0.1	0.45	<0.1	24	3.5	39	14.3	1.13	2.1	<0.05	0.51	10.7	7.2
3571647	Drill Core	3.04	<0.005	<0.1	5.78	13	278	2	<0.1	0.31	<0.1	26	4.2	36	5.0	1.23	2.4	<0.05	0.58	13.0	7.9
3571648	Drill Core	3.41	<0.005	<0.1	5.98	6	152	<1	<0.1	1.47	<0.1	23	2.1	30	4.3	0.88	1.8	<0.05	0.27	10.7	4.2
3571649	Drill Core	3.15	<0.005	<0.1	5.99	6	225	2	<0.1	1.03	<0.1	15	2.8	46	5.2	1.23	2.0	<0.05	0.38	7.4	6.0
3571650	Silica	0.21	<0.005	<0.1	8.22	1	18	<1	<0.1	0.15	<0.1	1	<0.2	<1	0.9	0.16	0.1	<0.05	3.94	0.5	23.4
3571651	Drill Core	3.37	<0.005	<0.1	5.92	8	231	2	<0.1	1.31	<0.1	23	6.2	83	46.8	1.95	3.9	<0.05	0.49	10.8	7.8
3571652	Drill Core	5.10	<0.005	<0.1	6.12	13	275	2	<0.1	1.04	<0.1	47	4.4	55	10.4	0.99	3.1	<0.05	0.56	20.1	6.8
3571653	Drill Core	3.65	<0.005	<0.1	5.93	6	265	1	<0.1	1.06	<0.1	26	3.3	37	7.6	0.71	1.8	<0.05	0.43	10.8	5.7
3571654	Drill Core	4.90	<0.005	<0.1	7.19	12	290	1	<0.1	0.85	<0.1	45	7.4	68	18.3	1.04	3.2	<0.05	0.62	21.1	8.2
3571655	Drill Core	3.62	<0.005	<0.1	5.85	26	216	2	<0.1	1.13	<0.1	27	6.4	43	20.0	0.79	2.5	<0.05	0.44	11.4	6.3
3571656	Drill Core	2.91	<0.005	<0.1	7.07	16	192	2	<0.1	1.18	<0.1	26	3.6	38	9.7	0.69	2.0	<0.05	0.37	11.4	5.6
3571657	Drill Core	3.23	0.005	<0.1	6.30	119	156	2	<0.1	2.98	<0.1	49	15.8	35	38.6	0.83	2.1	<0.05	0.21	22.9	2.9
3571658	Drill Core	4.96	<0.005	<0.1	4.82	11	218	2	<0.1	0.41	<0.1	19	5.0	45	17.4	1.04	1.8	<0.05	0.49	8.7	7.8
3571659	Drill Core	4.57	<0.005	<0.1	6.61	2	87	1	<0.1	2.19	<0.1	45	0.9	27	2.0	0.70	2.4	<0.05	0.14	21.0	2.5
3571660	Rock Pulp	0.07	1.526	0.2	7.43	506	373	<1	<0.1	5.95	<0.1	39	40.9	196	82.4	9.07	3.7	0.07	0.70	22.1	9.8
3571661	Drill Core	4.10	<0.005	<0.1	5.73	14	444	4	<0.1	0.44	<0.1	47	4.4	58	2.2	0.82	2.6	<0.05	0.49	21.6	9.8
3571662	Drill Core	3.77	<0.005	<0.1	5.90	7	171	4	<0.1	1.86	<0.1	33	2.4	33	4.7	0.73	2.1	<0.05	0.29	15.9	4.7
3571663	Drill Core	4.13	<0.005	<0.1	6.68	8	118	2	<0.1	2.15	<0.1	30	2.8	31	5.1	0.89	2.0	<0.05	0.23	13.7	4.4
3571664	Drill Core	3.19	<0.005	<0.1	7.25	9	183	3	<0.1	1.23	<0.1	29	2.4	54	12.4	0.76	3.2	<0.05	0.39	12.0	5.9
3571665	Drill Core	2.84	<0.005	<0.1	5.51	8	229	2	<0.1	0.78	<0.1	10	3.1	40	5.7	0.97	2.0	<0.05	0.62	4.5	7.9
3571666	Drill Core	3.49	<0.005	<0.1	6.37	4	187	2	<0.1	2.15	<0.1	35	2.1	40	3.2	0.95	2.7	<0.05	0.39	14.4	6.0
3571667	Drill Core	4.68	<0.005	<0.1	5.36	22	262	2	<0.1	0.52	<0.1	13	10.2	54	13.2	1.21	2.4	<0.05	0.57	6.2	8.3
3571668	Drill Core	4.79	<0.005	<0.1	7.37	9	284	2	<0.1	0.85	<0.1	51	6.3	48	15.6	1.23	2.2	<0.05	0.56	25.8	7.0

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BUREAU VERITAS MINERAL LABORATORIES Canada

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 31, 2020

CERTIFICATE OF ANALYSIS TIM19002908.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3571639	Drill Core	1.37	38	0.2	5.192	1.9	21.8	0.043	2.7	25.6	<0.005	<0.1	0.2	8	<1	0.3	151	0.2	<0.5	5.3	0.098
3571640	Rock Pulp	4.07	1215	3.2	1.964	3.6	127.1	0.044	18.2	14.7	<0.005	0.4	0.4	36	<1	0.7	118	0.2	1.5	1.0	0.574
3571641	Drill Core	1.42	46	0.1	4.587	1.9	22.8	0.031	1.4	22.1	<0.005	<0.1	0.1	5	<1	0.2	151	0.2	0.6	2.9	0.092
3571642	Drill Core	1.39	35	0.3	5.335	1.4	19.9	0.025	1.1	22.4	<0.005	<0.1	0.1	5	<1	0.6	105	0.1	<0.5	2.4	0.077
3571643	Drill Core	1.18	48	0.3	5.380	1.2	16.3	0.025	1.6	14.7	<0.005	<0.1	0.1	5	<1	0.2	141	0.1	<0.5	2.8	0.062
3571644	Drill Core	1.39	47	0.2	4.841	1.1	48.9	0.047	2.2	16.9	<0.005	0.3	0.9	5	<1	0.3	115	0.1	<0.5	3.8	0.057
3571645	Drill Core	1.39	62	0.3	5.473	1.2	24.9	0.036	1.1	22.6	<0.005	<0.1	0.2	6	<1	0.3	97	0.1	<0.5	3.7	0.064
3571646	Drill Core	1.39	67	0.5	4.946	1.1	24.3	0.045	1.6	13.6	<0.005	<0.1	0.2	5	<1	0.2	104	<0.1	<0.5	3.2	0.066
3571647	Drill Core	1.51	65	0.5	5.083	1.0	23.5	0.035	1.2	25.4	<0.005	<0.1	0.1	6	<1	0.3	94	0.1	<0.5	4.8	0.071
3571648	Drill Core	1.00	145	0.6	5.411	0.7	14.4	0.033	1.3	8.4	<0.005	<0.1	0.2	5	<1	0.3	85	<0.1	<0.5	4.0	0.038
3571649	Drill Core	1.36	124	0.3	5.279	1.2	19.7	0.039	1.3	12.9	<0.005	<0.1	0.2	8	<1	0.4	88	0.1	0.6	4.8	0.060
3571650	Silica	0.02	28	0.1	8.100	<0.1	0.2	<0.001	4.6	52.8	<0.005	<0.1	0.1	<1	<1	<0.1	28	<0.1	<0.5	0.1	<0.001
3571651	Drill Core	1.76	150	2.3	4.830	1.0	27.8	0.071	3.8	23.4	<0.005	0.2	0.6	10	<1	0.4	91	<0.1	<0.5	7.2	0.077
3571652	Drill Core	1.50	106	0.4	5.389	1.5	27.9	0.070	2.3	24.8	<0.005	<0.1	0.2	9	2	0.5	111	0.1	<0.5	6.5	0.085
3571653	Drill Core	1.33	70	0.2	5.283	1.6	16.4	0.043	2.5	18.2	<0.005	<0.1	0.2	7	<1	0.4	138	0.1	0.6	4.3	0.073
3571654	Drill Core	1.62	48	0.4	5.313	1.9	30.4	0.070	3.6	34.1	<0.005	0.1	0.2	9	<1	0.5	123	0.2	<0.5	8.0	0.101
3571655	Drill Core	1.46	102	1.2	5.245	1.3	34.8	0.041	2.2	17.7	<0.005	<0.1	0.3	7	<1	0.3	106	0.1	<0.5	4.6	0.065
3571656	Drill Core	1.17	92	1.0	5.998	1.3	25.7	0.034	1.6	14.4	<0.005	<0.1	0.2	6	<1	0.3	98	0.1	<0.5	4.3	0.059
3571657	Drill Core	1.81	198	2.2	5.313	1.1	105.2	0.035	4.5	10.0	<0.005	0.1	0.5	10	<1	0.3	118	0.1	0.7	4.2	0.048
3571658	Drill Core	1.34	42	0.3	5.146	1.4	32.8	0.043	2.1	12.6	<0.005	<0.1	0.2	6	<1	0.4	61	0.1	<0.5	3.4	0.084
3571659	Drill Core	1.53	291	0.9	5.749	0.8	6.2	0.031	3.0	4.3	<0.005	<0.1	0.1	8	<1	0.3	67	<0.1	0.7	7.5	0.031
3571660	Rock Pulp	4.06	1930	2.7	2.213	19.8	143.4	0.178	5.1	20.6	<0.005	0.8	2.6	20	<1	1.9	376	1.1	2.0	3.3	0.942
3571661	Drill Core	1.38	54	1.8	7.142	1.5	34.0	0.043	2.1	5.3	<0.005	<0.1	0.2	7	<1	2.9	53	0.1	0.5	4.0	0.080
3571662	Drill Core	1.31	156	1.3	5.513	1.0	17.7	0.031	1.4	10.1	<0.005	<0.1	0.2	7	<1	0.2	91	<0.1	0.6	4.0	0.045
3571663	Drill Core	1.75	266	1.9	5.734	0.9	13.9	0.032	1.7	8.4	<0.005	<0.1	0.2	10	<1	0.2	81	<0.1	0.6	4.6	0.037
3571664	Drill Core	1.19	115	1.2	5.775	1.8	21.6	0.059	3.5	16.0	<0.005	<0.1	0.2	6	<1	0.5	119	0.2	0.5	7.2	0.073
3571665	Drill Core	1.53	93	0.6	5.866	1.4	25.8	0.034	1.2	11.8	<0.005	<0.1	0.2	6	<1	0.4	68	0.1	<0.5	2.9	0.079
3571666	Drill Core	1.26	164	1.2	5.645	1.3	17.2	0.042	1.7	17.1	<0.005	<0.1	0.2	8	<1	0.3	103	0.1	0.5	4.2	0.060
3571667	Drill Core	1.63	71	0.3	5.398	1.2	37.1	0.053	3.7	16.0	<0.005	0.1	0.2	6	<1	0.4	81	0.1	0.5	4.2	0.080
3571668	Drill Core	1.64	54	0.3	5.312	1.4	29.3	0.059	4.1	29.0	<0.005	0.2	0.3	6	<1	0.3	119	0.1	<0.5	4.8	0.078

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 31, 2020

CERTIFICATE OF ANALYSIS TIM19002908.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA550
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3571639	Drill Core	<0.5	1.3	48	0.2	8.9	5	72.2	
3571640	Rock Pulp	<0.5	0.3	261	6.0	21.2	97	48.8	
3571641	Drill Core	<0.5	0.9	29	0.1	6.4	3	51.2	
3571642	Drill Core	<0.5	0.5	31	<0.1	3.6	4	39.5	
3571643	Drill Core	<0.5	0.7	28	0.1	5.0	4	46.4	
3571644	Drill Core	<0.5	0.8	29	0.2	5.2	4	66.5	
3571645	Drill Core	<0.5	1.2	40	0.3	5.2	4	60.0	
3571646	Drill Core	<0.5	0.7	38	0.3	4.5	11	70.5	
3571647	Drill Core	<0.5	0.9	42	0.2	4.9	5	74.0	
3571648	Drill Core	<0.5	1.6	29	0.7	6.8	3	59.5	
3571649	Drill Core	<0.5	1.3	45	0.6	6.0	6	70.4	
3571650	Silica	0.6	<0.1	<1	<0.1	1.4	2	7.5	
3571651	Drill Core	<0.5	2.8	63	2.4	9.3	16	129.9	
3571652	Drill Core	<0.5	2.3	53	0.6	10.4	5	92.5	
3571653	Drill Core	<0.5	1.0	40	0.3	6.0	4	57.1	
3571654	Drill Core	<0.5	1.9	58	0.3	8.4	4	107.4	
3571655	Drill Core	<0.5	1.7	44	0.5	8.1	3	82.5	
3571656	Drill Core	<0.5	1.9	37	0.6	8.0	2	69.3	
3571657	Drill Core	<0.5	2.5	37	0.9	15.1	2	70.2	
3571658	Drill Core	<0.5	0.5	44	0.3	4.2	30	59.5	
3571659	Drill Core	<0.5	2.5	25	1.3	10.5	2	78.0	
3571660	Rock Pulp	<0.5	1.0	165	1.3	23.4	123	123.4	
3571661	Drill Core	<0.5	0.9	70	1.1	9.0	4	83.8	
3571662	Drill Core	<0.5	1.4	32	1.1	22.8	3	64.8	
3571663	Drill Core	<0.5	1.8	40	1.6	12.2	3	64.8	
3571664	Drill Core	<0.5	2.9	39	0.9	10.0	3	111.6	
3571665	Drill Core	<0.5	1.0	48	0.3	5.5	4	66.1	
3571666	Drill Core	<0.5	1.9	43	0.8	11.0	4	86.0	
3571667	Drill Core	<0.5	1.3	53	0.3	5.9	5	79.4	
3571668	Drill Core	<0.5	1.6	39	0.3	7.5	8	66.0	

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145 Wellington St. West, Suite 1001
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Project: SPJ
Report Date: January 31, 2020

CERTIFICATE OF ANALYSIS TIM19002908.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3571669	Drill Core	4.34	<0.005	<0.1	5.86	8	256	1	<0.1	0.83	<0.1	63	7.7	38	8.2	0.88	1.9	<0.05	0.46	32.0	5.9
3571670	Drill Core	4.07	<0.005	<0.1	5.90	6	1081	3	<0.1	0.37	<0.1	21	5.1	67	8.1	1.02	3.8	<0.05	0.89	9.5	12.8
3571671	Drill Core	5.53	<0.005	<0.1	5.67	8	225	1	<0.1	0.69	<0.1	67	5.4	26	4.6	0.68	1.8	<0.05	0.40	35.2	5.8
3571672	Drill Core	3.29	0.298	<0.1	7.67	5	202	3	<0.1	1.23	<0.1	28	3.0	52	7.2	1.67	2.9	0.12	0.37	10.7	5.8
3571673	Rock Pulp	0.07	>10	2.2	5.54	54	242	<1	0.8	3.91	0.4	13	34.1	495	120.8	4.72	1.4	0.06	0.77	6.6	33.4
3571674	Drill Core	4.63		<0.1	4.97	4	165	2	<0.1	0.34	<0.1	13	1.8	63	8.0	1.64	2.6	<0.05	0.28	5.0	4.3
3571675	Silica	0.21	<0.005	<0.1	8.16	1	16	<1	<0.1	0.15	<0.1	1	<0.2	<1	1.0	0.17	0.2	<0.05	3.98	0.4	25.2
3571676	Drill Core	3.64	<0.005	<0.1	9.76	7	260	3	<0.1	1.67	<0.1	25	3.4	46	2.3	1.61	2.3	<0.05	0.51	11.3	7.2
3571677	Drill Core	3.73	0.006	<0.1	6.87	2	106	2	<0.1	2.02	<0.1	41	1.8	48	1.4	1.83	2.3	<0.05	0.17	17.4	5.0
3571678	Drill Core	4.39	<0.005	<0.1	6.89	5	121	4	<0.1	2.64	<0.1	34	1.9	53	1.9	1.23	2.8	<0.05	0.20	14.4	5.1
3571679	Drill Core	4.04	<0.005	<0.1	6.68	3	97	2	<0.1	2.91	<0.1	23	1.9	53	1.5	1.89	2.7	<0.05	0.15	10.4	5.9
3571680	Rock Pulp	0.07	0.505	0.2	7.48	5	152	<1	<0.1	7.01	0.1	10	47.3	176	152.1	8.44	1.5	0.08	0.20	4.0	13.8
3571681	Drill Core	3.64	<0.005	<0.1	6.74	3	150	3	<0.1	1.78	<0.1	25	1.4	42	2.1	0.83	3.0	<0.05	0.30	10.6	4.8
3571682	Drill Core	3.97	<0.005	<0.1	6.53	11	197	2	<0.1	1.55	<0.1	19	2.9	40	11.1	0.86	2.4	<0.05	0.48	7.6	6.6
3571683	Drill Core	4.55	<0.005	<0.1	6.54	25	131	12	<0.1	2.14	<0.1	32	4.5	41	16.3	0.78	2.7	<0.05	0.28	13.5	3.8
3571684	Drill Core	4.12	<0.005	<0.1	10.34	81	348	2	<0.1	1.56	<0.1	45	6.9	63	23.5	0.99	3.1	<0.05	0.53	18.8	8.2
3571685	Drill Core	4.71	<0.005	<0.1	7.26	9	278	2	<0.1	1.22	<0.1	39	2.6	51	10.6	0.85	2.2	<0.05	0.62	16.7	8.5
3571686	Drill Core	4.06	<0.005	<0.1	6.84	14	168	2	<0.1	1.52	<0.1	32	8.2	40	26.9	0.97	2.1	<0.05	0.47	13.7	6.9
3571687	Drill Core	4.24	<0.005	<0.1	6.51	12	188	2	<0.1	1.28	<0.1	37	5.8	42	15.5	0.86	2.4	<0.05	0.55	16.8	8.1
3571688	Drill Core	4.13	<0.005	<0.1	6.35	12	187	2	<0.1	1.27	<0.1	34	5.5	41	15.0	0.84	2.3	<0.05	0.53	14.9	8.4

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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3571669	Drill Core	1.38	41	0.2	5.137	1.2	19.1	0.046	2.2	19.1	<0.005	<0.1	0.2	5	<1	0.2	117	0.1	<0.5	4.6	0.068
3571670	Drill Core	1.55	33	1.2	6.323	3.4	24.9	0.052	2.3	13.9	<0.005	<0.1	0.3	10	<1	0.6	72	0.3	<0.5	5.8	0.128
3571671	Drill Core	1.30	51	0.4	5.089	0.9	18.6	0.028	1.9	17.6	<0.005	<0.1	0.1	5	<1	0.3	126	<0.1	0.6	3.3	0.055
3571672	Drill Core	1.20	128	0.4	5.627	2.5	15.0	0.058	1.3	14.9	<0.005	<0.1	0.2	7	<1	0.3	106	0.3	<0.5	4.9	0.105
3571673	Rock Pulp	4.39	774	6.6	1.234	2.3	233.9	0.026	39.3	29.8	<0.005	0.8	0.8	21	<1	0.5	95	0.1	3.8	2.0	0.246
3571674	Drill Core	0.69	86	0.5	6.399	4.0	12.4	0.038	0.9	3.5	<0.005	<0.1	0.2	3	<1	0.3	54	0.4	<0.5	3.4	0.177
3571675	Silica	0.02	29	0.1	8.553	<0.1	0.4	<0.001	4.3	53.1	<0.005	<0.1	0.1	<1	<1	<0.1	26	<0.1	<0.5	0.1	<0.001
3571676	Drill Core	1.44	180	5.6	6.316	1.4	22.0	0.038	1.1	22.2	0.005	<0.1	0.2	7	<1	0.3	106	0.1	0.6	4.9	0.077
3571677	Drill Core	1.56	357	6.1	5.912	1.1	15.5	0.036	1.1	4.7	<0.005	<0.1	0.2	8	<1	0.2	79	0.1	<0.5	4.8	0.061
3571678	Drill Core	1.56	302	2.5	6.021	1.4	11.3	0.045	1.5	6.8	<0.005	<0.1	0.2	10	<1	0.2	87	0.1	1.1	7.1	0.054
3571679	Drill Core	1.77	383	1.7	4.946	0.9	13.1	0.051	1.5	5.5	<0.005	<0.1	0.1	10	<1	0.2	89	<0.1	0.9	5.3	0.039
3571680	Rock Pulp	4.43	1451	0.8	2.420	3.7	95.8	0.042	3.0	3.8	<0.005	0.2	0.5	46	<1	0.7	125	0.2	2.8	0.4	0.680
3571681	Drill Core	1.16	175	2.6	6.225	1.1	12.3	0.046	1.2	10.7	<0.005	<0.1	0.1	6	<1	0.2	98	0.1	<0.5	6.1	0.052
3571682	Drill Core	1.68	135	1.7	5.945	1.3	19.6	0.042	2.5	18.3	<0.005	<0.1	0.2	9	<1	0.3	93	0.1	1.0	4.9	0.062
3571683	Drill Core	1.54	155	3.5	6.217	1.3	26.4	0.052	3.1	9.3	0.005	0.1	0.2	9	<1	0.7	86	0.1	0.8	4.9	0.053
3571684	Drill Core	1.51	105	2.6	7.157	2.3	72.3	0.056	4.2	15.3	<0.005	0.2	0.4	9	<1	0.5	110	0.2	<0.5	7.7	0.096
3571685	Drill Core	1.78	85	0.9	6.637	2.2	20.6	0.034	2.8	23.4	<0.005	<0.1	0.2	11	<1	0.4	108	0.2	0.7	5.0	0.102
3571686	Drill Core	1.96	62	0.7	6.000	1.6	36.0	0.032	4.9	27.6	<0.005	0.2	0.2	8	<1	0.5	114	0.1	1.1	4.1	0.076
3571687	Drill Core	1.97	80	0.5	5.643	1.7	22.5	0.041	4.2	29.0	<0.005	<0.1	0.2	8	<1	0.4	102	0.1	0.6	5.0	0.081
3571688	Drill Core	1.93	76	0.5	5.595	1.5	22.2	0.043	4.1	27.8	<0.005	<0.1	0.2	8	<1	0.5	102	0.2	0.9	5.1	0.079

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Bureau Veritas Commodities Canada Ltd.

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 31, 2020

CERTIFICATE OF ANALYSIS TIM19002908.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA550
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3571669	Drill Core	<0.5	0.9	31	0.2	6.5	3	58.5	
3571670	Drill Core	<0.5	1.2	78	0.4	7.8	5	112.1	
3571671	Drill Core	<0.5	0.8	32	0.2	6.9	4	55.0	
3571672	Drill Core	<0.5	2.3	44	2.9	9.5	7	105.1	
3571673	Rock Pulp	<0.5	0.5	140	12.8	10.4	88	53.8	12.0
3571674	Drill Core	<0.5	1.3	42	4.8	3.2	7	102.4	
3571675	Silica	0.6	<0.1	<1	<0.1	1.1	2	8.6	
3571676	Drill Core	<0.5	1.5	53	0.7	7.5	8	84.5	
3571677	Drill Core	<0.5	1.7	50	3.0	8.5	7	82.3	
3571678	Drill Core	<0.5	2.0	55	1.7	22.8	6	105.6	
3571679	Drill Core	<0.5	2.1	69	2.0	11.5	9	95.3	
3571680	Rock Pulp	<0.5	0.1	321	1.1	23.4	92	51.9	
3571681	Drill Core	<0.5	1.9	38	0.7	10.5	4	100.8	
3571682	Drill Core	<0.5	1.5	56	0.4	8.2	4	93.3	
3571683	Drill Core	<0.5	1.6	49	0.6	10.7	3	91.4	
3571684	Drill Core	<0.5	3.0	80	1.4	11.3	3	115.0	
3571685	Drill Core	<0.5	1.7	73	0.7	8.2	3	80.7	
3571686	Drill Core	<0.5	1.7	64	0.5	9.0	4	76.6	
3571687	Drill Core	<0.5	1.6	56	0.4	8.3	4	87.5	
3571688	Drill Core	<0.5	1.6	55	0.3	8.2	4	80.9	

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 31, 2020

QUALITY CONTROL REPORT TIM19002908.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
Pulp Duplicates																					
3571611	Drill Core	4.26	<0.005	<0.1	6.02	3	245	2	<0.1	0.57	<0.1	15	2.4	50	1.6	1.09	2.5	<0.05	0.56	6.0	8.4
REP 3571611	QC			<0.1	6.50	3	237	<1	<0.1	0.60	<0.1	15	2.3	49	1.7	1.06	2.0	<0.05	0.54	6.1	7.9
3571629	Drill Core	6.32	<0.005	<0.1	5.73	3	293	<1	<0.1	1.16	<0.1	36	4.0	26	1.6	0.67	1.3	<0.05	0.48	16.1	5.9
REP 3571629	QC		<0.005																		
3571644	Drill Core	4.11	<0.005	<0.1	5.72	12	241	2	<0.1	0.50	<0.1	14	11.6	35	45.9	1.05	1.9	<0.05	0.45	6.8	7.3
REP 3571644	QC			<0.1	5.85	11	261	1	<0.1	0.51	<0.1	17	10.8	34	48.8	1.05	1.9	<0.05	0.46	7.7	6.8
3571652	Drill Core	5.10	<0.005	<0.1	6.12	13	275	2	<0.1	1.04	<0.1	47	4.4	55	10.4	0.99	3.1	<0.05	0.56	20.1	6.8
REP 3571652	QC		<0.005																		
3571673	Rock Pulp	0.07	>10	2.2	5.54	54	242	<1	0.8	3.91	0.4	13	34.1	495	120.8	4.72	1.4	0.06	0.77	6.6	33.4
REP 3571673	QC																				
3571678	Drill Core	4.39	<0.005	<0.1	6.89	5	121	4	<0.1	2.64	<0.1	34	1.9	53	1.9	1.23	2.8	<0.05	0.20	14.4	5.1
REP 3571678	QC			<0.1	7.10	5	123	5	<0.1	2.64	<0.1	35	1.7	50	2.3	1.24	3.0	<0.05	0.19	15.4	4.9
Core Reject Duplicates																					
3571633	Drill Core	5.61	<0.005	<0.1	5.86	12	437	2	<0.1	0.58	<0.1	29	4.2	24	6.8	0.83	1.2	<0.05	0.57	14.2	7.5
DUP 3571633	QC		<0.005	<0.1	6.05	12	453	2	<0.1	0.59	<0.1	29	4.0	25	7.5	0.90	1.3	<0.05	0.55	14.4	6.0
3571667	Drill Core	4.68	<0.005	<0.1	5.36	22	262	2	<0.1	0.52	<0.1	13	10.2	54	13.2	1.21	2.4	<0.05	0.57	6.2	8.3
DUP 3571667	QC		<0.005	<0.1	5.49	19	267	2	<0.1	0.53	<0.1	14	9.9	55	12.3	1.22	2.6	<0.05	0.59	6.2	8.2
Reference Materials																					
STD OREAS25A-4A	Standard			<0.1	8.73	10	146	<1	0.4	0.27	0.1	48	7.7	116	35.6	6.59	4.2	0.10	0.50	21.3	37.9
STD OREAS25A-4A	Standard			<0.1	9.11	11	147	<1	0.3	0.29	<0.1	48	7.6	118	36.5	6.89	4.6	0.11	0.52	20.7	41.3
STD OREAS25A-4A	Standard			<0.1	8.75	10	151	<1	0.3	0.28	<0.1	45	7.6	111	32.3	6.51	4.0	0.08	0.46	21.1	35.0
STD OREAS45H	Standard			0.1	8.46	16	357	<1	0.2	0.14	<0.1	27	89.7	632	781.2	21.24	3.7	0.11	0.22	14.1	15.3
STD OREAS45E	Standard			0.3	6.99	18	251	<1	0.3	0.06	<0.1	26	57.2	995	770.3	24.96	3.0	0.13	0.35	11.8	7.0
STD OREAS45E	Standard			0.3	6.96	15	253	<1	0.3	0.06	<0.1	23	52.8	951	782.6	23.37	2.8	0.10	0.33	10.8	6.1
STD OXC145	Standard		0.209																		
STD OXC145	Standard		0.199																		
STD OXC145	Standard		0.200																		
STD OXH139	Standard		1.279																		

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 31, 2020

QUALITY CONTROL REPORT TIM19002908.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
Pulp Duplicates																					
3571611	Drill Core	1.56	75	0.4	5.740	2.0	23.6	0.041	1.1	19.2	<0.005	<0.1	0.2	8	<1	0.4	90	0.2	<0.5	5.1	0.098
REP 3571611	QC	1.48	73	0.4	5.505	1.9	22.4	0.036	1.0	19.8	<0.005	<0.1	0.2	8	<1	0.3	88	0.2	<0.5	5.0	0.091
3571629	Drill Core	1.09	57	0.2	4.836	1.9	15.4	0.032	5.3	18.0	<0.005	<0.1	0.2	5	2	0.4	159	0.2	<0.5	3.1	0.080
REP 3571629	QC																				
3571644	Drill Core	1.39	47	0.2	4.841	1.1	48.9	0.047	2.2	16.9	<0.005	0.3	0.9	5	<1	0.3	115	0.1	<0.5	3.8	0.057
REP 3571644	QC	1.41	48	0.2	4.868	1.1	44.7	0.046	2.2	19.2	<0.005	0.3	1.1	5	1	0.3	125	0.1	<0.5	4.5	0.057
3571652	Drill Core	1.50	106	0.4	5.389	1.5	27.9	0.070	2.3	24.8	<0.005	<0.1	0.2	9	2	0.5	111	0.1	<0.5	6.5	0.085
REP 3571652	QC																				
3571673	Rock Pulp	4.39	774	6.6	1.234	2.3	233.9	0.026	39.3	29.8	<0.005	0.8	0.8	21	<1	0.5	95	0.1	3.8	2.0	0.246
REP 3571673	QC																				
3571678	Drill Core	1.56	302	2.5	6.021	1.4	11.3	0.045	1.5	6.8	<0.005	<0.1	0.2	10	<1	0.2	87	0.1	1.1	7.1	0.054
REP 3571678	QC	1.58	302	2.9	6.035	1.3	11.3	0.045	1.5	7.5	<0.005	<0.1	0.1	10	<1	0.2	88	0.1	<0.5	7.0	0.052
Core Reject Duplicates																					
3571633	Drill Core	1.15	60	0.4	4.900	1.2	21.4	0.030	1.8	25.0	<0.005	<0.1	0.3	4	<1	0.2	162	0.1	<0.5	3.0	0.064
DUP 3571633	QC	1.18	60	0.4	5.026	1.1	22.9	0.032	1.8	25.7	<0.005	<0.1	0.3	4	2	0.2	167	0.1	<0.5	3.0	0.065
3571667	Drill Core	1.63	71	0.3	5.398	1.2	37.1	0.053	3.7	16.0	<0.005	0.1	0.2	6	<1	0.4	81	0.1	0.5	4.2	0.080
DUP 3571667	QC	1.67	72	0.4	5.522	1.2	35.8	0.059	3.5	16.9	<0.005	<0.1	0.3	6	<1	0.3	83	0.1	0.7	4.9	0.083
Reference Materials																					
STD OREAS25A-4A	Standard	0.34	477	2.3	0.135	19.8	48.9	0.050	25.2	56.0	<0.005	<0.1	0.7	13	2	4.0	49	1.3	<0.5	15.5	0.864
STD OREAS25A-4A	Standard	0.35	501	2.6	0.144	20.2	46.3	0.055	24.7	58.9	<0.005	<0.1	0.7	13	3	4.1	50	1.5	<0.5	15.7	0.943
STD OREAS25A-4A	Standard	0.36	477	2.2	0.122	18.0	46.3	0.046	24.2	60.9	<0.005	<0.1	0.6	13	1	3.9	46	1.3	<0.5	15.5	0.870
STD OREAS45H	Standard	0.27	399	1.7	0.095	14.7	443.8	0.024	12.9	23.1	<0.005	<0.1	0.6	62	<1	2.1	32	1.0	<0.5	7.6	0.886
STD OREAS45E	Standard	0.16	552	2.4	0.055	6.5	464.7	0.036	18.1	21.7	<0.005	<0.1	1.0	96	2	1.5	17	0.5	<0.5	12.9	0.527
STD OREAS45E	Standard	0.16	564	1.8	0.056	5.8	470.7	0.037	18.3	21.7	<0.005	<0.1	1.0	91	2	1.1	16	0.5	<0.5	13.4	0.530
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXH139	Standard																				

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Project: SPJ
Report Date: January 31, 2020

QUALITY CONTROL REPORT TIM19002908.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA550
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
Pulp Duplicates									
3571611	Drill Core	<0.5	1.1	47	0.6	4.5	4	77.3	
REP 3571611	QC	<0.5	1.0	45	0.7	4.7	4	69.3	
3571629	Drill Core	<0.5	0.9	26	0.4	8.6	2	44.3	
REP 3571629	QC								
3571644	Drill Core	<0.5	0.8	29	0.2	5.2	4	66.5	
REP 3571644	QC	<0.5	0.9	29	0.2	5.8	4	65.5	
3571652	Drill Core	<0.5	2.3	53	0.6	10.4	5	92.5	
REP 3571652	QC								
3571673	Rock Pulp	<0.5	0.5	140	12.8	10.4	88	53.8	12.0
REP 3571673	QC								I.S.
3571678	Drill Core	<0.5	2.0	55	1.7	22.8	6	105.6	
REP 3571678	QC	<0.5	2.0	55	1.3	23.3	6	106.0	
Core Reject Duplicates									
3571633	Drill Core	<0.5	1.0	31	0.2	4.8	3	44.8	
DUP 3571633	QC	<0.5	1.0	33	0.3	5.1	3	46.5	
3571667	Drill Core	<0.5	1.3	53	0.3	5.9	5	79.4	
DUP 3571667	QC	<0.5	1.6	53	0.3	5.9	5	81.1	
Reference Materials									
STD OREAS25A-4A	Standard	<0.5	2.9	156	2.0	10.3	50	147.5	
STD OREAS25A-4A	Standard	<0.5	2.9	161	1.9	10.7	51	161.6	
STD OREAS25A-4A	Standard	<0.5	2.6	152	1.8	9.4	40	152.1	
STD OREAS45H	Standard	<0.5	1.8	271	1.0	10.6	47	130.2	
STD OREAS45E	Standard	<0.5	2.4	318	1.0	8.5	48	93.0	
STD OREAS45E	Standard	<0.5	2.5	321	1.0	8.0	46	92.8	
STD OXC145	Standard								
STD OXC145	Standard								
STD OXC145	Standard								
STD OXH139	Standard								

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Project: SPJ
Report Date: January 31, 2020

QUALITY CONTROL REPORT TIM19002908.1

		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
STD OXH139	Standard		1.253																		
STD OXH139	Standard		1.285																		
STD OXN134	Standard		7.470																		
STD OXN134	Standard		7.403																		
STD OXN134	Standard		7.376																		
STD OXP116	Standard																				
STD OXQ90	Standard																				
STD OXQ90	Standard																				
STD OREAS45H Expected				0.147	7.99	16.9	332	1.09	0.17	0.135		23.6	88	602	767	19.52	3.6	0.1	0.205	12.4	13.1
STD OREAS25A-4A Expected					8.87	9.94	147	0.93	0.37	0.301		47.3	7.7	115	33.9	6.6	4.14	0.09	0.482	21.8	36.7
STD OREAS45E Expected				0.311	6.78	16.3	252		0.28	0.065	0.06	23.5	57	979	780	24.12	3.11	0.099	0.324	11	6.58
STD OXC145 Expected			0.212																		
STD OXN134 Expected			7.667																		
STD OXH139 Expected			1.312																		
STD OXP116 Expected																					
STD OXQ90 Expected																					
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	0.2
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	0.1
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank																				
Prep Wash																					
ROCK-TIM	Prep Blank		<0.005	<0.1	6.82	2	706	<1	<0.1	1.45	<0.1	23	3.8	4	3.7	2.11	1.4	<0.05	1.46	11.6	1.3
ROCK-TIM	Prep Blank		<0.005	<0.1	6.86	2	814	1	<0.1	1.46	<0.1	24	4.3	4	3.7	2.15	1.9	0.07	1.52	12.0	2.4

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BUREAU VERITAS
MINERAL LABORATORIES
Canada

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 31, 2020

QUALITY CONTROL REPORT TIM19002908.1

		MA200 Mg % 0.01	MA200 Mn ppm 1	MA200 Mo ppm 0.1	MA200 Na % 0.001	MA200 Nb ppm 0.1	MA200 Ni ppm 0.1	MA200 P % 0.001	MA200 Pb ppm 0.1	MA200 Rb ppm 0.1	MA200 Re ppm 0.005	MA200 S % 0.1	MA200 Sb ppm 0.1	MA200 Sc ppm 1	MA200 Se ppm 1	MA200 Sn ppm 0.1	MA200 Sr ppm 1	MA200 Ta ppm 0.1	MA200 Te ppm 0.5	MA200 Th ppm 0.1	MA200 Ti % 0.001
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXP116	Standard																				
STD OXQ90	Standard																				
STD OXQ90	Standard																				
STD OREAS45H Expected		0.238	380	1.55	0.09	14.8	423	0.023	11.9	22.5			0.63	57	2.02	1.93	27.1	1.08		7.26	0.878
STD OREAS25A-4A Expected		0.327	480	2.41	0.131	20.9	45.8	0.048	25.2	61		0.047	0.65	13.7	2.4	4.06	48.5	1.4		15.8	0.93
STD OREAS45E Expected		0.156	570	2.4	0.059	6.8	454	0.034	18.2	21.2		0.046	1	93	2.97	1.32	15.9	0.54	0.1	12.9	0.559
STD OXC145 Expected																					
STD OXN134 Expected																					
STD OXH139 Expected																					
STD OXP116 Expected																					
STD OXQ90 Expected																					
BLK	Blank	<0.01	<1	<0.1	0.003	<0.1	<0.1	<0.001	<0.1	0.2	<0.005	<0.1	<0.1	<1	2	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.002	<0.1	<0.1	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	2	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	<0.001	<0.1	<0.1	<0.001	<0.1	0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-TIM	Prep Blank	0.60	680	0.7	3.641	5.2	1.6	0.038	2.2	28.0	<0.005	<0.1	0.1	6	<1	0.7	189	0.4	<0.5	2.6	0.199
ROCK-TIM	Prep Blank	0.61	688	1.1	3.680	5.4	1.9	0.043	2.4	28.9	<0.005	<0.1	0.1	7	<1	0.6	204	0.4	<0.5	2.7	0.209

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 31, 2020

QUALITY CONTROL REPORT TIM19002908.1

		MA200 Tl ppm 0.5	MA200 U ppm 0.1	MA200 V ppm 1	MA200 W ppm 0.1	MA200 Y ppm 0.1	MA200 Zn ppm 1	MA200 Zr ppm 0.1	FA550 Au gm/t 0.9
STD OXH139	Standard								
STD OXH139	Standard								
STD OXN134	Standard								
STD OXN134	Standard								
STD OXN134	Standard								
STD OXP116	Standard								15.2
STD OXQ90	Standard								25.5
STD OXQ90	Standard								25.3
STD OREAS45H Expected			1.68	263	0.99	10.4	39.7	131	
STD OREAS25A-4A Expected		0.35	2.94	157	2	10.5	44.4	155	
STD OREAS45E Expected		0.15	2.41	322	1.07	8.28	46.7	97	
STD OXC145 Expected									
STD OXN134 Expected									
STD OXH139 Expected									
STD OXP116 Expected									14.92
STD OXQ90 Expected									24.88
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1	
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1	
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	0.2	
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								<0.9
Prep Wash									
ROCK-TIM	Prep Blank	<0.5	1.2	38	0.2	15.6	35	47.4	
ROCK-TIM	Prep Blank	<0.5	1.2	39	0.3	15.4	40	49.3	

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By:	Quentin Yarie
Receiving Lab:	Canada-Timmins
Received:	December 30, 2019
Analysis Start:	January 10, 2020
Report Date:	January 24, 2020
Page:	1 of 2

CERTIFICATE OF ANALYSIS TIM19002908M.1

CLIENT JOB INFORMATION

Project:	SPJ
Shipment ID:	
P.O. Number	
Number of Samples:	2

SAMPLE DISPOSAL

RTRN-PLP	Return After 90 days
RTRN-RJT	Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PUL85	2	Pulverize to 85% passing 200 mesh			TIM
SPTRF	2	Split samples by riffle splitter			TIM
FS652	2	Metallic Sieve 1 kg to 150 mesh - save + and - fraction		Completed	TIM
FS652	2	Metallic Fire Assay - duplicate minus fraction analysis	50	Completed	TIM
EN002	2	Environmental disposal charge-Fire assay lead waste			TIM

ADDITIONAL COMMENTS

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
Marcus Lau
MARCUS LAU
Production Manager

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All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 24, 2020

CERTIFICATE OF ANALYSIS TIM19002908M.1

	Method	M150 1kg	FA450	FA450	FS652	FS652	FS652
	Analyte	TotWt	-Au	-Au + Au Wt		+ Au	Au Total
	Unit	g	gm/t	gm/t	g	gm/t	gm/t
	MDL	1	0.005	0.005	0.01	0.05	0.05
3571609	Drill Core	1059	4.469	3.358	39.43	183.90	10.72
3571674	Drill Core	1108	3.348	3.181	40.05	33.70	4.431

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 24, 2020

QUALITY CONTROL REPORT TIM19002908M.1

	Method	M150 1kg	FA450	FA450	FS652	FS652	FS652
	Analyte	TotWt	-Au	-Au	+ Au Wt	+ Au	Au Total
	Unit	g	gm/t	gm/t	g	gm/t	gm/t
	MDL	1	0.005	0.005	0.01	0.05	0.05
Pulp Duplicates							
3571674	Drill Core	1108	3.348	3.181	40.05	33.30	4.364
REP 3571674	QC			0.092			
Reference Materials							
STD OXC145	Standard			0.200			
STD OXC145	Standard		0.199				
STD OXC145	Standard			0.208			
STD OXH139	Standard			1.355			
STD OXH139	Standard		1.253				
STD OXH139	Standard			1.309			
STD OXN134	Standard			7.297			
STD OXN134	Standard		7.403				
STD OXN134	Standard			7.343			
STD OXQ90	Standard				49.28	25.06	
STD OXQ90 Expected						24.88	
BLK	Blank			<0.005			
BLK	Blank			<0.005			
BLK	Blank				50.00	<0.05	
BLK	Blank		<0.005				
BLK	Blank		<0.005				
BLK	Blank			<0.005			
BLK	Blank			<0.005			
Prep Wash							
ROCK-TIM	Prep Blank	808	<0.005	<0.005	37.96	<0.05	<0.05

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By:	Quentin Yarie
Receiving Lab:	Canada-Timmins
Received:	December 16, 2019
Analysis Start:	January 15, 2020
Report Date:	January 31, 2020
Page:	1 of 4

CERTIFICATE OF ANALYSIS TIM19002909.1

CLIENT JOB INFORMATION

Project:	SPJ
Shipment ID:	
P.O. Number	
Number of Samples:	80

SAMPLE DISPOSAL

RTRN-PLP	Return After 90 days
RTRN-RJT	Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP85-500	75	Crush split and pulverize 250g of sample to 200mesh			TIM
SHP01	80	Per sample shipping charges for branch shipments			TIM
SLBHP	5	Sort, label and box pulps			TIM
FA450	80	50g Lead Collection Fire Assay Fusion - AAS Finish	50	Completed	TIM
EN002	80	Environmental disposal charge-Fire assay lead waste			TIM
MA200	80	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
EN001-MA	80	Environmental disposal fee - Multi-acid neutralization			VAN
FA550	1	Lead collection fire assay 50G fusion - Grav finish	50	Completed	TIM

ADDITIONAL COMMENTS

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
Marcus Lau
MARCUS LAU
Production Manager

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"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 31, 2020

CERTIFICATE OF ANALYSIS TIM19002909.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3571689	Drill Core	4.37	0.007	<0.1	6.23	64	171	1	0.1	1.75	<0.1	40	10.3	34	45.3	0.84	2.2	<0.05	0.44	16.1	5.7
3571690	Drill Core	4.05	0.007	<0.1	6.18	104	177	1	0.1	1.11	<0.1	39	13.8	44	83.5	1.07	2.8	<0.05	0.58	14.1	6.7
3571691	Drill Core	4.05	<0.005	<0.1	6.38	84	167	1	0.1	2.29	<0.1	41	11.1	36	38.8	0.94	2.5	<0.05	0.43	16.4	5.5
3571692	Drill Core	3.56	0.009	<0.1	6.43	33	182	2	0.1	1.59	<0.1	49	8.7	46	44.9	1.13	2.6	<0.05	0.54	18.5	7.3
3571693	Drill Core	4.72	<0.005	<0.1	6.02	12	153	2	<0.1	1.00	<0.1	38	9.1	38	17.7	1.05	2.0	<0.05	0.36	14.8	6.7
3571694	Drill Core	4.25	<0.005	<0.1	5.62	6	225	1	<0.1	0.53	<0.1	26	6.0	37	13.1	0.98	2.0	<0.05	0.55	10.2	5.6
3571695	Drill Core	4.70	<0.005	<0.1	6.48	9	183	2	<0.1	1.31	<0.1	45	6.5	46	18.8	1.01	2.9	<0.05	0.55	15.4	6.3
3571696	Drill Core	4.57	<0.005	<0.1	5.90	14	162	2	<0.1	1.67	<0.1	38	10.3	37	40.7	1.07	2.6	<0.05	0.46	13.1	5.8
3571697	Drill Core	5.49	<0.005	0.1	6.22	45	106	2	<0.1	2.01	<0.1	41	6.6	28	40.4	0.78	2.1	<0.05	0.20	15.1	3.3
3571698	Silica	0.21	<0.005	<0.1	8.89	2	19	<1	<0.1	0.17	<0.1	2	<0.2	2	1.3	0.19	0.2	<0.05	4.45	0.6	24.2
3571699	Drill Core	4.06	<0.005	<0.1	6.26	11	88	4	0.1	3.17	<0.1	30	3.8	38	3.8	1.01	2.1	<0.05	0.18	12.5	3.5
3571700	Rock Pulp	0.07	5.251	0.8	6.00	26	207	<1	0.3	5.12	<0.1	12	38.1	247	124.3	6.70	1.3	<0.05	0.43	4.8	17.0
3571701	Drill Core	4.34	<0.005	<0.1	6.12	9	88	2	<0.1	2.57	<0.1	31	2.4	32	2.4	0.93	1.8	<0.05	0.15	13.4	3.9
3571702	Drill Core	4.05	<0.005	<0.1	6.33	31	105	2	<0.1	1.60	<0.1	36	5.6	39	32.0	0.90	2.8	<0.05	0.25	13.2	4.0
3571703	Drill Core	3.98	<0.005	<0.1	6.02	4	115	3	<0.1	2.01	<0.1	29	1.9	32	7.0	0.88	2.2	<0.05	0.26	11.3	4.4
3571704	Drill Core	4.74	<0.005	<0.1	5.95	15	158	2	<0.1	0.78	<0.1	28	4.9	35	6.7	0.84	2.3	<0.05	0.38	11.5	5.7
3571705	Drill Core	4.47	<0.005	<0.1	6.28	23	168	2	<0.1	1.21	<0.1	37	6.7	43	7.8	0.83	2.9	<0.05	0.39	16.4	5.7
3571706	Drill Core	4.83	<0.005	<0.1	5.68	5	167	2	<0.1	0.58	<0.1	20	2.8	38	8.8	0.93	1.9	<0.05	0.49	8.7	6.1
3571707	Drill Core	3.86	<0.005	<0.1	6.47	6	110	3	<0.1	1.32	<0.1	30	1.8	52	6.2	0.69	3.3	<0.05	0.19	13.4	4.0
3571708	Drill Core	4.66	<0.005	<0.1	5.91	17	98	3	<0.1	1.04	0.1	38	4.9	36	10.1	0.71	2.3	<0.05	0.17	14.8	2.4
3571709	Drill Core	5.15	<0.005	<0.1	5.90	6	163	2	<0.1	0.61	<0.1	27	2.8	32	4.0	0.92	1.7	<0.05	0.38	11.5	5.3
3571710	Drill Core	3.56	<0.005	<0.1	5.75	14	109	2	<0.1	1.44	<0.1	22	4.1	20	5.4	0.61	1.5	<0.05	0.19	8.9	2.0
3571711	Drill Core	3.32	<0.005	<0.1	5.90	18	196	2	<0.1	1.37	<0.1	40	6.6	34	15.1	1.00	2.3	<0.05	0.58	15.9	6.6
3571712	Drill Core	3.70	0.008	<0.1	6.49	39	155	3	<0.1	1.73	<0.1	39	9.0	45	8.8	0.79	3.1	<0.05	0.30	16.2	3.2
3571713	Drill Core	4.84	<0.005	<0.1	6.30	12	130	3	<0.1	1.65	<0.1	41	5.0	49	5.0	0.85	3.1	<0.05	0.26	17.3	3.8
3571714	Drill Core	4.72	<0.005	<0.1	6.23	6	168	3	<0.1	1.00	<0.1	32	3.1	43	2.2	0.89	2.3	<0.05	0.45	12.6	5.6
3571715	Drill Core	4.13	<0.005	<0.1	6.11	28	147	3	<0.1	2.10	0.1	30	8.7	46	20.6	1.31	2.4	<0.05	0.39	12.5	6.1
3571716	Drill Core	4.34	<0.005	<0.1	5.66	8	188	2	<0.1	0.87	<0.1	27	3.5	39	10.8	1.04	1.8	<0.05	0.51	11.4	8.1
3571717	Drill Core	3.43	<0.005	<0.1	5.57	4	196	2	<0.1	0.79	<0.1	19	2.7	32	3.5	1.00	1.7	<0.05	0.55	8.3	7.5
3571718	Drill Core	4.71	<0.005	<0.1	5.18	12	202	2	<0.1	0.78	<0.1	24	8.3	38	14.4	1.11	1.8	<0.05	0.49	11.5	7.1

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Bureau Veritas Commodities Canada Ltd.

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 31, 2020

CERTIFICATE OF ANALYSIS TIM19002909.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3571689	Drill Core	1.68	133	1.2	5.692	1.3	36.5	0.049	4.0	23.4	<0.005	0.3	0.3	10	<1	1.3	99	0.1	<0.5	5.1	0.057
3571690	Drill Core	1.58	95	1.6	5.903	1.6	63.7	0.049	2.5	22.1	<0.005	0.3	0.3	8	1	0.3	87	0.1	<0.5	4.9	0.074
3571691	Drill Core	1.83	147	1.3	5.580	1.3	56.8	0.044	3.9	23.6	<0.005	0.2	0.3	10	<1	0.2	107	0.1	0.5	6.0	0.059
3571692	Drill Core	1.83	107	1.7	5.772	2.3	48.0	0.047	5.5	28.8	<0.005	0.3	0.3	11	1	0.4	102	0.2	<0.5	6.1	0.097
3571693	Drill Core	1.85	59	0.8	5.653	1.5	40.8	0.043	10.9	9.2	<0.005	0.1	0.2	8	<1	0.3	99	0.1	<0.5	4.4	0.071
3571694	Drill Core	1.35	41	0.4	5.158	1.5	22.5	0.037	9.8	23.9	<0.005	<0.1	0.2	6	<1	1.9	98	0.2	<0.5	4.1	0.077
3571695	Drill Core	1.85	74	2.7	5.865	2.4	33.5	0.066	11.2	28.7	<0.005	0.1	0.3	9	<1	1.4	111	0.2	<0.5	5.6	0.104
3571696	Drill Core	1.68	78	0.2	4.964	2.2	43.1	0.047	9.8	26.1	<0.005	0.2	0.4	7	<1	0.4	131	0.2	<0.5	5.2	0.086
3571697	Drill Core	1.63	142	0.6	5.474	1.1	27.1	0.033	2.6	8.9	<0.005	0.2	0.2	7	1	0.2	106	<0.1	0.7	5.4	0.041
3571698	Silica	0.03	34	0.2	8.237	<0.1	0.3	<0.001	5.3	59.9	<0.005	<0.1	0.2	<1	<1	<0.1	33	<0.1	<0.5	0.2	<0.001
3571699	Drill Core	1.78	280	2.7	5.603	0.8	13.3	0.048	1.5	5.2	<0.005	<0.1	0.1	11	<1	0.1	73	<0.1	1.0	4.3	0.038
3571700	Rock Pulp	3.84	1189	3.0	1.964	3.3	109.6	0.038	15.3	12.9	<0.005	0.4	0.4	33	<1	0.6	104	0.2	1.7	1.0	0.575
3571701	Drill Core	1.07	209	1.4	5.318	0.7	10.3	0.038	1.5	5.2	<0.005	<0.1	0.1	7	<1	0.2	91	<0.1	<0.5	4.1	0.032
3571702	Drill Core	1.35	144	2.2	5.696	1.2	35.1	0.042	2.6	10.2	<0.005	<0.1	0.2	6	1	0.3	88	0.1	<0.5	6.8	0.049
3571703	Drill Core	1.09	146	1.4	5.320	0.8	9.1	0.040	1.8	10.7	<0.005	<0.1	0.2	6	1	0.3	99	<0.1	<0.5	4.6	0.043
3571704	Drill Core	1.30	90	1.0	5.767	1.1	22.2	0.042	1.3	9.4	<0.005	<0.1	0.2	6	<1	0.1	71	0.1	<0.5	3.7	0.056
3571705	Drill Core	1.41	106	1.3	5.949	1.7	32.7	0.049	1.9	11.5	<0.005	<0.1	0.2	6	<1	0.4	83	0.2	<0.5	5.5	0.070
3571706	Drill Core	1.59	62	0.2	5.964	1.5	25.1	0.037	1.2	12.2	<0.005	<0.1	0.1	7	<1	0.3	67	0.1	<0.5	3.6	0.083
3571707	Drill Core	0.98	113	0.9	6.884	1.4	13.0	0.049	1.4	2.6	<0.005	<0.1	0.2	6	<1	0.3	67	0.1	<0.5	6.0	0.061
3571708	Drill Core	0.84	104	2.0	5.952	1.0	24.8	0.037	2.3	2.8	<0.005	<0.1	0.2	5	<1	0.2	66	<0.1	<0.5	4.4	0.044
3571709	Drill Core	1.28	78	0.4	5.420	0.9	18.4	0.034	1.0	11.7	<0.005	<0.1	0.1	6	<1	0.2	84	<0.1	<0.5	3.6	0.052
3571710	Drill Core	0.98	134	1.4	5.082	0.7	14.0	0.031	1.8	7.5	<0.005	<0.1	0.1	4	<1	0.1	77	<0.1	<0.5	4.1	0.032
3571711	Drill Core	1.70	129	0.3	4.886	1.9	32.2	0.040	4.0	34.6	<0.005	<0.1	0.1	6	<1	0.4	114	0.2	0.6	5.3	0.092
3571712	Drill Core	1.20	147	4.1	6.232	1.6	25.8	0.045	3.0	9.5	<0.005	0.2	0.2	10	<1	0.3	94	0.1	0.6	5.6	0.066
3571713	Drill Core	1.15	149	2.6	6.104	1.1	14.4	0.044	1.7	6.0	<0.005	<0.1	<0.1	7	<1	0.1	81	<0.1	<0.5	7.0	0.051
3571714	Drill Core	1.35	112	4.5	6.142	1.3	17.8	0.039	1.0	10.6	<0.005	<0.1	0.1	8	<1	0.2	74	0.1	<0.5	3.9	0.071
3571715	Drill Core	1.64	159	2.2	5.045	1.1	35.2	0.037	2.6	18.0	<0.005	0.1	0.3	8	<1	0.2	102	<0.1	<0.5	5.0	0.061
3571716	Drill Core	1.61	74	0.6	5.064	1.6	24.7	0.038	1.7	15.5	<0.005	<0.1	<0.1	8	<1	0.3	109	0.1	0.5	3.7	0.082
3571717	Drill Core	1.65	52	0.2	4.725	1.2	18.3	0.038	1.0	20.3	<0.005	<0.1	<0.1	5	<1	0.2	96	0.1	0.9	3.0	0.070
3571718	Drill Core	1.68	67	0.2	4.452	1.1	33.9	0.044	2.6	15.6	<0.005	<0.1	0.2	5	1	0.2	121	0.1	0.7	3.4	0.065

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Project: SPJ
Report Date: January 31, 2020

CERTIFICATE OF ANALYSIS TIM19002909.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA550
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3571689	Drill Core	<0.5	1.8	51	0.4	11.5	2	84.0	
3571690	Drill Core	<0.5	1.7	70	0.4	9.1	3	95.3	
3571691	Drill Core	<0.5	2.1	59	0.5	13.6	4	90.6	
3571692	Drill Core	<0.5	2.1	62	0.5	15.0	5	96.4	
3571693	Drill Core	<0.5	1.1	58	0.3	10.5	5	78.4	
3571694	Drill Core	<0.5	0.9	45	0.2	6.1	44	73.0	
3571695	Drill Core	<0.5	2.1	58	0.3	14.7	34	103.3	
3571696	Drill Core	<0.5	1.9	40	0.2	11.9	7	90.9	
3571697	Drill Core	<0.5	2.0	33	0.5	11.6	2	81.6	
3571698	Silica	0.7	0.1	<1	<0.1	2.0	2	10.7	
3571699	Drill Core	<0.5	2.1	57	0.8	27.8	3	76.1	
3571700	Rock Pulp	<0.5	0.2	267	4.8	21.3	78	49.1	
3571701	Drill Core	<0.5	1.7	50	0.9	12.8	3	64.3	
3571702	Drill Core	<0.5	2.2	45	0.6	14.7	10	100.8	
3571703	Drill Core	<0.5	1.8	45	0.5	16.8	3	75.5	
3571704	Drill Core	<0.5	1.1	46	0.5	7.7	3	83.0	
3571705	Drill Core	<0.5	1.7	43	0.6	9.7	2	95.4	
3571706	Drill Core	<0.5	0.7	58	0.3	5.0	2	68.1	
3571707	Drill Core	<0.5	1.6	47	1.0	9.4	2	118.9	
3571708	Drill Core	<0.5	1.5	36	0.6	11.5	32	81.8	
3571709	Drill Core	<0.5	0.8	45	0.3	5.7	3	59.7	
3571710	Drill Core	<0.5	1.6	28	0.3	7.8	<1	53.9	
3571711	Drill Core	<0.5	1.6	42	0.4	12.0	3	83.1	
3571712	Drill Core	<0.5	3.7	53	0.8	17.1	1	113.7	
3571713	Drill Core	<0.5	2.4	47	0.6	17.3	2	120.3	
3571714	Drill Core	<0.5	1.5	62	0.6	10.0	2	77.7	
3571715	Drill Core	<0.5	1.8	83	1.0	14.1	45	79.5	
3571716	Drill Core	<0.5	0.8	52	0.2	6.5	3	63.2	
3571717	Drill Core	<0.5	0.6	40	0.1	5.2	2	60.9	
3571718	Drill Core	<0.5	0.7	38	0.1	5.4	3	62.2	

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 31, 2020

CERTIFICATE OF ANALYSIS TIM19002909.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3571719	Drill Core	4.60	<0.005	<0.1	5.56	12	198	2	<0.1	0.57	<0.1	22	6.6	39	7.6	1.10	2.2	<0.05	0.47	10.4	6.8
3571720	Rock Pulp	0.07	0.528	0.2	6.78	5	137	<1	<0.1	6.50	<0.1	10	42.1	153	140.8	7.50	1.5	0.06	0.18	3.6	10.8
3571721	Drill Core	3.29	<0.005	<0.1	6.20	28	162	2	<0.1	1.30	<0.1	34	5.5	34	21.9	0.78	2.0	<0.05	0.39	13.8	4.5
3569933	Drill Core	4.15	0.191	0.1	6.37	3	125	2	0.2	0.37	<0.1	31	14.4	68	11.3	2.71	2.3	0.10	0.79	15.1	11.1
3569934	Drill Core	4.68	0.068	<0.1	6.06	3	51	2	0.1	0.44	<0.1	20	9.7	44	5.6	2.72	2.0	<0.05	0.75	9.7	8.2
3569935	Drill Core	4.49	0.071	<0.1	6.07	2	51	1	<0.1	0.41	<0.1	37	7.2	55	6.8	2.50	2.5	<0.05	0.72	18.2	6.8
3569936	Drill Core	3.53	0.197	<0.1	4.81	2	39	2	0.1	0.39	<0.1	17	9.6	36	2.7	1.49	2.3	<0.05	0.72	8.3	6.0
3569937	Drill Core	4.68	1.106	<0.1	6.86	11	59	2	0.2	0.89	<0.1	45	34.5	75	7.2	3.72	2.9	<0.05	1.30	21.6	14.2
3569938	Drill Core	3.39	1.312	<0.1	5.92	13	56	1	0.8	0.27	<0.1	32	46.0	73	16.0	9.12	2.5	0.06	0.53	17.0	9.4
3569939	Drill Core	4.41	0.014	<0.1	6.77	12	127	3	0.2	0.86	<0.1	42	40.3	67	8.3	4.18	3.4	<0.05	1.42	20.0	25.0
3569940	Rock Pulp	0.07	1.555	0.2	7.30	1043	326	1	<0.1	5.77	<0.1	35	43.9	197	84.6	8.72	3.0	<0.05	0.69	18.9	8.8
3569941	Drill Core	3.67	0.008	<0.1	6.11	8	87	1	<0.1	0.92	<0.1	19	24.2	67	8.6	2.49	3.1	<0.05	1.18	9.2	11.9
3569942	Drill Core	3.23	0.010	<0.1	6.57	8	101	2	0.1	0.80	<0.1	40	22.7	91	7.7	4.77	2.7	0.07	1.20	20.4	16.4
3569943	Drill Core	4.02	2.883	0.1	5.72	7	64	1	1.3	0.43	<0.1	29	26.8	56	13.7	12.34	1.4	<0.05	0.27	14.9	9.8
3569944	Drill Core	5.06	0.012	<0.1	6.31	9	66	2	<0.1	1.20	<0.1	24	21.1	55	3.4	3.20	2.4	<0.05	0.29	11.8	10.7
3569945	Drill Core	3.23	0.632	<0.1	6.63	8	32	2	0.2	0.40	<0.1	41	37.1	96	22.4	10.24	3.4	0.06	0.21	20.7	10.6
3569946	Rock Pulp	0.07	>10	2.1	5.36	70	228	<1	0.6	3.81	0.3	12	33.6	489	119.6	4.58	1.3	<0.05	0.71	6.8	31.7
3569947	Drill Core	3.99	0.431	<0.1	6.94	22	89	2	<0.1	2.25	<0.1	34	30.7	107	8.5	2.95	3.7	<0.05	0.80	16.3	13.6
3569948	Drill Core	3.84	0.012	<0.1	6.96	20	60	1	<0.1	2.63	<0.1	42	35.9	56	6.1	1.93	3.6	<0.05	0.91	20.1	10.6
3569949	Drill Core	5.96	0.009	<0.1	6.52	14	118	2	<0.1	1.56	<0.1	31	28.7	87	3.9	2.70	3.6	<0.05	1.18	14.1	12.6
3569950	Silica	0.22	<0.005	<0.1	8.79	<1	16	<1	<0.1	0.16	<0.1	1	<0.2	1	0.3	0.17	0.2	<0.05	3.86	0.5	25.7
3569951	Drill Core	4.05	<0.005	<0.1	5.97	11	210	2	<0.1	0.60	<0.1	29	13.2	103	4.0	3.48	3.5	<0.05	1.70	13.7	15.7
3569952	Drill Core	3.49	0.008	<0.1	6.49	200	112	2	0.3	1.98	<0.1	25	38.7	98	2.0	2.42	3.8	<0.05	1.04	10.5	8.2
3569953	Drill Core	5.20	<0.005	<0.1	6.10	9	182	3	<0.1	1.25	<0.1	33	18.3	107	2.4	2.94	3.8	<0.05	1.81	15.5	15.1
3569954	Drill Core	4.18	0.029	<0.1	6.93	11	41	1	<0.1	5.01	<0.1	124	15.3	63	2.5	1.75	3.5	<0.05	0.35	61.3	3.6
3569955	Drill Core	4.57	<0.005	<0.1	6.86	2	50	1	<0.1	2.63	<0.1	103	6.2	105	1.4	1.36	3.7	<0.05	0.40	55.2	3.9
3569956	Drill Core	4.99	0.027	<0.1	6.32	7	28	1	<0.1	3.11	<0.1	51	16.3	72	3.0	1.19	3.3	<0.05	0.17	22.5	2.3
3569957	Drill Core	4.80	0.005	<0.1	6.82	7	110	2	<0.1	2.63	<0.1	51	44.8	69	2.6	1.90	3.5	<0.05	0.94	23.7	12.5
3569958	Drill Core	4.65	0.006	<0.1	6.83	4	97	2	<0.1	1.86	<0.1	40	25.0	87	2.0	2.06	3.9	<0.05	1.05	18.2	12.0
3569959	Drill Core	5.22	<0.005	<0.1	6.74	2	25	1	<0.1	1.52	<0.1	40	4.0	91	1.2	0.72	4.3	<0.05	0.26	17.9	2.4

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	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3571719	Drill Core	1.75	57	0.3	4.913	1.1	25.6	0.042	1.2	16.6	<0.005	<0.1	<0.1	7	<1	0.1	97	0.1	<0.5	3.9	0.065
3571720	Rock Pulp	4.09	1432	0.6	2.307	3.4	87.1	0.038	2.7	3.3	<0.005	0.1	0.4	44	<1	0.5	112	0.2	0.9	0.4	0.678
3571721	Drill Core	1.41	101	0.8	5.451	1.4	25.3	0.041	1.6	19.5	<0.005	0.1	0.2	6	<1	0.3	101	0.1	<0.5	4.5	0.064
3569933	Drill Core	1.48	143	0.9	4.900	3.4	48.5	0.045	3.0	18.6	<0.005	<0.1	0.2	6	1	2.7	65	0.3	<0.5	5.1	0.176
3569934	Drill Core	1.52	154	0.2	4.474	3.5	21.4	0.029	1.1	5.8	<0.005	<0.1	0.2	4	1	0.6	39	0.3	<0.5	3.4	0.149
3569935	Drill Core	1.22	158	0.2	4.440	4.6	22.9	0.040	1.4	6.6	<0.005	<0.1	0.2	4	<1	0.6	42	0.4	<0.5	5.1	0.190
3569936	Drill Core	0.92	98	0.3	4.732	2.7	13.6	0.030	1.1	4.1	<0.005	0.2	0.2	3	1	0.7	27	0.2	<0.5	3.3	0.125
3569937	Drill Core	2.71	236	0.3	4.294	4.6	42.9	0.048	1.3	18.3	<0.005	0.2	0.2	8	<1	0.8	31	0.4	0.6	8.3	0.191
3569938	Drill Core	1.97	141	0.7	3.586	3.9	79.0	0.040	2.1	13.5	0.005	0.4	0.4	7	<1	1.2	26	0.3	0.8	5.9	0.176
3569939	Drill Core	2.93	253	0.4	3.941	4.4	57.3	0.083	2.5	36.6	<0.005	0.3	0.5	12	<1	1.2	48	0.3	0.8	8.2	0.423
3569940	Rock Pulp	3.98	2029	2.5	2.065	18.4	140.8	0.165	4.6	21.0	<0.005	0.7	2.2	18	1	1.6	355	1.1	1.2	3.2	0.942
3569941	Drill Core	2.22	189	0.2	4.492	3.7	48.2	0.050	2.7	21.8	<0.005	<0.1	0.3	9	<1	1.1	37	0.3	<0.5	6.8	0.190
3569942	Drill Core	2.77	161	0.4	3.964	3.4	60.7	0.047	3.8	38.5	<0.005	0.1	0.3	11	1	1.1	34	0.3	0.5	8.2	0.200
3569943	Drill Core	1.66	161	0.8	3.486	2.5	41.8	0.019	2.5	11.3	0.005	0.3	0.7	4	1	0.6	30	0.2	1.7	3.3	0.099
3569944	Drill Core	2.14	295	0.5	4.316	4.9	29.3	0.038	1.6	10.8	<0.005	<0.1	0.2	7	<1	0.5	41	0.4	0.7	7.1	0.164
3569945	Drill Core	2.51	223	0.2	3.814	6.8	59.0	0.031	3.0	8.0	<0.005	0.6	0.4	5	2	0.5	20	0.6	0.6	9.9	0.266
3569946	Rock Pulp	4.29	776	6.2	1.197	2.1	229.6	0.029	38.4	29.4	<0.005	0.8	0.8	20	1	0.4	91	0.1	1.6	2.0	0.248
3569947	Drill Core	2.59	252	0.6	5.072	5.3	53.1	0.057	2.2	28.3	<0.005	0.1	0.4	10	1	1.0	54	0.5	0.8	7.7	0.256
3569948	Drill Core	2.85	388	0.2	4.799	3.8	38.4	0.043	2.6	33.4	<0.005	0.1	0.4	9	2	1.7	42	0.3	<0.5	8.9	0.158
3569949	Drill Core	2.83	229	0.7	4.790	3.1	55.8	0.044	1.8	33.6	<0.005	0.1	0.4	12	<1	1.5	58	0.3	0.6	6.8	0.197
3569950	Silica	0.03	35	<0.1	7.761	<0.1	0.4	<0.001	4.8	61.0	<0.005	<0.1	0.1	<1	<1	<0.1	28	<0.1	<0.5	0.2	<0.001
3569951	Drill Core	2.63	94	0.2	4.612	2.0	72.6	0.048	0.9	69.1	<0.005	<0.1	0.1	15	<1	1.8	59	0.2	<0.5	6.0	0.254
3569952	Drill Core	2.53	284	0.2	5.478	2.6	58.3	0.045	1.3	26.3	<0.005	0.2	0.4	15	<1	2.0	48	0.3	1.5	7.0	0.181
3569953	Drill Core	2.86	143	1.2	5.044	2.3	72.3	0.056	1.0	54.6	<0.005	<0.1	0.2	17	<1	1.4	52	0.3	0.7	5.3	0.248
3569954	Drill Core	3.16	492	0.3	5.344	2.7	25.7	0.048	1.5	16.0	<0.005	0.1	0.4	12	<1	0.9	67	0.2	1.5	10.5	0.107
3569955	Drill Core	1.98	252	0.4	5.891	2.4	34.4	0.048	1.2	14.2	<0.005	<0.1	0.3	8	<1	0.7	58	0.2	0.9	9.5	0.111
3569956	Drill Core	1.77	294	0.6	5.693	2.7	24.7	0.059	1.5	3.8	<0.005	0.1	0.5	7	<1	1.0	52	0.2	0.9	8.8	0.112
3569957	Drill Core	2.68	247	0.5	4.787	4.1	66.4	0.049	1.1	45.6	<0.005	0.2	0.2	11	1	2.1	59	0.3	1.1	7.6	0.210
3569958	Drill Core	2.66	155	0.3	5.441	3.2	59.6	0.054	1.0	43.3	<0.005	0.2	0.3	11	<1	1.5	64	0.3	1.2	8.7	0.181
3569959	Drill Core	1.09	204	0.4	6.737	4.1	10.8	0.057	0.9	1.8	<0.005	<0.1	0.5	4	<1	0.7	38	0.3	<0.5	7.3	0.159

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 31, 2020

CERTIFICATE OF ANALYSIS TIM19002909.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA550
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3571719	Drill Core	<0.5	0.7	49	0.2	5.3	3	75.6	
3571720	Rock Pulp	<0.5	<0.1	314	1.0	23.0	75	53.5	
3571721	Drill Core	<0.5	1.6	44	0.4	9.3	1	74.1	
3569933	Drill Core	<0.5	1.6	71	2.8	5.6	13	77.7	
3569934	Drill Core	<0.5	0.9	38	2.3	4.4	7	67.0	
3569935	Drill Core	<0.5	1.5	38	2.8	7.0	6	95.3	
3569936	Drill Core	<0.5	0.9	30	2.6	3.9	3	76.5	
3569937	Drill Core	<0.5	2.6	76	3.0	11.1	8	108.0	
3569938	Drill Core	<0.5	3.4	89	12.3	6.5	8	86.9	
3569939	Drill Core	<0.5	3.0	104	2.6	14.0	8	118.5	
3569940	Rock Pulp	<0.5	0.9	167	1.2	20.9	118	119.8	
3569941	Drill Core	<0.5	2.9	74	3.1	8.1	6	115.2	
3569942	Drill Core	<0.5	3.0	85	7.0	9.9	8	101.5	
3569943	Drill Core	<0.5	1.8	56	84.8	5.2	6	48.6	
3569944	Drill Core	<0.5	2.4	48	2.6	9.3	4	89.0	
3569945	Drill Core	0.6	6.3	93	12.7	8.0	8	128.9	
3569946	Rock Pulp	<0.5	0.5	136	13.0	10.3	81	52.9	12.2
3569947	Drill Core	<0.5	2.3	94	3.2	11.5	8	127.4	
3569948	Drill Core	<0.5	3.4	60	1.8	16.7	4	136.4	
3569949	Drill Core	<0.5	1.8	91	0.8	10.0	7	127.4	
3569950	Silica	0.7	<0.1	<1	<0.1	1.2	2	13.8	
3569951	Drill Core	<0.5	1.5	112	0.3	5.3	4	130.9	
3569952	Drill Core	<0.5	2.0	114	1.3	10.0	3	135.6	
3569953	Drill Core	<0.5	1.2	116	0.4	7.2	4	133.1	
3569954	Drill Core	<0.5	4.1	68	1.6	13.5	1	131.8	
3569955	Drill Core	<0.5	2.2	103	1.2	9.1	2	137.6	
3569956	Drill Core	<0.5	3.4	63	1.6	11.0	1	129.6	
3569957	Drill Core	<0.5	2.1	96	0.9	14.4	2	131.8	
3569958	Drill Core	<0.5	1.8	95	0.6	11.4	3	140.8	
3569959	Drill Core	<0.5	1.0	60	1.7	6.1	2	142.4	

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 31, 2020

CERTIFICATE OF ANALYSIS TIM19002909.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3569960	Rock Pulp	0.07	5.280	0.9	6.42	28	218	<1	0.2	5.61	<0.1	12	45.9	287	148.2	7.49	1.6	0.06	0.48	5.5	17.9
3569961	Drill Core	5.31	0.032	<0.1	7.03	6	35	1	<0.1	1.24	<0.1	35	18.7	71	1.9	0.89	4.4	<0.05	0.35	14.5	2.3
3569962	Drill Core	5.74	0.017	<0.1	7.16	9	77	2	<0.1	1.95	<0.1	78	37.9	65	3.0	1.49	3.9	<0.05	0.81	36.8	5.7
3569963	Drill Core	3.18	0.006	<0.1	6.58	6	97	2	<0.1	1.16	<0.1	34	35.3	87	2.1	2.04	3.7	<0.05	0.91	14.6	12.4
3569964	Drill Core	3.96	0.019	<0.1	7.30	6	32	2	<0.1	2.20	<0.1	42	9.8	58	3.7	0.91	3.4	<0.05	0.21	20.3	2.2
3569965	Drill Core	4.24	0.005	<0.1	6.50	10	97	1	<0.1	1.81	<0.1	49	31.3	78	3.8	1.91	3.3	<0.05	1.15	22.9	15.5
3569966	Drill Core	3.82	0.011	<0.1	7.01	7	63	1	<0.1	1.80	<0.1	38	24.3	69	4.6	1.49	3.9	<0.05	0.78	17.1	9.2
3569967	Drill Core	5.04	<0.005	<0.1	6.50	<1	189	2	<0.1	0.81	<0.1	37	12.3	100	1.9	3.46	3.8	<0.05	1.38	18.3	12.4
3569968	Drill Core	4.97	<0.005	<0.1	6.50	1	75	2	<0.1	1.94	<0.1	44	4.8	87	3.7	1.12	3.9	<0.05	0.58	17.1	5.6
3569969	Drill Core	3.77	<0.005	<0.1	6.50	8	139	2	<0.1	1.59	<0.1	23	23.0	68	6.5	2.00	3.7	<0.05	1.11	9.1	11.1
3569970	Drill Core	4.76	<0.005	<0.1	5.64	2	190	2	<0.1	0.86	<0.1	24	27.5	81	5.4	2.68	3.8	<0.05	1.32	9.4	13.2
3569971	Drill Core	5.05	<0.005	<0.1	6.55	4	98	2	<0.1	2.26	<0.1	42	19.9	73	3.7	1.73	3.8	<0.05	0.91	16.3	11.2
3569972	Drill Core	3.46	<0.005	<0.1	6.69	2	94	2	<0.1	1.74	<0.1	45	13.4	79	3.0	2.23	3.7	<0.05	0.97	17.8	14.8
3569973	Drill Core	4.07	0.008	<0.1	5.85	2	80	2	<0.1	2.24	<0.1	27	9.2	69	2.3	1.76	3.4	<0.05	0.83	11.2	8.7
3569974	Drill Core	4.30	<0.005	<0.1	5.92	<1	142	2	<0.1	1.24	<0.1	22	19.0	104	2.0	3.83	3.4	<0.05	1.57	9.2	15.3
3569975	Silica	0.21	<0.005	<0.1	8.11	1	16	<1	<0.1	0.15	<0.1	<1	<0.2	2	1.4	0.17	0.1	<0.05	4.15	0.4	23.8
3569976	Drill Core	4.28	0.006	<0.1	6.36	2	97	2	<0.1	2.10	<0.1	58	25.9	87	2.4	3.48	3.4	<0.05	1.57	23.2	9.9
3569977	Drill Core	4.54	0.011	<0.1	6.61	14	52	2	<0.1	1.50	<0.1	34	30.6	88	3.1	1.22	4.1	<0.05	0.55	13.3	4.0
3569978	Drill Core	5.38	0.023	<0.1	6.81	8	46	2	<0.1	1.85	<0.1	42	21.6	58	3.9	1.08	3.4	<0.05	0.38	17.4	3.8
3569979	Drill Core	5.36	0.005	<0.1	6.74	5	106	2	<0.1	3.08	<0.1	35	21.4	64	3.7	1.74	3.3	<0.05	0.97	14.8	7.4

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Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 31, 2020

CERTIFICATE OF ANALYSIS TIM19002909.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3569960	Rock Pulp	4.12	1283	2.8	1.945	3.4	130.7	0.042	17.3	15.2	<0.005	0.4	0.5	35	<1	0.5	114	0.2	1.8	1.1	0.602
3569961	Drill Core	0.95	149	0.4	7.156	4.2	28.8	0.048	2.7	5.7	<0.005	0.1	0.7	5	<1	1.0	35	0.3	<0.5	7.5	0.173
3569962	Drill Core	1.81	249	0.5	5.760	2.3	50.7	0.052	1.4	35.7	<0.005	0.2	0.3	10	<1	1.4	59	0.2	0.6	10.2	0.130
3569963	Drill Core	2.30	170	0.5	5.444	1.9	71.3	0.050	1.3	35.9	<0.005	0.2	0.2	12	1	0.6	55	0.2	0.7	9.0	0.137
3569964	Drill Core	1.35	187	0.5	6.305	2.1	24.5	0.041	1.4	7.9	<0.005	<0.1	0.3	7	<1	0.9	54	0.2	<0.5	9.4	0.095
3569965	Drill Core	2.30	155	0.5	4.615	2.8	68.2	0.062	1.1	48.0	<0.005	0.2	0.2	11	<1	1.4	65	0.2	0.7	7.7	0.166
3569966	Drill Core	1.90	164	0.5	5.446	2.6	48.2	0.048	1.2	25.6	<0.005	0.2	0.2	11	<1	1.3	59	0.2	<0.5	9.6	0.137
3569967	Drill Core	2.37	88	0.5	4.877	1.8	63.2	0.052	1.1	72.6	<0.005	<0.1	0.1	14	<1	0.8	79	0.2	0.6	7.9	0.199
3569968	Drill Core	1.55	160	0.2	7.120	2.5	43.9	0.040	1.0	10.4	<0.005	<0.1	0.3	9	<1	1.1	53	0.2	0.6	6.4	0.126
3569969	Drill Core	2.30	142	0.7	5.611	2.7	52.4	0.050	1.3	32.9	<0.005	0.2	0.2	11	1	1.7	71	0.2	1.2	6.9	0.150
3569970	Drill Core	2.21	87	1.0	5.026	3.1	53.4	0.049	1.1	29.5	<0.005	0.2	0.2	11	<1	1.5	56	0.3	0.9	4.5	0.194
3569971	Drill Core	2.86	180	0.5	4.985	4.8	55.1	0.045	1.0	32.8	<0.005	<0.1	0.2	12	1	2.1	58	0.4	0.8	6.5	0.216
3569972	Drill Core	2.92	155	0.5	5.028	3.6	44.1	0.039	1.0	30.1	<0.005	<0.1	0.2	12	<1	1.5	66	0.3	1.1	7.0	0.157
3569973	Drill Core	2.06	171	0.2	5.824	2.9	39.7	0.043	1.0	22.8	<0.005	<0.1	0.4	11	<1	1.9	45	0.3	0.6	5.2	0.164
3569974	Drill Core	2.76	120	0.8	5.359	2.3	69.3	0.046	0.8	38.8	<0.005	0.1	0.2	16	<1	1.5	53	0.2	1.3	5.3	0.224
3569975	Silica	0.02	33	0.2	8.272	<0.1	0.3	<0.001	4.8	54.7	<0.005	<0.1	<0.1	<1	<1	<0.1	26	<0.1	<0.5	0.1	<0.001
3569976	Drill Core	2.96	187	0.8	4.785	3.1	65.3	0.057	1.1	41.3	<0.005	0.3	0.3	14	1	1.6	64	0.3	1.4	7.8	0.175
3569977	Drill Core	1.27	182	0.7	7.110	3.6	33.3	0.041	1.0	8.2	<0.005	0.2	0.4	6	<1	1.3	37	0.3	<0.5	7.3	0.154
3569978	Drill Core	1.32	162	0.7	6.477	3.2	32.4	0.046	1.4	12.5	<0.005	0.1	0.4	8	1	1.4	51	0.3	<0.5	8.3	0.129
3569979	Drill Core	2.41	259	0.4	5.292	3.4	44.8	0.035	1.2	43.3	<0.005	0.1	0.3	12	1	2.3	74	0.3	0.7	7.9	0.170

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 31, 2020

CERTIFICATE OF ANALYSIS TIM19002909.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA550
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3569960	Rock Pulp	<0.5	0.2	277	5.6	18.9	89	59.4	
3569961	Drill Core	<0.5	1.7	75	2.0	6.8	2	156.8	
3569962	Drill Core	<0.5	2.9	82	1.3	11.7	2	136.6	
3569963	Drill Core	<0.5	2.2	124	0.4	9.2	3	128.6	
3569964	Drill Core	<0.5	3.1	54	1.2	10.3	<1	124.3	
3569965	Drill Core	<0.5	2.4	93	0.9	14.1	3	119.5	
3569966	Drill Core	<0.5	2.7	77	1.1	11.5	2	129.3	
3569967	Drill Core	<0.5	1.4	101	0.2	5.4	3	135.3	
3569968	Drill Core	<0.5	0.9	103	0.9	6.5	2	141.0	
3569969	Drill Core	<0.5	2.1	86	0.6	9.3	3	130.6	
3569970	Drill Core	<0.5	1.7	80	0.3	6.2	3	134.2	
3569971	Drill Core	<0.5	2.4	85	0.5	14.8	2	138.9	
3569972	Drill Core	<0.5	2.2	74	0.4	14.3	4	133.4	
3569973	Drill Core	<0.5	1.1	86	1.5	9.5	2	120.1	
3569974	Drill Core	<0.5	1.2	122	0.4	6.2	3	119.7	
3569975	Silica	0.7	<0.1	<1	<0.1	1.3	2	8.4	
3569976	Drill Core	<0.5	1.3	95	0.8	10.7	3	121.3	
3569977	Drill Core	<0.5	1.2	86	2.8	5.0	2	138.9	
3569978	Drill Core	<0.5	2.7	82	1.6	9.8	2	129.0	
3569979	Drill Core	<0.5	2.7	78	0.9	12.9	2	125.4	

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 31, 2020

QUALITY CONTROL REPORT TIM19002909.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
Pulp Duplicates																					
3571699	Drill Core	4.06	<0.005	<0.1	6.26	11	88	4	0.1	3.17	<0.1	30	3.8	38	3.8	1.01	2.1	<0.05	0.18	12.5	3.5
REP 3571699	QC		<0.005																		
REP 3571706	QC			<0.1	5.44	8	164	2	<0.1	0.57	<0.1	18	3.3	43	8.4	0.95	1.7	<0.05	0.48	8.0	6.2
3571713	Drill Core	4.84	<0.005	<0.1	6.30	12	130	3	<0.1	1.65	<0.1	41	5.0	49	5.0	0.85	3.1	<0.05	0.26	17.3	3.8
REP 3571713	QC		<0.005																		
3571714	Drill Core	4.72	<0.005	<0.1	6.23	6	168	3	<0.1	1.00	<0.1	32	3.1	43	2.2	0.89	2.3	<0.05	0.45	12.6	5.6
REP 3571714	QC			<0.1	6.31	7	172	2	<0.1	1.05	<0.1	33	2.7	42	2.4	0.88	2.4	<0.05	0.46	13.2	5.9
3569959	Drill Core	5.22	<0.005	<0.1	6.74	2	25	1	<0.1	1.52	<0.1	40	4.0	91	1.2	0.72	4.3	<0.05	0.26	17.9	2.4
REP 3569959	QC			<0.1	7.05	2	24	1	<0.1	1.55	<0.1	40	4.0	86	1.5	0.72	4.0	<0.05	0.25	17.9	2.2
3569965	Drill Core	4.24	0.005	<0.1	6.50	10	97	1	<0.1	1.81	<0.1	49	31.3	78	3.8	1.91	3.3	<0.05	1.15	22.9	15.5
REP 3569965	QC		<0.005																		
Core Reject Duplicates																					
3571706	Drill Core	4.83	<0.005	<0.1	5.68	5	167	2	<0.1	0.58	<0.1	20	2.8	38	8.8	0.93	1.9	<0.05	0.49	8.7	6.1
DUP 3571706	QC		<0.005	<0.1	5.52	6	157	2	<0.1	0.56	<0.1	19	3.5	41	7.9	0.96	1.7	<0.05	0.48	8.0	7.1
3569951	Drill Core	4.05	<0.005	<0.1	5.97	11	210	2	<0.1	0.60	<0.1	29	13.2	103	4.0	3.48	3.5	<0.05	1.70	13.7	15.7
DUP 3569951	QC		<0.005	<0.1	5.86	9	208	2	<0.1	0.60	<0.1	28	13.2	105	4.8	3.45	3.8	<0.05	1.56	13.3	15.0
Reference Materials																					
STD OREAS25A-4A	Standard			<0.1	8.46	11	144	1	0.5	0.25	<0.1	41	7.8	116	36.8	6.59	4.1	0.09	0.48	17.8	39.7
STD OREAS25A-4A	Standard			<0.1	8.72	11	153	<1	0.5	0.27	<0.1	48	7.8	116	34.2	6.70	4.0	0.09	0.49	20.1	35.5
STD OREAS25A-4A	Standard			<0.1	8.26	9	138	<1	0.3	0.28	<0.1	48	6.9	98	31.1	6.06	3.6	0.08	0.45	19.7	33.5
STD OREAS25A-4A	Standard			<0.1	8.67	11	157	1	0.4	0.27	<0.1	48	8.5	127	35.6	6.78	4.5	0.06	0.48	21.0	35.1
STD OREAS45H	Standard			0.1	8.57	17	339	2	0.1	0.14	<0.1	24	95.7	678	816.7	20.11	3.6	0.08	0.21	12.3	14.3
STD OREAS45E	Standard			0.3	6.94	17	255	<1	0.3	0.06	<0.1	24	59.8	1055	802.8	25.24	2.6	0.08	0.33	9.8	6.4
STD OREAS45E	Standard			0.3	6.85	17	245	<1	0.4	0.06	<0.1	25	59.0	1091	834.7	24.13	2.8	0.10	0.33	10.3	5.4
STD OREAS45E	Standard			0.3	7.02	17	258	1	0.3	0.06	<0.1	25	61.6	1107	812.2	25.46	3.0	0.10	0.30	11.0	6.0
STD OXC145	Standard		0.199																		
STD OXC145	Standard		0.216																		
STD OXC145	Standard		0.203																		

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Project: SPJ
Report Date: January 31, 2020

QUALITY CONTROL REPORT TIM19002909.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
Pulp Duplicates																					
3571699	Drill Core	1.78	280	2.7	5.603	0.8	13.3	0.048	1.5	5.2	<0.005	<0.1	0.1	11	<1	0.1	73	<0.1	1.0	4.3	0.038
REP 3571699	QC																				
REP 3571706	QC	1.54	62	0.3	5.837	1.5	25.5	0.035	1.1	10.6	<0.005	<0.1	0.1	7	<1	0.3	65	0.1	<0.5	3.2	0.084
3571713	Drill Core	1.15	149	2.6	6.104	1.1	14.4	0.044	1.7	6.0	<0.005	<0.1	<0.1	7	<1	0.1	81	<0.1	<0.5	7.0	0.051
REP 3571713	QC																				
3571714	Drill Core	1.35	112	4.5	6.142	1.3	17.8	0.039	1.0	10.6	<0.005	<0.1	0.1	8	<1	0.2	74	0.1	<0.5	3.9	0.071
REP 3571714	QC	1.33	115	4.8	6.182	1.4	19.6	0.040	1.0	11.1	<0.005	<0.1	0.1	9	<1	0.2	76	0.1	<0.5	4.1	0.073
3569959	Drill Core	1.09	204	0.4	6.737	4.1	10.8	0.057	0.9	1.8	<0.005	<0.1	0.5	4	<1	0.7	38	0.3	<0.5	7.3	0.159
REP 3569959	QC	1.11	195	0.4	6.664	4.1	10.6	0.055	0.9	2.1	<0.005	<0.1	0.5	4	<1	0.8	39	0.4	<0.5	7.9	0.158
3569965	Drill Core	2.30	155	0.5	4.615	2.8	68.2	0.062	1.1	48.0	<0.005	0.2	0.2	11	<1	1.4	65	0.2	0.7	7.7	0.166
REP 3569965	QC																				
Core Reject Duplicates																					
3571706	Drill Core	1.59	62	0.2	5.964	1.5	25.1	0.037	1.2	12.2	<0.005	<0.1	0.1	7	<1	0.3	67	0.1	<0.5	3.6	0.083
DUP 3571706	QC	1.54	60	0.4	5.832	1.6	24.8	0.037	1.1	11.7	<0.005	<0.1	0.1	8	<1	0.3	64	0.1	<0.5	3.2	0.085
3569951	Drill Core	2.63	94	0.2	4.612	2.0	72.6	0.048	0.9	69.1	<0.005	<0.1	0.1	15	<1	1.8	59	0.2	<0.5	6.0	0.254
DUP 3569951	QC	2.61	94	0.1	4.533	2.0	71.2	0.044	0.9	57.7	<0.005	<0.1	0.2	14	<1	1.9	55	0.2	0.6	5.1	0.246
Reference Materials																					
STD OREAS25A-4A	Standard	0.34	480	2.4	0.140	20.0	48.6	0.050	24.7	57.9	<0.005	<0.1	0.6	12	3	4.2	43	1.4	<0.5	15.2	0.928
STD OREAS25A-4A	Standard	0.30	489	2.5	0.130	20.7	47.1	0.048	23.5	58.8	<0.005	<0.1	0.6	13	3	4.0	49	1.4	<0.5	14.3	0.926
STD OREAS25A-4A	Standard	0.28	476	2.1	0.122	18.2	41.8	0.043	21.3	55.0	<0.005	<0.1	0.6	12	2	3.7	46	1.2	<0.5	13.4	0.855
STD OREAS25A-4A	Standard	0.31	499	2.7	0.119	21.5	48.9	0.050	26.2	57.9	<0.005	<0.1	0.6	12	2	3.7	49	1.6	<0.5	16.1	0.973
STD OREAS45H	Standard	0.27	433	1.4	0.097	14.1	472.1	0.023	12.9	22.3	<0.005	<0.1	0.7	58	2	1.9	29	1.0	<0.5	7.8	0.940
STD OREAS45E	Standard	0.14	578	2.4	0.049	6.4	486.3	0.031	17.0	22.0	<0.005	<0.1	1.1	98	2	1.2	18	0.5	<0.5	12.4	0.542
STD OREAS45E	Standard	0.14	574	2.4	0.051	6.7	481.5	0.031	16.8	21.6	<0.005	<0.1	1.1	100	3	1.2	17	0.5	<0.5	12.3	0.554
STD OREAS45E	Standard	0.14	576	2.4	0.048	6.5	484.6	0.031	19.1	22.1	<0.005	<0.1	1.1	90	2	1.3	18	0.5	<0.5	14.0	0.559
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXC145	Standard																				

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QUALITY CONTROL REPORT TIM19002909.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA550
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
Pulp Duplicates									
3571699	Drill Core	<0.5	2.1	57	0.8	27.8	3	76.1	
REP 3571699	QC								
REP 3571706	QC	<0.5	0.6	59	0.4	4.8	2	66.0	
3571713	Drill Core	<0.5	2.4	47	0.6	17.3	2	120.3	
REP 3571713	QC								
3571714	Drill Core	<0.5	1.5	62	0.6	10.0	2	77.7	
REP 3571714	QC	<0.5	1.7	61	0.5	10.2	2	85.0	
3569959	Drill Core	<0.5	1.0	60	1.7	6.1	2	142.4	
REP 3569959	QC	<0.5	1.0	60	1.6	6.5	2	140.7	
3569965	Drill Core	<0.5	2.4	93	0.9	14.1	3	119.5	
REP 3569965	QC								
Core Reject Duplicates									
3571706	Drill Core	<0.5	0.7	58	0.3	5.0	2	68.1	
DUP 3571706	QC	<0.5	0.6	59	0.3	5.1	2	67.3	
3569951	Drill Core	<0.5	1.5	112	0.3	5.3	4	130.9	
DUP 3569951	QC	<0.5	1.2	110	0.3	5.0	4	124.9	
Reference Materials									
STD OREAS25A-4A	Standard	<0.5	2.8	157	2.1	9.8	49	154.9	
STD OREAS25A-4A	Standard	<0.5	2.6	159	2.0	11.5	47	154.6	
STD OREAS25A-4A	Standard	<0.5	2.4	157	1.6	10.9	41	135.3	
STD OREAS25A-4A	Standard	<0.5	3.1	164	2.0	10.7	45	160.6	
STD OREAS45H	Standard	<0.5	1.6	293	0.9	9.4	39	129.1	
STD OREAS45E	Standard	<0.5	2.3	336	0.9	8.9	49	95.7	
STD OREAS45E	Standard	<0.5	2.3	339	0.9	9.5	49	91.1	
STD OREAS45E	Standard	<0.5	2.7	334	0.9	8.6	48	107.5	
STD OXC145	Standard								
STD OXC145	Standard								
STD OXC145	Standard								

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QUALITY CONTROL REPORT TIM19002909.1

		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
STD OXH139	Standard		1.253																		
STD OXH139	Standard		1.303																		
STD OXH139	Standard		1.293																		
STD OXN134	Standard		7.403																		
STD OXN134	Standard		7.505																		
STD OXP116	Standard																				
STD OXQ90	Standard																				
STD OXQ90	Standard																				
STD OREAS45H Expected				0.147	7.99	16.9	332	1.09	0.17	0.135		23.6	88	602	767	19.52	3.6	0.1	0.205	12.4	13.1
STD OREAS25A-4A Expected					8.87	9.94	147	0.93	0.37	0.301		47.3	7.7	115	33.9	6.6	4.14	0.09	0.482	21.8	36.7
STD OREAS45E Expected				0.311	6.78	16.3	252		0.28	0.065	0.06	23.5	57	979	780	24.12	3.11	0.099	0.324	11	6.58
STD OXC145 Expected			0.212																		
STD OXN134 Expected			7.667																		
STD OXH139 Expected			1.312																		
STD OXP116 Expected																					
STD OXQ90 Expected																					
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	1	0.3	<0.01	<0.1	<0.05	<0.01	<0.1	0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	0.2
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	0.2
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank																				
Prep Wash																					
ROCK-TIM	Prep Blank		<0.005	<0.1	6.68	2	871	<1	<0.1	1.67	<0.1	28	4.9	3	6.2	2.33	1.8	0.06	1.69	12.4	2.4
ROCK-TIM	Prep Blank		<0.005	<0.1	6.41	2	819	<1	<0.1	1.55	<0.1	28	4.8	3	5.7	2.22	1.7	0.06	1.57	11.9	2.0

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QUALITY CONTROL REPORT TIM19002909.1

		MA200 Mg % 0.01	MA200 Mn ppm 1	MA200 Mo ppm 0.1	MA200 Na % 0.001	MA200 Nb ppm 0.1	MA200 Ni ppm 0.1	MA200 P % 0.001	MA200 Pb ppm 0.1	MA200 Rb ppm 0.1	MA200 Re ppm 0.005	MA200 S % 0.1	MA200 Sb ppm 0.1	MA200 Sc ppm 1	MA200 Se ppm 1	MA200 Sn ppm 0.1	MA200 Sr ppm 1	MA200 Ta ppm 0.1	MA200 Te ppm 0.5	MA200 Th ppm 0.1	MA200 Ti % 0.001
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXP116	Standard																				
STD OXQ90	Standard																				
STD OXQ90	Standard																				
STD OREAS45H Expected		0.238	380	1.55	0.09	14.8	423	0.023	11.9	22.5			0.63	57	2.02	1.93	27.1	1.08		7.26	0.878
STD OREAS25A-4A Expected		0.327	480	2.41	0.131	20.9	45.8	0.048	25.2	61		0.047	0.65	13.7	2.4	4.06	48.5	1.4		15.8	0.93
STD OREAS45E Expected		0.156	570	2.4	0.059	6.8	454	0.034	18.2	21.2		0.046	1	93	2.97	1.32	15.9	0.54	0.1	12.9	0.559
STD OXC145 Expected																					
STD OXN134 Expected																					
STD OXH139 Expected																					
STD OXP116 Expected																					
STD OXQ90 Expected																					
BLK	Blank	<0.01	<1	<0.1	0.001	<0.1	0.2	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<1	<0.1	0.003	<0.1	<0.1	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.003	<0.1	<0.1	<0.001	<0.1	0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.002	<0.1	<0.1	<0.001	<0.1	0.3	<0.005	<0.1	<0.1	<1	2	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-TIM	Prep Blank	0.61	699	1.0	3.602	6.5	1.6	0.045	2.5	31.4	<0.005	<0.1	0.1	8	<1	0.7	238	0.5	<0.5	3.2	0.233
ROCK-TIM	Prep Blank	0.58	666	1.1	3.439	6.0	1.6	0.040	2.4	28.7	<0.005	<0.1	0.2	8	1	0.7	218	0.4	<0.5	2.8	0.211

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BUREAU VERITAS
MINERAL LABORATORIES
Canada

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 31, 2020

QUALITY CONTROL REPORT TIM19002909.1

		MA200 Tl ppm 0.5	MA200 U ppm 0.1	MA200 V ppm 1	MA200 W ppm 0.1	MA200 Y ppm 0.1	MA200 Zn ppm 1	MA200 Zr ppm 0.1	FA550 Au gm/t 0.9
STD OXH139	Standard								
STD OXH139	Standard								
STD OXH139	Standard								
STD OXN134	Standard								
STD OXN134	Standard								
STD OXP116	Standard								15.2
STD OXQ90	Standard								25.5
STD OXQ90	Standard								25.3
STD OREAS45H Expected			1.68	263	0.99	10.4	39.7	131	
STD OREAS25A-4A Expected		0.35	2.94	157	2	10.5	44.4	155	
STD OREAS45E Expected		0.15	2.41	322	1.07	8.28	46.7	97	
STD OXC145 Expected									
STD OXN134 Expected									
STD OXH139 Expected									
STD OXP116 Expected									14.92
STD OXQ90 Expected									24.88
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	0.1	
BLK	Blank								
BLK	Blank								
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1	
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1	
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1	
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								<0.9
Prep Wash									
ROCK-TIM	Prep Blank	<0.5	1.2	44	0.3	21.7	39	53.1	
ROCK-TIM	Prep Blank	<0.5	1.1	44	0.3	20.1	36	50.2	

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Bureau Veritas Commodities Canada Ltd.
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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By:	Quentin Yarie
Receiving Lab:	Canada-Timmins
Received:	December 16, 2019
Analysis Start:	January 20, 2020
Report Date:	January 29, 2020
Page:	1 of 4

CERTIFICATE OF ANALYSIS TIM19002910.1

CLIENT JOB INFORMATION

Project:	SPJ
Shipment ID:	
P.O. Number	
Number of Samples:	81

SAMPLE DISPOSAL

RTRN-PLP	Return After 90 days
RTRN-RJT	Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP85-500	76	Crush split and pulverize 250g of sample to 200mesh			TIM
SHP01	81	Per sample shipping charges for branch shipments			TIM
SLBHP	5	Sort, label and box pulps			TIM
FA450	81	50g Lead Collection Fire Assay Fusion - AAS Finish	50	Completed	TIM
EN002	81	Environmental disposal charge-Fire assay lead waste			TIM
MA200	81	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
EN001-MA	81	Environmental disposal fee - Multi-acid neutralization			VAN
FA550	1	Lead collection fire assay 50G fusion - Grav finish	50	Completed	TIM

ADDITIONAL COMMENTS

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC:

MAY LAI
Data Validation Specialist

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All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

BUREAU VERITAS MINERAL LABORATORIES Canada

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

CERTIFICATE OF ANALYSIS TIM19002910.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3569980	Rock Pulp	0.07	0.530	0.2	7.47	5	148	<1	<0.1	6.96	<0.1	10	49.6	194	167.0	8.38	1.4	<0.05	0.18	4.0	10.6
3569981	Drill Core	5.67	0.012	<0.1	7.63	5	82	2	<0.1	3.70	<0.1	44	23.5	82	3.9	2.11	4.3	<0.05	0.94	21.0	8.4
3569982	Drill Core	6.24	0.006	<0.1	6.18	3	63	<1	<0.1	1.95	<0.1	32	13.3	90	4.1	1.40	3.3	<0.05	0.54	13.7	6.6
3569983	Drill Core	4.81	0.008	<0.1	6.29	8	92	1	<0.1	2.87	<0.1	57	22.5	75	4.0	1.42	3.3	<0.05	0.44	26.0	8.4
3569984	Drill Core	4.35	<0.005	<0.1	6.56	3	17	<1	<0.1	2.14	<0.1	43	2.9	131	3.9	0.66	3.8	<0.05	0.25	19.7	1.3
3569985	Drill Core	4.66	<0.005	<0.1	6.65	2	16	1	<0.1	3.35	<0.1	33	2.2	38	2.1	0.86	3.8	<0.05	0.15	15.0	0.7
3569986	Drill Core	4.13	0.198	<0.1	5.96	19	18	<1	0.2	1.89	<0.1	16	121.8	71	3.3	1.60	3.3	<0.05	0.27	6.6	1.2
3569987	Drill Core	3.96	0.031	<0.1	6.46	5	26	1	<0.1	3.07	<0.1	34	22.1	53	3.1	1.08	3.6	<0.05	0.28	14.7	1.2
3569988	Drill Core	5.16	0.009	<0.1	6.41	5	143	2	<0.1	2.36	<0.1	25	21.7	89	3.6	2.49	3.9	<0.05	0.96	11.3	7.2
3569989	Drill Core	5.21	0.050	<0.1	6.95	6	175	2	0.1	2.05	<0.1	72	34.7	103	2.9	3.83	3.6	<0.05	1.66	34.2	15.6
3569990	Drill Core	4.89	<0.005	<0.1	5.70	6	135	2	0.2	1.08	<0.1	22	39.4	95	4.2	2.57	3.3	<0.05	1.32	9.4	12.5
3569991	Drill Core	4.71	<0.005	<0.1	6.46	4	119	1	0.1	1.89	0.2	38	25.1	84	3.8	2.18	3.4	<0.05	1.11	16.6	11.0
3569992	Drill Core	4.85	<0.005	<0.1	6.05	<1	154	2	<0.1	0.76	<0.1	18	8.7	111	1.8	2.84	3.4	<0.05	1.70	8.5	14.5
3569993	Drill Core	3.97	0.012	<0.1	6.89	4	60	2	0.2	2.84	<0.1	60	17.3	87	3.2	1.83	3.5	<0.05	0.58	28.2	4.8
3569994	Drill Core	4.13	0.009	<0.1	6.72	5	99	2	<0.1	2.31	<0.1	45	30.8	101	3.4	2.56	3.5	<0.05	1.25	20.0	9.2
3569995	Drill Core	3.77	0.038	<0.1	6.78	6	70	1	<0.1	5.60	<0.1	34	33.6	72	4.0	2.56	3.2	<0.05	0.48	16.0	4.6
3569996	Drill Core	3.68	0.011	<0.1	6.84	3	72	2	<0.1	3.02	<0.1	32	25.3	86	6.8	2.12	3.7	<0.05	0.87	13.9	8.4
3569997	Drill Core	5.34	0.005	<0.1	7.25	3	19	<1	<0.1	4.40	<0.1	48	7.6	85	2.1	1.35	3.5	<0.05	0.25	22.2	1.1
3569998	Silica	0.21	<0.005	<0.1	8.35	2	16	<1	<0.1	0.15	<0.1	1	<0.2	2	1.8	0.20	0.3	<0.05	4.10	0.5	25.6
3569999	Drill Core	5.14	<0.005	<0.1	6.97	3	37	1	<0.1	2.78	<0.1	43	5.7	117	2.0	1.13	3.3	<0.05	0.38	19.3	2.8
3567000	Rock Pulp	0.07	1.574	0.3	7.40	793	342	1	<0.1	5.80	<0.1	37	44.3	207	86.6	8.83	2.9	0.06	0.65	19.9	9.0
3567001	Drill Core	5.17	0.005	<0.1	7.22	2	15	1	<0.1	2.79	<0.1	29	2.5	81	2.1	0.85	3.4	<0.05	0.24	13.2	1.5
3567002	Drill Core	5.92	<0.005	<0.1	7.58	2	13	1	<0.1	3.20	<0.1	45	1.0	100	1.7	0.87	3.1	<0.05	0.22	21.0	0.8
3567003	Drill Core	5.72	<0.005	<0.1	6.96	2	13	<1	<0.1	3.70	<0.1	68	1.5	98	2.3	0.95	2.7	<0.05	0.14	32.1	1.1
3567004	Drill Core	3.99	<0.005	<0.1	6.96	2	12	1	<0.1	3.63	<0.1	20	4.5	49	1.7	1.01	3.5	<0.05	0.18	9.0	0.7
3567005	Drill Core	5.19	0.006	<0.1	6.48	5	14	<1	<0.1	2.00	<0.1	43	6.8	55	2.0	0.81	3.6	<0.05	0.24	19.2	0.8
3567006	Drill Core	3.16	0.007	<0.1	6.68	3	150	2	<0.1	1.54	<0.1	30	27.9	107	1.7	4.60	3.4	<0.05	1.37	14.9	24.7
3567007	Drill Core	4.34	<0.005	<0.1	6.78	3	29	1	<0.1	3.06	<0.1	45	5.9	102	3.6	1.08	2.9	<0.05	0.47	21.3	2.7
3567008	Drill Core	4.42	<0.005	<0.1	6.84	2	61	<1	<0.1	2.51	<0.1	21	3.9	77	2.7	1.31	2.8	<0.05	0.59	9.2	6.1
3567009	Drill Core	4.97	0.098	<0.1	6.59	5	42	2	<0.1	2.42	<0.1	19	25.3	78	2.4	1.26	3.3	<0.05	0.39	8.7	3.3

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Bureau Veritas Commodities Canada Ltd.

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

CERTIFICATE OF ANALYSIS TIM19002910.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3569980	Rock Pulp	4.26	1443	0.6	2.495	3.6	108.0	0.039	2.9	3.8	<0.005	0.1	0.4	45	<1	0.6	121	0.2	1.2	0.4	0.650
3569981	Drill Core	2.74	314	0.5	5.622	4.3	47.8	0.036	1.3	50.1	<0.005	0.2	0.3	13	<1	2.2	63	0.4	1.2	11.1	0.206
3569982	Drill Core	1.70	180	0.7	5.914	2.3	39.7	0.046	1.0	12.2	<0.005	<0.1	0.3	8	<1	0.7	50	0.2	<0.5	6.6	0.119
3569983	Drill Core	1.92	261	0.6	5.766	1.9	43.6	0.040	1.1	15.6	<0.005	0.1	0.2	10	<1	0.7	65	0.2	0.7	6.9	0.102
3569984	Drill Core	1.15	223	0.4	7.077	4.4	8.9	0.026	1.0	1.1	<0.005	<0.1	0.4	2	<1	0.9	27	0.4	<0.5	7.9	0.164
3569985	Drill Core	1.68	272	0.5	7.434	4.0	8.7	0.015	1.0	0.6	<0.005	<0.1	0.4	3	<1	0.8	34	0.3	<0.5	8.3	0.146
3569986	Drill Core	1.02	238	0.8	7.231	2.6	77.1	0.032	1.1	0.7	<0.005	1.2	0.3	2	2	0.6	24	0.2	<0.5	4.7	0.101
3569987	Drill Core	1.63	357	0.5	6.512	3.2	25.6	0.020	1.0	2.6	<0.005	0.2	0.3	5	<1	0.8	38	0.3	0.5	8.3	0.126
3569988	Drill Core	2.31	246	0.6	5.480	2.7	59.8	0.044	1.2	35.4	<0.005	0.1	0.3	12	<1	1.6	57	0.3	0.5	7.9	0.186
3569989	Drill Core	3.46	170	0.8	4.473	3.5	95.9	0.047	1.3	80.3	<0.005	0.2	0.2	16	<1	2.7	49	0.4	1.4	8.3	0.261
3569990	Drill Core	2.44	147	1.0	4.976	2.6	74.7	0.045	1.0	30.1	<0.005	0.2	0.2	11	<1	1.5	45	0.3	0.6	5.0	0.208
3569991	Drill Core	2.34	196	0.6	4.768	3.8	55.7	0.046	1.0	35.0	<0.005	0.1	0.2	11	<1	2.0	56	0.4	0.6	6.8	0.206
3569992	Drill Core	2.88	99	0.4	5.391	2.9	78.7	0.038	0.6	49.4	<0.005	<0.1	0.2	16	<1	3.1	39	0.3	0.7	4.6	0.259
3569993	Drill Core	2.34	325	0.7	5.829	2.9	51.0	0.037	1.7	22.3	<0.005	0.1	0.4	16	<1	2.7	54	0.3	0.9	8.6	0.158
3569994	Drill Core	2.82	281	0.5	4.948	3.2	67.3	0.044	1.0	39.9	<0.005	0.2	0.2	12	<1	1.4	44	0.3	0.6	9.0	0.189
3569995	Drill Core	3.18	577	0.6	5.378	2.6	48.9	0.029	1.1	25.0	<0.005	0.3	0.4	11	<1	0.7	60	0.2	1.5	10.2	0.136
3569996	Drill Core	2.56	275	0.7	5.540	2.7	60.5	0.032	1.6	33.9	<0.005	0.2	0.3	14	<1	2.9	63	0.3	0.8	9.3	0.170
3569997	Drill Core	2.03	435	0.9	6.588	4.9	12.8	0.037	1.0	1.4	<0.005	<0.1	0.4	5	<1	1.4	46	0.4	1.0	11.1	0.202
3569998	Silica	0.02	36	0.1	8.531	<0.1	0.5	<0.001	4.8	56.6	<0.005	<0.1	<0.1	<1	<1	<0.1	26	<0.1	<0.5	0.2	<0.001
3569999	Drill Core	1.73	275	0.7	7.056	4.2	22.7	0.022	0.9	6.2	<0.005	<0.1	0.3	6	<1	2.0	38	0.4	<0.5	7.8	0.184
3567000	Rock Pulp	3.92	1935	2.8	2.312	18.4	149.7	0.168	4.7	20.8	0.006	0.7	2.3	19	<1	1.5	367	1.1	1.0	3.2	0.918
3567001	Drill Core	1.49	272	0.4	7.099	4.5	7.9	0.008	0.8	1.1	<0.005	<0.1	0.5	3	<1	1.2	35	0.3	<0.5	8.5	0.187
3567002	Drill Core	1.67	260	0.6	7.332	4.0	8.9	0.018	0.8	0.9	<0.005	<0.1	0.4	3	<1	0.8	37	0.3	0.6	7.2	0.167
3567003	Drill Core	1.84	268	0.5	7.194	3.7	9.1	0.042	0.9	0.7	<0.005	<0.1	0.4	3	<1	1.1	37	0.3	0.6	6.2	0.156
3567004	Drill Core	1.80	310	0.2	7.007	4.6	10.3	0.017	0.8	0.6	<0.005	<0.1	0.5	3	<1	1.2	37	0.4	<0.5	8.0	0.189
3567005	Drill Core	1.08	233	0.3	6.958	4.1	9.8	0.017	1.0	1.7	<0.005	<0.1	0.4	2	<1	1.0	28	0.3	<0.5	8.0	0.182
3567006	Drill Core	2.81	167	0.1	4.847	1.4	87.7	0.055	1.3	52.0	<0.005	0.4	0.2	15	<1	1.1	46	0.1	0.6	7.6	0.163
3567007	Drill Core	1.85	397	0.3	6.304	2.9	27.1	0.030	1.0	8.0	<0.005	<0.1	0.4	7	<1	1.2	47	0.2	<0.5	7.0	0.129
3567008	Drill Core	2.04	254	0.4	6.104	2.8	36.4	0.030	0.9	16.0	<0.005	<0.1	0.4	9	<1	1.4	57	0.2	<0.5	5.6	0.146
3567009	Drill Core	1.56	198	0.5	6.739	2.8	38.7	0.035	1.1	9.9	<0.005	0.2	0.4	7	<1	1.3	48	0.3	<0.5	5.6	0.144

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

CERTIFICATE OF ANALYSIS TIM19002910.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA550
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3569980	Rock Pulp	<0.5	0.1	314	1.0	22.3	83	50.4	
3569981	Drill Core	<0.5	3.0	91	1.7	13.9	2	144.5	
3569982	Drill Core	<0.5	1.5	72	1.2	5.8	2	117.6	
3569983	Drill Core	<0.5	1.9	70	1.1	8.2	1	110.8	
3569984	Drill Core	<0.5	1.0	85	4.9	4.8	1	132.3	
3569985	Drill Core	<0.5	2.2	33	4.6	5.7	<1	136.6	
3569986	Drill Core	<0.5	1.0	39	3.5	3.3	<1	119.1	
3569987	Drill Core	<0.5	1.9	44	5.3	7.4	<1	115.7	
3569988	Drill Core	<0.5	2.0	98	1.7	8.3	2	130.8	
3569989	Drill Core	<0.5	4.8	129	0.6	13.0	3	124.4	
3569990	Drill Core	<0.5	1.8	103	0.7	5.9	1	118.3	
3569991	Drill Core	<0.5	1.9	83	0.8	10.9	1	120.0	
3569992	Drill Core	<0.5	0.7	117	1.0	5.6	2	118.8	
3569993	Drill Core	<0.5	1.7	93	2.0	15.5	1	125.8	
3569994	Drill Core	<0.5	2.1	98	1.5	9.7	2	123.7	
3569995	Drill Core	<0.5	2.4	90	3.8	10.6	1	108.3	
3569996	Drill Core	<0.5	2.3	105	1.5	11.5	2	123.6	
3569997	Drill Core	<0.5	2.4	74	7.6	8.9	<1	118.4	
3569998	Silica	0.6	0.2	<1	<0.1	1.2	2	15.0	
3569999	Drill Core	<0.5	1.3	103	4.0	7.6	2	116.2	
3567000	Rock Pulp	<0.5	0.9	162	1.3	21.6	112	121.3	
3567001	Drill Core	<0.5	1.6	61	5.1	6.2	2	119.1	
3567002	Drill Core	<0.5	1.3	72	4.9	5.6	1	106.6	
3567003	Drill Core	<0.5	1.3	72	5.0	5.2	<1	89.8	
3567004	Drill Core	<0.5	1.4	47	5.4	5.7	<1	118.9	
3567005	Drill Core	<0.5	1.8	48	4.8	5.1	<1	117.8	
3567006	Drill Core	<0.5	4.6	135	0.4	6.7	3	122.3	
3567007	Drill Core	<0.5	1.7	78	2.6	8.7	2	101.4	
3567008	Drill Core	<0.5	1.4	74	1.8	7.5	1	101.4	
3567009	Drill Core	<0.5	1.2	75	1.9	6.9	<1	115.7	

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

CERTIFICATE OF ANALYSIS TIM19002910.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3567010	Drill Core	4.75	<0.005	<0.1	6.89	3	75	2	<0.1	2.17	<0.1	29	7.6	62	5.0	1.29	2.7	<0.05	0.54	14.4	5.0
3567011	Drill Core	4.74	0.006	<0.1	6.96	2	38	1	<0.1	3.24	<0.1	19	4.5	77	2.3	1.28	3.0	<0.05	0.38	8.1	3.6
3567012	Drill Core	4.92	<0.005	<0.1	6.58	2	54	<1	<0.1	1.38	<0.1	27	3.4	77	2.0	1.00	2.9	<0.05	0.42	11.3	5.2
3567013	Drill Core	5.10	<0.005	<0.1	7.78	3	30	<1	0.2	3.30	<0.1	50	2.7	53	2.9	1.03	3.2	0.06	0.17	24.0	1.3
3567014	Drill Core	5.04	0.008	<0.1	6.88	3	40	1	<0.1	2.08	<0.1	72	4.7	61	2.4	1.16	3.5	<0.05	0.35	33.1	3.4
3567015	Drill Core	4.08	<0.005	<0.1	6.57	3	89	1	<0.1	2.19	<0.1	24	8.9	68	2.2	1.81	2.8	<0.05	0.87	10.8	9.3
3567016	Drill Core	4.54	<0.005	<0.1	6.71	3	104	2	<0.1	1.81	<0.1	14	15.5	75	2.2	2.06	2.8	<0.05	0.94	6.6	9.5
3567017	Drill Core	4.95	<0.005	<0.1	6.67	2	20	1	<0.1	4.59	<0.1	60	2.5	49	2.8	1.40	2.3	<0.05	0.22	28.0	1.3
3567018	Drill Core	4.31	0.018	<0.1	6.33	4	17	<1	<0.1	4.86	<0.1	19	3.9	41	2.5	1.47	2.7	<0.05	0.15	9.7	1.3
3567019	Drill Core	4.46	0.016	<0.1	7.06	5	61	2	<0.1	1.60	<0.1	14	11.1	87	2.1	1.35	3.7	<0.05	0.51	6.0	6.1
3567020	Rock Pulp	0.07	0.534	0.2	7.24	5	143	<1	<0.1	6.86	<0.1	10	47.8	186	161.0	7.85	1.6	0.07	0.18	4.0	12.7
3567021	Drill Core	5.41	0.005	<0.1	5.92	2	130	2	<0.1	0.62	<0.1	21	9.9	94	2.2	2.72	3.0	<0.05	1.29	9.4	14.2
3567022	Drill Core	4.83	<0.005	<0.1	7.13	2	20	<1	<0.1	2.47	<0.1	14	1.3	59	2.2	0.76	2.9	<0.05	0.23	5.9	1.0
3567023	Drill Core	5.36	0.019	<0.1	6.74	4	20	<1	<0.1	3.46	<0.1	20	16.6	55	2.9	1.16	2.5	<0.05	0.27	9.0	1.1
3567024	Drill Core	5.14	0.045	<0.1	7.00	9	22	1	<0.1	2.65	<0.1	58	21.8	32	2.5	1.01	2.7	<0.05	0.24	27.5	1.3
3567025	Silica	0.21	<0.005	<0.1	8.71	2	16	1	<0.1	0.16	<0.1	1	<0.2	2	2.0	0.18	0.2	<0.05	4.05	0.5	24.3
3567026	Drill Core	4.22	0.006	<0.1	6.32	4	13	<1	<0.1	1.39	<0.1	3	9.7	9	2.1	0.56	2.0	<0.05	0.13	1.4	0.5
3567027	Drill Core	3.78	0.008	<0.1	7.54	6	27	2	<0.1	4.58	<0.1	19	9.7	53	2.2	1.46	2.7	<0.05	0.21	9.1	2.4
3567028	Drill Core	6.50	<0.005	<0.1	7.22	2	16	<1	<0.1	3.51	<0.1	58	1.5	79	2.2	0.99	3.7	<0.05	0.17	27.4	0.7
3567029	Drill Core	4.78	<0.005	<0.1	7.04	2	19	1	<0.1	2.20	<0.1	23	1.0	76	2.8	0.68	3.4	<0.05	0.16	10.4	0.8
3567030	Drill Core	5.16	0.006	<0.1	7.47	4	13	<1	<0.1	5.57	<0.1	19	6.1	50	2.8	1.46	3.3	<0.05	0.23	8.9	1.2
3567031	Drill Core	4.50	0.020	<0.1	7.31	6	14	1	<0.1	3.81	<0.1	37	8.4	43	6.7	1.24	3.5	<0.05	0.36	18.2	4.5
3567032	Drill Core	3.90	0.112	<0.1	6.88	35	13	<1	0.2	3.12	<0.1	37	45.0	55	5.4	1.38	2.6	<0.05	0.15	17.0	1.3
3567033	Drill Core	3.91	0.101	<0.1	7.58	27	17	<1	0.1	4.10	<0.1	35	55.2	62	4.4	1.69	3.0	<0.05	0.17	16.6	0.8
3567034	Drill Core	4.12	0.066	<0.1	6.49	32	18	1	<0.1	2.74	<0.1	58	23.1	49	3.9	1.13	2.6	<0.05	0.16	27.9	1.3
3567035	Drill Core	4.89	0.011	<0.1	6.06	11	11	<1	<0.1	4.80	<0.1	43	8.8	44	3.9	1.18	2.6	<0.05	0.14	20.7	1.2
3567036	Drill Core	4.73	0.011	<0.1	5.71	9	11	<1	<0.1	3.13	<0.1	42	8.8	38	3.6	0.84	2.6	<0.05	0.12	19.8	0.6
3567037	Drill Core	4.84	0.017	<0.1	5.59	13	12	<1	<0.1	5.40	<0.1	37	7.2	43	3.2	1.16	2.8	<0.05	0.13	17.5	1.2
3567038	Drill Core	4.44	0.038	<0.1	5.21	19	10	<1	<0.1	4.56	<0.1	32	10.4	41	3.2	1.16	2.4	<0.05	0.12	15.1	0.9
3567039	Drill Core	3.46	0.021	<0.1	6.84	14	14	1	0.2	3.53	<0.1	35	60.2	51	3.5	1.49	3.3	<0.05	0.16	16.2	1.0

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Project: SPJ
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CERTIFICATE OF ANALYSIS TIM19002910.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3567010	Drill Core	1.77	166	0.4	6.149	2.0	47.2	0.037	1.1	23.1	<0.005	<0.1	0.2	10	<1	1.3	66	0.2	0.6	6.4	0.113
3567011	Drill Core	1.87	305	0.7	6.666	2.8	22.1	0.025	1.0	6.3	<0.005	<0.1	0.3	6	<1	0.8	53	0.3	<0.5	6.3	0.131
3567012	Drill Core	1.20	127	0.2	6.170	3.0	32.5	0.035	1.0	9.7	<0.005	<0.1	0.3	8	<1	1.2	45	0.2	<0.5	6.3	0.149
3567013	Drill Core	1.59	319	0.4	7.537	5.4	10.2	0.030	1.0	1.8	<0.005	<0.1	0.6	4	<1	1.3	47	0.5	<0.5	9.4	0.227
3567014	Drill Core	1.32	196	0.3	6.766	4.6	26.2	0.026	1.3	8.8	<0.005	<0.1	0.5	8	<1	1.5	42	0.4	<0.5	8.8	0.210
3567015	Drill Core	2.28	177	0.4	5.405	2.6	63.3	0.030	1.0	40.3	<0.005	<0.1	0.2	11	<1	2.3	59	0.2	<0.5	6.1	0.167
3567016	Drill Core	2.47	150	0.4	5.730	2.2	72.7	0.044	0.9	38.7	<0.005	<0.1	0.2	14	<1	1.3	67	0.2	<0.5	5.8	0.170
3567017	Drill Core	2.39	477	0.3	5.688	2.9	13.5	0.018	0.9	4.0	<0.005	<0.1	0.5	6	<1	0.9	55	0.2	0.7	6.2	0.131
3567018	Drill Core	2.35	523	0.5	5.479	2.5	11.6	0.022	1.0	1.6	<0.005	<0.1	0.4	7	<1	1.1	62	0.2	1.1	6.1	0.110
3567019	Drill Core	1.40	154	0.4	6.888	3.7	52.0	0.042	1.0	16.9	<0.005	<0.1	0.4	12	<1	1.5	47	0.3	<0.5	9.2	0.205
3567020	Rock Pulp	4.31	1414	0.8	2.337	3.4	100.2	0.038	2.8	3.4	<0.005	0.1	0.4	43	<1	0.6	116	0.2	1.0	0.4	0.678
3567021	Drill Core	2.13	76	0.3	5.459	2.2	76.2	0.042	0.7	44.8	<0.005	<0.1	0.1	15	<1	1.1	42	0.2	<0.5	4.9	0.219
3567022	Drill Core	1.30	182	0.5	7.184	2.8	7.3	0.032	0.8	2.0	<0.005	<0.1	0.3	4	<1	1.0	32	0.2	<0.5	5.6	0.123
3567023	Drill Core	1.72	378	0.4	6.669	3.1	15.8	0.005	0.8	1.2	<0.005	0.1	0.5	4	<1	0.9	38	0.3	<0.5	4.2	0.126
3567024	Drill Core	1.35	249	0.7	7.036	1.8	18.6	0.032	1.1	1.9	<0.005	0.2	0.2	4	<1	0.4	51	0.2	<0.5	6.3	0.064
3567025	Silica	0.03	31	<0.1	8.112	<0.1	0.3	<0.001	4.7	57.8	<0.005	<0.1	0.1	<1	<1	<0.1	29	<0.1	<0.5	0.1	<0.001
3567026	Drill Core	0.73	108	1.1	7.406	0.8	8.8	0.009	0.6	0.2	<0.005	<0.1	0.2	2	<1	0.2	34	<0.1	<0.5	2.5	0.031
3567027	Drill Core	2.37	444	0.4	6.613	3.1	23.8	0.017	1.0	3.2	<0.005	<0.1	0.4	7	<1	0.8	69	0.3	0.6	7.6	0.135
3567028	Drill Core	1.69	311	0.4	7.027	3.6	7.2	0.038	1.0	1.1	<0.005	<0.1	0.4	5	<1	1.1	44	0.3	0.5	7.7	0.150
3567029	Drill Core	1.10	190	0.5	7.641	3.7	6.8	0.023	0.8	0.9	<0.005	<0.1	0.3	6	<1	0.9	36	0.3	<0.5	7.5	0.170
3567030	Drill Core	2.74	502	0.8	6.644	3.1	11.2	0.019	0.9	1.7	<0.005	<0.1	0.4	7	<1	1.0	52	0.3	1.0	10.1	0.127
3567031	Drill Core	2.14	473	0.4	6.183	3.2	20.0	0.041	0.9	2.5	<0.005	<0.1	0.4	7	<1	0.9	49	0.3	1.0	7.8	0.118
3567032	Drill Core	1.58	239	0.5	6.833	2.0	36.3	0.033	1.1	1.1	<0.005	0.6	0.3	6	<1	0.6	44	0.2	<0.5	4.5	0.087
3567033	Drill Core	1.98	368	0.6	6.815	2.4	31.9	0.031	1.1	1.5	<0.005	0.6	0.3	7	<1	0.6	54	0.2	<0.5	5.7	0.101
3567034	Drill Core	1.35	190	0.9	5.896	2.2	22.3	0.063	1.1	2.6	<0.005	0.4	0.3	8	<1	0.5	49	0.2	<0.5	8.2	0.091
3567035	Drill Core	2.38	341	0.7	5.208	2.3	9.9	0.035	0.9	1.2	<0.005	<0.1	0.3	15	<1	0.5	41	0.2	0.5	8.1	0.096
3567036	Drill Core	1.54	227	0.5	5.169	2.6	8.6	0.043	0.9	0.9	<0.005	<0.1	0.3	9	<1	0.6	28	0.2	<0.5	7.4	0.103
3567037	Drill Core	2.75	346	0.6	4.747	1.8	9.1	0.037	1.0	1.3	<0.005	0.1	0.2	16	<1	0.4	46	0.2	1.6	7.5	0.067
3567038	Drill Core	2.35	309	0.4	4.390	1.5	10.8	0.038	1.0	1.1	<0.005	0.2	0.2	16	<1	0.3	36	0.1	1.1	6.8	0.058
3567039	Drill Core	1.65	279	0.8	6.938	2.7	53.0	0.051	1.4	0.7	<0.005	0.6	0.2	4	<1	0.6	40	0.2	<0.5	8.1	0.105

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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA550
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3567010	Drill Core	<0.5	1.8	70	1.0	7.4	1	98.7	
3567011	Drill Core	<0.5	1.3	66	2.7	6.8	<1	110.6	
3567012	Drill Core	<0.5	0.9	84	1.2	6.0	<1	100.6	
3567013	Drill Core	<0.5	1.7	64	5.5	9.4	<1	109.6	
3567014	Drill Core	<0.5	1.4	69	2.5	8.9	<1	121.2	
3567015	Drill Core	<0.5	1.3	92	0.7	9.6	1	100.1	
3567016	Drill Core	<0.5	1.4	107	0.7	9.8	2	101.3	
3567017	Drill Core	<0.5	1.6	54	4.3	8.3	<1	81.9	
3567018	Drill Core	<0.5	2.4	47	3.4	9.8	<1	96.1	
3567019	Drill Core	<0.5	1.6	128	1.3	9.3	<1	126.9	
3567020	Rock Pulp	<0.5	<0.1	318	1.1	22.7	80	48.1	
3567021	Drill Core	<0.5	0.9	114	0.3	5.5	2	107.4	
3567022	Drill Core	<0.5	1.1	48	2.2	5.5	<1	108.3	
3567023	Drill Core	<0.5	0.7	54	4.0	5.8	<1	89.9	
3567024	Drill Core	<0.5	1.0	35	1.5	5.0	<1	99.3	
3567025	Silica	0.7	<0.1	<1	<0.1	1.6	2	9.3	
3567026	Drill Core	<0.5	0.9	11	1.1	1.9	<1	73.5	
3567027	Drill Core	<0.5	2.2	69	3.8	9.8	<1	108.0	
3567028	Drill Core	<0.5	2.3	75	3.3	8.2	1	141.8	
3567029	Drill Core	<0.5	0.9	65	1.8	6.7	<1	126.3	
3567030	Drill Core	<0.5	2.4	52	3.0	10.1	<1	116.4	
3567031	Drill Core	<0.5	2.6	40	4.9	10.0	<1	117.9	
3567032	Drill Core	<0.5	1.3	44	2.6	5.7	<1	98.4	
3567033	Drill Core	<0.5	2.1	49	3.3	8.8	<1	116.6	
3567034	Drill Core	<0.5	2.2	42	2.9	8.3	<1	96.0	
3567035	Drill Core	<0.5	2.2	41	3.6	8.3	<1	98.0	
3567036	Drill Core	<0.5	1.9	34	4.4	6.7	<1	95.1	
3567037	Drill Core	<0.5	2.2	44	2.9	8.1	<1	99.1	
3567038	Drill Core	<0.5	2.2	33	3.3	7.2	<1	83.3	
3567039	Drill Core	<0.5	1.2	35	4.0	5.5	<1	115.6	

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

CERTIFICATE OF ANALYSIS TIM19002910.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3567040	Rock Pulp	0.07	>10	1.9	5.45	61	228	<1	0.7	3.97	0.2	12	34.9	496	129.0	4.55	1.3	<0.05	0.71	6.2	28.2
3567041	Drill Core	3.67	0.012	<0.1	6.99	6	12	<1	<0.1	4.92	<0.1	45	5.1	45	2.7	1.25	3.3	<0.05	0.17	22.0	1.1
3567042	Drill Core	4.12	0.029	<0.1	5.74	15	13	<1	<0.1	5.00	<0.1	58	7.8	42	4.7	1.19	2.9	<0.05	0.12	28.5	1.4
3567043	Drill Core	3.61	0.029	<0.1	5.79	11	10	<1	<0.1	3.98	<0.1	36	6.2	44	2.7	1.07	2.4	<0.05	0.11	17.6	0.5
3567044	Drill Core	5.00	0.031	<0.1	5.35	19	15	<1	<0.1	3.74	<0.1	42	6.6	39	4.1	0.93	3.1	<0.05	0.13	20.3	1.1
3567045	Drill Core	3.90	0.051	<0.1	5.10	26	11	<1	<0.1	6.14	<0.1	32	11.3	42	4.2	1.43	2.5	<0.05	0.13	15.7	1.0
3567046	Drill Core	4.90	0.061	<0.1	4.90	32	12	<1	<0.1	6.18	<0.1	33	12.7	45	3.0	1.56	2.4	<0.05	0.12	15.2	1.1
3567047	Drill Core	4.36	0.042	<0.1	4.60	17	10	<1	<0.1	7.99	<0.1	38	9.0	55	3.4	1.88	2.3	<0.05	0.13	18.6	1.1
3567048	Drill Core	3.59	0.059	<0.1	7.41	19	10	<1	0.1	5.30	<0.1	45	27.0	47	4.2	1.58	2.9	<0.05	0.14	22.0	1.1
3567049	Drill Core	3.36	0.041	<0.1	6.68	18	9	1	0.2	3.72	<0.1	41	36.6	35	4.6	1.24	2.7	<0.05	0.11	19.5	0.6
3567050	Silica	0.20	<0.005	<0.1	9.65	<1	17	<1	<0.1	0.17	<0.1	1	<0.2	<1	0.4	0.20	0.2	<0.05	4.34	0.6	20.6
3567051	Drill Core	3.59	0.010	<0.1	6.94	6	12	<1	<0.1	3.84	<0.1	45	21.3	26	2.6	1.20	3.2	<0.05	0.15	21.0	0.8
3567052	Drill Core	4.21	0.009	<0.1	6.60	6	14	2	<0.1	6.74	<0.1	49	14.3	31	2.8	1.86	2.5	<0.05	0.14	23.7	1.1
3567053	Drill Core	4.43	0.036	<0.1	7.15	13	15	<1	<0.1	5.36	<0.1	42	23.4	36	4.3	1.53	3.0	<0.05	0.16	20.0	1.2
3567054	Drill Core	4.28	0.009	<0.1	6.84	4	15	2	<0.1	4.78	<0.1	55	4.1	32	1.5	1.30	2.4	<0.05	0.17	27.6	0.8
3567055	Drill Core	4.14	0.014	<0.1	7.65	6	11	<1	<0.1	4.94	<0.1	43	7.8	41	1.7	1.26	2.9	<0.05	0.18	20.8	1.1
3567056	Drill Core	4.09	0.076	<0.1	6.86	25	23	1	<0.1	2.51	<0.1	29	12.9	47	2.7	0.90	2.4	<0.05	0.16	13.9	0.5
3567057	Drill Core	4.23	0.011	<0.1	7.67	7	18	1	<0.1	3.10	<0.1	79	9.8	34	1.1	0.89	3.1	<0.05	0.15	35.4	0.7
3567058	Drill Core	3.73	0.008	<0.1	7.22	7	15	1	<0.1	5.88	<0.1	53	13.8	76	2.0	1.59	3.4	<0.05	0.16	25.9	1.3
3567059	Drill Core	4.30	0.013	<0.1	7.68	9	18	<1	<0.1	4.61	<0.1	144	26.9	36	3.1	1.49	2.1	<0.05	0.20	73.0	1.3
3567060	Rock Pulp	0.06	5.342	0.9	6.40	25	218	<1	0.2	5.46	0.2	12	39.8	271	133.1	7.13	1.5	0.09	0.48	5.2	18.3

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

CERTIFICATE OF ANALYSIS TIM19002910.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3567040	Rock Pulp	4.36	754	6.1	1.230	2.0	226.8	0.026	36.8	27.5	<0.005	0.8	0.8	19	<1	0.4	86	0.1	1.5	1.9	0.251
3567041	Drill Core	2.44	369	0.5	6.166	2.8	11.7	0.043	1.0	1.5	<0.005	<0.1	0.3	7	<1	0.7	49	0.2	0.9	8.6	0.104
3567042	Drill Core	2.59	347	0.5	4.911	2.3	10.4	0.036	1.1	1.5	<0.005	0.1	0.3	14	<1	0.7	39	0.2	1.0	7.2	0.089
3567043	Drill Core	2.02	298	0.7	4.973	2.3	7.7	0.033	0.9	1.1	<0.005	<0.1	0.3	12	<1	0.6	32	0.2	0.7	6.7	0.088
3567044	Drill Core	1.91	245	0.8	4.495	2.4	8.6	0.034	1.1	1.5	<0.005	0.2	0.3	9	<1	0.4	33	0.2	1.2	6.6	0.087
3567045	Drill Core	3.24	425	0.5	4.334	1.6	15.2	0.032	1.2	1.3	<0.005	0.3	0.2	19	<1	0.3	42	0.1	1.2	6.5	0.057
3567046	Drill Core	3.20	417	0.7	4.139	1.5	12.5	0.029	1.1	1.2	<0.005	0.4	0.3	24	<1	0.3	43	0.1	1.3	6.4	0.052
3567047	Drill Core	4.33	580	0.4	3.878	1.0	12.8	0.030	1.0	1.3	<0.005	0.2	0.2	48	<1	0.3	60	<0.1	2.5	6.0	0.036
3567048	Drill Core	2.66	374	0.8	6.637	1.7	24.0	0.048	1.4	1.6	<0.005	0.3	0.2	9	1	0.7	53	0.2	0.8	9.4	0.055
3567049	Drill Core	1.73	255	0.8	7.043	1.3	29.4	0.054	2.9	0.5	<0.005	0.4	0.2	7	2	3.1	47	0.1	<0.5	6.0	0.039
3567050	Silica	0.03	34	<0.1	8.546	0.1	0.6	<0.001	4.9	58.9	<0.005	<0.1	0.1	<1	2	0.2	30	<0.1	<0.5	0.2	<0.001
3567051	Drill Core	1.89	309	0.4	6.608	1.5	19.2	0.038	1.1	0.7	<0.005	0.2	0.2	5	2	0.3	53	0.2	<0.5	10.5	0.054
3567052	Drill Core	3.50	573	0.6	5.863	1.3	20.4	0.022	1.1	1.5	<0.005	0.1	0.1	12	1	0.3	63	0.1	1.7	8.7	0.046
3567053	Drill Core	2.75	408	0.9	6.378	2.2	28.6	0.035	1.2	1.6	<0.005	0.2	0.2	9	1	0.3	60	0.2	0.6	10.2	0.072
3567054	Drill Core	2.41	416	1.1	6.088	1.4	11.2	0.021	1.0	1.8	<0.005	<0.1	<0.1	7	1	0.2	63	0.1	0.9	7.8	0.049
3567055	Drill Core	2.49	360	0.5	6.868	1.5	13.2	0.052	1.0	1.3	<0.005	<0.1	0.1	8	<1	0.2	57	0.1	<0.5	8.0	0.054
3567056	Drill Core	1.20	184	0.5	6.264	1.0	13.9	0.048	1.0	2.0	<0.005	0.2	0.2	6	1	0.2	44	0.1	<0.5	6.0	0.039
3567057	Drill Core	1.44	235	0.7	7.272	1.6	13.4	0.041	1.1	1.6	<0.005	0.1	0.2	5	<1	0.3	53	0.1	<0.5	9.0	0.056
3567058	Drill Core	2.89	461	0.3	6.385	2.3	18.6	0.026	1.2	2.0	<0.005	0.1	0.2	9	2	0.5	64	0.2	<0.5	10.1	0.080
3567059	Drill Core	2.27	386	0.5	6.900	1.3	27.1	0.034	1.1	2.1	<0.005	0.3	0.2	6	<1	0.3	64	0.1	0.7	9.1	0.048
3567060	Rock Pulp	4.14	1225	2.6	2.000	3.3	120.6	0.045	16.5	13.9	<0.005	0.4	0.5	33	<1	0.5	107	0.2	0.8	1.2	0.588

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Project: SPJ
Report Date: January 29, 2020

CERTIFICATE OF ANALYSIS TIM19002910.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA550
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3567040	Rock Pulp	<0.5	0.5	135	12.4	10.2	76	47.7	12.0
3567041	Drill Core	<0.5	2.5	41	4.7	7.4	<1	114.5	
3567042	Drill Core	<0.5	2.2	43	3.7	8.6	<1	96.8	
3567043	Drill Core	<0.5	2.1	39	3.9	7.1	<1	90.7	
3567044	Drill Core	<0.5	2.3	38	3.2	6.9	<1	106.5	
3567045	Drill Core	<0.5	2.2	46	2.6	9.5	<1	88.3	
3567046	Drill Core	<0.5	2.2	43	2.6	8.8	<1	82.8	
3567047	Drill Core	<0.5	1.9	43	1.9	9.1	<1	76.8	
3567048	Drill Core	<0.5	2.5	32	3.1	6.8	4	102.8	
3567049	Drill Core	<0.5	1.1	27	1.8	4.6	1	93.2	
3567050	Silica	0.7	0.1	<1	<0.1	1.6	4	7.7	
3567051	Drill Core	<0.5	1.9	25	1.9	5.5	<1	118.4	
3567052	Drill Core	<0.5	2.2	33	1.3	8.0	<1	91.3	
3567053	Drill Core	<0.5	2.9	35	2.4	7.7	<1	108.6	
3567054	Drill Core	<0.5	2.1	29	2.2	6.2	<1	86.0	
3567055	Drill Core	<0.5	2.1	32	2.2	6.3	<1	96.7	
3567056	Drill Core	<0.5	1.4	34	1.4	4.4	<1	82.2	
3567057	Drill Core	<0.5	1.9	29	2.0	5.4	<1	108.9	
3567058	Drill Core	<0.5	2.3	59	2.9	7.8	1	117.5	
3567059	Drill Core	<0.5	1.8	34	2.1	7.3	<1	77.8	
3567060	Rock Pulp	<0.5	0.3	268	5.2	19.7	90	47.5	

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145 Wellington St. West, Suite 1001
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Project: SPJ
Report Date: January 29, 2020

QUALITY CONTROL REPORT TIM19002910.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
Pulp Duplicates																					
3569997	Drill Core	5.34	0.005	<0.1	7.25	3	19	<1	<0.1	4.40	<0.1	48	7.6	85	2.1	1.35	3.5	<0.05	0.25	22.2	1.1
REP 3569997	QC		0.006																		
3567001	Drill Core	5.17	0.005	<0.1	7.22	2	15	1	<0.1	2.79	<0.1	29	2.5	81	2.1	0.85	3.4	<0.05	0.24	13.2	1.5
REP 3567001	QC			<0.1	7.18	2	16	<1	<0.1	2.87	<0.1	28	2.4	80	2.4	0.88	3.4	<0.05	0.23	12.4	1.4
3567035	Drill Core	4.89	0.011	<0.1	6.06	11	11	<1	<0.1	4.80	<0.1	43	8.8	44	3.9	1.18	2.6	<0.05	0.14	20.7	1.2
REP 3567035	QC			<0.1	6.05	10	12	<1	<0.1	4.76	<0.1	42	9.5	43	3.9	1.17	2.8	<0.05	0.13	20.3	1.0
3567038	Drill Core	4.44	0.038	<0.1	5.21	19	10	<1	<0.1	4.56	<0.1	32	10.4	41	3.2	1.16	2.4	<0.05	0.12	15.1	0.9
REP 3567038	QC		0.034																		
Core Reject Duplicates																					
3569995	Drill Core	3.77	0.038	<0.1	6.78	6	70	1	<0.1	5.60	<0.1	34	33.6	72	4.0	2.56	3.2	<0.05	0.48	16.0	4.6
DUP 3569995	QC		0.041	<0.1	6.92	7	69	1	<0.1	5.64	<0.1	32	32.9	72	5.1	2.56	2.9	<0.05	0.49	15.2	4.9
3567029	Drill Core	4.78	<0.005	<0.1	7.04	2	19	1	<0.1	2.20	<0.1	23	1.0	76	2.8	0.68	3.4	<0.05	0.16	10.4	0.8
DUP 3567029	QC		<0.005	<0.1	7.09	3	19	<1	<0.1	2.23	<0.1	23	1.2	77	2.2	0.69	3.5	<0.05	0.17	10.3	1.0
Reference Materials																					
STD OREAS25A-4A	Standard			<0.1	8.53	10	147	<1	0.4	0.26	<0.1	45	8.4	124	37.0	6.76	4.4	0.09	0.45	20.2	34.2
STD OREAS25A-4A	Standard			<0.1	9.22	10	152	<1	0.3	0.29	<0.1	49	8.2	128	37.1	6.77	4.3	0.10	0.49	22.7	35.9
STD OREAS25A-4A	Standard			<0.1	9.07	9	142	1	0.3	0.29	<0.1	46	8.4	117	34.6	6.77	4.4	0.09	0.48	20.8	35.4
STD OREAS45E	Standard			0.3	6.80	16	254	<1	0.3	0.06	<0.1	20	60.4	990	804.5	24.60	2.7	0.08	0.31	8.9	5.8
STD OREAS45H	Standard			0.1	8.23	17	344	1	0.2	0.14	<0.1	24	93.8	668	820.2	20.51	3.1	0.09	0.19	13.0	11.9
STD OREAS45E	Standard			0.3	7.16	17	237	<1	0.2	0.06	<0.1	23	64.8	998	820.2	25.04	3.0	0.10	0.36	11.0	6.4
STD OXC145	Standard		0.216																		
STD OXC145	Standard		0.210																		
STD OXH139	Standard		1.303																		
STD OXH139	Standard		1.316																		
STD OXN134	Standard		7.433																		
STD OXP116	Standard																				
STD OXQ90	Standard																				
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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

QUALITY CONTROL REPORT TIM19002910.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
Pulp Duplicates																					
3569997	Drill Core	2.03	435	0.9	6.588	4.9	12.8	0.037	1.0	1.4	<0.005	<0.1	0.4	5	<1	1.4	46	0.4	1.0	11.1	0.202
REP 3569997	QC																				
3567001	Drill Core	1.49	272	0.4	7.099	4.5	7.9	0.008	0.8	1.1	<0.005	<0.1	0.5	3	<1	1.2	35	0.3	<0.5	8.5	0.187
REP 3567001	QC	1.50	279	0.3	7.747	4.3	7.8	0.009	0.8	1.0	<0.005	<0.1	0.5	3	<1	1.2	36	0.4	0.6	8.2	0.172
3567035	Drill Core	2.38	341	0.7	5.208	2.3	9.9	0.035	0.9	1.2	<0.005	<0.1	0.3	15	<1	0.5	41	0.2	0.5	8.1	0.096
REP 3567035	QC	2.38	337	0.8	5.204	2.2	9.7	0.035	0.9	1.4	<0.005	0.1	0.2	15	<1	0.5	41	0.2	1.2	7.7	0.090
3567038	Drill Core	2.35	309	0.4	4.390	1.5	10.8	0.038	1.0	1.1	<0.005	0.2	0.2	16	<1	0.3	36	0.1	1.1	6.8	0.058
REP 3567038	QC																				
Core Reject Duplicates																					
3569995	Drill Core	3.18	577	0.6	5.378	2.6	48.9	0.029	1.1	25.0	<0.005	0.3	0.4	11	<1	0.7	60	0.2	1.5	10.2	0.136
DUP 3569995	QC	3.23	579	0.6	5.419	2.6	48.9	0.025	1.0	24.8	<0.005	0.3	0.3	11	<1	0.8	59	0.2	1.2	8.8	0.140
3567029	Drill Core	1.10	190	0.5	7.641	3.7	6.8	0.023	0.8	0.9	<0.005	<0.1	0.3	6	<1	0.9	36	0.3	<0.5	7.5	0.170
DUP 3567029	QC	1.10	189	0.7	7.618	3.8	6.1	0.026	0.9	0.9	<0.005	<0.1	0.3	6	<1	1.1	36	0.3	<0.5	7.4	0.181
Reference Materials																					
STD OREAS25A-4A	Standard	0.30	482	2.5	0.118	20.7	51.6	0.045	24.7	57.0	<0.005	<0.1	0.6	12	2	3.8	46	1.5	<0.5	14.9	0.913
STD OREAS25A-4A	Standard	0.32	505	2.5	0.122	20.6	49.9	0.047	24.4	59.9	<0.005	<0.1	0.6	13	1	3.6	47	1.5	<0.5	15.8	0.962
STD OREAS25A-4A	Standard	0.34	511	2.2	0.138	19.8	45.2	0.048	29.9	57.5	<0.005	<0.1	0.6	13	3	3.9	47	1.4	<0.5	15.8	0.949
STD OREAS45E	Standard	0.14	566	2.5	0.048	6.0	475.8	0.030	18.1	20.6	<0.005	<0.1	1.0	85	<1	1.1	16	0.5	<0.5	12.5	0.514
STD OREAS45H	Standard	0.23	414	1.6	0.104	13.7	461.9	0.020	12.0	22.4	<0.005	<0.1	0.6	55	<1	1.7	28	0.9	<0.5	7.5	0.905
STD OREAS45E	Standard	0.17	579	2.6	0.069	5.8	493.5	0.033	18.5	20.8	<0.005	<0.1	1.0	96	3	1.1	16	0.5	<0.5	14.6	0.544
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXN134	Standard																				
STD OXP116	Standard																				
STD OXQ90	Standard																				
STD OXQ90	Standard																				

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

QUALITY CONTROL REPORT TIM19002910.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA550
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
Pulp Duplicates									
3569997	Drill Core	<0.5	2.4	74	7.6	8.9	<1	118.4	
REP 3569997	QC								
3567001	Drill Core	<0.5	1.6	61	5.1	6.2	2	119.1	
REP 3567001	QC	<0.5	1.2	60	4.8	6.1	<1	124.9	
3567035	Drill Core	<0.5	2.2	41	3.6	8.3	<1	98.0	
REP 3567035	QC	<0.5	2.3	41	3.8	8.3	<1	97.0	
3567038	Drill Core	<0.5	2.2	33	3.3	7.2	<1	83.3	
REP 3567038	QC								
Core Reject Duplicates									
3569995	Drill Core	<0.5	2.4	90	3.8	10.6	1	108.3	
DUP 3569995	QC	<0.5	2.3	90	3.3	10.5	1	104.3	
3567029	Drill Core	<0.5	0.9	65	1.8	6.7	<1	126.3	
DUP 3567029	QC	<0.5	0.8	65	2.0	6.8	<1	128.6	
Reference Materials									
STD OREAS25A-4A	Standard	<0.5	3.0	160	2.1	10.0	44	155.5	
STD OREAS25A-4A	Standard	<0.5	2.9	160	2.0	11.1	42	155.6	
STD OREAS25A-4A	Standard	<0.5	2.8	162	1.7	10.1	39	146.1	
STD OREAS45E	Standard	<0.5	2.5	320	1.0	7.2	47	94.4	
STD OREAS45H	Standard	<0.5	1.7	282	0.9	9.8	39	121.4	
STD OREAS45E	Standard	<0.5	2.5	330	1.0	7.9	50	91.5	
STD OXC145	Standard								
STD OXC145	Standard								
STD OXH139	Standard								
STD OXH139	Standard								
STD OXN134	Standard								
STD OXP116	Standard								14.8
STD OXQ90	Standard								23.3
STD OXQ90	Standard								23.9

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

QUALITY CONTROL REPORT TIM19002910.1

		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
STD OREAS45H Expected				0.147	7.99	16.9	332	1.09	0.17	0.135		23.6	88	602	767	19.52	3.6	0.1	0.205	12.4	13.1
STD OXC145 Expected			0.212																		
STD OXN134 Expected			7.667																		
STD OXH139 Expected			1.312																		
STD OREAS25A-4A Expected					8.87	9.94	147	0.93	0.37	0.301		47.3	7.7	115	33.9	6.6	4.14	0.09	0.482	21.8	36.7
STD OREAS45E Expected				0.311	6.78	16.3	252		0.28	0.065	0.06	23.5	57	979	780	24.12	3.11	0.099	0.324	11	6.58
STD OXP116 Expected																					
STD OXQ90 Expected																					
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	0.2
BLK	Blank			<0.1	<0.01	1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank																				
Prep Wash																					
ROCK-TIM	Prep Blank		<0.005	<0.1	6.80	2	746	1	<0.1	1.50	<0.1	24	4.9	3	5.8	2.29	1.7	<0.05	1.43	11.8	1.8
ROCK-TIM	Prep Blank		<0.005	<0.1	6.68	3	757	1	<0.1	1.51	<0.1	23	5.0	4	5.7	2.27	1.7	<0.05	1.47	10.6	2.1

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Client: **MacDonald Mines Exploration Ltd.**
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Toronto Ontario M5J 1H8 Canada

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QUALITY CONTROL REPORT TIM19002910.1

		MA200 Mg % 0.01	MA200 Mn ppm 1	MA200 Mo ppm 0.1	MA200 Na % 0.001	MA200 Nb ppm 0.1	MA200 Ni ppm 0.1	MA200 P % 0.001	MA200 Pb ppm 0.1	MA200 Rb ppm 0.1	MA200 Re ppm 0.005	MA200 S % 0.1	MA200 Sb ppm 0.1	MA200 Sc ppm 1	MA200 Se ppm 1	MA200 Sn ppm 0.1	MA200 Sr ppm 1	MA200 Ta ppm 0.1	MA200 Te ppm 0.5	MA200 Th ppm 0.1	MA200 Ti % 0.001
STD OREAS45H Expected		0.238	380	1.55	0.09	14.8	423	0.023	11.9	22.5			0.63	57	2.02	1.93	27.1	1.08		7.26	0.878
STD OXC145 Expected																					
STD OXN134 Expected																					
STD OXH139 Expected																					
STD OREAS25A-4A Expected		0.327	480	2.41	0.131	20.9	45.8	0.048	25.2	61		0.047	0.65	13.7	2.4	4.06	48.5	1.4		15.8	0.93
STD OREAS45E Expected		0.156	570	2.4	0.059	6.8	454	0.034	18.2	21.2		0.046	1	93	2.97	1.32	15.9	0.54	0.1	12.9	0.559
STD OXP116 Expected																					
STD OXQ90 Expected																					
BLK	Blank	<0.01	<1	<0.1	0.002	<0.1	<0.1	<0.001	<0.1	0.2	<0.005	<0.1	<0.1	<1	1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	<0.001	<0.1	<0.1	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<1	<0.1	0.001	<0.1	0.1	<0.001	<0.1	0.1	<0.005	<0.1	<0.1	<1	1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank																				
Prep Wash																					
ROCK-TIM	Prep Blank	0.64	723	1.0	3.613	5.7	1.7	0.040	2.3	27.1	<0.005	<0.1	<0.1	7	<1	0.7	205	0.4	<0.5	2.9	0.220
ROCK-TIM	Prep Blank	0.63	723	0.7	3.615	5.5	2.0	0.040	2.3	26.0	<0.005	<0.1	0.1	7	<1	0.7	204	0.4	<0.5	2.5	0.221

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QUALITY CONTROL REPORT TIM19002910.1

		MA200 Tl ppm 0.5	MA200 U ppm 0.1	MA200 V ppm 1	MA200 W ppm 0.1	MA200 Y ppm 0.1	MA200 Zn ppm 1	MA200 Zr ppm 0.1	FA550 Au gm/t 0.9
STD OREAS45H Expected			1.68	263	0.99	10.4	39.7	131	
STD OXC145 Expected									
STD OXN134 Expected									
STD OXH139 Expected									
STD OREAS25A-4A Expected		0.35	2.94	157	2	10.5	44.4	155	
STD OREAS45E Expected		0.15	2.41	322	1.07	8.28	46.7	97	
STD OXP116 Expected									14.92
STD OXQ90 Expected									24.88
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1	
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	0.1	
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	1	<0.1	
BLK	Blank								<0.9
Prep Wash									
ROCK-TIM	Prep Blank	<0.5	1.2	42	0.3	16.1	38	50.1	
ROCK-TIM	Prep Blank	<0.5	1.1	42	0.3	15.7	36	50.5	

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By:	Quentin Yarie
Receiving Lab:	Canada-Timmins
Received:	December 17, 2019
Analysis Start:	January 20, 2020
Report Date:	January 31, 2020
Page:	1 of 4

CERTIFICATE OF ANALYSIS TIM19002911.1

CLIENT JOB INFORMATION

Project:	SPJ
Shipment ID:	
P.O. Number	
Number of Samples:	81

SAMPLE DISPOSAL

RTRN-PLP	Return After 90 days
RTRN-RJT	Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP85-500	77	Crush split and pulverize 250g of sample to 200mesh			TIM
SHP01	81	Per sample shipping charges for branch shipments			TIM
SLBHP	4	Sort, label and box pulps			TIM
FA450	81	50g Lead Collection Fire Assay Fusion - AAS Finish	50	Completed	TIM
EN002	81	Environmental disposal charge-Fire assay lead waste			TIM
MA200	81	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
EN001-MA	81	Environmental disposal fee - Multi-acid neutralization			VAN
FA550	1	Lead collection fire assay 50G fusion - Grav finish	50	Completed	TIM

ADDITIONAL COMMENTS

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
Marcus Lau
MARCUS LAU
Production Manager

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All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 31, 2020

CERTIFICATE OF ANALYSIS TIM19002911.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3570061	Drill Core	4.33	0.011	<0.1	7.40	12	36	2	<0.1	2.59	<0.1	51	16.4	48	7.6	0.97	3.6	<0.05	0.19	23.4	2.8
3570062	Drill Core	5.12	0.029	<0.1	7.43	8	35	1	<0.1	2.27	<0.1	35	7.2	23	4.8	0.69	2.6	<0.05	0.23	16.2	1.0
3570063	Drill Core	3.53	0.011	<0.1	5.66	3	19	1	<0.1	1.27	<0.1	55	2.3	28	2.8	0.52	2.6	<0.05	0.13	25.7	1.3
3570064	Drill Core	4.09	0.010	<0.1	6.87	7	17	<1	<0.1	3.54	<0.1	41	10.2	60	4.4	1.01	2.6	<0.05	0.15	19.9	1.0
3570065	Drill Core	3.06	0.005	<0.1	6.84	6	45	<1	<0.1	2.30	<0.1	39	13.7	32	2.5	1.16	1.8	<0.05	0.28	17.9	4.0
3570066	Drill Core	4.20	0.006	<0.1	6.22	5	41	1	<0.1	1.19	<0.1	21	4.7	52	2.7	0.77	2.7	<0.05	0.30	9.5	5.0
3570067	Drill Core	3.92	0.032	<0.1	4.47	14	10	<1	<0.1	5.94	<0.1	30	5.8	42	2.4	1.43	1.7	<0.05	0.12	14.7	1.1
3570068	Drill Core	3.77	0.104	<0.1	4.05	42	8	<1	<0.1	5.23	<0.1	28	13.8	36	2.8	1.47	1.3	<0.05	0.11	13.6	1.0
3570069	Drill Core	3.79	0.033	<0.1	5.48	13	13	<1	<0.1	4.05	<0.1	45	4.7	33	1.9	0.93	2.4	<0.05	0.12	22.4	1.4
3570070	Drill Core	4.09	0.024	<0.1	5.56	19	13	<1	<0.1	3.22	<0.1	30	14.2	31	3.3	0.98	2.2	<0.05	0.13	14.9	1.5
3570071	Drill Core	3.88	0.220	<0.1	7.10	23	16	<1	<0.1	1.16	<0.1	25	20.8	16	4.0	0.69	2.6	<0.05	0.13	11.3	0.6
3570072	Drill Core	4.11	0.182	<0.1	8.12	14	13	<1	<0.1	3.02	<0.1	21	15.8	49	3.4	0.93	3.2	<0.05	0.13	9.7	1.0
3570073	Drill Core	5.13	0.100	<0.1	7.43	29	13	<1	<0.1	3.73	<0.1	28	35.9	45	5.0	1.37	3.0	<0.05	0.12	12.4	0.8
3570074	Drill Core	2.53	0.494	<0.1	7.44	56	16	1	0.1	3.37	<0.1	182	92.9	53	18.4	2.10	2.8	<0.05	0.13	88.0	1.1
3570075	Silica	0.21	<0.005	<0.1	9.30	1	17	<1	<0.1	0.16	<0.1	1	<0.2	1	0.1	0.19	0.2	<0.05	4.29	0.5	22.5
3570076	Drill Core	3.28	2.160	<0.1	7.03	185	13	1	1.1	3.62	<0.1	53	279.9	63	29.9	4.18	2.9	<0.05	0.17	24.6	2.0
3570077	Drill Core	3.82	0.497	<0.1	7.46	37	19	1	<0.1	5.24	<0.1	40	62.2	38	8.2	2.10	2.1	<0.05	0.18	19.8	1.6
3570078	Drill Core	4.35	0.896	<0.1	6.71	74	12	<1	<0.1	3.50	<0.1	92	69.1	78	45.0	2.16	2.5	<0.05	0.13	45.5	2.8
3570079	Drill Core	4.02	0.163	<0.1	5.92	38	10	<1	<0.1	1.57	0.4	41	19.8	38	2.4	0.91	2.0	<0.05	0.09	20.3	1.0
3570080	Rock Pulp	0.07	1.579	0.3	7.35	734	334	<1	<0.1	5.82	<0.1	36	43.6	206	80.7	8.58	3.5	0.06	0.73	19.5	9.4
3570081	Drill Core	3.43	0.182	<0.1	5.22	37	15	<1	<0.1	0.42	<0.1	37	16.6	25	2.1	0.70	1.5	<0.05	0.10	18.6	0.9
3570082	Drill Core	4.36	0.155	<0.1	5.34	15	15	<1	<0.1	0.63	<0.1	30	12.8	16	2.3	0.56	1.5	<0.05	0.08	14.9	0.6
3570083	Drill Core	4.35	0.035	<0.1	6.51	12	15	<1	<0.1	3.17	<0.1	39	11.2	31	2.5	1.00	1.8	<0.05	0.10	18.4	0.7
3570084	Drill Core	3.63	0.006	<0.1	7.04	3	18	2	<0.1	3.77	<0.1	46	3.8	33	2.8	1.01	2.7	<0.05	0.11	22.9	1.2
3570085	Drill Core	3.83	<0.005	<0.1	7.36	4	22	<1	<0.1	4.14	<0.1	55	5.2	24	3.0	1.21	2.0	<0.05	0.12	27.7	1.3
3570086	Drill Core	4.18	0.010	<0.1	7.63	10	17	<1	<0.1	4.64	<0.1	101	23.6	19	2.9	1.44	1.5	<0.05	0.10	53.6	1.0
3570087	Drill Core	4.13	0.049	<0.1	7.57	22	15	2	0.1	4.57	<0.1	113	44.6	29	17.0	1.80	2.5	<0.05	0.11	56.6	2.0
3570088	Drill Core	4.77	0.017	<0.1	7.60	6	17	<1	<0.1	3.60	<0.1	35	10.4	16	2.6	1.09	1.9	<0.05	0.11	16.3	0.7
3570089	Drill Core	3.46	0.017	<0.1	7.46	19	17	2	<0.1	3.25	<0.1	53	31.4	52	15.5	1.33	3.1	<0.05	0.13	23.8	3.1
3570090	Drill Core	4.05	0.024	<0.1	7.23	10	20	3	<0.1	1.14	<0.1	48	10.5	57	12.6	0.82	3.2	<0.05	0.14	22.2	3.5

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 31, 2020

CERTIFICATE OF ANALYSIS TIM19002911.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3570061	Drill Core	1.43	184	0.4	6.940	1.8	28.9	0.040	5.3	2.8	<0.005	0.1	0.2	7	<1	7.2	72	0.2	<0.5	8.8	0.071
3570062	Drill Core	1.08	142	0.8	6.892	0.9	12.6	0.056	2.7	3.0	<0.005	<0.1	0.2	4	<1	2.9	61	<0.1	<0.5	7.2	0.038
3570063	Drill Core	0.64	105	0.6	5.833	1.0	6.2	0.028	1.1	0.6	<0.005	<0.1	0.1	3	<1	0.3	39	0.1	<0.5	6.1	0.044
3570064	Drill Core	1.71	271	0.3	6.424	1.1	9.8	0.047	0.9	1.2	<0.005	<0.1	0.2	5	<1	0.5	50	0.1	<0.5	6.7	0.044
3570065	Drill Core	1.52	221	0.4	5.803	0.9	19.7	0.033	1.1	6.5	<0.005	0.2	0.2	5	<1	0.2	85	<0.1	<0.5	5.0	0.039
3570066	Drill Core	1.05	93	1.2	6.071	1.4	22.8	0.040	0.9	5.1	<0.005	<0.1	0.1	6	<1	0.3	58	0.1	<0.5	6.2	0.065
3570067	Drill Core	3.09	389	0.3	3.717	0.8	9.6	0.030	0.8	1.2	<0.005	0.2	0.1	37	<1	0.2	41	<0.1	1.4	4.8	0.026
3570068	Drill Core	2.75	297	0.7	3.326	0.6	19.3	0.028	0.9	1.0	<0.005	0.6	0.1	11	1	<0.1	36	<0.1	0.8	4.2	0.020
3570069	Drill Core	2.08	257	0.4	4.601	1.4	9.9	0.034	0.9	1.2	<0.005	0.1	0.2	6	2	0.2	38	0.1	0.7	7.0	0.051
3570070	Drill Core	1.65	229	0.4	4.667	1.3	13.6	0.033	0.9	1.6	<0.005	0.2	0.2	7	2	0.1	41	0.1	<0.5	6.1	0.052
3570071	Drill Core	0.54	105	0.5	7.341	1.5	18.6	0.053	1.2	0.6	<0.005	0.3	0.1	1	1	0.2	39	0.1	<0.5	5.9	0.059
3570072	Drill Core	1.44	229	0.6	7.849	1.4	16.3	0.044	1.0	0.7	<0.005	0.2	0.1	3	<1	0.2	43	0.1	<0.5	6.8	0.050
3570073	Drill Core	1.83	279	0.5	7.462	1.5	25.9	0.045	1.1	0.5	<0.005	0.5	0.2	4	<1	0.4	50	0.1	0.8	5.4	0.054
3570074	Drill Core	1.67	259	0.8	7.162	0.9	58.6	0.054	1.6	0.7	<0.005	1.4	0.4	6	2	0.1	52	<0.1	<0.5	6.6	0.031
3570075	Silica	0.02	36	1.7	8.656	<0.1	0.5	0.001	4.8	59.4	<0.005	<0.1	<0.1	<1	1	<0.1	29	<0.1	<0.5	0.2	<0.001
3570076	Drill Core	1.58	246	0.6	6.498	0.9	148.1	0.306	3.5	0.6	<0.005	3.9	1.0	6	5	0.1	54	<0.1	0.8	7.6	0.031
3570077	Drill Core	2.60	430	0.5	6.478	0.7	48.2	0.029	1.3	1.8	<0.005	0.9	0.4	8	2	<0.1	70	<0.1	1.1	4.5	0.026
3570078	Drill Core	1.89	329	0.6	5.904	0.9	59.0	0.031	7.0	1.0	<0.005	1.2	0.5	8	1	<0.1	45	<0.1	0.6	4.6	0.030
3570079	Drill Core	0.76	124	0.7	5.284	0.7	16.7	0.036	1.0	0.8	<0.005	0.4	0.1	4	1	<0.1	31	<0.1	<0.5	4.8	0.025
3570080	Rock Pulp	4.11	1964	2.4	2.177	18.1	140.5	0.174	4.9	20.6	<0.005	0.8	2.3	19	1	1.5	364	1.1	0.7	3.5	0.957
3570081	Drill Core	0.23	45	0.5	4.764	0.6	19.4	0.029	0.9	1.3	<0.005	0.5	0.2	1	1	<0.1	30	<0.1	<0.5	4.4	0.023
3570082	Drill Core	0.31	54	0.4	4.541	0.6	11.0	0.031	1.0	1.2	<0.005	0.2	0.2	1	<1	0.1	28	<0.1	<0.5	3.8	0.018
3570083	Drill Core	1.49	251	0.6	5.817	0.7	12.9	0.045	1.1	0.8	0.007	0.1	0.3	4	1	0.1	52	<0.1	<0.5	4.6	0.023
3570084	Drill Core	1.84	292	0.7	6.711	1.5	7.4	0.034	1.4	0.6	<0.005	<0.1	0.2	6	<1	0.3	59	0.2	0.7	6.7	0.046
3570085	Drill Core	2.11	357	0.7	6.519	1.1	9.6	0.010	2.9	1.4	<0.005	<0.1	0.2	6	1	0.4	70	0.1	0.7	4.9	0.039
3570086	Drill Core	2.26	406	0.4	6.770	0.7	21.9	0.011	2.1	1.2	<0.005	0.3	0.2	5	2	<0.1	66	<0.1	<0.5	5.6	0.020
3570087	Drill Core	2.29	417	0.9	6.618	1.1	39.2	0.010	3.9	1.2	<0.005	0.5	0.3	6	2	<0.1	68	<0.1	<0.5	6.4	0.038
3570088	Drill Core	1.70	300	0.8	7.283	0.7	11.1	0.019	1.3	0.5	<0.005	0.1	0.1	4	<1	<0.1	60	<0.1	<0.5	4.1	0.025
3570089	Drill Core	1.82	302	1.5	7.017	1.6	32.0	0.045	1.7	1.1	<0.005	0.2	0.2	8	<1	0.3	77	0.2	<0.5	6.6	0.070
3570090	Drill Core	0.93	123	1.2	6.786	1.7	27.9	0.042	1.6	1.5	<0.005	<0.1	0.2	6	<1	0.2	66	0.2	<0.5	7.2	0.084

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Project: SPJ
Report Date: January 31, 2020

CERTIFICATE OF ANALYSIS TIM19002911.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA550
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3570061	Drill Core	<0.5	2.3	49	1.3	7.4	1	126.0	
3570062	Drill Core	<0.5	1.6	24	1.1	4.7	<1	89.8	
3570063	Drill Core	<0.5	0.9	22	1.0	4.0	<1	96.2	
3570064	Drill Core	<0.5	1.2	37	1.8	5.0	1	86.8	
3570065	Drill Core	<0.5	1.5	30	1.2	4.5	<1	63.5	
3570066	Drill Core	<0.5	1.2	48	0.7	4.6	1	98.3	
3570067	Drill Core	<0.5	1.9	33	1.4	7.4	<1	62.2	
3570068	Drill Core	<0.5	1.2	36	1.0	5.8	<1	52.0	
3570069	Drill Core	<0.5	1.9	33	2.2	6.0	<1	76.9	
3570070	Drill Core	<0.5	1.8	26	2.3	5.5	<1	74.2	
3570071	Drill Core	<0.5	2.0	13	1.8	3.9	<1	90.0	
3570072	Drill Core	<0.5	1.8	27	2.0	4.9	<1	107.8	
3570073	Drill Core	<0.5	1.0	27	3.2	4.4	<1	92.1	
3570074	Drill Core	<0.5	1.2	31	1.4	7.2	1	90.5	
3570075	Silica	0.7	<0.1	<1	<0.1	1.5	2	9.6	
3570076	Drill Core	<0.5	1.7	44	1.4	14.6	<1	101.3	
3570077	Drill Core	<0.5	1.2	29	1.2	5.8	<1	66.5	
3570078	Drill Core	<0.5	0.9	57	1.3	6.3	6	77.9	
3570079	Drill Core	<0.5	1.1	19	1.0	3.7	<1	67.6	
3570080	Rock Pulp	<0.5	1.0	170	1.3	21.5	110	120.7	
3570081	Drill Core	<0.5	1.2	15	1.0	3.2	<1	53.8	
3570082	Drill Core	<0.5	1.0	14	0.9	3.1	<1	53.7	
3570083	Drill Core	<0.5	0.9	19	0.9	4.4	<1	59.4	
3570084	Drill Core	<0.5	1.2	25	1.6	5.3	<1	91.7	
3570085	Drill Core	<0.5	1.3	25	1.3	5.4	<1	59.3	
3570086	Drill Core	<0.5	0.9	17	0.8	5.0	<1	50.5	
3570087	Drill Core	<0.5	1.6	31	1.5	8.3	1	83.5	
3570088	Drill Core	<0.5	0.9	16	0.8	3.8	<1	63.4	
3570089	Drill Core	<0.5	1.9	47	1.5	8.6	<1	102.6	
3570090	Drill Core	<0.5	2.6	48	0.9	7.2	<1	105.4	

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Project: SPJ
Report Date: January 31, 2020

CERTIFICATE OF ANALYSIS TIM19002911.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3570091	Drill Core	4.14	0.046	<0.1	7.36	10	16	<1	<0.1	3.88	<0.1	45	20.5	22	13.1	1.25	2.0	<0.05	0.14	20.8	0.9
3570092	Drill Core	3.31	0.008	<0.1	7.72	6	19	<1	<0.1	4.24	0.1	23	10.2	16	6.5	1.28	1.8	<0.05	0.20	10.7	1.2
3570093	Drill Core	3.67	0.037	<0.1	7.89	7	19	1	<0.1	3.14	<0.1	43	15.1	17	5.5	1.00	2.1	<0.05	0.22	20.3	0.8
3570094	Drill Core	3.81	<0.005	<0.1	4.90	3	48	<1	<0.1	0.53	<0.1	21	1.7	13	4.9	0.70	1.1	<0.05	0.24	9.6	4.2
3570095	Drill Core	5.49	0.106	<0.1	6.67	65	20	<1	0.1	3.29	<0.1	54	116.6	19	23.4	1.80	2.1	<0.05	0.15	25.6	1.5
3570096	Drill Core	3.54	<0.005	<0.1	7.67	2	18	<1	<0.1	3.46	<0.1	34	2.1	8	2.4	0.96	1.4	<0.05	0.16	16.3	0.5
3570097	Drill Core	4.62	0.127	<0.1	6.62	66	16	<1	<0.1	6.19	<0.1	187	98.6	28	8.3	2.22	1.8	<0.05	0.15	100.0	1.3
3570098	Silica	0.21	<0.005	<0.1	10.46	<1	17	<1	<0.1	0.19	<0.1	2	<0.2	<1	0.3	0.21	0.2	<0.05	4.38	0.7	22.1
3570099	Drill Core	3.28	0.055	<0.1	7.18	26	61	<1	<0.1	1.82	<0.1	57	36.3	36	3.5	0.84	2.5	<0.05	0.27	26.3	2.7
3570100	Rock Pulp	0.07	0.517	0.2	7.22	4	142	<1	<0.1	6.91	<0.1	10	45.7	170	143.8	7.88	1.5	0.07	0.20	3.8	11.7
3570101	Drill Core	4.88	0.015	<0.1	7.17	7	22	<1	<0.1	4.59	<0.1	45	11.1	22	4.3	1.26	1.9	<0.05	0.18	22.4	1.3
3570102	Drill Core	4.19	0.027	<0.1	7.49	7	17	1	<0.1	5.54	<0.1	47	12.4	26	3.4	1.46	2.7	<0.05	0.19	23.4	1.1
3570103	Drill Core	4.20	0.133	<0.1	7.21	12	18	1	<0.1	5.52	<0.1	42	23.6	19	2.1	1.56	1.8	<0.05	0.13	21.3	0.6
3570104	Drill Core	4.01	0.048	<0.1	7.05	7	19	<1	<0.1	6.36	<0.1	44	14.7	20	2.0	1.71	1.4	<0.05	0.13	21.4	1.2
3570105	Drill Core	4.05	0.132	<0.1	6.99	5	16	<1	<0.1	6.11	<0.1	54	20.2	17	1.9	1.63	1.7	<0.05	0.14	27.7	1.1
3570106	Drill Core	4.66	0.069	<0.1	7.77	7	17	<1	<0.1	4.27	<0.1	46	26.8	14	1.2	1.26	1.8	<0.05	0.13	20.7	0.7
3570107	Drill Core	3.79	0.020	<0.1	7.22	5	22	<1	<0.1	5.27	<0.1	45	17.9	16	1.4	1.42	2.1	<0.05	0.14	22.0	1.0
3570108	Drill Core	4.43	0.056	<0.1	7.36	9	20	<1	<0.1	4.23	<0.1	46	29.1	16	2.3	1.37	1.8	<0.05	0.13	22.7	0.6
3570109	Drill Core	4.16	0.312	<0.1	6.86	27	25	<1	<0.1	3.74	<0.1	45	39.1	29	8.0	1.35	2.0	<0.05	0.16	20.8	1.5
3570110	Drill Core	4.09	0.339	<0.1	6.44	53	13	<1	<0.1	4.53	<0.1	54	39.0	62	6.2	1.67	3.2	<0.05	0.14	25.1	1.2
3570111	Drill Core	4.14	0.211	<0.1	6.41	42	20	<1	<0.1	7.10	<0.1	41	62.2	44	6.5	2.16	2.6	<0.05	0.15	18.5	1.2
3570112	Drill Core	3.79	0.042	<0.1	6.11	17	48	1	<0.1	5.13	<0.1	104	59.5	32	3.3	2.15	1.8	<0.05	0.18	48.9	3.2
3570113	Drill Core	3.69	<0.005	<0.1	6.25	5	87	1	<0.1	4.94	<0.1	38	9.1	42	1.5	1.62	2.5	<0.05	0.26	18.6	4.3
3570114	Drill Core	3.31	0.005	<0.1	6.15	2	24	2	<0.1	6.87	<0.1	15	7.8	28	1.8	1.93	2.3	<0.05	0.16	6.8	1.5
3570115	Drill Core	4.59	0.034	<0.1	4.94	12	24	1	<0.1	8.21	<0.1	115	56.4	30	3.0	2.73	1.3	<0.05	0.15	54.8	1.4
3570116	Drill Core	3.39	0.138	<0.1	7.45	17	19	1	<0.1	4.62	<0.1	51	66.4	18	2.2	1.46	1.8	<0.05	0.19	24.6	0.9
3570117	Drill Core	3.85	<0.005	<0.1	6.35	2	49	2	<0.1	0.51	<0.1	7	2.1	34	1.2	0.78	1.7	<0.05	0.28	2.8	6.1
3570118	Drill Core	3.92	0.042	<0.1	6.22	36	20	3	0.5	7.12	<0.1	80	146.9	22	4.0	2.78	1.6	<0.05	0.15	37.6	1.0
3570119	Drill Core	4.24	0.177	<0.1	5.16	211	13	<1	0.6	6.19	<0.1	127	755.2	13	12.5	7.41	1.5	0.07	0.12	62.3	1.2
3570120	Rock Pulp	0.07	>10	2.2	5.66	68	244	1	0.7	4.10	0.2	12	36.4	509	120.8	4.71	1.4	0.05	0.76	6.3	33.1

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BUREAU VERITAS MINERAL LABORATORIES Canada

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Bureau Veritas Commodities Canada Ltd.

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 31, 2020

CERTIFICATE OF ANALYSIS TIM19002911.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3570091	Drill Core	1.87	331	1.3	6.941	1.0	17.9	0.028	1.5	0.6	<0.005	0.2	0.2	4	<1	<0.1	60	<0.1	<0.5	4.6	0.034
3570092	Drill Core	2.12	362	1.3	7.094	0.8	11.2	0.029	1.1	1.0	<0.005	0.1	0.1	5	<1	0.2	66	<0.1	<0.5	3.5	0.028
3570093	Drill Core	1.55	266	0.7	7.282	0.9	12.9	0.025	1.9	1.0	<0.005	0.1	0.2	4	<1	<0.1	61	<0.1	<0.5	5.6	0.032
3570094	Drill Core	0.72	60	0.3	4.653	0.4	11.3	0.019	1.1	1.5	<0.005	<0.1	<0.1	2	<1	<0.1	74	<0.1	<0.5	2.0	0.016
3570095	Drill Core	1.67	313	1.1	6.222	0.7	76.3	0.018	3.1	0.8	<0.005	0.9	0.4	4	<1	<0.1	59	<0.1	<0.5	3.9	0.025
3570096	Drill Core	1.63	310	0.4	7.229	0.4	6.5	0.026	2.2	0.7	<0.005	<0.1	<0.1	3	<1	1.7	62	<0.1	<0.5	3.6	0.014
3570097	Drill Core	3.10	606	0.8	5.729	0.4	77.6	0.034	2.9	1.4	<0.005	0.6	0.3	9	2	1.8	73	<0.1	<0.5	7.7	0.014
3570098	Silica	0.03	33	0.1	8.554	<0.1	0.6	0.001	4.7	61.0	<0.005	<0.1	0.1	<1	<1	<0.1	31	<0.1	<0.5	0.1	<0.001
3570099	Drill Core	1.01	146	1.2	6.525	1.3	19.5	0.037	2.0	3.9	<0.005	0.2	0.2	6	1	0.2	75	0.1	<0.5	6.0	0.048
3570100	Rock Pulp	4.35	1426	0.7	2.353	3.5	96.5	0.038	3.0	3.7	<0.005	0.1	0.5	40	<1	0.4	114	0.2	0.8	0.5	0.676
3570101	Drill Core	2.24	383	0.8	6.202	0.9	13.2	0.033	1.3	2.2	<0.005	<0.1	0.1	5	1	0.2	69	<0.1	0.6	6.1	0.029
3570102	Drill Core	2.74	480	0.4	6.518	1.2	12.8	0.055	1.5	1.5	<0.005	<0.1	<0.1	8	1	<0.1	70	0.1	1.1	8.0	0.035
3570103	Drill Core	2.77	459	0.9	6.312	0.5	18.6	0.038	1.1	1.3	<0.005	0.2	<0.1	7	<1	<0.1	72	<0.1	1.0	4.8	0.016
3570104	Drill Core	3.19	520	0.6	6.265	0.5	17.2	0.035	1.1	1.6	<0.005	0.1	<0.1	9	<1	<0.1	80	<0.1	0.9	4.3	0.013
3570105	Drill Core	3.00	474	1.0	6.135	0.8	22.2	0.037	1.1	1.8	<0.005	0.1	0.2	7	<1	<0.1	77	<0.1	1.1	5.1	0.020
3570106	Drill Core	2.06	340	1.6	7.312	0.8	19.7	0.036	1.0	0.8	<0.005	0.2	0.1	5	<1	<0.1	66	<0.1	<0.5	4.2	0.025
3570107	Drill Core	2.58	412	1.0	6.347	0.8	16.3	0.039	1.1	1.8	<0.005	0.1	0.1	7	<1	<0.1	80	<0.1	0.9	5.7	0.026
3570108	Drill Core	2.07	346	1.0	6.494	0.6	26.7	0.037	0.9	1.3	<0.005	0.3	0.1	5	2	<0.1	67	<0.1	<0.5	4.9	0.022
3570109	Drill Core	1.92	288	0.9	6.055	1.0	40.1	0.035	1.3	1.9	<0.005	0.4	0.2	6	<1	<0.1	67	0.1	0.6	4.8	0.034
3570110	Drill Core	2.35	353	0.6	5.528	1.9	35.5	0.035	1.5	1.4	<0.005	0.5	0.2	12	<1	0.3	47	0.2	0.8	9.2	0.067
3570111	Drill Core	3.74	548	0.2	5.528	1.0	47.0	0.034	1.2	1.9	<0.005	0.5	0.3	16	1	<0.1	72	0.1	1.7	7.5	0.040
3570112	Drill Core	2.81	510	0.2	5.015	0.6	64.5	0.039	1.5	5.5	<0.005	0.6	0.2	8	<1	<0.1	100	<0.1	0.8	6.0	0.021
3570113	Drill Core	3.06	429	0.4	4.852	1.0	24.8	0.033	1.1	8.9	<0.005	<0.1	0.2	12	<1	0.2	99	<0.1	0.5	7.2	0.038
3570114	Drill Core	3.34	703	0.2	5.294	0.6	11.6	0.021	1.1	2.5	<0.005	<0.1	0.2	10	<1	<0.1	74	<0.1	1.4	5.6	0.022
3570115	Drill Core	4.00	905	0.4	4.098	0.2	38.1	0.027	4.0	2.6	<0.005	0.4	0.1	11	<1	4.8	90	<0.1	1.0	4.1	0.011
3570116	Drill Core	2.28	364	0.3	6.555	0.5	41.7	0.026	1.1	2.3	<0.005	0.3	0.1	6	1	<0.1	64	<0.1	0.9	5.3	0.017
3570117	Drill Core	1.53	39	0.7	6.250	1.0	24.3	0.030	1.0	3.6	<0.005	<0.1	0.2	8	<1	0.4	108	0.1	<0.5	3.3	0.042
3570118	Drill Core	3.41	706	0.6	5.554	0.6	84.7	0.010	1.7	2.2	<0.005	1.0	0.4	10	2	<0.1	78	<0.1	1.7	4.1	0.012
3570119	Drill Core	2.87	699	0.7	4.465	0.4	530.7	0.009	2.9	1.4	<0.005	6.7	0.9	10	10	0.2	69	<0.1	<0.5	4.4	0.012
3570120	Rock Pulp	4.49	767	6.7	1.267	2.0	235.6	0.029	41.0	30.7	<0.005	0.8	0.9	21	<1	0.6	94	0.1	1.3	2.2	0.244

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 31, 2020

CERTIFICATE OF ANALYSIS TIM19002911.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA550
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3570091	Drill Core	<0.5	1.0	18	1.3	4.5	<1	67.8	
3570092	Drill Core	<0.5	0.8	16	1.1	4.1	<1	55.7	
3570093	Drill Core	<0.5	1.2	16	0.8	4.3	<1	71.2	
3570094	Drill Core	<0.5	0.4	16	0.1	1.9	2	30.8	
3570095	Drill Core	<0.5	0.7	18	0.8	4.6	1	68.9	
3570096	Drill Core	<0.5	0.7	9	0.4	3.7	<1	47.4	
3570097	Drill Core	<0.5	1.3	30	0.5	9.1	<1	64.0	
3570098	Silica	0.7	<0.1	<1	<0.1	1.7	2	7.7	
3570099	Drill Core	<0.5	1.2	37	0.6	6.4	<1	85.6	
3570100	Rock Pulp	<0.5	0.1	318	1.2	21.5	80	47.3	
3570101	Drill Core	<0.5	1.4	21	2.1	5.5	<1	72.1	
3570102	Drill Core	<0.5	2.8	25	2.1	8.7	<1	96.0	
3570103	Drill Core	<0.5	1.4	19	0.6	6.0	<1	65.4	
3570104	Drill Core	<0.5	1.0	21	0.7	6.1	<1	50.1	
3570105	Drill Core	<0.5	1.2	18	1.3	6.2	<1	64.3	
3570106	Drill Core	<0.5	0.8	15	1.0	4.4	<1	64.7	
3570107	Drill Core	<0.5	1.3	16	0.9	5.5	<1	71.3	
3570108	Drill Core	<0.5	1.1	15	0.7	6.0	<1	62.3	
3570109	Drill Core	<0.5	1.0	22	1.3	5.1	<1	64.5	
3570110	Drill Core	<0.5	2.5	38	3.0	7.8	<1	111.9	
3570111	Drill Core	<0.5	1.9	32	2.1	8.1	<1	95.6	
3570112	Drill Core	<0.5	1.1	34	0.5	11.0	2	63.9	
3570113	Drill Core	<0.5	1.6	41	0.6	9.0	2	88.0	
3570114	Drill Core	<0.5	1.3	28	0.7	11.7	<1	80.0	
3570115	Drill Core	<0.5	0.8	34	0.3	14.9	<1	45.4	
3570116	Drill Core	<0.5	1.1	15	0.7	6.3	<1	66.8	
3570117	Drill Core	<0.5	0.7	54	0.1	3.5	2	61.3	
3570118	Drill Core	<0.5	0.9	31	0.5	13.7	<1	52.7	
3570119	Drill Core	<0.5	0.9	34	0.5	12.9	1	51.3	
3570120	Rock Pulp	<0.5	0.5	140	13.6	10.2	85	54.4	12.1

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 31, 2020

CERTIFICATE OF ANALYSIS TIM19002911.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3570121	Drill Core	3.66	0.032	<0.1	7.63	8	23	1	<0.1	4.89	<0.1	51	22.5	30	3.1	1.47	3.4	<0.05	0.20	24.4	0.9
3570122	Drill Core	3.57	0.010	<0.1	7.45	5	22	1	<0.1	3.56	<0.1	64	14.2	17	2.1	1.04	2.1	<0.05	0.19	27.2	0.8
3570123	Drill Core	6.20	<0.005	<0.1	6.90	24	58	2	<0.1	0.79	<0.1	59	27.0	185	3.4	1.58	9.1	<0.05	0.31	25.5	10.3
3570124	Drill Core	4.78	0.065	<0.1	7.29	29	33	2	<0.1	3.96	<0.1	280	75.4	176	2.7	1.84	17.1	<0.05	0.22	133.6	2.8
3570125	Silica	0.21	<0.005	<0.1	10.02	2	17	<1	<0.1	0.17	<0.1	1	<0.2	<1	<0.1	0.25	0.3	<0.05	4.36	0.3	23.9
3570126	Drill Core	4.81	<0.005	<0.1	7.39	2	19	<1	<0.1	3.11	<0.1	56	2.4	13	0.8	0.90	1.6	<0.05	0.16	24.4	0.6
3570127	Drill Core	3.79	<0.005	<0.1	6.00	2	30	1	<0.1	0.55	<0.1	24	3.5	35	0.8	0.70	1.7	<0.05	0.18	10.1	5.0
3570128	Drill Core	4.51	<0.005	<0.1	6.74	3	42	2	<0.1	1.30	<0.1	15	4.4	23	1.3	0.79	1.4	<0.05	0.25	6.7	5.0
3570129	Drill Core	3.79	<0.005	<0.1	7.25	5	35	2	<0.1	2.01	<0.1	16	4.9	33	1.1	0.78	2.4	<0.05	0.27	6.8	2.2
3572411	Drill Core	4.96	0.011	<0.1	5.40	14	94	<1	<0.1	14.12	<0.1	34	17.3	56	79.1	3.14	2.4	<0.05	0.58	16.7	9.1
3572412	Drill Core	5.17	<0.005	<0.1	6.85	11	47	<1	<0.1	7.55	<0.1	23	12.6	69	13.5	2.15	3.0	<0.05	0.35	10.5	6.3
3572413	Drill Core	5.07	0.007	<0.1	5.10	17	16	<1	<0.1	10.89	<0.1	16	10.8	56	3.5	2.84	2.2	<0.05	0.09	6.5	3.3
3572414	Drill Core	4.85	<0.005	<0.1	4.80	7	77	<1	<0.1	17.81	<0.1	37	11.7	60	30.6	1.87	2.5	0.10	0.73	19.2	9.6
3572415	Drill Core	5.86	<0.005	<0.1	4.13	4	108	<1	<0.1	18.80	<0.1	27	8.7	48	32.9	2.30	2.2	<0.05	0.91	13.2	14.2
3572416	Drill Core	5.04	<0.005	<0.1	3.50	4	67	<1	<0.1	23.85	<0.1	32	11.3	44	12.4	1.83	1.7	<0.05	0.46	15.5	6.3
3572417	Drill Core	5.44	0.013	<0.1	4.15	13	113	<1	<0.1	17.26	<0.1	38	14.7	45	65.5	2.40	2.4	<0.05	0.88	19.0	14.2
3572418	Drill Core	4.46	<0.005	<0.1	5.18	5	17	<1	<0.1	10.84	<0.1	17	5.5	46	1.8	2.55	2.4	<0.05	0.09	6.6	3.4
3572419	Drill Core	5.23	<0.005	<0.1	2.98	<1	12	<1	<0.1	13.84	<0.1	13	2.6	37	1.0	3.67	1.4	<0.05	0.07	4.5	5.0
3572420	Rock Pulp	0.07	1.595	0.3	7.27	783	333	1	<0.1	5.72	<0.1	35	43.9	204	83.9	8.46	2.9	0.08	0.63	18.9	9.1
3572421	Drill Core	3.28	<0.005	<0.1	3.69	<1	13	<1	<0.1	13.17	<0.1	9	2.6	43	2.2	3.24	1.9	<0.05	0.08	2.9	4.3
3572422	Drill Core	5.00	<0.005	0.1	2.33	2	15	<1	<0.1	15.29	<0.1	13	3.4	30	2.2	4.29	1.1	0.11	0.11	4.3	9.1

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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3570121	Drill Core	2.33	460	0.5	7.006	1.5	18.8	0.022	1.4	3.0	<0.005	0.2	0.2	6	<1	0.1	69	0.2	0.6	9.7	0.043
3570122	Drill Core	1.76	317	<0.1	7.686	0.8	12.4	0.028	1.4	1.2	<0.005	0.1	0.1	4	<1	<0.1	63	<0.1	<0.5	4.8	0.030
3570123	Drill Core	2.18	52	1.6	5.521	2.3	43.2	0.140	2.6	7.2	<0.005	0.6	0.2	15	<1	0.2	136	0.3	<0.5	21.3	0.076
3570124	Drill Core	1.97	361	2.2	6.637	4.9	46.3	0.142	3.7	5.1	<0.005	0.7	0.5	8	<1	0.6	80	0.6	<0.5	40.4	0.150
3570125	Silica	0.03	36	<0.1	9.486	<0.1	0.7	<0.001	4.9	61.9	<0.005	<0.1	<0.1	<1	<1	<0.1	30	<0.1	<0.5	0.3	<0.001
3570126	Drill Core	1.50	280	0.3	7.359	0.7	7.9	0.022	0.9	1.3	<0.005	<0.1	<0.1	5	<1	<0.1	54	<0.1	<0.5	3.8	0.025
3570127	Drill Core	1.13	52	0.5	6.729	1.1	21.8	0.027	0.8	1.0	<0.005	<0.1	<0.1	6	<1	0.2	79	0.1	<0.5	2.5	0.044
3570128	Drill Core	1.38	96	0.3	5.432	0.6	20.3	0.028	1.1	8.1	<0.005	<0.1	<0.1	9	<1	<0.1	107	<0.1	<0.5	3.7	0.025
3570129	Drill Core	1.32	150	1.0	6.449	0.8	12.2	0.030	1.1	5.7	<0.005	<0.1	0.1	6	<1	<0.1	84	<0.1	<0.5	5.8	0.028
3572411	Drill Core	2.71	820	0.4	3.931	4.2	32.8	0.037	2.1	34.4	<0.005	0.1	0.2	12	<1	0.9	138	0.4	1.3	8.2	0.222
3572412	Drill Core	3.20	579	0.9	5.891	3.8	26.2	0.042	1.3	18.6	<0.005	0.1	0.2	14	<1	0.8	59	0.4	0.7	10.2	0.198
3572413	Drill Core	5.71	929	0.3	4.427	1.9	16.1	0.035	1.0	2.2	<0.005	0.2	0.3	18	<1	0.5	59	0.2	2.0	6.3	0.083
3572414	Drill Core	1.64	629	0.4	3.302	3.5	32.1	0.030	2.5	35.3	<0.005	<0.1	0.1	9	<1	0.8	158	0.3	2.5	7.5	0.170
3572415	Drill Core	2.69	635	0.4	2.586	2.6	24.7	0.027	2.6	53.2	<0.005	<0.1	0.1	8	<1	0.9	166	0.2	1.8	6.5	0.142
3572416	Drill Core	0.97	563	0.3	2.437	3.4	29.4	0.022	3.3	25.1	<0.005	<0.1	<0.1	7	<1	0.7	205	0.3	2.7	5.5	0.133
3572417	Drill Core	2.73	637	0.8	2.559	3.0	31.2	0.027	2.7	53.5	<0.005	0.2	0.2	9	<1	0.7	162	0.3	1.8	7.1	0.151
3572418	Drill Core	5.87	868	0.7	4.433	1.6	8.5	0.036	1.2	3.0	<0.005	<0.1	0.3	14	<1	0.4	73	0.1	1.9	7.8	0.064
3572419	Drill Core	7.68	1260	0.5	2.154	0.7	5.5	0.023	1.1	0.9	<0.005	<0.1	0.2	17	<1	<0.1	93	<0.1	4.5	4.1	0.031
3572420	Rock Pulp	4.01	1910	2.6	2.171	16.5	138.9	0.166	4.7	20.9	<0.005	0.7	2.4	19	<1	1.3	360	1.1	0.5	3.1	0.916
3572421	Drill Core	7.07	1196	0.2	2.941	1.1	5.6	0.031	0.9	1.3	<0.005	<0.1	<0.1	15	<1	<0.1	94	<0.1	3.7	5.6	0.039
3572422	Drill Core	9.39	1469	1.2	0.891	0.4	5.4	0.016	1.1	4.6	<0.005	<0.1	0.1	16	<1	<0.1	106	<0.1	3.4	3.1	0.020

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 31, 2020

CERTIFICATE OF ANALYSIS TIM19002911.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA550
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
3570121	Drill Core	<0.5	2.0	25	1.3	9.9	<1	116.8	
3570122	Drill Core	<0.5	0.7	17	1.0	4.7	<1	67.6	
3570123	Drill Core	<0.5	4.4	76	0.3	10.7	4	312.1	
3570124	Drill Core	<0.5	6.9	78	2.9	17.5	3	587.7	
3570125	Silica	0.7	0.1	<1	<0.1	1.7	2	13.5	
3570126	Drill Core	<0.5	0.8	17	0.9	4.5	<1	52.1	
3570127	Drill Core	<0.5	0.7	48	0.3	3.6	1	59.9	
3570128	Drill Core	<0.5	1.1	32	0.2	6.6	2	49.2	
3570129	Drill Core	<0.5	1.3	23	0.4	5.4	<1	80.8	
3572411	Drill Core	<0.5	3.1	73	0.7	13.2	7	83.7	
3572412	Drill Core	<0.5	4.0	68	1.4	10.6	2	109.1	
3572413	Drill Core	<0.5	2.5	58	1.9	9.3	1	72.0	
3572414	Drill Core	<0.5	3.0	57	0.8	11.0	3	78.9	
3572415	Drill Core	<0.5	2.7	53	0.7	10.2	5	77.5	
3572416	Drill Core	<0.5	2.3	45	0.7	9.6	3	59.0	
3572417	Drill Core	<0.5	3.0	62	0.5	12.5	7	74.2	
3572418	Drill Core	<0.5	2.8	57	2.1	11.1	2	80.3	
3572419	Drill Core	<0.5	1.6	58	1.3	10.7	4	46.2	
3572420	Rock Pulp	<0.5	0.9	162	1.1	20.6	115	117.9	
3572421	Drill Core	<0.5	1.9	41	1.6	9.8	3	65.8	
3572422	Drill Core	<0.5	1.3	54	0.6	13.0	8	41.6	

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 31, 2020

QUALITY CONTROL REPORT TIM19002911.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
Pulp Duplicates																					
3570070	Drill Core	4.09	0.024	<0.1	5.56	19	13	<1	<0.1	3.22	<0.1	30	14.2	31	3.3	0.98	2.2	<0.05	0.13	14.9	1.5
REP 3570070	QC			<0.1	5.67	16	13	1	<0.1	3.27	<0.1	27	13.8	30	3.0	1.02	2.1	<0.05	0.12	13.3	1.3
3570079	Drill Core	4.02	0.163	<0.1	5.92	38	10	<1	<0.1	1.57	0.4	41	19.8	38	2.4	0.91	2.0	<0.05	0.09	20.3	1.0
REP 3570079	QC		0.175																		
3570104	Drill Core	4.01	0.048	<0.1	7.05	7	19	<1	<0.1	6.36	<0.1	44	14.7	20	2.0	1.71	1.4	<0.05	0.13	21.4	1.2
REP 3570104	QC			<0.1	6.94	5	18	<1	<0.1	6.35	<0.1	40	14.5	19	1.9	1.70	1.5	<0.05	0.14	19.8	1.0
3572420	Rock Pulp	0.07	1.595	0.3	7.27	783	333	1	<0.1	5.72	<0.1	35	43.9	204	83.9	8.46	2.9	0.08	0.63	18.9	9.1
REP 3572420	QC			0.3	7.43	808	342	2	<0.1	5.97	<0.1	36	42.6	204	79.6	8.75	3.3	<0.05	0.65	19.3	9.0
Core Reject Duplicates																					
3570092	Drill Core	3.31	0.008	<0.1	7.72	6	19	<1	<0.1	4.24	0.1	23	10.2	16	6.5	1.28	1.8	<0.05	0.20	10.7	1.2
DUP 3570092	QC		0.011	<0.1	7.63	6	19	1	<0.1	4.26	<0.1	23	10.1	15	6.9	1.24	1.7	<0.05	0.18	10.6	0.9
3570126	Drill Core	4.81	<0.005	<0.1	7.39	2	19	<1	<0.1	3.11	<0.1	56	2.4	13	0.8	0.90	1.6	<0.05	0.16	24.4	0.6
DUP 3570126	QC		<0.005	<0.1	7.48	2	20	<1	<0.1	3.11	<0.1	54	2.2	14	1.0	0.90	1.6	<0.05	0.14	24.3	0.5
Reference Materials																					
STD OREAS25A-4A	Standard			<0.1	8.95	10	150	<1	0.3	0.31	<0.1	51	7.8	112	34.1	6.57	4.2	0.08	0.50	23.7	37.3
STD OREAS25A-4A	Standard			<0.1	9.07	9	142	1	0.3	0.29	<0.1	46	8.4	117	34.6	6.77	4.4	0.09	0.48	20.8	35.4
STD OREAS25A-4A	Standard			<0.1	8.46	10	141	1	0.4	0.27	<0.1	41	7.6	109	34.2	6.42	3.8	0.12	0.46	19.2	33.8
STD OREAS45H	Standard			0.1	8.40	17	350	2	0.2	0.15	<0.1	26	95.4	602	826.7	20.59	3.7	0.11	0.21	13.5	13.7
STD OREAS45E	Standard			0.3	7.16	17	237	<1	0.2	0.06	<0.1	23	64.8	998	820.2	25.04	3.0	0.10	0.36	11.0	6.4
STD OREAS45E	Standard			0.3	7.12	17	265	<1	0.2	0.06	<0.1	25	64.4	1092	796.1	25.45	2.8	0.12	0.34	11.6	6.3
STD OXC145	Standard		0.210																		
STD OXC145	Standard		0.203																		
STD OXH139	Standard		1.316																		
STD OXH139	Standard		1.324																		
STD OXH139	Standard		1.293																		
STD OXN134	Standard		7.433																		
STD OXN134	Standard		7.516																		
STD OXN134	Standard		7.505																		

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 31, 2020

QUALITY CONTROL REPORT TIM19002911.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
Pulp Duplicates																					
3570070	Drill Core	1.65	229	0.4	4.667	1.3	13.6	0.033	0.9	1.6	<0.005	0.2	0.2	7	2	0.1	41	0.1	<0.5	6.1	0.052
REP 3570070	QC	1.66	231	0.5	4.732	1.3	13.3	0.031	0.9	1.5	<0.005	0.2	0.2	6	<1	0.1	38	0.1	0.5	5.5	0.047
3570079	Drill Core	0.76	124	0.7	5.284	0.7	16.7	0.036	1.0	0.8	<0.005	0.4	0.1	4	1	<0.1	31	<0.1	<0.5	4.8	0.025
REP 3570079	QC																				
3570104	Drill Core	3.19	520	0.6	6.265	0.5	17.2	0.035	1.1	1.6	<0.005	0.1	<0.1	9	<1	<0.1	80	<0.1	0.9	4.3	0.013
REP 3570104	QC	3.13	518	0.6	6.116	0.5	18.2	0.035	1.1	1.6	<0.005	0.1	0.1	9	<1	<0.1	77	<0.1	<0.5	4.0	0.014
3572420	Rock Pulp	4.01	1910	2.6	2.171	16.5	138.9	0.166	4.7	20.9	<0.005	0.7	2.4	19	<1	1.3	360	1.1	0.5	3.1	0.916
REP 3572420	QC	4.08	1940	2.4	2.206	18.3	136.9	0.167	4.9	20.8	<0.005	0.8	2.4	18	<1	1.5	364	1.2	<0.5	3.3	0.940
Core Reject Duplicates																					
3570092	Drill Core	2.12	362	1.3	7.094	0.8	11.2	0.029	1.1	1.0	<0.005	0.1	0.1	5	<1	0.2	66	<0.1	<0.5	3.5	0.028
DUP 3570092	QC	2.09	354	1.1	6.931	0.7	10.7	0.027	1.1	0.9	<0.005	0.1	0.1	5	<1	0.2	65	<0.1	<0.5	3.4	0.028
3570126	Drill Core	1.50	280	0.3	7.359	0.7	7.9	0.022	0.9	1.3	<0.005	<0.1	<0.1	5	<1	<0.1	54	<0.1	<0.5	3.8	0.025
DUP 3570126	QC	1.50	278	0.5	7.276	0.6	7.2	0.020	1.1	1.3	<0.005	<0.1	0.1	5	<1	<0.1	54	<0.1	<0.5	3.6	0.020
Reference Materials																					
STD OREAS25A-4A	Standard	0.35	500	2.2	0.144	19.1	46.9	0.054	25.3	64.4	<0.005	<0.1	0.6	13	2	3.9	49	1.3	<0.5	17.4	0.915
STD OREAS25A-4A	Standard	0.34	511	2.2	0.138	19.8	45.2	0.048	29.9	57.5	<0.005	<0.1	0.6	13	3	3.9	47	1.4	<0.5	15.8	0.949
STD OREAS25A-4A	Standard	0.33	474	2.3	0.122	17.1	41.6	0.046	22.7	54.1	<0.005	<0.1	0.8	12	1	3.4	46	1.3	<0.5	14.3	0.861
STD OREAS45H	Standard	0.28	418	1.8	0.080	14.4	470.8	0.024	13.6	23.4	<0.005	<0.1	0.6	61	2	1.8	30	1.0	<0.5	8.5	0.914
STD OREAS45E	Standard	0.17	579	2.6	0.069	5.8	493.5	0.033	18.5	20.8	<0.005	<0.1	1.0	96	3	1.1	16	0.5	<0.5	14.6	0.544
STD OREAS45E	Standard	0.18	567	2.7	0.059	6.2	480.0	0.034	19.3	22.3	<0.005	<0.1	1.0	93	2	1.4	18	0.6	<0.5	14.5	0.526
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXN134	Standard																				
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Project: SPJ
Report Date: January 31, 2020

QUALITY CONTROL REPORT TIM19002911.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	FA550
	Analyte	Tl	U	V	W	Y	Zn	Zr	Au
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	gm/t
	MDL	0.5	0.1	1	0.1	0.1	1	0.1	0.9
Pulp Duplicates									
3570070	Drill Core	<0.5	1.8	26	2.3	5.5	<1	74.2	
REP 3570070	QC	<0.5	1.7	26	2.1	4.9	<1	73.8	
3570079	Drill Core	<0.5	1.1	19	1.0	3.7	<1	67.6	
REP 3570079	QC								
3570104	Drill Core	<0.5	1.0	21	0.7	6.1	<1	50.1	
REP 3570104	QC	<0.5	1.1	20	0.6	5.9	<1	57.5	
3572420	Rock Pulp	<0.5	0.9	162	1.1	20.6	115	117.9	
REP 3572420	QC	<0.5	0.9	165	1.2	21.2	106	121.0	
Core Reject Duplicates									
3570092	Drill Core	<0.5	0.8	16	1.1	4.1	<1	55.7	
DUP 3570092	QC	<0.5	0.8	16	1.0	4.1	<1	55.7	
3570126	Drill Core	<0.5	0.8	17	0.9	4.5	<1	52.1	
DUP 3570126	QC	<0.5	0.7	18	0.7	4.2	<1	51.6	
Reference Materials									
STD OREAS25A-4A	Standard	<0.5	2.9	158	1.8	11.0	41	153.4	
STD OREAS25A-4A	Standard	<0.5	2.8	162	1.7	10.1	39	146.1	
STD OREAS25A-4A	Standard	<0.5	2.6	149	1.7	8.9	40	141.3	
STD OREAS45H	Standard	<0.5	1.9	287	0.9	10.7	39	125.8	
STD OREAS45E	Standard	<0.5	2.5	330	1.0	7.9	50	91.5	
STD OREAS45E	Standard	<0.5	2.6	325	1.0	8.5	48	96.6	
STD OXC145	Standard								
STD OXC145	Standard								
STD OXH139	Standard								
STD OXH139	Standard								
STD OXH139	Standard								
STD OXN134	Standard								
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QUALITY CONTROL REPORT TIM19002911.1

		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
STD OXP116	Standard																				
STD OXQ90	Standard																				
STD OXQ90	Standard																				
STD OREAS45H Expected				0.147	7.99	16.9	332	1.09	0.17	0.135		23.6	88	602	767	19.52	3.6	0.1	0.205	12.4	13.1
STD OREAS25A-4A Expected					8.87	9.94	147	0.93	0.37	0.301		47.3	7.7	115	33.9	6.6	4.14	0.09	0.482	21.8	36.7
STD OREAS45E Expected				0.311	6.78	16.3	252		0.28	0.065	0.06	23.5	57	979	780	24.12	3.11	0.099	0.324	11	6.58
STD OXC145 Expected			0.212																		
STD OXN134 Expected			7.667																		
STD OXH139 Expected			1.312																		
STD OXP116 Expected																					
STD OXQ90 Expected																					
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank																				
Prep Wash																					
ROCK-TIM	Prep Blank		<0.005	<0.1	7.17	2	787	1	<0.1	1.61	<0.1	25	4.8	3	6.0	2.27	1.5	<0.05	1.65	12.0	1.6
ROCK-TIM	Prep Blank		<0.005	<0.1	7.12	1	744	1	<0.1	1.58	<0.1	23	4.7	3	5.9	2.22	1.6	<0.05	1.61	11.3	1.5

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BUREAU VERITAS
MINERAL LABORATORIES
Canada

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 31, 2020

QUALITY CONTROL REPORT TIM19002911.1

		MA200 Mg % 0.01	MA200 Mn ppm 1	MA200 Mo ppm 0.1	MA200 Na % 0.001	MA200 Nb ppm 0.1	MA200 Ni ppm 0.1	MA200 P % 0.001	MA200 Pb ppm 0.1	MA200 Rb ppm 0.1	MA200 Re ppm 0.005	MA200 S % 0.1	MA200 Sb ppm 0.1	MA200 Sc ppm 1	MA200 Se ppm 1	MA200 Sn ppm 0.1	MA200 Sr ppm 1	MA200 Ta ppm 0.1	MA200 Te ppm 0.5	MA200 Th ppm 0.1	MA200 Ti % 0.001
STD OXP116	Standard																				
STD OXQ90	Standard																				
STD OXQ90	Standard																				
STD OREAS45H Expected		0.238	380	1.55	0.09	14.8	423	0.023	11.9	22.5			0.63	57	2.02	1.93	27.1	1.08		7.26	0.878
STD OREAS25A-4A Expected		0.327	480	2.41	0.131	20.9	45.8	0.048	25.2	61		0.047	0.65	13.7	2.4	4.06	48.5	1.4		15.8	0.93
STD OREAS45E Expected		0.156	570	2.4	0.059	6.8	454	0.034	18.2	21.2		0.046	1	93	2.97	1.32	15.9	0.54	0.1	12.9	0.559
STD OXC145 Expected																					
STD OXN134 Expected																					
STD OXH139 Expected																					
STD OXP116 Expected																					
STD OXQ90 Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<1	<0.1	0.001	<0.1	0.1	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.001	<0.1	0.1	<0.001	<0.1	0.1	<0.005	<0.1	<0.1	<1	1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	1	<0.1	<0.001	<0.1	0.2	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-TIM	Prep Blank	0.61	709	0.9	3.607	5.6	1.5	0.044	2.3	30.5	<0.005	<0.1	<0.1	7	<1	0.6	207	0.4	<0.5	3.1	0.215
ROCK-TIM	Prep Blank	0.61	705	0.8	3.554	5.4	1.5	0.043	2.2	29.8	<0.005	<0.1	<0.1	7	1	0.5	202	0.4	<0.5	2.9	0.214

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 31, 2020

QUALITY CONTROL REPORT TIM19002911.1

		MA200 Tl ppm 0.5	MA200 U ppm 0.1	MA200 V ppm 1	MA200 W ppm 0.1	MA200 Y ppm 0.1	MA200 Zn ppm 1	MA200 Zr ppm 0.1	FA550 Au gm/t 0.9
STD OXP116	Standard								15.2
STD OXQ90	Standard								25.5
STD OXQ90	Standard								25.3
STD OREAS45H Expected			1.68	263	0.99	10.4	39.7	131	
STD OREAS25A-4A Expected		0.35	2.94	157	2	10.5	44.4	155	
STD OREAS45E Expected		0.15	2.41	322	1.07	8.28	46.7	97	
STD OXC145 Expected									
STD OXN134 Expected									
STD OXH139 Expected									
STD OXP116 Expected									14.92
STD OXQ90 Expected									24.88
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1	
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	1	<0.1	
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	0.2	
BLK	Blank								
BLK	Blank								
BLK	Blank								<0.9
Prep Wash									
ROCK-TIM	Prep Blank	<0.5	1.2	39	0.4	16.7	39	49.4	
ROCK-TIM	Prep Blank	<0.5	1.2	39	0.3	15.3	36	47.3	

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By:	Quentin Yarie
Receiving Lab:	Canada-Timmins
Received:	December 17, 2019
Analysis Start:	January 20, 2020
Report Date:	January 29, 2020
Page:	1 of 4

CERTIFICATE OF ANALYSIS TIM19002912.1

CLIENT JOB INFORMATION

Project:	SPJ
Shipment ID:	
P.O. Number	
Number of Samples:	82

SAMPLE DISPOSAL

RTRN-PLP	Return After 90 days
RTRN-RJT	Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP85-500	78	Crush split and pulverize 250g of sample to 200mesh			TIM
SHP01	82	Per sample shipping charges for branch shipments			TIM
SLBHP	4	Sort, label and box pulps			TIM
FA450	82	50g Lead Collection Fire Assay Fusion - AAS Finish	50	Completed	TIM
EN002	82	Environmental disposal charge-Fire assay lead waste			TIM
MA200	82	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
EN001-MA	82	Environmental disposal fee - Multi-acid neutralization			VAN

ADDITIONAL COMMENTS

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC:

MAY LAI
Data Validation Specialist

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All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

CERTIFICATE OF ANALYSIS TIM19002912.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3572423	Drill Core	4.60	<0.005	<0.1	3.24	5	14	<1	<0.1	12.50	<0.1	8	2.4	33	47.3	3.63	1.7	0.06	0.09	2.9	3.4
3572424	Drill Core	5.31	0.020	0.2	3.07	10	22	<1	<0.1	12.04	<0.1	18	8.7	36	438.7	4.03	1.6	0.14	0.18	7.2	6.8
3572425	Silica	0.21	<0.005	<0.1	8.91	2	18	<1	<0.1	0.18	<0.1	1	<0.2	2	0.8	0.26	0.2	<0.05	3.88	0.6	25.2
3572426	Drill Core	4.16	0.077	<0.1	2.10	4	7	<1	0.2	11.59	<0.1	10	5.5	18	1930.8	4.06	0.9	0.51	0.04	3.4	8.9
3572427	Drill Core	3.85	0.006	<0.1	4.99	12	79	<1	<0.1	8.16	<0.1	24	12.6	53	37.4	4.47	2.6	0.07	0.86	10.7	27.7
3572428	Drill Core	2.42	0.055	0.2	3.96	3	148	<1	<0.1	8.27	<0.1	14	9.5	43	514.4	5.85	2.1	0.14	1.14	5.7	32.0
3572429	Drill Core	4.30	<0.005	<0.1	2.82	7	80	<1	<0.1	18.69	<0.1	31	9.5	29	82.9	1.64	1.5	0.07	0.82	16.8	9.0
3572430	Drill Core	5.68	<0.005	<0.1	3.22	13	141	<1	<0.1	21.71	<0.1	35	13.6	43	11.0	1.95	1.7	<0.05	0.65	19.2	10.1
3572431	Drill Core	5.35	<0.005	0.1	3.58	3	140	<1	<0.1	19.29	<0.1	32	11.6	48	14.1	1.93	1.8	<0.05	0.58	17.0	12.4
3572432	Drill Core	6.07	<0.005	<0.1	3.27	3	66	<1	<0.1	21.68	<0.1	30	11.8	45	13.5	1.84	1.6	<0.05	0.17	15.2	3.1
3572433	Drill Core	5.83	<0.005	<0.1	2.50	2	303	<1	<0.1	25.03	<0.1	26	6.8	34	19.1	1.14	1.3	<0.05	0.65	14.3	3.0
3572434	Drill Core	4.10	<0.005	<0.1	2.89	11	203	<1	<0.1	24.83	<0.1	26	10.6	38	26.3	1.58	1.3	0.05	0.60	13.4	12.8
3572435	Drill Core	3.85	<0.005	<0.1	1.93	5	195	<1	<0.1	21.58	<0.1	22	4.8	29	14.8	0.97	1.1	<0.05	0.40	11.2	9.1
3572436	Drill Core	5.22	<0.005	<0.1	3.57	11	348	<1	<0.1	22.03	<0.1	37	11.5	52	18.7	2.13	2.1	0.05	0.77	19.3	10.7
3572437	Drill Core	5.89	<0.005	<0.1	2.60	12	332	<1	0.1	29.43	<0.1	36	11.5	34	29.8	1.15	1.5	0.07	0.67	19.9	5.7
3572438	Drill Core	5.28	<0.005	<0.1	3.01	9	535	<1	0.1	28.18	0.3	29	11.7	38	21.4	1.62	1.8	<0.05	0.86	14.9	11.0
3572439	Drill Core	4.84	<0.005	<0.1	2.90	10	410	<1	<0.1	28.80	<0.1	29	9.7	40	13.1	1.35	1.7	<0.05	0.82	16.0	9.6
3572440	Rock Pulp	0.07	0.510	0.2	6.94	4	138	<1	<0.1	6.51	0.1	10	46.1	174	150.3	7.80	1.6	0.06	0.18	4.1	10.7
3572441	Drill Core	5.51	0.006	<0.1	3.40	9	499	<1	0.1	23.66	<0.1	31	14.0	42	23.1	1.95	1.9	<0.05	0.93	16.5	12.4
3572442	Drill Core	4.87	0.005	<0.1	3.30	6	346	1	0.1	23.62	<0.1	30	10.5	39	12.6	1.52	1.9	<0.05	0.68	15.4	7.2
3572443	Drill Core	4.81	0.006	<0.1	4.48	14	1005	2	0.2	19.99	<0.1	43	19.1	52	19.7	3.30	2.5	0.06	1.55	22.1	25.4
3572444	Drill Core	4.83	<0.005	<0.1	3.38	13	442	1	0.2	25.43	<0.1	40	14.8	41	13.8	2.23	1.8	<0.05	1.00	21.0	20.6
3572445	Drill Core	5.75	<0.005	<0.1	3.01	12	369	<1	0.1	26.97	<0.1	30	12.7	37	10.0	1.74	1.5	<0.05	0.86	16.1	18.3
3572446	Drill Core	5.36	0.033	<0.1	3.21	16	221	1	0.1	26.36	<0.1	32	11.3	36	9.7	1.89	1.6	<0.05	0.90	17.3	22.2
3572447	Drill Core	5.38	0.009	<0.1	3.10	15	153	<1	0.1	25.82	<0.1	29	13.1	30	11.6	1.94	1.7	<0.05	1.42	16.2	24.9
3572448	Drill Core	4.79	0.017	0.1	3.44	21	247	<1	0.2	19.08	<0.1	50	15.8	37	14.1	2.52	1.9	<0.05	2.39	28.6	34.7
3572449	Drill Core	5.44	<0.005	<0.1	2.54	6	283	<1	0.1	27.55	<0.1	27	7.7	28	13.6	1.31	1.5	<0.05	1.42	15.2	15.2
3572450	Silica	0.21	<0.005	<0.1	9.60	1	18	<1	<0.1	0.20	<0.1	1	<0.2	3	1.0	0.53	0.2	<0.05	3.85	0.4	22.4
3572451	Drill Core	4.16	0.009	<0.1	3.83	14	338	<1	0.1	21.77	<0.1	39	12.4	45	15.9	2.21	1.8	0.05	1.58	20.7	28.8
3572452	Drill Core	4.92	0.006	<0.1	2.88	12	173	<1	0.1	26.70	<0.1	29	9.3	37	15.7	1.55	1.5	<0.05	1.17	15.2	28.0

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

CERTIFICATE OF ANALYSIS TIM19002912.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3572423	Drill Core	6.67	1350	0.5	2.611	0.9	6.7	0.025	1.2	1.0	<0.005	<0.1	0.1	10	<1	0.2	87	<0.1	1.4	4.9	0.039
3572424	Drill Core	7.02	1558	0.8	1.968	1.0	32.0	0.022	2.5	5.4	<0.005	0.1	0.2	8	<1	0.6	78	<0.1	2.9	5.2	0.044
3572425	Silica	0.04	49	0.2	7.589	<0.1	0.4	<0.001	5.1	59.7	<0.005	<0.1	0.2	<1	<1	<0.1	32	<0.1	<0.5	0.1	<0.001
3572426	Drill Core	8.96	1915	0.1	0.053	0.4	22.6	0.015	0.9	2.4	<0.005	0.2	0.1	5	<1	0.7	55	<0.1	3.4	2.8	0.022
3572427	Drill Core	8.40	1386	4.9	1.646	1.9	50.7	0.032	0.7	46.3	<0.005	<0.1	0.2	11	<1	0.4	39	0.1	1.2	8.4	0.113
3572428	Drill Core	9.66	1246	0.8	0.037	1.9	28.7	0.029	0.6	68.1	<0.005	<0.1	0.1	8	<1	0.8	35	0.2	4.2	6.4	0.130
3572429	Drill Core	3.51	1176	1.1	1.634	3.0	19.2	0.020	2.0	27.0	<0.005	<0.1	0.2	6	<1	0.8	145	0.2	4.6	4.2	0.123
3572430	Drill Core	0.85	491	1.0	2.042	3.8	29.8	0.024	3.8	36.1	<0.005	<0.1	0.1	7	<1	0.7	224	0.3	3.7	5.1	0.155
3572431	Drill Core	1.03	426	0.5	2.375	4.3	30.7	0.026	2.8	30.3	<0.005	<0.1	0.4	7	<1	1.0	192	0.3	2.4	5.3	0.174
3572432	Drill Core	0.82	427	1.5	2.212	3.6	27.9	0.025	2.4	4.2	<0.005	<0.1	0.5	7	<1	0.8	260	0.3	2.0	4.9	0.160
3572433	Drill Core	0.50	486	0.8	1.358	3.2	17.5	0.020	1.9	7.9	<0.005	<0.1	0.4	5	<1	0.7	288	0.2	1.8	4.1	0.126
3572434	Drill Core	0.68	500	1.7	1.588	3.4	27.0	0.023	2.4	28.6	<0.005	<0.1	0.4	6	<1	0.9	268	0.3	1.9	4.6	0.139
3572435	Drill Core	0.39	444	0.4	1.141	2.4	11.3	0.016	2.0	22.6	<0.005	<0.1	0.3	4	<1	0.5	223	0.2	3.4	3.2	0.100
3572436	Drill Core	1.00	463	0.5	1.763	4.3	35.8	0.026	2.4	29.9	<0.005	<0.1	0.7	7	<1	1.1	304	0.3	3.8	5.8	0.180
3572437	Drill Core	0.55	532	0.6	1.380	3.3	17.8	0.020	2.2	18.9	<0.005	<0.1	0.5	5	<1	0.8	244	0.3	2.4	4.4	0.132
3572438	Drill Core	0.85	550	0.7	1.441	4.0	29.2	0.023	4.2	31.1	<0.005	<0.1	0.7	6	<1	1.0	247	0.3	5.0	5.1	0.150
3572439	Drill Core	0.70	546	1.0	1.475	3.6	23.3	0.023	2.6	28.5	<0.005	<0.1	0.4	7	<1	0.9	252	0.3	<0.5	4.8	0.146
3572440	Rock Pulp	4.19	1381	0.6	2.166	3.6	93.4	0.038	2.9	3.6	<0.005	0.1	0.5	41	<1	0.7	117	0.2	0.6	0.5	0.647
3572441	Drill Core	1.14	464	2.8	1.661	4.3	35.5	0.026	3.5	32.1	<0.005	<0.1	0.7	7	<1	1.3	252	0.3	1.8	6.2	0.170
3572442	Drill Core	0.93	466	0.9	1.712	4.4	27.9	0.021	3.1	13.0	<0.005	<0.1	0.6	6	<1	1.2	245	0.4	3.8	6.1	0.156
3572443	Drill Core	1.68	460	1.1	1.741	6.2	56.5	0.027	4.4	104.5	<0.005	<0.1	0.7	9	<1	1.6	291	0.5	2.5	8.5	0.221
3572444	Drill Core	1.30	565	0.9	1.445	4.9	32.9	0.024	3.4	68.7	<0.005	<0.1	0.5	8	<1	1.1	265	0.4	4.3	6.1	0.169
3572445	Drill Core	1.02	572	0.6	1.355	4.1	27.6	0.019	2.7	65.2	<0.005	<0.1	0.4	6	<1	0.9	254	0.3	<0.5	5.5	0.149
3572446	Drill Core	1.20	572	0.9	1.360	4.6	27.3	0.023	3.8	63.7	<0.005	<0.1	0.4	7	<1	0.9	259	0.3	2.3	5.7	0.155
3572447	Drill Core	1.71	733	0.6	1.044	4.2	25.7	0.022	3.1	62.0	<0.005	<0.1	0.5	6	<1	0.8	210	0.3	4.8	5.6	0.140
3572448	Drill Core	4.59	1227	0.7	0.715	5.0	35.3	0.027	2.4	74.2	<0.005	<0.1	0.6	7	<1	1.1	142	0.4	4.2	6.2	0.167
3572449	Drill Core	1.59	708	0.7	0.874	3.2	20.4	0.020	1.4	33.3	<0.005	<0.1	0.3	6	<1	0.7	155	0.3	<0.5	4.2	0.125
3572450	Silica	0.03	72	0.4	7.165	0.2	0.6	<0.001	5.0	57.3	<0.005	<0.1	0.1	<1	<1	0.1	30	<0.1	<0.5	0.2	<0.001
3572451	Drill Core	1.96	622	1.2	1.526	4.8	32.9	0.026	2.6	60.4	<0.005	<0.1	0.8	8	<1	1.2	165	0.4	3.1	6.5	0.180
3572452	Drill Core	0.93	622	0.5	1.162	3.9	20.9	0.020	2.8	64.7	<0.005	<0.1	0.4	6	<1	0.7	213	0.3	0.7	5.1	0.138

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

CERTIFICATE OF ANALYSIS TIM19002912.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3572423	Drill Core	<0.5	1.9	37	1.0	6.6	2	60.4
3572424	Drill Core	<0.5	2.1	47	1.0	10.4	10	54.8
3572425	Silica	0.7	0.1	<1	<0.1	1.7	3	13.2
3572426	Drill Core	<0.5	1.4	29	0.4	10.9	13	31.1
3572427	Drill Core	<0.5	3.3	73	1.0	12.2	15	82.5
3572428	Drill Core	<0.5	2.7	66	0.6	11.8	23	69.5
3572429	Drill Core	<0.5	2.0	39	0.7	10.5	3	51.8
3572430	Drill Core	<0.5	2.3	47	0.8	8.5	5	60.9
3572431	Drill Core	<0.5	2.4	53	0.9	9.5	6	62.5
3572432	Drill Core	<0.5	2.2	46	0.8	8.4	6	56.9
3572433	Drill Core	<0.5	1.9	36	0.5	7.4	3	48.4
3572434	Drill Core	<0.5	2.1	43	0.5	7.4	6	50.4
3572435	Drill Core	<0.5	1.6	26	0.6	5.7	4	34.0
3572436	Drill Core	<0.5	2.5	53	0.7	9.9	7	66.0
3572437	Drill Core	<0.5	2.1	37	0.6	7.8	4	48.2
3572438	Drill Core	<0.5	2.3	44	0.7	8.4	29	62.2
3572439	Drill Core	<0.5	2.3	40	0.6	8.4	6	57.5
3572440	Rock Pulp	<0.5	0.1	295	1.2	21.1	83	49.3
3572441	Drill Core	<0.5	2.6	51	0.9	9.5	8	60.5
3572442	Drill Core	<0.5	2.3	45	0.9	9.4	4	69.0
3572443	Drill Core	<0.5	3.2	66	1.5	12.3	19	76.4
3572444	Drill Core	<0.5	2.4	49	0.8	10.9	12	60.9
3572445	Drill Core	<0.5	2.2	43	0.7	9.1	10	55.1
3572446	Drill Core	<0.5	2.4	45	0.8	8.8	14	56.0
3572447	Drill Core	<0.5	2.3	42	0.8	8.8	11	58.1
3572448	Drill Core	<0.5	2.6	47	1.5	13.1	11	63.3
3572449	Drill Core	<0.5	2.0	36	0.5	9.1	6	50.3
3572450	Silica	0.7	0.1	<1	<0.1	1.3	2	12.3
3572451	Drill Core	<0.5	2.5	53	1.0	11.9	8	68.2
3572452	Drill Core	<0.5	2.1	39	0.7	9.0	17	49.2

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

CERTIFICATE OF ANALYSIS TIM19002912.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3572453	Drill Core	5.08	0.010	<0.1	2.55	8	207	<1	<0.1	26.88	<0.1	29	5.4	29	9.1	1.44	1.2	<0.05	1.24	15.3	22.5
3572454	Drill Core	4.99	0.016	<0.1	2.58	16	203	<1	0.1	25.98	<0.1	30	10.5	25	10.2	1.38	1.3	<0.05	2.19	17.2	21.1
3572455	Drill Core	5.09	0.024	<0.1	2.59	25	155	<1	0.1	25.53	<0.1	36	8.9	24	7.9	1.56	1.2	<0.05	1.96	22.0	24.1
3572456	Drill Core	5.13	0.026	<0.1	2.56	15	128	<1	0.1	27.78	<0.1	20	10.6	29	15.2	1.69	1.4	<0.05	1.64	11.9	30.1
3572457	Drill Core	2.49	0.019	0.1	2.62	27	132	<1	0.2	17.63	<0.1	41	10.3	25	31.3	2.08	1.4	0.09	2.49	23.8	21.4
3572458	Drill Core	3.18	0.037	<0.1	5.66	82	88	1	0.7	4.65	<0.1	55	66.3	62	95.3	2.90	2.8	0.05	1.12	29.9	12.6
3572459	Drill Core	2.83	0.029	<0.1	6.52	36	173	2	0.4	1.70	<0.1	65	69.9	86	148.8	3.71	3.4	0.06	1.12	36.3	13.1
3572460	Rock Pulp	0.07	5.260	0.9	6.31	23	217	<1	0.3	5.18	0.1	12	43.5	255	135.4	6.83	1.5	0.07	0.45	5.5	16.8
3572461	Drill Core	5.49	0.022	<0.1	7.07	66	92	1	0.5	2.75	<0.1	84	61.7	81	121.3	2.83	3.4	<0.05	0.77	49.7	9.0
3572462	Drill Core	2.22	0.012	<0.1	7.40	30	54	2	0.1	3.81	<0.1	46	16.5	66	20.1	1.43	4.4	<0.05	0.35	26.3	8.8
3572463	Drill Core	2.76	0.010	<0.1	7.21	30	57	1	0.1	3.02	<0.1	40	16.5	55	9.2	1.22	4.3	<0.05	0.32	21.9	7.2
3572464	Drill Core	3.90	0.009	<0.1	7.50	15	240	2	0.2	4.97	<0.1	149	29.3	162	8.4	3.38	3.8	<0.05	1.07	94.1	11.4
3572465	Drill Core	2.37	0.012	<0.1	7.04	11	84	1	<0.1	7.74	<0.1	642	18.5	62	18.0	2.58	3.5	0.05	0.29	480.0	10.1
3572466	Drill Core	3.52	0.102	<0.1	4.55	54	52	2	1.2	10.17	<0.1	861	126.6	57	62.1	7.36	2.4	0.13	0.68	670.9	10.0
3572467	Drill Core	4.43	0.046	<0.1	5.62	8	361	3	0.1	7.71	<0.1	946	40.3	73	107.7	6.29	2.9	0.26	0.89	753.4	11.2
3572468	Drill Core	4.02	0.005	<0.1	5.63	1	348	2	<0.1	7.40	<0.1	300	19.9	82	66.1	9.00	3.0	0.14	0.88	244.7	7.9
3572469	Drill Core	4.20	0.036	<0.1	5.63	17	103	2	0.4	6.46	<0.1	99	64.9	88	175.8	8.98	3.0	0.10	0.70	66.3	5.6
3572470	Drill Core	3.84	0.014	<0.1	6.10	15	160	2	0.3	5.01	<0.1	294	64.1	90	133.6	9.24	3.2	0.22	0.40	238.4	5.3
3572471	Drill Core	4.47	0.005	<0.1	4.69	3	106	4	<0.1	4.81	<0.1	303	29.2	80	70.1	20.45	2.5	0.11	0.34	253.4	2.6
3572472	Drill Core	4.47	<0.005	<0.1	3.40	<1	80	1	<0.1	16.02	<0.1	90	13.1	48	16.8	9.90	1.9	0.12	0.26	76.4	2.6
3572473	Drill Core	3.77	0.009	<0.1	3.77	<1	69	<1	<0.1	19.73	<0.1	87	16.3	48	40.9	3.10	2.2	<0.05	0.19	71.2	2.1
3572474	Drill Core	3.72	0.025	<0.1	3.85	<1	138	1	<0.1	18.18	<0.1	566	14.4	48	23.0	3.30	2.0	0.10	0.36	513.9	5.5
3572475	Silica	0.21	<0.005	<0.1	9.10	1	19	<1	<0.1	0.32	<0.1	2	<0.2	2	0.9	0.26	0.2	<0.05	2.59	1.2	22.7
3572476	Drill Core	5.03	0.023	<0.1	4.65	8	59	2	0.1	8.77	<0.1	733	32.6	77	57.5	13.40	2.3	0.17	0.16	686.8	2.8
3572477	Drill Core	5.56	0.285	<0.1	4.10	49	49	2	0.7	4.71	<0.1	757	92.1	73	217.5	25.69	1.9	0.15	0.13	663.7	3.1
3572478	Drill Core	4.88	<0.005	<0.1	3.67	1	26	<1	<0.1	19.92	<0.1	41	8.3	44	3.0	2.18	1.9	0.08	0.10	25.6	2.7
3572479	Drill Core	5.42	0.019	<0.1	4.54	3	253	1	<0.1	17.97	<0.1	40	12.6	57	2.7	2.53	2.4	0.06	0.35	22.5	3.7
3572480	Rock Pulp	0.07	1.504	0.2	6.87	762	330	1	<0.1	5.34	<0.1	35	40.1	173	82.0	8.05	3.1	0.09	0.62	19.7	8.3
3572481	Drill Core	5.68	<0.005	<0.1	4.54	3	125	1	<0.1	15.72	<0.1	41	12.8	63	1.8	3.39	2.2	0.08	0.35	22.1	7.7
3572482	Drill Core	4.30	<0.005	<0.1	5.40	3	147	1	<0.1	14.31	<0.1	45	15.0	66	2.3	3.26	2.2	0.10	0.25	23.2	6.9

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Project: SPJ
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CERTIFICATE OF ANALYSIS TIM19002912.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3572453	Drill Core	1.66	784	0.5	0.839	3.2	18.2	0.018	1.6	48.4	<0.005	<0.1	0.3	6	<1	0.7	203	0.2	4.5	3.9	0.117
3572454	Drill Core	1.93	829	0.4	0.487	3.5	21.2	0.017	2.0	40.5	<0.005	<0.1	0.5	5	<1	0.8	165	0.2	6.3	4.4	0.117
3572455	Drill Core	2.62	998	0.7	0.514	3.2	20.8	0.017	1.7	35.8	<0.005	<0.1	0.3	5	<1	0.7	134	0.2	6.6	4.4	0.110
3572456	Drill Core	1.52	773	0.6	0.592	3.8	30.2	0.018	1.7	37.5	<0.005	<0.1	0.3	6	<1	0.7	166	0.3	2.7	4.9	0.121
3572457	Drill Core	6.12	1949	0.6	0.268	3.5	26.5	0.018	2.0	38.7	0.005	<0.1	0.3	5	<1	0.8	74	0.3	2.0	4.6	0.121
3572458	Drill Core	2.87	529	0.2	3.547	4.1	131.2	0.201	4.6	25.2	<0.005	1.8	0.6	10	4	1.8	47	0.3	0.6	11.0	0.179
3572459	Drill Core	2.71	255	0.4	4.444	5.5	192.7	0.122	2.9	57.0	<0.005	1.9	0.4	13	4	1.4	42	0.4	<0.5	10.6	0.248
3572460	Rock Pulp	4.06	1261	2.9	1.949	3.2	116.8	0.040	17.0	14.8	<0.005	0.4	0.5	33	<1	0.7	103	0.2	1.6	1.1	0.589
3572461	Drill Core	2.03	191	0.4	5.258	3.8	395.6	0.198	4.1	28.3	<0.005	1.7	0.6	12	5	2.0	53	0.3	0.6	11.8	0.182
3572462	Drill Core	1.54	187	0.4	6.304	3.6	43.3	0.331	3.0	7.3	<0.005	0.4	0.5	12	1	1.4	71	0.3	<0.5	13.0	0.171
3572463	Drill Core	0.91	128	0.4	6.794	4.7	54.5	0.208	3.3	5.1	<0.005	0.5	0.4	9	1	1.3	54	0.5	<0.5	12.7	0.194
3572464	Drill Core	2.27	336	0.2	5.138	6.1	74.5	0.080	1.9	80.4	<0.005	0.5	0.3	12	<1	2.6	87	0.5	0.7	11.1	0.269
3572465	Drill Core	2.60	354	<0.1	4.941	4.9	25.9	0.076	2.5	15.5	<0.005	0.3	0.3	10	<1	2.2	102	0.5	1.3	10.6	0.222
3572466	Drill Core	3.53	420	<0.1	2.923	4.7	92.1	0.084	3.5	55.5	<0.005	3.2	0.4	11	5	3.4	114	0.4	2.0	15.1	0.205
3572467	Drill Core	2.88	384	<0.1	3.556	6.6	52.8	0.055	2.7	75.2	<0.005	0.6	0.4	12	<1	5.0	128	0.6	1.1	11.5	0.255
3572468	Drill Core	2.05	348	0.2	3.827	6.3	48.4	0.049	2.1	73.6	<0.005	0.3	0.4	11	<1	3.8	115	0.5	<0.5	13.9	0.255
3572469	Drill Core	2.12	290	<0.1	3.733	7.1	75.9	0.055	2.7	61.4	<0.005	2.1	0.4	11	3	3.8	108	0.6	0.6	11.5	0.256
3572470	Drill Core	2.07	228	0.1	4.288	7.7	44.7	0.051	2.5	33.3	<0.005	1.3	0.6	13	2	4.4	92	0.6	<0.5	10.5	0.283
3572471	Drill Core	1.48	214	0.3	3.353	5.6	37.3	0.036	1.7	30.8	<0.005	0.2	1.2	10	<1	3.4	78	0.5	<0.5	6.8	0.220
3572472	Drill Core	0.95	362	0.2	2.500	4.2	19.5	0.024	2.0	20.0	<0.005	<0.1	0.5	6	<1	1.8	162	0.4	0.6	5.4	0.146
3572473	Drill Core	0.82	394	0.2	2.923	4.8	27.0	0.026	3.5	11.4	<0.005	0.2	0.6	7	<1	1.6	164	0.4	2.9	6.1	0.172
3572474	Drill Core	1.05	360	<0.1	2.810	4.9	28.8	0.027	2.6	29.4	<0.005	0.2	0.3	8	<1	2.0	151	0.4	0.6	5.2	0.180
3572475	Silica	0.04	42	0.1	7.917	0.2	0.6	<0.001	5.5	75.3	<0.005	<0.1	0.2	<1	<1	<0.1	35	<0.1	<0.5	0.2	0.002
3572476	Drill Core	1.27	231	0.5	3.704	5.6	30.4	0.037	2.1	10.7	<0.005	0.5	0.9	10	1	3.1	80	0.4	<0.5	6.2	0.214
3572477	Drill Core	1.16	169	0.4	3.169	4.2	83.7	0.045	3.7	10.9	<0.005	3.0	1.4	8	5	3.0	54	0.4	0.7	7.9	0.183
3572478	Drill Core	0.90	382	0.2	2.687	4.8	27.8	0.025	1.4	1.0	<0.005	<0.1	0.4	8	<1	1.3	165	0.4	3.9	6.5	0.176
3572479	Drill Core	1.25	386	0.3	2.765	5.9	42.7	0.030	2.4	5.1	<0.005	<0.1	0.9	11	<1	1.5	209	0.4	2.4	7.3	0.224
3572480	Rock Pulp	3.68	1834	2.6	2.016	17.2	126.8	0.157	4.8	20.7	0.006	0.7	2.3	18	<1	1.7	353	1.1	0.8	3.3	0.901
3572481	Drill Core	2.08	414	0.3	2.511	5.3	44.2	0.031	1.9	3.9	<0.005	<0.1	0.7	11	<1	1.7	165	0.4	2.6	6.8	0.226
3572482	Drill Core	1.81	344	0.4	3.080	6.4	47.4	0.035	2.6	3.6	<0.005	<0.1	1.1	12	<1	1.8	173	0.5	1.6	8.9	0.258

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Project: SPJ
Report Date: January 29, 2020

CERTIFICATE OF ANALYSIS TIM19002912.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3572453	Drill Core	<0.5	1.7	35	0.7	10.2	8	48.1
3572454	Drill Core	<0.5	1.7	34	0.8	11.5	5	48.2
3572455	Drill Core	<0.5	1.8	34	0.6	12.6	6	45.5
3572456	Drill Core	<0.5	1.7	34	0.7	7.0	7	50.8
3572457	Drill Core	<0.5	2.8	36	1.6	15.3	7	47.8
3572458	Drill Core	<0.5	5.2	90	1.9	18.1	3	111.1
3572459	Drill Core	<0.5	3.8	108	1.5	15.7	5	121.5
3572460	Rock Pulp	<0.5	0.3	260	5.1	18.7	86	47.4
3572461	Drill Core	<0.5	6.9	89	1.6	20.4	4	132.2
3572462	Drill Core	<0.5	9.7	83	1.8	17.7	3	165.5
3572463	Drill Core	<0.5	9.1	74	2.5	13.8	2	153.2
3572464	Drill Core	<0.5	5.4	199	1.6	13.5	5	128.4
3572465	Drill Core	<0.5	5.2	179	1.5	15.8	3	126.8
3572466	Drill Core	<0.5	4.2	339	0.6	19.8	5	84.7
3572467	Drill Core	<0.5	4.8	370	0.5	20.6	5	100.6
3572468	Drill Core	<0.5	4.7	732	0.7	15.1	4	100.5
3572469	Drill Core	<0.5	4.2	291	0.3	14.9	3	101.0
3572470	Drill Core	<0.5	4.2	179	0.4	16.2	3	102.6
3572471	Drill Core	<0.5	3.1	167	0.3	11.6	2	88.3
3572472	Drill Core	<0.5	2.0	49	0.2	9.8	2	62.0
3572473	Drill Core	<0.5	2.1	56	0.3	10.0	2	71.0
3572474	Drill Core	<0.5	2.5	82	0.3	12.3	2	71.1
3572475	Silica	0.7	0.2	<1	<0.1	2.0	2	12.2
3572476	Drill Core	<0.5	2.9	207	0.2	13.9	2	78.2
3572477	Drill Core	<0.5	3.1	234	0.1	13.4	3	68.7
3572478	Drill Core	<0.5	2.4	54	0.5	10.6	3	67.6
3572479	Drill Core	<0.5	2.8	69	0.9	12.2	6	78.3
3572480	Rock Pulp	<0.5	1.0	151	1.2	20.1	107	115.1
3572481	Drill Core	<0.5	2.5	75	2.6	12.2	7	68.2
3572482	Drill Core	<0.5	3.0	81	1.3	14.9	6	79.6

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BUREAU VERITAS MINERAL LABORATORIES Canada

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Bureau Veritas Commodities Canada Ltd.

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

CERTIFICATE OF ANALYSIS TIM19002912.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3572483	Drill Core	3.09	<0.005	<0.1	6.89	3	464	3	<0.1	7.92	<0.1	55	16.3	79	2.3	3.97	3.2	0.14	0.49	28.5	6.8
3572484	Drill Core	4.47	0.017	<0.1	7.23	4	92	2	<0.1	4.40	<0.1	40	13.3	89	5.5	4.10	3.7	0.10	0.40	16.0	14.4
3572485	Drill Core	4.44	0.007	<0.1	6.25	2	131	1	<0.1	10.43	<0.1	53	13.1	67	4.8	3.38	3.2	0.11	0.25	25.2	6.1
3572486	Drill Core	4.45	0.027	<0.1	5.95	3	117	2	<0.1	10.21	<0.1	37	13.0	63	3.6	3.36	3.0	0.12	0.29	17.2	10.6
3572487	Drill Core	5.43	<0.005	<0.1	5.20	2	371	1	<0.1	14.88	<0.1	49	13.2	63	2.7	3.12	2.4	0.10	0.79	25.3	7.7
3572488	Drill Core	5.53	<0.005	<0.1	4.33	6	574	1	<0.1	18.49	<0.1	44	16.8	51	9.6	2.57	2.0	0.06	1.29	24.9	11.5
3572489	Drill Core	5.60	0.017	<0.1	5.58	5	278	1	<0.1	13.76	<0.1	46	16.0	65	4.5	3.20	2.8	0.12	0.66	22.9	11.0
3572490	Drill Core	5.27	<0.005	<0.1	5.19	2	451	2	<0.1	16.13	<0.1	40	15.3	62	6.6	3.15	2.5	0.07	1.23	20.7	9.8
3572491	Drill Core	5.11	<0.005	<0.1	3.53	<1	549	1	<0.1	21.32	<0.1	37	11.4	43	11.5	1.94	1.8	<0.05	1.49	20.4	13.9
3572492	Drill Core	4.96	0.052	<0.1	3.12	3	382	<1	<0.1	24.09	<0.1	32	8.6	32	14.4	1.44	1.7	<0.05	0.92	18.3	6.2
3572493	Drill Core	5.12	0.009	<0.1	4.41	8	553	2	<0.1	18.71	<0.1	63	13.1	47	13.5	2.76	2.2	<0.05	1.48	37.6	16.6
3572494	Drill Core	4.76	<0.005	0.1	3.61	8	511	<1	0.1	16.85	<0.1	47	12.0	39	12.8	2.15	1.7	0.06	1.44	28.1	27.9
3572495	Drill Core	4.44	0.392	<0.1	4.13	16	675	2	0.1	17.31	<0.1	43	15.3	43	22.6	2.56	2.0	0.08	1.92	24.2	24.4
3572496	Drill Core	4.94	0.121	<0.1	2.78	7	372	<1	0.2	23.56	<0.1	32	9.0	25	29.4	1.62	1.6	<0.05	1.33	17.6	19.5
3572497	Drill Core	4.65	0.095	<0.1	2.18	30	246	<1	<0.1	27.72	<0.1	26	6.2	26	26.4	0.99	1.2	<0.05	0.47	13.6	5.4
3572498	Rock Pulp	0.07	0.517	0.2	7.16	5	144	<1	<0.1	6.63	0.1	10	43.2	164	153.4	7.85	1.5	0.07	0.18	3.9	11.9
3572499	Drill Core	5.07	0.011	<0.1	2.60	41	295	1	0.1	26.39	<0.1	27	17.5	32	15.5	1.62	1.4	<0.05	0.66	14.6	6.8
3572500	Silica	0.21	<0.005	<0.1	9.87	1	20	<1	<0.1	0.43	<0.1	2	<0.2	2	0.7	0.23	0.2	<0.05	2.54	1.1	23.5
3572501	Drill Core	5.18	0.022	<0.1	2.25	33	275	<1	0.4	27.51	<0.1	31	10.8	24	13.6	1.10	1.2	<0.05	0.61	16.6	4.7
3572502	Drill Core	5.15	0.026	<0.1	3.39	23	468	1	0.6	24.43	<0.1	36	11.1	41	17.4	1.92	1.7	<0.05	1.00	18.5	9.9
3572503	Drill Core	5.09	0.008	<0.1	2.51	3	248	<1	0.2	26.59	<0.1	29	5.4	30	14.8	1.31	1.3	<0.05	0.57	14.8	7.2
3572504	Drill Core	5.49	0.109	<0.1	2.67	47	257	1	0.5	26.50	<0.1	30	10.4	33	13.5	1.67	1.4	0.06	0.76	16.1	13.5

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

CERTIFICATE OF ANALYSIS TIM19002912.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3572483	Drill Core	2.15	272	0.3	4.315	9.0	60.7	0.043	3.3	7.1	<0.005	<0.1	1.9	16	<1	2.4	161	0.7	0.6	13.6	0.332
3572484	Drill Core	1.70	178	0.5	5.524	9.3	60.1	0.047	2.6	30.3	<0.005	<0.1	0.7	14	<1	2.4	77	0.7	<0.5	11.9	0.333
3572485	Drill Core	1.67	257	0.1	4.566	8.1	52.1	0.041	2.7	6.5	<0.005	<0.1	0.8	12	<1	1.9	124	0.7	2.4	11.6	0.284
3572486	Drill Core	1.79	273	0.2	4.350	7.8	47.5	0.038	2.6	4.6	<0.005	<0.1	0.6	12	<1	1.9	108	0.6	0.9	9.9	0.259
3572487	Drill Core	1.56	375	0.3	2.684	6.4	47.1	0.033	2.9	18.1	<0.005	<0.1	1.1	11	<1	1.6	182	0.5	2.1	9.1	0.238
3572488	Drill Core	1.42	433	0.4	1.950	5.4	42.5	0.027	2.7	35.1	<0.005	<0.1	0.6	9	1	1.4	191	0.4	1.6	8.2	0.205
3572489	Drill Core	1.69	392	0.3	3.397	6.8	49.2	0.035	2.9	15.4	<0.005	<0.1	1.0	12	<1	1.9	184	0.6	1.0	9.6	0.258
3572490	Drill Core	1.46	458	0.4	2.663	6.8	51.4	0.034	3.3	49.7	<0.005	<0.1	1.2	12	<1	1.7	213	0.5	3.3	8.6	0.248
3572491	Drill Core	1.05	559	0.4	1.598	4.4	30.9	0.023	4.6	64.5	<0.005	<0.1	0.7	8	<1	1.1	197	0.4	1.4	6.0	0.174
3572492	Drill Core	0.77	586	0.3	1.687	4.2	22.4	0.021	5.2	30.1	<0.005	<0.1	0.4	6	<1	0.9	190	0.3	2.7	5.3	0.142
3572493	Drill Core	1.67	535	0.5	1.836	5.7	40.8	0.030	6.3	44.5	<0.005	<0.1	0.8	11	<1	1.5	207	0.5	0.9	8.3	0.227
3572494	Drill Core	3.63	1087	0.8	0.833	4.3	31.8	0.023	5.2	43.4	<0.005	<0.1	0.7	8	<1	1.2	150	0.4	3.1	6.4	0.166
3572495	Drill Core	2.65	705	0.7	1.449	5.6	41.6	0.027	4.2	47.0	0.006	0.1	1.0	9	<1	1.4	183	0.5	1.1	7.7	0.197
3572496	Drill Core	1.79	738	1.3	0.817	3.4	24.8	0.021	2.4	25.4	<0.005	<0.1	0.4	6	<1	1.0	185	0.3	2.8	5.0	0.126
3572497	Drill Core	0.52	778	0.3	1.246	3.1	13.7	0.016	3.9	12.1	<0.005	<0.1	0.3	5	<1	0.5	199	0.2	3.7	4.1	0.105
3572498	Rock Pulp	4.14	1415	0.6	2.277	3.4	94.3	0.042	3.0	3.4	<0.005	0.1	0.5	43	<1	0.7	116	0.2	0.9	0.4	0.679
3572499	Drill Core	0.79	725	0.5	1.150	3.5	26.2	0.019	5.1	16.9	<0.005	<0.1	0.6	6	<1	0.8	222	0.3	3.1	4.6	0.122
3572500	Silica	0.03	40	0.2	7.962	0.1	0.4	<0.001	5.3	65.2	<0.005	<0.1	<0.1	<1	<1	<0.1	34	<0.1	<0.5	0.2	0.001
3572501	Drill Core	0.54	927	0.4	0.989	3.1	16.4	0.015	2.7	13.8	<0.005	<0.1	0.6	5	<1	0.6	213	0.2	2.7	3.9	0.101
3572502	Drill Core	0.93	896	0.5	1.383	4.6	28.8	0.023	3.9	21.5	<0.005	<0.1	1.0	7	<1	1.2	220	0.4	3.9	5.9	0.157
3572503	Drill Core	0.62	713	0.4	1.236	3.6	17.1	0.019	2.8	20.4	<0.005	<0.1	0.5	5	<1	0.7	201	0.3	1.8	4.7	0.117
3572504	Drill Core	0.78	643	0.5	0.998	3.8	21.3	0.021	3.6	45.7	<0.005	<0.1	0.7	6	<1	0.8	190	0.3	1.5	5.1	0.125

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	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3572483	Drill Core	<0.5	3.9	99	0.9	19.0	7	110.7
3572484	Drill Core	<0.5	4.3	97	0.6	17.8	6	123.6
3572485	Drill Core	<0.5	4.0	85	0.7	18.3	7	104.8
3572486	Drill Core	<0.5	3.6	76	0.7	17.0	5	103.9
3572487	Drill Core	<0.5	3.3	78	0.7	15.4	6	81.0
3572488	Drill Core	<0.5	3.2	65	0.9	12.5	6	68.6
3572489	Drill Core	<0.5	3.8	80	1.0	14.7	9	94.6
3572490	Drill Core	<0.5	3.4	79	1.7	14.0	10	83.1
3572491	Drill Core	<0.5	2.5	51	0.9	10.9	6	64.0
3572492	Drill Core	<0.5	2.2	41	0.6	9.0	5	61.7
3572493	Drill Core	<0.5	2.8	70	1.4	13.4	8	72.6
3572494	Drill Core	<0.5	2.4	50	1.0	15.4	4	59.9
3572495	Drill Core	<0.5	3.1	59	1.4	12.5	6	71.9
3572496	Drill Core	<0.5	2.0	38	0.9	10.5	4	48.3
3572497	Drill Core	<0.5	1.8	29	0.6	7.1	6	40.9
3572498	Rock Pulp	<0.5	0.1	308	1.0	20.2	90	53.3
3572499	Drill Core	<0.5	2.1	35	0.8	8.2	9	48.5
3572500	Silica	0.6	0.1	<1	<0.1	2.0	3	11.1
3572501	Drill Core	<0.5	1.9	29	0.7	9.1	6	38.2
3572502	Drill Core	<0.5	2.3	47	1.1	11.1	10	58.0
3572503	Drill Core	<0.5	2.0	32	0.9	8.8	9	47.6
3572504	Drill Core	<0.5	2.2	36	1.0	9.0	10	58.5

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Project: SPJ
Report Date: January 29, 2020

QUALITY CONTROL REPORT TIM19002912.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
Pulp Duplicates																					
3572464	Drill Core	3.90	0.009	<0.1	7.50	15	240	2	0.2	4.97	<0.1	149	29.3	162	8.4	3.38	3.8	<0.05	1.07	94.1	11.4
REP 3572464	QC		0.009																		
3572475	Silica	0.21	<0.005	<0.1	9.10	1	19	<1	<0.1	0.32	<0.1	2	<0.2	2	0.9	0.26	0.2	<0.05	2.59	1.2	22.7
REP 3572475	QC			<0.1	9.40	1	18	<1	<0.1	0.33	<0.1	3	0.2	2	0.9	0.27	0.3	<0.05	2.78	1.4	24.1
Core Reject Duplicates																					
3572444	Drill Core	4.83	<0.005	<0.1	3.38	13	442	1	0.2	25.43	<0.1	40	14.8	41	13.8	2.23	1.8	<0.05	1.00	21.0	20.6
DUP 3572444	QC		<0.005	<0.1	3.37	12	445	1	0.1	25.26	<0.1	39	13.3	41	12.9	2.24	1.8	0.05	0.97	20.8	21.2
3572478	Drill Core	4.88	<0.005	<0.1	3.67	1	26	<1	<0.1	19.92	<0.1	41	8.3	44	3.0	2.18	1.9	0.08	0.10	25.6	2.7
DUP 3572478	QC		<0.005	<0.1	3.63	3	26	<1	<0.1	19.79	<0.1	41	8.9	43	2.7	2.20	2.0	0.06	0.10	24.8	2.7
Reference Materials																					
STD OREAS25A-4A	Standard			<0.1	8.48	10	152	<1	0.3	0.27	<0.1	48	8.1	121	34.7	6.71	4.1	0.08	0.50	22.6	36.4
STD OREAS25A-4A	Standard			<0.1	7.86	8	143	1	0.4	0.24	<0.1	45	7.3	107	34.6	6.12	3.9	0.13	0.46	22.8	33.4
STD OREAS25A-4A	Standard			<0.1	8.76	9	155	1	0.4	0.28	<0.1	50	8.0	114	36.1	6.30	4.2	0.10	0.48	22.8	39.5
STD OREAS25A-4A	Standard			<0.1	8.98	9	147	1	0.4	0.29	<0.1	48	8.0	119	36.2	6.55	4.2	0.08	0.47	23.6	33.9
STD OREAS45E	Standard			0.3	6.57	16	246	<1	0.4	0.06	<0.1	24	57.6	987	777.8	23.48	2.8	0.08	0.34	11.7	6.5
STD OREAS45E	Standard			0.3	6.92	17	260	<1	0.3	0.07	<0.1	25	56.7	984	796.5	24.84	3.0	0.11	0.35	12.3	6.2
STD OREAS45H	Standard			0.1	8.46	18	335	<1	0.2	0.14	<0.1	24	88.1	638	801.5	19.36	3.3	0.08	0.20	13.9	13.3
STD OREAS45E	Standard			0.3	6.77	15	245	<1	0.3	0.06	<0.1	25	60.1	989	786.0	25.74	2.9	0.09	0.33	12.3	5.6
STD OXC145	Standard		0.209																		
STD OXC145	Standard		0.199																		
STD OXC145	Standard		0.203																		
STD OXH139	Standard		1.324																		
STD OXH139	Standard		1.330																		
STD OXH139	Standard		1.244																		
STD OXH139	Standard		1.254																		
STD OXN134	Standard		7.516																		
STD OXN134	Standard		7.617																		
STD OXN134	Standard		7.450																		

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BUREAU VERITAS
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Canada

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

QUALITY CONTROL REPORT TIM19002912.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
Pulp Duplicates																					
3572464	Drill Core	2.27	336	0.2	5.138	6.1	74.5	0.080	1.9	80.4	<0.005	0.5	0.3	12	<1	2.6	87	0.5	0.7	11.1	0.269
REP 3572464	QC																				
3572475	Silica	0.04	42	0.1	7.917	0.2	0.6	<0.001	5.5	75.3	<0.005	<0.1	0.2	<1	<1	<0.1	35	<0.1	<0.5	0.2	0.002
REP 3572475	QC	0.04	42	0.2	7.721	0.1	0.8	<0.001	5.4	72.9	<0.005	<0.1	0.2	<1	<1	0.1	34	<0.1	<0.5	0.2	0.002
Core Reject Duplicates																					
3572444	Drill Core	1.30	565	0.9	1.445	4.9	32.9	0.024	3.4	68.7	<0.005	<0.1	0.5	8	<1	1.1	265	0.4	4.3	6.1	0.169
DUP 3572444	QC	1.31	567	1.0	1.426	4.9	33.1	0.022	3.4	72.3	<0.005	<0.1	0.5	7	<1	1.2	260	0.4	2.5	6.4	0.165
3572478	Drill Core	0.90	382	0.2	2.687	4.8	27.8	0.025	1.4	1.0	<0.005	<0.1	0.4	8	<1	1.3	165	0.4	3.9	6.5	0.176
DUP 3572478	QC	0.92	385	0.3	2.652	4.7	28.6	0.026	1.4	1.0	<0.005	<0.1	0.4	7	<1	1.3	165	0.4	1.2	7.2	0.176
Reference Materials																					
STD OREAS25A-4A	Standard	0.36	477	2.2	0.122	19.0	45.4	0.048	24.9	60.7	<0.005	<0.1	0.6	13	2	4.1	47	1.4	<0.5	15.9	0.911
STD OREAS25A-4A	Standard	0.33	449	2.1	0.108	17.9	43.4	0.045	24.9	58.4	<0.005	<0.1	0.6	13	2	4.0	48	1.3	<0.5	16.7	0.830
STD OREAS25A-4A	Standard	0.36	479	2.2	0.119	18.4	45.4	0.048	26.0	61.2	<0.005	<0.1	0.7	12	2	4.3	48	1.3	<0.5	16.5	0.857
STD OREAS25A-4A	Standard	0.37	486	2.4	0.121	19.2	47.1	0.048	25.2	60.7	<0.005	<0.1	0.6	12	3	4.1	49	1.4	<0.5	16.1	0.920
STD OREAS45E	Standard	0.16	531	2.2	0.054	5.9	463.6	0.033	18.3	21.1	<0.005	<0.1	0.9	89	2	1.4	17	0.5	<0.5	13.4	0.514
STD OREAS45E	Standard	0.17	545	2.1	0.055	6.1	467.7	0.033	19.1	22.7	<0.005	<0.1	1.0	95	2	1.4	17	0.5	<0.5	14.0	0.540
STD OREAS45H	Standard	0.27	417	1.5	0.085	13.6	461.1	0.021	13.0	24.0	<0.005	<0.1	0.6	57	2	2.1	28	0.9	<0.5	8.0	0.911
STD OREAS45E	Standard	0.17	551	2.3	0.055	6.2	469.0	0.030	18.5	21.7	<0.005	<0.1	1.2	89	2	1.3	18	0.5	<0.5	12.9	0.542
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

QUALITY CONTROL REPORT TIM19002912.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
Pulp Duplicates								
3572464	Drill Core	<0.5	5.4	199	1.6	13.5	5	128.4
REP 3572464	QC							
3572475	Silica	0.7	0.2	<1	<0.1	2.0	2	12.2
REP 3572475	QC	0.7	0.2	<1	<0.1	2.0	2	13.3
Core Reject Duplicates								
3572444	Drill Core	<0.5	2.4	49	0.8	10.9	12	60.9
DUP 3572444	QC	<0.5	2.5	49	0.8	11.6	12	61.1
3572478	Drill Core	<0.5	2.4	54	0.5	10.6	3	67.6
DUP 3572478	QC	<0.5	2.6	55	0.5	10.4	3	68.1
Reference Materials								
STD OREAS25A-4A	Standard	<0.5	3.0	160	1.9	10.0	47	145.9
STD OREAS25A-4A	Standard	<0.5	2.8	139	1.9	9.6	44	138.5
STD OREAS25A-4A	Standard	<0.5	3.0	150	1.8	10.5	46	145.1
STD OREAS25A-4A	Standard	<0.5	2.8	159	1.8	10.8	48	150.9
STD OREAS45E	Standard	<0.5	2.6	323	1.0	8.3	47	93.3
STD OREAS45E	Standard	<0.5	2.6	324	1.1	8.0	53	97.2
STD OREAS45H	Standard	<0.5	1.8	278	0.9	9.9	43	125.9
STD OREAS45E	Standard	<0.5	2.4	322	1.0	8.4	49	92.9
STD OXC145	Standard							
STD OXC145	Standard							
STD OXC145	Standard							
STD OXH139	Standard							
STD OXH139	Standard							
STD OXH139	Standard							
STD OXH139	Standard							
STD OXN134	Standard							
STD OXN134	Standard							
STD OXN134	Standard							

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

QUALITY CONTROL REPORT TIM19002912.1

		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
STD OXN134	Standard		7.236																		
STD OREAS45H Expected				0.147	7.99	16.9	332	1.09	0.17	0.135		23.6	88	602	767	19.52	3.6	0.1	0.205	12.4	13.1
STD OREAS25A-4A Expected					8.87	9.94	147	0.93	0.37	0.301		47.3	7.7	115	33.9	6.6	4.14	0.09	0.482	21.8	36.7
STD OREAS45E Expected				0.311	6.78	16.3	252		0.28	0.065	0.06	23.5	57	979	780	24.12	3.11	0.099	0.324	11	6.58
STD OXC145 Expected			0.212																		
STD OXN134 Expected			7.667																		
STD OXH139 Expected			1.312																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
Prep Wash																					
ROCK-TIM	Prep Blank		<0.005	<0.1	6.84	2	776	<1	<0.1	1.51	<0.1	26	5.1	6	4.1	2.28	1.7	<0.05	1.62	13.5	2.4
ROCK-TIM	Prep Blank		<0.005	<0.1	6.65	2	795	1	<0.1	1.55	<0.1	24	4.9	8	4.0	2.27	1.7	<0.05	1.66	12.1	2.3

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BUREAU VERITAS
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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

QUALITY CONTROL REPORT TIM19002912.1

		MA200 Mg % 0.01	MA200 Mn ppm 1	MA200 Mo ppm 0.1	MA200 Na % 0.001	MA200 Nb ppm 0.1	MA200 Ni ppm 0.1	MA200 P % 0.001	MA200 Pb ppm 0.1	MA200 Rb ppm 0.1	MA200 Re ppm 0.005	MA200 S % 0.1	MA200 Sb ppm 0.1	MA200 Sc ppm 1	MA200 Se ppm 1	MA200 Sn ppm 0.1	MA200 Sr ppm 1	MA200 Ta ppm 0.1	MA200 Te ppm 0.5	MA200 Th ppm 0.1	MA200 Ti % 0.001
STD OXN134	Standard																				
STD OREAS45H Expected		0.238	380	1.55	0.09	14.8	423	0.023	11.9	22.5			0.63	57	2.02	1.93	27.1	1.08		7.26	0.878
STD OREAS25A-4A Expected		0.327	480	2.41	0.131	20.9	45.8	0.048	25.2	61		0.047	0.65	13.7	2.4	4.06	48.5	1.4		15.8	0.93
STD OREAS45E Expected		0.156	570	2.4	0.059	6.8	454	0.034	18.2	21.2		0.046	1	93	2.97	1.32	15.9	0.54	0.1	12.9	0.559
STD OXC145 Expected																					
STD OXN134 Expected																					
STD OXH139 Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<1	<0.1	0.001	<0.1	<0.1	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.002	<0.1	0.1	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.002	<0.1	0.1	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.002	<0.1	0.2	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-TIM	Prep Blank	0.60	678	1.0	3.575	5.3	1.3	0.043	2.4	29.3	<0.005	<0.1	<0.1	8	<1	0.8	195	0.4	<0.5	2.8	0.222
ROCK-TIM	Prep Blank	0.66	683	0.9	3.447	5.6	3.1	0.045	2.5	31.7	<0.005	<0.1	<0.1	9	<1	0.8	199	0.4	<0.5	2.9	0.224

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

QUALITY CONTROL REPORT TIM19002912.1

		MA200 Tl ppm 0.5	MA200 U ppm 0.1	MA200 V ppm 1	MA200 W ppm 0.1	MA200 Y ppm 0.1	MA200 Zn ppm 1	MA200 Zr ppm 0.1
STD OXN134	Standard							
STD OREAS45H Expected			1.68	263	0.99	10.4	39.7	131
STD OREAS25A-4A Expected		0.35	2.94	157	2	10.5	44.4	155
STD OREAS45E Expected		0.15	2.41	322	1.07	8.28	46.7	97
STD OXC145 Expected								
STD OXN134 Expected								
STD OXH139 Expected								
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
Prep Wash								
ROCK-TIM	Prep Blank	<0.5	1.3	42	0.3	16.1	35	47.8
ROCK-TIM	Prep Blank	<0.5	1.3	41	0.2	16.4	38	51.4

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By:	Quentin Yarie
Receiving Lab:	Canada-Timmins
Received:	December 19, 2019
Analysis Start:	January 22, 2020
Report Date:	January 29, 2020
Page:	1 of 4

CERTIFICATE OF ANALYSIS TIM19002913.1

CLIENT JOB INFORMATION

Project:	SPJ
Shipment ID:	
P.O. Number	
Number of Samples:	88

SAMPLE DISPOSAL

RTRN-PLP	Return After 90 days
RTRN-RJT	Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP85-500	84	Crush split and pulverize 250g of sample to 200mesh			TIM
SHP01	88	Per sample shipping charges for branch shipments			TIM
SLBHP	4	Sort, label and box pulps			TIM
FA450	88	50g Lead Collection Fire Assay Fusion - AAS Finish	50	Completed	TIM
EN002	88	Environmental disposal charge-Fire assay lead waste			TIM
MA200	88	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
EN001-MA	88	Environmental disposal fee - Multi-acid neutralization			VAN

ADDITIONAL COMMENTS

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC:

MAY LAI
Data Validation Specialist

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All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

CERTIFICATE OF ANALYSIS TIM19002913.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3572505	Drill Core	4.59	0.012	<0.1	1.58	10	124	<1	0.2	31.19	<0.1	25	6.2	20	12.4	0.75	1.0	<0.05	0.43	13.4	9.5
3572506	Drill Core	5.13	0.036	<0.1	3.10	41	246	<1	0.3	26.74	<0.1	29	8.3	39	17.9	1.53	1.6	<0.05	0.78	15.5	21.2
3572507	Drill Core	5.13	0.025	<0.1	2.33	11	179	<1	0.2	28.66	<0.1	25	6.3	27	16.8	1.29	1.4	<0.05	0.70	14.0	19.2
3572508	Drill Core	4.97	0.020	<0.1	2.55	14	184	<1	0.2	27.30	<0.1	28	6.4	30	13.8	1.56	1.2	<0.05	0.82	15.6	24.7
3572509	Drill Core	4.91	0.016	<0.1	3.00	12	209	<1	0.2	25.02	<0.1	28	6.8	38	6.2	1.66	1.6	<0.05	0.95	14.5	28.7
3572510	Drill Core	4.27	0.012	0.1	2.20	33	199	<1	0.1	15.06	0.6	29	7.1	18	12.9	1.76	1.2	<0.05	2.50	15.4	22.8
3572511	Drill Core	4.25	<0.005	0.1	2.75	16	322	<1	0.1	21.53	0.2	49	8.7	22	18.9	1.66	1.4	<0.05	2.14	27.6	42.6
3572512	Drill Core	4.83	0.008	<0.1	2.81	10	257	<1	0.2	25.90	0.6	51	7.2	29	14.2	1.61	1.3	<0.05	1.58	27.8	42.8
3572513	Drill Core	4.85	0.013	<0.1	2.96	11	251	<1	0.1	25.10	0.4	21	7.2	33	9.4	1.81	1.9	<0.05	0.94	11.7	32.0
3572514	Drill Core	2.63	<0.005	<0.1	3.59	8	225	<1	<0.1	12.95	0.6	75	9.9	35	22.1	2.13	2.0	<0.05	4.15	40.9	42.9
3572515	Drill Core	2.93	0.007	0.1	3.08	17	430	<1	<0.1	13.12	1.3	267	7.6	34	33.2	2.13	1.8	0.05	3.80	141.6	29.7
3572516	Drill Core	2.23	0.006	0.1	3.16	33	294	<1	0.2	14.86	0.2	221	10.4	33	24.5	2.33	1.8	<0.05	3.51	115.7	41.7
3572517	Drill Core	5.15	0.015	<0.1	2.93	13	338	<1	0.2	26.39	0.3	33	8.4	33	24.0	1.85	1.8	<0.05	0.73	18.1	19.5
3572518	Drill Core	5.72	<0.005	<0.1	2.62	9	383	<1	0.2	27.53	<0.1	33	5.8	28	11.8	1.50	1.4	<0.05	0.65	17.5	17.8
3572519	Drill Core	5.23	<0.005	<0.1	2.77	10	996	1	0.2	26.97	<0.1	38	4.9	28	16.4	1.39	1.7	<0.05	0.69	19.9	14.3
3572520	Rock Pulp	0.07	5.363	1.0	6.43	23	224	<1	0.3	5.37	0.3	12	41.2	279	136.8	7.22	1.4	0.05	0.46	5.5	19.1
3572521	Drill Core	5.66	0.005	<0.1	2.06	16	292	<1	0.1	30.34	<0.1	33	6.7	20	9.8	1.36	1.1	<0.05	0.51	17.9	10.2
3572522	Drill Core	5.31	0.007	<0.1	2.82	17	185	<1	0.2	28.53	<0.1	34	7.5	33	10.2	1.62	1.4	0.06	0.46	18.6	11.3
3572523	Drill Core	5.47	<0.005	<0.1	2.28	9	202	<1	0.1	29.08	<0.1	36	7.7	27	9.7	1.11	1.2	0.05	0.43	19.7	8.3
3572524	Drill Core	5.82	0.008	<0.1	2.67	8	224	<1	0.2	27.94	<0.1	30	10.6	35	10.9	1.65	1.7	<0.05	0.52	16.9	12.0
3572525	Silica	0.21	<0.005	<0.1	8.08	<1	20	<1	<0.1	0.28	<0.1	1	<0.2	2	1.3	0.17	0.2	<0.05	3.79	0.5	23.3
3572526	Drill Core	5.53	0.007	<0.1	2.86	5	219	<1	0.2	27.18	<0.1	29	6.7	38	12.5	1.88	1.5	0.06	0.44	15.4	12.5
3572527	Drill Core	5.54	<0.005	<0.1	2.67	9	336	1	0.2	27.99	<0.1	29	7.5	33	11.2	1.69	1.5	0.05	0.59	14.9	14.9
3572528	Drill Core	6.77	<0.005	<0.1	7.74	1	593	2	<0.1	6.05	<0.1	52	52.2	41	61.6	11.89	5.2	0.13	0.98	22.5	10.6
3572529	Drill Core	4.89	<0.005	<0.1	8.38	1	452	1	<0.1	5.67	0.2	40	61.0	45	52.3	10.85	3.7	0.09	0.92	16.8	20.1
3572530	Drill Core	6.33	<0.005	<0.1	8.30	<1	528	<1	<0.1	5.70	<0.1	42	57.5	48	47.5	10.80	4.4	0.09	0.94	18.1	19.9
3572531	Drill Core	3.93	<0.005	<0.1	7.54	4	297	1	<0.1	2.14	<0.1	27	27.7	54	20.6	4.78	2.9	<0.05	0.51	12.1	16.0
3572532	Drill Core	3.54	<0.005	<0.1	8.02	4	437	1	<0.1	4.52	<0.1	41	48.2	53	35.0	8.40	3.9	0.05	0.68	18.5	16.6
3572533	Drill Core	5.02	<0.005	<0.1	8.28	3	722	1	<0.1	5.38	0.1	38	59.8	46	41.6	10.30	4.0	0.14	1.00	16.6	27.0
3572534	Drill Core	4.35	<0.005	<0.1	6.41	5	126	2	<0.1	0.71	<0.1	23	7.6	36	3.4	1.59	1.8	<0.05	0.51	11.2	11.1

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

CERTIFICATE OF ANALYSIS TIM19002913.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3572505	Drill Core	0.36	688	0.3	0.791	2.5	9.9	0.012	2.9	24.5	<0.005	<0.1	0.2	3	<1	0.4	167	0.2	4.9	2.9	0.078
3572506	Drill Core	0.78	624	0.6	1.306	4.8	21.9	0.022	6.2	44.8	<0.005	<0.1	0.7	6	<1	5.0	186	0.4	2.8	5.6	0.149
3572507	Drill Core	0.63	663	0.6	1.019	3.5	16.5	0.018	13.1	35.2	<0.005	<0.1	0.4	5	<1	10.3	202	0.3	0.9	4.4	0.109
3572508	Drill Core	0.87	669	0.5	0.975	3.9	17.9	0.019	3.5	41.0	<0.005	<0.1	0.3	5	<1	0.8	188	0.3	1.7	4.6	0.122
3572509	Drill Core	0.92	622	0.4	1.103	4.5	20.1	0.019	3.3	44.9	<0.005	<0.1	0.3	6	<1	1.2	179	0.3	3.6	5.4	0.141
3572510	Drill Core	8.62	1648	0.8	0.026	3.1	15.7	0.016	3.3	40.3	<0.005	0.1	0.3	4	<1	0.7	44	0.2	4.9	4.0	0.096
3572511	Drill Core	4.53	1587	0.4	0.174	3.8	19.3	0.017	5.6	54.1	<0.005	0.1	0.4	5	<1	0.8	88	0.3	7.2	5.0	0.117
3572512	Drill Core	1.13	827	0.3	0.636	4.0	17.7	0.018	14.6	48.4	<0.005	0.1	0.3	5	<1	0.8	138	0.3	3.1	5.2	0.123
3572513	Drill Core	1.07	940	0.5	1.110	4.5	16.2	0.019	15.6	35.6	<0.005	<0.1	0.2	6	<1	0.8	131	0.4	3.5	5.7	0.138
3572514	Drill Core	6.57	2517	1.2	0.038	4.9	31.5	0.023	6.3	41.6	<0.005	<0.1	<0.1	9	<1	0.6	31	0.4	2.3	5.9	0.150
3572515	Drill Core	7.20	2806	4.7	0.022	4.3	36.5	0.023	3.0	47.2	<0.005	<0.1	<0.1	8	<1	0.6	25	0.3	5.8	6.2	0.135
3572516	Drill Core	6.27	2528	1.0	0.106	4.8	36.3	0.021	2.5	50.8	<0.005	<0.1	<0.1	7	<1	0.5	42	0.4	2.8	5.8	0.144
3572517	Drill Core	0.92	1396	1.1	1.306	4.7	26.7	0.022	27.1	39.2	<0.005	0.1	0.3	6	<1	1.0	166	0.4	2.3	5.9	0.143
3572518	Drill Core	0.79	1343	0.4	1.124	3.9	15.3	0.017	3.5	37.5	<0.005	<0.1	0.2	5	1	0.8	178	0.3	5.0	4.9	0.123
3572519	Drill Core	0.71	1607	0.4	1.301	4.1	15.3	0.020	3.8	36.6	<0.005	0.1	0.2	5	<1	0.8	173	0.3	3.6	5.3	0.128
3572520	Rock Pulp	4.11	1289	3.0	1.960	3.3	122.3	0.038	18.1	14.5	0.005	0.4	0.5	34	<1	0.6	108	0.2	0.5	1.0	0.611
3572521	Drill Core	0.62	1589	0.3	0.779	2.9	13.7	0.015	3.0	24.4	<0.005	<0.1	0.2	4	<1	0.6	213	0.2	1.4	3.8	0.096
3572522	Drill Core	0.68	1291	0.3	1.210	4.2	20.6	0.021	4.6	27.0	<0.005	<0.1	0.3	6	<1	3.4	244	0.3	4.2	5.1	0.130
3572523	Drill Core	0.43	1249	0.4	1.218	3.5	16.6	0.016	2.6	23.4	<0.005	<0.1	0.1	5	<1	0.7	230	0.3	3.1	4.4	0.111
3572524	Drill Core	0.70	1168	0.4	1.143	4.1	20.2	0.020	3.3	26.8	<0.005	<0.1	0.2	5	<1	0.9	261	0.3	4.4	5.3	0.127
3572525	Silica	0.03	44	0.1	7.603	0.2	0.5	<0.001	5.4	59.7	<0.005	<0.1	0.1	<1	<1	<0.1	30	<0.1	<0.5	0.2	0.001
3572526	Drill Core	0.81	1121	0.4	1.152	4.3	23.0	0.021	3.3	20.0	<0.005	<0.1	0.2	6	<1	1.1	292	0.4	2.5	5.6	0.141
3572527	Drill Core	0.77	1150	0.3	1.003	3.8	22.8	0.020	2.7	25.8	<0.005	<0.1	0.2	6	<1	0.9	284	0.3	4.0	5.0	0.129
3572528	Drill Core	2.88	1871	0.9	2.464	11.7	43.2	0.319	3.9	14.2	<0.005	<0.1	<0.1	32	<1	1.8	414	0.7	0.8	1.0	2.568
3572529	Drill Core	4.22	1653	0.4	2.175	8.1	107.7	0.248	3.5	15.6	<0.005	<0.1	<0.1	26	<1	1.3	437	0.5	0.6	0.7	1.765
3572530	Drill Core	3.82	1600	0.7	2.258	8.9	80.2	0.251	3.9	21.9	<0.005	0.1	<0.1	27	<1	1.3	435	0.6	0.7	0.9	1.959
3572531	Drill Core	2.86	550	0.8	4.290	4.4	43.9	0.129	5.8	8.0	<0.005	<0.1	0.1	15	<1	0.8	288	0.3	0.8	3.3	0.749
3572532	Drill Core	3.29	1191	0.5	3.084	6.9	66.7	0.196	4.9	16.0	<0.005	<0.1	<0.1	20	<1	1.1	376	0.4	0.5	2.7	1.400
3572533	Drill Core	4.02	1542	0.5	2.068	7.6	85.2	0.239	6.8	33.5	<0.005	<0.1	0.2	25	<1	1.4	431	0.5	0.7	0.7	1.836
3572534	Drill Core	1.68	121	0.5	4.983	1.5	20.4	0.042	3.1	9.9	<0.005	0.1	0.2	6	<1	0.5	128	0.2	<0.5	3.7	0.122

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

CERTIFICATE OF ANALYSIS TIM19002913.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3572505	Drill Core	<0.5	1.6	20	0.6	6.5	6	29.4
3572506	Drill Core	<0.5	2.4	41	1.1	10.0	11	56.2
3572507	Drill Core	<0.5	1.9	32	0.6	8.6	20	43.2
3572508	Drill Core	<0.5	2.0	35	0.8	9.3	11	47.9
3572509	Drill Core	<0.5	2.2	41	0.9	9.0	11	54.4
3572510	Drill Core	<0.5	1.8	29	0.6	15.9	75	39.3
3572511	Drill Core	<0.5	2.1	35	0.9	31.9	51	49.5
3572512	Drill Core	<0.5	2.0	37	0.9	13.8	149	49.4
3572513	Drill Core	<0.5	2.2	40	0.9	8.2	93	57.9
3572514	Drill Core	<0.5	2.7	45	1.1	29.5	179	68.5
3572515	Drill Core	<0.5	2.7	45	1.0	69.8	358	62.2
3572516	Drill Core	<0.5	3.0	44	0.9	55.0	85	64.8
3572517	Drill Core	<0.5	2.5	41	0.7	11.3	91	57.8
3572518	Drill Core	<0.5	2.1	35	0.9	10.6	7	49.6
3572519	Drill Core	<0.5	2.1	37	0.7	12.6	11	53.2
3572520	Rock Pulp	<0.5	0.3	267	5.5	18.7	88	46.8
3572521	Drill Core	<0.5	1.8	26	1.1	10.5	6	38.2
3572522	Drill Core	<0.5	2.1	38	1.3	12.8	6	51.7
3572523	Drill Core	<0.5	2.0	31	0.7	11.5	5	43.0
3572524	Drill Core	<0.5	2.2	36	0.8	12.1	7	54.1
3572525	Silica	0.7	0.1	<1	<0.1	1.6	3	9.0
3572526	Drill Core	<0.5	2.2	42	0.8	11.5	7	53.3
3572527	Drill Core	<0.5	2.1	37	0.9	9.7	7	47.8
3572528	Drill Core	<0.5	0.3	391	0.2	43.4	174	190.7
3572529	Drill Core	<0.5	0.2	274	<0.1	30.4	137	145.1
3572530	Drill Core	<0.5	0.3	302	0.1	34.0	136	158.6
3572531	Drill Core	<0.5	0.8	140	0.5	14.7	49	109.2
3572532	Drill Core	<0.5	0.6	223	0.3	27.7	105	141.9
3572533	Drill Core	<0.5	0.3	285	0.3	31.3	129	147.1
3572534	Drill Core	<0.5	1.0	44	0.6	5.7	6	57.2

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Toronto Ontario M5J 1H8 Canada

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CERTIFICATE OF ANALYSIS TIM19002913.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3572535	Drill Core	4.50	<0.005	<0.1	6.43	2	78	2	<0.1	2.63	<0.1	32	3.1	34	4.2	1.28	1.6	<0.05	0.22	17.1	8.9
3572536	Drill Core	4.36	<0.005	<0.1	6.46	11	90	2	<0.1	2.30	<0.1	30	9.5	43	22.4	1.06	2.3	<0.05	0.21	14.3	4.2
3572537	Drill Core	5.02	<0.005	<0.1	6.71	39	143	1	<0.1	1.57	<0.1	47	48.1	51	58.2	1.35	2.5	<0.05	0.48	23.5	5.0
3572538	Drill Core	4.76	<0.005	<0.1	6.18	32	93	1	0.1	2.12	<0.1	54	40.3	34	23.5	1.04	2.5	<0.05	0.23	26.6	3.9
3572539	Drill Core	5.66	0.009	<0.1	5.65	23	106	2	0.1	1.27	<0.1	36	34.9	30	26.2	1.01	1.8	<0.05	0.40	17.2	4.9
3572540	Rock Pulp	0.07	1.539	0.2	6.93	771	330	<1	<0.1	5.57	<0.1	37	45.8	190	81.2	8.30	2.9	0.05	0.64	19.6	8.0
3572541	Drill Core	4.69	<0.005	<0.1	5.91	14	68	2	<0.1	1.51	<0.1	26	17.9	30	7.7	0.85	1.8	<0.05	0.34	12.4	6.9
3572542	Drill Core	4.98	<0.005	<0.1	6.18	16	92	1	<0.1	1.50	<0.1	25	20.4	42	4.2	0.88	2.4	<0.05	0.34	12.0	6.3
3572543	Drill Core	4.57	0.010	<0.1	7.09	35	154	3	0.1	1.94	<0.1	33	70.7	68	32.3	1.60	3.7	<0.05	0.81	16.4	8.6
3572544	Drill Core	5.14	0.010	<0.1	7.16	53	119	3	0.1	2.25	<0.1	32	80.7	67	31.0	1.81	3.7	<0.05	0.63	16.1	13.9
3572545	Drill Core	5.30	<0.005	<0.1	7.92	36	147	2	<0.1	2.86	<0.1	41	54.0	71	13.7	1.76	3.8	<0.05	0.88	20.5	13.1
3572546	Drill Core	4.89	<0.005	<0.1	6.93	18	166	2	<0.1	2.95	<0.1	44	44.7	80	20.4	2.03	3.3	<0.05	0.95	18.6	11.4
3572547	Drill Core	4.65	<0.005	<0.1	7.59	35	120	3	0.2	2.86	<0.1	43	83.9	59	4.4	1.58	3.3	<0.05	0.62	20.3	12.7
3572548	Drill Core	4.34	<0.005	<0.1	7.79	26	159	2	0.1	2.65	<0.1	42	65.4	67	11.7	1.98	3.4	<0.05	0.95	19.8	12.0
3572549	Drill Core	3.63	<0.005	<0.1	6.44	25	99	2	<0.1	1.65	<0.1	25	40.6	47	7.1	1.28	3.0	<0.05	0.49	11.8	7.8
3572550	Silica	0.20	<0.005	<0.1	10.65	2	17	<1	<0.1	0.17	<0.1	1	<0.2	<1	0.3	0.22	0.1	<0.05	2.88	0.5	22.2
3572551	Drill Core	4.80	0.006	<0.1	6.10	24	73	2	<0.1	2.40	<0.1	31	26.6	39	5.4	1.18	2.4	<0.05	0.30	15.6	8.4
3572552	Drill Core	4.55	<0.005	<0.1	5.98	9	63	2	<0.1	1.06	<0.1	20	13.8	42	2.2	1.19	2.3	<0.05	0.29	9.4	9.2
3572553	Drill Core	4.70	<0.005	<0.1	5.89	10	68	1	<0.1	1.37	<0.1	21	18.5	30	2.6	1.01	1.6	<0.05	0.23	10.0	7.0
3572554	Drill Core	5.47	0.005	<0.1	5.82	12	84	1	<0.1	1.25	<0.1	15	41.1	29	4.6	1.04	1.3	<0.05	0.21	6.9	5.7
3572555	Drill Core	4.28	<0.005	<0.1	6.55	9	115	2	<0.1	2.47	<0.1	32	36.9	53	4.6	1.90	2.5	<0.05	0.56	14.9	14.0
3572556	Drill Core	4.21	<0.005	<0.1	7.02	7	117	2	<0.1	2.81	<0.1	41	33.8	82	5.3	1.99	4.1	<0.05	0.73	18.4	14.6
3572557	Drill Core	4.23	<0.005	<0.1	6.81	5	120	2	<0.1	3.34	<0.1	51	25.3	72	10.0	1.96	2.9	<0.05	0.65	23.3	14.4
3572558	Drill Core	4.50	<0.005	<0.1	7.10	25	113	3	<0.1	3.93	<0.1	56	36.5	76	14.5	1.90	3.3	<0.05	0.74	27.0	12.4
3572559	Drill Core	5.22	0.007	<0.1	6.74	9	146	2	<0.1	3.07	<0.1	43	43.8	74	14.2	2.32	2.7	<0.05	1.07	20.1	12.2
3572560	Rock Pulp	0.07	0.509	0.2	7.02	4	133	<1	<0.1	6.65	0.2	10	50.1	170	153.7	7.80	1.5	0.11	0.18	3.6	11.6
3572561	Drill Core	5.34	<0.005	<0.1	7.21	13	118	2	0.1	3.28	<0.1	38	49.2	71	4.5	1.95	3.1	<0.05	0.96	16.9	10.3
3572562	Drill Core	4.50	<0.005	<0.1	6.78	17	78	2	<0.1	3.12	<0.1	33	30.4	57	5.3	1.50	3.1	<0.05	0.62	14.7	12.6
3572563	Drill Core	4.99	<0.005	<0.1	7.03	4	87	2	<0.1	2.33	<0.1	46	25.4	77	4.7	1.80	3.7	<0.05	0.69	19.4	17.5
3572564	Drill Core	5.56	<0.005	<0.1	6.74	3	79	2	<0.1	3.09	<0.1	39	25.7	61	3.8	1.63	3.6	<0.05	0.49	15.7	13.7

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

CERTIFICATE OF ANALYSIS TIM19002913.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3572535	Drill Core	1.98	167	0.3	4.959	1.4	10.0	0.035	3.6	4.3	<0.005	<0.1	0.3	7	<1	0.6	124	0.1	<0.5	3.4	0.076
3572536	Drill Core	1.75	152	0.5	5.378	2.0	21.4	0.045	5.3	6.2	<0.005	<0.1	0.2	9	<1	0.7	114	0.2	<0.5	5.0	0.095
3572537	Drill Core	1.69	122	0.4	5.140	2.6	22.3	0.044	7.5	21.9	<0.005	0.2	0.2	8	<1	0.8	115	0.3	<0.5	6.1	0.131
3572538	Drill Core	1.41	114	0.5	4.887	2.5	29.6	0.045	8.2	9.4	<0.005	0.1	0.5	6	1	1.0	100	0.2	<0.5	6.4	0.103
3572539	Drill Core	1.23	99	0.3	4.692	1.8	22.9	0.035	8.8	15.2	<0.005	0.1	0.2	5	<1	6.4	102	0.2	<0.5	4.3	0.089
3572540	Rock Pulp	3.91	1886	2.4	2.020	17.8	140.8	0.173	4.8	20.7	<0.005	0.8	2.3	18	2	1.8	346	1.1	1.0	3.5	0.925
3572541	Drill Core	1.01	96	0.5	5.061	1.8	17.3	0.033	4.7	6.2	<0.005	0.1	0.2	5	<1	0.6	75	0.2	<0.5	4.5	0.079
3572542	Drill Core	1.24	91	0.6	5.114	2.4	18.2	0.049	4.0	12.5	<0.005	<0.1	0.3	6	<1	0.6	82	0.2	<0.5	5.6	0.112
3572543	Drill Core	2.06	105	0.2	5.305	3.9	39.7	0.052	3.7	40.6	<0.005	0.4	0.3	11	<1	1.2	84	0.3	0.7	9.5	0.186
3572544	Drill Core	2.24	159	0.3	5.166	4.4	37.6	0.060	4.4	18.1	<0.005	0.3	0.4	11	<1	1.3	88	0.4	0.6	9.0	0.250
3572545	Drill Core	2.67	133	0.2	5.490	4.5	50.6	0.054	4.6	45.2	<0.005	0.3	0.4	14	<1	1.3	81	0.4	<0.5	11.3	0.205
3572546	Drill Core	2.23	119	0.4	4.672	5.1	59.8	0.056	3.2	51.9	<0.005	0.4	0.2	12	1	2.0	81	0.5	0.6	10.5	0.242
3572547	Drill Core	2.55	195	0.3	6.249	3.4	40.6	0.056	4.3	27.9	<0.005	0.3	0.2	14	<1	1.0	73	0.3	<0.5	8.9	0.138
3572548	Drill Core	2.64	132	0.2	6.248	3.7	46.4	0.051	3.1	46.7	<0.005	0.3	0.2	15	1	1.2	85	0.4	0.6	9.5	0.180
3572549	Drill Core	1.59	95	0.2	5.624	2.8	36.3	0.053	2.8	24.5	<0.005	0.2	0.3	8	1	0.9	69	0.3	<0.5	7.1	0.124
3572550	Silica	0.03	35	<0.1	8.822	<0.1	0.3	<0.001	4.7	39.8	<0.005	<0.1	0.1	<1	<1	<0.1	27	<0.1	<0.5	0.1	<0.001
3572551	Drill Core	1.64	162	0.2	5.292	1.8	24.3	0.048	2.2	11.2	<0.005	0.2	0.3	10	<1	0.6	74	0.2	0.6	4.9	0.083
3572552	Drill Core	1.24	90	1.0	5.024	2.3	21.8	0.038	1.5	6.5	<0.005	<0.1	0.2	6	<1	0.5	53	0.2	<0.5	5.2	0.100
3572553	Drill Core	1.11	94	0.4	4.933	1.4	15.2	0.029	1.3	5.0	<0.005	0.1	0.2	6	<1	0.4	61	0.1	<0.5	3.5	0.064
3572554	Drill Core	0.98	87	0.3	4.973	1.3	15.5	0.038	1.6	4.8	<0.005	0.2	0.3	5	<1	0.5	67	0.1	<0.5	2.2	0.067
3572555	Drill Core	2.12	143	0.4	4.607	3.1	34.4	0.043	1.5	22.5	<0.005	0.3	0.2	9	<1	0.9	61	0.3	<0.5	6.3	0.149
3572556	Drill Core	2.14	118	0.5	4.858	5.1	47.4	0.054	1.4	30.8	<0.005	0.2	0.1	12	<1	1.1	72	0.5	<0.5	10.1	0.231
3572557	Drill Core	1.85	118	0.4	4.575	4.6	45.0	0.057	1.6	34.3	<0.005	0.3	0.2	11	2	1.3	82	0.4	0.7	8.1	0.209
3572558	Drill Core	2.50	232	0.3	4.736	4.5	65.9	0.049	1.3	43.4	<0.005	0.2	0.3	16	<1	1.3	75	0.4	0.8	10.2	0.192
3572559	Drill Core	1.92	130	0.5	4.584	3.5	56.9	0.047	1.3	49.5	<0.005	0.4	0.2	11	<1	1.3	60	0.4	<0.5	8.0	0.197
3572560	Rock Pulp	4.24	1417	0.5	2.196	3.3	96.8	0.041	2.8	3.6	<0.005	0.1	0.5	42	<1	0.6	109	0.2	1.2	0.5	0.667
3572561	Drill Core	2.22	199	0.5	5.625	3.5	62.7	0.053	1.1	44.7	<0.005	0.3	0.2	13	1	1.5	53	0.3	<0.5	8.3	0.175
3572562	Drill Core	1.99	240	0.4	5.518	3.3	56.8	0.044	1.2	18.0	<0.005	0.1	0.2	10	<1	1.5	49	0.3	<0.5	6.0	0.147
3572563	Drill Core	2.66	238	0.4	4.705	6.0	49.8	0.057	1.0	32.8	<0.005	0.2	0.2	13	<1	2.6	47	0.6	0.7	11.2	0.248
3572564	Drill Core	2.86	367	0.3	4.625	6.4	48.4	0.042	1.0	25.9	<0.005	0.1	0.2	11	<1	2.8	48	0.6	0.7	8.6	0.261

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Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

CERTIFICATE OF ANALYSIS TIM19002913.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3572535	Drill Core	<0.5	3.1	29	1.2	8.9	9	57.4
3572536	Drill Core	<0.5	1.7	39	1.3	10.9	10	81.0
3572537	Drill Core	<0.5	3.0	55	2.0	12.5	8	80.1
3572538	Drill Core	<0.5	3.6	35	2.0	15.5	7	92.9
3572539	Drill Core	<0.5	2.2	34	1.5	8.9	4	66.1
3572540	Rock Pulp	<0.5	0.9	155	1.1	20.8	110	117.1
3572541	Drill Core	<0.5	1.5	34	2.0	7.0	8	70.1
3572542	Drill Core	<0.5	2.2	46	1.3	8.7	6	91.0
3572543	Drill Core	<0.5	4.4	79	2.2	14.8	4	124.1
3572544	Drill Core	<0.5	4.6	76	3.1	20.0	8	127.9
3572545	Drill Core	<0.5	3.9	80	3.0	23.7	4	133.3
3572546	Drill Core	<0.5	3.2	90	1.3	17.6	4	117.4
3572547	Drill Core	<0.5	3.9	69	3.0	17.7	15	128.6
3572548	Drill Core	<0.5	3.6	83	2.7	14.2	5	133.4
3572549	Drill Core	<0.5	2.5	63	1.1	10.6	5	104.1
3572550	Silica	0.8	<0.1	<1	<0.1	1.2	2	9.1
3572551	Drill Core	<0.5	2.1	46	1.6	10.4	6	92.1
3572552	Drill Core	<0.5	1.7	51	1.3	6.7	2	84.9
3572553	Drill Core	<0.5	1.7	37	1.5	7.3	2	62.5
3572554	Drill Core	<0.5	1.0	32	1.3	5.0	2	45.9
3572555	Drill Core	<0.5	1.9	60	1.5	13.7	3	91.0
3572556	Drill Core	<0.5	2.0	86	1.5	17.9	2	139.6
3572557	Drill Core	<0.5	2.1	74	1.0	15.1	1	103.2
3572558	Drill Core	<0.5	2.8	83	1.0	17.1	2	120.8
3572559	Drill Core	<0.5	2.1	86	0.7	11.2	2	104.1
3572560	Rock Pulp	<0.5	<0.1	304	1.0	20.8	82	47.3
3572561	Drill Core	<0.5	2.6	104	1.1	13.2	2	119.1
3572562	Drill Core	<0.5	1.6	78	1.1	13.2	1	109.3
3572563	Drill Core	<0.5	2.8	90	1.2	19.6	<1	126.8
3572564	Drill Core	<0.5	2.7	80	0.8	17.4	<1	125.4

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Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

CERTIFICATE OF ANALYSIS TIM19002913.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3572565	Drill Core	4.62	<0.005	<0.1	6.78	4	119	2	<0.1	1.96	<0.1	29	35.3	84	6.4	2.14	3.9	<0.05	0.91	11.6	15.8
3572566	Drill Core	4.76	0.015	<0.1	6.78	4	133	3	<0.1	1.37	<0.1	48	30.1	74	6.5	2.17	3.5	<0.05	0.83	21.1	13.4
3572567	Drill Core	4.18	<0.005	<0.1	6.90	8	101	3	<0.1	1.49	<0.1	56	32.7	67	13.2	1.99	4.2	<0.05	0.84	24.6	11.3
3572568	Drill Core	5.63	<0.005	<0.1	6.34	12	78	2	<0.1	1.43	<0.1	33	30.7	62	6.5	1.73	3.6	<0.05	0.58	14.1	12.4
3572569	Drill Core	4.73	<0.005	<0.1	6.60	6	100	2	<0.1	1.11	<0.1	31	42.9	77	3.2	1.85	3.8	0.05	0.86	13.0	9.8
3572570	Drill Core	4.02	<0.005	<0.1	6.92	6	84	2	<0.1	1.64	<0.1	68	32.7	73	3.6	1.75	3.6	<0.05	0.96	31.2	8.5
3572571	Drill Core	5.28	<0.005	<0.1	6.48	5	120	2	<0.1	0.92	<0.1	25	23.3	81	3.0	2.08	4.0	<0.05	1.11	10.4	12.0
3572572	Drill Core	4.65	<0.005	<0.1	7.14	<1	35	1	<0.1	1.71	<0.1	48	6.0	78	1.7	0.99	4.2	<0.05	0.30	19.9	3.5
3572573	Drill Core	5.39	0.005	<0.1	6.41	6	66	1	0.1	1.36	<0.1	26	16.2	99	3.7	1.22	4.0	<0.05	0.44	11.0	4.7
3572574	Drill Core	3.09	<0.005	<0.1	5.34	3	14	<1	<0.1	0.72	<0.1	20	3.6	111	1.4	0.56	4.5	<0.05	0.12	8.0	1.6
3572575	Silica	0.21	<0.005	<0.1	7.65	<1	16	<1	<0.1	0.12	<0.1	<1	<0.2	<1	0.4	0.16	0.2	<0.05	3.86	0.3	24.8
3572576	Drill Core	4.61	0.005	<0.1	6.73	5	118	2	0.1	1.45	<0.1	55	24.1	87	2.8	2.84	3.7	<0.05	0.92	25.3	12.7
3572577	Drill Core	3.96	<0.005	<0.1	5.97	1	209	2	<0.1	0.47	<0.1	67	8.8	113	1.0	4.21	3.6	<0.05	1.36	35.1	13.9
3572578	Drill Core	5.14	<0.005	<0.1	6.52	<1	239	2	<0.1	0.40	<0.1	25	8.0	111	0.9	4.20	3.5	<0.05	1.62	11.9	12.4
3572579	Drill Core	4.65	<0.005	<0.1	6.56	1	164	2	<0.1	0.79	<0.1	21	14.9	98	1.3	4.28	3.8	<0.05	1.06	9.7	12.4
3572580	Rock Pulp	0.07	5.250	0.9	6.19	25	221	<1	0.3	5.28	0.2	12	40.0	275	133.3	7.13	1.5	<0.05	0.47	5.4	18.3
3572581	Drill Core	5.41	0.006	<0.1	7.24	4	167	2	0.1	1.74	<0.1	49	22.4	98	1.8	2.98	3.7	<0.05	1.17	23.5	14.9
3572582	Drill Core	4.81	<0.005	<0.1	6.95	1	225	2	<0.1	1.41	<0.1	58	17.6	108	3.8	4.86	3.7	<0.05	1.35	29.9	15.3
3572583	Drill Core	5.74	<0.005	<0.1	6.65	1	202	2	<0.1	1.43	<0.1	90	19.9	99	2.2	4.41	3.6	<0.05	1.29	47.1	15.0
3572584	Drill Core	6.04	<0.005	<0.1	7.14	7	181	2	<0.1	1.64	<0.1	80	19.6	94	2.0	2.77	3.7	<0.05	1.23	40.9	12.2
3572585	Drill Core	4.76	<0.005	<0.1	6.97	1	122	2	<0.1	1.89	<0.1	37	10.1	77	1.6	1.96	3.1	<0.05	0.83	17.1	10.1
3572586	Drill Core	5.22	<0.005	<0.1	6.61	3	54	2	<0.1	2.29	<0.1	40	5.5	59	2.3	1.23	2.6	<0.05	0.51	17.7	4.5
3572587	Drill Core	5.30	0.007	<0.1	6.40	5	31	1	<0.1	2.36	<0.1	126	4.6	56	3.2	1.10	2.4	<0.05	0.33	57.6	2.7
3572588	Drill Core	5.22	0.018	<0.1	6.18	3	59	2	<0.1	1.17	<0.1	32	9.8	58	1.2	1.59	2.4	<0.05	0.61	15.0	6.7
3572589	Drill Core	4.79	0.018	<0.1	7.23	5	92	1	0.2	1.41	<0.1	34	14.0	93	3.7	2.11	3.4	<0.05	0.87	16.4	11.8
3572590	Drill Core	4.80	<0.005	<0.1	6.32	1	130	2	<0.1	0.90	<0.1	33	6.1	99	0.8	2.41	3.3	<0.05	0.98	16.3	15.5
3572591	Drill Core	4.82	<0.005	<0.1	6.40	5	19	1	<0.1	2.66	<0.1	31	7.1	60	1.4	1.03	3.1	<0.05	0.24	14.8	1.9
3572592	Drill Core	4.60	0.005	<0.1	6.63	2	8	<1	<0.1	2.22	<0.1	54	2.0	56	1.1	0.64	3.7	<0.05	0.12	26.8	1.0

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BUREAU VERITAS MINERAL LABORATORIES Canada

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Bureau Veritas Commodities Canada Ltd.

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

CERTIFICATE OF ANALYSIS TIM19002913.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3572565	Drill Core	2.51	187	0.5	4.801	6.3	54.6	0.060	1.2	32.0	<0.005	0.2	0.1	13	<1	1.5	44	0.6	<0.5	8.7	0.262
3572566	Drill Core	2.33	172	0.8	4.826	3.7	48.0	0.055	1.1	39.9	<0.005	0.2	0.2	11	<1	0.9	54	0.4	<0.5	9.7	0.208
3572567	Drill Core	2.26	139	0.5	5.005	3.8	48.0	0.050	1.1	34.9	<0.005	0.2	0.2	13	<1	1.0	54	0.3	<0.5	10.0	0.199
3572568	Drill Core	2.29	147	0.5	4.730	3.9	42.5	0.048	1.0	20.5	<0.005	0.2	0.2	9	<1	1.1	42	0.4	<0.5	7.9	0.156
3572569	Drill Core	2.15	123	0.6	5.156	2.5	51.8	0.047	1.2	30.4	<0.005	0.2	0.2	11	<1	0.9	51	0.2	<0.5	9.8	0.143
3572570	Drill Core	2.28	130	0.5	5.059	3.5	48.1	0.048	1.2	29.8	<0.005	0.3	0.3	12	<1	1.2	53	0.3	0.5	10.3	0.163
3572571	Drill Core	2.33	111	0.9	4.954	2.5	52.5	0.056	1.0	34.3	<0.005	0.1	0.3	12	<1	1.3	50	0.2	<0.5	9.2	0.163
3572572	Drill Core	1.34	161	0.8	5.977	3.4	12.9	0.050	1.0	5.0	<0.005	<0.1	0.4	6	<1	1.0	41	0.3	<0.5	10.4	0.131
3572573	Drill Core	1.20	144	0.4	6.613	3.4	25.8	0.048	1.0	7.6	<0.005	0.2	0.6	7	<1	1.1	37	0.3	<0.5	8.7	0.166
3572574	Drill Core	0.51	105	0.2	7.448	3.7	5.7	0.052	0.8	0.5	<0.005	<0.1	0.6	3	<1	1.2	15	0.3	<0.5	7.2	0.159
3572575	Silica	0.02	37	0.1	7.754	0.1	0.3	<0.001	5.3	59.1	<0.005	<0.1	0.1	<1	<1	0.1	25	<0.1	<0.5	0.1	<0.001
3572576	Drill Core	2.40	154	1.3	4.969	2.0	52.9	0.051	0.9	42.5	<0.005	0.2	0.3	14	<1	1.2	49	0.2	0.5	9.1	0.155
3572577	Drill Core	2.40	66	<0.1	4.772	1.2	66.9	0.049	0.9	57.6	<0.005	<0.1	0.2	18	<1	1.3	58	0.1	<0.5	9.4	0.186
3572578	Drill Core	2.59	49	<0.1	5.270	1.8	71.4	0.047	0.8	93.7	<0.005	<0.1	0.3	19	<1	1.5	57	0.2	<0.5	11.1	0.219
3572579	Drill Core	2.67	76	0.3	5.220	1.3	70.3	0.056	0.9	47.7	<0.005	<0.1	0.3	17	<1	1.2	67	0.1	<0.5	10.0	0.147
3572580	Rock Pulp	3.91	1193	3.0	1.938	3.1	113.9	0.040	16.5	14.2	<0.005	0.4	0.5	34	<1	0.7	108	0.2	0.9	1.0	0.580
3572581	Drill Core	2.80	133	0.3	5.162	1.8	77.4	0.054	1.0	65.9	<0.005	0.1	0.3	19	<1	2.1	61	0.2	<0.5	11.8	0.177
3572582	Drill Core	2.75	84	0.1	4.847	3.2	73.2	0.056	0.9	71.7	<0.005	0.2	0.2	17	<1	1.8	52	0.3	<0.5	10.6	0.250
3572583	Drill Core	2.69	84	0.1	4.678	1.8	73.8	0.053	0.9	65.2	<0.005	0.2	0.3	16	<1	1.6	56	0.2	<0.5	10.1	0.195
3572584	Drill Core	2.54	136	0.2	5.473	1.7	66.0	0.056	1.0	65.5	<0.005	0.1	0.2	17	<1	2.0	66	0.2	<0.5	10.9	0.187
3572585	Drill Core	2.48	132	0.4	5.325	2.5	69.9	0.048	0.9	38.2	<0.005	<0.1	0.2	15	<1	2.1	72	0.2	<0.5	7.5	0.183
3572586	Drill Core	1.74	194	0.3	5.523	2.4	42.6	0.162	1.3	16.7	<0.005	<0.1	0.4	11	<1	1.8	62	0.2	<0.5	9.1	0.136
3572587	Drill Core	1.66	197	0.4	5.514	2.2	22.9	0.065	1.0	9.3	<0.005	<0.1	0.5	17	<1	1.3	53	0.2	<0.5	7.7	0.119
3572588	Drill Core	1.85	138	0.3	5.243	2.0	51.1	0.050	0.8	18.0	<0.005	<0.1	0.3	11	<1	1.2	44	0.2	<0.5	5.6	0.128
3572589	Drill Core	2.50	135	0.4	5.844	2.3	79.2	0.048	0.8	34.9	<0.005	0.1	0.4	18	<1	1.2	43	0.2	<0.5	9.7	0.169
3572590	Drill Core	2.33	89	<0.1	5.636	1.9	74.3	0.050	0.7	27.0	<0.005	<0.1	0.4	18	<1	1.4	41	0.2	<0.5	8.1	0.164
3572591	Drill Core	1.60	175	0.7	5.637	3.3	23.3	0.044	2.3	2.8	<0.005	0.1	1.2	11	<1	3.1	40	0.3	0.6	8.9	0.150
3572592	Drill Core	1.15	163	0.4	5.826	3.6	4.6	0.055	0.9	0.9	<0.005	<0.1	1.1	7	<1	0.7	32	0.3	<0.5	9.3	0.172

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Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

CERTIFICATE OF ANALYSIS TIM19002913.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3572565	Drill Core	<0.5	2.4	87	0.8	14.7	<1	136.9
3572566	Drill Core	<0.5	2.5	82	0.5	12.9	2	130.0
3572567	Drill Core	<0.5	2.6	85	1.0	15.9	3	144.8
3572568	Drill Core	<0.5	2.5	66	0.7	12.5	<1	136.7
3572569	Drill Core	<0.5	2.6	85	0.5	10.4	1	138.1
3572570	Drill Core	<0.5	2.7	83	0.8	15.0	<1	136.0
3572571	Drill Core	<0.5	2.3	89	0.7	8.5	2	144.4
3572572	Drill Core	<0.5	2.4	57	2.1	7.8	<1	145.8
3572573	Drill Core	<0.5	2.0	88	3.2	6.1	2	137.1
3572574	Drill Core	<0.5	1.7	54	4.6	3.9	<1	150.0
3572575	Silica	0.7	0.1	<1	<0.1	1.1	3	8.6
3572576	Drill Core	<0.5	2.1	90	0.4	9.2	2	123.6
3572577	Drill Core	<0.5	1.1	114	0.2	6.4	2	121.5
3572578	Drill Core	<0.5	1.3	136	0.3	7.4	2	120.5
3572579	Drill Core	<0.5	1.9	120	0.3	6.1	2	124.4
3572580	Rock Pulp	<0.5	0.3	265	5.1	19.8	81	44.3
3572581	Drill Core	<0.5	2.0	119	0.5	11.7	2	131.3
3572582	Drill Core	<0.5	2.7	124	0.1	15.2	2	122.9
3572583	Drill Core	<0.5	1.8	113	0.2	11.2	3	122.1
3572584	Drill Core	<0.5	1.7	112	0.4	11.4	2	125.8
3572585	Drill Core	<0.5	1.5	103	0.5	10.9	2	115.9
3572586	Drill Core	<0.5	1.7	81	0.8	13.8	<1	92.1
3572587	Drill Core	<0.5	1.3	77	1.1	9.1	<1	84.6
3572588	Drill Core	<0.5	1.0	72	0.6	7.2	2	79.7
3572589	Drill Core	<0.5	1.4	122	0.6	10.0	2	118.1
3572590	Drill Core	<0.5	1.0	126	0.3	6.6	2	110.3
3572591	Drill Core	<0.5	1.5	62	2.1	8.8	1	111.2
3572592	Drill Core	<0.5	1.9	42	3.4	7.4	<1	128.4

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Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

QUALITY CONTROL REPORT TIM19002913.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
Pulp Duplicates																					
3572508	Drill Core	4.97	0.020	<0.1	2.55	14	184	<1	0.2	27.30	<0.1	28	6.4	30	13.8	1.56	1.2	<0.05	0.82	15.6	24.7
REP 3572508	QC			<0.1	2.46	9	181	<1	0.2	27.82	0.1	28	6.5	32	13.5	1.52	1.5	<0.05	0.83	15.4	22.7
3572533	Drill Core	5.02	<0.005	<0.1	8.28	3	722	1	<0.1	5.38	0.1	38	59.8	46	41.6	10.30	4.0	0.14	1.00	16.6	27.0
REP 3572533	QC		<0.005																		
3572538	Drill Core	4.76	<0.005	<0.1	6.18	32	93	1	0.1	2.12	<0.1	54	40.3	34	23.5	1.04	2.5	<0.05	0.23	26.6	3.9
REP 3572538	QC		0.007																		
3572542	Drill Core	4.98	<0.005	<0.1	6.18	16	92	1	<0.1	1.50	<0.1	25	20.4	42	4.2	0.88	2.4	<0.05	0.34	12.0	6.3
REP 3572542	QC			<0.1	6.11	17	94	1	<0.1	1.53	<0.1	23	21.3	42	4.5	0.91	2.6	<0.05	0.38	11.2	5.7
3572576	Drill Core	4.61	0.005	<0.1	6.73	5	118	2	0.1	1.45	<0.1	55	24.1	87	2.8	2.84	3.7	<0.05	0.92	25.3	12.7
REP 3572576	QC			<0.1	6.43	5	121	1	0.1	1.43	<0.1	55	26.1	79	3.0	2.77	3.7	<0.05	0.90	27.5	14.2
3572592	Drill Core	4.60	0.005	<0.1	6.63	2	8	<1	<0.1	2.22	<0.1	54	2.0	56	1.1	0.64	3.7	<0.05	0.12	26.8	1.0
REP 3572592	QC		<0.005																		
Core Reject Duplicates																					
3572536	Drill Core	4.36	<0.005	<0.1	6.46	11	90	2	<0.1	2.30	<0.1	30	9.5	43	22.4	1.06	2.3	<0.05	0.21	14.3	4.2
DUP 3572536	QC		<0.005	<0.1	6.07	15	86	2	<0.1	2.25	<0.1	26	11.6	44	20.6	1.06	2.2	<0.05	0.20	12.9	3.9
3572570	Drill Core	4.02	<0.005	<0.1	6.92	6	84	2	<0.1	1.64	<0.1	68	32.7	73	3.6	1.75	3.6	<0.05	0.96	31.2	8.5
DUP 3572570	QC		<0.005	<0.1	7.13	5	83	2	<0.1	1.67	<0.1	67	33.8	71	3.7	1.80	3.6	<0.05	0.91	30.8	7.7
Reference Materials																					
STD OREAS25A-4A	Standard			<0.1	8.30	9	136	<1	0.3	0.25	<0.1	40	8.6	116	34.5	6.57	4.1	0.08	0.51	17.3	37.2
STD OREAS25A-4A	Standard			<0.1	8.48	10	151	<1	0.4	0.26	<0.1	46	7.7	111	34.7	6.55	4.2	0.09	0.48	22.1	37.2
STD OREAS25A-4A	Standard			<0.1	8.48	10	152	<1	0.3	0.27	<0.1	48	8.1	121	34.7	6.71	4.1	0.08	0.50	22.6	36.4
STD OREAS25A-4A	Standard			<0.1	9.10	9	146	1	0.3	0.28	<0.1	47	7.7	114	32.4	6.58	3.8	0.12	0.46	20.2	37.7
STD OREAS45E	Standard			0.3	6.97	17	265	<1	0.3	0.07	<0.1	25	58.8	996	806.8	23.90	3.0	0.13	0.34	11.9	6.5
STD OREAS45E	Standard			0.3	6.57	16	246	<1	0.4	0.06	<0.1	24	57.6	987	777.8	23.48	2.8	0.08	0.34	11.7	6.5
STD OREAS45E	Standard			0.3	7.12	16	254	<1	0.3	0.07	<0.1	25	63.1	1049	800.4	25.01	2.8	0.16	0.33	10.8	7.1
STD OXC145	Standard		0.199																		
STD OXC145	Standard		0.199																		
STD OXH139	Standard		1.272																		

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QUALITY CONTROL REPORT TIM19002913.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
Pulp Duplicates																					
3572508	Drill Core	0.87	669	0.5	0.975	3.9	17.9	0.019	3.5	41.0	<0.005	<0.1	0.3	5	<1	0.8	188	0.3	1.7	4.6	0.122
REP 3572508	QC	0.85	659	0.3	0.969	4.0	17.7	0.019	3.4	40.7	<0.005	<0.1	0.3	5	<1	0.8	179	0.3	0.9	4.8	0.121
3572533	Drill Core	4.02	1542	0.5	2.068	7.6	85.2	0.239	6.8	33.5	<0.005	<0.1	0.2	25	<1	1.4	431	0.5	0.7	0.7	1.836
REP 3572533	QC																				
3572538	Drill Core	1.41	114	0.5	4.887	2.5	29.6	0.045	8.2	9.4	<0.005	0.1	0.5	6	1	1.0	100	0.2	<0.5	6.4	0.103
REP 3572538	QC																				
3572542	Drill Core	1.24	91	0.6	5.114	2.4	18.2	0.049	4.0	12.5	<0.005	<0.1	0.3	6	<1	0.6	82	0.2	<0.5	5.6	0.112
REP 3572542	QC	1.25	92	0.4	5.098	2.3	19.1	0.045	3.9	11.1	<0.005	<0.1	0.2	6	1	0.7	81	0.2	<0.5	5.2	0.111
3572576	Drill Core	2.40	154	1.3	4.969	2.0	52.9	0.051	0.9	42.5	<0.005	0.2	0.3	14	<1	1.2	49	0.2	0.5	9.1	0.155
REP 3572576	QC	2.38	150	1.1	4.891	2.3	50.7	0.052	0.8	44.3	<0.005	0.2	0.3	14	<1	1.1	50	0.2	0.6	9.4	0.166
3572592	Drill Core	1.15	163	0.4	5.826	3.6	4.6	0.055	0.9	0.9	<0.005	<0.1	1.1	7	<1	0.7	32	0.3	<0.5	9.3	0.172
REP 3572592	QC																				
Core Reject Duplicates																					
3572536	Drill Core	1.75	152	0.5	5.378	2.0	21.4	0.045	5.3	6.2	<0.005	<0.1	0.2	9	<1	0.7	114	0.2	<0.5	5.0	0.095
DUP 3572536	QC	1.71	150	0.3	5.233	1.9	21.5	0.043	5.1	5.0	<0.005	<0.1	0.3	8	<1	0.6	108	0.2	<0.5	4.8	0.095
3572570	Drill Core	2.28	130	0.5	5.059	3.5	48.1	0.048	1.2	29.8	<0.005	0.3	0.3	12	<1	1.2	53	0.3	0.5	10.3	0.163
DUP 3572570	QC	2.31	126	0.6	5.163	3.2	46.4	0.053	1.2	28.1	<0.005	0.3	0.3	12	<1	1.1	48	0.3	<0.5	10.1	0.161
Reference Materials																					
STD OREAS25A-4A	Standard	0.33	490	2.3	0.142	18.9	45.9	0.049	24.7	50.5	<0.005	<0.1	0.6	11	3	3.6	43	1.4	<0.5	15.2	0.980
STD OREAS25A-4A	Standard	0.34	477	2.2	0.115	19.4	45.2	0.046	24.7	58.9	<0.005	<0.1	0.6	12	2	4.0	48	1.4	<0.5	15.6	0.943
STD OREAS25A-4A	Standard	0.36	477	2.2	0.122	19.0	45.4	0.048	24.9	60.7	<0.005	<0.1	0.6	13	2	4.1	47	1.4	<0.5	15.9	0.911
STD OREAS25A-4A	Standard	0.39	490	2.1	0.133	18.6	45.4	0.047	24.2	59.9	<0.005	<0.1	0.6	12	2	3.8	44	1.4	<0.5	14.8	0.827
STD OREAS45E	Standard	0.17	581	2.3	0.054	6.4	477.8	0.033	19.2	23.0	<0.005	<0.1	1.1	96	2	1.5	17	0.5	<0.5	13.7	0.559
STD OREAS45E	Standard	0.16	531	2.2	0.054	5.9	463.6	0.033	18.3	21.1	<0.005	<0.1	0.9	89	2	1.4	17	0.5	<0.5	13.4	0.514
STD OREAS45E	Standard	0.17	564	2.4	0.071	7.5	483.0	0.035	17.9	22.5	<0.005	<0.1	1.1	94	4	1.3	16	0.5	<0.5	12.4	0.523
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXH139	Standard																				

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

QUALITY CONTROL REPORT TIM19002913.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
Pulp Duplicates								
3572508	Drill Core	<0.5	2.0	35	0.8	9.3	11	47.9
REP 3572508	QC	<0.5	1.9	34	0.8	9.4	10	46.4
3572533	Drill Core	<0.5	0.3	285	0.3	31.3	129	147.1
REP 3572533	QC							
3572538	Drill Core	<0.5	3.6	35	2.0	15.5	7	92.9
REP 3572538	QC							
3572542	Drill Core	<0.5	2.2	46	1.3	8.7	6	91.0
REP 3572542	QC	<0.5	2.0	47	1.2	8.1	5	95.5
3572576	Drill Core	<0.5	2.1	90	0.4	9.2	2	123.6
REP 3572576	QC	<0.5	1.9	88	0.5	9.2	2	127.3
3572592	Drill Core	<0.5	1.9	42	3.4	7.4	<1	128.4
REP 3572592	QC							
Core Reject Duplicates								
3572536	Drill Core	<0.5	1.7	39	1.3	10.9	10	81.0
DUP 3572536	QC	<0.5	1.5	40	1.4	10.5	8	71.7
3572570	Drill Core	<0.5	2.7	83	0.8	15.0	<1	136.0
DUP 3572570	QC	<0.5	2.9	85	0.8	14.6	<1	124.2
Reference Materials								
STD OREAS25A-4A	Standard	<0.5	2.9	161	1.9	9.2	40	145.4
STD OREAS25A-4A	Standard	<0.5	2.9	155	1.9	9.9	45	146.9
STD OREAS25A-4A	Standard	<0.5	3.0	160	1.9	10.0	47	145.9
STD OREAS25A-4A	Standard	<0.5	2.6	158	1.7	9.4	42	151.6
STD OREAS45E	Standard	<0.5	2.6	337	1.1	8.4	52	96.9
STD OREAS45E	Standard	<0.5	2.6	323	1.0	8.3	47	93.3
STD OREAS45E	Standard	<0.5	2.4	341	1.2	7.5	48	96.6
STD OXC145	Standard							
STD OXC145	Standard							
STD OXH139	Standard							

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

QUALITY CONTROL REPORT TIM19002913.1

		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
STD OXH139	Standard		1.244																		
STD OXN134	Standard		7.609																		
STD OXN134	Standard		7.450																		
STD OREAS25A-4A Expected					8.87	9.94	147	0.93	0.37	0.301		47.3	7.7	115	33.9	6.6	4.14	0.09	0.482	21.8	36.7
STD OREAS45E Expected				0.311	6.78	16.3	252		0.28	0.065	0.06	23.5	57	979	780	24.12	3.11	0.099	0.324	11	6.58
STD OXC145 Expected			0.212																		
STD OXN134 Expected			7.667																		
STD OXH139 Expected			1.312																		
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
Prep Wash																					
ROCK-TIM	Prep Blank		<0.005	<0.1	6.95	2	800	1	<0.1	1.69	<0.1	26	4.8	4	5.4	2.35	1.5	<0.05	1.59	13.7	1.9
ROCK-TIM	Prep Blank		<0.005	<0.1	6.77	2	757	1	<0.1	1.82	<0.1	24	5.0	6	7.8	2.39	1.8	<0.05	1.46	12.9	1.7

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

QUALITY CONTROL REPORT TIM19002913.1

		MA200 Mg % 0.01	MA200 Mn ppm 1	MA200 Mo ppm 0.1	MA200 Na % 0.001	MA200 Nb ppm 0.1	MA200 Ni ppm 0.1	MA200 P % 0.001	MA200 Pb ppm 0.1	MA200 Rb ppm 0.1	MA200 Re ppm 0.005	MA200 S % 0.1	MA200 Sb ppm 0.1	MA200 Sc ppm 1	MA200 Se ppm 1	MA200 Sn ppm 0.1	MA200 Sr ppm 1	MA200 Ta ppm 0.1	MA200 Te ppm 0.5	MA200 Th ppm 0.1	MA200 Ti % 0.001
STD OXH139	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OREAS25A-4A Expected		0.327	480	2.41	0.131	20.9	45.8	0.048	25.2	61		0.047	0.65	13.7	2.4	4.06	48.5	1.4		15.8	0.93
STD OREAS45E Expected		0.156	570	2.4	0.059	6.8	454	0.034	18.2	21.2		0.046	1	93	2.97	1.32	15.9	0.54	0.1	12.9	0.559
STD OXC145 Expected																					
STD OXN134 Expected																					
STD OXH139 Expected																					
BLK	Blank	<0.01	<1	<0.1	0.001	<0.1	<0.1	<0.001	<0.1	0.2	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.001	<0.1	<0.1	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	<0.001	<0.1	<0.1	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-TIM	Prep Blank	0.61	702	0.9	3.506	5.6	2.1	0.041	2.6	31.4	<0.005	<0.1	0.1	8	<1	0.9	215	0.4	<0.5	3.0	0.221
ROCK-TIM	Prep Blank	0.64	734	1.0	3.462	5.6	1.8	0.042	2.4	29.6	<0.005	<0.1	<0.1	8	<1	0.9	204	0.4	<0.5	3.0	0.221

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 29, 2020

QUALITY CONTROL REPORT TIM19002913.1

		MA200 Tl ppm 0.5	MA200 U ppm 0.1	MA200 V ppm 1	MA200 W ppm 0.1	MA200 Y ppm 0.1	MA200 Zn ppm 1	MA200 Zr ppm 0.1
STD OXH139	Standard							
STD OXN134	Standard							
STD OXN134	Standard							
STD OREAS25A-4A Expected		0.35	2.94	157	2	10.5	44.4	155
STD OREAS45E Expected		0.15	2.41	322	1.07	8.28	46.7	97
STD OXC145 Expected								
STD OXN134 Expected								
STD OXH139 Expected								
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	0.1
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	0.3
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
Prep Wash								
ROCK-TIM	Prep Blank	<0.5	1.4	43	0.3	15.7	35	52.2
ROCK-TIM	Prep Blank	<0.5	1.3	46	0.3	16.0	41	53.8

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By:	Quentin Yarie
Receiving Lab:	Canada-Timmins
Received:	December 17, 2019
Analysis Start:	January 22, 2020
Report Date:	January 30, 2020
Page:	1 of 4

CERTIFICATE OF ANALYSIS TIM20000004.1

CLIENT JOB INFORMATION

Project:	SPJ
Shipment ID:	
P.O. Number	
Number of Samples:	80

SAMPLE DISPOSAL

RTRN-PLP	Return After 90 days
RTRN-RJT	Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP85-500	78	Crush split and pulverize 250g of sample to 200mesh			TIM
SHP01	80	Per sample shipping charges for branch shipments			TIM
SLBHP	2	Sort, label and box pulps			TIM
FA450	80	50g Lead Collection Fire Assay Fusion - AAS Finish	50	Completed	TIM
EN002	80	Environmental disposal charge-Fire assay lead waste			TIM
MA200	80	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
EN001-MA	80	Environmental disposal fee - Multi-acid neutralization			VAN

ADDITIONAL COMMENTS

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC:

MAY LAI
Data Validation Specialist

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All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 30, 2020

CERTIFICATE OF ANALYSIS TIM20000004.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3572281	Drill Core	6.61	<0.005	<0.1	6.79	26	160	2	<0.1	1.73	<0.1	37	11.3	40	22.6	1.00	2.6	<0.05	0.59	18.6	10.7
3572282	Drill Core	6.50	<0.005	0.1	6.71	20	109	2	0.1	2.32	<0.1	49	17.5	52	19.3	1.09	3.0	<0.05	0.53	25.0	10.6
3572283	Drill Core	5.80	<0.005	<0.1	7.05	19	124	2	<0.1	2.25	<0.1	41	23.1	62	12.7	1.40	3.0	<0.05	0.57	18.5	10.5
3572284	Drill Core	6.37	<0.005	<0.1	6.33	12	119	2	<0.1	2.10	0.1	35	17.8	44	9.4	1.13	2.4	<0.05	0.40	17.3	8.1
3572285	Drill Core	5.34	<0.005	<0.1	6.49	16	175	3	0.1	1.03	<0.1	29	32.6	61	10.9	1.77	3.0	<0.05	1.05	14.9	11.3
3572286	Drill Core	3.88	0.006	<0.1	6.32	11	110	2	<0.1	1.04	<0.1	31	19.5	42	55.9	1.04	2.4	<0.05	0.51	14.9	9.9
3572287	Drill Core	4.12	<0.005	<0.1	6.40	12	109	2	<0.1	0.86	<0.1	27	20.7	40	6.9	1.09	2.4	<0.05	0.42	12.5	7.3
3572288	Drill Core	5.18	0.005	<0.1	6.42	8	73	2	<0.1	1.13	<0.1	19	11.4	46	3.3	1.42	2.3	<0.05	0.41	9.2	9.6
3572289	Drill Core	4.12	1.910	<0.1	6.87	8	89	2	0.2	1.50	<0.1	50	50.2	56	6.3	2.24	3.4	<0.05	0.24	22.9	7.0
3572290	Drill Core	3.29	0.204	<0.1	6.61	10	95	2	0.2	0.89	<0.1	52	41.0	103	37.4	4.32	4.0	0.06	0.37	24.6	19.9
3572291	Drill Core	5.83	0.653	<0.1	6.52	8	149	2	<0.1	1.18	<0.1	39	14.9	78	3.3	2.37	3.3	<0.05	0.67	19.2	8.0
3572292	Drill Core	5.14	2.540	<0.1	6.74	5	161	1	0.1	0.98	<0.1	42	20.4	100	22.6	5.35	3.5	<0.05	0.66	19.9	24.5
3572293	Drill Core	4.55	>10	0.1	7.40	7	181	2	0.4	1.37	<0.1	59	21.0	93	10.8	3.81	3.9	<0.05	0.75	30.5	16.8
3572294	Drill Core	4.84	1.845	<0.1	6.99	10	220	2	<0.1	1.47	<0.1	46	18.6	78	5.1	2.77	3.4	<0.05	1.05	21.1	8.9
3572295	Drill Core	5.53	0.823	<0.1	7.04	12	78	2	<0.1	1.93	<0.1	36	20.3	56	3.7	1.13	3.4	<0.05	0.30	18.6	7.1
3572296	Drill Core	5.95	0.145	<0.1	7.41	7	55	1	<0.1	1.74	1.0	33	17.6	64	2.2	0.90	4.1	<0.05	0.86	16.8	7.9
3572297	Drill Core	5.26	0.432	<0.1	6.95	7	135	2	<0.1	1.09	<0.1	27	18.2	66	3.9	1.53	3.2	<0.05	1.43	13.6	11.1
3572298	Rock Pulp	0.07	0.530	0.2	7.05	5	148	<1	<0.1	7.00	0.1	11	46.7	178	143.8	7.98	1.4	0.07	0.20	4.4	14.6
3572299	Drill Core	4.71	<0.005	<0.1	7.50	7	237	2	<0.1	2.38	0.1	44	20.4	91	8.6	3.19	3.5	0.05	1.37	20.4	16.1
3572300	Silica	0.21	<0.005	<0.1	9.76	3	19	<1	<0.1	0.17	<0.1	2	<0.2	2	0.4	0.17	0.1	<0.05	3.86	0.8	25.5
3572301	Drill Core	4.81	<0.005	<0.1	7.87	7	371	<1	<0.1	3.98	<0.1	54	39.8	69	27.5	6.21	3.6	<0.05	1.03	27.1	24.3
3572302	Drill Core	4.91	<0.005	<0.1	8.20	12	540	1	<0.1	4.19	<0.1	58	60.0	49	44.8	9.13	4.3	0.12	1.19	27.4	45.6
3572303	Drill Core	6.56	<0.005	0.3	8.50	3	573	3	<0.1	2.69	<0.1	98	53.5	51	43.9	7.18	4.1	0.07	5.18	49.3	86.9
3572304	Drill Core	6.29	<0.005	0.3	8.17	3	521	2	<0.1	3.82	<0.1	87	60.0	50	37.5	8.04	4.1	0.08	3.79	42.9	71.2
3572305	Drill Core	5.44	<0.005	<0.1	7.95	2	488	<1	<0.1	5.43	0.2	45	55.1	49	41.7	10.29	4.2	0.08	1.00	20.0	33.5
3569645	Drill Core	5.54	0.007	<0.1	6.05	22	42	2	<0.1	2.49	<0.1	21	8.0	34	11.4	0.99	2.0	<0.05	0.23	10.7	3.2
3569646	Drill Core	6.13	<0.005	<0.1	8.45	33	57	2	<0.1	4.00	<0.1	49	16.5	62	49.5	1.95	3.5	<0.05	0.36	23.7	6.9
3569647	Drill Core	5.58	0.008	<0.1	6.35	32	65	1	0.1	2.44	0.1	34	14.3	53	136.8	1.19	3.1	<0.05	0.39	15.2	5.0
3569648	Drill Core	5.46	<0.005	<0.1	6.28	26	44	2	<0.1	3.00	<0.1	38	11.3	44	15.3	0.87	3.3	<0.05	0.20	20.3	2.1
3569649	Drill Core	4.97	<0.005	<0.1	6.96	19	34	2	<0.1	5.19	<0.1	35	3.7	39	5.1	1.24	3.0	<0.05	0.14	17.4	1.6

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 30, 2020

CERTIFICATE OF ANALYSIS TIM20000004.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3572281	Drill Core	1.82	99	0.5	5.292	2.0	38.3	0.042	11.5	25.0	<0.005	<0.1	0.2	8	<1	2.2	99	0.2	<0.5	7.2	0.094
3572282	Drill Core	1.83	104	0.5	5.510	3.3	37.5	0.045	6.5	17.4	<0.005	0.2	0.5	10	<1	1.2	91	0.3	<0.5	7.5	0.142
3572283	Drill Core	2.28	118	0.5	5.524	4.5	43.1	0.048	11.6	23.0	<0.005	0.1	0.4	11	<1	1.3	99	0.4	<0.5	7.5	0.195
3572284	Drill Core	1.67	100	0.2	5.082	2.8	27.5	0.045	14.1	14.6	<0.005	0.1	0.3	9	<1	0.7	90	0.3	<0.5	6.1	0.121
3572285	Drill Core	2.22	81	0.5	5.232	4.8	48.4	0.041	6.6	41.7	<0.005	0.3	0.4	11	<1	1.1	74	0.4	<0.5	7.1	0.200
3572286	Drill Core	1.43	73	0.3	5.136	2.9	24.8	0.037	4.8	15.4	<0.005	0.1	0.5	9	<1	0.6	80	0.3	<0.5	6.1	0.124
3572287	Drill Core	1.14	87	0.6	5.526	2.9	25.8	0.038	7.8	11.9	<0.005	<0.1	0.2	7	<1	0.6	76	0.2	<0.5	5.4	0.118
3572288	Drill Core	1.50	110	0.4	5.362	2.4	26.2	0.035	7.6	4.2	<0.005	0.2	0.4	9	<1	0.5	69	0.2	<0.5	4.5	0.101
3572289	Drill Core	1.14	218	1.2	6.331	5.8	39.2	0.041	13.8	3.7	<0.005	0.4	0.3	5	<1	0.7	74	0.5	<0.5	7.4	0.234
3572290	Drill Core	1.43	178	0.7	5.640	8.8	49.2	0.047	18.7	6.7	<0.005	0.4	0.4	5	<1	0.7	70	0.8	<0.5	8.2	0.317
3572291	Drill Core	1.78	147	0.4	5.157	6.1	41.5	0.056	5.2	21.9	<0.005	0.1	0.2	11	<1	1.4	100	0.5	<0.5	7.8	0.246
3572292	Drill Core	2.01	164	0.3	4.794	9.0	60.4	0.052	5.3	25.4	<0.005	0.2	0.2	10	<1	1.0	82	0.7	<0.5	9.1	0.317
3572293	Drill Core	2.04	186	0.3	5.127	8.1	55.7	0.052	4.2	45.5	<0.005	0.4	0.2	11	<1	1.2	87	0.7	0.8	12.8	0.328
3572294	Drill Core	2.28	125	0.6	5.237	8.0	53.0	0.052	9.6	55.8	<0.005	0.2	0.3	13	<1	1.6	87	0.7	<0.5	9.6	0.296
3572295	Drill Core	1.32	123	0.7	6.209	4.2	21.9	0.042	11.5	5.3	<0.005	0.2	0.4	7	<1	1.1	75	0.4	<0.5	8.9	0.171
3572296	Drill Core	1.16	146	1.5	6.344	3.4	14.1	0.047	24.6	5.4	<0.005	0.1	0.4	4	<1	0.7	51	0.3	<0.5	9.7	0.134
3572297	Drill Core	1.54	130	0.8	5.392	4.3	27.9	0.041	9.4	21.5	<0.005	0.2	0.5	6	<1	1.2	82	0.4	<0.5	7.2	0.176
3572298	Rock Pulp	4.22	1479	0.5	2.292	3.5	95.5	0.043	3.1	3.6	<0.005	0.1	0.5	47	<1	0.5	126	0.2	1.2	0.4	0.679
3572299	Drill Core	2.90	164	<0.1	5.188	7.2	69.2	0.052	13.4	68.3	<0.005	0.3	0.6	14	<1	1.7	140	0.7	<0.5	9.8	0.321
3572300	Silica	0.03	30	0.2	7.874	<0.1	0.3	<0.001	5.3	58.9	<0.005	<0.1	0.1	<1	<1	<0.1	37	<0.1	<0.5	0.1	<0.001
3572301	Drill Core	3.37	698	0.5	3.700	7.9	67.1	0.154	15.4	49.8	<0.005	0.2	0.5	20	<1	1.4	310	0.5	0.8	4.6	1.063
3572302	Drill Core	4.42	1216	0.7	2.213	9.2	77.0	0.258	15.6	25.8	<0.005	0.3	0.4	27	<1	1.4	447	0.5	<0.5	0.9	2.018
3572303	Drill Core	4.07	695	0.6	0.934	8.3	75.9	0.268	15.5	40.9	<0.005	0.6	1.4	23	<1	1.3	289	0.5	0.6	0.7	1.838
3572304	Drill Core	3.80	839	0.5	1.377	8.3	76.8	0.244	10.1	31.7	<0.005	0.5	1.1	25	<1	1.3	350	0.5	0.8	0.7	1.816
3572305	Drill Core	3.85	1498	0.5	2.161	9.0	72.2	0.245	4.1	26.4	<0.005	<0.1	<0.1	26	1	1.4	497	0.5	0.6	0.7	2.010
3569645	Drill Core	1.69	247	0.3	4.944	0.9	16.2	0.041	1.7	2.2	<0.005	0.1	0.3	11	<1	0.2	75	<0.1	0.7	4.9	0.038
3569646	Drill Core	3.41	440	0.4	6.063	2.2	36.1	0.065	3.8	12.5	<0.005	0.1	0.3	21	<1	0.5	105	0.2	0.9	11.4	0.100
3569647	Drill Core	1.73	185	0.3	5.673	1.6	39.7	0.053	8.2	9.9	<0.005	0.3	0.4	11	<1	0.5	73	0.2	0.6	7.4	0.068
3569648	Drill Core	1.75	248	1.1	5.492	1.5	16.5	0.055	2.4	4.1	<0.005	<0.1	0.2	11	<1	0.3	77	0.1	<0.5	7.5	0.056
3569649	Drill Core	2.93	477	1.9	5.908	2.0	13.9	0.041	1.6	4.0	<0.005	<0.1	0.3	20	<1	0.3	79	0.2	0.8	9.5	0.069

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Project: SPJ
Report Date: January 30, 2020

CERTIFICATE OF ANALYSIS TIM20000004.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3572281	Drill Core	<0.5	2.7	47	1.3	11.6	32	96.3
3572282	Drill Core	<0.5	1.8	61	2.3	11.7	9	114.8
3572283	Drill Core	<0.5	1.5	76	1.5	15.7	23	108.9
3572284	Drill Core	<0.5	1.4	47	1.1	10.2	36	85.3
3572285	Drill Core	<0.5	1.6	74	0.8	10.3	21	112.8
3572286	Drill Core	<0.5	1.6	48	1.4	7.7	22	93.2
3572287	Drill Core	<0.5	1.9	45	1.2	6.9	19	87.6
3572288	Drill Core	<0.5	2.2	69	1.9	8.0	6	80.4
3572289	Drill Core	<0.5	3.1	42	5.0	7.0	6	123.5
3572290	Drill Core	<0.5	18.5	64	19.6	7.4	4	140.3
3572291	Drill Core	<0.5	2.0	71	1.7	10.9	20	123.3
3572292	Drill Core	<0.5	2.8	90	7.0	10.1	7	131.1
3572293	Drill Core	<0.5	3.8	78	2.7	13.3	6	140.4
3572294	Drill Core	<0.5	2.2	91	1.5	12.3	13	122.7
3572295	Drill Core	<0.5	3.1	56	2.3	8.5	11	122.2
3572296	Drill Core	<0.5	2.7	40	2.7	6.9	245	147.1
3572297	Drill Core	<0.5	2.7	69	2.2	8.7	35	114.6
3572298	Rock Pulp	<0.5	0.1	294	1.1	21.8	79	50.0
3572299	Drill Core	<0.5	2.7	95	0.9	18.1	93	128.2
3572300	Silica	0.7	<0.1	<1	<0.1	1.6	3	8.9
3572301	Drill Core	<0.5	1.6	183	0.5	24.7	82	131.8
3572302	Drill Core	<0.5	0.3	279	0.3	32.9	90	164.5
3572303	Drill Core	<0.5	0.9	275	1.4	33.0	19	157.5
3572304	Drill Core	<0.5	0.6	265	1.6	34.1	64	154.5
3572305	Drill Core	<0.5	0.2	277	0.2	34.0	155	154.7
3569645	Drill Core	<0.5	1.6	33	1.3	8.2	3	76.0
3569646	Drill Core	<0.5	5.0	89	2.3	17.9	5	126.2
3569647	Drill Core	<0.5	2.2	58	1.2	10.9	16	108.5
3569648	Drill Core	<0.5	2.0	34	1.8	11.1	1	116.5
3569649	Drill Core	<0.5	3.8	44	3.0	14.3	1	108.0

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Project: SPJ
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	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3569650	Silica	0.21	<0.005	<0.1	9.23	2	19	<1	<0.1	0.17	<0.1	2	<0.2	2	0.5	0.18	0.3	<0.05	4.11	0.6	26.1
3569651	Drill Core	5.48	0.008	<0.1	6.41	31	82	2	0.2	1.66	<0.1	56	12.0	66	115.8	1.40	2.9	<0.05	0.56	29.5	7.0
3569652	Drill Core	5.13	<0.005	<0.1	7.01	28	64	2	0.2	3.06	<0.1	63	10.2	57	75.4	1.39	3.2	<0.05	0.46	28.4	5.9
3569653	Drill Core	5.64	0.006	<0.1	6.30	49	79	2	0.3	2.28	<0.1	26	11.2	51	39.3	0.98	3.2	<0.05	0.42	11.1	6.1
3569654	Drill Core	5.57	0.008	<0.1	5.87	30	72	2	0.2	1.53	<0.1	22	9.8	44	86.4	1.16	2.3	<0.05	0.40	8.4	5.2
3569655	Drill Core	5.55	<0.005	<0.1	6.70	13	95	2	0.3	2.12	<0.1	43	11.8	76	28.8	1.58	3.6	<0.05	0.67	16.1	9.2
3569656	Drill Core	5.58	<0.005	<0.1	7.03	52	77	<1	0.3	3.28	<0.1	58	18.7	63	12.4	1.49	3.6	<0.05	0.56	26.5	7.0
3569657	Drill Core	6.05	0.006	<0.1	6.83	43	71	2	0.2	2.89	<0.1	62	51.6	59	2.2	1.40	3.4	<0.05	0.44	24.7	5.6
3569658	Drill Core	6.40	<0.005	<0.1	5.92	21	92	2	0.2	1.62	<0.1	28	25.1	62	5.8	1.51	3.1	<0.05	0.51	11.7	6.2
3569659	Drill Core	5.37	<0.005	<0.1	5.44	11	115	2	0.1	1.15	<0.1	30	20.7	69	3.9	1.89	3.2	<0.05	0.72	13.1	8.0
3569660	Rock Pulp	0.07	5.213	1.1	7.04	28	248	<1	0.4	6.38	0.2	15	45.0	304	152.1	8.12	1.8	0.06	0.54	7.0	20.0
3569661	Drill Core	5.57	<0.005	<0.1	6.66	14	111	2	<0.1	1.54	<0.1	35	17.2	71	1.8	1.85	3.3	<0.05	0.63	12.9	8.0
3569662	Drill Core	5.42	<0.005	<0.1	6.46	17	195	2	<0.1	1.17	<0.1	21	21.5	94	4.4	2.77	3.6	<0.05	1.11	9.2	12.7
3569663	Drill Core	4.78	<0.005	<0.1	6.97	11	192	2	<0.1	1.56	<0.1	32	17.9	86	4.3	2.90	3.5	<0.05	1.07	12.6	12.8
3569664	Drill Core	3.95	0.005	<0.1	6.92	18	268	2	<0.1	1.26	<0.1	21	22.9	106	11.4	3.76	3.6	<0.05	1.38	12.3	14.8
3569665	Drill Core	3.20	<0.005	<0.1	6.85	35	179	2	<0.1	1.74	<0.1	25	26.8	92	6.6	2.53	3.2	<0.05	1.07	10.3	11.3
3569666	Drill Core	6.18	<0.005	<0.1	6.48	48	86	<1	<0.1	2.12	<0.1	43	15.6	71	2.0	1.52	2.8	<0.05	0.46	15.7	6.1
3569667	Drill Core	3.65	0.044	<0.1	6.17	30	24	1	3.1	1.04	<0.1	21	173.3	105	625.1	11.72	2.8	<0.05	0.12	9.7	5.2
3569668	Drill Core	4.81	0.326	<0.1	5.79	97	15	1	2.7	1.78	<0.1	39	368.5	66	745.3	10.76	2.1	<0.05	0.10	20.1	5.5
3569669	Drill Core	6.04	0.013	<0.1	3.82	7	53	<1	<0.1	21.88	<0.1	33	9.0	43	3.1	2.38	2.3	0.06	0.34	17.3	6.2
3569670	Drill Core	6.17	0.006	<0.1	4.84	3	15	<1	<0.1	18.52	<0.1	43	13.4	64	21.3	2.75	2.3	0.05	0.06	21.3	2.3
3569671	Drill Core	6.51	0.050	<0.1	4.63	5	20	<1	<0.1	19.58	<0.1	42	11.8	54	28.7	2.46	2.3	<0.05	0.07	22.5	2.8
3569672	Drill Core	5.98	0.006	<0.1	3.51	1	156	<1	<0.1	21.95	<0.1	35	12.7	42	3.3	2.19	2.1	<0.05	1.93	18.9	39.9
3569673	Drill Core	6.17	0.013	<0.1	3.28	4	17	<1	<0.1	27.98	<0.1	37	9.7	37	7.1	1.43	1.8	<0.05	0.07	21.1	1.5
3569674	Drill Core	6.11	<0.005	<0.1	4.15	5	16	<1	<0.1	24.18	<0.1	40	13.1	51	9.3	2.11	2.1	0.06	0.06	22.3	2.0
3569675	Silica	0.21	<0.005	<0.1	9.67	<1	19	<1	<0.1	0.33	<0.1	2	<0.2	1	1.1	0.16	0.2	<0.05	3.89	0.7	24.8
3569676	Drill Core	6.14	<0.005	<0.1	4.15	3	13	<1	<0.1	23.55	<0.1	43	11.3	52	10.7	1.84	2.3	<0.05	0.04	23.6	1.5
3569677	Drill Core	5.11	<0.005	<0.1	4.16	1	11	1	<0.1	25.93	<0.1	39	9.0	43	10.3	1.74	1.9	0.06	0.04	19.9	1.4
3569678	Drill Core	5.27	<0.005	<0.1	4.46	3	40	1	<0.1	20.50	<0.1	46	13.1	58	4.1	2.77	2.3	0.10	0.16	24.7	3.5
3569679	Drill Core	5.62	0.067	<0.1	4.92	3	80	1	0.1	17.44	<0.1	43	15.7	59	83.0	2.95	2.7	0.08	0.57	20.1	15.4

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	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3569650	Silica	0.03	32	<0.1	7.988	<0.1	0.3	<0.001	5.3	60.2	<0.005	<0.1	0.2	<1	<1	<0.1	34	<0.1	<0.5	0.2	<0.001
3569651	Drill Core	1.94	146	0.5	5.895	2.1	47.5	0.047	4.7	15.5	<0.005	0.3	0.3	11	<1	0.8	64	0.2	<0.5	7.3	0.107
3569652	Drill Core	2.17	231	0.2	5.515	3.6	38.7	0.049	8.1	23.6	<0.005	0.3	0.3	12	<1	1.1	78	0.3	0.5	9.4	0.142
3569653	Drill Core	1.67	156	0.4	5.775	2.7	37.5	0.053	2.9	15.1	<0.005	0.2	0.4	11	1	0.8	70	0.3	<0.5	6.8	0.105
3569654	Drill Core	1.40	109	0.2	5.560	1.9	48.3	0.041	7.2	12.7	<0.005	0.3	0.4	8	<1	0.7	59	0.2	<0.5	4.8	0.081
3569655	Drill Core	2.17	128	0.2	5.665	4.9	46.5	0.055	11.2	28.1	<0.005	0.2	0.4	13	<1	2.1	86	0.4	0.8	7.4	0.221
3569656	Drill Core	2.18	162	0.2	5.356	5.1	61.5	0.051	8.9	31.0	<0.005	0.3	0.4	11	<1	1.8	90	0.5	0.9	9.1	0.206
3569657	Drill Core	2.30	198	0.4	5.255	4.2	49.7	0.054	4.7	26.0	<0.005	0.4	0.5	12	1	2.0	76	0.4	<0.5	9.8	0.147
3569658	Drill Core	1.60	133	0.3	5.282	2.8	41.4	0.054	4.3	18.0	<0.005	0.2	0.3	9	<1	1.3	71	0.2	0.7	6.5	0.145
3569659	Drill Core	1.72	86	0.2	4.471	2.5	50.4	0.051	5.7	29.2	<0.005	0.2	0.2	10	<1	1.5	69	0.2	0.6	6.2	0.151
3569660	Rock Pulp	4.44	1398	3.6	2.177	3.7	131.0	0.045	19.8	16.7	<0.005	0.5	0.5	38	<1	0.7	129	0.2	1.6	1.2	0.644
3569661	Drill Core	2.03	157	0.2	5.485	2.9	54.9	0.052	6.6	26.2	<0.005	0.2	0.4	12	<1	1.8	69	0.2	<0.5	7.2	0.146
3569662	Drill Core	2.50	173	0.2	5.201	1.7	86.9	0.057	5.0	40.9	<0.005	0.2	0.4	15	<1	1.6	54	0.2	0.6	7.9	0.180
3569663	Drill Core	2.53	182	<0.1	5.047	2.8	72.3	0.057	3.3	59.3	<0.005	0.2	0.3	16	<1	1.4	65	0.3	<0.5	9.5	0.255
3569664	Drill Core	2.75	137	0.2	4.941	4.3	115.1	0.055	3.5	64.9	<0.005	0.3	0.3	16	<1	1.3	60	0.4	<0.5	8.4	0.284
3569665	Drill Core	2.42	211	0.4	5.467	1.8	99.5	0.066	1.8	46.9	<0.005	0.2	0.4	16	<1	1.3	64	0.2	<0.5	7.7	0.170
3569666	Drill Core	1.81	236	0.6	5.657	2.1	65.4	0.069	1.5	15.3	<0.005	<0.1	0.3	13	<1	1.4	64	0.2	<0.5	6.3	0.117
3569667	Drill Core	1.63	310	0.3	4.904	5.8	391.1	0.083	9.5	0.5	<0.005	4.0	0.3	11	2	0.5	28	0.5	1.3	5.3	0.267
3569668	Drill Core	1.69	328	0.5	3.733	3.9	343.9	0.064	16.5	1.3	<0.005	4.8	0.4	10	<1	0.3	29	0.4	1.0	7.1	0.180
3569669	Drill Core	1.74	563	0.2	2.773	4.3	30.7	0.026	2.3	17.7	<0.005	<0.1	0.4	8	<1	1.3	170	0.3	2.2	5.2	0.165
3569670	Drill Core	1.58	340	0.4	3.347	6.5	47.9	0.033	2.4	0.6	<0.005	<0.1	0.9	10	<1	1.5	153	0.5	1.1	6.8	0.230
3569671	Drill Core	1.49	336	0.2	3.479	5.9	45.0	0.030	2.1	2.1	<0.005	<0.1	0.5	10	<1	1.4	118	0.5	0.6	7.7	0.214
3569672	Drill Core	3.29	436	0.3	1.820	4.3	32.0	0.028	4.5	141.3	<0.005	<0.1	0.3	8	<1	1.2	109	0.4	4.4	7.4	0.169
3569673	Drill Core	0.85	384	0.2	2.685	4.5	24.3	0.023	1.8	3.2	<0.005	<0.1	0.2	7	<1	1.2	132	0.4	2.9	6.0	0.243
3569674	Drill Core	1.11	331	0.3	2.649	5.6	36.0	0.029	2.1	1.0	<0.005	<0.1	0.8	8	<1	1.3	241	0.4	4.4	7.2	0.279
3569675	Silica	0.03	28	0.1	7.921	0.1	0.5	<0.001	5.3	56.4	<0.005	<0.1	0.2	<1	<1	<0.1	35	<0.1	<0.5	0.2	0.001
3569676	Drill Core	1.05	332	0.2	2.835	5.1	36.0	0.029	2.3	0.3	<0.005	<0.1	0.7	8	<1	1.1	257	0.4	2.7	6.8	0.194
3569677	Drill Core	1.00	359	0.8	2.871	5.0	34.8	0.025	1.9	0.3	<0.005	<0.1	0.8	9	<1	1.2	237	0.4	0.6	6.7	0.208
3569678	Drill Core	1.15	366	0.4	3.298	5.4	42.0	0.031	1.9	10.5	<0.005	<0.1	0.5	9	<1	1.2	160	0.4	0.7	7.3	0.212
3569679	Drill Core	1.99	462	0.4	3.033	5.9	47.3	0.032	2.2	39.2	<0.005	<0.1	0.3	11	<1	1.6	133	0.5	3.1	8.9	0.237

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 30, 2020

CERTIFICATE OF ANALYSIS TIM20000004.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3569650	Silica	0.7	0.2	<1	<0.1	1.6	2	14.0
3569651	Drill Core	<0.5	2.7	81	0.5	13.4	7	119.8
3569652	Drill Core	<0.5	4.1	64	0.6	16.2	2	111.1
3569653	Drill Core	<0.5	2.7	75	1.0	12.7	2	115.6
3569654	Drill Core	<0.5	1.7	57	0.2	9.0	3	80.3
3569655	Drill Core	<0.5	2.9	88	0.3	13.3	4	124.6
3569656	Drill Core	<0.5	4.6	71	0.6	16.5	6	112.4
3569657	Drill Core	<0.5	4.9	74	0.4	18.5	8	119.5
3569658	Drill Core	<0.5	1.9	62	0.2	9.2	3	112.8
3569659	Drill Core	<0.5	2.1	73	0.2	8.2	5	109.1
3569660	Rock Pulp	<0.5	0.3	274	5.9	22.1	93	56.2
3569661	Drill Core	<0.5	2.2	79	0.3	10.8	6	111.2
3569662	Drill Core	<0.5	2.1	112	0.2	9.1	8	125.3
3569663	Drill Core	<0.5	3.0	102	0.2	12.8	7	126.2
3569664	Drill Core	<0.5	2.0	136	0.1	9.5	8	129.1
3569665	Drill Core	<0.5	2.4	118	0.3	11.5	6	119.0
3569666	Drill Core	<0.5	2.2	82	0.6	11.8	3	103.0
3569667	Drill Core	<0.5	7.2	69	12.1	7.3	6	106.2
3569668	Drill Core	<0.5	4.1	54	5.0	9.1	5	80.0
3569669	Drill Core	<0.5	2.0	49	0.7	10.5	3	65.9
3569670	Drill Core	<0.5	2.6	65	1.1	13.5	5	86.1
3569671	Drill Core	<0.5	2.4	64	0.9	13.2	3	79.5
3569672	Drill Core	<0.5	2.1	49	0.3	10.2	6	74.0
3569673	Drill Core	<0.5	2.3	44	0.7	9.4	2	66.5
3569674	Drill Core	<0.5	2.7	55	0.9	10.9	4	75.0
3569675	Silica	0.7	0.1	<1	<0.1	1.6	3	10.7
3569676	Drill Core	<0.5	2.7	57	0.9	11.2	4	72.6
3569677	Drill Core	<0.5	2.8	56	1.1	11.4	3	72.9
3569678	Drill Core	<0.5	2.8	63	1.7	11.4	3	72.3
3569679	Drill Core	<0.5	3.1	70	1.1	15.3	5	86.5

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 30, 2020

CERTIFICATE OF ANALYSIS TIM20000004.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3569680	Rock Pulp	0.07	0.504	0.2	7.02	5	154	<1	<0.1	7.26	0.1	11	47.4	185	140.1	7.90	1.6	<0.05	0.19	4.3	12.9
3569681	Drill Core	4.86	0.009	<0.1	6.83	4	131	2	<0.1	7.34	<0.1	57	19.3	84	35.4	4.36	3.3	0.09	0.71	29.8	12.0
3569682	Drill Core	2.92	0.042	<0.1	6.66	8	144	2	<0.1	5.57	<0.1	85	18.6	73	15.1	2.89	3.2	0.05	1.12	49.8	17.3
3569683	Drill Core	3.56	<0.005	<0.1	6.14	6	20	<1	<0.1	7.39	<0.1	27	6.8	49	2.4	2.14	2.6	0.07	0.16	13.9	6.3
3569684	Drill Core	5.95	0.029	<0.1	4.70	4	120	<1	<0.1	17.08	<0.1	67	14.2	53	18.4	2.50	2.4	<0.05	0.76	38.4	11.0
3569685	Drill Core	7.11	0.012	<0.1	5.14	6	107	1	<0.1	14.04	<0.1	75	16.0	56	26.5	2.96	2.5	0.08	0.91	44.5	14.8
3569686	Drill Core	4.54	0.049	<0.1	3.85	10	52	<1	0.1	13.07	<0.1	30	12.4	49	64.1	3.42	1.9	0.09	0.68	14.5	10.2
3569687	Drill Core	4.51	<0.005	<0.1	2.77	4	18	<1	<0.1	15.58	<0.1	19	3.7	32	4.0	2.66	1.5	<0.05	0.08	6.7	3.8
3569688	Drill Core	5.19	<0.005	<0.1	3.40	3	22	<1	0.1	13.32	0.1	19	4.6	37	5.6	3.24	1.6	0.05	0.07	7.3	3.3
3569689	Drill Core	4.06	0.038	<0.1	4.35	5	133	<1	0.1	13.62	<0.1	63	16.3	48	161.9	3.06	2.3	0.13	1.16	33.9	17.4
3569690	Drill Core	4.17	0.049	<0.1	3.74	<1	104	<1	0.1	22.16	<0.1	34	11.9	43	11.0	2.07	2.0	0.07	0.70	18.2	10.7
3569691	Drill Core	5.56	0.016	<0.1	3.05	4	69	<1	<0.1	23.60	<0.1	30	8.5	35	15.8	1.27	1.7	<0.05	0.43	15.1	6.2
3569692	Drill Core	4.33	0.021	<0.1	3.38	4	164	1	<0.1	14.68	<0.1	22	12.1	34	188.0	3.33	1.8	0.07	1.25	10.6	22.1
3569693	Drill Core	3.70	0.073	<0.1	4.81	5	108	<1	0.2	11.68	<0.1	37	13.7	49	743.2	3.16	2.3	0.17	0.88	17.5	17.3
3569694	Drill Core	3.47	0.067	0.2	4.26	3	71	<1	0.1	15.57	<0.1	29	11.1	47	2149.5	2.75	2.2	0.30	0.57	14.3	9.4
3569695	Drill Core	4.50	<0.005	<0.1	2.99	<1	32	2	<0.1	12.51	<0.1	17	3.8	38	13.5	3.85	1.3	0.06	0.25	6.0	11.1
3569696	Drill Core	6.38	0.009	<0.1	3.37	18	21	<1	<0.1	11.86	<0.1	17	6.3	36	12.8	3.66	1.7	<0.05	0.19	6.4	7.9
3569697	Drill Core	6.63	0.012	<0.1	3.85	52	51	<1	<0.1	10.89	<0.1	13	6.1	38	9.9	3.65	2.0	<0.05	0.35	5.0	11.0
3569698	Silica	0.21	<0.005	<0.1	8.58	1	16	<1	<0.1	0.18	<0.1	1	<0.2	<1	0.4	0.17	0.3	<0.05	3.17	0.4	24.3
3569699	Drill Core	5.57	<0.005	0.1	2.85	5	98	<1	<0.1	24.84	<0.1	25	9.0	31	92.1	1.37	1.5	<0.05	0.43	12.5	8.9

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 30, 2020

CERTIFICATE OF ANALYSIS TIM20000004.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3569680	Rock Pulp	4.17	1461	0.6	2.252	3.6	100.4	0.043	3.4	4.0	0.007	0.1	0.5	44	<1	0.6	115	0.2	0.5	0.4	0.673
3569681	Drill Core	1.95	280	0.2	4.966	8.9	63.8	0.044	1.9	47.4	<0.005	<0.1	0.4	14	1	2.0	83	0.7	<0.5	11.2	0.299
3569682	Drill Core	2.47	399	1.4	4.524	7.3	54.6	0.043	1.4	65.4	<0.005	<0.1	0.3	12	<1	1.8	53	0.6	1.1	9.8	0.260
3569683	Drill Core	5.10	676	1.2	4.628	1.7	10.1	0.037	1.1	3.0	<0.005	<0.1	0.3	15	<1	0.5	52	0.2	2.3	8.5	0.064
3569684	Drill Core	1.22	449	0.5	3.304	5.3	41.1	0.030	2.5	52.9	<0.005	<0.1	0.3	9	<1	1.6	184	0.5	1.3	7.5	0.205
3569685	Drill Core	3.23	752	0.7	3.371	4.1	48.0	0.035	1.8	55.8	<0.005	0.1	0.2	12	<1	1.2	117	0.3	1.3	9.3	0.224
3569686	Drill Core	5.36	1404	2.0	2.667	3.3	38.0	0.028	1.0	23.3	<0.005	0.1	0.2	9	<1	0.8	66	0.3	1.9	6.3	0.129
3569687	Drill Core	7.28	927	0.3	2.338	1.2	7.3	0.020	1.4	2.1	<0.005	<0.1	0.3	13	<1	0.2	94	<0.1	4.8	4.3	0.039
3569688	Drill Core	7.00	1170	0.5	2.739	1.2	11.6	0.025	5.4	1.4	<0.005	<0.1	0.3	14	<1	6.8	125	0.1	4.9	5.3	0.044
3569689	Drill Core	4.46	988	0.2	2.425	4.4	42.6	0.028	2.4	68.0	<0.005	0.2	0.2	9	<1	3.2	125	0.4	2.5	7.4	0.177
3569690	Drill Core	0.99	528	0.4	2.553	4.0	28.4	0.026	3.1	42.8	<0.005	0.1	0.1	7	<1	1.3	257	0.4	3.3	5.8	0.153
3569691	Drill Core	0.64	549	1.7	2.171	3.3	21.6	0.022	2.7	23.2	<0.005	<0.1	<0.1	6	<1	0.7	251	0.4	1.4	5.3	0.121
3569692	Drill Core	5.86	1011	1.6	0.989	2.6	40.5	0.023	1.3	72.2	<0.005	<0.1	<0.1	7	<1	0.8	128	0.2	4.1	5.8	0.131
3569693	Drill Core	4.96	1102	3.6	2.302	1.5	58.7	0.033	1.3	39.1	<0.005	0.2	0.1	11	<1	0.8	117	0.2	2.0	7.8	0.104
3569694	Drill Core	3.32	1174	2.5	2.444	1.3	48.6	0.031	2.4	26.2	<0.005	0.3	0.5	9	1	0.8	180	0.1	2.1	6.7	0.084
3569695	Drill Core	7.93	1509	2.1	1.418	0.7	18.1	0.021	0.8	9.4	<0.005	<0.1	0.1	12	<1	<0.1	77	<0.1	2.4	4.6	0.040
3569696	Drill Core	6.95	1412	0.7	2.098	1.3	22.6	0.025	0.8	5.2	<0.005	<0.1	0.2	8	<1	<0.1	73	0.1	4.1	5.7	0.052
3569697	Drill Core	6.67	1357	0.8	2.437	1.3	45.6	0.027	0.9	14.0	<0.005	<0.1	0.2	7	<1	<0.1	62	0.2	2.7	6.0	0.049
3569698	Silica	0.04	37	0.1	7.991	<0.1	0.3	<0.001	4.7	47.5	<0.005	<0.1	<0.1	<1	<1	<0.1	30	<0.1	<0.5	0.2	<0.001
3569699	Drill Core	1.17	812	0.4	1.697	2.7	23.0	0.020	3.8	21.8	<0.005	<0.1	<0.1	6	<1	0.3	222	0.2	2.7	4.7	0.098

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CERTIFICATE OF ANALYSIS TIM20000004.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3569680	Rock Pulp	<0.5	0.1	305	1.3	22.5	81	49.8
3569681	Drill Core	<0.5	4.6	87	2.4	19.0	6	112.5
3569682	Drill Core	<0.5	4.2	78	0.9	15.3	5	114.5
3569683	Drill Core	<0.5	3.2	69	1.7	12.3	5	95.0
3569684	Drill Core	<0.5	3.2	62	0.5	13.7	3	81.9
3569685	Drill Core	<0.5	3.5	76	0.6	13.3	6	91.1
3569686	Drill Core	<0.5	2.7	48	0.8	10.0	4	71.7
3569687	Drill Core	<0.5	1.8	70	1.7	12.6	2	51.4
3569688	Drill Core	<0.5	1.8	45	1.7	13.9	3	57.2
3569689	Drill Core	<0.5	2.6	67	0.3	11.6	6	74.9
3569690	Drill Core	<0.5	2.5	47	0.3	10.6	3	70.0
3569691	Drill Core	<0.5	2.0	38	0.4	8.7	2	63.1
3569692	Drill Core	<0.5	2.2	47	0.4	10.8	10	59.8
3569693	Drill Core	<0.5	2.9	62	0.8	12.6	11	80.8
3569694	Drill Core	<0.5	2.6	53	0.7	13.1	9	73.6
3569695	Drill Core	<0.5	1.6	64	0.8	15.5	8	47.0
3569696	Drill Core	<0.5	2.3	55	1.2	10.7	4	61.0
3569697	Drill Core	<0.5	2.4	54	1.3	9.3	5	67.3
3569698	Silica	0.7	0.2	<1	<0.1	1.4	2	15.9
3569699	Drill Core	<0.5	1.9	36	0.8	8.7	6	52.9

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 30, 2020

QUALITY CONTROL REPORT TIM20000004.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
Pulp Duplicates																					
3572285	Drill Core	5.34	<0.005	<0.1	6.49	16	175	3	0.1	1.03	<0.1	29	32.6	61	10.9	1.77	3.0	<0.05	1.05	14.9	11.3
REP 3572285	QC		<0.005																		
3569652	Drill Core	5.13	<0.005	<0.1	7.01	28	64	2	0.2	3.06	<0.1	63	10.2	57	75.4	1.39	3.2	<0.05	0.46	28.4	5.9
REP 3569652	QC		0.007	<0.1	7.11	30	62	2	0.2	3.07	<0.1	62	11.8	58	80.4	1.39	3.3	<0.05	0.45	27.7	5.2
3569687	Drill Core	4.51	<0.005	<0.1	2.77	4	18	<1	<0.1	15.58	<0.1	19	3.7	32	4.0	2.66	1.5	<0.05	0.08	6.7	3.8
REP 3569687	QC			<0.1	2.88	6	19	<1	<0.1	15.65	<0.1	19	3.7	30	3.8	2.68	1.4	<0.05	0.08	7.1	3.9
3569697	Drill Core	6.63	0.012	<0.1	3.85	52	51	<1	<0.1	10.89	<0.1	13	6.1	38	9.9	3.65	2.0	<0.05	0.35	5.0	11.0
REP 3569697	QC		0.021																		
Core Reject Duplicates																					
3572304	Drill Core	6.29	<0.005	0.3	8.17	3	521	2	<0.1	3.82	<0.1	87	60.0	50	37.5	8.04	4.1	0.08	3.79	42.9	71.2
DUP 3572304	QC		<0.005	0.2	8.06	2	530	2	<0.1	3.78	<0.1	87	57.4	49	37.5	8.08	3.9	0.11	3.80	44.2	68.8
3569677	Drill Core	5.11	<0.005	<0.1	4.16	1	11	1	<0.1	25.93	<0.1	39	9.0	43	10.3	1.74	1.9	0.06	0.04	19.9	1.4
DUP 3569677	QC		<0.005	<0.1	4.09	<1	11	<1	<0.1	25.10	<0.1	38	8.6	46	10.1	1.67	2.0	0.05	0.04	20.1	1.7
Reference Materials																					
STD OREAS25A-4A	Standard			<0.1	8.61	10	144	<1	0.4	0.27	<0.1	47	7.2	104	32.1	6.31	3.9	0.08	0.45	22.7	36.2
STD OREAS25A-4A	Standard			<0.1	8.26	9	137	<1	0.3	0.25	<0.1	41	6.9	112	31.5	6.31	3.7	0.06	0.47	18.0	35.1
STD OREAS25A-4A	Standard			<0.1	8.92	9	151	<1	0.4	0.27	<0.1	45	8.2	115	33.2	6.63	4.0	0.07	0.50	21.7	39.0
STD OREAS45E	Standard			0.3	6.80	18	252	<1	0.3	0.06	<0.1	25	55.4	969	750.9	23.58	2.8	0.11	0.33	12.2	6.8
STD OREAS45E	Standard			0.3	6.95	17	258	<1	0.2	0.06	<0.1	25	61.3	1073	783.1	24.54	3.0	0.12	0.35	11.7	7.7
STD OREAS45H	Standard			0.1	8.16	17	360	<1	0.2	0.14	<0.1	25	94.7	604	785.9	19.76	3.3	0.10	0.21	12.8	12.5
STD OXC145	Standard		0.203																		
STD OXC145	Standard		0.200																		
STD OXH139	Standard		1.254																		
STD OXH139	Standard		1.250																		
STD OXN134	Standard		7.236																		
STD OXN134	Standard		7.315																		
STD OXC145 Expected			0.212																		
STD OXN134 Expected			7.667																		

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 30, 2020

QUALITY CONTROL REPORT TIM20000004.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
Pulp Duplicates																					
3572285	Drill Core	2.22	81	0.5	5.232	4.8	48.4	0.041	6.6	41.7	<0.005	0.3	0.4	11	<1	1.1	74	0.4	<0.5	7.1	0.200
REP 3572285	QC																				
3569652	Drill Core	2.17	231	0.2	5.515	3.6	38.7	0.049	8.1	23.6	<0.005	0.3	0.3	12	<1	1.1	78	0.3	0.5	9.4	0.142
REP 3569652	QC	2.17	229	0.2	5.732	3.4	38.3	0.053	7.7	23.8	<0.005	0.3	0.3	11	<1	0.9	78	0.3	0.7	9.6	0.137
3569687	Drill Core	7.28	927	0.3	2.338	1.2	7.3	0.020	1.4	2.1	<0.005	<0.1	0.3	13	<1	0.2	94	<0.1	4.8	4.3	0.039
REP 3569687	QC	7.38	926	0.5	2.333	1.4	8.0	0.021	1.4	2.1	<0.005	<0.1	0.3	13	<1	0.2	99	0.1	2.0	4.3	0.038
3569697	Drill Core	6.67	1357	0.8	2.437	1.3	45.6	0.027	0.9	14.0	<0.005	<0.1	0.2	7	<1	<0.1	62	0.2	2.7	6.0	0.049
REP 3569697	QC																				
Core Reject Duplicates																					
3572304	Drill Core	3.80	839	0.5	1.377	8.3	76.8	0.244	10.1	31.7	<0.005	0.5	1.1	25	<1	1.3	350	0.5	0.8	0.7	1.816
DUP 3572304	QC	3.77	844	0.7	1.360	8.4	74.4	0.248	10.1	33.0	<0.005	0.4	1.0	25	<1	1.5	359	0.5	<0.5	0.6	1.772
3569677	Drill Core	1.00	359	0.8	2.871	5.0	34.8	0.025	1.9	0.3	<0.005	<0.1	0.8	9	<1	1.2	237	0.4	0.6	6.7	0.208
DUP 3569677	QC	0.96	350	0.8	2.813	5.1	34.0	0.026	1.8	0.4	<0.005	<0.1	0.6	8	<1	1.3	233	0.4	2.4	6.2	0.189
Reference Materials																					
STD OREAS25A-4A	Standard	0.35	470	2.4	0.120	18.7	42.2	0.044	24.6	56.0	<0.005	<0.1	0.6	12	2	4.0	50	1.3	<0.5	14.7	0.868
STD OREAS25A-4A	Standard	0.33	466	2.3	0.125	17.8	41.7	0.046	22.4	51.9	<0.005	<0.1	0.6	11	2	3.5	44	1.4	<0.5	14.4	0.860
STD OREAS25A-4A	Standard	0.34	480	2.2	0.121	18.4	44.3	0.047	25.6	56.6	<0.005	<0.1	0.6	12	2	3.8	48	1.3	<0.5	14.8	0.875
STD OREAS45E	Standard	0.17	550	2.2	0.056	5.9	458.9	0.033	19.4	21.5	<0.005	<0.1	1.0	92	3	1.3	17	0.5	<0.5	13.2	0.525
STD OREAS45E	Standard	0.17	558	2.2	0.062	6.0	464.0	0.035	19.0	21.4	<0.005	<0.1	0.9	95	3	1.0	17	0.5	<0.5	14.1	0.530
STD OREAS45H	Standard	0.27	406	1.4	0.093	13.8	439.4	0.022	13.1	22.7	<0.005	<0.1	0.6	59	2	2.1	30	0.9	<0.5	8.1	0.896
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXN134	Standard																				
STD OXN134	Standard																				
STD OXC145 Expected																					
STD OXN134 Expected																					

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 30, 2020

QUALITY CONTROL REPORT TIM20000004.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
Pulp Duplicates								
3572285	Drill Core	<0.5	1.6	74	0.8	10.3	21	112.8
REP 3572285	QC							
3569652	Drill Core	<0.5	4.1	64	0.6	16.2	2	111.1
REP 3569652	QC	<0.5	3.8	63	0.5	16.7	2	116.1
3569687	Drill Core	<0.5	1.8	70	1.7	12.6	2	51.4
REP 3569687	QC	<0.5	1.7	70	1.8	12.0	2	52.5
3569697	Drill Core	<0.5	2.4	54	1.3	9.3	5	67.3
REP 3569697	QC							
Core Reject Duplicates								
3572304	Drill Core	<0.5	0.6	265	1.6	34.1	64	154.5
DUP 3572304	QC	<0.5	0.6	266	1.5	33.1	58	161.3
3569677	Drill Core	<0.5	2.8	56	1.1	11.4	3	72.9
DUP 3569677	QC	<0.5	2.6	54	0.8	11.0	4	72.6
Reference Materials								
STD OREAS25A-4A	Standard	<0.5	2.7	140	1.8	9.8	42	145.8
STD OREAS25A-4A	Standard	<0.5	2.5	150	1.8	8.7	41	138.9
STD OREAS25A-4A	Standard	<0.5	2.8	143	1.6	9.6	42	147.8
STD OREAS45E	Standard	<0.5	2.5	314	1.0	8.8	47	99.2
STD OREAS45E	Standard	<0.5	2.6	318	1.0	8.0	49	92.5
STD OREAS45H	Standard	<0.5	1.8	248	0.9	10.5	43	126.2
STD OXC145	Standard							
STD OXC145	Standard							
STD OXH139	Standard							
STD OXH139	Standard							
STD OXN134	Standard							
STD OXN134	Standard							
STD OXC145 Expected								
STD OXN134 Expected								

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 30, 2020

QUALITY CONTROL REPORT TIM20000004.1

		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
STD OXH139 Expected			1.312																		
STD OREAS45E Expected				0.311	6.78	16.3	252		0.28	0.065	0.06	23.5	57	979	780	24.12	3.11	0.099	0.324	11	6.58
STD OREAS25A-4A Expected					8.87	9.94	147	0.93	0.37	0.301		47.3	7.7	115	33.9	6.6	4.14	0.09	0.482	21.8	36.7
STD OREAS45H Expected				0.147	7.99	16.9	332	1.09	0.17	0.135		23.6	88	602	767	19.52	3.6	0.1	0.205	12.4	13.1
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	2	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	0.2
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	0.3	0.03	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	0.5	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
Prep Wash																					
ROCK-TIM	Prep Blank		<0.005	<0.1	7.04	3	774	<1	<0.1	1.43	<0.1	25	4.2	4	5.5	2.24	1.6	0.06	1.47	13.1	3.0
ROCK-TIM	Prep Blank		<0.005	<0.1	7.01	2	769	1	<0.1	1.43	<0.1	23	4.3	4	5.0	2.25	1.5	<0.05	1.48	12.5	2.3

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: January 30, 2020

QUALITY CONTROL REPORT TIM20000004.1

		MA200 Mg % 0.01	MA200 Mn ppm 1	MA200 Mo ppm 0.1	MA200 Na % 0.001	MA200 Nb ppm 0.1	MA200 Ni ppm 0.1	MA200 P % 0.001	MA200 Pb ppm 0.1	MA200 Rb ppm 0.1	MA200 Re ppm 0.005	MA200 S % 0.1	MA200 Sb ppm 0.1	MA200 Sc ppm 1	MA200 Se ppm 1	MA200 Sn ppm 0.1	MA200 Sr ppm 1	MA200 Ta ppm 0.1	MA200 Te ppm 0.5	MA200 Th ppm 0.1	MA200 Ti % 0.001
STD OXH139 Expected																					
STD OREAS45E Expected		0.156	570	2.4	0.059	6.8	454	0.034	18.2	21.2		0.046	1	93	2.97	1.32	15.9	0.54	0.1	12.9	0.559
STD OREAS25A-4A Expected		0.327	480	2.41	0.131	20.9	45.8	0.048	25.2	61		0.047	0.65	13.7	2.4	4.06	48.5	1.4		15.8	0.93
STD OREAS45H Expected		0.238	380	1.55	0.09	14.8	423	0.023	11.9	22.5			0.63	57	2.02	1.93	27.1	1.08		7.26	0.878
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<1	<0.1	0.004	<0.1	<0.1	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	2	<0.1	0.004	<0.1	0.2	<0.001	<0.1	0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.002	<0.1	0.4	<0.001	<0.1	0.2	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	0.006
Prep Wash																					
ROCK-TIM	Prep Blank	0.60	675	0.8	3.530	5.3	1.7	0.044	2.7	29.7	<0.005	<0.1	0.1	7	<1	0.8	214	0.4	<0.5	3.1	0.202
ROCK-TIM	Prep Blank	0.61	691	1.0	3.489	5.1	2.0	0.041	2.5	26.7	<0.005	<0.1	<0.1	7	<1	0.6	206	0.4	<0.5	2.8	0.204

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Project: SPJ
Report Date: January 30, 2020

QUALITY CONTROL REPORT TIM20000004.1

		MA200 Tl ppm 0.5	MA200 U ppm 0.1	MA200 V ppm 1	MA200 W ppm 0.1	MA200 Y ppm 0.1	MA200 Zn ppm 1	MA200 Zr ppm 0.1
STD OXH139 Expected								
STD OREAS45E Expected		0.15	2.41	322	1.07	8.28	46.7	97
STD OREAS25A-4A Expected		0.35	2.94	157	2	10.5	44.4	155
STD OREAS45H Expected			1.68	263	0.99	10.4	39.7	131
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	0.1
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1
Prep Wash								
ROCK-TIM	Prep Blank	<0.5	1.2	36	0.3	17.1	39	48.4
ROCK-TIM	Prep Blank	<0.5	1.1	37	0.2	16.0	33	47.0

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By:	Quentin Yarie
Receiving Lab:	Canada-Timmins
Received:	January 30, 2020
Analysis Start:	February 04, 2020
Report Date:	February 11, 2020
Page:	1 of 2

CERTIFICATE OF ANALYSIS TIM20000004M.1

CLIENT JOB INFORMATION

Project:	SPJ
Shipment ID:	
P.O. Number	
Number of Samples:	1

SAMPLE DISPOSAL

RTRN-PLP	Return After 90 days
RTRN-RJT	Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PUL85	1	Pulverize to 85% passing 200 mesh			TIM
SPTRF	1	Split samples by riffle splitter			TIM
FS652	1	Metallic Sieve 1 kg to 150 mesh - save + and - fraction			TIM
FS652	1	Metallic Fire Assay - duplicate minus fraction analysis	50	Completed	TIM
FA550	1	Lead collection fire assay 50G fusion - Grav finish	50	Completed	TIM
FA550	1	Lead collection fire assay 50G fusion - Grav finish	50	Completed	TIM

ADDITIONAL COMMENTS

Invoice To: MacDonald Mines Exploration Ltd.
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8
Canada

CC:

MAY LAI
Data Validation Specialist

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All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

BUREAU VERITAS
MINERAL LABORATORIES
Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: February 11, 2020

CERTIFICATE OF ANALYSIS TIM20000004M.1

	Method	M150 1kg	FA450	FA450	FS652	FS652	FS652	FA550	FA550
	Analyte	TotWt	-Au	-Au + Au Wt		+ Au	Au Total	-Au	-Au
	Unit	g	gm/t	gm/t	g	gm/t	gm/t	gm/t	gm/t
	MDL	1	0.005	0.005	0.01	0.05	0.05	0.9	0.9
3572293	Drill Core	1051	>10	>10	38.97	15.86	13.42	13.4	13.3

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: February 11, 2020

QUALITY CONTROL REPORT TIM20000004M.1

	Method	M150 1kg	FA450	FA450	FS652	FS652	FS652	FA550	FA550
	Analyte	TotWt	-Au	-Au	+ Au Wt	+ Au	Au Total	-Au	-Au
	Unit	g	gm/t	gm/t	g	gm/t	gm/t	gm/t	gm/t
	MDL	1	0.005	0.005	0.01	0.05	0.05	0.9	0.9
Pulp Duplicates									
3572293	Drill Core	1051	>10	>10	38.97	15.86	13.42	13.4	13.3
REP 3572293	QC			>10					
Reference Materials									
STD OXC145	Standard		0.199						
STD OXC145	Standard			0.216					
STD OXH139	Standard			1.249					
STD OXN134	Standard		7.305						
STD OXN134	Standard			7.526					
STD OXP116	Standard								15.0
STD OXP116	Standard							15.0	
STD OXQ90	Standard				49.15	24.13			
STD OXQ90	Standard								25.2
STD OXQ90	Standard								25.2
STD OXQ90	Standard							24.5	
STD OXQ90	Standard							25.2	
STD OXQ90 Expected						24.88			
BLK	Blank		<0.005						
BLK	Blank		<0.005						
BLK	Blank				50.00	<0.05			
BLK	Blank			0.006					
BLK	Blank			<0.005					
BLK	Blank								<0.9
BLK	Blank							<0.9	
Prep Wash									
ROCK-TIM	Prep Blank	1025	<0.005	<0.005	39.75	<0.05	<0.05		

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Submitted By:	Quentin Yarie
Receiving Lab:	Canada-Timmins
Received:	December 17, 2019
Analysis Start:	January 24, 2020
Report Date:	February 06, 2020
Page:	1 of 4

CERTIFICATE OF ANALYSIS TIM20000005.1

CLIENT JOB INFORMATION

Project:	SPJ
Shipment ID:	
P.O. Number	
Number of Samples:	79

SAMPLE DISPOSAL

RTRN-PLP	Return After 90 days
RTRN-RJT	Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP85-500	74	Crush split and pulverize 250g of sample to 200mesh			TIM
SHP01	79	Per sample shipping charges for branch shipments			TIM
SLBHP	5	Sort, label and box pulps			TIM
FA450	79	50g Lead Collection Fire Assay Fusion - AAS Finish	50	Completed	TIM
EN002	79	Environmental disposal charge-Fire assay lead waste			TIM
MA200	79	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
EN001-MA	79	Environmental disposal fee - Multi-acid neutralization			VAN

ADDITIONAL COMMENTS

Invoice To: MacDonald Mines Exploration Ltd.
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Data Validation Specialist

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: February 06, 2020

CERTIFICATE OF ANALYSIS TIM20000005.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3569700	Rock Pulp	0.07	1.508	0.3	7.14	567	338	<1	<0.1	5.69	0.2	36	43.0	201	80.4	8.39	3.2	0.07	0.68	19.6	8.6
3569701	Drill Core	5.17	<0.005	<0.1	2.29	9	114	<1	<0.1	25.08	<0.1	21	11.7	25	34.5	1.00	1.2	<0.05	0.43	10.7	9.8
3569702	Drill Core	5.65	0.008	<0.1	2.84	8	169	<1	<0.1	23.84	<0.1	28	5.7	32	12.6	1.56	1.5	<0.05	0.49	14.6	11.5
3569703	Drill Core	4.89	0.012	<0.1	2.61	2	176	<1	<0.1	25.31	<0.1	23	7.9	33	9.0	1.39	1.3	<0.05	0.51	11.9	12.9
3569704	Drill Core	7.66	0.007	<0.1	2.21	<1	161	<1	<0.1	27.89	<0.1	21	5.7	27	22.8	1.12	1.1	<0.05	0.47	10.6	12.5
3569705	Drill Core	6.05	<0.005	<0.1	2.97	<1	254	<1	0.2	25.15	<0.1	28	6.2	35	16.6	1.73	1.6	<0.05	0.69	14.2	18.8
3569706	Drill Core	6.27	0.005	<0.1	2.06	2	161	1	<0.1	26.95	<0.1	25	7.4	23	16.6	0.97	1.2	<0.05	0.41	12.8	11.7
3569707	Drill Core	6.17	0.006	<0.1	2.42	3	188	<1	0.1	25.41	<0.1	27	6.9	28	10.2	1.31	1.6	<0.05	0.52	13.5	14.9
3569708	Drill Core	6.40	0.006	<0.1	2.46	4	218	<1	<0.1	24.51	<0.1	24	7.5	29	14.1	1.34	1.2	<0.05	0.57	12.8	14.8
3569709	Drill Core	6.16	<0.005	<0.1	2.43	<1	201	<1	<0.1	26.34	<0.1	26	6.9	29	14.8	1.15	1.2	<0.05	0.50	14.4	13.1
3569710	Drill Core	6.08	0.012	<0.1	2.52	41	187	<1	0.2	25.88	<0.1	26	6.2	31	16.7	1.34	1.3	<0.05	0.51	13.2	14.5
3569711	Drill Core	6.45	0.006	<0.1	2.40	<1	164	<1	0.1	25.63	<0.1	27	6.8	29	16.0	1.24	1.2	<0.05	0.53	14.8	14.8
3569712	Drill Core	4.51	0.010	<0.1	1.94	4	190	<1	0.1	26.22	<0.1	21	7.6	23	20.0	1.14	0.9	<0.05	0.63	11.3	15.7
3569713	Drill Core	4.49	0.025	<0.1	1.92	8	117	<1	<0.1	26.08	<0.1	25	5.5	22	23.4	1.09	0.9	<0.05	0.40	13.7	12.1
3569714	Drill Core	4.83	0.032	<0.1	2.19	1	265	<1	<0.1	27.15	<0.1	26	6.0	26	16.7	1.10	1.1	<0.05	0.60	13.8	13.8
3569715	Drill Core	4.61	0.013	<0.1	2.41	1	210	<1	<0.1	26.32	<0.1	33	6.3	30	10.3	1.29	1.1	0.05	0.56	17.9	14.4
3569716	Drill Core	5.87	0.013	<0.1	2.59	<1	177	<1	<0.1	25.62	<0.1	28	8.2	31	11.1	1.38	1.5	<0.05	0.64	14.6	16.9
3569717	Drill Core	5.17	0.015	<0.1	2.22	2	255	<1	<0.1	26.55	<0.1	26	5.2	26	8.2	1.09	1.1	<0.05	0.52	13.9	12.2
3569718	Drill Core	5.21	0.012	<0.1	2.93	3	243	<1	0.1	25.03	<0.1	29	7.1	35	11.3	1.68	1.7	<0.05	0.72	15.7	19.3
3569719	Drill Core	5.81	0.019	<0.1	3.16	3	222	<1	<0.1	25.28	<0.1	36	7.3	37	12.5	1.69	1.6	0.06	0.66	19.5	16.3
3569720	Rock Pulp	0.07	0.522	0.9	6.51	22	219	<1	0.2	5.55	<0.1	12	44.2	270	128.3	7.28	1.5	0.05	0.48	5.3	18.5
3569721	Drill Core	4.18	0.020	<0.1	2.70	9	197	<1	0.2	25.62	<0.1	32	5.9	28	8.6	1.60	1.3	<0.05	0.50	17.1	13.2
3569722	Drill Core	4.28	0.043	<0.1	2.42	27	264	<1	0.2	24.80	<0.1	30	5.3	30	12.5	1.37	1.2	<0.05	0.55	15.3	13.6
3569723	Drill Core	5.43	0.031	0.1	2.08	10	186	<1	0.3	26.92	<0.1	32	6.7	20	15.8	1.55	1.1	<0.05	0.66	16.3	18.3
3569724	Drill Core	4.16	0.023	<0.1	2.72	12	224	<1	0.3	23.72	<0.1	28	8.5	36	11.8	1.66	1.6	<0.05	0.76	14.3	25.7
3569725	Silica	0.20	<0.005	<0.1	9.27	1	18	<1	<0.1	0.26	<0.1	1	<0.2	<1	0.2	0.16	0.2	<0.05	4.18	0.6	24.7
3569726	Drill Core	5.20	0.017	<0.1	2.13	4	171	<1	0.1	26.64	<0.1	26	5.8	27	8.7	1.21	1.1	<0.05	0.62	13.6	16.1
3569727	Drill Core	5.73	0.020	<0.1	2.53	6	154	<1	0.1	25.40	<0.1	30	5.6	28	11.3	1.42	1.3	<0.05	0.72	15.6	18.8
3569728	Drill Core	5.07	0.060	<0.1	2.27	64	173	<1	0.2	25.38	<0.1	27	6.1	19	8.6	1.38	1.1	<0.05	0.99	14.9	21.7
3569729	Drill Core	4.02	0.015	<0.1	2.57	26	240	1	0.1	23.92	<0.1	32	6.0	21	12.7	1.42	1.5	<0.05	1.21	17.2	28.7

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: February 06, 2020

CERTIFICATE OF ANALYSIS TIM20000005.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3569700	Rock Pulp	3.95	1883	2.3	2.079	18.5	133.4	0.171	4.9	20.8	<0.005	0.8	2.2	20	<1	1.6	382	1.1	0.7	3.4	0.919
3569701	Drill Core	0.64	683	0.3	1.455	3.0	18.6	0.016	3.8	23.6	<0.005	<0.1	<0.1	4	2	1.0	183	0.2	3.5	4.1	0.100
3569702	Drill Core	0.69	561	0.3	1.652	3.8	19.6	0.018	1.8	30.9	<0.005	<0.1	0.1	6	<1	0.6	164	0.3	2.8	4.8	0.125
3569703	Drill Core	0.60	580	0.4	1.535	3.4	20.3	0.018	1.6	29.7	<0.005	<0.1	0.1	5	<1	0.8	169	0.3	1.3	4.3	0.118
3569704	Drill Core	0.52	645	0.5	1.310	2.8	17.6	0.016	2.8	25.7	<0.005	<0.1	<0.1	4	<1	0.3	170	0.2	1.7	3.6	0.097
3569705	Drill Core	0.75	640	0.4	1.244	4.1	21.4	0.020	2.1	36.7	<0.005	<0.1	0.5	5	<1	0.7	234	0.3	2.3	5.2	0.129
3569706	Drill Core	0.44	685	0.2	1.148	2.9	16.0	0.016	2.7	22.4	<0.005	<0.1	0.2	4	<1	0.3	189	0.2	2.9	3.8	0.091
3569707	Drill Core	0.57	645	0.3	1.092	3.3	16.8	0.017	1.6	29.1	<0.005	<0.1	0.3	5	<1	0.5	224	0.3	3.9	4.6	0.108
3569708	Drill Core	0.61	605	0.3	1.123	3.6	17.8	0.016	1.9	27.2	<0.005	<0.1	0.3	5	<1	0.5	192	0.2	2.8	4.5	0.112
3569709	Drill Core	0.51	679	0.4	1.266	3.6	16.6	0.016	1.8	23.9	<0.005	<0.1	0.3	5	<1	0.4	199	0.3	2.0	4.3	0.109
3569710	Drill Core	0.61	673	0.4	1.239	3.6	17.7	0.017	2.8	26.5	<0.005	<0.1	0.2	5	<1	0.4	214	0.3	2.2	4.5	0.109
3569711	Drill Core	0.65	632	0.3	1.170	3.4	17.0	0.016	3.0	25.5	<0.005	<0.1	0.2	5	1	0.4	231	0.3	2.8	4.5	0.108
3569712	Drill Core	0.73	676	0.5	0.825	2.6	16.8	0.013	4.3	26.0	<0.005	0.1	0.3	4	1	0.4	251	0.2	3.0	3.7	0.088
3569713	Drill Core	0.49	635	0.4	0.905	2.9	19.3	0.014	2.8	21.8	<0.005	<0.1	0.2	4	<1	0.3	289	0.2	3.3	3.6	0.085
3569714	Drill Core	0.59	716	0.5	0.964	3.0	17.1	0.017	2.7	27.3	<0.005	<0.1	0.1	4	<1	0.4	262	0.2	3.5	3.7	0.101
3569715	Drill Core	0.60	702	0.5	0.923	3.2	16.7	0.017	2.7	29.9	<0.005	<0.1	0.2	5	<1	1.0	232	0.2	2.9	4.4	0.106
3569716	Drill Core	0.66	648	0.4	1.183	3.8	19.0	0.016	3.8	30.0	<0.005	<0.1	0.2	5	<1	1.0	207	0.3	4.2	4.7	0.115
3569717	Drill Core	0.51	672	0.3	0.913	3.1	13.7	0.015	3.3	24.5	<0.005	<0.1	0.2	4	<1	0.4	201	0.2	3.5	3.9	0.098
3569718	Drill Core	0.75	716	0.2	1.218	4.1	20.1	0.020	4.4	37.4	<0.005	<0.1	0.3	5	<1	0.8	203	0.3	2.8	5.4	0.132
3569719	Drill Core	0.71	903	0.4	1.356	4.3	20.9	0.020	4.4	35.9	<0.005	<0.1	0.3	6	<1	0.8	226	0.4	3.1	5.5	0.142
3569720	Rock Pulp	4.18	1224	2.7	1.964	3.1	120.3	0.042	16.7	14.6	<0.005	0.4	0.4	34	<1	0.5	109	0.2	1.4	1.1	0.588
3569721	Drill Core	0.64	1088	0.2	1.148	3.9	19.6	0.017	3.0	26.7	<0.005	<0.1	0.3	5	<1	1.0	209	0.3	3.2	5.1	0.120
3569722	Drill Core	0.53	934	0.5	0.889	3.4	18.2	0.016	2.2	24.6	<0.005	<0.1	0.2	5	<1	0.7	197	0.3	3.8	4.6	0.109
3569723	Drill Core	0.66	1194	0.5	0.684	3.1	15.6	0.015	3.8	39.3	<0.005	<0.1	0.2	4	<1	0.8	205	0.3	3.5	4.5	0.095
3569724	Drill Core	0.79	850	0.5	0.978	4.0	20.0	0.018	2.9	36.9	<0.005	<0.1	0.2	5	<1	0.9	182	0.3	4.1	5.3	0.127
3569725	Silica	0.03	35	<0.1	7.842	0.1	0.3	<0.001	5.0	57.2	<0.005	<0.1	<0.1	<1	<1	<0.1	28	<0.1	<0.5	0.2	<0.001
3569726	Drill Core	0.55	912	0.2	0.855	3.1	17.0	0.014	2.9	30.6	<0.005	<0.1	0.3	4	<1	0.8	199	0.3	1.8	4.2	0.096
3569727	Drill Core	0.66	879	0.3	1.132	3.6	17.2	0.016	2.8	32.5	<0.005	<0.1	0.2	5	<1	0.8	189	0.3	3.6	5.0	0.116
3569728	Drill Core	0.77	822	0.3	0.673	3.2	17.7	0.016	3.2	32.4	<0.005	<0.1	0.2	4	<1	0.8	159	0.3	3.6	4.8	0.100
3569729	Drill Core	1.29	869	0.4	0.800	3.7	16.4	0.018	2.8	41.1	<0.005	<0.1	0.3	5	<1	0.9	151	0.3	2.8	5.3	0.114

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: February 06, 2020

CERTIFICATE OF ANALYSIS TIM20000005.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3569700	Rock Pulp	<0.5	0.9	163	1.2	20.9	104	121.1
3569701	Drill Core	<0.5	1.7	30	0.6	7.1	18	43.3
3569702	Drill Core	<0.5	1.9	35	1.0	8.1	6	55.5
3569703	Drill Core	<0.5	1.7	35	1.1	7.1	5	46.0
3569704	Drill Core	<0.5	1.6	29	0.5	6.6	6	38.2
3569705	Drill Core	<0.5	2.0	37	1.1	8.7	9	56.6
3569706	Drill Core	<0.5	1.7	26	0.7	6.7	6	37.2
3569707	Drill Core	<0.5	1.8	31	0.8	7.3	7	44.3
3569708	Drill Core	<0.5	1.7	32	0.8	7.6	8	44.4
3569709	Drill Core	<0.5	1.7	32	0.7	8.1	7	43.6
3569710	Drill Core	<0.5	1.8	33	0.7	7.9	10	44.3
3569711	Drill Core	<0.5	1.8	31	0.9	7.4	10	45.7
3569712	Drill Core	<0.5	1.6	26	0.8	6.6	13	38.0
3569713	Drill Core	<0.5	1.5	24	0.4	6.7	9	31.7
3569714	Drill Core	<0.5	1.6	30	0.6	7.3	9	37.1
3569715	Drill Core	<0.5	1.8	31	1.6	8.8	10	43.3
3569716	Drill Core	<0.5	1.8	32	0.8	8.8	13	46.9
3569717	Drill Core	<0.5	1.6	28	0.6	7.3	9	39.3
3569718	Drill Core	<0.5	1.9	38	0.9	8.9	25	53.4
3569719	Drill Core	<0.5	2.0	39	1.1	11.2	13	54.3
3569720	Rock Pulp	<0.5	0.3	263	5.3	18.5	88	47.1
3569721	Drill Core	<0.5	1.8	37	0.7	9.9	15	51.0
3569722	Drill Core	<0.5	1.7	32	0.8	8.7	11	45.4
3569723	Drill Core	<0.5	1.8	27	0.8	8.9	17	37.9
3569724	Drill Core	<0.5	1.9	38	1.0	8.3	14	53.8
3569725	Silica	0.7	0.1	<1	<0.1	1.6	5	12.9
3569726	Drill Core	<0.5	1.6	30	0.7	7.8	11	39.2
3569727	Drill Core	<0.5	1.9	34	0.9	9.1	11	44.0
3569728	Drill Core	<0.5	1.8	30	0.6	8.4	10	42.8
3569729	Drill Core	<0.5	1.9	33	0.9	9.4	11	53.2

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Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: February 06, 2020

CERTIFICATE OF ANALYSIS TIM20000005.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3569730	Drill Core	3.96	0.009	0.2	2.49	7	137	<1	0.1	25.05	<0.1	19	7.2	23	15.7	1.63	1.2	<0.05	1.25	11.0	36.0
3569731	Drill Core	3.45	0.013	0.1	3.13	11	278	1	0.1	19.76	<0.1	25	5.8	27	17.4	1.69	1.8	<0.05	1.65	14.1	28.6
3569732	Drill Core	5.26	0.014	0.1	3.49	5	226	<1	0.1	17.24	<0.1	34	8.4	37	25.0	1.90	2.1	<0.05	1.97	18.8	27.9
3569733	Drill Core	3.94	<0.005	<0.1	4.23	2	276	1	<0.1	18.27	<0.1	30	9.8	62	8.2	2.31	2.1	<0.05	0.89	15.2	18.1
3569734	Drill Core	4.43	<0.005	<0.1	4.07	2	434	<1	<0.1	18.17	<0.1	33	14.6	54	19.6	2.21	2.1	<0.05	1.05	16.9	15.8
3569735	Drill Core	5.03	<0.005	<0.1	3.68	3	389	<1	<0.1	21.56	<0.1	34	12.9	40	12.2	1.93	1.8	<0.05	0.93	17.0	14.9
3569736	Drill Core	4.76	<0.005	<0.1	2.72	<1	303	<1	<0.1	24.07	<0.1	35	5.2	24	5.4	1.07	1.6	<0.05	0.74	18.2	7.1
3569737	Drill Core	5.49	0.015	<0.1	4.35	3	588	2	<0.1	18.63	<0.1	29	13.6	49	11.3	2.64	2.2	<0.05	1.31	13.6	13.5
3569738	Drill Core	5.61	0.015	<0.1	4.05	<1	540	2	<0.1	18.96	<0.1	33	9.5	46	8.9	2.56	1.9	<0.05	1.25	17.8	10.2
3569739	Drill Core	5.42	<0.005	<0.1	3.60	2	509	1	<0.1	20.44	<0.1	40	8.9	42	11.0	2.36	2.1	<0.05	1.22	21.5	7.5
3569740	Rock Pulp	0.07	5.537	0.2	6.92	672	345	<1	<0.1	5.51	<0.1	36	40.0	188	77.4	8.27	3.0	0.06	0.61	19.6	8.6
3569741	Drill Core	5.51	<0.005	<0.1	4.19	1	535	1	<0.1	19.36	<0.1	32	15.7	57	40.9	2.87	1.7	<0.05	1.16	17.8	6.2
3569742	Drill Core	5.78	0.050	<0.1	3.23	<1	385	1	<0.1	20.39	<0.1	34	10.7	34	26.2	2.10	1.5	<0.05	1.19	18.9	15.5
3572306	Drill Core	5.07	<0.005	<0.1	6.60	12	89	2	<0.1	2.50	<0.1	45	5.2	35	15.9	1.16	2.2	<0.05	0.40	24.7	6.1
3572307	Drill Core	4.92	<0.005	<0.1	5.70	8	87	1	<0.1	1.31	<0.1	12	3.7	21	6.8	0.66	1.2	<0.05	0.31	6.3	3.0
3572308	Drill Core	6.17	<0.005	<0.1	5.23	18	71	1	<0.1	1.24	<0.1	25	2.9	26	9.7	0.67	1.7	<0.05	0.24	12.8	2.5
3572309	Drill Core	6.02	<0.005	<0.1	5.68	25	102	2	<0.1	0.64	<0.1	41	7.9	54	23.0	1.31	3.0	<0.05	0.54	22.1	10.0
3572310	Drill Core	6.12	0.005	<0.1	6.15	16	57	2	<0.1	3.12	<0.1	62	7.6	29	6.6	1.18	2.2	<0.05	0.24	33.4	3.2
3572311	Drill Core	5.92	<0.005	<0.1	5.81	7	33	1	<0.1	3.64	<0.1	39	6.0	34	4.9	1.20	2.4	<0.05	0.15	21.5	7.4
3572312	Drill Core	5.19	<0.005	<0.1	5.31	5	36	1	<0.1	1.74	<0.1	24	10.6	36	3.2	0.66	2.7	<0.05	0.14	11.8	1.5
3572313	Drill Core	5.25	<0.005	<0.1	4.39	4	39	2	<0.1	7.76	<0.1	35	6.9	47	2.7	1.96	2.3	<0.05	0.15	17.7	2.6
3572314	Drill Core	5.40	<0.005	<0.1	5.89	9	51	2	<0.1	3.02	<0.1	32	5.9	35	8.7	1.30	1.9	<0.05	0.25	16.9	3.8
3572315	Drill Core	6.21	0.008	<0.1	7.54	24	27	2	<0.1	3.42	<0.1	25	32.5	57	13.7	1.98	3.6	<0.05	0.16	12.5	4.6
3572316	Drill Core	6.96	0.017	<0.1	7.18	25	140	2	<0.1	3.26	<0.1	72	17.4	76	120.8	2.71	3.8	0.07	1.13	37.2	12.9
3572317	Drill Core	5.85	<0.005	<0.1	6.40	9	168	1	<0.1	2.86	<0.1	51	13.3	70	18.9	2.47	2.8	<0.05	1.06	28.1	8.3
3572318	Drill Core	5.71	<0.005	<0.1	6.77	7	148	2	<0.1	1.86	<0.1	52	17.8	65	8.6	2.36	3.2	<0.05	1.11	27.6	12.4
3572319	Drill Core	5.89	0.007	<0.1	5.71	15	107	2	0.2	1.31	<0.1	31	9.6	44	16.2	1.49	2.1	<0.05	0.84	13.4	8.4
3572320	Rock Pulp	0.07	0.525	1.0	6.16	23	230	<1	0.4	5.69	<0.1	12	43.5	307	131.2	7.35	1.6	0.06	0.49	5.4	20.6
3572321	Drill Core	5.21	<0.005	<0.1	5.86	3	71	1	<0.1	1.42	<0.1	14	12.2	39	3.7	0.86	2.0	<0.05	0.36	6.2	4.2
3572322	Drill Core	5.89	<0.005	<0.1	6.70	7	23	2	<0.1	1.54	<0.1	50	15.9	67	1.8	0.74	3.6	<0.05	0.11	23.5	1.2

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Project: SPJ
Report Date: February 06, 2020

CERTIFICATE OF ANALYSIS TIM20000005.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3569730	Drill Core	0.97	817	0.3	0.636	3.2	20.4	0.019	2.4	41.2	<0.005	0.1	0.3	5	1	0.7	159	0.2	2.3	4.6	0.112
3569731	Drill Core	2.00	944	0.4	0.842	3.7	20.7	0.021	3.0	42.6	<0.005	0.1	0.5	6	<1	0.8	130	0.3	4.0	6.0	0.123
3569732	Drill Core	2.72	893	0.4	0.975	4.8	25.6	0.026	3.7	40.9	<0.005	0.1	0.7	7	<1	1.0	114	0.4	2.5	6.8	0.161
3569733	Drill Core	1.72	410	0.2	2.082	4.7	36.1	0.030	8.7	24.3	<0.005	<0.1	0.5	9	<1	11.7	176	0.4	3.5	6.9	0.198
3569734	Drill Core	1.64	407	0.1	2.065	5.2	35.6	0.026	3.1	31.5	<0.005	0.1	0.6	9	<1	1.5	157	0.4	2.5	7.4	0.190
3569735	Drill Core	1.28	548	0.1	1.836	4.8	34.4	0.024	7.2	28.8	<0.005	0.1	0.6	7	<1	1.2	198	0.4	2.5	6.5	0.170
3569736	Drill Core	0.73	771	0.2	1.635	3.6	17.4	0.020	6.1	25.2	<0.005	<0.1	0.4	5	<1	1.0	190	0.3	4.0	5.0	0.126
3569737	Drill Core	1.39	562	0.3	1.823	5.6	40.1	0.028	10.0	46.7	<0.005	<0.1	1.0	10	<1	1.4	213	0.5	2.9	8.4	0.213
3569738	Drill Core	1.25	543	0.3	1.830	4.8	32.6	0.028	4.5	48.1	<0.005	<0.1	0.7	9	<1	1.0	222	0.4	3.4	6.7	0.190
3569739	Drill Core	1.15	626	0.5	1.559	4.1	30.2	0.028	3.3	41.1	<0.005	<0.1	0.6	8	<1	0.9	232	0.4	2.7	6.0	0.170
3569740	Rock Pulp	3.65	1845	2.2	2.087	18.1	137.0	0.159	4.8	21.2	<0.005	0.7	2.3	18	2	1.6	352	1.1	0.9	3.4	0.881
3569741	Drill Core	1.07	661	1.1	1.901	4.6	41.7	0.029	9.5	41.5	<0.005	0.1	0.8	9	<1	1.2	259	0.4	2.4	6.8	0.199
3569742	Drill Core	1.86	828	1.6	1.288	3.8	30.3	0.024	3.6	30.4	<0.005	0.1	0.6	7	<1	0.9	193	0.3	2.3	5.3	0.155
3572306	Drill Core	2.00	234	0.6	5.206	1.2	28.0	0.038	1.6	17.1	<0.005	<0.1	0.2	13	<1	0.3	91	0.1	0.6	6.1	0.049
3572307	Drill Core	1.01	116	<0.1	5.253	0.6	13.6	0.026	1.5	7.8	<0.005	<0.1	0.2	5	<1	0.2	81	<0.1	<0.5	2.6	0.032
3572308	Drill Core	0.90	108	0.2	5.035	0.8	20.5	0.031	1.6	5.4	<0.005	<0.1	0.2	6	1	0.3	66	<0.1	<0.5	5.3	0.031
3572309	Drill Core	1.88	68	1.6	5.666	1.5	54.3	0.046	1.7	10.6	<0.005	<0.1	0.2	11	<1	0.3	70	0.1	<0.5	5.6	0.079
3572310	Drill Core	2.04	315	2.0	4.979	1.6	19.9	0.033	1.5	7.6	<0.005	0.1	0.3	12	1	0.4	81	0.2	0.7	7.1	0.053
3572311	Drill Core	2.23	364	0.8	4.818	1.2	13.4	0.033	1.4	2.6	<0.005	<0.1	0.2	15	<1	0.2	71	0.1	<0.5	6.8	0.042
3572312	Drill Core	0.91	150	0.6	5.800	1.9	8.7	0.040	1.3	0.7	<0.005	<0.1	0.2	5	<1	0.3	52	0.2	<0.5	5.7	0.072
3572313	Drill Core	4.40	696	0.7	3.585	0.9	13.9	0.027	1.4	4.3	<0.005	<0.1	0.2	33	<1	0.2	89	0.1	1.3	6.1	0.034
3572314	Drill Core	2.19	433	0.2	4.563	1.2	15.3	0.035	1.8	4.7	<0.005	<0.1	0.1	14	2	0.3	78	0.1	0.5	5.8	0.044
3572315	Drill Core	2.79	497	0.1	5.680	2.1	27.0	0.043	3.8	2.7	<0.005	0.2	0.3	19	2	0.5	71	0.2	0.9	13.3	0.073
3572316	Drill Core	2.31	160	0.1	4.856	2.4	69.2	0.053	6.0	83.6	<0.005	0.3	0.3	12	2	2.1	97	0.2	0.6	12.4	0.168
3572317	Drill Core	1.64	112	0.1	4.782	2.0	42.0	0.050	2.7	69.5	<0.005	0.2	0.3	10	1	2.0	101	0.2	0.7	8.4	0.171
3572318	Drill Core	2.10	137	0.7	4.739	1.7	45.6	0.049	2.1	57.0	<0.005	0.2	0.2	11	<1	1.3	74	0.2	<0.5	8.7	0.135
3572319	Drill Core	1.50	131	0.5	4.961	1.6	32.3	0.039	2.1	32.6	<0.005	0.3	0.2	7	<1	0.9	66	0.2	<0.5	4.8	0.086
3572320	Rock Pulp	4.01	1238	3.5	1.932	3.6	122.4	0.044	17.8	16.2	<0.005	0.4	0.5	35	<1	0.8	115	0.3	1.3	1.2	0.533
3572321	Drill Core	1.02	119	0.3	5.385	1.2	20.2	0.038	1.6	14.7	<0.005	0.1	0.2	5	<1	0.4	64	0.1	<0.5	5.1	0.056
3572322	Drill Core	0.78	132	1.4	6.688	2.4	12.3	0.059	1.6	1.5	<0.005	0.2	0.3	5	<1	0.5	47	0.2	<0.5	9.1	0.083

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Project: SPJ
Report Date: February 06, 2020

CERTIFICATE OF ANALYSIS TIM20000005.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3569730	Drill Core	<0.5	1.7	36	0.9	5.9	13	41.3
3569731	Drill Core	<0.5	1.9	40	1.0	9.3	10	60.8
3569732	Drill Core	<0.5	2.3	49	1.0	11.8	8	75.6
3569733	Drill Core	<0.5	2.6	64	0.9	10.6	4	71.3
3569734	Drill Core	<0.5	2.9	58	0.8	10.3	7	73.4
3569735	Drill Core	<0.5	2.6	51	0.7	10.2	4	68.1
3569736	Drill Core	<0.5	2.1	36	0.6	9.2	4	54.8
3569737	Drill Core	<0.5	3.2	68	0.8	12.2	8	72.0
3569738	Drill Core	<0.5	2.7	61	0.7	10.8	7	69.4
3569739	Drill Core	<0.5	2.4	52	0.8	10.3	6	67.6
3569740	Rock Pulp	<0.5	1.0	158	1.3	20.3	108	121.9
3569741	Drill Core	<0.5	2.6	68	0.9	11.0	9	67.2
3569742	Drill Core	<0.5	2.1	51	0.7	10.6	4	55.3
3572306	Drill Core	<0.5	1.6	53	0.9	9.2	3	78.0
3572307	Drill Core	<0.5	0.8	31	0.7	3.2	2	40.2
3572308	Drill Core	<0.5	1.3	31	1.2	4.5	1	66.7
3572309	Drill Core	<0.5	1.6	87	0.6	6.4	4	107.6
3572310	Drill Core	<0.5	2.5	49	1.4	13.1	2	81.0
3572311	Drill Core	<0.5	2.3	41	1.1	11.8	8	86.3
3572312	Drill Core	<0.5	1.5	27	1.6	6.6	6	102.0
3572313	Drill Core	<0.5	2.3	58	1.0	15.2	2	66.4
3572314	Drill Core	<0.5	2.1	37	1.2	9.6	4	68.3
3572315	Drill Core	<0.5	5.2	61	2.6	16.1	7	130.9
3572316	Drill Core	<0.5	6.0	87	0.3	14.3	9	128.0
3572317	Drill Core	<0.5	2.9	75	0.2	9.4	10	108.6
3572318	Drill Core	<0.5	3.5	70	0.2	12.4	4	113.7
3572319	Drill Core	<0.5	1.8	47	0.3	7.2	3	74.2
3572320	Rock Pulp	<0.5	0.3	276	5.9	20.5	91	60.9
3572321	Drill Core	<0.5	1.9	38	0.4	5.1	1	72.2
3572322	Drill Core	<0.5	3.9	43	1.4	8.3	<1	125.0

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Bureau Veritas Commodities Canada Ltd.

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: February 06, 2020

CERTIFICATE OF ANALYSIS TIM20000005.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
3572323	Drill Core	5.31	<0.005	<0.1	6.99	7	48	2	<0.1	2.40	<0.1	21	20.6	66	2.9	1.22	3.9	<0.05	0.35	8.9	4.3
3572324	Drill Core	4.83	<0.005	<0.1	6.60	6	35	2	<0.1	2.16	<0.1	22	10.9	57	4.0	0.96	3.9	<0.05	0.25	9.5	2.4
3572325	Silica	0.21	<0.005	<0.1	6.29	<1	10	<1	<0.1	0.11	<0.1	<1	<0.2	<1	<0.1	0.16	0.1	<0.05	3.98	0.1	22.9
3572326	Drill Core	5.25	<0.005	<0.1	8.04	7	20	1	<0.1	4.42	<0.1	58	15.5	69	7.3	1.09	3.9	<0.05	0.11	29.7	1.1
3572327	Drill Core	5.59	<0.005	<0.1	7.42	14	78	2	<0.1	2.87	<0.1	63	36.7	77	18.7	1.82	4.1	<0.05	0.75	27.9	6.9
3572328	Drill Core	5.56	<0.005	<0.1	6.39	6	71	2	<0.1	1.88	<0.1	42	24.3	67	6.4	1.55	4.1	<0.05	0.70	19.0	6.3
3572329	Drill Core	5.46	0.006	<0.1	6.30	6	91	2	<0.1	1.51	<0.1	38	20.7	63	3.9	1.80	3.5	<0.05	0.72	19.5	9.3
3572330	Drill Core	5.41	<0.005	<0.1	6.12	6	78	3	<0.1	1.26	<0.1	26	19.4	55	4.8	1.37	3.9	<0.05	0.52	11.2	8.6
3572331	Drill Core	5.12	<0.005	<0.1	7.33	10	71	2	<0.1	2.01	<0.1	34	33.2	69	3.2	1.34	3.5	<0.05	0.50	16.7	7.9
3572332	Drill Core	4.99	0.006	<0.1	6.17	6	42	2	<0.1	1.76	<0.1	51	21.9	61	2.8	1.10	3.8	<0.05	0.26	26.0	4.6
3572333	Drill Core	5.92	<0.005	<0.1	6.22	4	89	2	<0.1	1.67	<0.1	36	16.7	63	3.2	1.47	3.8	<0.05	0.52	17.0	8.0
3572334	Drill Core	5.44	0.005	<0.1	6.59	4	79	2	<0.1	2.31	<0.1	63	16.7	63	3.0	1.49	3.5	<0.05	0.50	31.0	7.9
3572335	Drill Core	5.48	<0.005	<0.1	6.64	3	37	<1	<0.1	1.79	<0.1	25	5.9	87	1.4	0.92	3.8	<0.05	0.22	11.8	2.7
3572336	Drill Core	5.91	<0.005	<0.1	6.68	3	43	1	<0.1	2.16	<0.1	14	6.5	98	9.0	1.12	3.9	<0.05	0.26	6.4	3.9
3572337	Drill Core	5.54	<0.005	<0.1	6.41	7	72	1	<0.1	1.71	<0.1	18	9.2	79	1.7	1.37	3.5	<0.05	0.47	8.1	6.4
3572338	Drill Core	5.77	0.005	<0.1	6.65	10	210	2	0.2	1.35	<0.1	28	22.1	103	2.4	3.94	3.5	<0.05	1.35	13.9	17.4
3572339	Drill Core	6.41	0.007	<0.1	6.79	11	195	1	<0.1	2.24	<0.1	40	24.5	98	3.8	3.44	3.8	<0.05	1.29	18.2	15.0
3572340	Rock Pulp	0.07	0.534	0.2	7.00	4	138	<1	<0.1	6.64	0.1	10	45.9	171	142.5	7.72	1.6	0.08	0.18	3.7	11.3
3572341	Drill Core	5.58	<0.005	<0.1	6.75	1	135	1	<0.1	2.42	<0.1	62	8.6	90	0.8	2.26	3.7	<0.05	1.01	27.0	13.2

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: February 06, 2020

CERTIFICATE OF ANALYSIS TIM20000005.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
3572323	Drill Core	1.53	172	0.8	7.196	4.5	26.5	0.053	2.1	9.8	<0.005	0.2	0.5	8	<1	0.9	42	0.4	<0.5	8.9	0.188
3572324	Drill Core	1.30	156	0.4	7.094	5.4	17.9	0.052	2.4	4.0	<0.005	0.1	0.6	5	<1	0.9	38	0.5	0.6	8.8	0.199
3572325	Silica	0.02	29	<0.1	8.210	<0.1	0.5	<0.001	3.1	49.4	<0.005	<0.1	<0.1	<1	<1	<0.1	15	<0.1	<0.5	0.1	<0.001
3572326	Drill Core	2.13	311	0.2	7.156	6.9	11.3	0.059	1.9	1.6	<0.005	0.2	0.6	10	1	0.8	60	0.6	0.7	13.6	0.233
3572327	Drill Core	2.17	235	0.3	6.214	4.3	56.8	0.055	2.9	40.9	<0.005	0.4	0.6	11	2	1.6	63	0.4	0.8	10.6	0.181
3572328	Drill Core	1.69	148	0.6	5.889	3.9	33.8	0.055	2.3	27.7	<0.005	0.3	0.3	9	<1	1.1	47	0.4	<0.5	9.4	0.158
3572329	Drill Core	1.75	167	0.5	5.185	1.7	38.8	0.051	2.5	32.9	<0.005	0.2	0.2	9	<1	0.7	54	0.2	<0.5	8.0	0.104
3572330	Drill Core	1.35	120	2.4	5.860	2.1	36.5	0.049	2.5	14.9	<0.005	0.2	0.2	8	<1	0.7	66	0.2	<0.5	7.0	0.091
3572331	Drill Core	1.65	159	1.5	6.654	2.6	51.5	0.061	2.6	21.6	<0.005	0.3	0.4	11	1	0.6	49	0.3	<0.5	10.3	0.125
3572332	Drill Core	1.16	149	1.4	6.238	2.4	31.5	0.057	1.6	4.7	<0.005	0.3	0.3	7	<1	0.7	47	0.2	<0.5	7.6	0.098
3572333	Drill Core	1.56	151	0.7	5.458	2.0	37.3	0.058	1.6	20.4	<0.005	0.1	0.3	9	1	0.9	61	0.2	<0.5	7.6	0.106
3572334	Drill Core	1.87	166	0.7	5.250	1.8	31.9	0.063	1.6	25.4	<0.005	0.1	0.3	10	2	0.9	67	0.2	0.7	8.2	0.098
3572335	Drill Core	1.11	133	0.3	7.184	3.9	20.3	0.048	1.2	3.2	<0.005	<0.1	0.6	9	<1	0.6	34	0.3	<0.5	8.1	0.162
3572336	Drill Core	1.47	191	0.2	6.776	3.2	23.4	0.047	1.1	5.3	<0.005	<0.1	0.5	12	<1	1.7	42	0.3	0.6	10.3	0.141
3572337	Drill Core	1.43	145	0.3	6.282	2.4	35.8	0.047	1.1	15.2	<0.005	0.1	0.4	11	<1	0.7	44	0.2	0.5	8.8	0.135
3572338	Drill Core	2.54	103	0.1	5.352	2.1	65.8	0.053	1.1	59.6	<0.005	0.3	0.3	15	<1	1.6	42	0.2	<0.5	9.0	0.212
3572339	Drill Core	2.39	105	<0.1	5.087	3.2	61.4	0.051	1.4	56.0	<0.005	0.3	0.3	14	<1	2.0	80	0.3	0.7	9.8	0.209
3572340	Rock Pulp	4.14	1381	0.7	2.186	3.1	90.4	0.039	2.8	3.5	<0.005	0.1	0.4	41	1	0.4	115	0.2	1.2	0.4	0.651
3572341	Drill Core	2.37	134	<0.1	5.425	3.5	52.7	0.063	2.1	44.1	<0.005	<0.1	0.5	16	<1	1.7	71	0.3	0.6	9.9	0.198

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: February 06, 2020

CERTIFICATE OF ANALYSIS TIM20000005.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
3572323	Drill Core	<0.5	2.5	68	4.1	9.2	1	130.5
3572324	Drill Core	<0.5	3.5	63	4.9	8.9	<1	134.1
3572325	Silica	0.7	<0.1	<1	<0.1	0.5	2	6.4
3572326	Drill Core	<0.5	5.6	69	5.6	12.7	<1	137.5
3572327	Drill Core	<0.5	3.0	82	1.7	13.4	5	138.0
3572328	Drill Core	<0.5	2.8	67	2.8	11.3	2	141.1
3572329	Drill Core	<0.5	3.0	65	0.5	9.7	3	119.1
3572330	Drill Core	<0.5	3.4	63	0.5	8.8	1	136.5
3572331	Drill Core	<0.5	2.9	86	1.6	9.9	1	130.0
3572332	Drill Core	<0.5	2.2	62	1.0	8.8	<1	124.9
3572333	Drill Core	<0.5	2.6	63	0.6	8.5	2	128.4
3572334	Drill Core	<0.5	2.7	60	0.6	9.3	<1	117.0
3572335	Drill Core	<0.5	2.1	71	3.3	8.1	<1	135.6
3572336	Drill Core	<0.5	1.6	75	2.2	9.7	1	138.2
3572337	Drill Core	<0.5	2.0	102	1.4	8.5	<1	127.1
3572338	Drill Core	<0.5	2.0	125	0.5	9.3	3	127.3
3572339	Drill Core	<0.5	2.3	117	0.5	11.1	2	134.4
3572340	Rock Pulp	<0.5	0.1	304	1.1	20.1	76	45.4
3572341	Drill Core	<0.5	2.9	87	1.0	13.0	3	130.8

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Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: February 06, 2020

QUALITY CONTROL REPORT TIM20000005.1

	Method	WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
	Unit	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	MDL	0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
Pulp Duplicates																					
3569720	Rock Pulp	0.07	0.522	0.9	6.51	22	219	<1	0.2	5.55	<0.1	12	44.2	270	128.3	7.28	1.5	0.05	0.48	5.3	18.5
REP 3569720	QC			0.9	6.44	23	226	<1	0.2	5.56	0.2	12	42.3	275	129.7	7.22	1.4	0.09	0.47	5.7	18.6
3572318	Drill Core	5.71	<0.005	<0.1	6.77	7	148	2	<0.1	1.86	<0.1	52	17.8	65	8.6	2.36	3.2	<0.05	1.11	27.6	12.4
REP 3572318	QC			<0.1	6.52	7	144	2	<0.1	1.83	<0.1	52	16.9	64	9.1	2.34	2.8	<0.05	1.09	27.5	11.8
3572319	Drill Core	5.89	0.007	<0.1	5.71	15	107	2	0.2	1.31	<0.1	31	9.6	44	16.2	1.49	2.1	<0.05	0.84	13.4	8.4
REP 3572319	QC		0.006																		
3572329	Drill Core	5.46	0.006	<0.1	6.30	6	91	2	<0.1	1.51	<0.1	38	20.7	63	3.9	1.80	3.5	<0.05	0.72	19.5	9.3
REP 3572329	QC		<0.005																		
Core Reject Duplicates																					
3569707	Drill Core	6.17	0.006	<0.1	2.42	3	188	<1	0.1	25.41	<0.1	27	6.9	28	10.2	1.31	1.6	<0.05	0.52	13.5	14.9
DUP 3569707	QC		0.007	<0.1	2.40	1	181	<1	<0.1	25.21	<0.1	25	6.1	27	9.5	1.26	1.1	<0.05	0.48	13.1	14.1
3569741	Drill Core	5.51	<0.005	<0.1	4.19	1	535	1	<0.1	19.36	<0.1	32	15.7	57	40.9	2.87	1.7	<0.05	1.16	17.8	6.2
DUP 3569741	QC		<0.005	<0.1	4.09	2	535	1	<0.1	19.04	<0.1	34	15.4	57	37.6	2.89	2.0	<0.05	1.18	17.9	6.6
3572338	Drill Core	5.77	0.005	<0.1	6.65	10	210	2	0.2	1.35	<0.1	28	22.1	103	2.4	3.94	3.5	<0.05	1.35	13.9	17.4
DUP 3572338	QC		<0.005	<0.1	6.40	9	210	1	0.2	1.33	<0.1	25	21.9	108	2.6	3.87	3.7	<0.05	1.39	12.5	17.9
Reference Materials																					
STD OREAS25A-4A	Standard			<0.1	8.26	9	137	<1	0.3	0.25	<0.1	41	6.9	112	31.5	6.31	3.7	0.06	0.47	18.0	35.1
STD OREAS25A-4A	Standard			<0.1	8.20	10	154	1	0.3	0.24	<0.1	40	8.0	124	35.1	6.64	4.5	0.09	0.48	17.7	41.9
STD OREAS25A-4A	Standard			<0.1	8.56	9	133	1	0.2	0.26	<0.1	40	7.4	112	31.3	6.38	3.9	0.11	0.45	19.9	38.5
STD OREAS25A-4A	Standard			<0.1	8.19	11	144	<1	0.3	0.24	<0.1	42	7.0	114	32.2	6.17	4.0	0.15	0.47	17.4	38.9
STD OREAS45E	Standard			0.3	6.95	17	258	<1	0.2	0.06	<0.1	25	61.3	1073	783.1	24.54	3.0	0.12	0.35	11.7	7.7
STD OREAS45H	Standard			0.1	8.01	16	321	2	0.1	0.14	<0.1	23	85.3	651	764.5	19.45	3.4	0.11	0.19	12.8	13.9
STD OREAS45E	Standard			0.3	6.74	15	237	1	0.2	0.06	<0.1	19	56.5	967	758.1	22.87	2.7	0.05	0.33	7.8	7.2
STD OXC145	Standard		0.200																		
STD OXC145	Standard		0.209																		
STD OXH139	Standard		1.250																		
STD OXH139	Standard		1.317																		
STD OXN134	Standard		7.315																		

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QUALITY CONTROL REPORT TIM20000005.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Unit	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	1	0.1	0.001	0.1	0.1	0.001	0.1	0.1	0.005	0.1	0.1	1	1	0.1	1	0.1	0.5	0.1	0.001
Pulp Duplicates																					
3569720	Rock Pulp	4.18	1224	2.7	1.964	3.1	120.3	0.042	16.7	14.6	<0.005	0.4	0.4	34	<1	0.5	109	0.2	1.4	1.1	0.588
REP 3569720	QC	4.12	1224	2.9	1.951	3.4	118.0	0.042	17.1	15.3	<0.005	0.4	0.4	33	<1	0.5	113	0.2	1.0	1.1	0.579
3572318	Drill Core	2.10	137	0.7	4.739	1.7	45.6	0.049	2.1	57.0	<0.005	0.2	0.2	11	<1	1.3	74	0.2	<0.5	8.7	0.135
REP 3572318	QC	2.06	134	0.4	4.540	1.7	44.5	0.047	2.0	54.3	<0.005	0.2	0.2	11	1	1.3	71	0.2	<0.5	8.5	0.135
3572319	Drill Core	1.50	131	0.5	4.961	1.6	32.3	0.039	2.1	32.6	<0.005	0.3	0.2	7	<1	0.9	66	0.2	<0.5	4.8	0.086
REP 3572319	QC																				
3572329	Drill Core	1.75	167	0.5	5.185	1.7	38.8	0.051	2.5	32.9	<0.005	0.2	0.2	9	<1	0.7	54	0.2	<0.5	8.0	0.104
REP 3572329	QC																				
Core Reject Duplicates																					
3569707	Drill Core	0.57	645	0.3	1.092	3.3	16.8	0.017	1.6	29.1	<0.005	<0.1	0.3	5	<1	0.5	224	0.3	3.9	4.6	0.108
DUP 3569707	QC	0.55	622	0.3	1.080	3.2	16.2	0.016	1.7	26.7	<0.005	<0.1	0.3	5	<1	0.5	209	0.3	2.4	4.2	0.106
3569741	Drill Core	1.07	661	1.1	1.901	4.6	41.7	0.029	9.5	41.5	<0.005	0.1	0.8	9	<1	1.2	259	0.4	2.4	6.8	0.199
DUP 3569741	QC	1.08	658	1.4	1.856	4.6	40.6	0.028	9.9	41.9	<0.005	0.1	1.0	9	<1	1.5	266	0.4	2.5	6.8	0.205
3572338	Drill Core	2.54	103	0.1	5.352	2.1	65.8	0.053	1.1	59.6	<0.005	0.3	0.3	15	<1	1.6	42	0.2	<0.5	9.0	0.212
DUP 3572338	QC	2.48	104	0.1	5.324	1.8	67.4	0.050	1.1	55.3	<0.005	0.3	0.4	16	<1	1.5	43	0.2	0.7	8.3	0.213
Reference Materials																					
STD OREAS25A-4A	Standard	0.33	466	2.3	0.125	17.8	41.7	0.046	22.4	51.9	<0.005	<0.1	0.6	11	2	3.5	44	1.4	<0.5	14.4	0.860
STD OREAS25A-4A	Standard	0.34	485	2.5	0.139	20.3	45.4	0.053	25.3	52.7	<0.005	<0.1	0.7	11	3	4.5	43	1.6	<0.5	15.3	0.946
STD OREAS25A-4A	Standard	0.33	472	2.1	0.133	19.0	45.6	0.047	23.3	56.6	<0.005	<0.1	0.6	12	4	3.9	44	1.3	<0.5	15.4	0.866
STD OREAS25A-4A	Standard	0.34	450	2.3	0.133	19.1	41.8	0.050	24.0	53.7	<0.005	<0.1	0.5	12	2	4.1	43	1.4	<0.5	14.7	0.870
STD OREAS45E	Standard	0.17	558	2.2	0.062	6.0	464.0	0.035	19.0	21.4	<0.005	<0.1	0.9	95	3	1.0	17	0.5	<0.5	14.1	0.530
STD OREAS45H	Standard	0.25	386	1.5	0.088	12.7	425.2	0.022	12.8	22.7	<0.005	<0.1	0.6	54	3	1.8	28	0.9	<0.5	8.3	0.826
STD OREAS45E	Standard	0.16	574	2.1	0.056	5.9	459.3	0.034	17.6	19.3	<0.005	<0.1	0.8	89	3	1.2	15	0.5	<0.5	12.6	0.509
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXH139	Standard																				
STD OXH139	Standard																				
STD OXN134	Standard																				

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PHONE (604) 253-3158

Client: **MacDonald Mines Exploration Ltd.**
145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: February 06, 2020

QUALITY CONTROL REPORT TIM20000005.1

	Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.1	1	0.1	0.1	1	0.1
Pulp Duplicates								
3569720	Rock Pulp	<0.5	0.3	263	5.3	18.5	88	47.1
REP 3569720	QC	<0.5	0.3	264	5.5	18.8	86	47.7
3572318	Drill Core	<0.5	3.5	70	0.2	12.4	4	113.7
REP 3572318	QC	<0.5	3.5	67	0.2	11.5	5	109.7
3572319	Drill Core	<0.5	1.8	47	0.3	7.2	3	74.2
REP 3572319	QC							
3572329	Drill Core	<0.5	3.0	65	0.5	9.7	3	119.1
REP 3572329	QC							
Core Reject Duplicates								
3569707	Drill Core	<0.5	1.8	31	0.8	7.3	7	44.3
DUP 3569707	QC	<0.5	1.6	30	1.0	7.2	8	49.4
3569741	Drill Core	<0.5	2.6	68	0.9	11.0	9	67.2
DUP 3569741	QC	<0.5	2.5	69	0.9	11.1	18	68.1
3572338	Drill Core	<0.5	2.0	125	0.5	9.3	3	127.3
DUP 3572338	QC	<0.5	1.9	126	0.5	8.3	3	128.5
Reference Materials								
STD OREAS25A-4A	Standard	<0.5	2.5	150	1.8	8.7	41	138.9
STD OREAS25A-4A	Standard	<0.5	3.0	164	2.0	8.7	47	154.4
STD OREAS25A-4A	Standard	<0.5	2.7	154	1.7	9.0	42	149.7
STD OREAS25A-4A	Standard	<0.5	2.9	147	1.8	8.8	43	146.0
STD OREAS45E	Standard	<0.5	2.6	318	1.0	8.0	49	92.5
STD OREAS45H	Standard	<0.5	1.7	257	0.8	9.1	37	123.6
STD OREAS45E	Standard	<0.5	2.4	331	0.9	6.4	46	92.9
STD OXC145	Standard							
STD OXC145	Standard							
STD OXH139	Standard							
STD OXH139	Standard							
STD OXN134	Standard							

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145 Wellington St. West, Suite 1001
Toronto Ontario M5J 1H8 Canada

Project: SPJ
Report Date: February 06, 2020

QUALITY CONTROL REPORT TIM20000005.1

		WGHT	FA450	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Hf	In	K	La	Li
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.005	0.1	0.01	1	1	1	0.1	0.01	0.1	1	0.2	1	0.1	0.01	0.1	0.05	0.01	0.1	0.1
STD OXN134	Standard		7.738																		
STD OREAS45H Expected				0.147	7.99	16.9	332	1.09	0.17	0.135		23.6	88	602	767	19.52	3.6	0.1	0.205	12.4	13.1
STD OREAS25A-4A Expected					8.87	9.94	147	0.93	0.37	0.301		47.3	7.7	115	33.9	6.6	4.14	0.09	0.482	21.8	36.7
STD OREAS45E Expected				0.311	6.78	16.3	252		0.28	0.065	0.06	23.5	57	979	780	24.12	3.11	0.099	0.324	11	6.58
STD OXC145 Expected			0.212																		
STD OXN134 Expected			7.667																		
STD OXH139 Expected			1.312																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	0.3	0.03	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank			<0.1	<0.01	<1	<1	<1	<0.1	<0.01	<0.1	<1	<0.2	<1	<0.1	<0.01	<0.1	<0.05	<0.01	<0.1	<0.1
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
Prep Wash																					
ROCK-TIM	Prep Blank		<0.005	<0.1	6.56	<1	660	<1	<0.1	1.38	<0.1	21	4.0	3	3.3	2.01	1.6	0.06	1.34	10.4	1.5
ROCK-TIM	Prep Blank		<0.005	<0.1	6.52	2	713	2	<0.1	1.42	<0.1	21	4.3	3	4.0	2.06	1.5	<0.05	1.44	9.8	1.5

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Project: SPJ
Report Date: February 06, 2020

QUALITY CONTROL REPORT TIM20000005.1

		MA200 Mg % 0.01	MA200 Mn ppm 1	MA200 Mo ppm 0.1	MA200 Na % 0.001	MA200 Nb ppm 0.1	MA200 Ni ppm 0.1	MA200 P % 0.001	MA200 Pb ppm 0.1	MA200 Rb ppm 0.1	MA200 Re ppm 0.005	MA200 S % 0.1	MA200 Sb ppm 0.1	MA200 Sc ppm 1	MA200 Se ppm 1	MA200 Sn ppm 0.1	MA200 Sr ppm 1	MA200 Ta ppm 0.1	MA200 Te ppm 0.5	MA200 Th ppm 0.1	MA200 Ti % 0.001
STD OXN134	Standard																				
STD OREAS45H Expected		0.238	380	1.55	0.09	14.8	423	0.023	11.9	22.5			0.63	57	2.02	1.93	27.1	1.08		7.26	0.878
STD OREAS25A-4A Expected		0.327	480	2.41	0.131	20.9	45.8	0.048	25.2	61		0.047	0.65	13.7	2.4	4.06	48.5	1.4		15.8	0.93
STD OREAS45E Expected		0.156	570	2.4	0.059	6.8	454	0.034	18.2	21.2		0.046	1	93	2.97	1.32	15.9	0.54	0.1	12.9	0.559
STD OXC145 Expected																					
STD OXN134 Expected																					
STD OXH139 Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	2	<0.1	0.004	<0.1	0.2	<0.001	<0.1	0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	<0.001	<0.1	<0.1	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	2	<0.1	0.003	<0.1	<0.1	<0.001	<0.1	<0.1	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank	<0.01	<1	<0.1	0.003	<0.1	<0.1	<0.001	<0.1	0.5	<0.005	<0.1	<0.1	<1	<1	<0.1	<1	<0.1	<0.5	<0.1	<0.001
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-TIM	Prep Blank	0.55	629	0.8	3.275	4.8	1.1	0.038	2.0	24.9	<0.005	<0.1	<0.1	6	<1	0.5	186	0.3	<0.5	2.7	0.185
ROCK-TIM	Prep Blank	0.55	645	0.7	3.403	5.0	1.3	0.040	2.2	24.8	<0.005	<0.1	<0.1	6	<1	0.5	198	0.4	<0.5	2.6	0.193

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		MA200 Tl ppm 0.5	MA200 U ppm 0.1	MA200 V ppm 1	MA200 W ppm 0.1	MA200 Y ppm 0.1	MA200 Zn ppm 1	MA200 Zr ppm 0.1
STD OXN134	Standard							
STD OREAS45H Expected			1.68	263	0.99	10.4	39.7	131
STD OREAS25A-4A Expected		0.35	2.94	157	2	10.5	44.4	155
STD OREAS45E Expected		0.15	2.41	322	1.07	8.28	46.7	97
STD OXC145 Expected								
STD OXN134 Expected								
STD OXH139 Expected								
BLK	Blank							
BLK	Blank							
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	0.2
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	<0.1
BLK	Blank	<0.5	<0.1	<1	<0.1	<0.1	<1	0.1
BLK	Blank							
BLK	Blank							
Prep Wash								
ROCK-TIM	Prep Blank	<0.5	1.0	35	0.3	14.1	31	43.2
ROCK-TIM	Prep Blank	<0.5	1.1	35	0.3	14.2	33	44.3

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