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: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Submitted By: Wayne Jackaman
Receiving Lab: Canada-Vancouver
Received: December 06, 2019
Report Date: December 19, 2019

CERTIFICATE OF ANALYSIS VAN19003743.1

CLIENT JOB INFORMATION

Project: BG_RE_02
Shipment ID:
P.O. Number
Number of Samples: 291

SAMPLE DISPOSAL

PICKUP-PLP Client to Pickup Pulps

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
SLBHP	288	Sorting, labeling and boxing samples received as pulps			VAN
AQ250_EXT	288	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	0.5	Completed	VAN
LF302-EXT	288	LiBO2/LiB4O7 fusion ICP-ES analysis	0.2	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Noble Exploration Services Ltd.
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1
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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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_02
Report Date: December 19, 2019

CERTIFICATE OF ANALYSIS VAN19003743.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
90-GBC-9001	Till Pulp	1.58	30.18	12.60	106.8	89	28.2	14.5	888	4.05	14.5	1.7	2.0	3.4	46.8	0.21	0.58	0.17	80	0.64	0.124
90-PMA-0103	Till Pulp	0.74	47.28	12.23	100.7	149	38.5	17.6	972	4.01	13.4	0.6	2.4	3.2	72.2	0.23	0.51	0.17	78	0.63	0.105
90-PMA-0105	Till Pulp	0.97	44.02	11.79	90.7	138	37.0	17.8	1004	3.96	10.9	0.5	1.3	3.3	66.5	0.20	0.46	0.13	79	1.09	0.122
90-PMA-0107	Till Pulp	0.75	42.21	7.51	71.7	31	36.0	16.6	929	3.59	3.9	0.7	1.5	4.3	68.4	0.22	0.18	0.10	89	0.75	0.133
90-PMA-0131	Till Pulp	0.67	40.08	11.74	93.0	84	34.1	16.9	1340	3.78	14.6	0.5	1.4	2.6	63.4	0.38	0.56	0.15	74	0.71	0.103
90-PMA-0133	Till Pulp	0.76	49.42	13.15	115.8	111	48.0	20.1	1284	4.21	15.5	0.4	0.9	2.6	68.1	0.40	0.68	0.18	77	0.95	0.093
90-PMA-0135	Till Pulp	1.33	35.29	8.42	81.4	75	32.8	14.7	782	3.50	17.8	0.7	1.5	3.8	116.8	0.22	0.54	0.12	80	1.05	0.120
90-GBC-9002	Till Pulp	0.85	75.12	10.91	81.3	102	39.9	15.3	362	3.87	7.7	0.8	8.9	9.6	28.7	0.11	0.34	0.23	56	0.25	0.074
90-PMA-0136	Till Pulp	0.64	32.75	8.17	77.2	36	45.4	16.9	949	3.75	7.4	0.6	1.8	4.1	68.9	0.18	0.36	0.09	88	0.80	0.128
90-PMA-0139	Till Pulp	0.80	40.12	11.19	91.4	81	56.9	18.7	998	3.93	15.8	0.5	1.7	3.1	71.6	0.35	1.08	0.10	88	1.02	0.134
90-PMA-0141	Till Pulp	1.49	28.15	11.73	91.3	75	24.3	14.6	791	3.85	13.4	1.6	1.3	3.1	42.0	0.18	0.48	0.14	77	0.62	0.113
90-PMA-0142	Till Pulp	0.75	34.50	10.37	90.7	97	30.2	15.5	948	3.87	12.9	0.5	1.6	2.7	73.8	0.34	0.79	0.14	84	1.30	0.110
90-PMA-0150	Till Pulp	0.91	26.13	9.00	92.7	46	22.3	12.1	618	3.41	8.0	0.7	1.1	3.9	125.3	0.39	0.52	0.11	91	1.06	0.151
90-PMA-0159	Till Pulp	0.60	33.59	10.98	84.5	60	38.6	15.8	948	3.86	7.8	0.6	0.4	3.7	97.7	0.21	0.42	0.10	91	1.29	0.151
90-PMA-0160	Till Pulp	0.57	27.86	8.36	74.3	37	29.4	14.6	863	3.48	8.6	0.5	6.1	3.1	62.9	0.21	0.49	0.09	84	0.71	0.135
90-PMA-0161	Till Pulp	0.59	37.20	7.03	83.7	59	27.3	13.3	718	3.91	7.0	0.9	1.2	4.3	74.3	0.11	0.31	0.09	92	0.87	0.145
90-PMA-0171	Till Pulp	5.59	74.61	18.32	156.6	125	27.1	14.0	977	3.94	8.5	3.0	4.3	9.7	80.7	0.41	0.49	1.24	87	0.67	0.102
90-PMA-0178	Till Pulp	0.63	38.89	9.46	92.3	103	35.0	16.3	970	3.85	12.6	0.4	0.5	2.9	88.3	0.20	0.84	0.14	77	1.70	0.109
90-GBC-9003	Till Pulp	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
91-GBC-9003	Till Pulp	1.13	33.11	8.05	64.7	72	30.9	10.5	591	2.67	6.6	0.5	1.0	3.0	46.3	0.28	0.52	0.11	67	0.59	0.109
90-PMA-0189	Till Pulp	1.35	48.84	7.48	80.2	94	77.7	12.3	580	3.26	12.4	0.6	3.0	3.6	51.5	0.24	0.96	0.15	75	0.52	0.099
90-PMA-0195	Till Pulp	1.30	51.58	8.18	86.6	142	138.3	18.7	612	3.43	10.2	0.5	2.8	3.2	43.7	0.37	0.59	0.14	75	0.90	0.101
90-PMA-0198	Till Pulp	0.63	19.63	4.54	36.2	18	21.7	6.0	242	2.18	4.6	0.5	1.2	2.5	31.0	0.09	0.33	0.07	64	0.31	0.095
90-PMA-0204	Till Pulp	1.13	35.10	8.40	64.2	69	32.5	10.6	667	2.83	6.5	0.5	1.2	3.1	49.6	0.30	0.40	0.11	70	0.63	0.115
90-PMA-0206	Till Pulp	1.47	57.76	10.86	101.4	146	93.4	19.3	940	3.91	10.3	0.7	1.4	3.3	79.1	0.52	0.40	0.16	75	2.28	0.087
90-PMA-0210	Till Pulp	0.91	41.51	9.50	80.3	82	155.7	20.8	770	3.27	9.0	0.4	2.8	2.7	63.8	0.40	0.43	0.11	63	1.44	0.094
90-GBC-9004	Till Pulp	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
91-GBC-9004	Till Pulp	0.81	69.61	10.76	79.5	94	40.9	15.3	384	4.00	7.8	0.8	6.3	10.0	29.6	0.09	0.30	0.25	57	0.26	0.075
90-PMA-0218	Till Pulp	1.36	58.48	10.39	107.0	113	114.5	20.9	858	3.91	9.7	0.5	1.3	3.0	67.2	0.35	0.58	0.15	75	1.36	0.085
90-PMA-0220	Till Pulp	1.05	41.12	8.49	95.3	122	91.5	16.3	665	3.46	9.1	0.7	1.0	2.9	88.8	0.55	0.53	0.12	72	2.06	0.087

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Project: BG_RE_02
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	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
90-GBC-9001	Till Pulp	22.1	39.3	0.80	158.0	0.092	<20	1.97	0.036	0.18	<0.1	10.8	0.13	<0.02	57	<0.1	0.03	6.5	1.82	<0.1	0.17
90-PMA-0103	Till Pulp	15.6	35.2	0.74	280.9	0.066	<20	2.12	0.034	0.15	<0.1	9.8	0.13	<0.02	88	<0.1	0.03	6.4	2.11	<0.1	0.18
90-PMA-0105	Till Pulp	18.1	33.4	0.80	253.7	0.094	<20	2.00	0.040	0.16	<0.1	8.8	0.16	<0.02	95	<0.1	0.02	5.8	1.90	<0.1	0.10
90-PMA-0107	Till Pulp	22.8	38.1	0.89	300.9	0.159	<20	2.01	0.066	0.22	<0.1	9.2	0.17	<0.02	22	<0.1	0.02	5.6	1.88	<0.1	0.02
90-PMA-0131	Till Pulp	14.7	33.3	0.71	291.1	0.080	<20	1.98	0.032	0.13	<0.1	10.5	0.13	<0.02	69	<0.1	0.03	6.1	1.66	<0.1	0.20
90-PMA-0133	Till Pulp	12.4	38.2	0.98	310.3	0.055	<20	2.48	0.032	0.17	<0.1	11.0	0.12	<0.02	67	<0.1	0.05	7.2	2.22	<0.1	0.14
90-PMA-0135	Till Pulp	20.2	36.9	0.72	268.9	0.089	<20	1.67	0.038	0.15	<0.1	9.4	0.18	<0.02	56	<0.1	0.03	5.2	3.05	<0.1	0.08
90-GBC-9002	Till Pulp	33.4	49.2	0.89	57.7	0.076	<20	2.15	0.009	0.12	0.2	5.3	0.13	<0.02	45	<0.1	0.06	5.7	1.15	<0.1	<0.02
90-PMA-0136	Till Pulp	23.4	41.9	0.79	216.4	0.117	<20	1.62	0.061	0.13	<0.1	9.0	0.15	<0.02	28	<0.1	<0.02	4.9	1.44	<0.1	0.02
90-PMA-0139	Till Pulp	20.1	46.4	0.70	279.6	0.102	<20	1.59	0.037	0.13	<0.1	10.1	0.16	<0.02	59	<0.1	<0.02	4.9	2.99	<0.1	0.04
90-PMA-0141	Till Pulp	20.0	35.0	0.78	148.2	0.078	<20	1.91	0.035	0.18	<0.1	10.0	0.12	<0.02	48	<0.1	0.03	5.7	1.61	<0.1	0.16
90-PMA-0142	Till Pulp	17.0	35.5	0.90	318.5	0.091	<20	2.04	0.037	0.19	<0.1	9.7	0.11	<0.02	44	<0.1	0.03	5.7	1.94	<0.1	0.09
90-PMA-0150	Till Pulp	22.9	32.7	0.68	264.9	0.155	<20	1.53	0.075	0.14	<0.1	7.5	0.22	<0.02	74	<0.1	<0.02	4.5	1.40	<0.1	0.02
90-PMA-0159	Till Pulp	26.2	46.8	0.85	244.3	0.148	<20	1.94	0.055	0.14	<0.1	9.3	0.11	<0.02	48	<0.1	0.03	6.4	2.49	<0.1	0.05
90-PMA-0160	Till Pulp	20.6	38.8	0.61	230.5	0.119	<20	1.57	0.051	0.13	<0.1	8.3	0.10	<0.02	43	<0.1	0.02	4.9	1.22	<0.1	0.03
90-PMA-0161	Till Pulp	20.1	42.4	0.92	180.4	0.132	<20	2.24	0.045	0.17	<0.1	9.7	0.10	<0.02	57	<0.1	0.03	7.1	2.50	<0.1	0.17
90-PMA-0171	Till Pulp	25.0	40.6	0.86	257.6	0.091	<20	2.54	0.025	0.17	0.1	10.4	0.13	<0.02	52	<0.1	0.59	7.8	3.75	<0.1	0.27
90-PMA-0178	Till Pulp	14.8	31.4	0.92	329.3	0.055	<20	2.13	0.037	0.14	<0.1	11.0	0.10	<0.02	101	<0.1	<0.02	6.2	3.05	<0.1	0.17
90-GBC-9003	Till Pulp	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
91-GBC-9003	Till Pulp	15.2	33.4	0.60	170.8	0.108	<20	1.15	0.036	0.12	<0.1	5.8	0.15	<0.02	25	<0.1	0.04	3.6	1.27	<0.1	0.26
90-PMA-0189	Till Pulp	17.1	63.7	0.99	225.2	0.110	<20	1.69	0.040	0.13	<0.1	7.6	0.18	<0.02	55	<0.1	0.03	5.3	1.44	<0.1	0.27
90-PMA-0195	Till Pulp	13.8	92.5	1.49	257.5	0.108	<20	1.74	0.036	0.25	<0.1	7.1	0.17	<0.02	59	0.2	0.03	4.9	1.57	<0.1	0.18
90-PMA-0198	Till Pulp	10.7	33.8	0.25	138.2	0.094	<20	1.05	0.019	0.06	<0.1	3.3	0.07	<0.02	9	<0.1	<0.02	3.0	0.54	<0.1	0.13
90-PMA-0204	Till Pulp	15.1	37.2	0.63	188.5	0.107	<20	1.22	0.039	0.13	<0.1	6.2	0.16	<0.02	25	<0.1	<0.02	3.9	1.35	<0.1	0.15
90-PMA-0206	Till Pulp	14.6	69.9	1.55	362.3	0.076	<20	2.23	0.029	0.18	<0.1	9.5	0.17	<0.02	114	<0.1	0.04	6.5	1.67	<0.1	0.21
90-PMA-0210	Till Pulp	12.8	78.5	1.72	262.1	0.088	<20	1.60	0.024	0.13	<0.1	7.2	0.13	<0.02	135	<0.1	0.03	4.6	1.14	<0.1	0.17
90-GBC-9004	Till Pulp	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
91-GBC-9004	Till Pulp	34.2	49.5	0.93	58.8	0.078	<20	2.25	0.011	0.13	0.3	5.1	0.13	<0.02	55	0.1	0.06	5.7	1.26	<0.1	0.03
90-PMA-0218	Till Pulp	12.9	70.6	1.32	277.9	0.087	<20	2.09	0.023	0.15	<0.1	10.0	0.15	<0.02	136	<0.1	0.04	6.1	1.62	<0.1	0.21
90-PMA-0220	Till Pulp	13.6	78.9	1.57	263.9	0.094	<20	1.86	0.030	0.14	<0.1	8.6	0.14	<0.02	139	<0.1	0.03	5.4	1.34	<0.1	0.22

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Project: BG_RE_02
Report Date: December 19, 2019

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	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%	%	%	%	%	%
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01
90-GBC-9001	Till Pulp	0.11	11.8	1.5	<0.05	13.0	15.66	40.4	0.03	<1	0.7	13.6	<10	<2	62.40	14.86	6.49	1.71	1.97	2.84	1.81
90-PMA-0103	Till Pulp	0.05	10.5	0.9	<0.05	9.9	14.55	34.5	0.03	<1	0.8	16.7	<10	2	62.40	15.48	6.41	1.63	1.82	2.30	1.62
90-PMA-0105	Till Pulp	0.06	12.6	4.6	<0.05	7.3	13.93	39.6	0.04	<1	0.6	14.5	<10	<2	61.35	14.91	6.56	1.90	2.91	2.41	1.63
90-PMA-0107	Till Pulp	0.04	17.2	1.6	<0.05	2.7	15.44	46.1	0.04	<1	0.7	11.6	<10	<2	59.58	15.08	6.87	2.39	3.68	2.94	1.72
90-PMA-0131	Till Pulp	0.04	8.5	3.0	<0.05	8.7	14.78	31.0	0.05	<1	0.5	14.4	<10	<2	63.94	14.68	6.22	1.55	1.94	2.63	1.62
90-PMA-0133	Till Pulp	0.03	10.0	4.0	<0.05	6.4	12.96	28.9	0.05	1	0.6	19.2	<10	<2	60.08	16.24	6.85	2.00	2.00	2.15	1.80
90-PMA-0135	Till Pulp	0.04	12.3	1.0	<0.05	6.7	15.49	44.5	0.04	<1	0.9	11.5	<10	<2	61.29	14.85	6.28	1.67	2.87	2.43	1.71
90-GBC-9002	Till Pulp	0.39	14.0	0.3	<0.05	1.5	6.87	74.6	<0.02	<1	0.5	35.5	<10	<2	62.57	16.27	6.74	2.15	1.27	1.71	2.88
90-PMA-0136	Till Pulp	0.06	11.6	2.7	<0.05	4.5	14.97	49.8	0.04	<1	0.6	9.5	<10	<2	60.60	14.76	6.92	2.14	3.38	2.88	1.75
90-PMA-0139	Till Pulp	0.05	11.1	7.0	<0.05	6.3	14.90	43.6	0.05	<1	0.7	11.1	<10	<2	61.99	14.38	6.97	1.59	2.89	2.40	1.64
90-PMA-0141	Till Pulp	0.07	10.7	1.4	<0.05	10.8	14.19	36.7	0.03	<1	0.7	11.4	<10	<2	62.57	14.98	6.49	1.72	1.98	2.88	1.82
90-PMA-0142	Till Pulp	0.03	9.5	1.3	<0.05	5.8	13.70	36.6	0.04	<1	0.6	14.2	<10	<2	62.70	14.12	6.40	1.83	2.89	2.68	1.79
90-PMA-0150	Till Pulp	0.05	10.1	2.4	<0.05	2.7	15.05	49.5	0.04	<1	0.6	8.8	<10	<2	61.84	14.86	5.88	1.62	3.74	3.28	1.99
90-PMA-0159	Till Pulp	0.07	9.8	1.8	<0.05	4.6	15.82	54.5	0.04	<1	0.7	14.9	<10	<2	61.80	14.38	6.39	1.80	3.28	2.87	1.82
90-PMA-0160	Till Pulp	0.04	8.3	2.4	<0.05	3.9	14.44	43.6	0.04	<1	0.5	9.3	<10	<2	64.48	13.93	6.15	1.45	2.78	3.06	1.74
90-PMA-0161	Till Pulp	0.10	11.5	1.2	<0.05	9.7	14.78	39.4	0.03	<1	0.7	14.1	<10	<2	60.59	15.16	6.81	2.01	2.93	2.86	2.10
90-PMA-0171	Till Pulp	0.05	12.8	2.7	<0.05	10.7	20.28	42.5	0.08	<1	0.9	16.9	<10	<2	59.88	16.33	6.60	1.80	2.17	2.42	2.52
90-PMA-0178	Till Pulp	0.02	9.1	2.8	<0.05	8.0	13.14	32.1	0.03	<1	0.6	15.3	<10	<2	58.91	15.59	6.66	1.94	3.32	2.37	1.68
90-GBC-9003	Till Pulp	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
91-GBC-9003	Till Pulp	0.05	9.0	4.4	<0.05	10.6	10.64	32.1	0.02	<1	0.4	8.1	<10	<2	67.71	12.82	5.25	1.91	3.14	2.78	1.51
90-PMA-0189	Till Pulp	0.04	10.3	1.4	<0.05	11.1	12.73	33.4	0.03	<1	0.5	12.2	<10	3	66.63	12.72	5.66	2.45	2.22	2.11	1.48
90-PMA-0195	Till Pulp	0.02	14.2	2.3	<0.05	7.8	9.71	29.2	0.03	<1	0.5	12.7	<10	<2	64.66	12.39	6.08	3.66	3.00	2.14	1.54
90-PMA-0198	Till Pulp	0.11	4.4	1.7	<0.05	6.0	6.11	36.4	<0.02	<1	0.3	4.3	<10	<2	70.53	12.33	4.84	1.45	3.09	2.95	1.26
90-PMA-0204	Till Pulp	0.03	9.5	4.3	<0.05	6.8	10.32	31.8	0.02	<1	0.3	9.2	<10	<2	67.65	12.95	5.27	1.92	3.17	2.84	1.52
90-PMA-0206	Till Pulp	0.02	10.5	2.2	<0.05	7.6	12.93	30.1	0.03	2	0.5	16.6	<10	<2	59.15	14.04	6.36	3.29	3.89	1.88	1.79
90-PMA-0210	Till Pulp	0.02	6.8	4.8	<0.05	6.2	10.07	26.9	0.03	<1	0.4	13.2	<10	<2	64.02	12.33	5.72	3.60	3.17	2.27	1.50
90-GBC-9004	Till Pulp	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
91-GBC-9004	Till Pulp	0.38	14.3	0.3	<0.05	1.7	6.79	78.8	0.03	<1	0.5	35.7	<10	<2	62.74	16.19	6.58	2.12	1.26	1.68	2.83
90-PMA-0218	Till Pulp	0.05	9.3	1.3	<0.05	7.1	11.12	27.0	0.04	<1	0.6	17.9	<10	<2	60.58	14.52	6.62	2.98	2.75	2.05	1.78
90-PMA-0220	Till Pulp	0.05	8.0	1.1	<0.05	7.6	10.81	27.7	0.03	2	0.5	15.1	<10	<2	61.22	13.26	5.79	3.39	3.87	2.23	1.63

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Project: BG_RE_02
Report Date: December 19, 2019

CERTIFICATE OF ANALYSIS VAN19003743.1

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
	Analyte	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
	Unit	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	MDL	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3	5	1	-5.1	0.01	0.02	0.02
90-GBC-9001	Till Pulp	0.82	0.27	0.12	0.011	31	810	106	38	<20	344	160	35	22	10	16	6.5	99.94	0.38	<0.02
90-PMA-0103	Till Pulp	0.87	0.23	0.13	0.013	47	787	99	49	<20	328	145	49	23	9	16	6.9	99.95	0.42	<0.02
90-PMA-0105	Till Pulp	0.92	0.28	0.14	0.012	49	858	98	44	<20	380	157	43	23	6	16	6.7	99.95	0.52	<0.02
90-PMA-0107	Till Pulp	0.94	0.32	0.15	0.012	48	969	89	43	21	478	196	61	24	8	16	6.0	99.93	0.18	<0.02
90-PMA-0131	Till Pulp	0.85	0.24	0.18	0.013	45	837	111	42	<20	308	147	42	24	7	16	5.9	99.96	0.28	<0.02
90-PMA-0133	Till Pulp	0.80	0.22	0.17	0.013	53	847	122	50	21	265	132	40	23	5	18	7.5	99.95	0.59	<0.02
90-PMA-0135	Till Pulp	0.90	0.29	0.12	0.013	40	963	98	41	<20	474	168	50	23	11	15	7.3	99.95	0.38	<0.02
90-GBC-9002	Till Pulp	0.90	0.16	0.07	0.017	75	612	88	47	<20	224	379	125	33	15	16	5.0	99.94	0.43	<0.02
90-PMA-0136	Till Pulp	0.98	0.34	0.15	0.017	44	1077	98	65	<20	512	187	72	24	11	16	5.8	99.94	0.21	<0.02
90-PMA-0139	Till Pulp	0.98	0.31	0.14	0.020	50	1018	109	70	<20	423	180	57	24	8	17	6.4	99.94	0.33	<0.02
90-PMA-0141	Till Pulp	0.83	0.27	0.12	0.012	37	813	107	32	<20	349	161	44	23	8	16	6.1	99.95	0.37	<0.02
90-PMA-0142	Till Pulp	0.84	0.26	0.13	0.012	39	954	101	39	<20	349	148	44	22	5	16	6.1	99.94	0.53	<0.02
90-PMA-0150	Till Pulp	0.93	0.35	0.09	0.010	28	1148	100	23	<20	626	177	58	21	8	13	5.1	99.95	0.25	<0.02
90-PMA-0159	Till Pulp	0.97	0.34	0.13	0.013	40	1024	100	43	<20	488	177	62	22	8	14	5.9	99.94	0.30	<0.02
90-PMA-0160	Till Pulp	0.95	0.31	0.13	0.014	33	984	88	35	<20	463	183	56	22	9	14	4.7	99.95	0.15	<0.02
90-PMA-0161	Till Pulp	0.96	0.32	0.11	0.013	44	967	94	34	<20	435	189	49	25	8	17	5.9	99.93	0.31	<0.02
90-PMA-0171	Till Pulp	0.75	0.22	0.14	0.010	77	877	158	29	<20	315	171	49	27	7	16	6.9	99.95	0.21	<0.02
90-PMA-0178	Till Pulp	0.85	0.24	0.13	0.011	45	856	100	40	<20	317	135	38	23	7	18	8.1	99.94	0.70	<0.02
90-GBC-9003	Till Pulp	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
91-GBC-9003	Till Pulp	0.81	0.26	0.11	0.014	42	910	78	42	<20	395	154	48	20	6	14	3.4	99.94	0.16	<0.02
90-PMA-0189	Till Pulp	0.78	0.22	0.09	0.019	61	1341	92	87	<20	313	143	49	23	7	15	5.3	99.94	0.25	<0.02
90-PMA-0195	Till Pulp	0.76	0.22	0.10	0.028	58	1149	99	152	22	291	139	37	21	9	16	5.1	99.91	0.36	<0.02
90-PMA-0198	Till Pulp	0.84	0.21	0.08	0.019	26	705	53	34	<20	382	260	49	19	9	12	2.2	99.95	0.15	<0.02
90-PMA-0204	Till Pulp	0.82	0.25	0.11	0.014	41	908	82	40	<20	400	159	48	21	7	14	3.2	99.95	0.15	<0.02
90-PMA-0206	Till Pulp	0.76	0.20	0.13	0.021	63	1086	116	106	21	237	129	41	23	8	17	8.2	99.92	0.99	<0.02
90-PMA-0210	Till Pulp	0.77	0.19	0.11	0.033	52	849	92	171	22	257	141	39	20	7	15	6.0	99.92	0.55	<0.02
90-GBC-9004	Till Pulp	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
91-GBC-9004	Till Pulp	0.91	0.17	0.07	0.017	76	609	87	42	<20	222	365	116	32	17	16	5.2	99.94	0.43	<0.02
90-PMA-0218	Till Pulp	0.80	0.19	0.11	0.022	64	966	117	128	22	232	133	33	22	8	18	7.3	99.92	0.53	<0.02
90-PMA-0220	Till Pulp	0.76	0.19	0.10	0.023	70	934	106	106	<20	269	129	39	21	8	16	7.3	99.92	0.90	<0.02

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Project: BG_RE_02
Report Date: December 19, 2019

CERTIFICATE OF ANALYSIS VAN19003743.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
90-PMA-0223	Till Pulp	0.84	46.92	11.32	97.4	94	65.2	17.4	838	3.74	10.2	0.5	1.2	3.2	73.1	0.49	0.39	0.13	77	1.82	0.095
90-PMA-0224	Till Pulp	0.87	49.58	9.84	111.9	131	63.5	15.7	804	3.84	10.1	0.5	1.4	3.2	72.2	0.47	0.41	0.13	80	1.46	0.102
90-PMA-0226	Till Pulp	0.83	38.46	8.88	80.7	54	91.4	14.5	707	3.38	8.8	0.5	2.5	2.9	59.6	0.38	0.38	0.11	69	1.77	0.099
91-GBC-9005	Till Pulp	0.67	26.89	6.68	70.7	17	26.6	11.5	510	3.74	2.5	0.9	0.4	4.3	95.6	0.07	0.13	0.10	99	0.68	0.159
91-PMA-0003	Till Pulp	2.13	78.95	10.79	111.3	150	127.9	18.2	781	4.01	15.7	0.8	3.2	4.3	53.8	0.24	0.97	0.23	73	0.50	0.089
91-PMA-0007	Till Pulp	1.75	73.93	8.12	94.9	110	354.3	24.3	789	4.26	47.7	0.5	10.5	3.3	45.5	0.16	2.18	0.20	84	0.48	0.082
91-GBC-9006	Till Pulp	15.08	229.59	39.81	61.4	183	15.4	6.5	275	3.31	116.5	2.7	4.1	13.6	11.4	0.19	0.61	51.37	42	0.13	0.078
91-PMA-0009	Till Pulp	1.35	58.51	7.52	84.4	123	143.4	16.9	639	3.63	30.9	0.5	10.5	3.4	41.2	0.16	2.57	0.17	73	0.41	0.084
91-PMA-0016	Till Pulp	0.73	36.82	6.48	72.3	47	48.4	9.8	487	3.25	7.4	0.7	2.5	3.2	58.5	0.11	0.47	0.13	76	0.56	0.109
91-PMA-0017	Till Pulp	0.88	41.48	7.28	79.7	39	65.5	12.9	618	3.29	9.1	0.6	2.0	3.3	57.0	0.13	0.50	0.12	73	0.52	0.097
91-PMA-0019	Till Pulp	0.61	21.35	5.58	51.3	37	29.6	8.3	413	2.80	4.0	0.7	2.2	3.1	54.0	0.12	0.29	0.09	79	0.48	0.126
91-PMA-0023	Till Pulp	0.70	34.63	8.75	78.9	63	26.8	10.5	649	3.45	8.3	0.6	1.8	3.2	64.5	0.19	0.45	0.14	76	0.64	0.135
91-PMA-0026	Till Pulp	0.68	20.05	5.50	57.4	31	23.3	9.2	591	2.73	3.5	0.6	1.1	3.3	54.7	0.16	0.28	0.09	70	0.55	0.129
91-PMA-0027	Till Pulp	0.62	18.33	4.95	51.4	24	20.7	8.4	515	2.73	3.4	0.6	0.7	3.1	48.8	0.15	0.24	0.08	73	0.54	0.133
91-PMA-0028	Till Pulp	0.69	28.27	6.55	70.9	17	28.0	12.2	487	3.63	2.5	1.0	1.2	4.6	99.5	0.08	0.17	0.11	98	0.67	0.160
91-PMA-0040	Till Pulp	1.08	34.37	9.43	82.6	70	35.7	12.4	742	3.26	8.3	0.8	0.7	3.7	71.2	0.21	0.52	0.14	75	0.64	0.110
91-PMA-0041	Till Pulp	0.96	34.04	8.40	74.4	60	39.8	11.5	658	3.15	7.8	0.5	2.2	3.3	49.7	0.29	0.54	0.12	73	0.58	0.116
91-PMA-0042	Till Pulp	0.73	24.47	9.05	68.8	36	22.7	11.7	558	3.13	3.7	0.7	<0.2	4.3	84.6	0.15	0.22	0.10	86	0.79	0.166
91-PMA-0046	Till Pulp	1.71	56.77	12.33	104.0	189	77.0	16.5	747	3.66	5.5	0.7	0.9	3.1	76.4	0.44	0.46	0.18	75	1.34	0.086
91-PMA-0053	Till Pulp	0.73	19.00	5.32	53.2	37	16.4	7.0	403	2.53	4.9	0.5	2.2	2.6	42.2	0.16	0.32	0.09	68	0.57	0.120
91-PMA-0054	Till Pulp	2.32	81.68	10.71	119.3	97	34.6	11.7	658	3.39	11.4	1.1	3.4	3.6	52.8	0.55	0.60	0.22	78	0.52	0.097
91-PMA-0058	Till Pulp	1.31	43.06	6.14	80.9	97	30.3	12.3	701	3.21	8.1	0.5	1.7	2.8	44.0	0.44	0.55	0.11	81	0.67	0.124
91-PMA-0059	Till Pulp	1.36	42.67	6.28	80.1	178	32.8	13.8	716	3.19	8.7	0.5	10.9	2.9	46.7	0.44	0.59	0.10	81	0.69	0.117
91-GBC-9007	Till Pulp	5.07	73.31	10.78	121.6	201	53.0	16.7	777	3.51	10.0	0.8	1.5	3.4	62.7	0.84	0.77	0.22	60	0.89	0.086
91-PMA-0060	Till Pulp	1.02	44.57	5.45	72.6	50	29.4	11.8	710	3.17	7.8	0.5	1.2	2.9	38.6	0.23	0.71	0.08	86	0.56	0.106
91-PMA-0063	Till Pulp	1.44	45.80	7.29	89.5	110	31.3	13.6	703	3.44	9.4	0.6	1.4	2.6	64.6	0.47	0.66	0.11	79	1.75	0.107
91-PMA-0065	Till Pulp	4.92	72.24	10.48	129.7	211	54.3	16.9	724	3.49	9.6	0.8	3.2	3.3	58.0	0.79	0.71	0.22	60	0.89	0.084
91-PMA-0068	Till Pulp	1.09	47.16	9.09	94.4	119	39.7	14.0	832	3.58	11.1	0.5	1.5	2.8	54.9	0.24	0.43	0.12	76	0.64	0.103
91-PMA-0069	Till Pulp	1.22	49.53	9.78	107.3	129	40.7	15.4	838	3.76	12.2	0.5	0.3	2.8	69.8	0.43	0.46	0.14	78	0.92	0.117
91-PMA-0070	Till Pulp	1.62	55.52	10.15	132.8	133	56.7	15.6	847	3.88	11.6	0.6	0.8	2.8	67.7	0.57	0.49	0.15	79	0.77	0.106

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Bureau Veritas Commodities Canada Ltd.

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PHONE (604) 253-3158

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_02
Report Date: December 19, 2019

CERTIFICATE OF ANALYSIS VAN19003743.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
90-PMA-0223	Till Pulp	14.3	58.5	1.16	246.8	0.085	<20	2.05	0.032	0.13	<0.1	8.8	0.16	<0.02	94	<0.1	0.03	5.9	1.35	<0.1	0.19
90-PMA-0224	Till Pulp	15.2	60.6	1.14	275.7	0.092	<20	2.12	0.031	0.14	<0.1	9.7	0.16	<0.02	119	<0.1	0.04	6.6	1.48	<0.1	0.22
90-PMA-0226	Till Pulp	14.5	57.3	1.12	275.4	0.092	<20	1.75	0.028	0.14	<0.1	8.1	0.12	<0.02	72	<0.1	0.04	5.3	1.19	<0.1	0.22
91-GBC-9005	Till Pulp	27.7	46.2	0.57	297.8	0.215	<20	1.75	0.053	0.13	<0.1	8.8	0.12	<0.02	18	<0.1	<0.02	5.1	0.87	<0.1	0.06
91-PMA-0003	Till Pulp	19.4	90.2	1.04	337.2	0.090	<20	1.87	0.035	0.17	<0.1	9.0	0.22	<0.02	103	0.4	0.07	5.2	1.50	<0.1	0.23
91-PMA-0007	Till Pulp	14.4	166.2	1.87	315.6	0.103	<20	2.07	0.030	0.14	<0.1	9.8	0.24	<0.02	91	0.1	0.06	5.6	2.39	<0.1	0.23
91-GBC-9006	Till Pulp	32.2	25.0	0.50	75.2	0.125	<20	1.93	0.032	0.31	>100	4.7	0.44	0.07	32	0.5	0.19	6.1	8.94	<0.1	0.13
91-PMA-0009	Till Pulp	15.4	94.4	1.30	271.9	0.116	<20	1.79	0.026	0.15	<0.1	7.6	0.18	<0.02	74	0.1	0.04	5.7	1.90	<0.1	0.15
91-PMA-0016	Till Pulp	19.2	49.4	0.72	282.5	0.127	<20	1.66	0.039	0.13	<0.1	7.4	0.15	<0.02	53	<0.1	0.02	4.6	1.34	<0.1	0.25
91-PMA-0017	Till Pulp	18.6	64.1	0.74	257.8	0.111	<20	1.65	0.032	0.15	<0.1	7.3	0.17	<0.02	56	<0.1	0.04	4.8	1.48	<0.1	0.18
91-PMA-0019	Till Pulp	21.2	48.9	0.39	175.2	0.138	<20	1.11	0.031	0.08	<0.1	6.0	0.08	<0.02	35	<0.1	<0.02	3.5	0.66	<0.1	0.18
91-PMA-0023	Till Pulp	21.2	34.9	0.55	195.0	0.118	<20	1.43	0.032	0.10	<0.1	7.6	0.10	<0.02	61	<0.1	<0.02	3.9	1.13	<0.1	0.17
91-PMA-0026	Till Pulp	20.3	35.2	0.40	180.2	0.143	<20	0.99	0.042	0.09	<0.1	5.3	0.09	<0.02	31	<0.1	<0.02	3.4	0.76	<0.1	0.05
91-PMA-0027	Till Pulp	19.2	35.6	0.38	157.9	0.132	<20	0.91	0.039	0.08	<0.1	4.9	0.08	<0.02	25	<0.1	<0.02	3.1	0.68	<0.1	0.03
91-PMA-0028	Till Pulp	28.7	46.6	0.57	299.2	0.217	<20	1.75	0.048	0.13	<0.1	8.8	0.12	<0.02	27	<0.1	<0.02	5.5	0.87	<0.1	0.06
91-PMA-0040	Till Pulp	17.7	38.8	0.70	213.0	0.113	<20	1.61	0.037	0.15	<0.1	7.5	0.14	<0.02	58	<0.1	0.03	5.1	1.67	<0.1	0.23
91-PMA-0041	Till Pulp	17.2	39.8	0.68	185.3	0.110	<20	1.40	0.033	0.13	<0.1	6.2	0.13	<0.02	37	<0.1	0.03	4.4	1.30	<0.1	0.23
91-PMA-0042	Till Pulp	24.4	35.3	0.64	224.1	0.176	<20	1.42	0.075	0.16	<0.1	6.3	0.10	<0.02	19	<0.1	0.02	4.6	1.03	<0.1	<0.02
91-PMA-0046	Till Pulp	13.2	61.6	1.30	565.8	0.059	<20	2.15	0.026	0.19	<0.1	8.4	0.16	0.15	188	1.0	0.05	5.9	1.71	<0.1	0.14
91-PMA-0053	Till Pulp	16.4	27.6	0.35	125.9	0.106	<20	0.89	0.034	0.07	<0.1	4.6	0.07	<0.02	37	<0.1	<0.02	3.1	0.75	<0.1	0.15
91-PMA-0054	Till Pulp	20.6	34.0	0.55	187.9	0.109	<20	1.49	0.028	0.09	<0.1	8.0	0.16	<0.02	77	0.3	0.05	4.7	1.70	<0.1	0.16
91-PMA-0058	Till Pulp	14.1	36.2	0.67	213.3	0.109	<20	1.56	0.041	0.23	<0.1	6.7	0.20	<0.02	47	<0.1	0.03	4.4	1.40	<0.1	0.14
91-PMA-0059	Till Pulp	14.3	40.3	0.69	216.9	0.115	<20	1.61	0.042	0.22	<0.1	7.1	0.22	<0.02	54	<0.1	0.03	4.7	1.51	<0.1	0.14
91-GBC-9007	Till Pulp	13.3	34.3	0.69	216.8	0.070	<20	1.55	0.028	0.15	<0.1	6.0	0.18	<0.02	61	0.4	0.09	4.2	1.78	<0.1	0.18
91-PMA-0060	Till Pulp	13.3	37.3	0.63	197.2	0.127	<20	1.64	0.034	0.21	<0.1	7.9	0.23	<0.02	44	<0.1	0.03	5.0	1.68	<0.1	0.18
91-PMA-0063	Till Pulp	13.0	36.9	0.81	230.4	0.113	<20	1.80	0.040	0.24	<0.1	7.9	0.20	<0.02	51	<0.1	0.03	5.3	1.84	<0.1	0.22
91-PMA-0065	Till Pulp	14.3	33.5	0.67	210.3	0.067	<20	1.54	0.028	0.15	<0.1	6.2	0.16	<0.02	72	0.4	0.08	4.2	1.66	<0.1	0.17
91-PMA-0068	Till Pulp	13.0	39.9	0.78	272.2	0.078	<20	1.88	0.034	0.16	<0.1	8.2	0.17	<0.02	65	0.1	0.04	5.9	1.65	<0.1	0.17
91-PMA-0069	Till Pulp	14.1	45.6	0.81	269.3	0.081	<20	1.96	0.034	0.17	<0.1	8.6	0.14	<0.02	77	<0.1	0.05	6.1	1.68	<0.1	0.16
91-PMA-0070	Till Pulp	14.2	45.7	1.07	252.6	0.090	<20	2.02	0.037	0.23	<0.1	8.9	0.22	<0.02	66	0.1	0.03	6.2	1.90	<0.1	0.17

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Project: BG_RE_02
Report Date: December 19, 2019

CERTIFICATE OF ANALYSIS VAN19003743.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%	%	%	%	%	%
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01
90-PMA-0223	Till Pulp	0.04	8.4	4.3	<0.05	7.6	12.04	29.7	0.04	1	0.5	16.3	<10	<2	61.53	14.00	6.13	2.55	3.53	2.24	1.67
90-PMA-0224	Till Pulp	0.04	9.1	1.4	<0.05	7.7	12.88	30.3	0.04	<1	0.6	17.2	<10	2	62.92	13.90	6.01	2.43	2.89	2.33	1.70
90-PMA-0226	Till Pulp	0.03	8.1	2.2	<0.05	7.2	11.14	29.1	0.04	<1	0.4	13.4	<10	<2	64.61	12.64	5.52	2.49	3.50	2.38	1.53
91-GBC-9005	Till Pulp	0.10	13.1	0.7	<0.05	5.7	16.24	59.7	0.03	<1	0.6	8.3	<10	<2	60.46	15.48	7.09	1.86	3.79	3.25	2.16
91-PMA-0003	Till Pulp	0.03	11.0	0.4	<0.05	10.3	15.54	34.9	0.04	<1	0.6	12.1	<10	2	64.54	12.96	6.80	2.68	1.99	1.87	1.70
91-PMA-0007	Till Pulp	0.04	9.5	0.4	<0.05	8.9	11.94	29.3	0.04	<1	0.4	13.0	<10	2	62.71	12.03	7.20	4.79	1.87	1.61	1.37
91-GBC-9006	Till Pulp	1.77	39.8	5.9	<0.05	4.9	9.00	61.7	0.36	<1	1.0	21.9	<10	<2	64.65	14.39	5.69	1.25	1.26	2.50	3.24
91-PMA-0009	Till Pulp	0.11	11.7	0.3	<0.05	7.1	11.09	30.5	0.02	<1	0.5	13.8	<10	<2	65.84	12.19	6.22	3.27	1.80	1.83	1.54
91-PMA-0016	Till Pulp	0.09	11.0	0.6	<0.05	10.4	12.44	33.2	0.03	<1	0.5	10.9	<10	<2	66.05	13.47	5.75	1.89	2.52	2.54	1.62
91-PMA-0017	Till Pulp	0.05	11.4	0.5	<0.05	8.0	12.79	34.6	0.03	<1	0.5	10.5	<10	<2	66.61	13.18	5.79	1.98	2.26	2.41	1.61
91-PMA-0019	Till Pulp	0.08	6.5	0.3	<0.05	9.9	12.50	43.6	0.02	<1	0.4	5.5	<10	<2	67.48	13.17	5.70	1.59	3.23	3.12	1.55
91-PMA-0023	Till Pulp	0.06	6.7	0.3	<0.05	7.8	15.03	40.7	0.02	<1	0.5	9.2	<10	<2	66.62	13.53	6.00	1.40	2.34	2.88	1.55
91-PMA-0026	Till Pulp	0.09	6.9	0.5	<0.05	4.9	11.93	44.4	0.03	<1	0.4	6.2	<10	<2	66.57	13.75	5.50	1.51	3.31	3.23	1.75
91-PMA-0027	Till Pulp	0.10	6.1	0.4	<0.05	3.9	11.64	40.4	0.02	<1	0.3	5.8	<10	<2	66.61	13.62	5.68	1.53	3.40	3.28	1.74
91-PMA-0028	Till Pulp	0.14	13.1	0.6	<0.05	5.3	15.63	61.8	0.03	<1	0.7	8.5	<10	<2	60.21	15.44	7.17	1.87	3.78	3.16	2.12
91-PMA-0040	Till Pulp	0.07	11.1	1.8	<0.05	11.0	12.78	36.3	0.04	<1	0.5	12.5	<10	<2	63.77	14.63	6.04	1.84	2.64	2.72	1.90
91-PMA-0041	Till Pulp	0.07	9.8	2.3	<0.05	9.8	10.30	35.8	0.04	<1	0.5	10.2	<10	<2	65.21	13.98	5.95	1.93	2.83	2.77	1.70
91-PMA-0042	Till Pulp	0.10	12.6	3.9	<0.05	2.6	13.25	51.7	0.04	<1	0.5	9.6	<10	<2	62.10	14.92	6.04	1.98	3.93	3.23	2.16
91-PMA-0046	Till Pulp	0.04	10.0	4.0	<0.05	5.7	11.54	26.7	0.04	2	0.5	17.5	<10	2	60.79	14.94	6.40	2.91	2.71	1.90	1.92
91-PMA-0053	Till Pulp	0.09	5.1	0.7	<0.05	5.9	11.12	30.5	<0.02	<1	0.3	6.1	<10	<2	69.15	12.84	5.01	1.27	3.10	3.23	1.57
91-PMA-0054	Till Pulp	0.07	6.5	0.4	<0.05	7.6	19.06	38.7	0.03	<1	0.6	11.1	<10	<2	67.70	13.20	5.76	1.34	2.06	2.80	1.51
91-PMA-0058	Till Pulp	0.03	12.6	0.3	<0.05	5.3	9.79	28.0	0.04	<1	0.4	10.7	<10	2	65.15	13.58	6.19	2.17	3.27	2.75	1.46
91-PMA-0059	Till Pulp	0.03	14.1	0.3	<0.05	5.7	11.16	29.7	0.03	<1	0.3	11.1	<10	<2	65.27	13.44	6.15	2.16	3.26	2.69	1.46
91-GBC-9007	Till Pulp	0.05	9.8	0.2	<0.05	7.4	8.78	28.9	0.04	1	0.4	11.8	<10	<2	65.95	12.97	6.37	1.99	2.57	1.80	1.60
91-PMA-0060	Till Pulp	0.07	15.6	0.6	<0.05	7.2	11.68	29.2	0.03	<1	0.3	10.7	<10	<2	65.14	13.62	6.10	2.05	3.18	2.67	1.40
91-PMA-0063	Till Pulp	0.08	13.9	0.3	<0.05	7.7	10.64	27.2	0.03	1	0.4	13.2	<10	<2	62.12	13.86	6.31	2.14	4.19	2.47	1.51
91-PMA-0065	Till Pulp	0.05	9.2	0.2	<0.05	7.0	8.48	29.2	0.04	4	0.3	10.6	<10	<2	65.77	13.16	6.34	2.02	2.57	1.81	1.64
91-PMA-0068	Till Pulp	0.04	10.4	0.4	<0.05	6.7	10.72	26.7	0.04	<1	0.5	13.5	<10	<2	64.17	14.12	6.36	2.06	2.46	2.29	1.47
91-PMA-0069	Till Pulp	0.03	10.7	0.4	<0.05	6.9	11.48	30.1	0.04	1	0.5	15.3	<10	<2	62.96	14.50	6.55	2.03	2.66	2.37	1.51
91-PMA-0070	Till Pulp	0.02	14.6	0.3	<0.05	7.0	11.46	28.5	0.05	1	0.5	17.9	<10	<2	62.78	14.56	6.69	2.51	2.45	2.28	1.60

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Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_02
Report Date: December 19, 2019

CERTIFICATE OF ANALYSIS VAN19003743.1

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
	Analyte	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
	Unit	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	MDL	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3	5	1	-5.1	0.01	0.02	0.02
90-PMA-0223	Till Pulp	0.79	0.20	0.12	0.019	52	891	103	72	<20	270	146	45	22	7	17	7.0	99.94	0.71	<0.02
90-PMA-0224	Till Pulp	0.76	0.21	0.11	0.017	52	884	102	68	<20	260	140	44	22	9	16	6.5	99.94	0.61	<0.02
90-PMA-0226	Till Pulp	0.79	0.20	0.10	0.020	44	878	87	94	<20	251	153	41	21	9	15	6.0	99.94	0.56	<0.02
91-GBC-9005	Till Pulp	1.13	0.38	0.10	0.014	36	1322	92	30	<20	646	255	76	25	14	16	3.9	99.94	0.15	<0.02
91-PMA-0003	Till Pulp	0.71	0.19	0.12	0.025	89	1463	111	138	25	266	146	44	26	7	17	6.1	99.93	0.33	<0.02
91-PMA-0007	Till Pulp	0.78	0.19	0.12	0.046	81	1411	101	378	28	228	131	37	22	9	17	6.9	99.90	0.35	<0.02
91-GBC-9006	Till Pulp	0.79	0.21	0.06	0.006	257	374	73	<20	<20	120	408	81	31	16	10	5.7	99.93	0.96	0.06
91-PMA-0009	Till Pulp	0.80	0.19	0.10	0.027	68	1816	105	163	22	244	145	48	21	10	16	5.8	99.92	0.40	<0.02
91-PMA-0016	Till Pulp	0.83	0.22	0.08	0.019	43	1107	88	60	<20	384	169	52	23	13	14	4.7	99.95	0.23	<0.02
91-PMA-0017	Till Pulp	0.81	0.20	0.10	0.022	48	1075	89	74	<20	335	155	43	22	12	14	4.8	99.96	0.21	<0.02
91-PMA-0019	Till Pulp	0.96	0.24	0.09	0.022	30	931	67	38	<20	467	267	64	25	11	14	2.6	99.96	0.14	<0.02
91-PMA-0023	Till Pulp	1.05	0.31	0.10	0.014	40	825	90	36	<20	406	181	58	27	10	14	4.0	99.96	0.21	<0.02
91-PMA-0026	Till Pulp	0.93	0.30	0.09	0.016	37	992	82	34	<20	507	229	75	25	31	12	2.8	99.96	0.09	<0.02
91-PMA-0027	Till Pulp	0.98	0.29	0.10	0.018	30	982	75	30	<20	511	242	59	23	13	12	2.5	99.95	0.10	<0.02
91-PMA-0028	Till Pulp	1.13	0.36	0.10	0.015	36	1311	102	40	<20	637	243	72	26	15	16	4.3	99.95	0.16	<0.02
91-PMA-0040	Till Pulp	0.88	0.25	0.11	0.014	42	936	96	40	<20	400	180	53	24	11	15	5.0	99.95	0.22	<0.02
91-PMA-0041	Till Pulp	0.91	0.26	0.11	0.017	41	893	93	53	<20	403	193	53	23	13	14	4.1	99.96	0.17	<0.02
91-PMA-0042	Till Pulp	0.95	0.37	0.10	0.013	32	1143	82	32	<20	602	226	69	22	13	13	3.9	99.94	0.12	<0.02
91-PMA-0046	Till Pulp	0.78	0.20	0.11	0.020	62	1293	123	88	22	247	150	46	24	8	18	7.0	99.93	0.86	0.15
91-PMA-0053	Till Pulp	0.96	0.26	0.08	0.016	25	805	68	24	<20	427	248	40	23	11	13	2.3	99.96	0.14	<0.02
91-PMA-0054	Till Pulp	0.92	0.22	0.10	0.012	84	813	125	36	<20	350	160	46	30	11	14	4.2	99.96	0.31	<0.02
91-PMA-0058	Till Pulp	0.85	0.27	0.12	0.016	50	751	116	40	<20	366	170	45	23	11	16	3.9	99.94	0.22	<0.02
91-PMA-0059	Till Pulp	0.86	0.27	0.12	0.016	52	748	101	46	<20	364	168	52	24	10	16	4.1	99.95	0.24	<0.02
91-GBC-9007	Till Pulp	0.76	0.19	0.12	0.014	85	981	158	65	<20	281	142	48	22	10	16	5.4	99.94	0.52	<0.02
91-PMA-0060	Till Pulp	0.81	0.25	0.13	0.015	54	735	96	37	<20	360	158	41	24	6	16	4.4	99.94	0.25	<0.02
91-PMA-0063	Till Pulp	0.87	0.25	0.12	0.015	53	749	112	41	<20	342	157	48	23	10	16	5.9	99.93	0.67	<0.02
91-PMA-0065	Till Pulp	0.77	0.20	0.12	0.014	87	991	141	69	24	283	129	47	21	11	16	5.3	99.94	0.51	<0.02
91-PMA-0068	Till Pulp	0.80	0.23	0.12	0.014	55	810	103	45	<20	319	150	37	22	10	17	5.7	99.94	0.34	<0.02
91-PMA-0069	Till Pulp	0.87	0.24	0.12	0.016	55	760	120	50	<20	328	151	38	23	6	17	6.0	99.94	0.46	<0.02
91-PMA-0070	Till Pulp	0.85	0.24	0.13	0.016	62	790	133	66	20	317	131	38	22	10	17	5.7	99.94	0.43	<0.02

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
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Project: BG_RE_02
Report Date: December 19, 2019

CERTIFICATE OF ANALYSIS VAN19003743.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
91-PMA-0071	Till Pulp	0.55	54.17	5.18	61.8	22	28.2	12.4	586	3.56	8.3	0.6	1.4	2.9	49.1	0.08	0.47	0.08	88	0.71	0.135
91-PMA-0073	Till Pulp	0.94	42.10	7.76	81.7	93	32.5	12.5	679	3.60	10.2	0.5	0.3	2.7	81.5	0.25	0.46	0.11	78	1.13	0.118
91-PMA-0074	Till Pulp	0.81	42.89	9.59	87.3	78	35.1	14.9	1045	3.58	10.6	0.4	0.5	2.5	56.0	0.37	0.50	0.11	75	0.70	0.113
91-PMA-0075	Till Pulp	0.62	30.90	7.25	72.9	58	22.3	10.0	576	3.02	10.6	0.4	<0.2	2.2	66.1	0.38	0.52	0.12	65	1.35	0.117
91-GBC-9008	Till Pulp	0.75	71.94	10.06	77.7	93	38.4	14.9	365	3.86	7.3	0.7	8.9	8.9	27.5	0.10	0.31	0.25	56	0.25	0.071
91-PMA-0079	Till Pulp	0.98	43.82	10.88	91.8	92	36.2	17.4	1159	3.72	13.5	0.4	0.3	2.4	51.3	0.40	0.60	0.13	73	0.68	0.099
91-PMA-0080	Till Pulp	0.77	90.22	4.70	58.1	32	122.7	16.3	578	3.60	7.4	0.9	1.3	3.5	55.7	0.08	0.40	0.07	95	0.74	0.142
91-PMA-0081	Till Pulp	0.77	40.70	7.68	68.1	107	36.2	15.0	948	3.31	9.0	0.5	16.8	2.7	66.6	0.24	0.42	0.10	80	0.82	0.147
91-PMA-0082	Till Pulp	0.78	39.21	6.67	67.8	103	50.5	16.0	655	3.23	6.6	0.6	1.7	3.3	88.1	0.28	0.32	0.09	86	1.67	0.190
91-PMA-0083	Till Pulp	2.61	58.57	12.31	143.4	124	32.5	16.4	924	4.17	15.8	0.5	3.2	2.8	70.2	0.76	0.67	0.20	101	1.99	0.096
91-PMA-0085	Till Pulp	3.09	64.31	11.17	143.3	140	34.3	14.2	747	3.82	15.6	0.6	0.3	2.2	101.3	0.99	0.77	0.22	89	2.66	0.101
91-PMA-0086	Till Pulp	1.00	75.37	16.79	135.2	900	36.3	17.1	1118	4.42	14.1	0.5	2.3	2.5	59.4	0.14	0.85	0.29	82	0.62	0.095
91-PMA-0089	Till Pulp	1.48	43.77	11.93	102.8	108	40.4	18.4	1053	3.86	13.4	1.0	0.3	3.5	111.8	0.31	0.52	0.16	72	1.15	0.097
91-GBC-9009	Till Pulp	1.66	65.67	7.59	78.8	134	306.4	28.2	692	3.86	11.7	0.6	0.9	2.9	53.5	0.34	1.49	0.14	78	1.58	0.069
91-PMA-0090	Till Pulp	0.77	34.20	9.81	85.8	126	26.1	12.8	725	3.32	11.4	0.4	3.3	2.3	63.6	0.21	0.48	0.13	61	1.05	0.110
91-PMA-0092	Till Pulp	1.09	51.84	11.02	103.9	193	56.2	18.2	896	3.99	12.0	0.6	1.1	2.8	72.2	0.37	0.34	0.16	72	1.15	0.081
91-GBC-9010	Till Pulp	0.75	68.32	9.58	73.6	93	35.1	14.2	335	3.77	6.9	0.7	5.8	8.7	23.8	0.10	0.26	0.21	52	0.23	0.068
91-PMA-0096	Till Pulp	1.00	36.66	10.31	65.7	118	56.0	11.0	515	2.62	6.8	0.4	1.3	2.3	49.2	0.24	0.33	0.10	52	1.69	0.076
91-PMA-0097	Till Pulp	1.36	40.67	7.77	57.2	158	157.6	14.1	403	2.86	7.8	0.7	1.5	2.8	28.6	0.16	0.46	0.10	63	0.45	0.104
91-PMA-0103	Till Pulp	1.62	62.22	7.76	80.0	136	296.7	28.1	687	3.82	11.1	0.6	1.8	2.9	45.3	0.34	1.16	0.13	76	1.48	0.070
91-PMA-0104	Till Pulp	1.34	68.12	7.19	85.0	106	320.5	30.3	690	3.86	12.3	0.4	1.2	3.0	27.9	0.23	0.87	0.13	78	0.59	0.074
91-PMA-0105	Till Pulp	3.20	82.76	8.65	101.7	193	330.9	28.9	989	4.46	18.0	0.7	3.6	3.5	31.5	0.29	0.72	0.16	79	0.47	0.086
91-PMA-0106	Till Pulp	1.17	50.41	8.38	78.9	84	97.4	12.6	613	3.38	10.4	0.5	1.3	2.6	44.9	0.12	0.51	0.12	60	0.48	0.091
91-PMA-0107	Till Pulp	1.40	63.06	9.78	106.6	94	77.5	19.2	1380	3.69	10.8	0.4	2.0	3.3	32.5	0.51	0.54	0.17	66	1.09	0.082
91-PMA-0108	Till Pulp	0.84	40.06	7.24	75.6	88	66.9	13.6	645	2.92	8.0	0.4	2.6	2.7	39.1	0.37	0.44	0.11	57	1.75	0.081
91-PMA-0110	Till Pulp	1.35	50.94	7.81	91.1	78	120.2	17.8	840	3.26	16.0	0.5	9.2	2.8	34.8	0.49	1.10	0.13	59	0.64	0.088
91-PMA-0198	Till Pulp	1.08	73.61	7.63	85.1	118	54.2	17.7	842	3.48	12.2	0.5	2.7	3.3	66.3	0.47	0.63	0.13	86	1.67	0.111
91-PMA-0199	Till Pulp	0.62	91.42	5.63	65.7	50	36.3	14.4	638	3.54	9.7	0.5	2.2	2.4	52.6	0.27	0.51	0.32	108	0.86	0.117
91-PMA-0201	Till Pulp	0.93	76.67	6.97	59.1	53	42.0	15.0	667	3.36	8.8	0.6	2.3	3.8	45.5	0.11	0.49	0.12	89	0.62	0.111
91-PMA-0202	Till Pulp	0.93	77.87	7.10	64.0	105	43.4	16.1	667	3.41	10.1	0.5	4.4	3.3	44.8	0.23	0.52	0.11	92	0.72	0.118

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Project: BG_RE_02
Report Date: December 19, 2019

CERTIFICATE OF ANALYSIS VAN19003743.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
91-PMA-0071	Till Pulp	16.2	39.7	0.76	275.0	0.138	<20	1.75	0.035	0.24	<0.1	8.4	0.18	<0.02	68	<0.1	0.02	5.4	1.86	<0.1	0.16
91-PMA-0073	Till Pulp	14.6	41.5	0.72	292.8	0.097	<20	1.81	0.030	0.21	<0.1	8.1	0.14	<0.02	59	<0.1	0.02	5.3	1.62	<0.1	0.14
91-PMA-0074	Till Pulp	14.6	38.0	0.69	242.0	0.089	<20	1.74	0.028	0.18	<0.1	9.0	0.13	<0.02	68	<0.1	0.02	5.4	1.45	<0.1	0.18
91-PMA-0075	Till Pulp	14.0	30.6	0.50	225.0	0.100	<20	1.27	0.031	0.12	<0.1	6.8	0.10	<0.02	58	<0.1	0.03	4.1	0.99	<0.1	0.24
91-GBC-9008	Till Pulp	30.4	48.7	0.90	53.8	0.071	<20	2.17	0.009	0.12	0.1	4.7	0.12	<0.02	46	0.2	0.07	5.7	1.08	<0.1	0.03
91-PMA-0079	Till Pulp	12.9	36.6	0.69	259.0	0.074	<20	1.86	0.027	0.17	<0.1	8.8	0.15	<0.02	86	<0.1	0.04	5.6	1.66	<0.1	0.21
91-PMA-0080	Till Pulp	15.4	82.6	1.42	296.9	0.142	<20	1.94	0.048	0.38	<0.1	6.6	0.23	<0.02	41	<0.1	0.02	5.5	1.68	<0.1	0.09
91-PMA-0081	Till Pulp	16.4	46.2	0.72	282.7	0.117	<20	1.42	0.043	0.16	<0.1	6.5	0.16	<0.02	41	<0.1	0.03	4.1	1.32	<0.1	0.14
91-PMA-0082	Till Pulp	21.8	52.9	1.03	239.5	0.124	<20	1.37	0.053	0.18	0.1	6.0	0.11	0.05	36	<0.1	0.02	4.8	1.14	<0.1	0.02
91-PMA-0083	Till Pulp	12.2	42.2	1.13	264.8	0.122	<20	2.13	0.036	0.40	0.2	9.4	0.37	<0.02	40	<0.1	0.06	6.8	2.85	<0.1	0.18
91-PMA-0085	Till Pulp	11.5	63.4	1.09	195.3	0.100	<20	2.00	0.042	0.28	0.2	8.8	0.16	<0.02	54	0.2	0.07	5.6	2.31	<0.1	0.17
91-PMA-0086	Till Pulp	14.6	58.4	0.94	275.7	0.071	<20	2.32	0.021	0.20	0.1	11.3	0.13	<0.02	107	<0.1	0.08	6.6	2.92	<0.1	0.10
91-PMA-0089	Till Pulp	15.6	32.9	0.92	658.8	0.040	<20	2.23	0.042	0.16	<0.1	9.9	0.18	<0.02	93	<0.1	0.04	6.7	2.82	<0.1	0.16
91-GBC-9009	Till Pulp	10.8	194.6	3.08	175.9	0.115	<20	2.02	0.025	0.15	<0.1	8.0	0.16	<0.02	58	<0.1	0.04	6.0	1.46	<0.1	0.21
91-PMA-0090	Till Pulp	12.3	28.2	0.58	199.3	0.063	<20	1.48	0.020	0.12	<0.1	7.3	0.08	<0.02	77	<0.1	0.03	5.0	1.60	<0.1	0.23
91-PMA-0092	Till Pulp	10.8	46.0	1.12	331.4	0.042	<20	2.11	0.037	0.13	<0.1	9.3	0.13	0.04	108	0.3	0.04	6.5	1.56	<0.1	0.17
91-GBC-9010	Till Pulp	25.4	44.5	0.87	50.1	0.062	<20	2.03	0.007	0.11	0.2	4.5	0.12	<0.02	46	0.1	0.05	5.6	1.02	<0.1	<0.02
91-PMA-0096	Till Pulp	9.7	46.0	0.90	239.1	0.059	<20	1.35	0.020	0.08	<0.1	6.2	0.11	<0.02	63	<0.1	0.02	4.0	0.92	<0.1	0.15
91-PMA-0097	Till Pulp	12.6	88.0	1.18	196.1	0.092	<20	1.35	0.023	0.19	<0.1	5.8	0.21	<0.02	46	<0.1	0.03	4.3	1.14	<0.1	0.06
91-PMA-0103	Till Pulp	9.9	188.9	2.93	162.2	0.091	<20	1.92	0.019	0.14	<0.1	7.7	0.17	<0.02	70	<0.1	0.05	5.7	1.35	<0.1	0.22
91-PMA-0104	Till Pulp	9.7	206.4	3.00	131.4	0.104	<20	2.04	0.020	0.13	<0.1	7.5	0.17	<0.02	55	<0.1	0.05	6.1	1.42	<0.1	0.23
91-PMA-0105	Till Pulp	15.0	133.0	2.24	234.7	0.081	<20	2.13	0.019	0.25	<0.1	9.4	0.25	<0.02	81	0.2	0.05	6.1	1.86	<0.1	0.14
91-PMA-0106	Till Pulp	13.5	55.8	0.85	192.6	0.071	<20	1.48	0.019	0.11	<0.1	7.4	0.12	<0.02	65	0.2	0.04	4.9	0.93	<0.1	0.22
91-PMA-0107	Till Pulp	13.5	51.8	0.97	478.3	0.064	<20	1.87	0.013	0.15	<0.1	8.4	0.19	<0.02	114	0.1	0.05	5.6	1.26	<0.1	0.13
91-PMA-0108	Till Pulp	11.8	59.5	0.89	383.8	0.068	<20	1.42	0.017	0.10	<0.1	6.4	0.12	<0.02	62	<0.1	0.03	4.0	0.96	<0.1	0.13
91-PMA-0110	Till Pulp	12.3	73.8	1.11	293.8	0.074	<20	1.40	0.018	0.10	<0.1	7.4	0.16	<0.02	99	<0.1	0.04	4.3	1.18	<0.1	0.19
91-PMA-0198	Till Pulp	12.5	51.9	0.94	181.9	0.104	<20	1.77	0.022	0.13	0.1	9.0	0.13	<0.02	126	<0.1	0.04	5.8	1.15	<0.1	0.20
91-PMA-0199	Till Pulp	9.6	47.6	0.91	139.7	0.141	<20	1.88	0.028	0.20	0.2	8.5	0.10	<0.02	70	<0.1	0.04	6.1	1.32	<0.1	0.21
91-PMA-0201	Till Pulp	13.5	56.3	0.84	136.8	0.106	<20	1.63	0.018	0.12	0.1	8.8	0.11	<0.02	81	<0.1	0.03	5.1	1.26	<0.1	0.09
91-PMA-0202	Till Pulp	11.3	52.1	0.80	136.0	0.110	<20	1.59	0.020	0.13	0.2	7.9	0.11	<0.02	86	<0.1	0.04	5.0	1.17	<0.1	0.18

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Project: BG_RE_02
Report Date: December 19, 2019

CERTIFICATE OF ANALYSIS VAN19003743.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%	%	%	%	%	%
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01
91-PMA-0071	Till Pulp	0.06	15.5	0.3	<0.05	6.2	13.81	29.1	0.03	<1	0.4	11.1	<10	<2	62.93	13.80	6.88	2.43	3.32	2.74	1.41
91-PMA-0073	Till Pulp	0.03	11.2	0.3	<0.05	5.9	11.44	29.9	0.03	<1	0.5	11.8	<10	<2	63.15	14.18	6.45	1.87	3.06	2.61	1.57
91-PMA-0074	Till Pulp	0.05	9.8	0.8	<0.05	6.9	12.07	31.1	0.03	<1	0.5	11.8	<10	<2	64.45	14.02	6.30	1.78	2.36	2.62	1.53
91-PMA-0075	Till Pulp	0.07	6.6	0.5	<0.05	8.1	10.56	27.7	0.04	1	0.4	9.0	<10	<2	66.79	12.75	5.40	1.44	3.50	2.97	1.31
91-GBC-9008	Till Pulp	0.35	12.5	0.2	<0.05	1.4	6.11	67.8	<0.02	<1	0.5	31.2	<10	2	62.36	16.20	6.77	2.13	1.26	1.67	2.84
91-PMA-0079	Till Pulp	0.05	9.5	0.7	<0.05	7.1	11.62	29.3	0.03	<1	0.5	13.4	<10	<2	63.55	14.57	6.54	1.79	2.15	2.40	1.53
91-PMA-0080	Till Pulp	0.07	25.3	0.4	<0.05	3.5	10.31	26.4	0.03	<1	0.2	12.9	<10	2	58.09	14.57	7.98	4.55	4.52	2.54	1.41
91-PMA-0081	Till Pulp	0.04	10.7	0.6	<0.05	6.7	10.57	35.7	0.02	<1	0.4	8.8	<10	<2	63.64	13.58	6.43	2.35	3.66	2.90	1.55
91-PMA-0082	Till Pulp	0.05	8.7	0.8	<0.05	2.4	11.05	45.8	0.03	<1	0.4	10.5	<10	2	58.78	13.94	7.04	3.39	5.63	3.00	1.84
91-PMA-0083	Till Pulp	0.05	29.1	0.9	<0.05	6.1	10.63	25.2	0.04	<1	0.4	18.6	<10	<2	58.54	14.68	7.24	2.59	4.43	2.40	1.95
91-PMA-0085	Till Pulp	0.03	13.1	0.6	<0.05	5.8	10.50	24.2	0.04	2	0.4	15.3	<10	3	58.17	13.64	7.06	3.02	5.60	2.32	1.72
91-PMA-0086	Till Pulp	0.09	13.8	0.8	<0.05	5.5	14.08	26.1	0.06	<1	0.6	14.3	<10	<2	59.69	15.71	7.62	2.33	1.90	2.06	1.80
91-PMA-0089	Till Pulp	0.04	9.4	0.8	<0.05	7.4	12.80	34.4	0.04	<1	0.8	15.1	<10	<2	58.33	16.20	6.84	1.99	2.42	1.91	1.77
91-GBC-9009	Till Pulp	0.06	10.7	0.5	<0.05	7.5	9.10	22.6	0.03	<1	0.4	13.3	<10	5	58.34	11.98	7.03	6.99	3.65	1.69	1.41
91-PMA-0090	Till Pulp	0.07	6.8	0.5	<0.05	7.8	11.09	27.2	0.03	<1	0.5	11.1	<10	<2	66.32	13.63	5.61	1.35	2.44	2.61	1.44
91-PMA-0092	Till Pulp	0.05	8.1	0.9	<0.05	5.9	10.79	23.8	0.04	1	0.6	17.0	<10	<2	59.16	15.92	6.83	2.57	2.37	1.86	1.82
91-GBC-9010	Till Pulp	0.35	11.9	<0.1	<0.05	1.1	5.54	61.9	0.02	<1	0.4	31.0	<10	2	62.52	16.32	6.68	2.13	1.25	1.67	2.83
91-PMA-0096	Till Pulp	0.06	4.8	6.3	<0.05	5.2	8.77	21.5	0.03	<1	0.4	10.5	<10	<2	65.44	12.56	4.91	2.29	3.76	2.36	1.47
91-PMA-0097	Till Pulp	0.44	14.0	3.8	<0.05	3.2	9.08	24.9	0.02	<1	0.3	9.9	<10	<2	65.06	12.26	6.01	3.73	3.05	2.39	1.38
91-PMA-0103	Till Pulp	0.05	10.5	0.4	<0.05	8.0	8.71	20.9	0.03	2	0.4	13.4	<10	2	58.25	12.05	6.96	7.01	3.67	1.70	1.42
91-PMA-0104	Till Pulp	0.05	10.3	0.3	<0.05	8.6	8.45	21.0	0.03	<1	0.5	14.9	<10	2	60.53	11.85	6.95	7.29	2.35	1.61	1.41
91-PMA-0105	Till Pulp	0.10	16.4	0.3	<0.05	6.8	12.69	28.2	0.03	<1	0.5	15.1	<10	3	59.65	12.84	7.68	5.26	1.89	1.58	1.63
91-PMA-0106	Till Pulp	0.07	5.0	0.3	<0.05	8.0	12.13	24.8	0.03	<1	0.4	10.9	<10	<2	67.50	12.73	5.76	2.10	1.55	2.30	1.38
91-PMA-0107	Till Pulp	0.08	8.7	0.4	<0.05	6.6	13.01	28.5	0.03	<1	0.6	13.4	<10	<2	62.49	13.74	6.53	2.46	2.47	1.80	1.78
91-PMA-0108	Till Pulp	0.08	5.9	0.5	<0.05	5.6	9.55	24.9	0.02	<1	0.4	10.4	<10	<2	65.72	11.89	5.19	2.28	3.66	2.15	1.44
91-PMA-0110	Till Pulp	0.05	6.6	0.2	<0.05	7.3	10.35	25.7	0.03	<1	0.4	10.1	<10	<2	66.81	12.11	5.87	2.84	2.17	2.14	1.45
91-PMA-0198	Till Pulp	0.06	8.4	0.4	<0.05	7.7	10.75	25.2	0.03	<1	0.4	14.4	<10	2	62.20	13.33	6.26	2.46	3.97	2.47	1.79
91-PMA-0199	Till Pulp	0.04	13.4	0.3	<0.05	7.6	9.50	18.2	0.03	<1	0.5	12.3	<10	2	63.09	13.61	6.61	2.44	3.32	2.80	2.17
91-PMA-0201	Till Pulp	0.11	10.2	1.1	<0.05	4.3	9.66	27.8	0.02	<1	0.4	11.1	<10	<2	63.92	13.59	6.43	2.38	2.88	2.63	1.95
91-PMA-0202	Till Pulp	0.11	10.0	1.9	<0.05	6.8	9.45	22.0	0.03	<1	0.4	10.5	<10	2	64.09	13.45	6.53	2.35	3.22	2.60	1.89

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_02
Report Date: December 19, 2019

CERTIFICATE OF ANALYSIS VAN19003743.1

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
	Analyte	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
	Unit	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	MDL	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3	5	1	-5.1	0.01	0.02	0.02
91-PMA-0071	Till Pulp	0.99	0.29	0.11	0.017	68	733	93	43	<20	374	195	51	27	9	18	4.8	99.93	0.23	<0.02
91-PMA-0073	Till Pulp	0.93	0.27	0.11	0.015	49	806	100	39	<20	383	162	34	22	9	16	5.5	99.95	0.39	<0.02
91-PMA-0074	Till Pulp	0.92	0.27	0.15	0.015	49	750	98	40	<20	353	158	38	23	8	16	5.4	99.95	0.34	<0.02
91-PMA-0075	Till Pulp	0.90	0.27	0.09	0.015	39	727	80	28	<20	400	170	33	21	9	14	4.3	99.96	0.42	<0.02
91-GBC-9008	Till Pulp	0.92	0.17	0.07	0.019	74	609	90	48	<20	220	368	126	32	16	16	5.4	99.95	0.44	<0.02
91-PMA-0079	Till Pulp	0.87	0.25	0.16	0.014	52	735	106	44	<20	321	152	49	22	9	16	6.0	99.95	0.32	<0.02
91-PMA-0080	Till Pulp	0.93	0.32	0.13	0.030	93	680	91	143	25	384	164	39	25	6	20	4.6	99.90	0.23	<0.02
91-PMA-0081	Till Pulp	0.94	0.35	0.15	0.019	48	1031	94	49	<20	561	169	53	22	6	16	4.1	99.94	0.19	<0.02
91-PMA-0082	Till Pulp	1.01	0.43	0.12	0.021	50	1359	92	74	22	813	173	51	22	10	17	4.4	99.92	0.50	0.06
91-PMA-0083	Till Pulp	0.79	0.24	0.14	0.013	64	841	164	50	20	368	144	37	21	<5	17	6.7	99.94	0.75	<0.02
91-PMA-0085	Till Pulp	0.79	0.26	0.12	0.020	71	684	178	53	<20	372	129	<30	21	9	19	7.0	99.92	0.95	0.03
91-PMA-0086	Till Pulp	0.85	0.23	0.16	0.017	83	766	154	45	21	288	145	<30	25	6	21	7.4	99.93	0.48	<0.02
91-PMA-0089	Till Pulp	0.84	0.25	0.15	0.012	75	1254	181	53	20	383	151	47	22	11	17	9.0	99.93	0.67	0.02
91-GBC-9009	Till Pulp	0.72	0.18	0.12	0.046	87	982	138	347	34	228	134	<30	19	8	17	7.5	99.86	0.79	<0.02
91-PMA-0090	Till Pulp	0.89	0.25	0.11	0.012	39	731	94	34	<20	350	136	32	22	9	14	5.1	99.96	0.41	<0.02
91-PMA-0092	Till Pulp	0.78	0.19	0.13	0.016	56	978	123	77	<20	256	128	38	23	7	18	8.1	99.93	0.71	0.04
91-GBC-9010	Till Pulp	0.91	0.15	0.07	0.019	71	609	87	46	<20	220	365	119	32	17	16	5.2	99.93	0.42	<0.02
91-PMA-0096	Till Pulp	0.70	0.18	0.09	0.020	41	870	84	72	<20	266	131	36	20	8	14	6.0	99.94	0.68	<0.02
91-PMA-0097	Till Pulp	0.88	0.24	0.10	0.035	41	1025	89	184	<20	318	162	44	23	10	16	4.6	99.91	0.49	<0.02
91-PMA-0103	Till Pulp	0.72	0.17	0.12	0.047	64	987	101	339	30	230	127	33	20	5	17	7.5	99.86	0.77	<0.02
91-PMA-0104	Till Pulp	0.69	0.16	0.11	0.051	67	1166	98	381	37	200	122	36	18	9	17	6.6	99.85	0.37	<0.02
91-PMA-0105	Till Pulp	0.76	0.19	0.15	0.037	86	1250	117	366	33	221	135	38	24	6	18	8.0	99.89	0.49	<0.02
91-PMA-0106	Till Pulp	0.82	0.21	0.09	0.017	55	931	94	117	<20	274	117	45	23	10	14	5.3	99.95	0.38	<0.02
91-PMA-0107	Till Pulp	0.80	0.19	0.20	0.020	66	1188	123	102	22	200	148	42	26	7	17	7.2	99.93	0.58	<0.02
91-PMA-0108	Till Pulp	0.75	0.20	0.10	0.024	43	1051	91	89	<20	240	138	39	22	9	14	6.3	99.94	0.73	<0.02
91-PMA-0110	Till Pulp	0.78	0.21	0.13	0.027	56	1016	102	143	<20	250	127	34	22	9	15	5.2	99.92	0.34	<0.02
91-PMA-0198	Till Pulp	0.74	0.24	0.13	0.018	73	931	95	67	<20	346	130	35	21	6	17	6.1	99.92	0.52	<0.02
91-PMA-0199	Till Pulp	0.70	0.29	0.12	0.017	96	1053	80	52	<20	439	112	33	19	<5	17	4.5	99.93	0.15	<0.02
91-PMA-0201	Till Pulp	0.79	0.27	0.12	0.022	75	885	72	59	<20	353	157	42	22	<5	18	4.8	99.94	0.21	<0.02
91-PMA-0202	Till Pulp	0.76	0.28	0.12	0.021	80	893	75	61	<20	379	142	40	21	6	17	4.4	99.93	0.19	<0.02

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_02
Report Date: December 19, 2019

CERTIFICATE OF ANALYSIS VAN19003743.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
91-PMA-0205	Till Pulp	1.89	75.47	14.78	88.7	118	60.2	20.2	924	3.60	12.7	0.4	1.5	3.1	58.8	0.48	0.67	0.14	86	1.57	0.101
91-GBC-9017	Till Pulp	0.78	45.62	4.46	48.3	72	28.9	10.4	507	2.57	6.7	0.4	1.5	2.5	55.0	0.20	0.53	0.07	76	0.85	0.112
91-PMA-0206	Till Pulp	1.04	92.60	6.60	71.2	146	45.4	18.3	852	3.70	11.6	0.5	2.8	3.2	68.2	0.36	0.59	0.13	102	1.86	0.123
91-PMA-0207	Till Pulp	0.79	61.06	5.17	60.1	116	32.7	12.3	555	2.82	10.6	0.4	2.5	2.2	60.6	0.31	0.59	0.10	80	1.52	0.109
91-PMA-0208	Till Pulp	0.76	64.06	5.31	61.2	116	32.7	12.9	539	2.91	10.6	0.4	2.6	2.1	59.9	0.30	0.56	0.10	83	1.54	0.108
91-GBC-9018	Till Pulp	14.77	239.31	37.48	59.7	178	13.8	6.3	279	3.36	106.5	2.5	3.0	13.0	9.0	0.15	0.50	45.63	39	0.12	0.077
91-PMA-0209	Till Pulp	0.75	44.59	4.47	48.5	69	28.6	10.5	492	2.61	6.5	0.4	1.6	2.4	56.1	0.20	0.52	0.07	79	0.89	0.115
91-PMA-0210	Till Pulp	0.58	34.28	3.34	34.4	50	20.8	8.2	345	2.07	5.0	0.4	3.7	2.2	43.5	0.15	0.43	0.06	69	0.80	0.114
91-PMA-0212	Till Pulp	0.37	40.23	4.04	40.8	72	21.8	9.0	424	2.20	4.5	0.5	3.0	2.2	55.4	0.15	0.46	0.07	76	1.35	0.111
91-PMA-0214	Till Pulp	1.00	104.58	6.55	53.3	48	35.5	20.7	843	3.52	15.3	0.6	4.5	3.2	44.6	0.20	0.63	0.13	103	0.58	0.136
91-PMA-0215	Till Pulp	0.42	56.31	3.75	33.3	23	22.2	10.0	379	2.83	6.9	0.5	2.3	2.3	44.1	0.14	0.47	0.06	94	0.64	0.120
91-PMA-0217	Till Pulp	0.49	65.91	5.22	43.2	34	32.1	12.1	558	2.96	10.4	0.5	4.3	2.7	46.5	0.18	0.60	0.08	91	0.66	0.129
91-PMA-0218	Till Pulp	0.40	47.43	4.58	31.4	43	21.5	10.2	458	2.90	8.6	0.5	16.3	2.6	40.9	0.15	0.46	0.06	98	0.65	0.121
91-PMA-0224	Till Pulp	0.49	52.30	5.30	48.2	39	28.1	12.6	558	3.12	7.1	0.6	2.5	4.7	44.7	0.14	0.41	0.09	93	0.71	0.116
91-PMA-0228	Till Pulp	0.55	98.84	6.27	62.1	46	51.9	19.2	712	4.20	6.5	0.7	2.3	3.1	64.3	0.15	0.30	0.06	134	0.94	0.132
91-PMA-0229	Till Pulp	0.70	78.60	7.27	66.8	117	27.9	17.5	816	3.70	8.8	0.9	2.7	7.7	53.0	0.21	0.39	0.13	105	0.85	0.128
91-PMA-0230	Till Pulp	0.76	79.41	7.11	73.1	120	28.6	18.4	873	3.84	7.7	0.9	11.7	7.9	55.0	0.21	0.38	0.13	111	0.88	0.120
91-PMA-0231	Till Pulp	0.49	58.76	4.81	39.1	52	23.5	9.4	426	2.67	8.0	0.6	4.8	3.1	64.5	0.15	0.52	0.06	97	1.85	0.165
91-PMA-0232	Till Pulp	0.49	55.35	8.92	48.4	36	15.8	9.4	423	3.17	7.3	0.6	10.8	2.8	49.7	0.17	0.44	0.05	114	0.95	0.148
91-PMA-0233	Till Pulp	0.61	96.48	6.40	37.8	17	17.9	11.2	527	3.19	8.0	0.7	7.1	3.0	47.6	0.12	0.44	0.06	118	0.71	0.140
91-PMA-0238	Till Pulp	1.19	113.94	11.92	67.5	30	18.7	18.6	1085	3.86	3.1	0.8	4.1	2.3	140.2	0.07	0.13	0.04	125	2.01	0.195
91-GBC-9019	Till Pulp	1.71	150.22	9.02	77.4	108	57.5	22.5	1191	4.41	12.5	0.8	5.7	4.9	76.0	0.14	0.95	0.18	113	0.94	0.134
91-PMA-0239	Till Pulp	1.03	110.51	10.57	66.1	76	28.6	17.1	804	3.80	9.3	0.7	4.8	5.2	64.1	0.24	0.39	0.12	117	1.11	0.154
91-PMA-0240	Till Pulp	0.89	105.47	17.06	97.0	124	39.9	20.4	1291	4.20	15.5	0.7	4.2	3.9	95.0	0.30	0.69	0.12	117	1.07	0.135
91-PMA-0241	Till Pulp	0.83	94.27	9.84	71.2	73	33.5	16.6	808	3.86	15.6	0.6	6.7	3.5	61.5	0.23	0.84	0.10	111	0.94	0.138
91-PMA-0242	Till Pulp	1.14	96.92	9.25	71.2	91	31.5	20.0	835	3.99	8.3	0.7	3.5	4.2	66.7	0.22	0.48	0.10	120	1.25	0.137
91-PMA-0245	Till Pulp	1.20	122.61	10.89	72.4	69	23.6	15.2	718	3.74	8.3	0.8	4.6	4.5	65.7	0.21	0.49	0.14	110	0.96	0.152
91-PMA-0249	Till Pulp	2.02	140.39	17.07	83.2	158	27.2	18.4	949	4.14	19.1	1.1	6.0	7.7	52.0	0.30	0.69	0.15	102	0.83	0.130
91-PMA-0250	Till Pulp	2.22	169.94	9.48	57.0	120	28.3	16.8	392	3.95	9.9	2.3	5.3	8.9	56.2	0.11	0.71	0.13	127	0.84	0.139
91-PMA-0252	Till Pulp	0.79	191.86	7.29	55.4	18	24.6	13.5	570	3.80	8.2	1.0	3.2	6.4	70.0	0.10	0.78	0.15	108	0.86	0.148

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3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_02
Report Date: December 19, 2019

CERTIFICATE OF ANALYSIS VAN19003743.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
91-PMA-0205	Till Pulp	11.9	59.7	0.98	177.0	0.103	<20	1.84	0.021	0.13	0.1	8.8	0.13	<0.02	113	<0.1	0.04	5.8	1.21	<0.1	0.21
91-GBC-9017	Till Pulp	10.8	39.8	0.66	103.9	0.128	<20	1.31	0.024	0.07	0.2	5.8	0.05	<0.02	65	<0.1	<0.02	4.3	0.67	<0.1	0.27
91-PMA-0206	Till Pulp	12.5	53.4	1.04	166.6	0.132	<20	1.92	0.030	0.15	0.1	8.7	0.10	<0.02	101	<0.1	0.04	6.3	1.18	<0.1	0.26
91-PMA-0207	Till Pulp	9.9	41.0	0.74	109.7	0.115	<20	1.42	0.022	0.09	0.2	6.4	0.07	<0.02	82	<0.1	0.04	4.5	0.71	<0.1	0.22
91-PMA-0208	Till Pulp	9.7	42.2	0.77	110.2	0.116	<20	1.49	0.023	0.09	0.1	6.8	0.07	<0.02	85	<0.1	0.03	4.8	0.73	<0.1	0.16
91-GBC-9018	Till Pulp	27.6	23.8	0.52	67.7	0.108	<20	1.92	0.027	0.29	>100	4.5	0.40	0.07	<5	0.5	0.19	6.1	8.00	<0.1	0.11
91-PMA-0209	Till Pulp	11.3	40.6	0.67	100.3	0.134	<20	1.35	0.026	0.07	0.2	5.5	0.04	<0.02	61	<0.1	<0.02	4.0	0.66	<0.1	0.20
91-PMA-0210	Till Pulp	10.4	31.7	0.50	79.0	0.124	<20	1.05	0.024	0.06	0.2	4.7	0.03	<0.02	66	<0.1	<0.02	3.4	0.45	<0.1	0.27
91-PMA-0212	Till Pulp	10.8	34.7	0.64	103.4	0.127	<20	1.18	0.027	0.08	0.2	5.2	0.04	<0.02	52	0.2	0.02	3.8	0.60	<0.1	0.21
91-PMA-0214	Till Pulp	12.3	48.8	0.78	207.0	0.122	<20	1.95	0.014	0.11	0.3	8.1	0.10	<0.02	77	<0.1	0.05	5.8	1.08	<0.1	0.15
91-PMA-0215	Till Pulp	10.2	42.2	0.45	91.5	0.104	<20	1.13	0.017	0.07	0.2	6.2	0.06	<0.02	68	<0.1	0.03	3.6	0.62	<0.1	0.22
91-PMA-0217	Till Pulp	10.9	46.1	0.56	96.2	0.100	<20	1.09	0.019	0.08	0.1	6.4	0.07	<0.02	101	<0.1	0.03	3.7	0.74	<0.1	0.21
91-PMA-0218	Till Pulp	10.4	41.1	0.42	80.6	0.097	<20	0.89	0.021	0.07	0.1	4.9	0.05	<0.02	61	<0.1	<0.02	2.9	0.53	<0.1	0.18
91-PMA-0224	Till Pulp	14.7	46.5	0.71	109.3	0.113	<20	1.38	0.020	0.11	0.2	7.0	0.08	<0.02	58	<0.1	0.02	4.2	0.97	<0.1	0.23
91-PMA-0228	Till Pulp	10.7	76.8	1.17	99.0	0.168	<20	2.08	0.020	0.08	0.2	10.1	0.06	<0.02	49	<0.1	<0.02	7.1	1.34	<0.1	0.14
91-PMA-0229	Till Pulp	18.8	44.8	1.05	163.9	0.144	<20	2.03	0.028	0.23	0.1	8.2	0.13	<0.02	57	<0.1	0.03	6.4	1.84	<0.1	0.18
91-PMA-0230	Till Pulp	19.2	46.8	1.08	161.3	0.147	<20	2.08	0.028	0.24	0.1	8.7	0.14	<0.02	58	<0.1	0.03	6.7	1.86	<0.1	0.25
91-PMA-0231	Till Pulp	10.9	37.1	0.62	77.8	0.123	<20	1.11	0.020	0.07	0.1	4.7	0.06	<0.02	69	<0.1	<0.02	3.8	0.76	<0.1	0.24
91-PMA-0232	Till Pulp	11.0	33.1	0.51	104.2	0.112	<20	1.17	0.022	0.07	0.1	5.9	0.04	<0.02	68	<0.1	0.02	4.2	0.69	<0.1	0.17
91-PMA-0233	Till Pulp	10.6	43.6	0.53	112.0	0.120	<20	1.26	0.013	0.07	0.2	5.9	0.04	<0.02	31	<0.1	0.03	4.4	0.82	<0.1	0.17
91-PMA-0238	Till Pulp	10.7	27.0	1.11	70.8	0.154	<20	3.97	0.017	0.09	<0.1	10.1	0.03	<0.02	45	<0.1	<0.02	12.4	1.67	0.1	0.04
91-GBC-9019	Till Pulp	15.4	68.4	1.04	233.8	0.128	<20	2.26	0.029	0.16	0.2	11.2	0.10	<0.02	185	<0.1	0.04	7.0	1.62	<0.1	0.18
91-PMA-0239	Till Pulp	13.1	41.6	0.90	217.4	0.123	<20	1.98	0.031	0.15	0.1	8.1	0.08	<0.02	81	<0.1	0.02	6.3	1.62	<0.1	0.11
91-PMA-0240	Till Pulp	12.0	56.6	1.17	262.4	0.180	<20	2.13	0.027	0.22	0.2	10.9	0.12	<0.02	167	<0.1	0.05	6.8	4.63	<0.1	0.16
91-PMA-0241	Till Pulp	13.4	50.2	0.82	206.5	0.131	<20	1.70	0.026	0.13	0.1	8.8	0.13	<0.02	151	<0.1	0.04	6.0	1.47	<0.1	0.22
91-PMA-0242	Till Pulp	13.7	52.1	1.01	121.1	0.153	<20	2.05	0.023	0.13	0.1	9.5	0.10	<0.02	50	<0.1	0.03	6.6	1.47	<0.1	0.17
91-PMA-0245	Till Pulp	13.6	40.6	0.77	162.0	0.114	<20	1.67	0.033	0.16	0.2	7.3	0.07	<0.02	78	<0.1	0.03	5.6	1.52	<0.1	0.17
91-PMA-0249	Till Pulp	17.6	44.9	0.76	149.8	0.133	<20	2.10	0.020	0.15	0.3	8.4	0.11	<0.02	73	0.1	0.09	6.8	2.29	<0.1	0.20
91-PMA-0250	Till Pulp	15.8	58.6	0.78	132.5	0.136	<20	1.88	0.028	0.18	0.3	8.9	0.08	<0.02	107	0.2	0.02	6.2	2.41	<0.1	0.22
91-PMA-0252	Till Pulp	14.4	48.7	0.83	128.0	0.132	<20	1.89	0.029	0.16	0.3	8.4	0.07	<0.02	86	<0.1	0.02	6.1	2.07	<0.1	0.21

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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Project: BG_RE_02
Report Date: December 19, 2019

CERTIFICATE OF ANALYSIS VAN19003743.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%	%	%	%	%	%
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01
91-PMA-0205	Till Pulp	0.06	8.3	9.2	<0.05	7.9	10.70	25.6	0.03	<1	0.5	14.6	<10	3	61.49	13.61	6.48	2.57	3.84	2.35	1.79
91-GBC-9017	Till Pulp	0.06	3.7	<0.1	<0.05	8.7	8.61	21.9	<0.02	<1	0.4	8.5	<10	2	67.04	12.76	5.15	2.16	3.69	2.90	1.66
91-PMA-0206	Till Pulp	0.05	9.3	0.2	<0.05	8.7	10.22	24.5	0.03	<1	0.5	12.9	<10	3	61.32	13.36	6.54	2.65	4.50	2.60	1.89
91-PMA-0207	Till Pulp	0.04	5.1	<0.1	<0.05	6.8	9.21	19.8	<0.02	<1	0.3	8.4	<10	<2	65.18	12.56	5.38	2.23	4.41	2.81	1.70
91-PMA-0208	Till Pulp	0.04	5.2	0.2	<0.05	5.6	8.92	19.5	0.02	<1	0.3	8.8	<10	2	64.81	12.62	5.49	2.25	4.41	2.84	1.71
91-GBC-9018	Till Pulp	1.77	36.3	5.3	<0.05	4.7	8.20	54.2	0.34	<1	0.9	20.0	<10	<2	64.61	14.37	5.71	1.26	1.25	2.45	3.14
91-PMA-0209	Till Pulp	0.07	3.7	0.1	<0.05	7.2	8.79	22.5	<0.02	<1	0.4	8.7	<10	<2	66.93	12.59	5.14	2.15	3.63	2.93	1.66
91-PMA-0210	Till Pulp	0.09	3.2	<0.1	<0.05	8.1	7.94	20.5	<0.02	<1	0.3	6.5	<10	<2	68.46	12.56	4.48	1.95	3.84	3.18	1.72
91-PMA-0212	Till Pulp	0.10	4.0	0.3	<0.05	6.5	8.63	21.6	<0.02	<1	0.3	7.4	<10	<2	67.08	12.45	4.62	2.13	4.40	3.08	1.82
91-PMA-0214	Till Pulp	0.13	8.9	0.3	<0.05	6.2	10.28	34.9	0.02	<1	0.5	10.3	<10	2	63.06	14.14	6.85	2.39	3.29	2.71	1.95
91-PMA-0215	Till Pulp	0.11	5.1	0.2	<0.05	6.2	8.91	18.1	<0.02	<1	0.2	5.3	<10	2	66.84	12.87	5.91	1.74	3.62	2.97	2.03
91-PMA-0217	Till Pulp	0.08	5.4	0.4	<0.05	6.2	9.44	20.6	<0.02	<1	0.3	5.7	<10	<2	66.83	12.57	6.08	1.92	3.60	2.87	1.97
91-PMA-0218	Till Pulp	0.09	4.2	0.1	<0.05	4.9	7.98	19.5	<0.02	<1	0.2	4.6	<10	3	67.17	12.20	6.25	1.80	4.09	2.89	1.87
91-PMA-0224	Till Pulp	0.08	7.9	0.4	<0.05	6.5	8.76	26.3	0.02	<1	0.3	10.0	<10	<2	63.99	13.60	6.37	2.23	3.76	2.95	2.09
91-PMA-0228	Till Pulp	0.10	5.7	0.6	<0.05	6.3	11.75	22.3	0.02	<1	0.5	11.7	<10	3	58.01	14.26	8.23	3.40	4.12	2.77	2.36
91-PMA-0229	Till Pulp	0.08	18.1	0.5	<0.05	6.5	9.91	35.4	0.02	<1	0.4	17.4	<10	<2	59.09	15.17	7.42	2.95	4.00	2.91	2.36
91-PMA-0230	Till Pulp	0.08	18.5	0.5	<0.05	7.3	10.33	35.8	0.02	<1	0.5	18.2	<10	3	59.10	15.14	7.46	2.93	3.93	2.88	2.36
91-PMA-0231	Till Pulp	0.12	3.5	0.2	<0.05	7.2	9.24	22.2	<0.02	<1	0.3	6.8	<10	<2	62.87	12.93	5.92	2.40	5.83	3.04	2.33
91-PMA-0232	Till Pulp	0.08	4.5	0.3	<0.05	5.4	9.51	20.4	<0.02	<1	0.3	5.5	<10	<2	63.17	13.52	6.69	2.05	4.51	3.10	2.51
91-PMA-0233	Till Pulp	0.21	5.7	0.3	<0.05	6.8	9.44	22.3	<0.02	<1	0.4	6.2	<10	2	61.66	14.39	6.92	2.27	4.50	3.09	2.91
91-PMA-0238	Till Pulp	0.10	4.8	5.9	<0.05	1.8	14.16	22.1	0.04	<1	0.7	11.5	<10	<2	54.83	15.93	7.44	3.73	6.02	2.32	1.84
91-GBC-9019	Till Pulp	0.11	11.3	0.5	<0.05	6.5	12.90	29.2	0.03	<1	0.7	16.4	<10	3	60.21	14.48	7.68	2.65	3.20	2.44	2.19
91-PMA-0239	Till Pulp	0.07	13.6	2.6	<0.05	4.3	11.61	25.7	0.02	<1	0.5	13.3	<10	3	60.03	14.37	7.33	2.73	4.22	2.74	2.49
91-PMA-0240	Till Pulp	0.07	15.3	2.2	<0.05	5.9	11.48	25.0	0.03	<1	0.5	17.5	<10	3	58.29	14.88	7.86	3.09	3.44	2.41	2.87
91-PMA-0241	Till Pulp	0.12	9.4	0.8	<0.05	7.3	11.96	24.9	0.03	<1	0.5	11.3	<10	<2	62.23	13.78	7.06	2.34	3.50	2.73	2.48
91-PMA-0242	Till Pulp	0.10	9.8	3.6	<0.05	7.5	11.12	27.8	0.03	<1	0.5	14.6	<10	3	58.70	14.66	7.72	2.89	4.48	2.76	2.32
91-PMA-0245	Till Pulp	0.12	12.3	2.2	<0.05	5.5	11.07	25.2	<0.02	<1	0.5	9.0	<10	2	61.10	14.19	7.22	2.41	4.02	2.82	2.65
91-PMA-0249	Till Pulp	0.27	16.1	2.2	<0.05	8.0	14.09	35.0	0.03	<1	0.9	14.6	<10	2	59.92	15.15	7.64	2.21	3.11	2.59	2.88
91-PMA-0250	Till Pulp	0.29	19.5	1.4	<0.05	7.2	13.68	32.1	0.03	<1	0.9	11.0	<10	3	59.80	14.64	7.62	2.38	3.56	2.88	2.94
91-PMA-0252	Till Pulp	0.13	17.0	0.6	<0.05	7.6	12.84	25.5	0.02	<1	0.7	11.0	<10	2	60.83	14.34	7.47	2.42	3.65	2.80	2.76

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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Project: BG_RE_02
Report Date: December 19, 2019

CERTIFICATE OF ANALYSIS VAN19003743.1

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
	Analyte	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
	Unit	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	MDL	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3	5	1	-5.1	0.01	0.02	0.02
91-PMA-0205	Till Pulp	0.74	0.23	0.15	0.022	79	942	104	77	22	343	117	50	20	7	17	6.5	99.93	0.52	<0.02
91-GBC-9017	Till Pulp	0.81	0.27	0.10	0.019	47	871	59	46	<20	442	153	46	21	7	16	3.2	99.94	0.12	<0.02
91-PMA-0206	Till Pulp	0.72	0.27	0.13	0.018	89	955	83	54	<20	400	122	42	19	7	17	5.7	99.92	0.53	<0.02
91-PMA-0207	Till Pulp	0.71	0.24	0.10	0.020	65	939	72	46	<20	444	124	35	20	<5	16	4.4	99.94	0.35	<0.02
91-PMA-0208	Till Pulp	0.71	0.26	0.10	0.021	65	943	76	46	<20	445	132	33	20	<5	17	4.5	99.94	0.35	<0.02
91-GBC-9018	Till Pulp	0.80	0.20	0.06	0.008	246	370	68	23	<20	116	381	81	29	12	11	5.9	99.93	0.98	0.07
91-PMA-0209	Till Pulp	0.81	0.27	0.10	0.020	46	864	59	44	<20	436	153	41	21	9	16	3.5	99.93	0.11	<0.02
91-PMA-0210	Till Pulp	0.78	0.25	0.09	0.017	35	898	49	36	<20	474	160	38	21	<5	15	2.4	99.94	0.09	<0.02
91-PMA-0212	Till Pulp	0.77	0.28	0.09	0.016	41	972	53	37	<20	457	119	38	19	<5	15	3.0	99.94	0.31	<0.02
91-PMA-0214	Till Pulp	0.79	0.30	0.15	0.020	110	1007	66	54	28	409	139	53	21	5	18	4.1	99.93	0.20	<0.02
91-PMA-0215	Till Pulp	0.74	0.29	0.09	0.020	60	955	50	35	<20	471	148	36	20	6	16	2.6	99.94	0.09	<0.02
91-PMA-0217	Till Pulp	0.71	0.29	0.11	0.023	67	919	57	45	<20	444	155	35	19	8	16	2.8	99.95	0.11	<0.02
91-PMA-0218	Till Pulp	0.75	0.28	0.11	0.026	49	881	55	36	<20	468	215	40	20	8	16	2.3	99.94	0.08	<0.02
91-PMA-0224	Till Pulp	0.74	0.29	0.11	0.019	53	908	65	41	<20	434	171	45	20	8	18	3.6	99.93	0.11	<0.02
91-PMA-0228	Till Pulp	0.81	0.32	0.14	0.025	101	876	79	68	24	440	157	44	22	7	20	5.3	99.91	0.19	<0.02
91-PMA-0229	Till Pulp	0.78	0.31	0.15	0.015	80	965	87	48	22	434	158	50	20	12	19	4.6	99.91	0.14	<0.02
91-PMA-0230	Till Pulp	0.78	0.30	0.15	0.014	84	964	86	42	21	431	163	43	20	8	20	4.7	99.92	0.15	<0.02
91-PMA-0231	Till Pulp	0.78	0.38	0.11	0.016	63	925	60	41	<20	462	150	42	20	10	17	3.2	99.94	0.36	<0.02
91-PMA-0232	Till Pulp	0.79	0.37	0.11	0.015	57	939	67	31	<20	474	175	40	20	9	17	2.9	99.93	0.08	<0.02
91-PMA-0233	Till Pulp	0.76	0.33	0.13	0.016	107	987	59	30	<20	512	193	33	20	9	18	2.7	99.93	0.13	<0.02
91-PMA-0238	Till Pulp	0.68	0.44	0.20	0.009	122	643	81	29	21	460	112	33	23	<5	21	6.3	99.90	0.12	<0.02
91-GBC-9019	Till Pulp	0.74	0.28	0.17	0.019	141	990	83	65	22	379	134	42	21	6	19	5.7	99.91	0.26	<0.02
91-PMA-0239	Till Pulp	0.75	0.35	0.15	0.013	108	956	79	36	<20	410	183	40	21	9	17	4.5	99.91	0.13	<0.02
91-PMA-0240	Till Pulp	0.76	0.32	0.19	0.017	102	1064	107	48	22	407	129	31	19	9	20	5.6	99.91	0.17	<0.02
91-PMA-0241	Till Pulp	0.75	0.32	0.14	0.017	88	964	80	42	<20	395	156	<30	20	<5	17	4.4	99.92	0.24	<0.02
91-PMA-0242	Till Pulp	0.82	0.32	0.14	0.016	93	883	84	45	22	444	170	34	21	10	21	4.9	99.91	0.29	<0.02
91-PMA-0245	Till Pulp	0.73	0.35	0.14	0.013	118	933	86	32	21	439	171	<30	20	8	17	4.1	99.92	0.15	<0.02
91-PMA-0249	Till Pulp	0.82	0.31	0.16	0.013	140	810	98	39	<20	347	255	55	27	17	17	4.9	99.93	0.21	<0.02
91-PMA-0250	Till Pulp	0.78	0.33	0.10	0.016	168	784	71	37	22	369	221	41	25	18	17	4.7	99.92	0.20	<0.02
91-PMA-0252	Till Pulp	0.71	0.34	0.12	0.014	190	851	67	36	<20	415	199	36	22	15	17	4.3	99.93	0.13	<0.02

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Client: **Noble Exploration Services Ltd.**
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Project: BG_RE_02
Report Date: December 19, 2019

CERTIFICATE OF ANALYSIS VAN19003743.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
91-PMA-0253	Till Pulp	0.82	203.09	7.56	58.3	19	26.8	13.9	598	3.99	8.6	1.1	5.0	6.6	77.5	0.12	0.80	0.15	114	0.93	0.157
91-PMA-0256	Till Pulp	0.74	155.99	19.20	100.6	130	29.4	17.5	803	3.91	26.5	0.7	7.5	4.8	89.4	0.28	0.85	0.15	115	1.00	0.170
91-PMA-0259	Till Pulp	1.66	147.39	8.99	76.0	104	54.2	21.6	1172	4.32	12.3	0.8	4.7	4.7	77.2	0.14	0.87	0.19	110	0.91	0.127
91-GBC-9020	Till Pulp	0.84	71.17	10.46	76.3	91	39.5	15.9	358	3.92	7.1	0.8	8.8	9.8	24.9	0.10	0.24	0.22	54	0.24	0.071
91-PMA-0260	Till Pulp	1.33	103.22	10.41	98.3	127	70.4	21.4	851	4.44	14.2	1.5	4.3	6.3	60.5	0.19	0.58	0.24	105	0.79	0.126
91-PMA-0261	Till Pulp	0.59	69.26	7.27	62.6	73	53.9	17.6	868	3.44	8.2	0.5	3.2	4.9	56.9	0.28	0.49	0.16	92	0.77	0.114
91-PMA-0262	Till Pulp	0.70	81.99	6.26	61.1	32	55.8	15.4	752	3.27	8.2	0.7	3.9	4.7	50.6	0.13	0.50	0.11	81	0.70	0.130
91-PMA-0269	Till Pulp	0.49	78.97	5.93	45.1	20	24.5	12.7	553	3.35	18.1	0.6	2.9	3.2	52.4	0.12	5.20	0.14	111	0.85	0.132
91-PMA-0270	Till Pulp	0.55	67.16	8.76	64.4	115	31.9	15.1	501	3.44	5.8	0.8	184.5	4.0	54.2	0.27	0.50	0.11	99	1.17	0.122
91-PMA-0271	Till Pulp	0.56	66.09	8.22	63.6	100	33.4	14.7	491	3.41	5.3	0.9	3.1	3.8	53.0	0.28	0.37	0.12	99	1.16	0.113
91-PMA-0272	Till Pulp	0.36	74.39	4.15	45.2	62	18.6	13.2	582	3.06	4.5	0.6	6.6	3.6	48.3	0.12	0.31	0.07	103	0.93	0.149
91-GBC-9021	Till Pulp	0.72	46.51	14.43	70.9	241	18.0	13.5	1132	3.24	16.2	0.9	7.5	3.3	10.6	0.22	3.98	2.03	55	0.32	0.083
91-PMA-0273	Till Pulp	0.49	44.53	4.19	47.5	31	28.6	10.6	459	2.79	6.1	0.6	5.1	4.2	50.1	0.18	0.38	0.07	82	0.79	0.127
91-PMA-0274	Till Pulp	0.45	44.74	3.95	46.3	26	27.9	10.9	404	2.78	5.8	0.5	3.8	4.1	48.2	0.16	0.38	0.07	82	0.78	0.131
91-PMA-0275	Till Pulp	0.58	60.60	5.25	54.4	35	38.0	14.2	705	3.43	8.1	0.6	5.0	4.3	50.7	0.12	0.49	0.09	97	0.79	0.125
91-PMA-0281	Till Pulp	1.32	79.34	10.44	82.5	158	56.2	19.1	875	3.83	12.1	1.1	4.0	8.0	66.4	0.35	0.57	0.20	92	1.43	0.123
91-PMA-0295	Till Pulp	0.55	61.33	5.71	53.4	66	29.3	13.5	591	3.24	7.0	0.5	2.6	4.3	48.2	0.16	0.49	0.10	96	0.84	0.125
91-PMA-0296	Till Pulp	0.84	77.89	6.39	75.3	77	43.9	19.7	764	4.20	7.8	0.6	1.9	4.1	70.1	0.30	0.51	0.09	129	1.86	0.142
91-GBC-9022	Till Pulp	0.69	45.95	14.38	68.2	231	17.7	13.6	1128	3.22	15.9	0.9	8.8	3.3	10.8	0.22	4.12	1.96	55	0.32	0.086
91-PMA-0297	Till Pulp	0.79	74.40	5.91	70.1	64	45.3	19.4	745	4.06	7.5	0.6	4.2	3.8	68.5	0.29	0.45	0.08	123	1.86	0.135
91-PMA-0298	Till Pulp	0.60	63.74	9.58	104.8	197	53.7	19.6	404	2.97	11.1	1.2	2.1	8.9	40.3	0.47	0.69	0.21	61	0.83	0.117
91-PMA-0307	Till Pulp	3.03	255.31	8.87	63.4	211	30.5	21.4	504	4.05	8.7	1.2	16.6	4.4	67.9	0.19	0.49	0.20	103	0.88	0.116
91-PMA-0309	Till Pulp	1.46	134.67	11.85	76.9	84	23.8	22.4	976	4.42	11.4	0.8	4.7	3.2	90.6	0.23	0.44	0.12	107	1.01	0.147
91-PMA-0312	Till Pulp	1.35	87.65	11.26	65.2	122	54.7	19.1	846	3.40	15.5	0.6	6.7	4.5	48.5	0.25	0.64	0.16	75	0.66	0.120
91-PMA-0314	Till Pulp	0.85	59.26	5.74	59.6	107	51.8	15.2	561	3.11	8.3	0.7	2.9	4.0	54.6	0.25	0.55	0.12	76	1.35	0.109
91-PMA-0315	Till Pulp	0.44	56.66	4.97	47.9	86	36.8	12.4	549	2.95	6.6	0.5	7.4	3.9	45.6	0.20	0.45	0.13	81	0.71	0.123
91-PMA-0316	Till Pulp	2.45	85.88	4.24	64.6	77	25.2	14.7	637	3.41	6.1	0.6	4.0	5.1	60.9	0.18	0.40	0.13	91	0.74	0.158
91-PMA-0321	Till Pulp	0.63	53.90	3.93	43.0	96	22.9	10.3	419	2.31	3.8	0.6	1.8	5.7	32.8	0.21	0.31	0.15	61	0.64	0.134
91-PMA-0322	Till Pulp	0.58	89.56	6.91	74.8	282	32.0	18.5	799	3.48	6.8	0.6	1.1	3.9	42.3	0.22	0.46	0.13	92	0.78	0.122
91-PMA-0323	Till Pulp	2.75	81.25	14.11	117.1	397	82.7	20.3	916	3.67	16.5	0.6	3.1	4.3	82.1	1.21	1.22	0.17	79	2.05	0.134

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Project: BG_RE_02
Report Date: December 19, 2019

CERTIFICATE OF ANALYSIS VAN19003743.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
91-PMA-0253	Till Pulp	15.6	52.2	0.89	137.2	0.147	<20	2.03	0.032	0.18	0.3	8.7	0.08	<0.02	80	<0.1	<0.02	6.5	2.29	<0.1	0.20
91-PMA-0256	Till Pulp	14.8	47.2	0.89	158.0	0.134	<20	1.86	0.037	0.18	0.2	8.0	0.07	<0.02	85	<0.1	0.03	6.0	1.76	<0.1	0.15
91-PMA-0259	Till Pulp	14.8	67.9	1.02	230.8	0.125	<20	2.23	0.030	0.16	0.1	11.3	0.11	<0.02	192	<0.1	0.04	6.8	1.63	<0.1	0.19
91-GBC-9020	Till Pulp	29.4	50.4	0.91	53.6	0.068	<20	2.15	0.008	0.11	0.1	4.9	0.13	<0.02	49	0.2	0.06	5.5	1.08	<0.1	0.03
91-PMA-0260	Till Pulp	17.6	77.6	1.24	235.2	0.127	<20	2.47	0.028	0.17	0.1	10.4	0.15	<0.02	98	<0.1	0.05	7.4	2.11	<0.1	0.25
91-PMA-0261	Till Pulp	13.9	55.0	0.88	199.7	0.111	<20	1.76	0.035	0.20	0.1	7.7	0.11	<0.02	98	<0.1	0.03	5.4	1.18	<0.1	0.21
91-PMA-0262	Till Pulp	18.1	69.7	0.81	167.2	0.109	<20	1.50	0.022	0.10	0.2	8.1	0.09	<0.02	100	<0.1	<0.02	5.0	1.04	<0.1	0.16
91-PMA-0269	Till Pulp	11.2	45.8	0.71	92.0	0.144	<20	1.49	0.021	0.10	0.5	8.3	0.06	<0.02	93	<0.1	0.02	4.7	0.95	<0.1	0.20
91-PMA-0270	Till Pulp	13.3	48.0	0.83	163.0	0.117	<20	1.66	0.020	0.10	0.1	6.8	0.09	0.03	93	<0.1	0.03	5.3	1.13	<0.1	0.19
91-PMA-0271	Till Pulp	13.0	49.9	0.84	150.7	0.114	<20	1.70	0.022	0.10	<0.1	6.8	0.09	0.02	93	0.1	0.02	5.5	1.06	<0.1	0.13
91-PMA-0272	Till Pulp	11.7	40.6	0.73	74.0	0.149	<20	1.32	0.021	0.15	<0.1	6.2	0.07	<0.02	62	<0.1	<0.02	4.4	1.20	0.1	0.16
91-GBC-9021	Till Pulp	19.8	28.9	0.58	78.2	0.084	<20	1.82	0.032	0.06	0.1	5.1	0.13	<0.02	89	0.2	0.02	6.6	0.66	<0.1	0.04
91-PMA-0273	Till Pulp	15.3	49.0	0.66	83.4	0.125	<20	1.16	0.023	0.09	0.2	5.9	0.08	<0.02	69	<0.1	<0.02	4.1	1.01	<0.1	0.19
91-PMA-0274	Till Pulp	14.5	45.3	0.66	78.4	0.120	<20	1.16	0.023	0.08	0.2	5.5	0.09	<0.02	66	<0.1	<0.02	3.9	0.98	<0.1	0.22
91-PMA-0275	Till Pulp	15.8	58.6	0.75	165.8	0.134	<20	1.82	0.025	0.09	0.1	8.8	0.08	<0.02	82	<0.1	0.03	5.5	0.88	<0.1	0.21
91-PMA-0281	Till Pulp	21.0	63.9	1.35	278.7	0.127	<20	2.02	0.027	0.25	0.2	8.0	0.16	0.02	129	0.2	0.04	6.4	2.01	<0.1	0.22
91-PMA-0295	Till Pulp	13.9	50.2	0.76	116.0	0.136	<20	1.48	0.025	0.10	0.1	7.3	0.08	<0.02	82	<0.1	0.02	5.0	1.14	<0.1	0.25
91-PMA-0296	Till Pulp	15.1	74.8	1.19	124.9	0.199	<20	2.30	0.027	0.14	0.1	11.5	0.12	<0.02	82	<0.1	0.02	7.4	1.42	<0.1	0.16
91-GBC-9022	Till Pulp	19.0	28.7	0.57	79.5	0.083	<20	1.80	0.032	0.06	0.1	4.8	0.13	<0.02	89	0.3	0.03	6.2	0.64	<0.1	0.03
91-PMA-0297	Till Pulp	14.3	71.2	1.15	119.9	0.191	<20	2.20	0.025	0.13	0.1	10.4	0.11	<0.02	81	<0.1	0.02	7.0	1.37	<0.1	0.12
91-PMA-0298	Till Pulp	24.5	48.4	0.84	116.2	0.094	<20	1.59	0.015	0.12	0.1	6.3	0.12	<0.02	55	<0.1	0.04	4.8	0.90	<0.1	0.09
91-PMA-0307	Till Pulp	13.5	49.1	0.97	172.5	0.167	<20	2.22	0.019	0.15	0.2	7.5	0.10	<0.02	99	0.3	0.11	7.6	2.18	<0.1	0.22
91-PMA-0309	Till Pulp	12.8	33.6	1.02	139.6	0.150	<20	2.22	0.022	0.15	<0.1	7.9	0.07	<0.02	77	<0.1	0.05	7.4	1.18	<0.1	0.13
91-PMA-0312	Till Pulp	13.9	58.0	0.92	158.4	0.098	<20	1.48	0.021	0.11	0.1	6.7	0.09	<0.02	93	<0.1	0.05	5.0	1.25	<0.1	0.17
91-PMA-0314	Till Pulp	12.8	59.8	1.01	130.0	0.099	<20	1.39	0.020	0.13	0.1	5.7	0.10	<0.02	88	<0.1	0.03	4.5	1.10	<0.1	0.19
91-PMA-0315	Till Pulp	12.6	48.0	0.72	131.0	0.089	<20	1.18	0.022	0.13	0.2	5.1	0.07	<0.02	75	<0.1	0.03	3.8	0.86	<0.1	0.18
91-PMA-0316	Till Pulp	16.0	57.9	1.03	102.4	0.144	<20	1.67	0.018	0.24	0.2	5.9	0.15	<0.02	49	<0.1	0.04	5.1	1.48	0.1	0.14
91-PMA-0321	Till Pulp	18.3	30.8	0.69	98.2	0.116	<20	1.13	0.018	0.17	0.5	4.3	0.10	<0.02	48	0.2	0.05	3.9	0.74	<0.1	0.14
91-PMA-0322	Till Pulp	13.4	49.2	0.94	96.9	0.140	<20	1.70	0.019	0.12	0.2	7.3	0.07	<0.02	106	0.5	0.07	5.6	0.93	<0.1	0.19
91-PMA-0323	Till Pulp	15.5	62.1	0.99	195.4	0.096	<20	1.70	0.015	0.15	0.1	7.9	0.21	<0.02	153	0.5	0.06	5.3	1.27	<0.1	0.25

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Project: BG_RE_02
Report Date: December 19, 2019

CERTIFICATE OF ANALYSIS VAN19003743.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%	%	%	%	%	%
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01
91-PMA-0253	Till Pulp	0.14	18.4	0.7	<0.05	6.9	13.92	27.9	0.02	<1	0.7	11.8	<10	<2	60.69	14.41	7.45	2.43	3.64	2.82	2.78
91-PMA-0256	Till Pulp	0.07	16.0	0.4	<0.05	4.8	11.41	27.3	0.02	<1	0.5	10.5	<10	2	61.74	13.61	7.35	2.60	4.04	2.78	2.24
91-PMA-0259	Till Pulp	0.09	10.9	0.6	<0.05	6.7	12.38	27.9	0.03	<1	0.6	15.4	<10	2	60.49	14.40	7.63	2.64	3.20	2.48	2.18
91-GBC-9020	Till Pulp	0.36	12.6	0.1	<0.05	1.4	6.36	68.4	0.02	<1	0.5	31.6	<10	<2	62.59	16.18	6.70	2.14	1.25	1.66	2.83
91-PMA-0260	Till Pulp	0.10	15.0	0.8	<0.05	8.3	12.49	31.8	0.04	2	0.6	20.4	<10	2	58.60	15.28	7.71	2.98	2.77	2.27	2.15
91-PMA-0261	Till Pulp	0.05	12.4	0.5	<0.05	5.8	10.11	28.7	0.03	<1	0.4	12.1	<10	<2	63.68	13.78	6.51	2.41	3.19	2.71	2.21
91-PMA-0262	Till Pulp	0.11	7.4	0.5	<0.05	5.4	13.42	33.2	0.03	<1	0.4	10.1	<10	<2	66.34	12.56	6.21	2.33	3.00	2.69	1.81
91-PMA-0269	Till Pulp	0.08	6.5	0.4	<0.05	7.1	10.21	20.2	<0.02	<1	0.4	8.0	<10	<2	62.38	14.07	6.88	2.32	4.29	3.12	2.43
91-PMA-0270	Till Pulp	0.26	7.9	0.5	<0.05	7.4	9.83	26.5	0.02	<1	0.4	12.2	<10	3	62.31	13.94	6.70	2.44	4.06	2.69	2.25
91-PMA-0271	Till Pulp	0.19	7.9	0.4	<0.05	6.0	9.50	25.9	0.02	<1	0.4	13.0	<10	<2	62.07	14.05	6.75	2.48	4.06	2.71	2.28
91-PMA-0272	Till Pulp	0.06	11.1	0.3	<0.05	4.7	8.54	21.2	<0.02	<1	0.3	8.1	<10	2	62.11	14.04	6.62	2.63	4.98	3.23	2.39
91-GBC-9021	Till Pulp	1.06	6.6	0.9	<0.05	1.4	12.85	54.4	0.05	<1	0.5	10.0	<10	<2	60.74	13.65	6.91	2.18	2.70	2.73	2.16
91-PMA-0273	Till Pulp	0.09	6.8	0.2	<0.05	5.5	9.03	28.4	<0.02	<1	0.3	8.6	<10	2	65.86	13.02	5.93	2.29	3.99	3.03	2.04
91-PMA-0274	Till Pulp	0.09	6.4	0.2	<0.05	5.9	8.70	27.4	<0.02	<1	0.3	8.3	<10	<2	66.21	12.90	5.89	2.28	3.95	3.00	2.02
91-PMA-0275	Till Pulp	0.07	6.6	0.3	<0.05	7.5	11.20	28.7	0.02	<1	0.4	11.5	<10	<2	63.71	13.65	6.53	2.14	3.19	2.72	1.98
91-PMA-0281	Till Pulp	0.19	18.6	2.9	<0.05	6.8	11.04	38.1	0.03	<1	0.4	18.7	<10	<2	58.83	14.69	7.25	3.38	4.22	2.57	2.27
91-PMA-0295	Till Pulp	0.07	8.2	0.3	<0.05	7.6	9.44	25.3	0.02	<1	0.4	11.0	<10	<2	63.47	13.80	6.40	2.37	3.93	2.98	2.28
91-PMA-0296	Till Pulp	0.05	10.0	0.6	<0.05	6.5	11.82	28.2	0.03	<1	0.6	14.8	<10	3	57.44	14.27	7.49	3.02	5.00	2.65	2.28
91-GBC-9022	Till Pulp	1.04	6.5	0.9	<0.05	1.5	13.08	53.2	0.05	<1	0.5	9.8	<10	<2	60.71	13.65	6.93	2.17	2.71	2.77	2.15
91-PMA-0297	Till Pulp	0.04	9.5	0.3	<0.05	5.0	11.24	28.2	0.03	<1	0.5	14.8	<10	3	57.34	14.34	7.50	3.03	5.10	2.68	2.30
91-PMA-0298	Till Pulp	0.09	11.1	0.4	<0.05	4.4	10.40	48.1	0.02	<1	0.5	17.2	<10	<2	65.61	13.51	5.65	2.30	2.98	2.20	2.04
91-PMA-0307	Till Pulp	0.20	17.5	2.0	<0.05	7.4	9.11	26.3	0.02	<1	0.6	18.6	<10	<2	58.39	15.71	7.88	2.77	3.81	2.87	2.54
91-PMA-0309	Till Pulp	0.05	9.7	3.0	<0.05	5.7	10.91	25.1	0.03	<1	0.6	16.2	<10	3	57.24	15.95	8.26	2.76	4.03	2.74	2.61
91-PMA-0312	Till Pulp	0.08	9.5	3.1	<0.05	6.3	10.21	28.1	0.03	<1	0.5	11.5	<10	<2	64.35	13.47	6.52	2.63	2.96	2.62	2.16
91-PMA-0314	Till Pulp	0.15	8.7	0.2	<0.05	6.6	8.81	24.8	0.02	<1	0.3	10.5	<10	2	64.55	12.52	6.07	2.75	4.04	2.56	1.86
91-PMA-0315	Till Pulp	0.05	8.5	0.2	<0.05	4.5	8.81	22.8	<0.02	<1	0.3	8.2	<10	<2	66.83	12.37	6.06	2.35	3.66	2.72	1.95
91-PMA-0316	Till Pulp	0.10	18.0	0.3	<0.05	4.6	7.57	28.4	0.03	<1	0.2	13.5	<10	2	60.36	14.69	7.18	3.09	4.47	3.15	2.17
91-PMA-0321	Till Pulp	0.11	9.4	0.9	<0.05	4.4	7.98	32.2	<0.02	<1	0.1	10.1	<10	<2	65.91	14.21	4.66	2.12	3.87	3.44	2.41
91-PMA-0322	Till Pulp	0.10	7.6	2.3	<0.05	7.4	10.35	25.5	<0.02	<1	0.5	13.7	<10	4	62.64	14.16	6.41	2.68	3.56	2.93	2.24
91-PMA-0323	Till Pulp	0.05	10.5	4.1	<0.05	9.0	10.13	32.0	0.02	<1	0.4	14.7	<10	<2	60.41	13.48	6.76	2.77	4.67	2.00	2.05

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PHONE (604) 253-3158

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_02
Report Date: December 19, 2019

CERTIFICATE OF ANALYSIS VAN19003743.1

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
	Analyte	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
	Unit	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	MDL	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3	5	1	-5.1	0.01	0.02	0.02
91-PMA-0253	Till Pulp	0.71	0.34	0.12	0.013	188	850	69	36	<20	412	190	<30	22	13	16	4.3	99.93	0.13	<0.02
91-PMA-0256	Till Pulp	0.77	0.36	0.14	0.014	142	900	105	39	<20	440	147	35	20	12	17	4.1	99.92	0.14	<0.02
91-PMA-0259	Till Pulp	0.73	0.28	0.17	0.019	142	988	87	65	23	375	130	38	21	8	19	5.5	99.92	0.22	<0.02
91-GBC-9020	Till Pulp	0.90	0.16	0.07	0.018	67	602	87	50	<20	217	372	120	32	18	16	5.3	99.94	0.43	<0.02
91-PMA-0260	Till Pulp	0.76	0.27	0.13	0.019	92	1006	100	80	20	318	141	43	21	<5	19	6.8	99.91	0.33	<0.02
91-PMA-0261	Till Pulp	0.67	0.27	0.14	0.018	68	1011	73	66	<20	380	139	41	19	5	16	4.1	99.93	0.14	<0.02
91-PMA-0262	Till Pulp	0.74	0.29	0.12	0.022	75	915	68	67	<20	348	152	45	24	11	16	3.6	99.93	0.19	<0.02
91-PMA-0269	Till Pulp	0.71	0.32	0.11	0.018	80	981	58	35	<20	513	150	<30	20	<5	19	3.1	99.93	0.10	<0.02
91-PMA-0270	Till Pulp	0.82	0.28	0.10	0.017	67	875	78	47	<20	388	177	40	22	11	17	4.1	99.93	0.44	0.03
91-PMA-0271	Till Pulp	0.81	0.28	0.10	0.017	66	884	78	45	<20	391	174	31	22	14	17	4.1	99.93	0.44	0.03
91-PMA-0272	Till Pulp	0.72	0.33	0.12	0.014	71	946	56	28	<20	542	136	<30	18	<5	20	2.5	99.92	0.07	<0.02
91-GBC-9021	Till Pulp	0.96	0.21	0.19	0.010	46	672	91	28	<20	296	506	70	33	12	13	7.3	99.94	1.98	0.03
91-PMA-0273	Till Pulp	0.77	0.30	0.10	0.019	42	868	58	42	<20	438	137	41	21	12	16	2.4	99.93	0.12	<0.02
91-PMA-0274	Till Pulp	0.76	0.31	0.09	0.018	43	861	59	37	<20	436	176	32	21	11	17	2.3	99.93	0.11	<0.02
91-PMA-0275	Till Pulp	0.75	0.28	0.11	0.018	57	956	66	52	<20	390	134	36	21	8	17	4.7	99.93	0.18	<0.02
91-PMA-0281	Till Pulp	0.75	0.28	0.14	0.017	76	1063	95	66	<20	370	154	45	21	14	18	5.3	99.91	0.59	0.03
91-PMA-0295	Till Pulp	0.73	0.29	0.11	0.018	56	968	69	43	<20	455	144	<30	19	12	17	3.4	99.92	0.13	<0.02
91-PMA-0296	Till Pulp	0.80	0.33	0.13	0.021	77	1024	85	54	22	466	130	31	20	12	21	6.3	99.91	0.38	<0.02
91-GBC-9022	Till Pulp	0.99	0.21	0.19	0.009	46	676	95	32	<20	297	481	70	33	17	13	7.3	99.95	1.99	0.03
91-PMA-0297	Till Pulp	0.82	0.33	0.13	0.022	77	1027	85	55	23	469	92	<30	21	7	21	6.1	99.90	0.39	<0.02
91-PMA-0298	Till Pulp	0.88	0.28	0.08	0.020	61	864	116	66	22	306	289	67	29	20	16	4.2	99.92	0.27	<0.02
91-PMA-0307	Till Pulp	0.82	0.28	0.11	0.014	247	1004	78	41	25	412	153	33	20	11	18	4.5	99.92	0.21	<0.02
91-PMA-0309	Till Pulp	0.85	0.35	0.16	0.011	128	1054	92	32	22	537	128	<30	22	11	20	4.7	99.92	0.14	<0.02
91-PMA-0312	Till Pulp	0.72	0.28	0.14	0.018	87	948	79	63	22	334	117	<30	20	13	16	3.9	99.93	0.17	<0.02
91-PMA-0314	Till Pulp	0.72	0.26	0.11	0.021	60	835	72	65	<20	346	143	38	19	8	15	4.3	99.93	0.50	<0.02
91-PMA-0315	Till Pulp	0.67	0.29	0.11	0.018	56	893	59	42	<20	398	161	32	19	10	15	2.7	99.92	0.12	<0.02
91-PMA-0316	Till Pulp	0.77	0.34	0.13	0.015	81	909	79	34	<20	521	182	34	21	10	20	3.3	99.91	0.13	<0.02
91-PMA-0321	Till Pulp	0.60	0.27	0.09	0.011	50	1208	56	29	<20	493	223	53	21	14	16	2.1	99.93	0.14	<0.02
91-PMA-0322	Till Pulp	0.70	0.27	0.13	0.016	84	1155	85	47	<20	426	169	34	22	12	20	4.0	99.92	0.24	<0.02
91-PMA-0323	Till Pulp	0.77	0.28	0.15	0.024	79	1255	133	101	20	324	143	46	24	10	17	6.3	99.92	0.70	<0.02

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_02
Report Date: December 19, 2019

CERTIFICATE OF ANALYSIS VAN19003743.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
91-PMA-0324	Till Pulp	1.53	86.17	10.61	95.2	210	56.5	21.5	957	3.78	16.8	0.6	2.8	5.0	44.8	0.67	0.85	0.17	87	0.73	0.147
91-PMA-0325	Till Pulp	1.03	55.99	4.74	60.3	120	27.9	11.1	600	2.73	6.8	0.6	1.2	3.6	73.2	0.38	0.54	0.11	69	3.05	0.135
91-GBC-9023	Till Pulp	14.56	263.03	37.10	60.4	185	15.4	6.1	265	3.33	109.6	2.5	3.5	11.5	9.7	0.14	0.52	49.41	40	0.11	0.074
91-PMA-0326	Till Pulp	0.98	54.45	4.59	60.2	134	27.6	11.6	606	2.74	6.7	0.6	0.7	3.5	72.7	0.41	0.54	0.10	70	3.13	0.136
91-PMA-0327	Till Pulp	1.87	83.46	6.59	96.3	213	38.6	17.3	964	3.60	15.6	0.6	5.2	3.1	47.5	0.68	1.02	0.10	84	0.77	0.159
91-PMA-0328	Till Pulp	0.83	82.17	6.38	48.7	124	30.6	14.0	625	3.21	7.8	0.7	9.6	4.2	76.3	0.23	0.45	0.20	91	1.45	0.130
91-PMA-0329	Till Pulp	0.92	70.69	6.32	47.7	99	20.7	13.1	638	3.00	2.8	1.2	4.0	8.0	71.1	0.14	0.23	0.16	89	1.12	0.145
91-PMA-0331	Till Pulp	2.00	92.88	9.32	108.2	276	55.0	19.8	906	4.00	13.8	0.9	1.0	5.7	71.2	0.67	0.76	0.21	94	1.99	0.140
91-PMA-0332	Till Pulp	1.97	92.57	9.73	104.3	255	55.0	19.9	921	3.97	13.2	0.8	2.7	5.3	68.3	0.67	0.78	0.20	94	1.75	0.133
91-PMA-0333	Till Pulp	0.98	74.02	7.85	82.2	185	42.1	16.9	757	3.57	9.5	0.6	5.2	5.6	67.7	0.46	0.55	0.18	88	1.98	0.138
91-PMA-0338	Till Pulp	5.88	87.41	17.94	168.8	552	106.8	22.4	730	3.85	20.5	0.8	2.3	5.2	91.2	2.13	1.66	0.23	59	3.09	0.128
91-PMA-0339	Till Pulp	9.12	108.78	20.25	230.0	569	117.4	24.9	752	4.42	25.0	0.8	2.9	5.8	78.5	2.52	2.06	0.28	58	2.64	0.136
91-GBC-9024	Till Pulp	14.90	258.95	34.18	60.7	188	16.0	6.2	269	3.34	108.4	2.4	2.2	10.5	9.5	0.25	0.48	43.57	39	0.11	0.069
91-PMA-0341	Till Pulp	1.81	57.68	12.59	93.1	124	90.3	18.1	729	3.49	13.7	1.1	3.7	7.4	36.3	0.47	0.91	0.27	62	0.66	0.156
91-PMA-0342	Till Pulp	1.17	108.26	7.94	100.6	117	107.8	33.8	1179	5.27	12.8	0.4	4.8	3.8	28.0	0.33	0.81	0.14	108	0.77	0.106
91-PMA-0344	Till Pulp	0.66	93.84	6.51	69.5	172	508.7	54.3	883	4.29	12.6	0.4	1.0	2.2	56.2	0.35	0.40	0.09	96	2.77	0.051
91-PMA-0345	Till Pulp	0.64	108.00	7.34	68.3	84	813.4	65.1	1124	4.65	15.5	0.6	0.6	2.3	23.5	0.30	0.41	0.09	99	0.69	0.052
91-PMA-0346	Till Pulp	1.68	67.87	11.51	95.0	185	136.7	25.1	870	4.25	20.5	0.6	2.7	5.3	77.6	0.61	0.92	0.21	81	2.02	0.105
91-PMA-0347	Till Pulp	1.64	70.33	11.83	99.7	203	125.3	24.1	848	4.04	18.0	0.7	2.5	5.3	79.8	0.56	0.92	0.21	78	1.99	0.098
91-PMA-0348	Till Pulp	1.15	39.26	9.85	67.5	182	68.3	14.5	529	2.70	9.8	0.7	4.0	6.2	76.4	0.52	0.55	0.21	52	2.19	0.132
91-PMA-0352	Till Pulp	0.92	48.73	15.45	75.3	73	48.3	18.5	703	3.67	2.7	1.0	<0.2	10.4	14.3	0.31	0.26	0.47	42	0.29	0.067
91-PMA-0353	Till Pulp	0.97	90.78	15.03	113.2	177	223.7	27.8	1112	3.32	13.6	1.7	8.4	6.4	28.8	1.31	0.32	0.66	73	0.48	0.060
91-PMA-0354	Till Pulp	1.76	53.50	12.48	96.9	208	66.6	17.9	663	3.47	11.4	0.9	<0.2	7.5	39.5	0.57	0.78	0.20	64	0.76	0.131
91-PMA-0358	Till Pulp	1.35	48.06	10.31	64.9	77	68.2	20.0	686	3.62	8.1	0.7	<0.2	7.1	74.4	0.25	0.79	0.18	54	1.82	0.097
91-PMA-0362	Till Pulp	0.86	60.29	4.99	59.9	96	99.0	19.5	740	3.28	9.0	0.6	0.2	2.7	89.5	0.35	0.61	0.09	79	2.77	0.118
91-PMA-0364	Till Pulp	1.10	56.07	9.90	59.3	63	158.9	20.4	819	3.34	18.2	0.7	2.5	4.2	132.8	0.29	0.74	0.13	73	3.27	0.125
91-PMA-0365	Till Pulp	2.99	34.00	11.04	53.9	57	228.5	16.3	498	2.54	12.2	1.0	<0.2	2.5	272.1	0.33	2.46	0.08	56	8.23	0.285
91-GBC-9025	Till Pulp	0.78	72.26	9.79	73.4	89	39.2	14.6	347	3.86	6.8	0.7	5.2	7.5	24.1	0.11	0.27	0.21	53	0.23	0.066
91-PMA-0367	Till Pulp	1.51	43.71	14.48	96.2	135	56.2	17.0	702	3.50	6.3	1.2	0.6	7.8	100.7	0.43	0.37	0.25	59	3.20	0.087
91-PMA-0370	Till Pulp	3.79	57.00	15.36	144.3	231	79.2	18.4	665	3.41	11.6	1.0	<0.2	6.3	85.9	1.27	0.95	0.24	58	2.87	0.110

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Project: BG_RE_02
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CERTIFICATE OF ANALYSIS VAN19003743.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
91-PMA-0324	Till Pulp	17.4	53.1	0.92	153.9	0.117	<20	1.85	0.015	0.17	0.2	8.4	0.18	<0.02	108	0.1	0.04	5.7	1.32	<0.1	0.23
91-PMA-0325	Till Pulp	13.5	36.9	0.92	97.6	0.132	<20	1.44	0.020	0.14	0.2	5.2	0.09	<0.02	50	0.3	0.04	4.8	0.72	<0.1	0.23
91-GBC-9023	Till Pulp	26.7	24.2	0.51	66.0	0.110	<20	1.89	0.026	0.29	>100	4.3	0.40	0.07	22	0.7	0.21	6.2	8.11	<0.1	0.08
91-PMA-0326	Till Pulp	13.5	38.0	0.91	98.4	0.136	<20	1.48	0.020	0.14	0.2	5.1	0.09	<0.02	36	0.2	0.05	4.6	0.71	<0.1	0.21
91-PMA-0327	Till Pulp	16.4	41.3	0.80	107.6	0.109	<20	1.52	0.015	0.11	<0.1	7.9	0.11	<0.02	87	0.4	0.07	4.6	0.65	<0.1	0.17
91-PMA-0328	Till Pulp	13.9	37.0	0.78	131.5	0.095	<20	1.30	0.025	0.17	0.4	5.8	0.08	<0.02	118	0.1	0.05	4.3	1.28	<0.1	0.09
91-PMA-0329	Till Pulp	16.7	40.2	0.82	174.9	0.114	<20	1.37	0.030	0.28	0.2	5.0	0.11	<0.02	86	0.1	0.04	4.8	1.51	<0.1	0.13
91-PMA-0331	Till Pulp	19.5	57.1	1.27	201.5	0.128	<20	2.14	0.022	0.22	0.2	8.5	0.18	<0.02	102	0.5	0.06	6.6	1.71	<0.1	0.17
91-PMA-0332	Till Pulp	18.2	55.4	1.27	203.0	0.124	<20	2.14	0.021	0.22	0.2	8.2	0.18	<0.02	104	0.4	0.05	6.9	1.68	0.1	0.18
91-PMA-0333	Till Pulp	18.7	51.3	1.19	152.6	0.117	<20	1.89	0.021	0.19	0.2	7.2	0.16	<0.02	82	0.2	0.03	5.9	1.63	<0.1	0.13
91-PMA-0338	Till Pulp	16.3	78.4	1.18	192.4	0.058	<20	1.50	0.009	0.13	0.1	7.8	0.26	<0.02	193	1.7	0.09	4.2	0.96	<0.1	0.23
91-PMA-0339	Till Pulp	17.2	74.6	1.24	194.1	0.048	<20	1.59	0.009	0.13	0.1	7.5	0.30	<0.02	207	1.9	0.10	4.4	1.00	<0.1	0.27
91-GBC-9024	Till Pulp	25.8	23.4	0.51	63.4	0.108	<20	1.84	0.026	0.29	>100	4.1	0.39	0.07	31	0.5	0.21	6.1	7.54	<0.1	0.10
91-PMA-0341	Till Pulp	24.4	62.6	0.85	141.7	0.094	<20	1.34	0.015	0.15	0.4	7.7	0.18	<0.02	59	0.5	0.05	4.5	1.42	<0.1	0.11
91-PMA-0342	Till Pulp	16.0	97.6	1.60	380.9	0.088	<20	2.09	0.013	0.10	<0.1	17.0	0.13	<0.02	194	0.4	0.04	5.4	2.00	<0.1	0.14
91-PMA-0344	Till Pulp	8.3	292.9	5.30	151.5	0.082	<20	2.08	0.015	0.07	<0.1	12.4	0.07	<0.02	63	0.2	0.04	4.5	1.63	<0.1	0.09
91-PMA-0345	Till Pulp	7.8	380.7	7.40	148.7	0.070	<20	1.99	0.013	0.06	<0.1	13.7	0.09	<0.02	71	0.3	0.03	4.4	1.47	<0.1	0.09
91-PMA-0346	Till Pulp	17.4	101.2	1.63	173.1	0.093	<20	1.92	0.016	0.17	<0.1	9.0	0.17	<0.02	120	0.3	0.04	5.4	1.42	<0.1	0.15
91-PMA-0347	Till Pulp	17.6	91.1	1.57	174.1	0.092	<20	1.90	0.015	0.17	0.1	9.0	0.18	<0.02	130	0.4	0.04	5.7	1.44	<0.1	0.17
91-PMA-0348	Till Pulp	19.2	54.4	0.85	163.0	0.087	<20	1.23	0.020	0.16	0.4	5.1	0.18	<0.02	38	0.4	0.04	3.8	1.19	<0.1	0.16
91-PMA-0352	Till Pulp	30.3	38.3	0.88	119.0	0.083	<20	1.56	0.008	0.35	0.2	5.1	0.32	<0.02	44	0.2	0.03	4.8	3.80	<0.1	0.08
91-PMA-0353	Till Pulp	15.7	111.5	1.75	281.9	0.145	<20	1.99	0.018	0.47	1.7	7.2	0.63	<0.02	82	<0.1	0.07	7.6	5.72	0.1	0.13
91-PMA-0354	Till Pulp	26.6	58.3	0.93	370.5	0.108	<20	1.57	0.016	0.19	0.1	7.1	0.18	<0.02	58	0.4	0.06	5.2	1.24	0.1	0.18
91-PMA-0358	Till Pulp	23.0	54.8	0.93	66.5	0.094	<20	1.36	0.010	0.14	0.3	5.8	0.12	<0.02	40	0.1	0.03	4.5	1.10	0.1	0.20
91-PMA-0362	Till Pulp	12.7	86.1	1.52	128.2	0.128	<20	1.53	0.017	0.08	0.1	6.9	0.09	<0.02	94	0.2	0.03	4.5	0.99	<0.1	0.27
91-PMA-0364	Till Pulp	15.7	89.6	1.39	129.9	0.106	<20	1.49	0.018	0.12	0.2	7.4	0.14	<0.02	87	0.2	0.03	4.5	0.61	<0.1	0.15
91-PMA-0365	Till Pulp	12.7	96.9	1.62	83.0	0.088	<20	1.11	0.013	0.08	0.4	5.1	0.27	<0.02	135	0.4	0.05	3.3	1.33	<0.1	0.13
91-GBC-9025	Till Pulp	25.9	48.4	0.89	50.5	0.065	<20	2.07	0.008	0.11	<0.1	4.3	0.13	<0.02	49	0.2	0.07	5.4	1.08	<0.1	<0.02
91-PMA-0367	Till Pulp	20.9	58.9	1.34	287.2	0.123	<20	2.06	0.025	0.41	0.2	6.3	0.27	<0.02	83	0.4	0.04	6.8	2.13	<0.1	0.17
91-PMA-0370	Till Pulp	20.9	54.9	0.96	389.0	0.077	<20	1.56	0.011	0.23	0.2	6.4	0.24	<0.02	92	0.6	0.06	4.9	1.48	<0.1	0.20

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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Project: BG_RE_02
Report Date: December 19, 2019

CERTIFICATE OF ANALYSIS VAN19003743.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%	%	%	%	%	%
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01
91-PMA-0324	Till Pulp	0.07	12.8	2.5	<0.05	8.6	10.74	37.0	0.03	<1	0.4	15.8	<10	<2	62.06	14.30	7.00	2.50	3.14	2.51	2.14
91-PMA-0325	Till Pulp	0.09	8.8	0.2	<0.05	7.4	8.87	26.3	<0.02	<1	0.3	12.7	<10	<2	59.76	13.42	5.39	2.58	6.85	2.88	2.11
91-GBC-9023	Till Pulp	1.97	35.7	5.3	<0.05	4.3	7.82	50.3	0.29	1	0.6	20.5	<10	3	64.90	14.33	5.68	1.25	1.26	2.48	3.16
91-PMA-0326	Till Pulp	0.08	8.8	0.2	<0.05	6.9	8.68	25.1	0.02	<1	0.3	12.2	<10	<2	59.48	13.49	5.40	2.57	6.88	2.91	2.10
91-PMA-0327	Till Pulp	0.07	5.6	0.2	<0.05	7.3	13.32	31.4	0.03	2	0.4	10.6	<10	3	63.87	13.71	6.61	2.20	3.34	2.68	1.97
91-PMA-0328	Till Pulp	0.10	9.4	0.3	<0.05	4.3	8.55	27.2	<0.02	<1	0.5	9.6	<10	2	62.91	13.30	6.42	2.32	4.70	2.80	2.12
91-PMA-0329	Till Pulp	0.13	17.1	2.5	<0.05	4.2	8.54	31.9	<0.02	1	0.3	15.5	<10	<2	60.96	14.45	6.51	2.81	4.85	3.15	2.72
91-PMA-0331	Till Pulp	0.08	16.8	0.4	<0.05	7.9	10.67	36.2	0.02	<1	0.6	19.8	<10	3	58.02	14.58	7.10	3.11	4.61	2.35	2.17
91-PMA-0332	Till Pulp	0.09	16.4	0.5	<0.05	8.4	10.67	35.5	0.02	<1	0.5	19.5	<10	<2	57.96	14.65	7.21	3.14	4.36	2.33	2.20
91-PMA-0333	Till Pulp	0.09	15.1	0.5	<0.05	6.8	10.01	35.4	0.02	<1	0.6	16.6	<10	3	58.19	14.24	6.76	3.07	4.99	2.46	2.18
91-PMA-0338	Till Pulp	0.04	7.7	0.3	<0.05	8.7	10.85	32.5	0.03	<1	0.3	15.2	<10	3	58.10	12.56	7.00	3.42	5.97	1.35	1.95
91-PMA-0339	Till Pulp	0.04	7.7	0.3	<0.05	10.1	10.97	35.0	0.03	<1	0.4	19.4	<10	<2	57.76	13.43	7.74	3.49	5.04	1.29	2.19
91-GBC-9024	Till Pulp	1.93	35.8	5.2	<0.05	4.3	7.68	50.1	0.30	<1	1.1	19.8	<10	<2	64.31	14.37	5.69	1.25	1.25	2.44	3.14
91-PMA-0341	Till Pulp	0.28	13.9	0.5	<0.05	5.1	14.18	47.3	0.03	1	0.4	16.3	<10	<2	64.78	13.36	6.40	2.63	2.79	2.34	2.04
91-PMA-0342	Till Pulp	0.05	6.5	0.4	<0.05	5.3	14.74	31.9	0.03	4	0.4	15.1	<10	<2	58.29	13.45	9.24	4.29	3.27	1.60	1.46
91-PMA-0344	Till Pulp	<0.02	4.0	0.4	<0.05	3.5	7.95	17.3	<0.02	<1	0.3	12.3	<10	3	50.56	9.69	8.16	11.34	6.87	1.05	0.81
91-PMA-0345	Till Pulp	<0.02	3.7	0.2	<0.05	3.0	8.78	17.3	0.02	1	0.1	11.6	<10	4	51.68	9.26	8.50	14.66	3.29	0.97	0.77
91-PMA-0346	Till Pulp	0.07	12.4	0.5	<0.05	7.2	10.81	35.8	0.03	1	0.5	20.0	<10	3	57.75	14.02	7.40	3.83	4.14	1.78	2.13
91-PMA-0347	Till Pulp	0.07	13.4	0.4	<0.05	7.2	11.05	36.8	0.03	<1	0.6	19.8	<10	3	57.88	14.18	7.34	3.74	4.22	1.79	2.18
91-PMA-0348	Till Pulp	0.13	14.7	0.4	<0.05	5.1	10.13	38.3	<0.02	<1	0.2	15.0	<10	<2	63.62	12.34	5.36	2.74	5.21	2.21	1.90
91-PMA-0352	Till Pulp	0.08	37.5	1.7	<0.05	2.3	11.74	65.8	0.02	<1	0.8	25.3	<10	3	65.88	14.32	6.40	2.18	1.12	1.08	3.13
91-PMA-0353	Till Pulp	0.32	49.6	1.2	<0.05	4.3	14.50	34.8	0.05	<1	1.1	23.8	<10	<2	65.23	11.33	6.34	5.24	2.47	1.90	1.56
91-PMA-0354	Till Pulp	0.10	15.7	2.0	<0.05	6.5	11.56	54.7	<0.02	2	0.4	15.8	<10	<2	66.56	12.52	6.21	2.56	2.69	1.70	1.97
91-PMA-0358	Till Pulp	0.10	11.7	1.6	<0.05	6.6	10.39	47.9	0.02	<1	0.2	14.1	<10	<2	61.31	14.31	6.56	2.51	4.12	1.96	2.47
91-PMA-0362	Till Pulp	0.07	5.5	0.5	<0.05	7.8	9.77	25.9	<0.02	<1	0.4	15.0	<10	3	59.19	12.36	6.43	4.17	6.14	2.49	1.53
91-PMA-0364	Till Pulp	0.11	6.8	1.3	<0.05	7.3	10.75	32.1	0.03	<1	0.4	11.5	<10	3	58.20	12.71	6.17	3.49	6.48	2.25	1.90
91-PMA-0365	Till Pulp	0.22	4.6	3.4	<0.05	7.4	14.77	21.5	0.02	<1	0.5	8.3	14	<2	51.13	8.95	4.70	3.89	14.12	1.67	1.19
91-GBC-9025	Till Pulp	0.41	12.4	0.1	<0.05	1.0	5.63	64.7	<0.02	<1	0.5	31.7	<10	<2	62.52	16.25	6.73	2.15	1.27	1.67	2.81
91-PMA-0367	Till Pulp	0.25	34.2	3.6	<0.05	5.8	9.79	42.8	0.02	2	0.5	25.0	<10	3	56.85	14.24	6.30	3.16	5.91	1.59	2.59
91-PMA-0370	Till Pulp	0.08	17.6	0.6	<0.05	8.0	11.05	42.9	0.03	1	0.6	16.3	<10	2	60.69	12.94	6.03	2.46	5.24	1.30	2.44

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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Project: BG_RE_02
Report Date: December 19, 2019

CERTIFICATE OF ANALYSIS VAN19003743.1

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
	Analyte	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
	Unit	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	MDL	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3	5	1	-5.1	0.01	0.02	0.02
91-PMA-0324	Till Pulp	0.77	0.32	0.16	0.019	84	1133	106	65	22	378	182	50	24	13	18	4.8	99.93	0.21	<0.02
91-PMA-0325	Till Pulp	0.67	0.29	0.11	0.013	51	1044	73	37	<20	454	140	37	21	11	16	5.7	99.93	1.01	<0.02
91-GBC-9023	Till Pulp	0.80	0.20	0.06	0.008	243	368	67	<20	<20	118	385	73	31	16	10	5.6	99.93	1.01	0.06
91-PMA-0326	Till Pulp	0.68	0.29	0.11	0.013	54	1047	76	39	<20	453	140	41	21	10	16	5.8	99.92	1.01	<0.02
91-PMA-0327	Till Pulp	0.83	0.34	0.15	0.017	75	1082	112	50	<20	414	173	50	27	8	19	4.0	99.92	0.20	<0.02
91-PMA-0328	Till Pulp	0.67	0.29	0.12	0.013	74	982	73	39	<20	463	159	30	19	11	15	4.1	99.94	0.44	<0.02
91-PMA-0329	Till Pulp	0.65	0.30	0.13	0.012	64	1000	61	32	<20	456	203	40	20	11	17	3.2	99.91	0.26	<0.02
91-PMA-0331	Till Pulp	0.76	0.29	0.14	0.018	86	1109	111	68	21	355	137	43	22	11	18	6.5	99.91	0.67	<0.02
91-PMA-0332	Till Pulp	0.77	0.30	0.14	0.016	86	1120	118	67	21	350	134	34	22	12	18	6.6	99.91	0.64	<0.02
91-PMA-0333	Till Pulp	0.75	0.31	0.13	0.016	70	1038	110	58	<20	381	152	39	22	12	18	6.6	99.91	0.69	<0.02
91-PMA-0338	Till Pulp	0.86	0.29	0.11	0.033	80	1192	187	136	24	198	184	64	32	13	19	8.0	99.90	1.19	<0.02
91-PMA-0339	Till Pulp	0.85	0.29	0.11	0.031	102	1282	239	139	25	173	194	51	33	12	19	7.4	99.89	1.03	<0.02
91-GBC-9024	Till Pulp	0.79	0.20	0.06	0.008	243	365	68	23	<20	117	401	85	29	17	10	6.3	99.93	1.02	0.07
91-PMA-0341	Till Pulp	0.88	0.35	0.12	0.028	55	1040	107	118	23	279	272	84	33	16	18	4.0	99.92	0.34	<0.02
91-PMA-0342	Till Pulp	0.99	0.23	0.18	0.031	99	1193	105	120	37	166	152	40	29	12	32	6.6	99.87	0.25	<0.02
91-PMA-0344	Till Pulp	0.69	0.12	0.14	0.063	90	680	82	535	55	138	102	<30	19	9	27	10.1	99.78	0.98	<0.02
91-PMA-0345	Till Pulp	0.66	0.12	0.18	0.076	101	643	83	823	73	102	103	<30	19	<5	27	9.3	99.72	0.32	<0.02
91-PMA-0346	Till Pulp	0.82	0.24	0.13	0.030	66	1101	110	146	25	237	177	49	26	12	19	7.4	99.90	0.72	<0.02
91-PMA-0347	Till Pulp	0.82	0.24	0.13	0.029	66	1099	112	141	26	240	170	48	26	15	19	7.1	99.90	0.78	<0.02
91-PMA-0348	Till Pulp	0.81	0.31	0.10	0.027	38	951	85	97	<20	300	236	70	29	15	15	5.1	99.92	0.85	<0.02
91-PMA-0352	Till Pulp	0.96	0.16	0.11	0.017	47	821	90	57	<20	119	386	80	38	21	16	4.4	99.93	0.21	<0.02
91-PMA-0353	Till Pulp	0.64	0.14	0.18	0.041	86	789	129	283	31	200	117	53	29	11	15	4.6	99.88	0.34	<0.02
91-PMA-0354	Till Pulp	0.91	0.29	0.11	0.024	48	1200	113	82	21	210	308	102	35	11	17	4.1	99.93	0.24	<0.02
91-PMA-0358	Till Pulp	0.90	0.23	0.11	0.024	44	757	80	88	<20	279	286	92	31	17	17	5.2	99.93	0.58	<0.02
91-PMA-0362	Till Pulp	0.85	0.27	0.12	0.027	59	867	76	117	23	313	115	44	22	11	19	6.2	99.90	0.85	<0.02
91-PMA-0364	Till Pulp	0.72	0.29	0.12	0.031	50	817	74	169	<20	375	137	46	22	7	18	7.4	99.91	1.10	<0.02
91-PMA-0365	Till Pulp	0.55	0.62	0.08	0.033	31	629	65	238	<20	466	116	<30	23	6	13	12.8	99.91	3.06	<0.02
91-GBC-9025	Till Pulp	0.91	0.16	0.07	0.019	70	602	89	44	<20	219	353	115	33	17	16	5.2	99.93	0.45	<0.02
91-PMA-0367	Till Pulp	0.79	0.20	0.10	0.018	42	1015	109	67	<20	258	235	80	26	15	15	7.9	99.91	1.39	<0.02
91-PMA-0370	Till Pulp	0.77	0.26	0.10	0.022	52	1329	182	88	21	207	220	75	29	12	16	7.4	99.92	1.19	<0.02

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
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Project: BG_RE_02
Report Date: December 19, 2019

CERTIFICATE OF ANALYSIS VAN19003743.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
91-PMA-0371	Till Pulp	2.56	80.25	10.27	144.5	311	85.2	22.5	901	4.03	15.0	0.6	0.9	4.6	84.0	1.15	1.22	0.15	83	2.70	0.139
91-PMA-0372	Till Pulp	0.56	68.62	3.33	35.9	58	26.9	11.5	432	3.10	8.0	0.4	3.0	1.7	41.4	0.12	0.48	0.07	103	0.63	0.104
91-PMA-0373	Till Pulp	0.55	77.82	4.30	41.7	52	27.5	10.0	420	3.19	9.2	0.6	7.0	2.2	60.5	0.14	0.65	0.11	95	0.67	0.102
91-PMA-0375	Till Pulp	6.74	100.12	8.55	132.0	405	95.2	25.7	945	4.34	17.6	1.0	2.2	3.6	138.8	1.32	1.86	0.15	103	3.65	0.113
91-PMA-0376	Till Pulp	5.19	95.89	8.33	131.3	410	87.4	22.7	877	4.56	20.0	0.8	6.0	4.0	140.4	1.37	1.98	0.15	105	3.76	0.116
91-PMA-0377	Till Pulp	13.55	107.24	20.14	317.5	692	93.4	22.6	642	4.08	23.9	1.2	5.2	6.5	99.0	2.08	3.92	0.32	47	7.59	0.202
91-PMA-0378	Till Pulp	3.31	64.33	8.77	128.0	403	58.0	13.0	731	3.33	18.2	0.7	4.6	5.7	46.5	1.10	1.91	0.15	64	0.77	0.142
91-GBC-9026	Till Pulp	14.56	241.10	38.26	60.7	184	14.1	6.5	273	3.33	109.4	2.8	6.4	14.1	10.5	0.14	0.62	48.90	39	0.13	0.072
91-PMA-0383	Till Pulp	0.94	49.82	10.72	94.3	139	50.9	16.5	617	3.67	6.1	1.2	1.0	11.2	49.5	0.26	0.51	0.23	67	0.72	0.094
91-GBC-9027	Till Pulp	0.71	68.13	9.81	78.6	91	36.6	15.6	330	3.84	7.0	0.7	5.5	9.0	26.3	0.11	0.32	0.22	50	0.25	0.063
91-PMA-0384	Till Pulp	0.91	53.30	10.75	95.4	138	49.8	16.1	565	3.70	5.8	1.2	0.8	11.3	50.9	0.28	0.51	0.23	67	0.71	0.096
91-PMA-0392	Till Pulp	1.00	36.58	24.71	77.1	12	56.5	17.4	639	3.30	14.8	3.2	1.2	9.4	19.3	0.19	0.89	0.53	53	0.34	0.053
91-PMA-0393	Till Pulp	0.86	30.77	18.24	76.1	9	51.5	17.0	618	3.11	15.7	2.8	0.5	9.7	19.6	0.19	0.78	0.62	51	0.36	0.049
91-PMA-0394	Till Pulp	0.90	34.01	13.81	80.4	127	55.3	14.3	554	3.13	8.3	1.4	1.7	8.9	63.9	0.39	0.50	0.34	47	2.22	0.077
91-PMA-0395	Till Pulp	1.07	27.22	15.54	77.1	93	33.3	11.0	546	2.69	5.9	1.8	0.7	9.4	91.9	0.27	0.40	0.39	35	3.48	0.073
91-PMA-0398	Till Pulp	1.01	51.31	13.59	93.7	28	47.7	16.4	491	4.16	1.8	2.3	11.6	18.9	18.5	0.14	0.12	0.39	39	0.27	0.069
91-PMA-0399	Till Pulp	1.22	36.85	11.09	75.1	42	40.9	15.5	438	3.34	2.6	1.3	0.7	14.6	115.4	0.13	0.18	0.37	39	2.35	0.077
91-PMA-0400	Till Pulp	0.57	41.24	9.43	74.8	69	49.2	19.4	699	3.61	5.1	0.8	1.3	8.2	130.3	0.17	0.30	0.28	63	3.85	0.062
91-PMA-0401	Till Pulp	0.49	39.24	9.20	65.8	63	48.2	18.0	663	3.50	5.3	0.7	0.6	7.9	121.9	0.19	0.33	0.28	59	3.70	0.064
91-PMA-0402	Till Pulp	0.45	36.55	13.36	77.8	29	41.6	16.1	526	3.52	1.9	1.4	10.4	14.4	19.9	0.11	0.16	0.34	37	0.30	0.065
91-PMA-0404	Till Pulp	0.42	37.84	10.97	89.8	13	44.8	16.8	540	4.19	1.4	2.0	1.1	15.5	17.7	0.10	0.13	0.59	52	0.18	0.044
91-PMA-0405	Till Pulp	0.56	152.97	6.29	120.4	130	41.1	27.1	1146	5.23	7.8	0.4	17.5	2.5	50.4	0.08	0.43	0.12	200	0.92	0.138
91-PMA-0407	Till Pulp	0.95	286.04	6.88	84.4	158	76.9	46.2	1236	6.83	16.8	0.7	8.9	1.6	71.5	0.09	0.22	0.05	229	1.35	0.210
91-PMA-0408	Till Pulp	0.88	129.25	75.52	151.3	181	47.3	29.8	1809	7.00	15.5	0.4	63.3	1.9	88.9	1.03	0.57	0.23	199	1.22	0.149
91-PMA-0410	Till Pulp	0.95	123.91	16.08	53.0	78	59.1	22.0	740	3.83	13.0	0.4	5.9	2.6	67.1	0.16	0.64	0.21	98	0.91	0.103
91-PMA-0411	Till Pulp	1.17	98.02	7.63	74.4	126	48.0	18.3	898	3.83	16.0	0.6	4.2	3.5	64.3	0.33	0.79	0.16	96	0.88	0.116
91-PMA-0412	Till Pulp	1.10	70.01	6.27	41.3	53	32.2	12.1	497	3.00	9.8	0.5	5.2	2.4	47.6	0.08	0.61	0.12	85	0.52	0.090
91-PMA-0419	Till Pulp	4.14	133.95	5.24	68.9	168	34.9	25.5	933	4.68	6.4	0.4	13.8	2.3	56.1	0.16	0.40	0.17	126	0.83	0.121
91-PMA-0420	Till Pulp	1.58	293.97	19.77	47.3	557	24.0	23.3	1574	4.45	3.6	0.6	47.7	2.4	77.9	0.15	0.68	1.50	104	0.93	0.187
91-PMA-0421	Till Pulp	0.83	117.61	5.16	68.9	124	33.6	24.6	1163	4.46	6.2	0.4	7.9	2.1	76.0	0.25	0.54	0.15	122	0.84	0.125

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Project: BG_RE_02
Report Date: December 19, 2019

CERTIFICATE OF ANALYSIS VAN19003743.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
91-PMA-0371	Till Pulp	16.5	72.9	1.16	276.5	0.095	<20	1.89	0.011	0.14	0.1	10.5	0.20	<0.02	139	0.9	0.06	5.4	1.35	<0.1	0.23
91-PMA-0372	Till Pulp	9.6	49.0	0.56	102.6	0.111	<20	1.34	0.020	0.08	0.2	6.2	0.07	<0.02	79	<0.1	0.03	4.2	0.66	<0.1	0.07
91-PMA-0373	Till Pulp	11.7	45.9	0.61	151.6	0.142	<20	1.91	0.020	0.09	0.2	8.3	0.07	<0.02	87	0.1	0.04	5.2	0.89	<0.1	0.16
91-PMA-0375	Till Pulp	10.8	83.0	1.90	225.3	0.153	<20	2.37	0.015	0.12	0.1	11.8	0.17	0.15	157	2.8	0.06	6.3	1.72	<0.1	0.18
91-PMA-0376	Till Pulp	14.3	90.6	1.80	204.3	0.164	<20	2.44	0.015	0.11	0.2	14.7	0.20	<0.02	179	2.3	0.08	7.1	1.60	<0.1	0.19
91-PMA-0377	Till Pulp	15.2	42.6	1.05	162.2	0.035	<20	1.33	0.007	0.10	0.2	3.9	0.47	<0.02	329	1.8	0.16	3.5	0.48	<0.1	0.04
91-PMA-0378	Till Pulp	23.4	49.5	0.64	201.2	0.098	<20	1.31	0.015	0.10	0.2	7.9	0.16	<0.02	100	1.2	0.07	4.0	0.76	<0.1	0.24
91-GBC-9026	Till Pulp	32.4	22.9	0.51	73.2	0.124	<20	2.02	0.029	0.30	>100	4.9	0.43	0.06	5	0.5	0.19	6.2	8.61	<0.1	0.10
91-PMA-0383	Till Pulp	31.4	59.3	1.09	270.8	0.193	<20	2.30	0.035	0.58	0.3	8.3	0.34	<0.02	56	<0.1	0.03	8.6	2.40	<0.1	0.08
91-GBC-9027	Till Pulp	31.5	45.5	0.89	53.7	0.069	<20	2.19	0.009	0.11	0.2	5.0	0.12	<0.02	53	0.2	0.06	5.4	1.09	<0.1	<0.02
91-PMA-0384	Till Pulp	32.7	62.2	1.09	293.4	0.200	<20	2.36	0.034	0.59	0.9	8.0	0.35	<0.02	55	<0.1	0.04	8.5	2.43	<0.1	0.10
91-PMA-0392	Till Pulp	31.5	60.6	0.93	194.4	0.103	<20	1.92	0.008	0.18	0.2	6.9	0.23	<0.02	51	0.1	0.03	5.5	3.19	<0.1	0.02
91-PMA-0393	Till Pulp	31.3	62.4	0.89	171.1	0.100	<20	1.81	0.009	0.16	0.2	6.1	0.21	<0.02	42	<0.1	0.04	5.2	3.05	<0.1	<0.02
91-PMA-0394	Till Pulp	26.1	51.0	1.06	344.1	0.094	<20	1.71	0.012	0.31	0.1	5.5	0.20	<0.02	60	<0.1	0.03	5.1	2.50	<0.1	0.13
91-PMA-0395	Till Pulp	26.0	33.2	1.04	199.1	0.062	<20	1.60	0.013	0.34	0.1	4.7	0.22	<0.02	55	<0.1	0.02	5.3	2.45	<0.1	0.11
91-PMA-0398	Till Pulp	43.3	42.6	1.19	139.8	0.141	<20	2.31	0.010	0.78	0.1	5.1	0.46	<0.02	31	<0.1	0.05	6.9	5.35	<0.1	0.04
91-PMA-0399	Till Pulp	40.0	42.3	1.00	110.6	0.113	<20	1.93	0.015	0.62	0.3	4.7	0.35	<0.02	22	<0.1	0.04	6.3	5.00	<0.1	0.06
91-PMA-0400	Till Pulp	22.6	51.0	1.19	330.1	0.182	<20	2.13	0.019	0.38	0.3	6.9	0.22	<0.02	28	<0.1	0.03	6.3	3.32	<0.1	0.11
91-PMA-0401	Till Pulp	22.1	46.9	1.15	329.5	0.168	<20	2.01	0.019	0.37	0.3	6.6	0.22	<0.02	27	<0.1	<0.02	6.1	3.17	<0.1	0.10
91-PMA-0402	Till Pulp	34.2	36.3	0.95	115.9	0.121	<20	1.95	0.009	0.52	0.6	4.5	0.33	<0.02	23	<0.1	0.03	5.5	3.75	<0.1	0.07
91-PMA-0404	Till Pulp	35.9	49.3	1.26	180.9	0.155	<20	2.96	0.011	0.93	2.4	6.9	0.50	<0.02	23	<0.1	0.03	8.6	9.09	<0.1	0.06
91-PMA-0405	Till Pulp	9.5	87.1	1.89	124.5	0.221	<20	2.84	0.020	0.84	0.2	9.9	0.30	<0.02	71	<0.1	0.10	10.4	5.62	0.2	0.05
91-PMA-0407	Till Pulp	7.4	169.1	3.05	391.5	0.351	<20	4.07	0.020	0.94	0.2	8.1	0.31	0.03	65	0.3	0.08	12.7	4.59	0.2	0.08
91-PMA-0408	Till Pulp	7.5	91.4	2.56	190.6	0.224	<20	3.74	0.032	1.18	0.2	13.7	0.52	<0.02	97	<0.1	0.17	12.8	11.25	0.2	0.10
91-PMA-0410	Till Pulp	11.7	100.7	1.24	190.1	0.142	<20	1.95	0.031	0.31	0.2	8.6	0.13	<0.02	70	<0.1	0.05	5.7	1.83	<0.1	0.12
91-PMA-0411	Till Pulp	14.0	57.3	0.95	190.9	0.139	<20	1.87	0.032	0.17	0.2	9.4	0.10	<0.02	111	<0.1	0.07	6.0	1.28	<0.1	0.21
91-PMA-0412	Till Pulp	9.9	51.3	0.75	97.9	0.131	<20	1.74	0.016	0.10	0.2	5.4	0.09	<0.02	43	0.2	0.04	4.9	1.01	<0.1	0.04
91-PMA-0419	Till Pulp	9.4	70.8	1.64	92.4	0.167	<20	2.49	0.011	0.25	0.3	10.7	0.12	<0.02	69	<0.1	0.07	7.1	3.28	0.1	0.09
91-PMA-0420	Till Pulp	13.4	66.9	1.31	133.6	0.134	<20	1.81	0.009	0.23	0.4	11.9	0.08	<0.02	46	<0.1	0.32	5.4	2.94	<0.1	<0.02
91-PMA-0421	Till Pulp	9.5	71.0	1.65	132.6	0.158	<20	2.41	0.013	0.28	0.2	10.9	0.10	<0.02	52	<0.1	0.05	6.8	2.60	<0.1	0.12

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Project: BG_RE_02
Report Date: December 19, 2019

CERTIFICATE OF ANALYSIS VAN19003743.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%	%	%	%	%	%
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01
91-PMA-0371	Till Pulp	0.06	8.5	0.2	<0.05	10.1	13.65	33.7	0.03	2	0.6	15.1	<10	2	60.41	12.42	6.94	2.89	5.05	1.37	1.79
91-PMA-0372	Till Pulp	0.20	5.7	0.2	<0.05	3.7	8.28	19.8	<0.02	<1	0.4	6.8	<10	3	64.61	13.25	6.42	2.07	3.82	2.89	1.92
91-PMA-0373	Till Pulp	0.12	6.4	0.3	<0.05	5.0	10.50	20.7	<0.02	<1	0.4	7.6	<10	<2	65.35	13.59	6.04	1.93	3.17	2.87	1.94
91-PMA-0375	Till Pulp	0.04	7.2	0.4	<0.05	6.1	11.83	22.5	0.04	9	0.5	14.6	<10	3	55.65	12.70	7.49	4.31	6.53	1.41	1.55
91-PMA-0376	Till Pulp	0.04	6.9	0.3	<0.05	6.8	12.93	28.3	0.04	1	0.5	15.0	<10	5	56.29	12.35	7.64	4.03	6.69	1.49	1.43
91-PMA-0377	Till Pulp	0.05	5.0	<0.1	<0.05	2.8	10.48	28.6	0.05	2	0.4	14.4	<10	4	48.53	12.57	6.99	2.75	11.51	1.19	2.48
91-PMA-0378	Till Pulp	0.06	7.4	0.2	<0.05	6.4	11.87	41.6	0.03	<1	0.4	8.9	<10	<2	69.19	11.29	6.00	1.91	2.71	1.89	1.68
91-GBC-9026	Till Pulp	1.49	37.7	6.1	<0.05	4.0	9.40	61.4	0.36	<1	1.0	19.9	<10	2	64.38	14.60	5.73	1.27	1.27	2.44	3.21
91-PMA-0383	Till Pulp	0.22	53.2	0.5	<0.05	2.9	12.17	62.1	0.03	<1	0.6	20.4	<10	<2	61.47	15.52	6.80	2.79	2.80	1.99	2.84
91-GBC-9027	Till Pulp	0.26	12.2	<0.1	<0.05	0.8	6.11	69.8	0.03	<1	0.5	30.1	<10	<2	62.20	16.39	6.72	2.15	1.27	1.70	2.90
91-PMA-0384	Till Pulp	0.28	55.1	0.6	<0.05	3.1	12.46	59.7	0.04	<1	0.5	21.6	<10	<2	61.30	15.62	6.92	2.80	2.76	1.98	2.83
91-PMA-0392	Till Pulp	0.23	22.2	3.8	<0.05	1.1	9.05	60.8	0.02	<1	0.7	25.1	<10	<2	63.66	15.63	5.93	2.58	1.22	1.55	2.92
91-PMA-0393	Till Pulp	0.16	20.4	1.1	<0.05	1.0	9.46	66.0	0.02	<1	0.9	24.8	<10	2	64.55	15.18	5.68	2.50	1.24	1.59	2.90
91-PMA-0394	Till Pulp	0.10	26.0	0.9	<0.05	3.6	10.27	49.6	0.02	<1	0.5	25.6	<10	<2	60.85	14.53	5.65	2.58	4.05	1.50	2.88
91-PMA-0395	Till Pulp	0.11	29.6	2.8	<0.05	4.1	10.12	49.1	0.03	<1	0.7	26.5	<10	<2	59.17	14.58	4.58	2.19	5.50	1.66	3.18
91-PMA-0398	Till Pulp	0.09	67.6	1.5	<0.05	1.5	13.57	74.1	0.03	<1	0.6	36.7	<10	<2	59.22	18.30	7.11	2.60	0.78	1.14	4.52
91-PMA-0399	Till Pulp	0.13	52.7	2.0	<0.05	1.8	12.42	77.4	0.04	<1	0.5	41.5	<10	<2	58.49	16.65	5.92	2.19	4.10	1.57	3.71
91-PMA-0400	Till Pulp	0.08	33.9	0.5	<0.05	3.7	10.29	46.8	0.03	<1	0.4	28.4	<10	<2	56.28	13.37	6.88	3.14	7.05	1.55	2.36
91-PMA-0401	Till Pulp	0.09	32.6	0.7	<0.05	3.3	9.76	43.8	0.02	<1	0.5	28.5	<10	<2	56.32	13.25	6.89	3.13	7.02	1.50	2.29
91-PMA-0402	Till Pulp	0.22	50.6	0.3	<0.05	2.5	9.75	67.5	0.02	<1	0.5	33.2	<10	<2	62.07	17.09	6.46	2.27	1.14	1.44	3.94
91-PMA-0404	Till Pulp	0.23	80.9	0.9	<0.05	2.2	11.38	72.6	0.02	<1	0.8	62.9	<10	<2	59.39	18.12	7.19	2.64	0.92	1.38	3.95
91-PMA-0405	Till Pulp	0.04	68.0	0.2	<0.05	1.6	9.89	17.6	0.03	<1	0.5	19.1	<10	3	56.26	13.61	9.43	4.35	3.58	2.43	2.80
91-PMA-0407	Till Pulp	0.06	52.9	0.7	<0.05	2.5	8.55	14.4	0.02	<1	0.5	35.9	19	6	45.37	14.77	11.96	7.22	5.26	2.11	1.82
91-PMA-0408	Till Pulp	<0.02	98.4	3.2	<0.05	4.7	9.21	14.0	0.04	<1	0.4	29.3	14	3	53.30	13.50	11.40	5.12	3.38	1.75	2.52
91-PMA-0410	Till Pulp	0.06	21.6	0.6	<0.05	5.4	10.30	21.0	<0.02	<1	0.4	12.5	<10	5	62.03	12.39	7.58	3.66	3.77	2.51	1.75
91-PMA-0411	Till Pulp	0.05	10.6	0.5	<0.05	7.0	10.61	27.4	0.03	<1	0.5	11.3	<10	<2	63.21	13.27	6.98	2.54	3.33	2.62	1.89
91-PMA-0412	Till Pulp	0.24	10.0	<0.1	<0.05	2.1	6.52	22.6	0.02	<1	0.4	8.8	<10	2	66.88	12.72	5.72	2.28	2.94	2.72	1.71
91-PMA-0419	Till Pulp	0.08	18.9	<0.1	<0.05	3.7	9.50	19.8	0.03	<1	0.3	21.4	<10	4	56.00	14.48	9.39	4.50	4.32	2.41	1.75
91-PMA-0420	Till Pulp	0.09	15.1	<0.1	<0.05	0.9	20.66	23.3	0.03	<1	0.4	11.5	12	4	55.48	13.86	9.71	4.54	5.03	2.44	2.37
91-PMA-0421	Till Pulp	0.04	18.4	<0.1	<0.05	3.8	9.52	19.4	0.03	<1	0.4	17.7	<10	3	56.47	14.52	8.97	4.46	4.22	2.40	1.94

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_02
Report Date: December 19, 2019

CERTIFICATE OF ANALYSIS VAN19003743.1

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
	Analyte	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
	Unit	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	MDL	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3	5	1	-5.1	0.01	0.02	0.02
91-PMA-0371	Till Pulp	0.85	0.31	0.12	0.027	76	1190	181	96	24	198	180	46	29	9	20	7.5	99.91	0.89	<0.02
91-PMA-0372	Till Pulp	0.80	0.27	0.10	0.024	67	962	65	43	<20	458	179	36	20	8	17	3.5	99.93	0.29	<0.02
91-PMA-0373	Till Pulp	0.75	0.26	0.09	0.020	85	997	58	44	<20	434	145	34	20	11	17	3.7	99.93	0.20	<0.02
91-PMA-0375	Till Pulp	0.83	0.26	0.14	0.031	104	1013	156	114	26	262	154	<30	26	10	22	8.8	99.88	1.60	0.15
91-PMA-0376	Till Pulp	0.84	0.25	0.13	0.033	97	899	156	103	20	262	154	41	25	12	23	8.5	99.89	1.12	<0.02
91-PMA-0377	Till Pulp	0.78	0.49	0.10	0.025	111	1336	384	110	21	177	235	87	41	15	15	12.2	99.89	2.52	<0.02
91-PMA-0378	Till Pulp	0.82	0.32	0.11	0.026	63	1194	141	72	<20	259	254	65	33	14	16	3.7	99.93	0.21	<0.02
91-GBC-9026	Till Pulp	0.81	0.20	0.06	0.008	249	376	73	30	<20	119	396	78	32	16	10	5.8	99.93	1.00	0.04
91-PMA-0383	Till Pulp	0.93	0.25	0.11	0.020	51	1127	112	71	<20	269	306	115	33	19	17	4.2	99.91	0.20	<0.02
91-GBC-9027	Till Pulp	0.91	0.16	0.07	0.018	72	610	93	57	<20	220	363	109	32	19	16	5.3	99.94	0.43	<0.02
91-PMA-0384	Till Pulp	0.94	0.24	0.11	0.020	57	1125	126	71	<20	268	283	118	33	22	17	4.2	99.92	0.21	<0.02
91-PMA-0392	Till Pulp	0.83	0.13	0.10	0.023	38	1079	92	89	20	124	239	86	28	19	17	5.1	99.92	0.36	<0.02
91-PMA-0393	Till Pulp	0.85	0.14	0.10	0.023	32	1071	88	83	<20	125	248	84	30	22	16	5.0	99.93	0.32	<0.02
91-PMA-0394	Till Pulp	0.72	0.18	0.09	0.019	37	1103	103	79	<20	186	202	80	25	16	14	6.7	99.92	0.88	<0.02
91-PMA-0395	Till Pulp	0.58	0.17	0.08	0.013	28	713	107	48	<20	192	214	62	26	24	11	8.1	99.94	1.36	<0.02
91-PMA-0398	Till Pulp	0.99	0.15	0.08	0.018	51	956	105	65	<20	123	405	104	38	24	17	4.8	99.91	0.16	<0.02
91-PMA-0399	Till Pulp	0.80	0.18	0.08	0.017	39	747	84	52	<20	261	408	124	38	31	16	6.0	99.93	0.85	<0.02
91-PMA-0400	Till Pulp	0.83	0.15	0.12	0.020	43	1086	91	70	<20	234	240	62	30	15	18	8.0	99.92	1.22	<0.02
91-PMA-0401	Till Pulp	0.82	0.15	0.12	0.019	43	1080	98	66	20	229	233	64	30	14	18	8.2	99.91	1.25	<0.02
91-PMA-0402	Till Pulp	0.89	0.15	0.09	0.018	39	854	90	57	<20	153	432	96	37	20	16	4.2	99.93	0.22	<0.02
91-PMA-0404	Till Pulp	0.88	0.11	0.10	0.017	42	736	109	57	<20	129	358	95	36	21	16	5.0	99.92	0.27	<0.02
91-PMA-0405	Till Pulp	0.79	0.32	0.17	0.022	149	956	141	53	29	366	84	<30	17	8	21	5.9	99.87	0.32	<0.02
91-PMA-0407	Till Pulp	1.02	0.47	0.20	0.033	294	819	104	83	41	552	57	<30	15	<5	20	9.4	99.82	0.29	0.04
91-PMA-0408	Till Pulp	0.73	0.34	0.24	0.022	131	759	160	65	29	339	78	<30	17	6	22	7.4	99.86	0.20	<0.02
91-PMA-0410	Till Pulp	0.71	0.27	0.14	0.030	122	861	77	76	24	366	118	<30	20	9	19	4.9	99.90	0.27	<0.02
91-PMA-0411	Till Pulp	0.72	0.28	0.14	0.021	94	931	89	264	21	361	135	36	19	8	17	4.7	99.93	0.19	<0.02
91-PMA-0412	Till Pulp	0.72	0.21	0.10	0.019	72	838	52	47	<20	377	133	30	16	9	14	3.7	99.93	0.34	<0.02
91-PMA-0419	Till Pulp	0.90	0.29	0.16	0.019	139	635	97	45	25	350	116	<30	21	6	28	5.5	99.88	0.26	<0.02
91-PMA-0420	Till Pulp	0.83	0.48	0.26	0.017	317	691	75	40	28	444	108	33	30	<5	30	4.7	99.88	0.25	<0.02
91-PMA-0421	Till Pulp	0.84	0.34	0.19	0.020	127	719	90	56	38	378	99	47	20	8	27	5.3	99.88	0.16	<0.02

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_02
Report Date: December 19, 2019

CERTIFICATE OF ANALYSIS VAN19003743.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
91-GBC-9028	Till Pulp	0.76	69.97	10.23	79.4	91	39.6	15.2	344	3.81	7.4	0.8	6.9	8.9	27.3	0.09	0.30	0.23	50	0.24	0.064
91-PMA-0422	Till Pulp	2.32	372.73	4.80	112.2	281	27.3	45.5	2674	7.98	7.6	0.5	173.5	2.3	74.5	0.19	1.73	0.45	235	1.10	0.253
91-PMA-0423	Till Pulp	1.26	133.84	2.84	88.1	168	22.0	29.5	1137	5.04	3.1	0.7	12.9	1.7	82.5	0.08	0.20	0.08	205	1.33	0.265
91-PMA-0424	Till Pulp	0.91	96.68	4.74	46.5	16	18.7	13.3	617	3.02	3.2	1.5	9.2	5.3	59.1	0.07	0.36	0.10	76	0.66	0.150
91-PMA-0425	Till Pulp	1.28	91.62	8.37	38.4	123	11.2	10.9	683	2.91	3.9	0.9	19.4	3.4	53.7	0.09	0.39	0.25	63	0.62	0.161
91-PMA-0429	Till Pulp	2.21	203.59	6.98	58.9	354	25.2	28.5	1242	4.59	7.9	0.5	35.2	2.5	134.7	0.29	1.12	0.29	93	5.01	0.141
91-PMA-0430	Till Pulp	1.04	152.03	5.86	66.1	210	25.5	23.7	1117	4.24	4.5	0.5	26.4	3.0	91.5	0.21	0.64	0.17	112	1.61	0.175
91-GBC-9029	Till Pulp	0.78	72.52	10.53	77.9	108	42.2	15.2	350	3.74	7.4	0.8	25.8	9.3	26.2	0.11	0.39	0.26	48	0.23	0.066
91-GBC-9030	Till Pulp	1.02	84.37	5.79	68.7	80	90.8	19.7	804	3.80	9.3	0.5	6.7	2.6	62.2	0.14	0.75	0.10	88	0.90	0.084
92-PMA-0002	Till Pulp	1.34	55.53	13.08	102.1	167	64.0	16.0	602	3.69	7.9	0.7	1.6	3.0	66.4	0.36	0.54	0.15	68	0.92	0.075
92-PMA-0005	Till Pulp	1.62	63.29	8.11	79.6	109	164.5	19.9	683	3.43	6.6	0.5	5.9	2.8	91.4	0.42	0.38	0.12	64	2.17	0.083
92-PMA-0006	Till Pulp	0.99	57.12	9.51	84.7	100	323.6	27.9	690	4.03	7.2	0.6	1.8	2.7	49.5	0.22	0.43	0.11	70	0.93	0.084
92-PMA-0007	Till Pulp	0.71	46.73	5.32	67.0	112	742.5	44.1	757	4.16	5.5	0.4	1.0	2.2	26.7	0.20	0.27	0.09	57	0.52	0.063
92-PMA-0008	Till Pulp	0.60	39.95	4.58	62.0	93	978.5	53.9	774	4.25	4.1	0.4	1.3	1.9	21.5	0.18	0.27	0.08	53	0.47	0.053
92-PMA-0009	Till Pulp	0.80	51.53	6.76	65.7	110	986.1	71.7	1029	4.34	4.9	0.4	1.6	1.9	22.4	0.26	0.36	0.08	51	0.53	0.055
92-PMA-0010	Till Pulp	1.05	44.06	6.56	97.3	106	595.6	41.1	672	3.71	6.7	0.4	1.5	2.1	81.2	0.73	0.67	0.09	56	2.58	0.061
92-PMA-0011	Till Pulp	1.29	53.75	7.05	107.1	115	241.2	21.9	692	3.52	7.7	0.5	5.1	2.3	148.7	0.76	0.67	0.10	70	4.36	0.071
92-PMA-0014	Till Pulp	0.74	54.96	7.34	43.0	94	53.4	11.6	495	2.96	12.0	0.5	4.3	2.7	37.5	0.13	1.00	0.11	73	0.68	0.071
92-PMA-0041	Till Pulp	1.00	83.22	5.51	67.8	78	89.1	18.9	840	3.85	9.0	0.5	2.8	2.5	61.6	0.13	0.52	0.09	91	0.91	0.081
92-PMA-0042	Till Pulp	0.43	45.53	3.43	31.5	41	42.9	12.0	396	2.83	5.7	0.5	1.8	1.8	68.6	0.10	0.32	0.04	81	2.36	0.089
92-GBC-9031	Till Pulp	0.77	71.02	10.36	81.4	96	38.5	15.4	359	3.98	7.1	0.8	4.8	9.3	27.2	0.11	0.28	0.25	52	0.26	0.061
92-PMA-0046	Till Pulp	0.59	81.68	5.74	40.9	109	20.2	12.3	659	3.54	3.9	0.6	5.6	2.7	102.3	0.10	0.18	0.08	123	1.11	0.157
92-PMA-0047	Till Pulp	0.71	75.41	6.65	37.6	15	28.3	12.6	663	3.41	4.2	1.0	4.5	3.2	87.3	0.07	0.26	0.07	107	0.91	0.129
92-PMA-0048	Till Pulp	0.60	75.30	6.84	39.3	16	29.2	13.3	596	3.42	4.1	0.9	5.4	3.0	87.8	0.06	0.28	0.07	115	0.92	0.120
92-PMA-0054	Till Pulp	0.49	106.76	7.09	54.7	78	20.2	16.0	804	3.99	13.2	0.7	4.1	3.5	77.3	0.11	0.50	0.09	130	1.04	0.125
92-PMA-0055	Till Pulp	0.48	97.31	5.33	52.7	70	19.1	12.8	758	3.76	11.3	0.7	9.4	3.1	70.2	0.07	0.54	0.08	120	0.93	0.116
92-GBC-9032	Till Pulp	0.42	50.62	2.88	27.2	16	19.8	9.4	408	2.88	6.4	0.5	3.3	1.6	58.8	0.07	0.45	0.03	88	0.74	0.111
92-PMA-0056	Till Pulp	0.36	71.27	5.51	79.3	46	66.5	31.0	1916	5.48	13.1	0.4	3.1	2.1	42.9	0.37	0.33	0.05	172	2.71	0.094
92-PMA-0057	Till Pulp	0.62	74.22	4.60	51.6	26	39.0	20.6	1027	4.34	11.0	0.5	5.5	2.3	56.9	0.14	0.57	0.05	136	0.81	0.085
92-PMA-0059	Till Pulp	0.49	54.23	3.45	32.4	18	22.2	10.1	437	3.07	6.8	0.5	13.0	1.8	69.7	0.10	0.40	0.05	94	0.81	0.121

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	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
91-GBC-9028	Till Pulp	31.3	49.1	0.88	56.6	0.070	<20	2.14	0.008	0.11	<0.1	4.9	0.12	<0.02	49	0.2	0.07	5.7	1.08	<0.1	<0.02
91-PMA-0422	Till Pulp	16.5	42.1	1.76	110.3	0.058	<20	2.79	0.006	0.55	0.3	32.0	0.21	<0.02	100	<0.1	0.40	8.7	15.56	<0.1	0.05
91-PMA-0423	Till Pulp	8.1	28.3	2.38	66.1	0.225	<20	2.86	0.008	0.71	0.2	6.3	0.13	<0.02	53	<0.1	0.05	7.6	3.69	0.1	<0.02
91-PMA-0424	Till Pulp	16.1	31.8	0.83	96.3	0.137	<20	1.45	0.013	0.17	0.3	5.3	0.06	<0.02	49	<0.1	0.04	4.6	1.02	<0.1	0.03
91-PMA-0425	Till Pulp	12.9	18.9	0.41	65.3	0.089	<20	0.92	0.009	0.15	0.4	4.6	0.04	<0.02	62	<0.1	0.14	3.7	0.93	<0.1	0.14
91-PMA-0429	Till Pulp	9.9	47.0	1.29	148.7	0.098	<20	1.79	0.010	0.28	0.4	10.7	0.08	<0.02	71	0.1	0.15	5.5	4.03	<0.1	0.10
91-PMA-0430	Till Pulp	10.5	54.4	1.34	156.4	0.153	<20	2.03	0.012	0.41	0.4	8.5	0.09	<0.02	46	<0.1	0.12	6.3	2.01	0.1	0.10
91-GBC-9029	Till Pulp	31.2	45.3	0.85	56.3	0.072	<20	2.04	0.006	0.11	0.1	4.9	0.12	<0.02	42	0.1	0.08	5.6	1.13	<0.1	0.03
91-GBC-9030	Till Pulp	10.5	103.7	1.51	165.5	0.123	<20	2.10	0.031	0.11	<0.1	9.7	0.09	<0.02	110	<0.1	0.05	6.2	0.97	<0.1	0.13
92-PMA-0002	Till Pulp	13.2	53.6	1.09	271.7	0.065	<20	1.99	0.025	0.16	<0.1	9.3	0.13	<0.02	90	0.7	0.04	5.8	1.58	<0.1	0.16
92-PMA-0005	Till Pulp	14.3	146.6	2.06	274.5	0.185	<20	1.65	0.024	0.12	<0.1	7.5	0.11	<0.02	176	<0.1	0.04	5.1	0.92	<0.1	0.28
92-PMA-0006	Till Pulp	13.0	187.4	2.91	217.1	0.197	<20	1.97	0.022	0.11	<0.1	8.5	0.12	<0.02	210	<0.1	0.03	6.0	1.10	<0.1	0.25
92-PMA-0007	Till Pulp	10.5	246.0	6.51	172.5	0.097	<20	1.66	0.017	0.10	<0.1	8.4	0.10	<0.02	232	<0.1	<0.02	4.6	1.00	<0.1	0.15
92-PMA-0008	Till Pulp	8.0	339.9	9.03	125.5	0.081	<20	1.45	0.015	0.09	<0.1	9.0	0.09	<0.02	320	<0.1	<0.02	4.0	0.99	<0.1	0.12
92-PMA-0009	Till Pulp	8.7	338.0	8.51	143.0	0.090	21	1.46	0.014	0.09	0.1	9.0	0.12	<0.02	237	0.2	0.02	4.1	0.97	<0.1	0.11
92-PMA-0010	Till Pulp	9.5	208.5	5.82	265.9	0.084	<20	1.49	0.021	0.11	<0.1	7.9	0.18	<0.02	168	<0.1	0.02	4.2	1.11	<0.1	0.11
92-PMA-0011	Till Pulp	10.7	125.9	2.42	327.0	0.086	<20	1.63	0.020	0.11	<0.1	8.9	0.25	0.02	290	0.3	0.04	4.8	1.15	<0.1	0.16
92-PMA-0014	Till Pulp	11.7	71.5	0.66	143.1	0.128	<20	1.31	0.015	0.05	<0.1	9.2	0.06	<0.02	67	0.3	0.08	3.5	0.51	<0.1	0.12
92-PMA-0041	Till Pulp	10.2	100.3	1.56	159.9	0.116	<20	2.19	0.033	0.11	<0.1	9.3	0.09	<0.02	111	<0.1	0.04	5.9	0.88	<0.1	0.13
92-PMA-0042	Till Pulp	8.0	71.5	0.77	102.9	0.108	<20	1.04	0.042	0.07	<0.1	5.7	0.07	<0.02	53	<0.1	<0.02	3.1	0.48	<0.1	0.12
92-GBC-9031	Till Pulp	30.2	46.2	0.93	55.3	0.071	<20	2.24	0.010	0.11	<0.1	5.1	0.12	<0.02	58	0.2	0.07	5.6	1.05	<0.1	0.03
92-PMA-0046	Till Pulp	10.2	45.3	0.73	106.9	0.119	<20	1.43	0.057	0.17	0.1	6.8	0.06	<0.02	28	<0.1	0.04	5.2	0.96	<0.1	0.15
92-PMA-0047	Till Pulp	10.8	51.5	0.80	130.2	0.138	<20	1.65	0.045	0.14	0.2	6.9	0.06	<0.02	79	<0.1	0.02	5.8	0.92	<0.1	0.18
92-PMA-0048	Till Pulp	10.3	50.0	0.82	127.0	0.135	<20	1.70	0.045	0.15	0.2	7.7	0.06	<0.02	65	<0.1	0.03	5.5	0.94	<0.1	0.14
92-PMA-0054	Till Pulp	11.2	32.2	0.76	151.8	0.124	<20	2.16	0.038	0.20	<0.1	10.1	0.06	<0.02	103	<0.1	0.03	7.6	1.12	0.1	0.14
92-PMA-0055	Till Pulp	10.2	27.8	0.70	141.7	0.119	<20	1.97	0.035	0.18	<0.1	8.8	0.05	<0.02	91	<0.1	0.02	6.2	1.03	<0.1	0.15
92-GBC-9032	Till Pulp	7.2	41.9	0.53	66.9	0.108	<20	1.45	0.032	0.06	0.2	6.6	0.03	<0.02	76	<0.1	<0.02	3.6	0.43	<0.1	0.15
92-PMA-0056	Till Pulp	10.8	93.5	1.53	261.8	0.017	<20	2.52	0.015	0.14	<0.1	31.6	0.06	<0.02	77	<0.1	0.02	7.0	1.35	<0.1	0.07
92-PMA-0057	Till Pulp	10.8	60.9	0.91	266.5	0.103	<20	1.98	0.024	0.09	<0.1	14.8	0.05	<0.02	447	<0.1	0.02	5.5	0.80	<0.1	0.13
92-PMA-0059	Till Pulp	7.8	48.3	0.56	76.1	0.124	<20	1.55	0.036	0.07	0.2	7.4	0.04	<0.02	91	<0.1	0.03	4.3	0.46	<0.1	0.17

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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Project: BG_RE_02
Report Date: December 19, 2019

CERTIFICATE OF ANALYSIS VAN19003743.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%	%	%	%	%	%
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01
91-GBC-9028	Till Pulp	0.23	12.6	<0.1	<0.05	1.0	6.45	69.2	<0.02	<1	0.4	32.0	<10	<2	62.15	16.32	6.68	2.15	1.27	1.66	2.83
91-PMA-0422	Till Pulp	<0.02	36.7	<0.1	<0.05	1.7	29.35	38.5	0.06	<1	1.0	14.0	21	5	46.02	14.91	15.23	4.08	3.42	1.26	2.17
91-PMA-0423	Till Pulp	0.04	65.1	<0.1	<0.05	0.4	11.75	19.9	<0.02	<1	0.4	22.3	11	<2	50.69	12.29	10.82	6.06	5.71	1.38	2.11
91-PMA-0424	Till Pulp	0.17	17.0	0.5	<0.05	1.1	8.71	28.8	<0.02	<1	0.5	9.4	<10	3	63.43	13.07	7.01	2.97	4.28	2.62	2.11
91-PMA-0425	Till Pulp	0.17	12.6	0.4	<0.05	3.4	12.36	23.6	0.02	<1	0.4	5.2	<10	<2	67.27	13.31	5.66	1.19	2.63	3.38	3.19
91-PMA-0429	Till Pulp	<0.02	20.6	1.6	<0.05	3.1	11.18	20.0	0.02	<1	0.5	14.1	12	3	48.34	13.53	9.22	3.51	9.36	2.03	2.47
91-PMA-0430	Till Pulp	0.07	27.5	0.2	<0.05	4.3	10.86	22.8	<0.02	<1	0.5	13.4	<10	3	55.48	13.72	9.20	4.11	5.55	2.26	2.46
91-GBC-9029	Till Pulp	0.30	13.0	<0.1	<0.05	1.2	6.41	72.0	<0.02	<1	0.5	32.0	<10	<2	62.40	16.23	6.68	2.14	1.26	1.67	2.85
91-GBC-9030	Till Pulp	0.11	6.7	0.6	<0.05	5.0	10.43	20.5	0.05	<1	0.5	14.9	<10	<2	59.74	14.32	7.02	3.97	3.25	2.50	1.70
92-PMA-0002	Till Pulp	0.05	8.5	43.9	<0.05	6.5	11.29	26.4	0.09	2	0.6	15.6	<10	<2	62.70	14.44	6.26	2.41	2.16	2.21	1.76
92-PMA-0005	Till Pulp	0.09	6.7	3.2	<0.05	9.6	10.37	31.8	0.05	4	0.4	11.7	<10	3	61.84	11.30	6.12	4.49	4.15	2.08	1.43
92-PMA-0006	Till Pulp	0.09	6.9	5.4	<0.05	9.6	10.88	27.5	0.04	1	0.5	12.9	<10	3	60.64	11.85	7.06	5.80	2.50	1.97	1.41
92-PMA-0007	Till Pulp	0.06	6.1	0.7	<0.05	4.9	8.98	20.7	0.03	<1	0.3	10.7	<10	<2	55.46	9.77	7.17	12.39	1.50	1.42	1.21
92-PMA-0008	Till Pulp	0.03	5.2	1.0	<0.05	4.6	6.85	15.7	<0.02	<1	0.2	9.3	<10	<2	51.82	8.20	7.33	16.69	1.34	1.17	1.03
92-PMA-0009	Till Pulp	0.04	5.9	2.2	<0.05	4.1	7.68	18.8	0.03	<1	0.4	10.4	<10	5	52.27	8.21	7.41	15.99	1.48	1.19	1.02
92-PMA-0010	Till Pulp	0.03	6.6	1.4	<0.05	5.0	8.32	20.1	0.03	1	0.3	12.3	<10	<2	53.46	9.43	6.43	11.25	4.49	1.50	1.24
92-PMA-0011	Till Pulp	0.06	6.0	4.2	<0.05	5.9	9.68	20.6	0.03	1	0.5	13.6	<10	<2	54.53	11.09	6.22	5.07	7.13	1.79	1.41
92-PMA-0014	Till Pulp	0.17	3.1	3.4	<0.05	6.8	9.54	19.4	0.02	<1	0.3	6.1	<10	<2	65.75	12.74	6.11	2.42	3.65	2.73	1.60
92-PMA-0041	Till Pulp	0.06	6.4	0.7	<0.05	5.2	10.07	19.8	0.02	<1	0.4	13.3	<10	3	59.48	14.39	7.02	3.99	3.27	2.52	1.74
92-PMA-0042	Till Pulp	0.05	3.3	0.6	<0.05	3.8	7.10	15.7	<0.02	<1	0.2	5.1	<10	<2	62.97	11.68	6.03	2.62	6.39	2.94	1.64
92-GBC-9031	Till Pulp	0.18	13.1	0.1	<0.05	1.0	6.05	69.3	0.02	<1	0.5	33.5	<10	<2	62.87	16.16	6.74	2.13	1.27	1.68	2.82
92-PMA-0046	Till Pulp	0.02	10.1	2.5	<0.05	4.7	8.26	18.2	0.03	<1	0.6	9.5	<10	2	57.57	14.92	7.93	3.26	5.76	3.47	2.84
92-PMA-0047	Till Pulp	0.09	8.4	5.3	<0.05	5.5	8.74	19.0	0.03	<1	0.6	9.3	<10	<2	59.98	15.01	6.89	2.75	4.63	3.36	2.69
92-PMA-0048	Till Pulp	0.11	8.6	3.1	<0.05	4.9	8.15	18.3	0.03	<1	0.4	10.8	<10	<2	59.52	15.12	7.02	2.81	4.66	3.40	2.75
92-PMA-0054	Till Pulp	0.06	10.8	2.3	<0.05	5.6	12.22	21.4	0.03	<1	0.5	12.4	<10	2	57.46	16.55	7.30	2.11	3.86	3.14	2.97
92-PMA-0055	Till Pulp	0.07	9.8	0.6	<0.05	4.9	10.96	19.0	<0.02	<1	0.6	11.5	<10	<2	57.54	16.47	7.31	2.12	3.90	3.19	2.99
92-GBC-9032	Till Pulp	0.11	3.4	0.4	<0.05	4.5	8.84	13.0	<0.02	<1	0.3	5.9	<10	<2	60.52	15.00	7.06	2.73	5.05	3.52	2.19
92-PMA-0056	Till Pulp	<0.02	6.1	2.4	<0.05	2.4	18.39	24.0	0.07	<1	0.7	15.9	<10	4	50.75	17.71	9.50	3.09	4.28	2.43	1.55
92-PMA-0057	Till Pulp	0.08	5.2	0.8	<0.05	5.6	12.91	23.2	0.03	<1	0.4	10.4	<10	3	60.49	15.23	7.84	2.30	3.24	2.94	1.79
92-PMA-0059	Till Pulp	0.07	3.7	0.5	<0.05	5.4	9.23	14.8	<0.02	<1	0.3	6.3	<10	<2	60.50	15.07	7.04	2.73	5.09	3.44	2.16

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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Project: BG_RE_02
Report Date: December 19, 2019

CERTIFICATE OF ANALYSIS VAN19003743.1

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
	Analyte	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
	Unit	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	MDL	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3	5	1	-5.1	0.01	0.02	0.02
91-GBC-9028	Till Pulp	0.89	0.16	0.07	0.018	70	605	90	48	<20	220	368	108	33	19	16	5.6	99.93	0.44	<0.02
91-PMA-0422	Till Pulp	1.11	0.67	0.37	0.010	393	459	143	41	50	361	77	45	34	<5	48	10.4	99.85	0.22	<0.02
91-PMA-0423	Till Pulp	1.20	0.68	0.22	0.010	147	469	129	38	37	433	86	<30	23	<5	23	8.5	99.84	0.93	<0.02
91-PMA-0424	Till Pulp	0.88	0.36	0.13	0.012	98	922	63	36	<20	396	177	48	24	9	19	2.8	99.91	0.12	<0.02
91-PMA-0425	Till Pulp	0.59	0.37	0.11	0.008	96	791	49	<20	<20	382	185	32	22	11	10	2.1	99.96	0.07	<0.02
91-PMA-0429	Till Pulp	0.70	0.33	0.19	0.013	207	667	82	40	29	367	94	<30	20	<5	23	10.1	99.90	1.63	<0.02
91-PMA-0430	Till Pulp	0.80	0.43	0.19	0.016	166	741	84	44	29	437	130	<30	21	6	24	5.5	99.87	0.39	<0.02
91-GBC-9029	Till Pulp	0.90	0.16	0.07	0.018	69	602	88	51	<20	219	367	113	32	20	16	5.4	99.93	0.45	<0.02
91-GBC-9030	Till Pulp	0.74	0.19	0.13	0.027	80	934	83	109	21	305	101	<30	20	7	20	6.1	99.92	0.36	<0.02
92-PMA-0002	Till Pulp	0.77	0.19	0.09	0.017	51	904	120	72	<20	243	139	<30	22	6	17	6.8	99.95	0.58	<0.02
92-PMA-0005	Till Pulp	0.96	0.21	0.10	0.039	67	1041	91	196	<20	252	150	54	21	16	15	7.0	99.90	0.86	<0.02
92-PMA-0006	Till Pulp	0.99	0.22	0.11	0.057	70	873	101	354	28	205	147	32	21	17	17	7.1	99.88	0.40	<0.02
92-PMA-0007	Till Pulp	0.75	0.17	0.11	0.106	51	750	86	771	44	141	116	<30	17	9	15	9.5	99.79	0.61	<0.02
92-PMA-0008	Till Pulp	0.62	0.14	0.11	0.144	41	643	83	1048	53	113	93	<30	14	5	14	10.9	99.73	0.61	<0.02
92-PMA-0009	Till Pulp	0.60	0.12	0.15	0.126	47	599	81	1038	73	114	96	<30	15	6	14	10.9	99.74	0.65	<0.02
92-PMA-0010	Till Pulp	0.62	0.15	0.10	0.099	45	815	119	621	40	194	103	<30	16	8	14	10.8	99.81	1.28	<0.02
92-PMA-0011	Till Pulp	0.71	0.18	0.11	0.052	55	964	135	276	22	285	116	34	18	7	15	11.4	99.90	1.73	0.03
92-PMA-0014	Till Pulp	0.79	0.18	0.10	0.030	57	1216	68	66	<20	326	142	31	22	6	22	3.6	99.96	0.23	<0.02
92-PMA-0041	Till Pulp	0.74	0.19	0.14	0.027	82	936	88	105	21	307	103	<30	20	6	20	6.2	99.91	0.34	<0.02
92-PMA-0042	Till Pulp	0.64	0.19	0.10	0.029	43	749	49	55	<20	453	135	<30	17	<5	16	4.5	99.93	0.67	<0.02
92-GBC-9031	Till Pulp	0.91	0.16	0.07	0.019	70	609	87	45	<20	219	366	113	33	17	16	4.9	99.95	0.43	<0.02
92-PMA-0046	Till Pulp	0.68	0.33	0.15	0.015	80	1027	75	29	<20	711	123	41	19	<5	20	2.7	99.91	0.10	<0.02
92-PMA-0047	Till Pulp	0.63	0.26	0.13	0.015	67	1066	54	38	<20	607	125	<30	17	<5	17	3.4	99.92	0.19	<0.02
92-PMA-0048	Till Pulp	0.65	0.27	0.13	0.015	71	1060	58	35	<20	611	133	<30	18	<5	18	3.4	99.92	0.17	<0.02
92-PMA-0054	Till Pulp	0.68	0.30	0.14	0.009	100	1303	70	28	<20	600	131	<30	20	5	17	5.2	99.93	0.17	<0.02
92-PMA-0055	Till Pulp	0.68	0.29	0.14	0.008	99	1293	69	22	<20	604	136	<30	20	<5	17	5.0	99.93	0.13	<0.02
92-GBC-9032	Till Pulp	0.69	0.27	0.12	0.020	58	847	67	38	<20	592	126	<30	20	6	21	2.6	99.92	0.10	<0.02
92-PMA-0056	Till Pulp	1.05	0.26	0.24	0.029	80	561	106	70	34	227	105	<30	25	5	38	8.9	99.91	0.84	<0.02
92-PMA-0057	Till Pulp	0.85	0.22	0.16	0.019	69	931	71	46	<20	422	132	<30	22	7	22	4.7	99.93	0.25	<0.02
92-PMA-0059	Till Pulp	0.70	0.27	0.12	0.019	55	845	54	35	<20	596	129	<30	20	<5	21	2.6	99.92	0.10	<0.02

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Project: BG_RE_02
Report Date: December 19, 2019

CERTIFICATE OF ANALYSIS VAN19003743.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
92-PMA-0067	Till Pulp	1.64	62.03	11.31	80.7	256	98.9	18.7	612	3.22	27.2	0.9	4.1	2.9	131.4	0.56	1.18	0.11	73	3.24	0.108
92-PMA-0071	Till Pulp	3.39	59.23	12.78	110.3	163	93.9	18.9	800	4.17	14.4	0.8	0.8	2.9	78.3	0.42	0.42	0.16	72	1.22	0.083
92-PMA-0079	Till Pulp	1.10	71.50	7.24	61.0	106	33.5	14.2	749	3.00	6.3	1.0	77.9	2.8	112.5	0.26	0.69	0.11	83	2.38	0.115
92-PMA-0084	Till Pulp	1.16	58.59	6.84	74.2	113	127.8	18.9	661	2.78	12.8	0.5	7.4	4.1	47.0	0.39	1.69	0.14	45	3.59	0.074
92-PMA-0093	Till Pulp	1.60	79.02	7.52	84.7	139	126.5	23.1	791	3.57	13.5	0.8	3.5	3.8	131.6	0.59	0.99	0.12	88	3.12	0.123
92-PMA-0094	Till Pulp	1.59	76.93	8.67	79.6	133	130.1	21.8	805	3.70	13.3	0.8	2.2	3.6	123.3	0.54	0.79	0.11	90	3.24	0.130
92-PMA-0103	Till Pulp	3.57	41.98	17.24	104.1	210	259.8	25.3	641	3.21	28.5	10.8	2.8	9.7	43.1	0.60	0.58	1.56	59	0.51	0.097
92-GBC-9033	Till Pulp	15.42	260.65	40.21	60.3	196	15.5	6.7	285	3.39	112.7	2.6	4.8	14.6	10.6	0.16	0.63	47.34	40	0.13	0.070
93-PMA-0284	Till Pulp	1.19	238.66	12.63	195.0	1246	80.3	34.6	1571	8.15	15.3	1.2	6.0	6.5	54.1	0.57	1.38	0.30	207	0.71	0.319
93-GBC-9047	Till Pulp	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
2019-BG-9047	Till Pulp	0.72	50.61	14.71	67.0	233	19.5	13.6	1183	3.32	16.6	0.9	7.4	3.8	12.3	0.22	6.14	2.11	56	0.36	0.082
93-PMA-0285	Till Pulp	1.73	200.34	9.27	139.6	429	73.2	24.9	1504	6.75	16.8	0.9	4.3	6.4	50.3	0.51	1.08	0.16	174	0.72	0.460
93-PMA-0286	Till Pulp	1.77	205.99	9.74	133.5	524	72.8	26.3	1535	6.90	13.9	1.0	4.6	6.1	51.5	0.50	1.13	0.16	176	0.72	0.525
93-PMA-0287	Till Pulp	1.48	199.50	9.37	132.8	129	78.7	24.0	1315	7.02	13.2	1.2	5.3	6.9	53.5	0.45	1.24	0.18	187	0.72	0.488
93-PMA-0288	Till Pulp	2.16	172.25	11.09	138.2	193	74.6	33.1	1698	7.83	16.1	1.5	5.6	6.4	42.0	0.42	1.02	0.20	226	0.53	0.417
93-PMA-0289	Till Pulp	1.93	202.97	9.15	163.8	182	84.0	31.0	1532	7.29	14.0	0.9	3.5	3.9	41.9	0.60	0.98	0.17	176	0.59	0.292
93-PMA-0290	Till Pulp	2.63	299.77	12.80	203.8	192	96.3	34.7	1668	7.79	19.6	0.9	2.7	7.4	52.2	0.81	0.83	0.29	176	0.63	0.497
93-PMA-0291	Till Pulp	2.59	292.02	14.52	201.8	205	95.2	33.2	1608	7.64	19.9	1.0	2.7	7.9	47.6	0.81	0.94	0.28	173	0.58	0.635
93-PMA-0292	Till Pulp	3.27	219.39	14.06	126.8	113	70.1	28.4	1497	7.52	18.4	2.4	8.5	9.5	61.4	0.48	0.96	0.20	195	0.84	0.460
93-PMA-0294	Till Pulp	1.54	166.17	9.56	131.3	155	76.0	23.8	1016	6.87	19.1	0.7	4.5	4.1	81.8	0.48	1.01	0.20	175	0.81	0.399
93-PMA-0295	Till Pulp	3.33	6195.30	22.92	112.3	178	74.8	31.5	1739	6.13	32.0	5.5	78.3	14.0	54.9	0.49	2.02	0.79	133	0.57	1.000
94-GBC-9073	Till Pulp	0.74	33.14	9.32	85.7	96	34.4	17.4	1030	3.60	10.8	0.6	0.3	3.4	82.2	0.24	0.57	0.11	72	1.73	0.105
94-PMA-0004	Till Pulp	0.87	24.36	5.13	54.3	82	34.5	9.3	432	2.28	5.4	0.5	2.7	2.8	35.8	0.23	0.37	0.08	55	0.56	0.099
94-PMA-0005	Till Pulp	1.11	43.45	6.98	78.8	116	63.8	13.7	527	3.00	10.1	0.7	2.8	3.4	50.5	0.32	0.50	0.11	63	0.78	0.105
94-PMA-0017	Till Pulp	0.93	40.34	9.54	75.7	46	87.6	17.7	916	3.27	8.6	0.4	1.8	2.7	41.7	0.30	0.35	0.11	60	0.78	0.080
94-GBC-9074	Till Pulp	0.83	68.97	10.35	76.0	92	39.9	15.4	362	3.84	7.1	0.7	9.5	8.6	24.3	0.11	0.24	0.21	50	0.24	0.067
94-PMA-0019	Till Pulp	1.14	42.84	7.82	78.8	147	66.6	14.7	601	3.20	7.1	0.6	1.3	3.1	54.9	0.31	0.49	0.11	59	1.34	0.082
94-PMA-0021	Till Pulp	1.46	45.26	9.41	82.6	146	55.0	15.8	823	3.15	9.4	0.7	1.9	2.7	79.2	0.40	0.32	0.12	59	3.39	0.075
94-PMA-0023	Till Pulp	1.11	49.24	11.74	93.0	105	56.3	16.6	806	3.53	11.1	0.6	1.8	2.6	69.0	0.44	0.31	0.14	63	1.49	0.080
94-PMA-0024	Till Pulp	1.12	52.45	9.40	82.5	269	67.5	13.7	593	3.34	9.7	0.6	2.5	2.6	49.5	0.14	0.37	0.13	60	0.42	0.076

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Project: BG_RE_02
Report Date: December 19, 2019

CERTIFICATE OF ANALYSIS VAN19003743.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
92-PMA-0067	Till Pulp	9.4	79.5	1.33	118.8	0.159	<20	1.23	0.019	0.08	<0.1	6.3	0.12	0.26	108	0.9	0.03	3.7	0.46	0.1	0.20
92-PMA-0071	Till Pulp	11.4	151.8	1.37	259.2	0.048	<20	2.29	0.039	0.19	<0.1	10.2	0.14	0.06	95	0.2	0.05	6.4	1.81	<0.1	0.16
92-PMA-0079	Till Pulp	9.7	36.6	0.94	320.3	0.106	<20	1.47	0.020	0.21	<0.1	6.7	0.06	0.06	78	0.2	0.03	4.7	0.77	<0.1	0.12
92-PMA-0084	Till Pulp	15.1	101.9	1.63	252.9	0.091	<20	1.42	0.018	0.15	<0.1	5.7	0.15	<0.02	80	<0.1	0.05	3.8	1.44	<0.1	0.16
92-PMA-0093	Till Pulp	13.0	121.7	1.97	119.9	0.150	<20	1.80	0.019	0.12	0.2	9.3	0.13	<0.02	132	0.2	0.03	5.4	1.02	<0.1	0.24
92-PMA-0094	Till Pulp	12.8	114.2	2.00	111.4	0.142	<20	1.84	0.022	0.14	0.2	8.8	0.12	<0.02	93	0.3	0.03	5.1	0.96	<0.1	0.13
92-PMA-0103	Till Pulp	18.5	133.0	2.64	129.5	0.204	<20	1.54	0.058	0.15	4.4	4.4	0.43	<0.02	36	<0.1	0.04	5.1	3.04	<0.1	0.11
92-GBC-9033	Till Pulp	31.4	25.9	0.52	74.3	0.124	<20	2.17	0.031	0.31	>100	5.2	0.44	0.06	<5	0.4	0.17	5.9	8.66	<0.1	0.08
93-PMA-0284	Till Pulp	16.8	133.9	2.39	187.2	0.211	<20	4.60	0.882	0.31	0.2	22.8	0.20	<0.02	191	0.6	0.11	14.3	2.88	<0.1	0.16
93-GBC-9047	Till Pulp	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
2019-BG-9047	Till Pulp	20.3	29.9	0.59	84.6	0.097	<20	1.98	0.033	0.06	0.2	5.3	0.13	<0.02	86	0.2	0.03	5.9	0.66	<0.1	<0.02
93-PMA-0285	Till Pulp	15.9	93.0	1.89	158.9	0.197	<20	4.93	0.776	0.27	0.3	17.4	0.22	<0.02	184	0.3	0.09	11.9	3.55	<0.1	0.08
93-PMA-0286	Till Pulp	15.6	86.2	1.91	173.3	0.180	<20	5.04	0.804	0.28	0.3	18.4	0.22	<0.02	172	0.2	0.06	11.9	2.39	<0.1	0.08
93-PMA-0287	Till Pulp	16.5	107.3	1.87	202.3	0.222	<20	5.02	0.856	0.28	0.4	25.2	0.21	<0.02	168	0.1	0.06	12.7	2.30	0.1	0.15
93-PMA-0288	Till Pulp	15.1	133.9	1.92	135.5	0.225	<20	5.03	0.772	0.17	0.2	22.2	0.19	<0.02	143	0.2	0.07	13.2	2.27	<0.1	0.03
93-PMA-0289	Till Pulp	13.4	111.6	2.19	132.2	0.151	<20	4.36	0.606	0.21	<0.1	16.6	0.18	<0.02	85	0.3	0.10	12.8	2.43	<0.1	0.11
93-PMA-0290	Till Pulp	19.1	100.2	2.35	144.5	0.177	<20	4.57	0.910	0.38	0.2	17.8	0.32	<0.02	101	0.3	0.10	13.8	3.35	<0.1	0.07
93-PMA-0291	Till Pulp	20.1	97.7	2.22	138.6	0.164	<20	4.33	1.009	0.37	0.2	17.9	0.34	<0.02	109	0.4	0.10	13.6	3.32	<0.1	0.08
93-PMA-0292	Till Pulp	21.1	103.5	1.52	230.4	0.215	<20	5.46	0.712	0.16	0.3	23.4	0.20	<0.02	329	0.6	0.07	13.6	2.14	<0.1	0.18
93-PMA-0294	Till Pulp	15.0	108.8	1.92	213.8	0.194	<20	4.17	0.886	0.25	0.2	17.5	0.17	<0.02	160	<0.1	0.05	13.8	2.23	<0.1	0.07
93-PMA-0295	Till Pulp	24.5	81.5	1.95	180.2	0.128	<20	5.41	0.883	0.37	0.4	17.5	0.23	0.02	62	0.5	0.24	14.4	10.66	<0.1	0.08
94-GBC-9073	Till Pulp	17.5	32.6	0.79	326.1	0.067	<20	1.72	0.041	0.14	<0.1	9.0	0.13	<0.02	74	<0.1	0.03	5.1	1.88	<0.1	0.15
94-PMA-0004	Till Pulp	13.9	39.9	0.50	116.3	0.094	<20	0.83	0.031	0.09	<0.1	4.2	0.09	<0.02	22	<0.1	<0.02	2.9	0.72	<0.1	0.22
94-PMA-0005	Till Pulp	15.1	61.5	0.90	193.0	0.099	<20	1.32	0.031	0.16	<0.1	6.2	0.14	<0.02	45	<0.1	0.03	4.6	1.19	<0.1	0.13
94-PMA-0017	Till Pulp	11.6	50.7	0.88	204.9	0.075	<20	1.65	0.021	0.09	<0.1	7.1	0.14	<0.02	59	<0.1	0.03	4.7	1.02	<0.1	0.17
94-GBC-9074	Till Pulp	28.4	49.6	0.89	52.0	0.065	<20	2.17	0.007	0.11	<0.1	4.4	0.12	<0.02	48	0.2	0.06	5.6	1.05	<0.1	0.03
94-PMA-0019	Till Pulp	12.1	60.5	1.12	224.0	0.066	<20	1.59	0.018	0.13	<0.1	7.3	0.11	<0.02	189	0.2	0.03	4.8	1.02	<0.1	0.19
94-PMA-0021	Till Pulp	11.2	45.3	1.09	333.9	0.055	<20	1.65	0.019	0.10	<0.1	7.4	0.13	<0.02	67	<0.1	0.04	4.8	1.16	<0.1	0.16
94-PMA-0023	Till Pulp	11.8	48.2	1.03	288.6	0.050	<20	1.85	0.039	0.11	<0.1	8.3	0.15	<0.02	61	<0.1	0.04	5.6	1.37	<0.1	0.15
94-PMA-0024	Till Pulp	13.5	59.5	0.85	269.5	0.066	<20	1.73	0.037	0.08	<0.1	8.2	0.12	<0.02	77	0.5	0.04	5.4	1.08	<0.1	0.16

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Project: BG_RE_02
Report Date: December 19, 2019

CERTIFICATE OF ANALYSIS VAN19003743.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%	%	%	%	%	%
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01
92-PMA-0067	Till Pulp	0.08	3.4	1.3	<0.05	6.5	9.10	18.2	<0.02	<1	0.3	10.3	<10	4	61.18	11.25	6.17	3.60	6.84	2.52	1.42
92-PMA-0071	Till Pulp	<0.02	9.9	2.3	<0.05	5.6	11.07	24.5	0.04	<1	0.5	16.9	<10	<2	59.27	15.51	6.96	2.93	2.42	1.92	1.84
92-PMA-0079	Till Pulp	0.03	8.6	1.9	<0.05	3.7	8.25	19.8	<0.02	<1	0.3	7.3	<10	3	61.98	12.74	6.25	2.56	5.89	2.58	1.91
92-PMA-0084	Till Pulp	0.07	10.4	1.6	<0.05	6.4	9.59	28.9	<0.02	<1	0.4	12.3	<10	<2	62.14	10.09	5.02	4.00	6.17	1.72	1.47
92-PMA-0093	Till Pulp	0.04	7.3	1.5	<0.05	7.7	10.56	25.5	0.04	2	0.5	15.9	<10	2	58.00	12.31	6.57	4.61	6.39	2.46	1.61
92-PMA-0094	Till Pulp	0.02	7.0	3.2	<0.05	5.3	10.01	24.8	0.02	<1	0.4	15.5	<10	<2	58.45	12.18	6.51	4.53	6.41	2.45	1.59
92-PMA-0103	Till Pulp	0.71	30.9	1.9	<0.05	8.1	20.25	40.8	0.04	<1	3.5	29.8	<10	3	61.34	11.90	6.60	6.41	3.68	2.42	2.09
92-GBC-9033	Till Pulp	1.20	39.7	5.8	<0.05	4.3	9.15	60.3	0.35	1	1.0	22.7	<10	<2	64.56	14.45	5.72	1.26	1.27	2.49	3.22
93-PMA-0284	Till Pulp	0.07	22.3	0.6	<0.05	6.3	18.08	33.7	0.07	<1	0.9	41.8	13	5	47.47	17.51	12.54	4.65	1.65	2.85	2.34
93-GBC-9047	Till Pulp	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
2019-BG-9047	Till Pulp	0.85	6.9	1.0	<0.05	0.8	14.03	58.0	0.05	<1	0.5	11.0	<10	<2	60.59	13.67	6.92	2.18	2.70	2.74	2.14
93-PMA-0285	Till Pulp	0.12	18.3	0.5	<0.05	1.9	15.70	36.2	0.05	<1	0.9	28.1	<10	3	47.93	18.67	10.91	3.88	1.84	2.97	2.34
93-PMA-0286	Till Pulp	0.13	18.4	0.4	<0.05	2.2	15.35	35.1	0.05	<1	0.9	29.6	15	6	47.02	18.78	11.28	3.96	1.84	3.02	2.29
93-PMA-0287	Till Pulp	0.10	19.9	0.7	<0.05	7.4	16.35	39.9	0.04	<1	1.0	30.7	12	6	46.92	18.38	11.74	3.87	1.83	2.94	2.30
93-PMA-0288	Till Pulp	0.29	14.8	0.5	<0.05	1.7	15.31	46.4	0.06	<1	0.9	33.5	<10	4	43.61	18.58	12.63	3.99	1.45	2.53	1.97
93-PMA-0289	Till Pulp	0.04	14.3	0.5	<0.05	4.5	15.19	22.1	0.07	<1	0.8	31.9	<10	3	45.88	18.18	12.83	4.74	1.46	2.17	1.97
93-PMA-0290	Till Pulp	0.07	29.7	0.7	<0.05	3.2	17.11	44.8	0.06	<1	1.0	39.2	11	3	46.46	18.03	12.57	4.62	1.65	2.88	2.36
93-PMA-0291	Till Pulp	0.09	29.3	1.2	<0.05	3.0	16.88	43.5	0.07	<1	1.0	34.5	<10	4	46.20	18.03	12.52	4.54	1.60	3.03	2.32
93-PMA-0292	Till Pulp	0.30	11.9	1.9	<0.05	8.6	19.39	56.0	0.05	<1	0.8	22.3	<10	3	46.84	19.32	11.59	3.25	2.25	2.83	2.05
93-PMA-0294	Till Pulp	0.07	15.5	0.5	<0.05	2.1	14.06	27.1	0.06	<1	0.9	27.8	<10	3	50.28	17.35	10.69	3.84	1.88	3.06	2.28
93-PMA-0295	Till Pulp	0.83	43.2	0.6	<0.05	2.0	14.00	56.3	0.07	<1	2.3	26.1	13	<2	43.29	18.99	9.94	4.13	1.66	2.63	2.53
94-GBC-9073	Till Pulp	0.04	10.6	0.7	<0.05	7.5	14.54	36.3	0.04	<1	0.6	11.2	<10	<2	59.95	14.90	6.47	1.79	3.71	2.50	1.83
94-PMA-0004	Till Pulp	0.06	6.3	0.6	<0.05	8.4	8.56	28.3	<0.02	<1	0.3	5.8	<10	<2	69.31	12.51	4.87	1.72	3.14	2.94	1.70
94-PMA-0005	Till Pulp	0.04	10.1	0.4	<0.05	6.5	10.57	31.0	0.03	1	0.5	9.6	<10	<2	64.96	13.26	6.02	2.52	3.17	2.56	1.75
94-PMA-0017	Till Pulp	0.05	5.9	1.0	<0.05	6.2	10.11	24.9	0.03	<1	0.4	11.2	<10	<2	66.10	13.50	5.78	2.13	2.25	2.55	1.60
94-GBC-9074	Till Pulp	0.37	12.4	0.1	<0.05	1.4	5.97	62.9	0.02	<1	0.4	31.9	<10	<2	62.72	16.16	6.73	2.13	1.25	1.66	2.84
94-PMA-0019	Till Pulp	0.04	6.5	0.3	<0.05	6.3	10.10	23.9	0.03	2	0.4	11.8	<10	<2	64.12	13.09	5.83	2.67	2.99	2.25	1.73
94-PMA-0021	Till Pulp	0.04	6.4	0.7	<0.05	5.8	10.10	22.3	0.03	1	0.5	12.3	<10	<2	58.84	13.16	5.73	2.51	5.87	2.05	1.59
94-PMA-0023	Till Pulp	0.05	7.1	1.2	<0.05	5.7	11.30	22.5	0.04	<1	0.6	14.3	<10	<2	60.77	14.97	6.37	2.48	3.19	2.15	1.74
94-PMA-0024	Till Pulp	0.14	5.8	2.3	<0.05	6.4	16.00	23.8	0.03	<1	0.5	13.4	<10	<2	66.01	13.52	5.69	2.03	1.53	2.39	1.46

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_02
Report Date: December 19, 2019

CERTIFICATE OF ANALYSIS VAN19003743.1

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
	Analyte	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
	Unit	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	MDL	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3	5	1	-5.1	0.01	0.02	0.02
92-PMA-0067	Till Pulp	0.81	0.24	0.10	0.031	58	839	104	110	23	382	149	43	22	6	19	5.6	99.92	1.12	0.28
92-PMA-0071	Till Pulp	0.76	0.19	0.12	0.032	58	903	135	105	<20	250	128	<30	22	<5	18	7.8	99.94	0.78	0.07
92-PMA-0079	Till Pulp	0.66	0.28	0.12	0.013	68	1125	74	41	<20	448	121	36	17	<5	16	4.8	99.95	0.71	0.07
92-PMA-0084	Till Pulp	0.64	0.17	0.10	0.035	59	949	94	163	21	153	121	38	20	8	13	8.2	99.93	1.50	<0.02
92-PMA-0093	Till Pulp	0.73	0.29	0.13	0.034	70	792	105	149	26	369	155	43	21	7	20	6.6	99.91	0.98	<0.02
92-PMA-0094	Till Pulp	0.72	0.28	0.12	0.034	71	793	98	147	24	368	146	41	21	6	19	6.4	99.91	0.94	<0.02
92-PMA-0103	Till Pulp	0.86	0.24	0.12	0.068	38	696	126	290	31	367	179	58	32	19	14	3.9	99.87	0.51	<0.02
92-GBC-9033	Till Pulp	0.80	0.20	0.06	0.009	244	374	75	24	<20	119	387	82	31	11	11	5.7	99.94	1.00	0.08
93-PMA-0284	Till Pulp	0.89	0.75	0.20	0.024	227	1134	226	88	33	212	113	31	26	6	30	8.8	99.89	0.40	<0.02
93-GBC-9047	Till Pulp	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
2019-BG-9047	Till Pulp	0.97	0.22	0.19	0.011	46	683	96	28	<20	298	478	66	33	10	13	7.4	99.96	2.04	0.02
93-PMA-0285	Till Pulp	0.85	1.27	0.20	0.018	206	1105	168	85	27	247	95	31	23	7	27	8.8	99.90	0.33	<0.02
93-PMA-0286	Till Pulp	0.83	1.72	0.21	0.019	222	1091	170	84	27	239	93	40	24	6	27	8.7	99.90	0.32	<0.02
93-PMA-0287	Till Pulp	0.84	1.19	0.18	0.021	215	1041	153	86	24	247	91	37	23	6	34	9.5	99.89	0.32	<0.02
93-PMA-0288	Till Pulp	0.98	1.10	0.23	0.025	176	897	165	82	35	193	107	47	22	<5	31	12.6	99.89	1.54	<0.02
93-PMA-0289	Till Pulp	0.87	0.84	0.22	0.023	233	933	208	102	30	172	113	<30	25	<5	30	10.5	99.86	0.21	<0.02
93-PMA-0290	Till Pulp	0.88	1.10	0.22	0.019	309	986	228	103	30	216	104	37	24	9	28	8.8	99.85	0.24	<0.02
93-PMA-0291	Till Pulp	0.87	1.49	0.22	0.019	307	977	227	102	30	211	103	<30	25	5	28	8.8	99.87	0.26	<0.02
93-PMA-0292	Till Pulp	0.89	1.02	0.21	0.018	248	1098	144	77	24	281	104	41	26	9	31	9.4	99.89	0.52	<0.02
93-PMA-0294	Till Pulp	0.83	0.97	0.14	0.020	163	1019	144	83	21	311	94	<30	20	7	24	8.3	99.87	0.20	<0.02
93-PMA-0295	Till Pulp	0.77	2.24	0.24	0.015	6292	907	129	78	28	212	65	33	19	10	24	12.5	99.88	1.81	<0.02
94-GBC-9073	Till Pulp	0.89	0.26	0.15	0.014	36	884	96	36	<20	357	155	39	24	11	17	7.3	99.93	0.58	<0.02
94-PMA-0004	Till Pulp	0.80	0.25	0.09	0.019	26	964	71	44	<20	413	184	38	21	9	12	2.4	99.94	0.16	<0.02
94-PMA-0005	Till Pulp	0.83	0.25	0.10	0.023	46	1052	92	83	<20	377	167	40	22	9	15	4.3	99.92	0.32	<0.02
94-PMA-0017	Till Pulp	0.80	0.20	0.13	0.019	44	855	90	101	<20	251	133	<30	23	7	15	4.7	99.93	0.33	<0.02
94-GBC-9074	Till Pulp	0.91	0.17	0.07	0.018	69	613	90	46	<20	221	362	125	35	18	16	5.1	99.92	0.44	<0.02
94-PMA-0019	Till Pulp	0.83	0.19	0.09	0.021	45	1069	98	81	<20	248	152	36	22	7	16	5.9	99.93	0.71	<0.02
94-PMA-0021	Till Pulp	0.72	0.18	0.12	0.016	48	1000	104	66	<20	256	127	<30	21	8	16	9.0	99.93	1.42	<0.02
94-PMA-0023	Till Pulp	0.74	0.19	0.12	0.017	52	930	109	68	<20	262	131	<30	23	7	18	7.0	99.91	0.63	0.02
94-PMA-0024	Till Pulp	0.76	0.18	0.09	0.018	52	905	90	77	<20	250	134	32	27	11	16	6.1	99.94	0.46	<0.02

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_02
Report Date: December 19, 2019

CERTIFICATE OF ANALYSIS VAN19003743.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
94-PMA-0025	Till Pulp	1.21	58.42	14.64	85.6	202	60.7	16.0	772	3.98	13.5	0.9	1.2	2.7	39.1	0.08	0.37	0.16	69	0.54	0.056
94-PMA-0029	Till Pulp	1.85	82.67	6.89	94.1	148	79.8	21.3	783	3.45	12.0	0.5	3.8	2.7	123.7	0.81	0.84	0.09	87	3.90	0.118
94-PMA-0035	Till Pulp	0.69	31.07	8.70	78.0	94	31.2	17.7	1026	3.40	10.1	0.6	1.0	3.0	76.8	0.23	0.45	0.11	68	1.64	0.099
94-PMA-0040	Till Pulp	0.74	32.70	10.01	75.1	31	41.8	19.1	997	4.05	5.2	0.8	1.0	4.2	66.8	0.13	0.29	0.08	85	0.73	0.141
94-PMA-0047	Till Pulp	0.75	22.69	8.30	66.9	51	24.3	12.1	688	3.02	5.4	0.5	0.9	3.2	71.2	0.15	0.35	0.08	73	0.74	0.120
94-PMA-0049	Till Pulp	0.68	29.93	7.81	75.4	111	28.2	15.1	653	3.29	9.0	0.5	0.7	2.5	70.6	0.18	0.33	0.09	69	1.32	0.100
94-PMA-0051	Till Pulp	0.63	30.67	10.24	82.5	96	24.6	12.8	773	3.29	9.4	0.5	2.5	2.6	75.3	0.27	0.42	0.13	68	1.50	0.101
94-PMA-0052	Till Pulp	0.73	22.80	8.24	76.7	62	20.6	11.3	717	2.99	8.0	0.5	1.4	2.6	71.6	0.42	0.45	0.11	68	1.17	0.114
94-PMA-0064	Till Pulp	0.75	48.22	9.18	84.6	57	44.4	18.2	841	3.95	11.5	0.6	1.3	3.1	63.2	0.14	0.27	0.11	83	0.68	0.127
97-GBC-9075	Till Pulp	0.79	68.91	10.21	73.6	89	39.3	15.3	336	3.81	7.1	0.8	6.6	8.4	23.4	0.10	0.24	0.22	48	0.24	0.068
97-PMA-0124	Till Pulp	0.69	27.00	19.16	68.2	51	20.2	10.0	733	2.88	10.7	0.5	1.5	2.5	57.4	0.41	0.44	0.11	65	0.63	0.104
97-PMA-0134	Till Pulp	0.58	28.19	9.03	76.5	61	22.6	10.5	794	3.23	9.1	0.9	1.9	3.6	108.1	0.23	0.59	0.12	62	0.71	0.106
99-PMA-0703	Till Pulp	1.15	13.05	7.08	52.6	49	21.9	6.2	328	2.08	2.8	0.3	8.7	1.9	15.5	0.08	0.22	0.13	41	0.15	0.088
99-PMA-0707	Till Pulp	0.48	7.68	3.31	21.3	87	14.2	3.2	101	1.11	2.4	0.2	1.3	0.9	20.0	0.09	0.12	0.05	28	0.19	0.038
99-GBC-9076	Till Pulp	15.49	235.69	37.92	60.3	184	15.1	6.4	271	3.33	107.8	2.8	3.8	13.2	9.5	0.15	0.49	46.40	37	0.12	0.076
99-PMA-0708	Till Pulp	0.71	4.09	2.61	18.8	54	35.9	2.9	64	0.96	0.9	0.2	0.7	1.2	4.8	0.17	0.12	0.10	23	0.08	0.016
99-PMA-0709	Till Pulp	0.81	7.55	4.16	59.8	87	12.1	4.2	201	1.56	1.5	0.3	0.9	1.3	9.3	0.28	0.11	0.09	36	0.22	0.099
99-PMA-0710	Till Pulp	3.11	57.13	7.10	81.6	366	39.3	12.9	442	2.93	14.7	1.6	0.8	1.0	34.6	1.07	0.54	0.45	72	0.70	0.063
99-PMA-0714	Till Pulp	1.51	45.94	6.54	101.1	88	238.6	38.4	4078	3.85	7.7	0.5	0.4	1.4	31.2	0.55	0.51	0.08	62	0.56	0.094
99-PMA-0715	Till Pulp	0.38	3.86	4.55	13.7	38	3.5	1.5	154	0.54	0.8	0.1	67.4	1.2	7.7	0.08	0.06	0.07	21	0.11	0.015
99-PMA-0717	Till Pulp	0.61	15.11	3.98	40.3	67	25.8	5.7	211	1.79	3.0	0.3	0.4	1.1	22.3	0.09	0.12	0.05	44	0.28	0.038

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
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Project: BG_RE_02
Report Date: December 19, 2019

CERTIFICATE OF ANALYSIS VAN19003743.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
94-PMA-0025	Till Pulp	11.7	57.9	0.77	194.1	0.047	<20	2.18	0.010	0.20	<0.1	10.3	0.14	<0.02	82	0.2	0.04	5.9	1.45	<0.1	0.12
94-PMA-0029	Till Pulp	10.8	80.6	1.45	102.7	0.138	<20	1.92	0.012	0.09	<0.1	9.9	0.13	<0.02	98	0.2	0.04	5.5	0.56	<0.1	0.19
94-PMA-0035	Till Pulp	15.8	29.7	0.75	299.7	0.062	<20	1.59	0.035	0.13	<0.1	8.5	0.12	<0.02	67	<0.1	<0.02	4.6	1.75	<0.1	0.15
94-PMA-0040	Till Pulp	24.9	46.0	0.81	232.0	0.160	<20	1.88	0.068	0.15	<0.1	9.9	0.13	<0.02	40	<0.1	<0.02	4.9	1.74	<0.1	0.03
94-PMA-0047	Till Pulp	17.8	34.7	0.58	224.1	0.128	<20	1.32	0.047	0.13	<0.1	6.2	0.09	<0.02	33	<0.1	<0.02	4.1	0.82	<0.1	<0.02
94-PMA-0049	Till Pulp	14.8	32.9	0.68	235.0	0.087	<20	1.45	0.036	0.11	<0.1	7.6	0.07	<0.02	51	<0.1	<0.02	4.3	1.08	<0.1	0.14
94-PMA-0051	Till Pulp	12.9	30.3	0.66	216.6	0.079	<20	1.51	0.033	0.10	<0.1	7.5	0.09	<0.02	42	<0.1	0.03	4.7	1.34	<0.1	0.16
94-PMA-0052	Till Pulp	14.1	28.6	0.51	222.1	0.098	<20	1.12	0.046	0.08	<0.1	6.1	0.12	<0.02	45	<0.1	0.02	3.7	1.12	<0.1	0.26
94-PMA-0064	Till Pulp	19.3	54.2	0.80	194.4	0.110	<20	1.74	0.042	0.12	<0.1	10.2	0.13	<0.02	42	<0.1	0.03	5.6	2.77	<0.1	0.05
97-GBC-9075	Till Pulp	26.7	48.8	0.88	50.8	0.065	<20	2.13	0.008	0.10	0.1	4.6	0.11	<0.02	53	0.2	0.05	5.3	1.04	<0.1	0.02
97-PMA-0124	Till Pulp	12.7	25.3	0.44	178.5	0.089	<20	1.10	0.037	0.06	<0.1	6.8	0.14	<0.02	39	<0.1	0.02	3.6	1.08	<0.1	0.24
97-PMA-0134	Till Pulp	17.6	27.8	0.55	304.6	0.103	<20	1.60	0.043	0.11	0.2	7.9	0.18	<0.02	66	<0.1	0.02	4.9	1.70	<0.1	0.50
99-PMA-0703	Till Pulp	8.5	51.6	0.56	98.5	0.041	<20	1.39	0.006	0.04	0.2	2.7	0.08	<0.02	35	<0.1	<0.02	4.9	0.68	<0.1	0.03
99-PMA-0707	Till Pulp	6.4	24.9	0.24	103.1	0.039	<20	0.70	0.005	0.04	0.1	1.6	0.05	<0.02	354	<0.1	<0.02	3.2	0.34	<0.1	0.04
99-GBC-9076	Till Pulp	28.1	26.0	0.50	68.1	0.110	<20	1.92	0.026	0.29	>100	4.6	0.40	0.06	<5	0.5	0.19	6.0	8.24	<0.1	0.10
99-PMA-0708	Till Pulp	11.0	97.2	0.10	40.0	0.049	<20	0.35	0.006	0.02	<0.1	1.0	0.05	<0.02	7	<0.1	<0.02	4.0	0.29	<0.1	<0.02
99-PMA-0709	Till Pulp	6.1	22.9	0.21	82.5	0.084	<20	0.87	0.007	0.05	0.2	1.9	0.05	<0.02	22	<0.1	<0.02	5.1	0.51	<0.1	0.04
99-PMA-0710	Till Pulp	10.8	47.3	0.54	262.7	0.048	<20	2.16	0.010	0.07	1.2	4.2	0.08	0.02	47	0.2	0.03	6.4	1.81	<0.1	<0.02
99-PMA-0714	Till Pulp	8.8	144.6	2.43	431.7	0.071	<20	1.56	0.010	0.10	0.2	6.4	0.09	<0.02	668	0.1	0.02	4.6	0.42	<0.1	0.04
99-PMA-0715	Till Pulp	8.6	10.2	0.07	54.8	0.055	<20	0.42	0.007	0.02	<0.1	1.2	0.03	<0.02	7	<0.1	<0.02	3.1	0.21	<0.1	0.02
99-PMA-0717	Till Pulp	6.3	29.6	0.44	100.7	0.071	<20	0.97	0.008	0.04	<0.1	3.3	0.05	<0.02	26	<0.1	<0.02	3.3	0.40	<0.1	0.03

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_02
Report Date: December 19, 2019

CERTIFICATE OF ANALYSIS VAN19003743.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%	%	%	%	%	%
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01
94-PMA-0025	Till Pulp	0.13	8.8	7.7	<0.05	5.1	12.03	22.6	0.05	<1	0.6	13.7	<10	<2	60.95	15.95	7.03	1.90	1.41	1.97	1.95
94-PMA-0029	Till Pulp	0.04	4.1	0.7	<0.05	6.6	10.66	20.3	0.03	<1	0.4	14.2	<10	3	56.65	12.47	6.66	3.86	7.57	2.34	1.45
94-PMA-0035	Till Pulp	0.04	9.8	0.5	<0.05	7.7	13.57	33.6	0.04	<1	0.6	10.6	<10	<2	60.11	14.92	6.45	1.78	3.71	2.54	1.85
94-PMA-0040	Till Pulp	0.08	19.2	3.2	<0.05	4.0	17.32	50.8	0.04	<1	0.8	9.3	<10	<2	57.51	15.39	7.81	2.30	3.84	2.82	1.90
94-PMA-0047	Till Pulp	0.06	9.1	1.6	<0.05	3.2	13.08	37.9	0.02	<1	0.4	7.4	<10	<2	63.77	14.42	5.90	1.71	3.52	3.31	1.83
94-PMA-0049	Till Pulp	0.05	7.1	0.7	<0.05	6.2	11.93	30.1	0.03	<1	0.5	9.2	<10	<2	63.10	14.33	5.96	1.67	3.49	2.83	1.70
94-PMA-0051	Till Pulp	0.04	6.4	0.8	<0.05	7.2	11.65	26.4	0.03	<1	0.4	10.4	<10	<2	63.07	14.22	5.97	1.55	3.78	2.90	1.68
94-PMA-0052	Till Pulp	0.06	5.5	0.3	<0.05	9.9	12.23	29.7	0.03	<1	0.4	7.9	<10	<2	64.75	14.00	5.71	1.37	3.73	3.26	1.77
94-PMA-0064	Till Pulp	0.06	11.4	2.3	<0.05	5.1	14.89	38.5	0.04	<1	0.7	9.4	<10	<2	60.57	14.58	7.51	1.97	2.98	2.71	1.61
97-GBC-9075	Till Pulp	0.39	12.3	0.1	<0.05	1.4	5.97	60.8	0.02	<1	0.4	29.1	<10	<2	62.73	16.10	6.78	2.13	1.26	1.68	2.85
97-PMA-0124	Till Pulp	0.06	4.9	14.4	<0.05	9.0	11.19	27.2	0.04	<1	0.4	6.9	<10	<2	67.18	13.53	5.40	1.21	2.94	3.34	1.69
97-PMA-0134	Till Pulp	0.05	8.3	1.1	<0.05	21.2	15.13	32.2	0.04	<1	0.5	7.7	<10	<2	64.16	14.01	5.85	1.31	2.63	2.68	1.76
99-PMA-0703	Till Pulp	0.50	10.5	0.2	<0.05	1.7	1.79	16.7	<0.02	<1	0.2	11.1	<10	3	70.69	10.01	4.26	2.82	2.20	1.95	1.07
99-PMA-0707	Till Pulp	0.50	6.7	0.1	<0.05	1.6	1.97	12.4	<0.02	<1	0.1	3.6	<10	<2	72.04	9.95	2.68	1.14	1.84	2.47	1.19
99-GBC-9076	Till Pulp	1.93	36.7	5.5	<0.05	4.0	8.16	53.6	0.34	1	0.9	19.3	<10	<2	64.65	14.43	5.71	1.25	1.26	2.47	3.24
99-PMA-0708	Till Pulp	0.40	3.9	0.5	<0.05	0.5	1.46	21.6	<0.02	<1	<0.1	1.2	<10	<2	79.41	7.57	2.65	1.52	1.32	1.76	0.82
99-PMA-0709	Till Pulp	1.13	7.4	0.8	<0.05	1.2	2.04	12.0	<0.02	<1	0.1	7.7	<10	<2	71.48	11.34	3.35	1.10	2.37	3.00	0.88
99-PMA-0710	Till Pulp	1.03	11.6	0.5	<0.05	0.6	4.24	19.0	0.03	<1	0.4	12.8	<10	<2	55.09	13.49	5.86	1.84	2.65	2.31	1.17
99-PMA-0714	Till Pulp	0.78	11.4	1.2	<0.05	1.6	8.80	22.3	0.03	<1	0.4	11.9	<10	3	58.09	11.09	8.32	5.17	2.45	2.07	1.21
99-PMA-0715	Till Pulp	0.42	2.4	0.6	<0.05	0.9	1.37	16.7	<0.02	<1	<0.1	2.0	<10	<2	81.49	8.40	1.54	0.48	1.04	2.30	1.03
99-PMA-0717	Till Pulp	0.34	5.1	0.3	<0.05	1.2	3.75	11.8	<0.02	<1	0.2	8.0	<10	<2	72.62	11.85	3.68	1.34	1.85	3.15	1.39

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3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_02
Report Date: December 19, 2019

CERTIFICATE OF ANALYSIS VAN19003743.1

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
	Analyte	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
	Unit	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	MDL	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3	5	1	-5.1	0.01	0.02	0.02
94-PMA-0025	Till Pulp	0.77	0.15	0.11	0.019	60	834	103	73	<20	217	141	33	24	6	20	7.6	99.94	0.54	<0.02
94-PMA-0029	Till Pulp	0.78	0.29	0.12	0.026	84	704	114	86	23	339	123	<30	24	7	22	7.5	99.90	1.04	<0.02
94-PMA-0035	Till Pulp	0.90	0.26	0.15	0.014	36	881	95	44	<20	359	151	40	23	14	17	7.1	99.95	0.58	<0.02
94-PMA-0040	Till Pulp	1.04	0.40	0.15	0.017	40	1127	101	54	23	534	217	60	26	14	18	6.5	99.93	0.14	<0.02
94-PMA-0047	Till Pulp	0.96	0.30	0.11	0.015	28	1019	91	30	<20	509	182	42	21	7	14	3.9	99.97	0.15	<0.02
94-PMA-0049	Till Pulp	0.91	0.26	0.10	0.014	33	866	93	36	<20	408	147	36	22	10	15	5.4	99.94	0.45	<0.02
94-PMA-0051	Till Pulp	0.81	0.23	0.12	0.012	32	832	99	31	<20	380	155	33	22	<5	15	5.4	99.95	0.49	<0.02
94-PMA-0052	Till Pulp	0.86	0.27	0.11	0.013	25	963	87	26	<20	467	186	37	21	6	14	3.9	99.95	0.32	<0.02
94-PMA-0064	Till Pulp	1.04	0.33	0.13	0.018	55	965	103	56	<20	489	176	48	26	10	18	6.3	99.93	0.22	<0.02
97-GBC-9075	Till Pulp	0.91	0.15	0.07	0.018	72	613	89	43	<20	222	369	114	32	21	16	5.1	99.93	0.41	<0.02
97-PMA-0124	Till Pulp	0.81	0.24	0.11	0.011	28	873	76	24	<20	421	163	40	22	6	14	3.3	99.95	0.17	<0.02
97-PMA-0134	Till Pulp	0.78	0.25	0.12	0.010	29	948	84	29	<20	424	169	41	24	9	14	6.2	99.96	0.25	<0.02
99-PMA-0703	Till Pulp	0.69	0.19	0.07	0.021	13	575	70	43	<20	154	107	33	14	9	16	5.9	99.93	1.05	<0.02
99-PMA-0707	Till Pulp	0.70	0.10	0.04	0.017	11	641	36	25	<20	263	147	<30	14	9	10	7.7	99.96	2.72	<0.02
99-GBC-9076	Till Pulp	0.80	0.21	0.06	0.008	243	372	75	21	<20	118	389	74	29	12	11	5.7	99.92	0.98	0.07
99-PMA-0708	Till Pulp	1.01	0.05	0.04	0.053	6	533	45	73	<20	132	211	39	18	13	9	3.6	99.96	0.79	<0.02
99-PMA-0709	Till Pulp	0.77	0.22	0.05	0.012	11	569	93	28	<20	248	232	<30	15	10	9	5.3	99.96	1.40	<0.02
99-PMA-0710	Till Pulp	0.72	0.19	0.09	0.022	69	830	137	57	<20	287	153	35	15	8	14	16.3	99.94	5.28	0.02
99-PMA-0714	Till Pulp	0.91	0.21	0.55	0.059	49	964	129	288	49	178	127	<30	23	9	19	9.5	99.89	2.10	<0.02
99-PMA-0715	Till Pulp	0.76	0.04	0.04	0.011	6	517	37	<20	<20	174	167	<30	15	10	7	2.8	99.99	0.64	<0.02
99-PMA-0717	Till Pulp	0.69	0.10	0.05	0.019	19	729	50	38	<20	271	159	<30	15	<5	11	3.1	99.97	0.36	<0.02

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Project: BG_RE_02
Report Date: December 19, 2019

QUALITY CONTROL REPORT VAN19003743.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
90-PMA-0160	Till Pulp	0.57	27.86	8.36	74.3	37	29.4	14.6	863	3.48	8.6	0.5	6.1	3.1	62.9	0.21	0.49	0.09	84	0.71	0.135
91-PMA-0060	Till Pulp	1.02	44.57	5.45	72.6	50	29.4	11.8	710	3.17	7.8	0.5	1.2	2.9	38.6	0.23	0.71	0.08	86	0.56	0.106
91-PMA-0206	Till Pulp	1.04	92.60	6.60	71.2	146	45.4	18.3	852	3.70	11.6	0.5	2.8	3.2	68.2	0.36	0.59	0.13	102	1.86	0.123
91-PMA-0272	Till Pulp	0.36	74.39	4.15	45.2	62	18.6	13.2	582	3.06	4.5	0.6	6.6	3.6	48.3	0.12	0.31	0.07	103	0.93	0.149
91-PMA-0347	Till Pulp	1.64	70.33	11.83	99.7	203	125.3	24.1	848	4.04	18.0	0.7	2.5	5.3	79.8	0.56	0.92	0.21	78	1.99	0.098
91-PMA-0412	Till Pulp	1.10	70.01	6.27	41.3	53	32.2	12.1	497	3.00	9.8	0.5	5.2	2.4	47.6	0.08	0.61	0.12	85	0.52	0.090
92-PMA-0093	Till Pulp	1.60	79.02	7.52	84.7	139	126.5	23.1	791	3.57	13.5	0.8	3.5	3.8	131.6	0.59	0.99	0.12	88	3.12	0.123
94-PMA-0052	Till Pulp	0.73	22.80	8.24	76.7	62	20.6	11.3	717	2.99	8.0	0.5	1.4	2.6	71.6	0.42	0.45	0.11	68	1.17	0.114
Pulp Duplicates																					
90-PMA-0135	Till Pulp	1.33	35.29	8.42	81.4	75	32.8	14.7	782	3.50	17.8	0.7	1.5	3.8	116.8	0.22	0.54	0.12	80	1.05	0.120
REP 90-PMA-0135	QC																				
91-PMA-0028	Till Pulp	0.69	28.27	6.55	70.9	17	28.0	12.2	487	3.63	2.5	1.0	1.2	4.6	99.5	0.08	0.17	0.11	98	0.67	0.160
REP 91-PMA-0028	QC																				
91-PMA-0075	Till Pulp	0.62	30.90	7.25	72.9	58	22.3	10.0	576	3.02	10.6	0.4	<0.2	2.2	66.1	0.38	0.52	0.12	65	1.35	0.117
REP 91-PMA-0075	QC	0.61	31.41	6.88	68.9	63	21.4	9.7	562	2.95	10.1	0.4	1.0	2.3	64.0	0.40	0.50	0.11	64	1.33	0.111
91-PMA-0104	Till Pulp	1.34	68.12	7.19	85.0	106	320.5	30.3	690	3.86	12.3	0.4	1.2	3.0	27.9	0.23	0.87	0.13	78	0.59	0.074
REP 91-PMA-0104	QC																				
91-PMA-0214	Till Pulp	1.00	104.58	6.55	53.3	48	35.5	20.7	843	3.52	15.3	0.6	4.5	3.2	44.6	0.20	0.63	0.13	103	0.58	0.136
REP 91-PMA-0214	QC	0.91	99.30	6.05	49.1	46	33.9	19.8	772	3.46	14.5	0.6	4.0	3.0	41.4	0.18	0.57	0.11	99	0.55	0.125
91-PMA-0245	Till Pulp	1.20	122.61	10.89	72.4	69	23.6	15.2	718	3.74	8.3	0.8	4.6	4.5	65.7	0.21	0.49	0.14	110	0.96	0.152
REP 91-PMA-0245	QC																				
91-PMA-0281	Till Pulp	1.32	79.34	10.44	82.5	158	56.2	19.1	875	3.83	12.1	1.1	4.0	8.0	66.4	0.35	0.57	0.20	92	1.43	0.123
REP 91-PMA-0281	QC	1.32	76.81	10.23	83.3	148	55.0	19.7	827	3.86	12.1	1.1	3.1	8.0	63.3	0.36	0.57	0.19	92	1.44	0.121
91-GBC-9023	Till Pulp	14.56	263.03	37.10	60.4	185	15.4	6.1	265	3.33	109.6	2.5	3.5	11.5	9.7	0.14	0.52	49.41	40	0.11	0.074
REP 91-GBC-9023	QC																				
91-PMA-0353	Till Pulp	0.97	90.78	15.03	113.2	177	223.7	27.8	1112	3.32	13.6	1.7	8.4	6.4	28.8	1.31	0.32	0.66	73	0.48	0.060
REP 91-PMA-0353	QC	0.95	89.94	14.76	108.1	169	218.5	28.2	1120	3.26	13.7	1.6	3.7	6.6	27.8	1.32	0.32	0.64	72	0.48	0.061
91-PMA-0383	Till Pulp	0.94	49.82	10.72	94.3	139	50.9	16.5	617	3.67	6.1	1.2	1.0	11.2	49.5	0.26	0.51	0.23	67	0.72	0.094
REP 91-PMA-0383	QC																				

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_02
Report Date: December 19, 2019

QUALITY CONTROL REPORT VAN19003743.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
90-PMA-0160	Till Pulp	20.6	38.8	0.61	230.5	0.119	<20	1.57	0.051	0.13	<0.1	8.3	0.10	<0.02	43	<0.1	0.02	4.9	1.22	<0.1	0.03
91-PMA-0060	Till Pulp	13.3	37.3	0.63	197.2	0.127	<20	1.64	0.034	0.21	<0.1	7.9	0.23	<0.02	44	<0.1	0.03	5.0	1.68	<0.1	0.18
91-PMA-0206	Till Pulp	12.5	53.4	1.04	166.6	0.132	<20	1.92	0.030	0.15	0.1	8.7	0.10	<0.02	101	<0.1	0.04	6.3	1.18	<0.1	0.26
91-PMA-0272	Till Pulp	11.7	40.6	0.73	74.0	0.149	<20	1.32	0.021	0.15	<0.1	6.2	0.07	<0.02	62	<0.1	<0.02	4.4	1.20	0.1	0.16
91-PMA-0347	Till Pulp	17.6	91.1	1.57	174.1	0.092	<20	1.90	0.015	0.17	0.1	9.0	0.18	<0.02	130	0.4	0.04	5.7	1.44	<0.1	0.17
91-PMA-0412	Till Pulp	9.9	51.3	0.75	97.9	0.131	<20	1.74	0.016	0.10	0.2	5.4	0.09	<0.02	43	0.2	0.04	4.9	1.01	<0.1	0.04
92-PMA-0093	Till Pulp	13.0	121.7	1.97	119.9	0.150	<20	1.80	0.019	0.12	0.2	9.3	0.13	<0.02	132	0.2	0.03	5.4	1.02	<0.1	0.24
94-PMA-0052	Till Pulp	14.1	28.6	0.51	222.1	0.098	<20	1.12	0.046	0.08	<0.1	6.1	0.12	<0.02	45	<0.1	0.02	3.7	1.12	<0.1	0.26
Pulp Duplicates																					
90-PMA-0135	Till Pulp	20.2	36.9	0.72	268.9	0.089	<20	1.67	0.038	0.15	<0.1	9.4	0.18	<0.02	56	<0.1	0.03	5.2	3.05	<0.1	0.08
REP 90-PMA-0135	QC																				
91-PMA-0028	Till Pulp	28.7	46.6	0.57	299.2	0.217	<20	1.75	0.048	0.13	<0.1	8.8	0.12	<0.02	27	<0.1	<0.02	5.5	0.87	<0.1	0.06
REP 91-PMA-0028	QC																				
91-PMA-0075	Till Pulp	14.0	30.6	0.50	225.0	0.100	<20	1.27	0.031	0.12	<0.1	6.8	0.10	<0.02	58	<0.1	0.03	4.1	0.99	<0.1	0.24
REP 91-PMA-0075	QC	13.4	28.0	0.49	214.4	0.098	<20	1.26	0.030	0.11	<0.1	6.1	0.09	<0.02	56	<0.1	0.03	4.1	0.93	<0.1	0.23
91-PMA-0104	Till Pulp	9.7	206.4	3.00	131.4	0.104	<20	2.04	0.020	0.13	<0.1	7.5	0.17	<0.02	55	<0.1	0.05	6.1	1.42	<0.1	0.23
REP 91-PMA-0104	QC																				
91-PMA-0214	Till Pulp	12.3	48.8	0.78	207.0	0.122	<20	1.95	0.014	0.11	0.3	8.1	0.10	<0.02	77	<0.1	0.05	5.8	1.08	<0.1	0.15
REP 91-PMA-0214	QC	11.3	45.1	0.76	190.0	0.110	<20	1.89	0.014	0.11	0.3	7.3	0.09	<0.02	67	<0.1	0.05	5.3	0.99	<0.1	0.15
91-PMA-0245	Till Pulp	13.6	40.6	0.77	162.0	0.114	<20	1.67	0.033	0.16	0.2	7.3	0.07	<0.02	78	<0.1	0.03	5.6	1.52	<0.1	0.17
REP 91-PMA-0245	QC																				
91-PMA-0281	Till Pulp	21.0	63.9	1.35	278.7	0.127	<20	2.02	0.027	0.25	0.2	8.0	0.16	0.02	129	0.2	0.04	6.4	2.01	<0.1	0.22
REP 91-PMA-0281	QC	21.2	63.0	1.35	266.9	0.125	<20	2.03	0.026	0.25	0.2	7.7	0.16	0.02	110	0.1	0.04	6.2	1.92	<0.1	0.21
91-GBC-9023	Till Pulp	26.7	24.2	0.51	66.0	0.110	<20	1.89	0.026	0.29	>100	4.3	0.40	0.07	22	0.7	0.21	6.2	8.11	<0.1	0.08
REP 91-GBC-9023	QC																				
91-PMA-0353	Till Pulp	15.7	111.5	1.75	281.9	0.145	<20	1.99	0.018	0.47	1.7	7.2	0.63	<0.02	82	<0.1	0.07	7.6	5.72	0.1	0.13
REP 91-PMA-0353	QC	14.5	113.9	1.74	267.5	0.147	<20	1.99	0.017	0.46	1.4	7.2	0.60	<0.02	73	0.2	0.08	7.7	5.47	0.1	0.12
91-PMA-0383	Till Pulp	31.4	59.3	1.09	270.8	0.193	<20	2.30	0.035	0.58	0.3	8.3	0.34	<0.02	56	<0.1	0.03	8.6	2.40	<0.1	0.08
REP 91-PMA-0383	QC																				

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_02
Report Date: December 19, 2019

QUALITY CONTROL REPORT VAN19003743.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%	%	%	%	%	%
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01
90-PMA-0160	Till Pulp	0.04	8.3	2.4	<0.05	3.9	14.44	43.6	0.04	<1	0.5	9.3	<10	<2	64.48	13.93	6.15	1.45	2.78	3.06	1.74
91-PMA-0060	Till Pulp	0.07	15.6	0.6	<0.05	7.2	11.68	29.2	0.03	<1	0.3	10.7	<10	<2	65.14	13.62	6.10	2.05	3.18	2.67	1.40
91-PMA-0206	Till Pulp	0.05	9.3	0.2	<0.05	8.7	10.22	24.5	0.03	<1	0.5	12.9	<10	3	61.32	13.36	6.54	2.65	4.50	2.60	1.89
91-PMA-0272	Till Pulp	0.06	11.1	0.3	<0.05	4.7	8.54	21.2	<0.02	<1	0.3	8.1	<10	2	62.11	14.04	6.62	2.63	4.98	3.23	2.39
91-PMA-0347	Till Pulp	0.07	13.4	0.4	<0.05	7.2	11.05	36.8	0.03	<1	0.6	19.8	<10	3	57.88	14.18	7.34	3.74	4.22	1.79	2.18
91-PMA-0412	Till Pulp	0.24	10.0	<0.1	<0.05	2.1	6.52	22.6	0.02	<1	0.4	8.8	<10	2	66.88	12.72	5.72	2.28	2.94	2.72	1.71
92-PMA-0093	Till Pulp	0.04	7.3	1.5	<0.05	7.7	10.56	25.5	0.04	2	0.5	15.9	<10	2	58.00	12.31	6.57	4.61	6.39	2.46	1.61
94-PMA-0052	Till Pulp	0.06	5.5	0.3	<0.05	9.9	12.23	29.7	0.03	<1	0.4	7.9	<10	<2	64.75	14.00	5.71	1.37	3.73	3.26	1.77
Pulp Duplicates																					
90-PMA-0135	Till Pulp	0.04	12.3	1.0	<0.05	6.7	15.49	44.5	0.04	<1	0.9	11.5	<10	<2	61.29	14.85	6.28	1.67	2.87	2.43	1.71
REP 90-PMA-0135	QC														61.16	14.91	6.30	1.68	2.87	2.46	1.71
91-PMA-0028	Till Pulp	0.14	13.1	0.6	<0.05	5.3	15.63	61.8	0.03	<1	0.7	8.5	<10	<2	60.21	15.44	7.17	1.87	3.78	3.16	2.12
REP 91-PMA-0028	QC														59.94	15.61	7.14	1.87	3.79	3.21	2.17
91-PMA-0075	Till Pulp	0.07	6.6	0.5	<0.05	8.1	10.56	27.7	0.04	1	0.4	9.0	<10	<2	66.79	12.75	5.40	1.44	3.50	2.97	1.31
REP 91-PMA-0075	QC	0.07	6.3	0.3	<0.05	8.0	10.06	26.4	0.02	<1	0.4	8.1	<10	<2							
91-PMA-0104	Till Pulp	0.05	10.3	0.3	<0.05	8.6	8.45	21.0	0.03	<1	0.5	14.9	<10	2	60.53	11.85	6.95	7.29	2.35	1.61	1.41
REP 91-PMA-0104	QC														60.36	11.88	7.01	7.33	2.35	1.62	1.43
91-PMA-0214	Till Pulp	0.13	8.9	0.3	<0.05	6.2	10.28	34.9	0.02	<1	0.5	10.3	<10	2	63.06	14.14	6.85	2.39	3.29	2.71	1.95
REP 91-PMA-0214	QC	0.12	8.1	0.2	<0.05	5.6	9.45	32.1	<0.02	<1	0.4	9.8	<10	<2							
91-PMA-0245	Till Pulp	0.12	12.3	2.2	<0.05	5.5	11.07	25.2	<0.02	<1	0.5	9.0	<10	2	61.10	14.19	7.22	2.41	4.02	2.82	2.65
REP 91-PMA-0245	QC														61.31	14.06	7.22	2.40	4.02	2.80	2.61
91-PMA-0281	Till Pulp	0.19	18.6	2.9	<0.05	6.8	11.04	38.1	0.03	<1	0.4	18.7	<10	<2	58.83	14.69	7.25	3.38	4.22	2.57	2.27
REP 91-PMA-0281	QC	0.19	18.4	2.5	<0.05	6.8	10.80	37.2	0.04	1	0.4	18.9	<10	<2							
91-GBC-9023	Till Pulp	1.97	35.7	5.3	<0.05	4.3	7.82	50.3	0.29	1	0.6	20.5	<10	3	64.90	14.33	5.68	1.25	1.26	2.48	3.16
REP 91-GBC-9023	QC														64.69	14.43	5.71	1.26	1.25	2.50	3.21
91-PMA-0353	Till Pulp	0.32	49.6	1.2	<0.05	4.3	14.50	34.8	0.05	<1	1.1	23.8	<10	<2	65.23	11.33	6.34	5.24	2.47	1.90	1.56
REP 91-PMA-0353	QC	0.31	48.6	1.3	<0.05	4.1	14.12	34.0	0.04	2	1.3	23.5	<10	<2							
91-PMA-0383	Till Pulp	0.22	53.2	0.5	<0.05	2.9	12.17	62.1	0.03	<1	0.6	20.4	<10	<2	61.47	15.52	6.80	2.79	2.80	1.99	2.84
REP 91-PMA-0383	QC														61.73	15.35	6.81	2.76	2.77	1.97	2.82

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_02
Report Date: December 19, 2019

QUALITY CONTROL REPORT VAN19003743.1

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
	Analyte	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
	Unit	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	MDL	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3	5	1	-5.1	0.01	0.02	0.02
90-PMA-0160	Till Pulp	0.95	0.31	0.13	0.014	33	984	88	35	<20	463	183	56	22	9	14	4.7	99.95	0.15	<0.02
91-PMA-0060	Till Pulp	0.81	0.25	0.13	0.015	54	735	96	37	<20	360	158	41	24	6	16	4.4	99.94	0.25	<0.02
91-PMA-0206	Till Pulp	0.72	0.27	0.13	0.018	89	955	83	54	<20	400	122	42	19	7	17	5.7	99.92	0.53	<0.02
91-PMA-0272	Till Pulp	0.72	0.33	0.12	0.014	71	946	56	28	<20	542	136	<30	18	<5	20	2.5	99.92	0.07	<0.02
91-PMA-0347	Till Pulp	0.82	0.24	0.13	0.029	66	1099	112	141	26	240	170	48	26	15	19	7.1	99.90	0.78	<0.02
91-PMA-0412	Till Pulp	0.72	0.21	0.10	0.019	72	838	52	47	<20	377	133	30	16	9	14	3.7	99.93	0.34	<0.02
92-PMA-0093	Till Pulp	0.73	0.29	0.13	0.034	70	792	105	149	26	369	155	43	21	7	20	6.6	99.91	0.98	<0.02
94-PMA-0052	Till Pulp	0.86	0.27	0.11	0.013	25	963	87	26	<20	467	186	37	21	6	14	3.9	99.95	0.32	<0.02
Pulp Duplicates																				
90-PMA-0135	Till Pulp	0.90	0.29	0.12	0.013	40	963	98	41	<20	474	168	50	23	11	15	7.3	99.95	0.38	<0.02
REP 90-PMA-0135	QC	0.90	0.29	0.12	0.012	41	968	98	44	<20	476	172	58	22	12	15	7.3	99.95		
91-PMA-0028	Till Pulp	1.13	0.36	0.10	0.015	36	1311	102	40	<20	637	243	72	26	15	16	4.3	99.95	0.16	<0.02
REP 91-PMA-0028	QC	1.14	0.36	0.10	0.016	34	1312	95	37	<20	643	249	72	25	15	15	4.3	99.94		
91-PMA-0075	Till Pulp	0.90	0.27	0.09	0.015	39	727	80	28	<20	400	170	33	21	9	14	4.3	99.96	0.42	<0.02
REP 91-PMA-0075	QC																		0.43	<0.02
91-PMA-0104	Till Pulp	0.69	0.16	0.11	0.051	67	1166	98	381	37	200	122	36	18	9	17	6.6	99.85	0.37	<0.02
REP 91-PMA-0104	QC	0.69	0.16	0.11	0.050	67	1183	101	382	37	201	125	<30	19	8	17	6.6	99.84		
91-PMA-0214	Till Pulp	0.79	0.30	0.15	0.020	110	1007	66	54	28	409	139	53	21	5	18	4.1	99.93	0.20	<0.02
REP 91-PMA-0214	QC																		0.21	<0.02
91-PMA-0245	Till Pulp	0.73	0.35	0.14	0.013	118	933	86	32	21	439	171	<30	20	8	17	4.1	99.92	0.15	<0.02
REP 91-PMA-0245	QC	0.73	0.36	0.14	0.013	115	922	85	31	<20	434	157	33	21	8	17	4.1	99.92		
91-PMA-0281	Till Pulp	0.75	0.28	0.14	0.017	76	1063	95	66	<20	370	154	45	21	14	18	5.3	99.91	0.59	0.03
REP 91-PMA-0281	QC																		0.59	0.03
91-GBC-9023	Till Pulp	0.80	0.20	0.06	0.008	243	368	67	<20	<20	118	385	73	31	16	10	5.6	99.93	1.01	0.06
REP 91-GBC-9023	QC	0.81	0.21	0.06	0.007	244	367	68	22	<20	118	383	78	31	17	10	5.6	99.92		
91-PMA-0353	Till Pulp	0.64	0.14	0.18	0.041	86	789	129	283	31	200	117	53	29	11	15	4.6	99.88	0.34	<0.02
REP 91-PMA-0353	QC																		0.35	<0.02
91-PMA-0383	Till Pulp	0.93	0.25	0.11	0.020	51	1127	112	71	<20	269	306	115	33	19	17	4.2	99.91	0.20	<0.02
REP 91-PMA-0383	QC	0.94	0.24	0.11	0.021	53	1120	109	70	<20	266	304	111	32	21	17	4.2	99.92		

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3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_02
Report Date: December 19, 2019

QUALITY CONTROL REPORT VAN19003743.1

		AQ250 Mo ppm 0.01	AQ250 Cu ppm 0.01	AQ250 Pb ppm 0.01	AQ250 Zn ppm 0.1	AQ250 Ag ppb 2	AQ250 Ni ppm 0.1	AQ250 Co ppm 0.1	AQ250 Mn ppm 1	AQ250 Fe % 0.01	AQ250 As ppm 0.1	AQ250 U ppm 0.1	AQ250 Au ppb 0.2	AQ250 Th ppm 0.1	AQ250 Sr ppm 0.5	AQ250 Cd ppm 0.01	AQ250 Sb ppm 0.02	AQ250 Bi ppm 0.02	AQ250 V ppm 1	AQ250 Ca % 0.01	AQ250 P % 0.001
91-PMA-0419	Till Pulp	4.14	133.95	5.24	68.9	168	34.9	25.5	933	4.68	6.4	0.4	13.8	2.3	56.1	0.16	0.40	0.17	126	0.83	0.121
REP 91-PMA-0419	QC	4.16	137.67	5.41	68.5	170	34.7	25.5	935	4.62	6.6	0.4	5.3	2.4	57.3	0.16	0.47	0.17	126	0.83	0.124
92-PMA-0005	Till Pulp	1.62	63.29	8.11	79.6	109	164.5	19.9	683	3.43	6.6	0.5	5.9	2.8	91.4	0.42	0.38	0.12	64	2.17	0.083
REP 92-PMA-0005	QC																				
92-PMA-0009	Till Pulp	0.80	51.53	6.76	65.7	110	986.1	71.7	1029	4.34	4.9	0.4	1.6	1.9	22.4	0.26	0.36	0.08	51	0.53	0.055
REP 92-PMA-0009	QC																				
92-PMA-0084	Till Pulp	1.16	58.59	6.84	74.2	113	127.8	18.9	661	2.78	12.8	0.5	7.4	4.1	47.0	0.39	1.69	0.14	45	3.59	0.074
REP 92-PMA-0084	QC	1.16	57.24	6.49	73.7	114	127.5	18.2	654	2.76	12.7	0.5	3.6	4.1	44.3	0.41	1.65	0.14	45	3.59	0.075
94-GBC-9073	Till Pulp	0.74	33.14	9.32	85.7	96	34.4	17.4	1030	3.60	10.8	0.6	0.3	3.4	82.2	0.24	0.57	0.11	72	1.73	0.105
REP 94-GBC-9073	QC																				
97-PMA-0124	Till Pulp	0.69	27.00	19.16	68.2	51	20.2	10.0	733	2.88	10.7	0.5	1.5	2.5	57.4	0.41	0.44	0.11	65	0.63	0.104
REP 97-PMA-0124	QC	0.65	25.66	22.29	68.2	53	19.3	10.2	757	2.88	10.4	0.5	2.5	2.4	54.2	0.40	0.45	0.11	65	0.63	0.107
91-GBC-9004	Till Pulp	0.81	69.61	10.76	79.5	94	40.9	15.3	384	4.00	7.8	0.8	6.3	10.0	29.6	0.09	0.30	0.25	57	0.26	0.075
REP 91-GBC-9004	QC	0.78	67.68	10.27	79.2	106	39.2	15.1	355	3.89	7.3	0.8	7.3	9.3	27.8	0.11	0.32	0.22	55	0.25	0.070
Reference Materials																					
STD BVGEO01	Standard	10.27	4355.27	190.15	1684.9	2579	162.0	23.1	743	3.68	122.9	3.8	219.1	14.9	60.9	6.83	2.36	26.19	77	1.33	0.077
STD BVGEO01	Standard	10.28	4484.67	182.87	1834.6	2521	160.2	24.7	711	3.74	116.8	3.9	208.0	15.3	56.7	6.28	3.07	24.65	72	1.35	0.070
STD BVGEO01	Standard	10.54	4190.66	183.70	1669.5	2471	159.0	24.4	722	3.68	110.1	3.8	193.1	15.0	49.5	5.96	1.78	23.19	72	1.27	0.074
STD BVGEO01	Standard	10.86	4583.07	192.62	1805.9	2549	158.9	25.9	748	3.64	119.2	4.0	201.1	15.8	54.4	6.28	2.10	24.10	71	1.30	0.079
STD DS11	Standard	15.50	148.83	145.71	390.9	1588	86.7	14.2	1053	3.32	46.2	2.6	63.3	8.5	78.4	2.55	7.81	13.64	54	1.13	0.081
STD DS11	Standard	14.76	155.99	135.57	329.2	1624	83.2	13.6	1032	3.09	42.7	2.6	63.6	8.7	69.0	2.23	7.79	11.18	48	1.07	0.069
STD DS11	Standard	14.40	155.33	134.69	340.6	1635	74.5	14.0	1004	3.10	41.4	2.5	70.1	8.3	61.9	2.28	6.72	11.39	49	1.03	0.072
STD DS11	Standard	14.48	154.79	128.70	338.0	1934	81.9	13.7	1022	3.11	42.6	2.3	47.3	7.1	62.6	2.41	6.23	10.75	50	1.02	0.072
STD GS311-1	Standard																				
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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_02
Report Date: December 19, 2019

QUALITY CONTROL REPORT VAN19003743.1

		AQ250 La ppm 0.5	AQ250 Cr ppm 0.5	AQ250 Mg % 0.01	AQ250 Ba ppm 0.5	AQ250 Ti % 0.001	AQ250 B ppm 20	AQ250 Al % 0.01	AQ250 Na % 0.001	AQ250 K % 0.01	AQ250 W ppm 0.1	AQ250 Sc ppm 0.1	AQ250 Tl ppm 0.02	AQ250 S % 0.02	AQ250 Hg ppb 5	AQ250 Se ppm 0.1	AQ250 Te ppm 0.02	AQ250 Ga ppm 0.1	AQ250 Cs ppm 0.02	AQ250 Ge ppm 0.1	AQ250 Hf ppm 0.02
91-PMA-0419	Till Pulp	9.4	70.8	1.64	92.4	0.167	<20	2.49	0.011	0.25	0.3	10.7	0.12	<0.02	69	<0.1	0.07	7.1	3.28	0.1	0.09
REP 91-PMA-0419	QC	9.9	72.1	1.64	98.1	0.174	<20	2.49	0.011	0.25	0.3	10.9	0.12	<0.02	66	0.1	0.07	7.3	3.30	<0.1	0.08
92-PMA-0005	Till Pulp	14.3	146.6	2.06	274.5	0.185	<20	1.65	0.024	0.12	<0.1	7.5	0.11	<0.02	176	<0.1	0.04	5.1	0.92	<0.1	0.28
REP 92-PMA-0005	QC																				
92-PMA-0009	Till Pulp	8.7	338.0	8.51	143.0	0.090	21	1.46	0.014	0.09	0.1	9.0	0.12	<0.02	237	0.2	0.02	4.1	0.97	<0.1	0.11
REP 92-PMA-0009	QC																				
92-PMA-0084	Till Pulp	15.1	101.9	1.63	252.9	0.091	<20	1.42	0.018	0.15	<0.1	5.7	0.15	<0.02	80	<0.1	0.05	3.8	1.44	<0.1	0.16
REP 92-PMA-0084	QC	14.1	101.0	1.65	224.7	0.089	<20	1.43	0.017	0.15	0.1	5.6	0.14	<0.02	75	<0.1	0.03	4.1	1.39	<0.1	0.18
94-GBC-9073	Till Pulp	17.5	32.6	0.79	326.1	0.067	<20	1.72	0.041	0.14	<0.1	9.0	0.13	<0.02	74	<0.1	0.03	5.1	1.88	<0.1	0.15
REP 94-GBC-9073	QC																				
97-PMA-0124	Till Pulp	12.7	25.3	0.44	178.5	0.089	<20	1.10	0.037	0.06	<0.1	6.8	0.14	<0.02	39	<0.1	0.02	3.6	1.08	<0.1	0.24
REP 97-PMA-0124	QC	12.4	24.7	0.45	173.3	0.087	<20	1.09	0.036	0.06	0.1	6.0	0.13	<0.02	35	<0.1	0.03	3.3	1.03	<0.1	0.21
91-GBC-9004	Till Pulp	34.2	49.5	0.93	58.8	0.078	<20	2.25	0.011	0.13	0.3	5.1	0.13	<0.02	55	0.1	0.06	5.7	1.26	<0.1	0.03
REP 91-GBC-9004	QC	32.0	47.7	0.89	56.7	0.074	<20	2.15	0.009	0.12	0.2	5.3	0.13	<0.02	53	0.2	0.04	5.5	1.15	<0.1	0.02
Reference Materials																					
STD BVGEO01	Standard	27.4	177.6	1.29	346.8	0.247	<20	2.33	0.205	0.96	3.3	6.0	0.64	0.66	93	4.9	1.03	7.0	7.46	0.1	0.29
STD BVGEO01	Standard	27.6	173.0	1.32	352.4	0.243	<20	2.35	0.191	0.89	3.5	6.3	0.61	0.67	89	4.6	0.99	7.7	7.24	0.1	0.26
STD BVGEO01	Standard	25.5	172.0	1.33	323.0	0.229	<20	2.15	0.181	0.91	3.0	5.8	0.58	0.67	79	4.4	0.91	7.0	6.93	0.1	0.32
STD BVGEO01	Standard	27.2	174.8	1.31	337.6	0.233	<20	2.34	0.182	0.88	3.5	5.7	0.60	0.65	86	4.5	0.96	6.9	7.30	0.1	0.33
STD DS11	Standard	21.2	62.1	0.88	431.5	0.106	<20	1.25	0.083	0.43	2.7	3.8	5.46	0.29	257	2.4	4.87	5.2	3.21	<0.1	0.06
STD DS11	Standard	18.5	59.4	0.85	387.1	0.099	<20	1.19	0.073	0.41	2.6	3.4	4.84	0.27	244	2.0	4.40	4.7	2.90	<0.1	0.08
STD DS11	Standard	17.2	56.1	0.84	388.9	0.086	<20	1.13	0.070	0.39	2.5	3.2	4.96	0.28	231	2.0	4.55	5.0	2.88	<0.1	0.07
STD DS11	Standard	16.9	59.5	0.84	375.4	0.090	<20	1.15	0.073	0.39	2.4	3.0	4.80	0.29	249	2.2	4.39	4.9	2.76	0.1	0.04
STD GS311-1	Standard																				
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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_02
Report Date: December 19, 2019

QUALITY CONTROL REPORT VAN19003743.1

		AQ250 Nb ppm 0.02	AQ250 Rb ppm 0.1	AQ250 Sn ppm 0.1	AQ250 Ta ppm 0.05	AQ250 Zr ppm 0.1	AQ250 Y ppm 0.01	AQ250 Ce ppm 0.1	AQ250 In ppm 0.02	AQ250 Re ppb 1	AQ250 Be ppm 0.1	AQ250 Li ppm 0.1	AQ250 Pd ppb 10	AQ250 Pt ppb 2	LF300 SiO2 % 0.01	LF300 Al2O3 % 0.01	LF300 Fe2O3 % 0.04	LF300 MgO % 0.01	LF300 CaO % 0.01	LF300 Na2O % 0.01	LF300 K2O % 0.01
91-PMA-0419	Till Pulp	0.08	18.9	<0.1	<0.05	3.7	9.50	19.8	0.03	<1	0.3	21.4	<10	4	56.00	14.48	9.39	4.50	4.32	2.41	1.75
REP 91-PMA-0419	QC	0.09	19.3	0.2	<0.05	3.7	9.40	19.5	0.04	<1	0.4	22.7	13	3							
92-PMA-0005	Till Pulp	0.09	6.7	3.2	<0.05	9.6	10.37	31.8	0.05	4	0.4	11.7	<10	3	61.84	11.30	6.12	4.49	4.15	2.08	1.43
REP 92-PMA-0005	QC														61.45	11.46	6.14	4.56	4.21	2.10	1.43
92-PMA-0009	Till Pulp	0.04	5.9	2.2	<0.05	4.1	7.68	18.8	0.03	<1	0.4	10.4	<10	5	52.27	8.21	7.41	15.99	1.48	1.19	1.02
REP 92-PMA-0009	QC														52.27	8.21	7.42	15.98	1.48	1.19	1.02
92-PMA-0084	Till Pulp	0.07	10.4	1.6	<0.05	6.4	9.59	28.9	<0.02	<1	0.4	12.3	<10	<2	62.14	10.09	5.02	4.00	6.17	1.72	1.47
REP 92-PMA-0084	QC	0.07	10.5	1.1	<0.05	6.4	8.83	28.0	0.03	<1	0.4	12.6	<10	<2							
94-GBC-9073	Till Pulp	0.04	10.6	0.7	<0.05	7.5	14.54	36.3	0.04	<1	0.6	11.2	<10	<2	59.95	14.90	6.47	1.79	3.71	2.50	1.83
REP 94-GBC-9073	QC														60.01	14.88	6.47	1.77	3.68	2.52	1.82
97-PMA-0124	Till Pulp	0.06	4.9	14.4	<0.05	9.0	11.19	27.2	0.04	<1	0.4	6.9	<10	<2	67.18	13.53	5.40	1.21	2.94	3.34	1.69
REP 97-PMA-0124	QC	0.06	4.6	15.3	<0.05	9.1	11.11	25.7	0.05	<1	0.3	6.9	<10	<2							
91-GBC-9004	Till Pulp	0.38	14.3	0.3	<0.05	1.7	6.79	78.8	0.03	<1	0.5	35.7	<10	<2	62.74	16.19	6.58	2.12	1.26	1.68	2.83
REP 91-GBC-9004	QC	0.37	13.5	0.2	<0.05	1.2	6.60	74.1	0.02	<1	0.4	33.1	<10	3							
Reference Materials																					
STD BVGEO01	Standard	0.13	99.4	5.6	<0.05	7.7	14.96	56.8	0.45	3	0.6	22.3	125	192							
STD BVGEO01	Standard	0.18	93.8	5.8	<0.05	7.5	14.27	55.6	0.46	4	0.7	21.8	137	172							
STD BVGEO01	Standard	0.12	92.1	5.2	<0.05	7.7	13.15	51.3	0.47	3	0.7	20.2	139	186							
STD BVGEO01	Standard	0.14	95.8	5.5	<0.05	8.5	13.95	54.4	0.47	3	0.6	19.6	130	183							
STD DS11	Standard	1.58	37.6	1.9	<0.05	2.9	9.18	44.0	0.28	45	0.8	27.1	120	185							
STD DS11	Standard	1.18	33.8	1.6	<0.05	2.7	7.80	38.8	0.24	44	0.8	23.0	107	169							
STD DS11	Standard	1.45	32.7	1.5	<0.05	2.6	7.61	37.0	0.22	50	0.6	22.7	107	174							
STD DS11	Standard	1.19	32.4	1.5	<0.05	2.6	7.25	36.7	0.22	51	0.8	22.2	94	178							
STD GS311-1	Standard																				
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PHONE (604) 253-3158

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_02
Report Date: December 19, 2019

QUALITY CONTROL REPORT VAN19003743.1

		LF300 TiO2 % 0.01	LF300 P2O5 % 0.01	LF300 MnO % 0.01	LF300 Cr2O3 % 0.002	LF300 Cu ppm 5	LF300 Ba ppm 5	LF300 Zn ppm 5	LF300 Ni ppm 20	LF300 Co ppm 20	LF300 Sr ppm 2	LF300 Zr ppm 5	LF300 Ce ppm 30	LF300 Y ppm 3	LF300 Nb ppm 5	LF300 Sc ppm 1	LF300 LOI % -5.1	LF300 Sum % 0.01	TC000 TOT/C % 0.02	TC000 TOT/S % 0.02
91-PMA-0419	Till Pulp	0.90	0.29	0.16	0.019	139	635	97	45	25	350	116	<30	21	6	28	5.5	99.88	0.26	<0.02
REP 91-PMA-0419	QC																		0.27	<0.02
92-PMA-0005	Till Pulp	0.96	0.21	0.10	0.039	67	1041	91	196	<20	252	150	54	21	16	15	7.0	99.90	0.86	<0.02
REP 92-PMA-0005	QC	0.98	0.22	0.10	0.039	76	1058	96	209	21	256	148	<30	22	16	16	7.0	99.89		
92-PMA-0009	Till Pulp	0.60	0.12	0.15	0.126	47	599	81	1038	73	114	96	<30	15	6	14	10.9	99.74	0.65	<0.02
REP 92-PMA-0009	QC	0.60	0.13	0.14	0.127	47	594	85	1033	75	114	92	<30	14	<5	14	10.9	99.74		
92-PMA-0084	Till Pulp	0.64	0.17	0.10	0.035	59	949	94	163	21	153	121	38	20	8	13	8.2	99.93	1.50	<0.02
REP 92-PMA-0084	QC																		1.52	<0.02
94-GBC-9073	Till Pulp	0.89	0.26	0.15	0.014	36	884	96	36	<20	357	155	39	24	11	17	7.3	99.93	0.58	<0.02
REP 94-GBC-9073	QC	0.90	0.26	0.14	0.014	36	879	97	38	<20	356	151	43	23	8	17	7.3	99.95		
97-PMA-0124	Till Pulp	0.81	0.24	0.11	0.011	28	873	76	24	<20	421	163	40	22	6	14	3.3	99.95	0.17	<0.02
REP 97-PMA-0124	QC																		0.19	<0.02
91-GBC-9004	Till Pulp	0.91	0.17	0.07	0.017	76	609	87	42	<20	222	365	116	32	17	16	5.2	99.94	0.43	<0.02
REP 91-GBC-9004	QC																		0.41	<0.02
Reference Materials																				
STD BVGEO01	Standard																			
STD BVGEO01	Standard																			
STD BVGEO01	Standard																			
STD BVGEO01	Standard																			
STD DS11	Standard																			
STD DS11	Standard																			
STD DS11	Standard																			
STD DS11	Standard																			
STD GS311-1	Standard																		0.99	2.42
STD GS311-1	Standard																		0.97	2.46
STD GS311-1	Standard																		0.98	2.49
STD GS311-1	Standard																		1.00	2.39
STD GS311-1	Standard																		0.99	2.36
STD GS311-1	Standard																		0.97	2.32

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_02
Report Date: December 19, 2019

QUALITY CONTROL REPORT VAN19003743.1

		AQ250 Mo ppm 0.01	AQ250 Cu ppm 0.01	AQ250 Pb ppm 0.01	AQ250 Zn ppm 0.1	AQ250 Ag ppb 2	AQ250 Ni ppm 0.1	AQ250 Co ppm 0.1	AQ250 Mn ppm 1	AQ250 Fe % 0.01	AQ250 As ppm 0.1	AQ250 U ppm 0.1	AQ250 Au ppb 0.2	AQ250 Th ppm 0.1	AQ250 Sr ppm 0.5	AQ250 Cd ppm 0.01	AQ250 Sb ppm 0.02	AQ250 Bi ppm 0.02	AQ250 V ppm 1	AQ250 Ca % 0.01	AQ250 P % 0.001
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
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STD OREAS262	Standard	0.67	122.82	59.56	157.4	491	64.5	28.7	574	3.51	38.6	1.3	61.0	10.6	38.7	0.73	2.82	1.13	26	3.20	0.046
STD OREAS262	Standard	0.65	124.74	56.44	145.2	459	61.6	25.3	535	3.22	35.3	1.2	68.3	9.9	36.7	0.66	3.56	1.01	21	2.96	0.042
STD OREAS262	Standard	0.62	111.81	58.11	157.6	487	66.5	27.9	570	3.37	37.9	1.2	62.5	9.8	38.4	0.68	2.42	1.09	25	3.11	0.044
STD OREAS262	Standard	0.63	115.32	57.13	142.5	443	63.7	28.0	549	3.25	35.2	1.2	75.8	9.7	35.7	0.65	3.67	1.05	21	3.02	0.040
STD OREAS262	Standard	0.65	114.67	57.89	150.8	466	61.3	28.1	538	3.25	34.5	1.2	55.3	10.0	32.4	0.63	2.41	0.99	22	2.89	0.044
STD OREAS262	Standard	0.66	121.20	58.70	153.4	477	64.3	29.0	569	3.37	36.4	1.3	57.7	11.0	34.0	0.64	2.34	1.04	22	3.02	0.044
STD OREAS262	Standard	0.64	123.79	53.93	154.1	470	64.0	27.3	546	3.35	35.5	1.1	54.7	8.3	35.6	0.71	2.78	1.03	23	3.01	0.044
STD OREAS262	Standard	0.67	118.62	57.64	148.6	468	67.2	28.4	564	3.25	35.5	1.3	55.3	10.0	34.0	0.65	2.61	1.00	20	3.02	0.041
STD SO-19	Standard																				
STD SO-19	Standard																				
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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: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_02
Report Date: December 19, 2019

QUALITY CONTROL REPORT VAN19003743.1

		AQ250 La ppm 0.5	AQ250 Cr ppm 0.5	AQ250 Mg % 0.01	AQ250 Ba ppm 0.5	AQ250 Ti % 0.001	AQ250 B ppm 20	AQ250 Al % 0.01	AQ250 Na % 0.001	AQ250 K % 0.01	AQ250 W ppm 0.1	AQ250 Sc ppm 0.1	AQ250 Tl ppm 0.02	AQ250 S % 0.02	AQ250 Hg ppb 5	AQ250 Se ppm 0.1	AQ250 Te ppm 0.02	AQ250 Ga ppm 0.1	AQ250 Cs ppm 0.02	AQ250 Ge ppm 0.1	AQ250 Hf ppm 0.02
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD OREAS262	Standard	20.4	45.1	1.27	281.1	0.003	<20	1.47	0.077	0.37	<0.1	3.8	0.50	0.27	141	0.2	0.22	4.1	2.90	<0.1	0.16
STD OREAS262	Standard	18.5	43.9	1.17	249.7	0.002	<20	1.37	0.068	0.34	<0.1	3.4	0.47	0.25	184	0.3	0.25	4.2	2.89	<0.1	0.12
STD OREAS262	Standard	17.7	44.8	1.24	279.0	0.003	<20	1.43	0.076	0.35	<0.1	3.6	0.49	0.26	159	0.3	0.22	4.2	2.73	<0.1	0.14
STD OREAS262	Standard	18.3	42.9	1.18	255.0	0.003	<20	1.32	0.068	0.33	0.1	3.7	0.49	0.26	157	0.3	0.23	4.1	3.00	<0.1	0.12
STD OREAS262	Standard	16.8	41.5	1.16	244.7	0.003	<20	1.23	0.068	0.30	0.1	3.4	0.44	0.26	148	0.4	0.22	3.7	2.37	<0.1	0.22
STD OREAS262	Standard	20.3	43.7	1.21	264.2	0.003	<20	1.36	0.071	0.34	<0.1	3.5	0.47	0.28	162	0.3	0.21	4.0	2.54	<0.1	0.22
STD OREAS262	Standard	15.7	42.5	1.18	246.4	0.003	<20	1.24	0.071	0.31	0.1	3.1	0.49	0.27	175	0.5	0.23	3.9	2.35	<0.1	0.21
STD OREAS262	Standard	16.1	43.4	1.14	246.0	0.003	<20	1.19	0.067	0.30	0.1	3.3	0.45	0.24	157	0.3	0.21	3.9	2.34	<0.1	0.21
STD SO-19	Standard																				
STD SO-19	Standard																				
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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_02
Report Date: December 19, 2019

QUALITY CONTROL REPORT VAN19003743.1

		AQ250 Nb ppm 0.02	AQ250 Rb ppm 0.1	AQ250 Sn ppm 0.1	AQ250 Ta ppm 0.05	AQ250 Zr ppm 0.1	AQ250 Y ppm 0.01	AQ250 Ce ppm 0.1	AQ250 In ppm 0.02	AQ250 Re ppb 1	AQ250 Be ppm 0.1	AQ250 Li ppm 0.1	AQ250 Pd ppb 10	AQ250 Pt ppb 2	LF300 SiO2 % 0.01	LF300 Al2O3 % 0.01	LF300 Fe2O3 % 0.04	LF300 MgO % 0.01	LF300 CaO % 0.01	LF300 Na2O % 0.01	LF300 K2O % 0.01
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD OREAS262	Standard	<0.02	22.2	0.6	<0.05	7.3	12.08	40.1	0.04	2	1.1	18.1	<10	<2							
STD OREAS262	Standard	<0.02	20.4	0.4	<0.05	5.9	11.27	36.5	0.04	<1	1.2	17.6	<10	<2							
STD OREAS262	Standard	<0.02	20.5	0.5	<0.05	5.5	11.28	36.5	0.04	<1	1.1	18.4	<10	<2							
STD OREAS262	Standard	<0.02	20.1	0.2	<0.05	5.4	10.93	37.1	0.04	<1	1.2	18.6	<10	2							
STD OREAS262	Standard	<0.02	18.2	0.2	<0.05	7.9	10.62	34.1	0.03	<1	1.1	16.8	<10	<2							
STD OREAS262	Standard	<0.02	20.2	0.4	<0.05	7.3	11.03	40.5	0.03	1	1.1	18.7	<10	<2							
STD OREAS262	Standard	<0.02	17.0	0.4	<0.05	10.4	9.79	32.6	0.03	<1	0.9	16.7	<10	<2							
STD OREAS262	Standard	<0.02	18.4	0.3	<0.05	8.0	10.57	32.1	0.04	1	1.1	17.4	<10	<2							
STD SO-19	Standard														60.49	14.06	7.32	2.92	5.96	4.05	1.28
STD SO-19	Standard														60.27	14.12	7.45	2.92	5.98	4.04	1.30
STD SO-19	Standard														60.40	14.07	7.48	2.92	5.93	4.00	1.30
STD SO-19	Standard														60.52	13.99	7.44	2.91	5.94	4.03	1.29
STD SO-19	Standard														60.58	14.03	7.42	2.91	5.93	3.97	1.28
STD SO-19	Standard														60.28	14.06	7.46	2.93	5.95	4.12	1.30
STD SO-19	Standard														60.69	13.87	7.41	2.91	5.92	4.06	1.26
STD SO-19	Standard														60.30	14.06	7.51	2.94	6.01	3.99	1.28
STD SO-19	Standard														59.75	14.22	7.61	2.98	6.08	4.13	1.32
STD SO-19	Standard														60.44	14.02	7.48	2.93	5.96	3.97	1.30
STD SO-19	Standard														60.32	14.02	7.51	2.94	5.97	4.02	1.30

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_02
Report Date: December 19, 2019

QUALITY CONTROL REPORT VAN19003743.1

		LF300 TiO2 % 0.01	LF300 P2O5 % 0.01	LF300 MnO % 0.01	LF300 Cr2O3 % 0.002	LF300 Cu ppm 5	LF300 Ba ppm 5	LF300 Zn ppm 5	LF300 Ni ppm 20	LF300 Co ppm 20	LF300 Sr ppm 2	LF300 Zr ppm 5	LF300 Ce ppm 30	LF300 Y ppm 3	LF300 Nb ppm 5	LF300 Sc ppm 1	LF300 LOI % -5.1	LF300 Sum % 0.01	TC000 TOT/C % 0.02	TC000 TOT/S % 0.02
STD GS311-1	Standard																		1.00	2.44
STD GS311-1	Standard																		0.98	2.22
STD GS910-4	Standard																		2.75	8.56
STD GS910-4	Standard																		2.63	8.67
STD GS910-4	Standard																		2.65	8.55
STD GS910-4	Standard																		2.68	8.34
STD GS910-4	Standard																		2.66	8.30
STD GS910-4	Standard																		2.71	7.98
STD GS910-4	Standard																		2.72	8.73
STD GS910-4	Standard																		2.79	8.77
STD OREAS262	Standard																			
STD OREAS262	Standard																			
STD OREAS262	Standard																			
STD OREAS262	Standard																			
STD OREAS262	Standard																			
STD OREAS262	Standard																			
STD OREAS262	Standard																			
STD OREAS262	Standard																			
STD SO-19	Standard	0.71	0.33	0.13	0.499	69	468	82	470	24	321	113	151	35	67	26	1.9	99.91		
STD SO-19	Standard	0.71	0.32	0.13	0.502	69	470	85	473	24	321	117	160	35	71	26	1.9	99.90		
STD SO-19	Standard	0.70	0.32	0.13	0.507	66	470	87	480	26	315	115	158	34	69	27	1.9	99.90		
STD SO-19	Standard	0.70	0.31	0.13	0.500	64	467	82	478	23	315	114	157	35	67	27	1.9	99.90		
STD SO-19	Standard	0.70	0.32	0.13	0.499	64	468	85	478	22	315	115	151	35	72	26	1.9	99.90		
STD SO-19	Standard	0.70	0.32	0.13	0.501	66	469	82	478	25	316	114	163	35	74	26	1.9	99.90		
STD SO-19	Standard	0.69	0.31	0.13	0.493	64	461	92	464	20	312	113	145	35	73	26	1.9	99.91		
STD SO-19	Standard	0.70	0.32	0.13	0.501	64	465	90	474	22	316	117	146	34	73	27	1.9	99.90		
STD SO-19	Standard	0.71	0.32	0.13	0.498	63	474	89	483	26	320	112	155	35	72	27	1.9	99.90		
STD SO-19	Standard	0.70	0.32	0.13	0.500	65	470	82	472	25	313	101	153	35	71	26	1.9	99.89		
STD SO-19	Standard	0.71	0.32	0.13	0.501	66	474	83	478	23	318	114	146	36	71	27	1.9	99.90		

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_02
Report Date: December 19, 2019

QUALITY CONTROL REPORT VAN19003743.1

		AQ250 Mo ppm 0.01	AQ250 Cu ppm 0.01	AQ250 Pb ppm 0.01	AQ250 Zn ppm 0.1	AQ250 Ag ppb 2	AQ250 Ni ppm 0.1	AQ250 Co ppm 0.1	AQ250 Mn ppm 1	AQ250 Fe % 0.01	AQ250 As ppm 0.1	AQ250 U ppm 0.1	AQ250 Au ppb 0.2	AQ250 Th ppm 0.1	AQ250 Sr ppm 0.5	AQ250 Cd ppm 0.01	AQ250 Sb ppm 0.02	AQ250 Bi ppm 0.02	AQ250 V ppm 1	AQ250 Ca % 0.01	AQ250 P % 0.001
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD DS11 Expected		13.9	149	138	345	1710	77.7	14.2	1055	3.1	42.8	2.59	79	7.65	67.3	2.37	7.2	12.2	50	1.063	0.0701
STD BVGEO01 Expected		10.8	4415	187	1741	2530	163	25	733	3.7	121	3.77	219	14.4	55	6.5	2.2	25.6	73	1.3219	0.0727
STD OREAS262 Expected		0.68	118	56	154	450	62	26.9	530	3.284	35.8	1.22	65	9.33	36	0.61	3.39	1.03	22.5	2.98	0.04
STD SO-19 Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<0.01	0.02	<0.1	<2	<0.1	<0.1	<1	<0.01	0.2	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001
BLK	Blank	<0.01	0.02	0.03	<0.1	<2	0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001
BLK	Blank	<0.01	<0.01	0.03	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001
BLK	Blank	<0.01	<0.01	0.03	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001
BLK	Blank	<0.01	<0.01	0.02	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001
BLK	Blank	<0.01	<0.01	0.02	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001
BLK	Blank																				
BLK	Blank	<0.01	<0.01	0.03	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_02
Report Date: December 19, 2019

QUALITY CONTROL REPORT VAN19003743.1

		AQ250 La ppm 0.5	AQ250 Cr ppm 0.5	AQ250 Mg % 0.01	AQ250 Ba ppm 0.5	AQ250 Ti % 0.001	AQ250 B ppm 20	AQ250 Al % 0.01	AQ250 Na % 0.001	AQ250 K % 0.01	AQ250 W ppm 0.1	AQ250 Sc ppm 0.1	AQ250 Tl ppm 0.02	AQ250 S % 0.02	AQ250 Hg ppb 5	AQ250 Se ppm 0.1	AQ250 Te ppm 0.02	AQ250 Ga ppm 0.1	AQ250 Cs ppm 0.02	AQ250 Ge ppm 0.1	AQ250 Hf ppm 0.02
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD DS11 Expected		18.6	61.5	0.85	417	0.0976		1.129	0.0694	0.4	2.9	3.1	4.9	0.2835	260	2.2	4.56	4.7	2.88	0.08	0.06
STD BVGEO01 Expected		25.9	171	1.2963	340	0.233		2.347	0.1924	0.89	3.5	5.97	0.62	0.6655	100	4.84	1.02	7.37	7.36	0.15	0.32
STD OREAS262 Expected		15.9	41.7	1.17	248	0.003		1.204	0.071	0.312	0.13	3.24	0.47	0.253	170	0.4	0.23	3.73	2.8		0.27
STD SO-19 Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank																				
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_02
Report Date: December 19, 2019

QUALITY CONTROL REPORT VAN19003743.1

		AQ250 Nb ppm 0.02	AQ250 Rb ppm 0.1	AQ250 Sn ppm 0.1	AQ250 Ta ppm 0.05	AQ250 Zr ppm 0.1	AQ250 Y ppm 0.01	AQ250 Ce ppm 0.1	AQ250 In ppm 0.02	AQ250 Re ppb 1	AQ250 Be ppm 0.1	AQ250 Li ppm 0.1	AQ250 Pd ppb 10	AQ250 Pt ppb 2	LF300 SiO2 % 0.01	LF300 Al2O3 % 0.01	LF300 Fe2O3 % 0.04	LF300 MgO % 0.01	LF300 CaO % 0.01	LF300 Na2O % 0.01	LF300 K2O % 0.01
STD SO-19	Standard														60.59	13.89	7.48	2.89	5.92	4.03	1.30
STD SO-19	Standard														60.15	14.12	7.47	2.95	6.03	4.06	1.30
STD SO-19	Standard														60.53	13.98	7.46	2.90	5.92	4.01	1.29
STD SO-19	Standard														60.38	13.95	7.48	2.92	6.00	4.07	1.30
STD SO-19	Standard														60.57	13.89	7.46	2.91	5.94	4.04	1.28
STD SO-19	Standard														60.52	13.92	7.47	2.89	5.92	4.07	1.31
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD DS11 Expected		1.2	33.6	1.8		2.4	7.82	37	0.24	50	0.67	23.3	100	172							
STD BVGEO01 Expected		0.23	95	5.64		9.1	14.5	53	0.47	4	0.69	21.4	134	182							
STD OREAS262 Expected			18.6	0.5		8.3	11.2	32	0.033		1.14	17.8									
STD SO-19 Expected															61.13	13.95	7.47	2.88	6	4.11	1.29
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank														0.03	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01
BLK	Blank	<0.02	<0.1	<0.1	<0.05	0.2	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							
BLK	Blank	<0.02	<0.1	<0.1	<0.05	0.3	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							
BLK	Blank	<0.02	<0.1	<0.1	<0.05	0.3	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							
BLK	Blank	<0.02	<0.1	<0.1	<0.05	0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							
BLK	Blank	<0.02	<0.1	<0.1	<0.05	0.2	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							
BLK	Blank	<0.02	<0.1	<0.1	<0.05	0.2	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							
BLK	Blank														<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01
BLK	Blank	<0.02	<0.1	<0.1	<0.05	0.2	<0.01	<0.1	<0.02	1	<0.1	<0.1	<10	<2							

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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: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_02
Report Date: December 19, 2019

QUALITY CONTROL REPORT VAN19003743.1

		LF300 TiO2 % 0.01	LF300 P2O5 % 0.01	LF300 MnO % 0.01	LF300 Cr2O3 % 0.002	LF300 Cu ppm 5	LF300 Ba ppm 5	LF300 Zn ppm 5	LF300 Ni ppm 20	LF300 Co ppm 20	LF300 Sr ppm 2	LF300 Zr ppm 5	LF300 Ce ppm 30	LF300 Y ppm 3	LF300 Nb ppm 5	LF300 Sc ppm 1	LF300 LOI % -5.1	LF300 Sum % 0.01	TC000 TOT/C % 0.02	TC000 TOT/S % 0.02
STD SO-19	Standard	0.70	0.32	0.13	0.494	66	477	84	480	26	317	117	159	35	75	27	1.9	99.91		
STD SO-19	Standard	0.71	0.32	0.13	0.499	69	471	85	474	26	321	117	162	35	70	27	1.9	99.90		
STD SO-19	Standard	0.70	0.31	0.13	0.506	68	474	90	481	26	316	116	165	35	72	26	1.9	99.91		
STD SO-19	Standard	0.71	0.32	0.13	0.496	64	466	84	467	25	314	115	152	35	69	26	1.9	99.91		
STD SO-19	Standard	0.70	0.33	0.13	0.496	68	468	82	475	22	313	116	161	35	75	27	1.9	99.91		
STD SO-19	Standard	0.70	0.33	0.13	0.498	68	469	84	476	23	314	116	162	35	69	27	1.9	99.91		
STD GS311-1 Expected																			1.02	2.35
STD GS910-4 Expected																			2.65	8.27
STD DS11 Expected																				
STD BVGEO01 Expected																				
STD OREAS262 Expected																				
STD SO-19 Expected		0.69	0.32	0.13	0.5	69	486	75	470	24	317.1	112	161	35.5	68.5	27				
BLK	Blank																		<0.02	<0.02
BLK	Blank																		<0.02	<0.02
BLK	Blank																		<0.02	<0.02
BLK	Blank																		<0.02	<0.02
BLK	Blank																		<0.02	<0.02
BLK	Blank																		<0.02	<0.02
BLK	Blank																		<0.02	<0.02
BLK	Blank																		<0.02	<0.02
BLK	Blank	<0.01	<0.01	<0.01	<0.002	6	<5	<5	<20	<20	<2	<5	<30	<3	<5	<1	0.0	<0.01		
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank	<0.01	<0.01	<0.01	<0.002	<5	<5	<5	<20	<20	<2	<5	<30	<3	<5	<1	0.0	<0.01		
BLK	Blank																			

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_02
Report Date: December 19, 2019

QUALITY CONTROL REPORT VAN19003743.1

		AQ250 Mo ppm 0.01	AQ250 Cu ppm 0.01	AQ250 Pb ppm 0.01	AQ250 Zn ppm 0.1	AQ250 Ag ppb 2	AQ250 Ni ppm 0.1	AQ250 Co ppm 0.1	AQ250 Mn ppm 1	AQ250 Fe % 0.01	AQ250 As ppm 0.1	AQ250 U ppm 0.1	AQ250 Au ppb 0.2	AQ250 Th ppm 0.1	AQ250 Sr ppm 0.5	AQ250 Cd ppm 0.01	AQ250 Sb ppm 0.02	AQ250 Bi ppm 0.02	AQ250 V ppm 1	AQ250 Ca % 0.01	AQ250 P % 0.001
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<0.01	0.03	<0.1	<2	0.1	<0.1	1	<0.01	0.2	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001
BLK	Blank																				
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BLK	Blank																				
BLK	Blank																				
BLK	Blank																				

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Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_02
Report Date: December 19, 2019

QUALITY CONTROL REPORT VAN19003743.1

		AQ250 La ppm 0.5	AQ250 Cr ppm 0.5	AQ250 Mg % 0.01	AQ250 Ba ppm 0.5	AQ250 Ti % 0.001	AQ250 B ppm 20	AQ250 Al % 0.01	AQ250 Na % 0.001	AQ250 K % 0.01	AQ250 W ppm 0.1	AQ250 Sc ppm 0.1	AQ250 Tl ppm 0.02	AQ250 S % 0.02	AQ250 Hg ppb 5	AQ250 Se ppm 0.1	AQ250 Te ppm 0.02	AQ250 Ga ppm 0.1	AQ250 Cs ppm 0.02	AQ250 Ge ppm 0.1	AQ250 Hf ppm 0.02
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	6	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank																				
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BLK	Blank																				
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Report Date: December 19, 2019

QUALITY CONTROL REPORT VAN19003743.1

		AQ250 Nb ppm 0.02	AQ250 Rb ppm 0.1	AQ250 Sn ppm 0.1	AQ250 Ta ppm 0.05	AQ250 Zr ppm 0.1	AQ250 Y ppm 0.01	AQ250 Ce ppm 0.1	AQ250 In ppm 0.02	AQ250 Re ppb 1	AQ250 Be ppm 0.1	AQ250 Li ppm 0.1	AQ250 Pd ppb 10	AQ250 Pt ppb 2	LF300 SiO2 % 0.01	LF300 Al2O3 % 0.01	LF300 Fe2O3 % 0.04	LF300 MgO % 0.01	LF300 CaO % 0.01	LF300 Na2O % 0.01	LF300 K2O % 0.01
BLK	Blank														0.02	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01
BLK	Blank														<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01
BLK	Blank	<0.02	<0.1	<0.1	<0.05	0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							
BLK	Blank														0.02	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01
BLK	Blank														0.06	0.02	<0.04	<0.01	<0.01	<0.01	<0.01
BLK	Blank														<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01
BLK	Blank														<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01
BLK	Blank														0.07	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01

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Project: BG_RE_02
Report Date: December 19, 2019

QUALITY CONTROL REPORT VAN19003743.1

		LF300 TiO2 % 0.01	LF300 P2O5 % 0.01	LF300 MnO % 0.01	LF300 Cr2O3 % 0.002	LF300 Cu ppm 5	LF300 Ba ppm 5	LF300 Zn ppm 5	LF300 Ni ppm 20	LF300 Co ppm 20	LF300 Sr ppm 2	LF300 Zr ppm 5	LF300 Ce ppm 30	LF300 Y ppm 3	LF300 Nb ppm 5	LF300 Sc ppm 1	LF300 LOI % -5.1	LF300 Sum % 0.01	TC000 TOT/C % 0.02	TC000 TOT/S % 0.02
BLK	Blank	<0.01	<0.01	<0.01	<0.002	<5	<5	<5	<20	<20	<2	<5	<30	<3	<5	<1	0.0	<0.01		
BLK	Blank	<0.01	<0.01	<0.01	<0.002	<5	<5	<5	<20	<20	<2	<5	<30	<3	<5	<1	0.0	<0.01		
BLK	Blank																			
BLK	Blank	<0.01	<0.01	<0.01	<0.002	<5	<5	<5	<20	<20	<2	<5	<30	<3	<5	<1	0.0	<0.01		
BLK	Blank	<0.01	<0.01	<0.01	<0.002	<5	<5	<5	<20	<20	<2	<5	<30	<3	<5	<1	0.0	0.07		
BLK	Blank	<0.01	<0.01	<0.01	<0.002	7	<5	<5	<20	<20	<2	<5	<30	<3	<5	<1	0.0	<0.01		
BLK	Blank	<0.01	<0.01	<0.01	<0.002	<5	<5	<5	<20	<20	<2	<5	<30	<3	<5	<1	0.0	<0.01		
BLK	Blank	<0.01	<0.01	<0.01	<0.002	5	<5	6	<20	<20	<2	<5	<30	<3	<5	<1	0.0	0.05		

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Submitted By:	Wayne Jackaman
Receiving Lab:	Canada-Vancouver
Received:	January 19, 2021
Analysis Start:	February 05, 2021
Report Date:	March 10, 2021
Page:	1 of 5

CERTIFICATE OF ANALYSIS VAN21000089.1

CLIENT JOB INFORMATION

Project:	BG_RE_03
Shipment ID:	
P.O. Number	
Number of Samples:	116

SAMPLE DISPOSAL

IMM-PLP Return immediately after analysis

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
SLBHP	116	Sorting, labeling and boxing samples received as pulps			VAN
AQ250_EXT	112	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	0.5	Completed	VAN
LF302-EXT	112	LiBO2/LiB4O7 fusion ICP-ES analysis	0.2	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Noble Exploration Services Ltd.
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1
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: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_03
Report Date: March 10, 2021

CERTIFICATE OF ANALYSIS VAN21000089.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
21-PMA-000-1	Till Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
91-PMA-069-2	Till Pulp	1.06	50.49	9.24	89.0	101	38.2	13.4	685	3.56	10.6	0.6	1.1	2.7	52.3	0.20	0.69	0.13	77	0.63	0.102
91-PMA-073-2	Till Pulp	1.01	41.49	8.33	79.1	77	34.3	15.2	820	3.41	10.8	0.5	0.6	2.8	76.3	0.28	0.62	0.11	76	1.68	0.111
91-PMA-073-3	Till Pulp	0.92	39.80	8.57	79.7	77	34.0	14.6	902	3.53	10.3	0.5	1.6	2.8	60.6	0.30	0.62	0.11	78	0.86	0.110
91-PMA-073-4	Till Pulp	1.01	41.30	9.24	77.7	63	33.8	14.9	903	3.58	11.0	0.6	1.4	2.9	66.1	0.21	0.61	0.11	79	0.80	0.113
91-PMA-082-2	Till Pulp	1.17	52.35	8.90	75.7	116	52.1	17.0	1077	3.47	9.5	0.6	0.8	3.3	65.3	0.37	0.43	0.10	89	0.84	0.172
91-PMA-083-2	Till Pulp	2.65	43.10	12.30	124.0	101	29.8	13.6	800	3.25	13.5	0.5	1.7	2.3	59.3	0.61	0.82	0.16	68	1.54	0.101
91-PMA-085-2	Till Pulp	4.60	64.80	14.90	157.8	129	35.0	14.5	786	3.88	19.4	0.6	1.6	2.4	98.7	1.00	1.05	0.28	93	2.74	0.113
91-PMA-103-2	Till Pulp	1.58	68.40	8.34	89.6	102	356.8	32.3	729	3.91	13.0	0.5	1.8	3.0	31.0	0.32	1.59	0.15	80	0.51	0.067
21-PMA-000-2	Till Pulp	1.49	95.03	5.72	73.3	90	40.2	24.5	1039	4.52	13.9	1.0	2.4	1.2	55.4	0.30	0.32	0.15	138	1.33	0.075
91-PMA-205-2	Till Pulp	1.51	77.38	13.83	91.4	130	62.1	20.8	996	3.59	13.4	0.5	2.6	3.2	65.1	0.50	0.93	0.16	87	1.64	0.099
91-PMA-205-3	Till Pulp	1.56	75.94	12.03	86.7	131	66.9	21.0	1002	3.50	13.2	0.5	11.4	3.3	71.1	0.56	0.86	0.16	90	1.82	0.101
91-PMA-210-2	Till Pulp	0.58	33.19	3.45	32.3	34	20.6	7.7	351	2.08	5.8	0.5	5.4	2.2	46.9	0.14	0.57	0.06	70	0.83	0.110
91-PMA-210-3	Till Pulp	0.54	37.11	3.73	32.7	37	22.2	8.3	393	2.27	6.3	0.5	1.8	2.2	49.6	0.16	0.54	0.06	77	0.76	0.120
91-PMA-239-2	Till Pulp	0.98	105.74	21.36	88.0	147	30.3	18.4	896	3.87	13.9	0.6	6.3	4.3	64.7	0.31	1.00	0.14	119	0.99	0.146
91-PMA-239-3	Till Pulp	1.12	102.13	18.07	92.1	129	41.1	23.1	1507	4.16	15.7	0.7	5.8	3.8	95.7	0.35	1.05	0.12	118	1.08	0.138
91-PMA-239-4	Till Pulp	0.89	97.23	14.76	86.3	72	45.9	19.6	1097	4.06	14.8	0.7	3.4	4.2	72.7	0.22	1.09	0.13	117	0.89	0.130
91-PMA-298-2	Till Pulp	0.60	57.81	5.21	59.7	52	29.5	15.4	773	3.43	5.9	0.6	3.3	3.6	68.9	0.25	0.57	0.07	109	0.92	0.144
91-PMA-314-2	Till Pulp	0.97	67.52	6.39	63.6	119	57.1	16.3	733	3.11	10.4	0.7	1.8	3.9	63.8	0.35	0.68	0.14	79	1.41	0.113
91-PMA-314-3	Till Pulp	0.88	66.62	7.80	73.9	123	64.4	17.2	758	3.31	10.1	0.8	3.1	4.5	58.1	0.30	0.75	0.18	76	1.25	0.107
21-PMA-000-3	Till Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
91-PMA-323-2	Till Pulp	2.97	79.97	15.60	123.2	315	82.9	20.6	987	3.89	17.6	0.7	4.1	5.3	52.2	0.88	1.82	0.19	89	0.81	0.126
91-PMA-328-2	Till Pulp	0.84	75.15	7.29	50.1	108	29.6	14.7	694	3.23	7.5	0.9	4.1	5.4	80.9	0.25	0.55	0.22	96	1.57	0.131
91-PMA-328-3	Till Pulp	0.72	74.57	7.37	50.0	136	28.7	15.0	650	3.17	7.8	0.9	5.9	5.1	81.3	0.25	0.56	0.25	95	1.69	0.132
21-PMA-000-4	Till Pulp	0.68	44.41	14.50	66.5	228	18.8	13.6	1124	3.18	16.2	0.9	4.7	3.4	11.2	0.22	5.59	2.12	56	0.33	0.082
91-PMA-328-4	Till Pulp	0.69	70.21	7.25	49.1	126	32.4	14.5	631	3.10	7.6	0.8	7.8	5.0	81.0	0.23	0.59	0.24	92	1.75	0.129
91-PMA-329-2	Till Pulp	1.01	73.82	8.36	48.0	95	21.3	14.8	703	3.08	2.7	1.3	7.3	8.4	70.2	0.20	0.32	0.17	96	1.14	0.137
91-PMA-329-3	Till Pulp	0.77	61.74	7.81	46.9	89	22.2	13.9	633	2.90	3.1	1.1	5.4	8.6	64.2	0.15	0.33	0.18	88	1.06	0.129
91-PMA-329-4	Till Pulp	0.64	61.79	8.18	47.9	124	20.5	14.2	709	2.97	2.6	0.9	23.2	8.3	61.4	0.17	0.31	0.17	92	1.03	0.139
91-PMA-329-5	Till Pulp	0.97	66.73	6.32	62.5	113	57.1	16.5	746	3.16	10.2	0.8	2.9	3.9	65.8	0.37	0.73	0.13	80	1.45	0.111

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_03
Report Date: March 10, 2021

CERTIFICATE OF ANALYSIS VAN21000089.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
21-PMA-000-1	Till Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
91-PMA-069-2	Till Pulp	13.7	48.0	0.72	238.7	0.077	<20	1.78	0.030	0.15	<0.1	7.9	0.14	<0.02	77	0.3	0.04	5.3	1.40	<0.1	0.14
91-PMA-073-2	Till Pulp	13.5	40.4	0.77	249.9	0.088	<20	1.66	0.028	0.18	<0.1	7.9	0.16	<0.02	60	<0.1	<0.02	5.1	1.66	<0.1	0.14
91-PMA-073-3	Till Pulp	14.1	41.1	0.72	241.7	0.087	<20	1.72	0.031	0.17	<0.1	7.7	0.15	<0.02	71	<0.1	0.03	5.3	1.65	<0.1	0.15
91-PMA-073-4	Till Pulp	14.4	42.3	0.72	258.9	0.098	<20	1.78	0.031	0.16	<0.1	8.6	0.14	<0.02	70	0.1	0.03	5.4	1.65	<0.1	0.22
91-PMA-082-2	Till Pulp	20.8	60.7	0.91	220.5	0.110	<20	1.34	0.046	0.16	<0.1	6.7	0.20	<0.02	42	<0.1	0.02	4.5	1.32	0.1	0.04
91-PMA-083-2	Till Pulp	11.1	35.6	0.62	132.2	0.071	<20	1.33	0.028	0.15	0.1	6.9	0.19	<0.02	47	0.8	0.04	4.4	1.68	<0.1	0.18
91-PMA-085-2	Till Pulp	11.5	74.1	1.16	161.2	0.100	<20	1.99	0.050	0.28	0.4	9.0	0.23	<0.02	41	0.3	0.07	6.0	2.21	<0.1	0.16
91-PMA-103-2	Till Pulp	10.9	231.4	3.15	147.6	0.097	<20	2.03	0.023	0.13	<0.1	7.6	0.18	<0.02	59	0.1	0.06	5.8	1.55	<0.1	0.12
21-PMA-000-2	Till Pulp	6.4	50.9	1.11	64.7	0.250	<20	2.76	0.036	0.06	0.1	7.5	0.06	0.17	84	1.2	0.09	7.6	0.59	<0.1	0.10
91-PMA-205-2	Till Pulp	12.8	59.6	1.03	187.9	0.096	<20	1.85	0.024	0.12	0.1	8.8	0.15	<0.02	134	0.3	0.05	5.6	1.21	<0.1	0.16
91-PMA-205-3	Till Pulp	13.5	59.1	1.03	192.5	0.107	<20	1.87	0.026	0.13	<0.1	9.0	0.15	<0.02	139	0.2	0.04	5.8	1.25	<0.1	0.15
91-PMA-210-2	Till Pulp	11.3	32.7	0.44	73.0	0.124	<20	0.99	0.026	0.05	0.2	4.4	0.03	<0.02	124	0.1	<0.02	3.3	0.43	<0.1	0.18
91-PMA-210-3	Till Pulp	11.3	36.0	0.43	81.5	0.126	<20	1.11	0.025	0.05	0.2	5.5	0.03	<0.02	50	0.2	<0.02	3.6	0.42	<0.1	0.21
91-PMA-239-2	Till Pulp	12.6	48.1	0.93	282.5	0.133	<20	1.93	0.040	0.17	0.2	8.4	0.08	<0.02	111	<0.1	0.05	6.5	1.55	0.1	0.14
91-PMA-239-3	Till Pulp	12.2	52.1	1.13	253.0	0.177	<20	2.07	0.029	0.20	0.2	10.5	0.12	<0.02	205	0.1	0.07	6.7	4.42	<0.1	0.21
91-PMA-239-4	Till Pulp	13.5	59.0	1.00	264.8	0.129	<20	2.02	0.030	0.14	0.1	9.7	0.11	<0.02	205	0.2	0.05	6.7	1.92	<0.1	0.15
91-PMA-298-2	Till Pulp	15.3	54.0	0.85	107.0	0.154	<20	1.73	0.025	0.12	0.1	9.2	0.08	<0.02	47	0.2	0.02	5.9	1.07	0.1	0.19
91-PMA-314-2	Till Pulp	13.1	59.1	1.02	158.9	0.100	<20	1.40	0.023	0.13	0.1	6.2	0.10	<0.02	97	0.3	0.04	4.6	1.18	0.1	0.20
91-PMA-314-3	Till Pulp	14.0	62.9	1.14	180.8	0.093	<20	1.54	0.020	0.14	0.2	6.4	0.11	<0.02	133	0.3	0.03	5.0	1.19	<0.1	0.17
21-PMA-000-3	Till Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
91-PMA-323-2	Till Pulp	18.8	68.8	0.94	217.6	0.105	<20	1.87	0.020	0.16	0.2	9.5	0.20	<0.02	140	0.7	0.07	5.7	1.36	<0.1	0.10
91-PMA-328-2	Till Pulp	15.8	38.6	0.80	134.8	0.095	<20	1.34	0.028	0.18	0.3	6.1	0.08	<0.02	91	<0.1	0.03	4.6	1.38	<0.1	0.11
91-PMA-328-3	Till Pulp	14.7	39.2	0.81	148.5	0.093	<20	1.28	0.029	0.18	0.2	5.7	0.09	<0.02	88	0.1	0.07	4.3	1.27	<0.1	0.13
21-PMA-000-4	Till Pulp	20.4	28.2	0.56	83.6	0.083	<20	1.73	0.032	0.06	0.1	5.0	0.12	<0.02	99	0.4	0.04	6.4	0.64	<0.1	0.03
91-PMA-328-4	Till Pulp	15.2	38.0	0.77	186.8	0.091	<20	1.22	0.027	0.15	0.4	5.8	0.08	<0.02	75	<0.1	0.05	4.4	1.24	<0.1	0.15
91-PMA-329-2	Till Pulp	17.6	43.3	0.89	192.0	0.116	<20	1.45	0.029	0.30	0.2	6.1	0.11	<0.02	60	0.2	0.04	5.1	1.75	<0.1	0.14
91-PMA-329-3	Till Pulp	18.3	40.3	0.84	177.2	0.112	<20	1.35	0.027	0.26	0.2	5.4	0.10	<0.02	81	0.3	0.03	4.7	1.59	<0.1	0.12
91-PMA-329-4	Till Pulp	17.5	38.6	0.83	171.3	0.111	<20	1.35	0.025	0.27	0.2	5.7	0.11	<0.02	63	<0.1	0.05	4.7	1.75	<0.1	0.13
91-PMA-329-5	Till Pulp	13.8	59.2	1.04	160.0	0.102	<20	1.46	0.022	0.14	0.1	6.3	0.11	<0.02	77	0.2	0.03	4.6	1.19	<0.1	0.12

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Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_03
Report Date: March 10, 2021

CERTIFICATE OF ANALYSIS VAN21000089.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%	%	%	%	%	%
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01
21-PMA-000-1	Till Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
91-PMA-069-2	Till Pulp	0.07	9.6	0.5	<0.05	6.1	12.29	25.4	0.03	<1	0.5	12.4	<10	<2	63.50	14.28	6.58	2.09	2.52	2.47	1.46
91-PMA-073-2	Till Pulp	0.06	11.9	0.5	<0.05	6.9	11.40	28.1	0.03	<1	0.6	12.8	<10	<2	62.87	13.38	6.19	1.99	3.82	2.60	1.46
91-PMA-073-3	Till Pulp	0.05	10.9	0.7	<0.05	7.0	11.18	29.2	0.04	<1	0.8	11.9	<10	<2	64.09	14.07	6.33	1.92	2.75	2.63	1.50
91-PMA-073-4	Till Pulp	0.10	10.1	0.8	<0.05	9.4	11.47	29.4	0.04	<1	0.5	11.8	<10	<2	64.01	14.00	6.43	1.86	2.56	2.60	1.47
91-PMA-082-2	Till Pulp	0.05	11.0	0.7	<0.05	4.1	12.85	43.3	0.03	<1	0.2	9.1	<10	3	60.42	13.79	7.43	3.29	4.56	3.04	1.75
91-PMA-083-2	Till Pulp	0.06	9.0	0.5	<0.05	6.8	10.15	23.0	0.02	<1	0.3	9.9	<10	<2	63.91	13.55	6.08	1.79	3.94	2.83	1.65
91-PMA-085-2	Till Pulp	0.05	13.4	0.7	<0.05	5.8	11.14	23.3	0.03	2	0.4	16.3	<10	3	58.45	13.48	7.06	3.09	5.54	2.41	1.75
91-PMA-103-2	Till Pulp	0.04	10.7	0.7	<0.05	5.9	9.28	23.4	0.03	<1	0.3	14.7	<10	3	60.11	12.05	7.18	7.70	2.27	1.69	1.42
21-PMA-000-2	Till Pulp	0.74	3.0	0.5	<0.05	5.1	10.41	15.0	0.04	<1	0.4	7.2	<10	2	45.53	13.66	10.75	4.27	6.49	2.06	0.74
91-PMA-205-2	Till Pulp	0.07	8.2	6.7	<0.05	7.0	11.19	26.1	0.03	1	0.4	13.1	<10	3	61.43	13.78	6.55	2.65	3.89	2.42	1.83
91-PMA-205-3	Till Pulp	0.05	8.7	5.1	<0.05	7.1	11.25	27.1	0.03	<1	0.6	13.5	12	4	62.27	13.31	6.23	2.56	4.07	2.48	1.78
91-PMA-210-2	Till Pulp	0.09	2.8	0.4	<0.05	6.7	7.86	21.4	0.02	<1	0.3	5.9	<10	<2	68.44	12.53	4.49	1.88	4.01	3.25	1.81
91-PMA-210-3	Till Pulp	0.07	2.9	0.3	<0.05	6.5	8.19	21.7	<0.02	<1	0.3	5.3	<10	2	68.39	12.57	4.73	1.75	3.72	3.21	1.82
91-PMA-239-2	Till Pulp	0.08	12.8	3.0	<0.05	5.9	11.01	25.8	0.03	<1	0.4	11.8	<10	3	59.97	14.39	7.54	2.67	3.93	2.80	2.52
91-PMA-239-3	Till Pulp	0.08	14.5	3.8	<0.05	8.4	11.36	25.0	0.03	<1	0.5	16.6	12	2	58.69	14.81	7.72	3.03	3.41	2.48	2.86
91-PMA-239-4	Till Pulp	0.07	10.7	1.9	<0.05	6.6	12.14	25.8	0.04	<1	0.7	13.9	<10	2	60.56	14.47	7.44	2.63	3.27	2.61	2.49
91-PMA-298-2	Till Pulp	0.07	7.4	0.4	<0.05	8.1	10.68	28.6	<0.02	<1	0.5	11.5	<10	3	61.37	14.48	6.71	2.44	3.93	3.04	2.29
91-PMA-314-2	Till Pulp	0.12	8.8	0.3	<0.05	7.1	9.32	25.3	0.02	1	0.4	11.5	<10	3	64.01	12.62	6.12	2.78	4.11	2.59	1.88
91-PMA-314-3	Till Pulp	0.16	9.4	0.4	<0.05	6.6	9.63	26.8	0.03	1	0.2	13.4	<10	<2	62.34	13.44	6.52	3.07	3.73	2.48	1.97
21-PMA-000-3	Till Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
91-PMA-323-2	Till Pulp	0.05	11.2	4.8	<0.05	5.6	11.89	35.1	<0.02	<1	0.4	15.1	<10	3	63.09	13.78	6.90	2.53	2.70	2.10	2.09
91-PMA-328-2	Till Pulp	0.06	9.7	0.3	<0.05	4.3	9.35	28.3	<0.02	<1	0.2	9.8	<10	2	63.15	13.17	6.46	2.26	4.69	2.91	2.18
91-PMA-328-3	Till Pulp	0.05	9.2	0.3	<0.05	4.0	8.88	26.0	<0.02	<1	0.3	9.3	<10	2	62.88	13.04	6.56	2.33	5.01	2.91	2.17
21-PMA-000-4	Till Pulp	0.80	6.2	1.0	<0.05	1.5	13.46	53.8	0.05	<1	0.5	9.6	<10	<2	60.47	13.75	7.00	2.19	2.73	2.72	2.15
91-PMA-328-4	Till Pulp	0.07	8.3	0.4	<0.05	4.1	9.27	27.5	0.02	<1	0.3	9.6	<10	3	63.52	12.76	6.32	2.22	4.95	2.89	2.08
91-PMA-329-2	Till Pulp	0.11	18.0	3.2	<0.05	3.6	8.60	32.3	0.02	<1	0.4	14.7	<10	<2	60.54	14.49	6.66	2.96	4.85	3.11	2.78
91-PMA-329-3	Till Pulp	0.13	15.8	2.4	<0.05	3.8	8.63	32.9	<0.02	<1	0.4	14.4	<10	2	61.76	14.20	6.38	2.74	4.59	3.17	2.66
91-PMA-329-4	Till Pulp	0.11	16.4	2.3	<0.05	3.8	8.79	32.5	0.02	<1	0.3	14.2	14	<2	61.69	14.07	6.56	2.75	4.62	3.10	2.67
91-PMA-329-5	Till Pulp	0.11	9.1	0.3	<0.05	5.9	9.29	26.2	0.02	<1	0.3	12.2	<10	3	63.85	12.71	6.13	2.79	4.12	2.60	1.89

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Project: BG_RE_03
Report Date: March 10, 2021

CERTIFICATE OF ANALYSIS VAN21000089.1

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
	Analyte	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
	Unit	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	MDL	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3	5	1	-5.1	0.01	0.02	0.02
21-PMA-000-1	Till Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
91-PMA-069-2	Till Pulp	0.87	0.24	0.11	0.017	55	754	100	47	<20	333	152	<30	24	11	18	5.6	99.93	0.35	<0.02
91-PMA-073-2	Till Pulp	0.90	0.26	0.12	0.015	48	753	90	38	<20	362	150	38	22	6	16	6.2	99.95	0.59	<0.02
91-PMA-073-3	Till Pulp	0.91	0.27	0.13	0.015	44	770	93	41	<20	369	167	38	23	9	16	5.2	99.94	0.29	<0.02
91-PMA-073-4	Till Pulp	0.93	0.26	0.13	0.015	47	778	88	44	<20	362	168	38	23	9	16	5.5	99.94	0.41	<0.02
91-PMA-082-2	Till Pulp	0.99	0.40	0.17	0.022	63	1258	95	70	23	737	222	51	24	11	18	3.8	99.91	0.20	<0.02
91-PMA-083-2	Till Pulp	0.76	0.24	0.12	0.015	49	729	137	36	<20	372	153	<30	22	8	16	4.9	99.93	0.52	<0.02
91-PMA-085-2	Till Pulp	0.79	0.26	0.12	0.020	73	660	175	40	<20	369	135	30	21	8	19	6.8	99.90	0.85	<0.02
91-PMA-103-2	Till Pulp	0.71	0.16	0.11	0.054	78	1029	103	394	34	203	144	<30	20	9	17	6.2	99.85	0.32	<0.02
21-PMA-000-2	Till Pulp	1.32	0.19	0.21	0.027	109	269	105	61	32	268	274	<30	26	11	30	14.5	99.88	4.45	0.18
91-PMA-205-2	Till Pulp	0.75	0.23	0.15	0.020	87	955	103	71	24	343	130	30	22	9	18	6.0	99.92	0.56	<0.02
91-PMA-205-3	Till Pulp	0.74	0.24	0.14	0.019	80	941	95	73	<20	353	127	39	21	7	17	5.9	99.93	0.55	<0.02
91-PMA-210-2	Till Pulp	0.78	0.26	0.08	0.018	43	916	42	28	<20	489	184	37	21	9	15	2.2	99.94	0.07	<0.02
91-PMA-210-3	Till Pulp	0.79	0.27	0.09	0.020	38	941	44	26	<20	493	197	32	21	13	16	2.4	99.94	0.08	<0.02
91-PMA-239-2	Till Pulp	0.74	0.34	0.15	0.014	113	1122	104	37	21	421	146	32	20	10	18	4.6	99.91	0.12	<0.02
91-PMA-239-3	Till Pulp	0.77	0.31	0.22	0.015	104	1058	104	44	23	412	129	<30	19	7	19	5.4	99.92	0.17	<0.02
91-PMA-239-4	Till Pulp	0.75	0.30	0.17	0.016	99	1063	97	50	21	386	148	45	21	11	19	5.0	99.92	0.18	<0.02
91-PMA-298-2	Till Pulp	0.80	0.35	0.13	0.017	65	1105	77	37	<20	529	158	33	22	9	20	4.2	99.92	0.11	<0.02
91-PMA-314-2	Till Pulp	0.73	0.26	0.12	0.021	72	888	76	65	<20	355	149	38	21	7	16	4.5	99.92	0.50	<0.02
91-PMA-314-3	Till Pulp	0.76	0.25	0.12	0.021	100	932	92	78	<20	327	202	40	21	10	16	5.0	99.92	0.54	<0.02
21-PMA-000-3	Till Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
91-PMA-323-2	Till Pulp	0.78	0.30	0.14	0.024	84	1282	134	93	20	303	151	45	24	10	19	5.2	99.91	0.23	<0.02
91-PMA-328-2	Till Pulp	0.67	0.28	0.12	0.013	81	1001	60	35	<20	467	170	38	18	6	15	3.8	99.93	0.39	<0.02
91-PMA-328-3	Till Pulp	0.66	0.29	0.12	0.014	82	1023	63	35	<20	479	179	49	18	9	15	3.7	99.92	0.43	<0.02
21-PMA-000-4	Till Pulp	0.97	0.21	0.19	0.010	48	695	92	21	<20	302	501	66	33	12	13	7.3	99.94	1.98	<0.02
91-PMA-328-4	Till Pulp	0.66	0.30	0.11	0.015	98	1032	66	38	<20	467	160	36	19	9	15	3.9	99.93	0.44	<0.02
91-PMA-329-2	Till Pulp	0.67	0.32	0.14	0.012	83	1010	66	30	<20	464	202	40	19	15	17	3.2	99.92	0.25	<0.02
91-PMA-329-3	Till Pulp	0.66	0.31	0.13	0.012	66	1017	62	25	<20	451	202	41	20	13	17	3.1	99.92	0.24	<0.02
91-PMA-329-4	Till Pulp	0.67	0.33	0.14	0.011	71	1006	64	28	<20	451	205	54	20	12	17	3.1	99.91	0.21	<0.02
91-PMA-329-5	Till Pulp	0.73	0.27	0.12	0.020	80	883	74	70	<20	359	149	37	21	11	16	4.5	99.91	0.50	<0.02

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3890 Trailhead Drive
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Project: BG_RE_03
Report Date: March 10, 2021

CERTIFICATE OF ANALYSIS VAN21000089.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
91-PMA-331-2	Till Pulp	1.60	78.46	9.73	93.0	267	51.8	19.9	920	3.72	12.8	0.7	2.4	5.7	57.6	0.53	1.09	0.20	90	1.38	0.125
91-PMA-333-2	Till Pulp	1.11	77.57	9.48	89.8	141	51.8	19.6	1018	3.86	10.5	0.8	2.1	6.7	54.1	0.40	0.81	0.20	96	0.87	0.143
91-PMA-344-2	Till Pulp	0.78	90.94	7.92	72.9	124	510.1	53.2	941	4.39	15.4	0.6	3.6	2.9	48.7	0.29	0.63	0.10	100	2.15	0.058
91-PMA-344-3	Till Pulp	0.71	106.73	9.18	72.7	136	753.8	67.9	1297	4.88	18.2	0.6	2.3	2.5	30.8	0.28	0.77	0.10	107	0.80	0.064
91-PMA-346-2	Till Pulp	1.63	79.66	9.94	87.6	200	148.7	32.1	1122	4.47	15.1	0.6	6.6	4.7	40.1	0.52	0.98	0.25	96	0.90	0.104
91-PMA-348-2	Till Pulp	1.11	35.19	9.84	66.9	118	62.1	15.0	580	2.70	8.3	0.9	1.2	7.5	77.8	0.41	0.59	0.21	49	2.00	0.117
91-PMA-348-3	Till Pulp	1.77	55.81	15.95	100.1	206	100.3	22.7	777	3.84	12.2	1.3	1.2	8.6	103.2	0.53	0.75	0.36	69	2.69	0.101
91-PMA-348-4	Till Pulp	1.56	50.72	16.18	98.6	225	92.5	21.8	913	3.74	11.7	1.0	1.5	8.9	91.9	0.48	0.64	0.37	62	2.21	0.102
91-PMA-348-5	Till Pulp	1.37	47.94	14.64	84.5	161	75.3	20.8	655	3.50	10.0	1.0	2.1	8.2	80.8	0.40	0.72	0.32	55	2.08	0.100
91-PMA-348-6	Till Pulp	1.79	64.79	23.55	109.7	157	78.7	24.0	938	4.41	13.7	1.1	1.9	12.6	128.6	0.48	0.72	0.46	51	2.86	0.092
21-PMA-000-5	Till Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
91-PMA-367-2	Till Pulp	2.23	50.44	17.69	113.5	196	67.8	19.7	685	3.67	9.2	1.2	1.5	9.0	86.8	0.65	0.69	0.34	63	2.76	0.091
91-PMA-370-2	Till Pulp	3.74	52.27	16.07	136.9	271	66.7	16.7	561	3.28	12.1	1.3	1.9	7.1	87.4	1.25	1.27	0.26	54	2.83	0.106
91-PMA-370-3	Till Pulp	4.07	48.98	16.18	136.4	259	70.8	17.3	597	3.18	12.6	1.3	1.5	6.9	96.9	1.25	1.25	0.23	55	3.07	0.111
91-PMA-375-2	Till Pulp	5.08	106.45	8.34	128.8	335	82.0	23.9	796	4.12	17.9	0.8	5.3	3.3	127.1	1.37	2.19	0.14	102	3.78	0.109
91-PMA-395-2	Till Pulp	1.01	42.84	27.65	119.1	173	74.1	19.5	808	3.64	10.3	1.7	1.5	9.4	24.2	0.41	0.81	0.56	56	0.49	0.076
91-PMA-405-2	Till Pulp	0.81	206.84	10.56	102.2	189	46.6	25.8	1245	4.60	14.2	0.4	13.5	2.4	50.9	0.46	0.64	0.14	149	0.72	0.120
91-PMA-408-2	Till Pulp	0.63	75.65	10.62	73.7	47	39.0	22.6	988	5.94	10.3	0.4	25.8	1.5	65.3	0.07	0.37	0.15	163	1.17	0.157
91-PMA-408-3	Till Pulp	0.35	85.66	4.27	89.5	58	41.3	23.8	1046	7.93	9.8	0.2	17.8	0.9	66.1	0.04	0.20	0.17	221	1.42	0.173
91-PMA-408-4	Till Pulp	0.85	133.03	4.96	100.2	90	54.1	26.9	2326	9.73	15.4	0.3	95.3	1.1	62.0	0.10	0.31	0.35	317	1.39	0.203
91-PMA-410-2	Till Pulp	1.39	126.33	8.25	71.1	139	69.7	29.0	1021	4.73	16.1	0.4	4.1	3.0	50.8	0.17	0.70	0.14	129	0.95	0.124
91-PMA-410-3	Till Pulp	0.62	50.25	4.51	37.4	76	28.2	10.0	482	2.32	10.4	0.4	3.5	2.3	40.2	0.15	0.57	0.08	71	0.72	0.119
91-PMA-411-2	Till Pulp	1.31	98.82	7.07	67.2	103	46.8	18.3	840	3.75	16.2	0.6	19.3	3.2	50.0	0.32	1.02	0.14	96	0.81	0.114
21-PMA-000-6	Till Pulp	1.48	102.57	5.81	78.2	99	44.9	25.7	1042	4.63	16.1	1.0	2.6	2.2	55.7	0.31	0.28	0.14	141	1.33	0.074
91-PMA-411-3	Till Pulp	1.56	100.64	7.48	69.7	94	51.1	17.9	800	3.71	16.1	0.7	5.2	3.4	56.1	0.28	0.84	0.17	96	0.83	0.115
91-PMA-411-4	Till Pulp	1.29	108.02	7.53	67.2	34	47.6	16.7	751	3.89	16.5	0.7	5.4	3.2	49.2	0.21	0.80	0.15	99	0.76	0.112
91-PMA-411-5	Till Pulp	1.43	104.26	7.25	68.7	51	49.0	16.5	695	3.72	16.7	0.7	7.2	3.6	52.1	0.18	0.74	0.18	98	0.76	0.109
91-PMA-411-6	Till Pulp	1.54	96.64	7.09	70.0	91	43.6	17.8	850	3.88	14.5	0.5	6.6	3.1	63.4	0.21	0.88	0.14	103	0.84	0.119
91-PMA-411-7	Till Pulp	3.17	186.74	8.39	128.0	136	50.2	34.6	1882	7.16	19.9	0.6	5.2	2.3	135.7	0.21	0.85	0.11	204	1.23	0.127
91-PMA-411-8	Till Pulp	1.47	114.18	6.94	64.0	55	47.3	16.9	732	3.82	15.6	0.6	5.0	3.3	56.3	0.19	0.68	0.14	104	0.85	0.115

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Client: **Noble Exploration Services Ltd.**
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Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_03
Report Date: March 10, 2021

CERTIFICATE OF ANALYSIS VAN21000089.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
91-PMA-331-2	Till Pulp	18.6	55.7	1.17	180.6	0.120	<20	2.01	0.022	0.18	0.2	8.2	0.16	<0.02	80	0.2	0.07	6.2	1.58	<0.1	0.10
91-PMA-333-2	Till Pulp	22.1	55.7	1.11	159.5	0.128	<20	2.03	0.024	0.19	0.2	8.4	0.17	<0.02	74	0.3	0.04	6.0	1.68	0.1	0.13
91-PMA-344-2	Till Pulp	9.8	289.9	5.04	180.1	0.083	<20	2.14	0.017	0.06	<0.1	14.0	0.08	<0.02	69	0.4	<0.02	4.5	1.63	<0.1	0.04
91-PMA-344-3	Till Pulp	9.2	396.9	6.73	177.9	0.082	<20	2.10	0.016	0.05	<0.1	15.8	0.08	<0.02	77	0.5	0.02	4.5	1.50	0.1	0.06
91-PMA-346-2	Till Pulp	16.3	112.3	1.76	220.0	0.108	<20	2.05	0.022	0.11	<0.1	11.8	0.11	<0.02	83	0.4	0.04	5.6	1.20	<0.1	0.08
91-PMA-348-2	Till Pulp	24.6	51.5	0.88	150.9	0.093	<20	1.22	0.016	0.16	0.2	5.2	0.15	<0.02	44	0.4	0.03	3.9	1.35	<0.1	0.12
91-PMA-348-3	Till Pulp	24.8	83.0	1.49	227.6	0.107	<20	2.03	0.020	0.33	0.3	8.0	0.25	<0.02	82	0.8	0.04	5.8	2.51	<0.1	0.11
91-PMA-348-4	Till Pulp	25.7	69.6	1.28	223.0	0.104	<20	1.86	0.019	0.32	0.3	7.1	0.27	<0.02	79	0.4	0.05	5.6	2.44	0.1	0.11
91-PMA-348-5	Till Pulp	24.5	58.1	1.13	178.8	0.095	<20	1.55	0.009	0.23	0.2	6.0	0.22	<0.02	55	0.4	0.04	4.8	1.97	<0.1	0.10
91-PMA-348-6	Till Pulp	29.4	53.6	1.14	216.6	0.095	<20	1.61	0.005	0.35	0.2	6.4	0.30	<0.02	59	0.5	0.06	5.5	2.98	<0.1	0.11
21-PMA-000-5	Till Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
91-PMA-367-2	Till Pulp	22.1	64.2	1.33	275.9	0.128	<20	2.01	0.018	0.44	0.2	7.7	0.31	0.02	114	0.8	0.05	7.0	2.50	<0.1	0.17
91-PMA-370-2	Till Pulp	20.1	55.8	0.99	432.9	0.072	<20	1.43	0.006	0.22	0.1	6.9	0.22	<0.02	86	0.8	0.06	5.0	1.56	<0.1	0.18
91-PMA-370-3	Till Pulp	18.8	59.0	1.03	408.4	0.068	<20	1.40	0.005	0.21	0.1	6.7	0.20	<0.02	101	1.5	0.05	4.4	1.45	<0.1	0.18
91-PMA-375-2	Till Pulp	11.3	84.7	1.64	166.2	0.147	<20	2.03	0.006	0.08	0.1	13.3	0.18	<0.02	162	1.4	0.08	5.9	1.39	<0.1	0.28
91-PMA-395-2	Till Pulp	24.8	63.1	1.00	198.6	0.096	<20	1.94	0.006	0.36	0.2	6.9	0.35	<0.02	95	0.2	0.04	6.3	4.23	<0.1	0.16
91-PMA-405-2	Till Pulp	9.2	69.7	1.17	161.6	0.129	<20	2.10	0.017	0.54	0.2	11.9	0.15	<0.02	150	0.2	0.18	7.1	3.58	0.1	0.12
91-PMA-408-2	Till Pulp	7.3	89.6	2.27	144.1	0.190	<20	3.40	0.035	0.95	0.2	7.6	0.55	<0.02	59	0.3	0.07	10.9	11.64	0.1	0.07
91-PMA-408-3	Till Pulp	4.4	132.5	3.40	146.9	0.283	<20	4.58	0.027	1.64	0.2	6.9	0.89	<0.02	102	0.2	0.07	16.4	19.69	0.2	0.08
91-PMA-408-4	Till Pulp	5.4	133.1	3.71	288.3	0.267	<20	5.34	0.032	2.09	0.2	23.8	0.84	<0.02	115	0.3	0.13	17.2	23.08	0.3	0.10
91-PMA-410-2	Till Pulp	11.8	106.3	1.54	199.6	0.143	<20	2.29	0.022	0.39	0.2	10.0	0.19	<0.02	89	0.2	0.05	7.3	3.01	0.1	0.10
91-PMA-410-3	Till Pulp	12.2	40.2	0.48	97.3	0.095	<20	0.93	0.021	0.09	0.4	4.7	0.06	<0.02	81	0.1	0.03	3.1	0.58	<0.1	0.14
91-PMA-411-2	Till Pulp	12.7	55.5	0.87	174.1	0.109	<20	1.73	0.024	0.13	0.3	8.1	0.10	<0.02	113	0.2	0.08	5.6	1.15	0.1	0.18
21-PMA-000-6	Till Pulp	6.5	54.8	1.13	65.0	0.258	<20	2.80	0.035	0.06	<0.1	7.9	0.06	0.17	189	1.2	0.07	8.3	0.60	<0.1	0.14
91-PMA-411-3	Till Pulp	13.4	56.5	0.92	178.5	0.116	<20	1.81	0.025	0.15	0.2	8.4	0.12	<0.02	118	0.2	0.06	5.7	1.28	<0.1	0.23
91-PMA-411-4	Till Pulp	14.0	60.5	0.89	179.8	0.110	<20	1.79	0.023	0.12	0.3	8.7	0.11	<0.02	107	0.2	0.07	5.8	1.11	<0.1	0.16
91-PMA-411-5	Till Pulp	13.4	60.0	0.89	179.8	0.110	<20	1.81	0.024	0.13	0.2	8.8	0.11	<0.02	110	0.2	0.06	6.0	1.15	<0.1	0.18
91-PMA-411-6	Till Pulp	11.6	57.2	1.05	128.8	0.110	<20	1.86	0.028	0.18	0.2	8.1	0.12	<0.02	100	0.2	0.07	5.8	1.64	0.1	0.15
91-PMA-411-7	Till Pulp	9.4	71.5	2.53	190.0	0.216	<20	4.02	0.064	0.62	0.2	18.6	0.33	<0.02	79	0.2	0.08	12.3	6.99	0.2	0.08
91-PMA-411-8	Till Pulp	13.5	61.0	0.95	145.2	0.123	<20	1.92	0.029	0.16	0.2	8.9	0.14	<0.02	105	0.2	0.06	6.0	1.77	<0.1	0.18

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Project: BG_RE_03
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CERTIFICATE OF ANALYSIS VAN21000089.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%	%	%	%	%	%
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01
91-PMA-331-2	Till Pulp	0.06	15.3	0.3	<0.05	4.6	10.71	33.1	0.03	<1	0.6	18.2	<10	2	60.36	14.49	6.86	2.98	3.74	2.47	2.20
91-PMA-333-2	Till Pulp	0.07	14.9	0.6	<0.05	5.5	11.86	40.2	0.04	<1	0.5	17.3	<10	3	60.92	14.71	7.04	2.88	3.32	2.62	2.20
91-PMA-344-2	Till Pulp	<0.02	4.0	0.4	<0.05	1.9	8.26	19.5	0.04	<1	0.3	12.5	<10	4	53.22	10.14	8.47	10.70	5.64	1.17	0.88
91-PMA-344-3	Till Pulp	<0.02	3.5	0.4	<0.05	2.1	10.54	19.0	0.03	<1	0.3	12.1	<10	5	52.26	9.36	9.38	13.56	3.66	1.09	0.73
91-PMA-346-2	Till Pulp	0.05	7.8	0.5	<0.05	4.5	13.09	31.6	0.04	<1	0.4	18.6	<10	2	58.70	13.83	8.64	4.69	3.30	1.96	1.72
91-PMA-348-2	Till Pulp	0.10	16.0	0.5	<0.05	4.3	10.69	44.5	0.02	<1	0.7	17.0	<10	<2	65.27	12.05	5.31	2.62	4.66	2.18	1.87
91-PMA-348-3	Till Pulp	0.13	28.6	1.1	<0.05	5.0	12.06	45.8	0.04	1	0.5	27.0	<10	<2	56.84	14.27	7.06	3.76	5.25	1.74	2.43
91-PMA-348-4	Till Pulp	0.14	29.0	0.7	<0.05	4.6	11.58	48.5	0.02	<1	0.6	27.4	<10	<2	58.87	14.37	6.80	3.27	4.52	1.84	2.46
91-PMA-348-5	Till Pulp	0.17	21.7	0.7	<0.05	4.3	11.51	46.3	0.03	<1	0.6	23.6	<10	<2	61.67	13.18	6.47	3.02	4.56	1.83	2.10
91-PMA-348-6	Till Pulp	0.23	33.9	0.7	<0.05	3.9	12.32	53.8	0.03	<1	0.5	26.6	<10	<2	57.73	13.99	7.52	2.81	5.12	1.61	2.61
21-PMA-000-5	Till Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
91-PMA-367-2	Till Pulp	0.29	38.2	4.1	<0.05	6.3	11.13	40.7	0.04	1	0.5	27.2	<10	2	57.36	14.74	6.52	3.10	5.07	1.54	2.67
91-PMA-370-2	Till Pulp	0.10	17.1	0.5	<0.05	6.5	11.68	37.4	0.02	<1	0.4	18.0	10	3	60.69	13.08	5.92	2.50	5.14	1.37	2.49
91-PMA-370-3	Till Pulp	0.09	15.5	0.5	<0.05	6.7	11.66	34.9	0.02	3	0.5	15.9	<10	2	60.77	12.62	5.84	2.55	5.27	1.29	2.41
91-PMA-375-2	Till Pulp	0.05	5.3	0.5	<0.05	11.0	12.81	21.9	0.03	2	0.7	13.6	<10	3	57.24	11.88	7.25	3.96	6.97	1.58	1.31
91-PMA-395-2	Till Pulp	0.12	38.9	4.6	<0.05	5.9	12.23	48.2	0.02	<1	0.9	34.2	<10	<2	60.32	17.40	6.17	2.41	1.33	1.55	3.55
91-PMA-405-2	Till Pulp	0.04	31.7	0.5	<0.05	5.7	10.04	17.7	0.03	<1	0.6	13.8	12	3	60.32	13.09	8.69	3.18	3.38	2.38	2.17
91-PMA-408-2	Till Pulp	0.05	85.9	1.3	<0.05	3.0	10.89	12.3	0.03	<1	0.3	28.0	<10	3	51.40	14.46	10.74	5.10	4.39	2.11	2.45
91-PMA-408-3	Till Pulp	0.02	118.2	0.9	<0.05	2.7	9.34	8.7	0.02	<1	0.4	42.2	13	6	44.94	14.48	13.68	7.12	4.33	1.85	2.83
91-PMA-408-4	Till Pulp	0.03	146.5	0.9	<0.05	3.5	12.08	9.6	0.07	<1	1.0	43.5	15	4	44.94	14.34	14.75	6.94	3.37	1.24	3.13
91-PMA-410-2	Till Pulp	0.09	48.3	0.6	<0.05	5.1	12.47	21.9	0.03	<1	0.5	19.5	19	5	58.26	13.22	8.74	3.97	3.76	2.44	2.09
91-PMA-410-3	Till Pulp	0.18	8.0	0.5	<0.05	5.0	8.90	22.2	<0.02	<1	0.2	5.8	<10	3	69.76	11.70	4.81	1.83	3.58	2.99	1.56
91-PMA-411-2	Till Pulp	0.07	9.6	0.7	<0.05	6.9	10.59	23.8	0.03	<1	0.6	11.8	<10	2	63.32	13.16	7.13	2.40	3.30	2.56	1.79
21-PMA-000-6	Till Pulp	1.10	3.1	0.5	<0.05	6.0	10.78	15.1	0.04	2	0.4	8.1	10	3	45.74	13.79	10.62	4.23	6.45	1.99	0.69
91-PMA-411-3	Till Pulp	0.06	11.3	0.7	<0.05	7.6	10.43	23.8	0.03	<1	0.7	12.5	<10	3	63.43	13.33	6.95	2.51	3.21	2.59	1.82
91-PMA-411-4	Till Pulp	0.11	8.4	0.7	<0.05	7.1	11.17	23.0	0.03	<1	0.3	11.9	<10	3	63.32	13.32	7.06	2.36	3.15	2.56	1.75
91-PMA-411-5	Till Pulp	0.08	8.9	0.6	<0.05	7.1	10.37	22.3	0.03	<1	0.4	11.1	<10	2	63.21	13.34	7.02	2.46	3.15	2.55	1.79
91-PMA-411-6	Till Pulp	0.05	11.7	0.6	<0.05	6.4	9.84	21.5	<0.02	<1	0.3	12.8	<10	2	63.02	13.11	7.11	2.76	3.28	2.52	1.82
91-PMA-411-7	Till Pulp	0.02	31.8	0.9	<0.05	3.7	10.87	17.9	0.05	<1	0.4	29.0	<10	2	53.15	13.95	11.59	5.02	2.98	1.57	1.81
91-PMA-411-8	Till Pulp	0.06	11.9	0.6	<0.05	7.1	10.61	23.6	0.03	<1	0.5	13.5	<10	<2	63.61	13.20	6.86	2.47	3.18	2.58	1.82

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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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
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Project: BG_RE_03
Report Date: March 10, 2021

CERTIFICATE OF ANALYSIS VAN21000089.1

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
	Analyte	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
	Unit	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	MDL	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3	5	1	-5.1	0.01	0.02	0.02
91-PMA-331-2	Till Pulp	0.74	0.28	0.14	0.017	84	1141	105	61	<20	360	128	45	22	11	18	5.4	99.91	0.42	<0.02
91-PMA-333-2	Till Pulp	0.80	0.34	0.15	0.016	85	1073	98	55	22	382	161	61	24	16	19	4.7	99.92	0.22	<0.02
91-PMA-344-2	Till Pulp	0.74	0.14	0.15	0.062	101	774	83	537	53	139	108	<30	19	9	28	8.3	99.79	0.69	<0.02
91-PMA-344-3	Till Pulp	0.73	0.14	0.20	0.084	118	687	83	789	73	114	107	<30	21	8	30	8.3	99.74	0.36	<0.02
91-PMA-346-2	Till Pulp	0.91	0.26	0.17	0.036	104	1163	105	168	33	192	157	43	28	13	25	5.5	99.88	0.30	<0.02
91-PMA-348-2	Till Pulp	0.83	0.32	0.10	0.023	36	870	79	83	<20	273	290	96	33	23	16	4.5	99.93	0.70	<0.02
91-PMA-348-3	Till Pulp	0.76	0.27	0.12	0.027	69	1041	122	130	<20	260	183	88	27	22	19	7.2	99.93	1.14	<0.02
91-PMA-348-4	Till Pulp	0.79	0.27	0.14	0.023	61	1022	111	111	24	263	220	117	28	21	18	6.4	99.93	0.91	<0.02
91-PMA-348-5	Till Pulp	0.86	0.27	0.11	0.023	51	994	95	84	22	247	313	114	33	26	18	5.6	99.92	0.78	<0.02
91-PMA-348-6	Till Pulp	0.75	0.26	0.13	0.018	62	973	116	86	20	261	256	115	29	42	17	7.2	99.93	1.13	<0.02
21-PMA-000-5	Till Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
91-PMA-367-2	Till Pulp	0.83	0.24	0.10	0.019	50	1064	123	75	<20	240	214	83	27	20	17	7.5	99.92	1.23	<0.02
91-PMA-370-2	Till Pulp	0.79	0.28	0.09	0.021	53	1334	147	75	<20	213	224	89	29	11	16	7.3	99.93	1.19	<0.02
91-PMA-370-3	Till Pulp	0.78	0.29	0.09	0.022	55	1324	150	79	<20	217	208	76	28	10	16	7.8	99.92	1.30	<0.02
91-PMA-375-2	Till Pulp	0.83	0.27	0.12	0.033	107	802	139	95	22	265	158	59	25	6	25	8.3	99.92	1.12	<0.02
91-PMA-395-2	Till Pulp	0.74	0.20	0.11	0.019	43	959	125	85	<20	121	187	84	28	20	17	5.9	99.93	0.25	<0.02
91-PMA-405-2	Till Pulp	0.74	0.31	0.20	0.021	220	898	117	57	31	359	107	41	19	<5	24	5.2	99.92	0.22	<0.02
91-PMA-408-2	Till Pulp	0.85	0.42	0.17	0.019	79	858	85	38	26	416	78	<30	17	<5	21	7.6	99.91	0.34	<0.02
91-PMA-408-3	Till Pulp	0.97	0.45	0.17	0.022	88	663	102	42	23	311	64	<30	14	<5	24	8.9	99.92	0.16	<0.02
91-PMA-408-4	Till Pulp	0.95	0.51	0.32	0.022	138	644	106	53	24	251	67	<30	20	<5	42	9.2	99.91	0.24	<0.02
91-PMA-410-2	Till Pulp	0.76	0.32	0.17	0.027	128	849	82	77	30	348	116	36	21	6	22	6.0	99.93	0.32	<0.02
91-PMA-410-3	Till Pulp	0.72	0.29	0.10	0.019	49	840	46	35	<20	400	140	<30	20	<5	14	2.4	99.93	0.15	<0.02
91-PMA-411-2	Till Pulp	0.72	0.30	0.14	0.019	102	919	78	53	<20	357	128	32	20	8	18	4.9	99.93	0.16	<0.02
21-PMA-000-6	Till Pulp	1.32	0.23	0.21	0.025	103	258	99	58	33	266	243	<30	25	5	30	14.5	99.91	4.29	0.16
91-PMA-411-3	Till Pulp	0.73	0.30	0.13	0.019	100	917	80	58	<20	358	130	41	20	<5	19	4.7	99.92	0.18	<0.02
91-PMA-411-4	Till Pulp	0.74	0.27	0.13	0.020	109	900	71	58	<20	352	126	41	20	<5	18	5.1	99.93	0.26	<0.02
91-PMA-411-5	Till Pulp	0.73	0.28	0.12	0.019	107	917	76	47	<20	352	129	42	20	<5	19	5.1	99.93	0.21	<0.02
91-PMA-411-6	Till Pulp	0.73	0.30	0.14	0.017	103	848	81	54	<20	362	135	47	19	<5	19	4.9	99.92	0.17	<0.02
91-PMA-411-7	Till Pulp	0.78	0.32	0.26	0.015	198	654	138	47	30	316	86	<30	18	5	26	8.3	99.92	0.20	<0.02
91-PMA-411-8	Till Pulp	0.72	0.28	0.12	0.019	115	877	77	59	<20	358	130	36	20	<5	18	4.9	99.92	0.19	<0.02

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Project: BG_RE_03
Report Date: March 10, 2021

CERTIFICATE OF ANALYSIS VAN21000089.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
21-PMA-000-7	Till Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
91-PMA-412-2	Till Pulp	1.16	91.46	6.52	55.1	36	40.4	16.2	752	3.68	13.2	0.6	4.2	2.7	62.0	0.14	0.60	0.12	111	0.70	0.117
91-PMA-420-2	Till Pulp	1.31	323.43	6.91	55.0	192	26.0	22.5	1554	3.92	3.0	0.5	42.1	2.2	83.2	0.20	0.47	0.18	113	1.01	0.190
91-PMA-420-3	Till Pulp	0.54	179.75	3.80	83.2	92	39.4	35.2	1290	5.17	3.1	0.4	21.1	1.9	91.4	0.11	0.23	0.10	171	1.29	0.215
91-PMA-420-4	Till Pulp	0.63	160.09	3.93	70.2	85	41.0	32.2	1193	5.03	3.4	0.4	17.0	1.9	84.4	0.11	0.24	0.12	164	1.21	0.216
91-PMA-420-5	Till Pulp	0.74	177.36	4.51	65.7	90	36.5	30.8	1362	4.89	3.5	0.5	53.9	2.1	81.9	0.12	0.28	0.15	155	1.12	0.232
91-PMA-420-6	Till Pulp	3.20	333.00	7.51	80.1	604	24.8	28.1	2356	5.66	4.2	0.8	37.0	3.1	50.8	0.44	0.72	0.23	103	0.78	0.231
91-PMA-422-2	Till Pulp	1.64	452.32	5.54	85.8	1158	30.8	43.7	1446	6.65	6.3	0.4	573.1	2.7	158.0	0.23	0.80	3.16	166	3.19	0.206
91-PMA-422-3	Till Pulp	11.51	624.88	8.61	93.5	660	33.3	64.1	3386	9.48	8.4	0.7	181.0	2.4	79.4	0.52	2.79	0.62	165	1.04	0.222
91-PMA-422-4	Till Pulp	1.59	217.66	5.74	86.3	341	28.3	34.8	1443	6.21	5.8	0.3	16.6	1.8	68.6	0.21	0.84	0.16	179	0.90	0.155
91-PMA-425-2	Till Pulp	1.46	120.87	7.82	39.0	99	11.6	10.8	663	2.97	4.0	0.9	16.0	3.1	50.5	0.10	0.42	0.25	68	0.63	0.177
91-PMA-425-3	Till Pulp	1.63	97.03	8.26	38.1	78	12.7	11.6	683	2.91	4.8	0.8	14.5	3.0	42.8	0.13	0.43	0.20	63	0.57	0.174
21-PMA-000-8	Till Pulp	1.55	101.79	5.57	76.8	94	43.0	25.2	1052	4.71	15.5	1.1	3.4	1.1	60.3	0.30	0.29	0.16	141	1.35	0.075
91-PMA-425-4	Till Pulp	1.29	97.51	8.67	35.3	23	10.7	12.0	680	2.97	4.3	0.9	21.6	2.9	42.2	0.11	0.40	0.22	65	0.53	0.155
91-PMA-429-2	Till Pulp	1.36	204.38	4.45	80.4	427	17.3	28.7	1467	4.90	3.6	0.5	70.6	2.1	146.1	0.21	2.01	0.25	105	4.67	0.221
91-PMA-429-3	Till Pulp	1.48	221.61	4.50	83.5	444	17.4	29.3	1396	4.86	3.8	0.6	93.2	2.3	136.1	0.22	2.09	0.26	106	4.24	0.234
91-PMA-429-4	Till Pulp	1.97	377.75	6.14	91.7	342	21.9	37.1	2225	5.87	4.2	0.7	145.8	2.6	54.4	0.18	1.82	0.34	130	0.92	0.259
91-PMA-429-5	Till Pulp	1.25	190.42	5.45	75.1	390	17.4	27.1	1344	4.55	3.9	0.5	71.1	2.2	161.0	0.22	1.57	0.24	102	5.04	0.216
91-PMA-429-6	Till Pulp	1.78	257.54	6.76	102.9	395	20.1	32.3	2095	5.57	4.4	0.6	92.4	2.6	57.1	0.29	1.79	0.35	116	0.92	0.222
91-PMA-430-2	Till Pulp	2.14	199.67	7.57	82.1	435	31.4	30.4	1376	4.74	8.3	0.4	21.8	3.0	70.4	0.42	0.97	0.23	109	1.74	0.145
21-PMA-000-9	Till Pulp	2.07	70.79	11.48	104.4	109	118.9	22.2	880	3.88	15.7	0.5	2.7	2.7	50.4	0.37	0.72	0.19	62	0.57	0.074
92-PMA-002-2	Till Pulp	1.71	57.09	10.74	105.1	166	55.4	13.6	521	3.42	6.8	0.8	1.1	2.8	69.5	0.35	0.60	0.16	59	1.38	0.076
92-PMA-002-3	Till Pulp	2.50	56.92	11.93	101.6	172	62.8	17.6	725	3.53	11.7	0.6	1.1	3.0	80.1	0.55	0.69	0.17	60	2.52	0.076
92-PMA-005-2	Till Pulp	2.27	65.55	7.65	85.8	129	162.5	24.1	730	3.66	7.3	0.4	1.5	2.6	86.0	0.31	0.47	0.13	64	1.85	0.087
92-PMA-005-3	Till Pulp	1.66	69.84	7.22	86.2	121	161.2	27.0	750	3.68	6.6	0.4	1.2	2.5	111.9	0.41	0.44	0.13	66	2.99	0.093
92-PMA-007-2	Till Pulp	0.72	45.93	5.41	71.8	139	745.2	44.4	744	4.15	6.2	0.4	1.6	2.0	22.4	0.22	0.31	0.09	53	0.46	0.067
92-PMA-007-3	Till Pulp	0.75	40.33	5.38	69.2	71	928.1	72.5	1073	4.18	5.2	0.3	0.9	1.7	18.2	0.20	0.27	0.08	47	0.43	0.060
92-PMA-009-2	Till Pulp	0.87	45.76	5.70	71.1	97	1000.0	74.5	1089	4.32	5.1	0.4	1.3	1.7	20.9	0.29	0.34	0.09	48	0.38	0.057
92-PMA-067-4	Till Pulp	1.40	57.24	9.95	71.2	208	103.0	19.0	539	2.95	19.1	0.6	7.1	2.6	115.0	0.50	1.39	0.11	62	2.86	0.103
92-PMA-067-5	Till Pulp	1.25	60.47	9.95	81.2	214	95.0	18.2	580	3.03	23.6	0.7	4.6	2.8	108.2	0.49	1.13	0.11	63	2.59	0.100

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PHONE (604) 253-3158

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_03
Report Date: March 10, 2021

CERTIFICATE OF ANALYSIS VAN21000089.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
21-PMA-000-7	Till Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
91-PMA-412-2	Till Pulp	13.1	66.6	0.99	159.4	0.129	<20	1.91	0.023	0.16	0.2	10.7	0.10	<0.02	103	0.2	0.04	5.9	1.37	<0.1	0.14
91-PMA-420-2	Till Pulp	12.7	66.6	1.61	151.4	0.149	<20	1.95	0.009	0.28	0.3	8.2	0.06	<0.02	77	0.2	0.08	6.2	3.08	<0.1	0.06
91-PMA-420-3	Till Pulp	7.7	112.9	2.48	205.3	0.200	<20	2.80	0.008	0.58	0.3	10.2	0.13	<0.02	55	<0.1	0.07	8.7	3.89	0.1	0.10
91-PMA-420-4	Till Pulp	8.0	122.8	2.27	191.9	0.184	<20	2.56	0.008	0.55	0.3	9.7	0.12	<0.02	53	0.1	0.09	8.0	2.84	0.1	0.09
91-PMA-420-5	Till Pulp	9.8	105.4	1.98	176.8	0.160	<20	2.33	0.009	0.55	0.4	10.0	0.11	<0.02	63	0.2	0.09	7.4	2.34	0.1	0.10
91-PMA-420-6	Till Pulp	14.1	59.3	1.23	219.2	0.092	<20	1.77	0.009	0.23	0.3	15.2	0.08	<0.02	92	0.3	0.15	5.7	3.26	<0.1	0.06
91-PMA-422-2	Till Pulp	12.7	58.0	2.28	211.9	0.078	<20	2.95	0.008	0.41	0.3	17.1	0.11	<0.02	116	0.3	2.66	9.5	10.34	0.1	0.03
91-PMA-422-3	Till Pulp	15.7	55.2	1.62	218.5	0.073	<20	2.24	0.007	0.27	0.5	28.4	0.09	<0.02	157	0.6	0.48	8.1	7.93	0.1	0.05
91-PMA-422-4	Till Pulp	8.6	77.7	2.01	222.8	0.193	<20	2.90	0.009	0.38	0.3	14.9	0.13	<0.02	90	0.4	0.08	9.7	4.45	0.1	0.05
91-PMA-425-2	Till Pulp	12.5	20.2	0.49	65.5	0.080	<20	0.98	0.006	0.17	0.4	4.3	0.06	<0.02	94	<0.1	0.14	3.8	1.11	<0.1	0.16
91-PMA-425-3	Till Pulp	12.6	22.2	0.42	72.6	0.070	<20	0.90	0.006	0.14	0.4	3.9	0.06	<0.02	94	<0.1	0.11	3.4	0.83	<0.1	0.12
21-PMA-000-8	Till Pulp	6.9	51.6	1.13	69.7	0.259	<20	2.82	0.036	0.06	<0.1	7.6	0.06	0.18	465	1.2	0.08	7.8	0.63	<0.1	0.15
91-PMA-425-4	Till Pulp	12.8	20.2	0.49	67.9	0.078	<20	1.01	0.007	0.14	0.4	4.6	0.06	<0.02	82	0.2	0.11	3.7	0.91	<0.1	0.04
91-PMA-429-2	Till Pulp	11.2	41.2	1.30	149.1	0.073	<20	1.79	0.007	0.36	0.2	9.2	0.08	<0.02	48	0.2	0.21	6.1	3.52	<0.1	0.08
91-PMA-429-3	Till Pulp	11.4	43.1	1.33	130.9	0.075	<20	1.81	0.006	0.35	0.3	9.1	0.07	<0.02	48	0.2	0.21	6.1	3.56	<0.1	0.09
91-PMA-429-4	Till Pulp	12.8	59.8	1.67	141.5	0.091	<20	2.24	0.006	0.33	0.3	12.7	0.11	<0.02	77	0.3	0.24	7.1	3.53	<0.1	0.07
91-PMA-429-5	Till Pulp	10.1	43.8	1.42	155.9	0.080	<20	1.80	0.008	0.36	0.3	8.7	0.07	<0.02	49	0.2	0.20	6.0	3.23	<0.1	0.10
91-PMA-429-6	Till Pulp	12.9	41.7	1.51	163.9	0.074	<20	2.18	0.009	0.36	0.2	11.2	0.08	<0.02	75	0.3	0.28	7.3	4.14	<0.1	0.11
91-PMA-430-2	Till Pulp	11.7	53.6	1.45	158.1	0.090	<20	2.16	0.010	0.30	0.3	10.2	0.11	<0.02	65	0.3	0.15	6.6	3.15	<0.1	0.12
21-PMA-000-9	Till Pulp	11.0	64.3	1.14	194.1	0.047	<20	1.84	0.019	0.10	<0.1	8.8	0.16	<0.02	81	0.3	0.06	5.6	1.39	<0.1	0.19
92-PMA-002-2	Till Pulp	11.7	54.1	1.15	435.3	0.045	<20	1.74	0.021	0.12	<0.1	8.3	0.10	<0.02	99	0.6	0.05	5.5	1.37	<0.1	0.20
92-PMA-002-3	Till Pulp	12.4	52.6	1.14	489.6	0.047	<20	1.76	0.019	0.10	<0.1	8.6	0.13	<0.02	99	0.2	0.06	5.5	1.34	<0.1	0.21
92-PMA-005-2	Till Pulp	12.2	129.4	1.97	220.5	0.160	<20	1.68	0.016	0.09	<0.1	7.4	0.11	<0.02	405	0.3	0.05	5.7	0.96	<0.1	0.29
92-PMA-005-3	Till Pulp	12.1	134.6	2.16	268.7	0.177	<20	1.74	0.018	0.08	0.1	7.6	0.11	<0.02	269	0.2	0.04	6.1	0.84	<0.1	0.36
92-PMA-007-2	Till Pulp	9.4	241.4	6.39	155.9	0.073	<20	1.50	0.011	0.08	<0.1	8.2	0.09	<0.02	221	0.2	0.03	4.3	0.91	<0.1	0.13
92-PMA-007-3	Till Pulp	8.0	272.5	7.73	138.2	0.064	<20	1.40	0.012	0.08	<0.1	7.5	0.09	<0.02	141	0.3	0.03	4.0	0.83	0.1	0.10
92-PMA-009-2	Till Pulp	7.8	306.4	8.54	125.1	0.060	<20	1.32	0.013	0.08	0.1	7.9	0.12	<0.02	259	0.2	0.03	3.8	0.91	0.1	0.08
92-PMA-067-4	Till Pulp	8.5	83.4	1.36	106.3	0.092	<20	1.11	0.012	0.07	<0.1	6.2	0.10	0.09	127	6.9	0.04	3.7	0.54	<0.1	0.25
92-PMA-067-5	Till Pulp	9.1	77.2	1.38	129.5	0.088	<20	1.33	0.010	0.09	<0.1	6.9	0.10	0.06	153	1.0	0.04	4.3	0.67	<0.1	0.22

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Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_03
Report Date: March 10, 2021

CERTIFICATE OF ANALYSIS VAN21000089.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%	%	%	%	%	%
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01
21-PMA-000-7	Till Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
91-PMA-412-2	Till Pulp	0.06	10.7	0.6	<0.05	6.5	13.02	23.0	0.02	<1	0.3	10.6	<10	4	63.86	13.03	6.80	2.62	2.99	2.65	1.78
91-PMA-420-2	Till Pulp	0.04	18.0	0.3	<0.05	2.8	14.91	22.4	0.02	<1	0.5	14.1	<10	4	56.49	13.95	8.48	5.06	4.96	2.52	2.40
91-PMA-420-3	Till Pulp	0.02	37.7	0.3	<0.05	3.0	10.66	15.6	<0.02	<1	0.5	18.4	13	4	50.92	13.13	10.91	6.83	6.06	1.92	2.22
91-PMA-420-4	Till Pulp	<0.02	34.5	0.3	<0.05	2.9	10.48	15.9	0.02	<1	0.3	18.1	11	6	52.37	12.97	10.48	6.48	5.91	2.03	2.25
91-PMA-420-5	Till Pulp	0.02	38.8	0.3	<0.05	3.6	13.05	17.5	<0.02	<1	0.5	16.3	13	4	53.15	13.11	10.67	5.89	5.86	2.16	2.33
91-PMA-420-6	Till Pulp	0.05	17.6	0.2	<0.05	2.7	21.03	26.3	0.07	<1	0.6	12.1	11	3	54.62	14.57	11.09	3.72	3.85	2.73	2.67
91-PMA-422-2	Till Pulp	<0.02	30.9	0.4	<0.05	1.3	16.88	25.0	0.05	2	0.9	25.1	16	6	46.83	14.59	12.04	5.11	6.07	1.56	2.45
91-PMA-422-3	Till Pulp	0.04	20.4	0.4	<0.05	1.8	29.41	31.1	0.08	<1	0.9	15.4	19	7	47.91	14.34	15.79	4.08	3.42	1.87	2.72
91-PMA-422-4	Till Pulp	0.03	25.0	0.3	<0.05	2.0	13.54	17.2	0.04	<1	0.6	23.2	11	5	52.35	15.20	10.94	4.51	3.65	2.57	2.14
91-PMA-425-2	Till Pulp	0.08	16.7	0.8	<0.05	3.6	11.58	23.6	<0.02	<1	0.4	5.2	<10	<2	66.79	13.29	5.68	1.30	2.66	3.42	3.21
91-PMA-425-3	Till Pulp	0.10	14.6	1.3	<0.05	3.3	11.00	23.6	<0.02	<1	0.3	4.3	<10	<2	67.51	13.10	5.63	1.15	2.48	3.39	3.16
21-PMA-000-8	Till Pulp	1.03	3.2	0.5	<0.05	6.7	11.50	16.0	0.05	2	0.3	7.7	<10	<2	45.74	13.57	10.70	4.17	6.50	2.02	0.72
91-PMA-425-4	Till Pulp	0.22	15.2	0.9	<0.05	2.4	12.50	23.9	<0.02	<1	0.3	4.8	<10	2	67.29	13.03	5.66	1.27	2.45	3.41	3.17
91-PMA-429-2	Till Pulp	<0.02	27.1	0.2	<0.05	2.5	13.51	22.5	0.03	<1	0.3	12.2	<10	3	47.57	14.77	9.62	3.70	8.29	2.16	3.28
91-PMA-429-3	Till Pulp	<0.02	27.7	0.2	<0.05	2.6	14.37	22.5	0.02	<1	0.7	13.1	11	2	48.34	14.78	9.90	3.68	7.76	2.20	3.30
91-PMA-429-4	Till Pulp	0.04	27.8	0.4	<0.05	2.7	20.31	24.8	0.03	<1	0.6	14.7	14	3	50.89	15.58	11.80	4.58	3.64	2.24	3.29
91-PMA-429-5	Till Pulp	0.03	27.2	0.3	<0.05	2.8	13.23	20.4	0.02	<1	0.5	13.2	10	4	47.08	14.27	9.49	3.92	9.41	2.18	3.14
91-PMA-429-6	Till Pulp	0.02	28.4	0.6	<0.05	3.1	17.28	25.3	0.03	<1	0.9	14.7	<10	4	52.02	16.55	11.05	3.90	3.04	2.40	3.59
91-PMA-430-2	Till Pulp	0.03	21.7	0.7	<0.05	4.4	11.78	22.8	0.03	<1	0.5	17.2	<10	4	54.09	15.05	9.60	3.88	4.72	2.33	2.37
21-PMA-000-9	Till Pulp	0.07	6.9	1.7	<0.05	7.2	11.36	23.1	0.04	<1	0.5	14.0	<10	2	62.67	14.14	6.96	2.74	1.70	2.00	1.60
92-PMA-002-2	Till Pulp	0.05	7.1	9.6	<0.05	7.0	11.36	23.8	0.03	2	0.8	14.9	<10	<2	60.99	14.69	6.23	2.69	2.84	2.03	1.85
92-PMA-002-3	Till Pulp	0.06	6.4	4.8	<0.05	7.7	11.84	24.4	0.04	3	0.5	13.9	<10	3	58.78	14.24	6.34	2.70	4.40	1.91	1.70
92-PMA-005-2	Till Pulp	0.10	5.6	4.9	<0.05	9.3	10.52	25.6	0.03	3	0.4	11.1	<10	3	59.45	12.26	7.08	4.57	3.93	2.05	1.55
92-PMA-005-3	Till Pulp	0.10	5.3	1.3	<0.05	11.3	10.45	24.7	0.03	2	0.7	12.2	<10	<2	57.65	11.74	6.89	4.76	5.48	2.01	1.41
92-PMA-007-2	Till Pulp	0.10	4.8	0.7	<0.05	4.8	9.48	17.9	0.03	<1	0.6	10.5	<10	3	55.69	9.90	7.28	12.09	1.50	1.48	1.21
92-PMA-007-3	Till Pulp	<0.02	4.4	1.2	<0.05	3.5	6.58	17.1	0.02	1	0.2	10.4	<10	3	53.72	8.84	7.56	14.85	1.43	1.32	1.10
92-PMA-009-2	Till Pulp	<0.02	4.7	0.8	<0.05	3.4	7.37	17.0	0.03	<1	0.4	10.2	<10	3	53.27	8.45	7.41	15.56	1.25	1.18	1.04
92-PMA-067-4	Till Pulp	0.09	3.7	1.2	<0.05	7.6	8.21	16.6	0.02	2	0.2	9.9	<10	3	61.19	11.48	6.00	3.56	6.17	2.40	1.55
92-PMA-067-5	Till Pulp	0.10	4.7	1.7	<0.05	7.6	8.90	17.7	0.03	2	0.4	11.7	<10	<2	60.74	12.50	6.03	3.53	5.47	2.35	1.64

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Project: BG_RE_03
Report Date: March 10, 2021

CERTIFICATE OF ANALYSIS VAN21000089.1

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
	Analyte	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
	Unit	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	MDL	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3	5	1	-5.1	0.01	0.02	0.02
21-PMA-000-7	Till Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
91-PMA-412-2	Till Pulp	0.72	0.29	0.12	0.019	109	888	68	46	<20	381	117	45	23	<5	21	4.8	99.92	0.18	<0.02
91-PMA-420-2	Till Pulp	0.88	0.45	0.25	0.015	338	712	76	36	26	428	79	<30	23	5	28	4.3	99.93	0.10	<0.02
91-PMA-420-3	Till Pulp	0.94	0.50	0.23	0.021	188	629	105	50	42	449	75	<30	19	<5	31	6.1	99.92	0.17	<0.02
91-PMA-420-4	Till Pulp	0.88	0.49	0.21	0.024	169	631	92	48	37	438	81	<30	19	<5	31	5.6	99.91	0.12	<0.02
91-PMA-420-5	Till Pulp	0.85	0.52	0.23	0.023	183	657	86	44	38	464	82	<30	22	7	32	4.9	99.92	0.12	<0.02
91-PMA-420-6	Till Pulp	0.78	0.52	0.34	0.014	342	771	88	29	28	370	114	<30	29	<5	32	4.8	99.92	0.16	<0.02
91-PMA-422-2	Till Pulp	0.86	0.49	0.21	0.011	475	665	100	33	39	347	65	<30	21	<5	33	9.5	99.91	0.85	<0.02
91-PMA-422-3	Till Pulp	0.80	0.50	0.46	0.013	598	603	101	26	60	308	75	<30	33	<5	45	7.8	99.90	0.39	<0.02
91-PMA-422-4	Till Pulp	0.89	0.38	0.21	0.015	223	707	109	30	33	366	98	35	21	8	31	6.9	99.91	0.22	<0.02
91-PMA-425-2	Till Pulp	0.59	0.40	0.11	0.005	119	779	44	<20	<20	378	175	<30	20	<5	11	2.3	99.92	0.08	<0.02
91-PMA-425-3	Till Pulp	0.57	0.39	0.11	0.006	105	799	43	<20	<20	364	175	38	20	<5	11	2.3	99.93	0.10	<0.02
21-PMA-000-8	Till Pulp	1.30	0.22	0.21	0.025	109	255	98	58	31	260	218	<30	24	<5	30	14.7	99.93	4.36	0.17
91-PMA-425-4	Till Pulp	0.59	0.37	0.11	0.007	96	793	41	<20	<20	366	186	<30	21	<5	12	2.4	99.95	0.10	<0.02
91-PMA-429-2	Till Pulp	0.75	0.51	0.22	0.009	205	679	96	23	28	411	85	33	20	<5	24	8.9	99.93	1.34	<0.02
91-PMA-429-3	Till Pulp	0.75	0.53	0.21	0.010	222	672	96	<20	30	403	87	37	20	<5	25	8.3	99.92	1.13	<0.02
91-PMA-429-4	Till Pulp	0.84	0.60	0.33	0.012	379	704	112	<20	39	348	93	50	26	<5	31	5.9	99.92	0.18	<0.02
91-PMA-429-5	Till Pulp	0.72	0.50	0.20	0.011	200	695	96	20	28	434	88	39	20	<5	25	8.8	99.92	1.51	<0.02
91-PMA-429-6	Till Pulp	0.83	0.53	0.30	0.008	264	762	117	<20	32	334	90	47	23	<5	28	5.5	99.91	0.13	<0.02
91-PMA-430-2	Till Pulp	0.82	0.36	0.21	0.014	209	757	98	31	34	348	109	40	21	6	28	6.3	99.92	0.48	<0.02
21-PMA-000-9	Till Pulp	0.72	0.20	0.13	0.022	75	931	117	135	23	215	140	41	22	<5	19	6.9	99.93	0.32	<0.02
92-PMA-002-2	Till Pulp	0.76	0.20	0.08	0.017	60	1168	117	59	<20	243	136	34	22	<5	19	7.3	99.93	0.79	<0.02
92-PMA-002-3	Till Pulp	0.74	0.20	0.11	0.018	64	1232	112	76	<20	238	130	63	23	<5	18	8.6	99.94	1.23	<0.02
92-PMA-005-2	Till Pulp	1.10	0.24	0.11	0.039	70	1086	103	189	25	242	161	50	23	7	19	7.3	99.93	0.81	<0.02
92-PMA-005-3	Till Pulp	1.07	0.22	0.11	0.037	74	982	97	191	28	261	154	43	22	11	18	8.4	99.93	1.15	<0.02
92-PMA-007-2	Till Pulp	0.75	0.18	0.11	0.104	50	752	89	769	45	142	117	<30	18	8	17	9.4	99.94	0.67	<0.02
92-PMA-007-3	Till Pulp	0.67	0.16	0.15	0.122	49	655	85	999	80	120	98	43	14	7	16	9.8	99.94	0.42	<0.02
92-PMA-009-2	Till Pulp	0.61	0.15	0.15	0.137	46	656	88	1058	72	116	95	<30	14	6	15	10.5	99.95	0.47	<0.02
92-PMA-067-4	Till Pulp	0.75	0.25	0.10	0.030	63	963	90	123	<20	351	148	46	22	6	19	6.2	99.93	1.17	0.09
92-PMA-067-5	Till Pulp	0.77	0.25	0.10	0.025	62	1059	95	103	<20	338	131	55	21	5	19		93.62	1.17	0.06

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3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_03
Report Date: March 10, 2021

CERTIFICATE OF ANALYSIS VAN21000089.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
92-PMA-067-6	Till Pulp	1.10	53.81	6.65	62.1	84	123.5	15.4	562	3.00	35.0	0.4	4.2	2.3	156.2	0.47	0.92	0.07	59	4.31	0.110
92-PMA-067-7	Till Pulp	1.27	70.84	9.97	85.1	138	95.7	19.2	611	3.14	21.6	0.5	2.5	2.7	105.5	0.44	1.00	0.11	61	2.43	0.097
92-PMA-071-2	Till Pulp	2.10	73.01	11.78	105.6	109	122.2	22.4	903	4.01	15.9	0.4	2.2	2.8	49.4	0.39	0.75	0.19	63	0.58	0.078
92-PMA-093-2	Till Pulp	1.67	65.60	9.42	78.6	215	129.7	21.3	764	3.40	11.2	0.8	1.1	2.7	123.5	0.66	1.00	0.10	78	3.29	0.121
92-PMA-093-3	Till Pulp	1.61	63.67	6.20	74.3	192	102.5	19.4	707	3.23	12.8	0.8	3.0	3.2	101.2	0.58	0.88	0.15	79	2.78	0.124
21-PMA-000-10	Till Pulp	1.34	95.61	6.27	74.8	129	40.9	24.6	994	4.48	14.5	1.0	5.5	1.1	54.1	0.33	0.27	0.22	131	1.26	0.077
92-PMA-093-4	Till Pulp	2.02	61.18	6.08	79.5	195	109.5	19.2	685	3.08	10.6	0.8	4.6	2.6	121.5	0.61	1.07	0.10	74	3.10	0.113
94-PMA-019-2	Till Pulp	1.01	47.13	8.99	89.8	136	69.4	16.7	596	3.37	7.4	0.6	0.5	2.8	58.1	0.35	0.48	0.13	62	1.05	0.083
94-PMA-019-3	Till Pulp	1.15	45.97	8.62	90.0	135	69.9	17.9	714	3.37	10.0	0.6	1.0	2.8	58.8	0.38	0.52	0.12	62	1.18	0.081
94-PMA-019-4	Till Pulp	1.31	37.37	12.52	71.1	135	186.2	29.0	1018	3.09	8.1	0.7	3.5	2.4	82.0	0.62	0.48	0.12	55	3.88	0.072
21-PMA-000-11	Till Pulp	0.69	34.48	11.09	83.6	61	34.4	18.4	1310	3.62	12.2	0.5	0.8	3.0	64.1	0.27	0.92	0.12	69	0.78	0.110
94-PMA-019-5	Till Pulp	1.56	46.27	11.58	74.7	109	106.0	17.1	786	3.27	9.9	0.5	1.8	2.6	38.2	0.23	0.60	0.12	58	0.54	0.085
94-PMA-029-2	Till Pulp	2.01	76.48	6.47	97.8	145	74.3	20.7	744	3.51	12.8	0.5	6.0	2.5	128.1	0.97	1.23	0.09	90	4.00	0.128
94-PMA-029-3	Till Pulp	2.77	76.89	6.76	101.6	163	69.9	19.3	767	3.55	12.5	0.6	5.1	2.7	123.1	1.10	1.24	0.09	87	3.82	0.124
94-PMA-029-4	Till Pulp	3.56	89.96	7.14	111.7	213	77.1	21.0	775	3.74	14.4	0.6	5.0	2.8	131.0	1.17	1.34	0.10	93	4.04	0.126
94-PMA-029-5	Till Pulp	3.14	82.78	6.98	108.3	212	81.6	19.6	751	3.74	13.5	0.7	1.9	2.8	137.8	1.06	1.32	0.10	96	4.09	0.138
94-PMA-029-6	Till Pulp	3.13	73.15	6.52	97.2	254	76.7	20.6	786	3.51	9.1	0.7	1.6	2.7	134.9	0.96	1.15	0.09	92	3.94	0.126
94-PMA-029-7	Till Pulp	2.82	74.46	6.73	94.0	255	74.4	20.3	806	3.60	11.9	0.7	1.3	2.5	136.3	0.92	1.10	0.10	93	3.97	0.140
94-PMA-029-8	Till Pulp	2.86	74.35	6.99	92.9	261	72.4	19.0	774	3.49	11.1	0.7	1.0	2.6	135.0	0.93	1.15	0.10	90	3.80	0.133
21-PMA-000-12	Till Pulp	0.78	46.40	15.03	67.8	278	17.3	13.4	1107	3.11	17.5	1.0	140.4	2.9	11.0	0.25	5.56	2.26	51	0.30	0.089
94-PMA-029-9	Till Pulp	3.03	76.20	7.06	96.4	273	77.1	20.1	787	3.56	11.9	0.8	0.8	2.5	138.7	0.95	1.14	0.10	91	3.97	0.138
94-PMA-029-10	Till Pulp	3.02	74.41	7.04	96.2	268	71.1	19.6	788	3.54	12.4	0.8	0.8	2.4	140.7	0.96	1.15	0.09	90	3.88	0.138
94-PMA-035-2	Till Pulp	0.70	31.48	37.83	87.4	195	31.3	18.0	1165	3.45	10.9	0.6	1.7	2.9	77.5	0.31	0.97	0.12	68	1.68	0.102
94-PMA-035-3	Till Pulp	0.67	34.10	12.23	84.7	56	35.4	19.2	1370	3.73	11.4	0.5	0.5	3.2	66.6	0.26	0.89	0.12	74	0.81	0.107
94-PMA-040-2	Till Pulp	0.93	30.63	8.63	76.5	39	44.2	20.0	982	3.89	5.7	0.8	1.2	4.1	75.4	0.12	0.46	0.10	86	0.79	0.141
94-PMA-040-3	Till Pulp	0.66	33.66	8.47	77.5	30	43.0	17.9	773	4.10	5.3	0.9	0.9	4.6	79.7	0.09	0.51	0.10	87	0.83	0.145

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Project: BG_RE_03
Report Date: March 10, 2021

CERTIFICATE OF ANALYSIS VAN21000089.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
92-PMA-067-6	Till Pulp	9.1	91.3	1.38	96.1	0.091	<20	1.14	0.015	0.07	<0.1	7.5	0.08	<0.02	67	0.6	0.03	3.6	0.35	<0.1	0.25
92-PMA-067-7	Till Pulp	10.0	79.6	1.22	105.4	0.089	<20	1.23	0.013	0.07	<0.1	7.5	0.10	<0.02	89	7.7	0.04	4.0	0.66	<0.1	0.24
92-PMA-071-2	Till Pulp	11.4	66.6	1.17	196.2	0.044	<20	1.88	0.018	0.10	<0.1	8.6	0.17	<0.02	79	0.4	0.07	5.7	1.40	<0.1	0.18
92-PMA-093-2	Till Pulp	9.5	113.8	2.02	137.5	0.104	<20	1.68	0.014	0.11	0.2	8.7	0.11	0.04	116	1.2	0.04	5.1	0.92	<0.1	0.24
92-PMA-093-3	Till Pulp	10.9	90.4	1.70	120.9	0.114	<20	1.59	0.012	0.11	0.2	7.9	0.12	0.06	106	1.0	0.04	5.1	1.15	<0.1	0.26
21-PMA-000-10	Till Pulp	6.5	49.1	1.09	68.9	0.227	<20	2.70	0.033	0.05	0.5	7.3	0.06	0.15	91	1.3	0.09	7.8	0.60	<0.1	0.13
92-PMA-093-4	Till Pulp	10.1	98.0	1.71	89.9	0.111	<20	1.50	0.012	0.09	0.2	7.9	0.11	0.02	106	0.6	0.04	5.0	0.81	<0.1	0.20
94-PMA-019-2	Till Pulp	12.2	55.5	1.17	233.2	0.060	<20	1.74	0.019	0.13	<0.1	8.2	0.11	<0.02	97	0.6	0.05	5.4	1.24	<0.1	0.19
94-PMA-019-3	Till Pulp	11.7	55.3	1.17	294.6	0.061	<20	1.71	0.020	0.12	<0.1	8.0	0.12	<0.02	96	0.2	0.05	5.5	1.25	<0.1	0.18
94-PMA-019-4	Till Pulp	11.3	73.7	1.56	260.1	0.056	<20	1.49	0.021	0.10	<0.1	8.1	0.16	<0.02	98	0.2	0.04	4.5	1.16	<0.1	0.12
21-PMA-000-11	Till Pulp	17.1	27.0	0.74	413.6	0.060	<20	1.68	0.035	0.12	<0.1	9.5	0.16	<0.02	72	0.2	0.04	4.9	1.95	<0.1	0.25
94-PMA-019-5	Till Pulp	12.4	70.0	0.99	245.1	0.060	<20	1.61	0.017	0.10	0.2	7.6	0.12	<0.02	110	0.2	0.05	4.9	0.96	<0.1	0.18
94-PMA-029-2	Till Pulp	9.9	79.0	1.47	107.8	0.120	<20	1.84	0.012	0.09	<0.1	10.0	0.12	<0.02	116	0.5	0.05	5.6	0.60	<0.1	0.25
94-PMA-029-3	Till Pulp	10.2	77.8	1.48	109.3	0.116	<20	1.91	0.013	0.10	<0.1	10.7	0.14	<0.02	108	0.4	0.06	5.7	0.58	<0.1	0.23
94-PMA-029-4	Till Pulp	10.3	83.6	1.55	107.5	0.123	<20	1.97	0.013	0.11	<0.1	11.2	0.14	<0.02	116	0.7	0.05	6.1	0.61	<0.1	0.25
94-PMA-029-5	Till Pulp	10.5	88.5	1.72	117.7	0.122	<20	2.06	0.014	0.12	<0.1	11.1	0.15	<0.02	128	0.8	0.05	5.9	0.67	0.1	0.21
94-PMA-029-6	Till Pulp	8.5	86.7	1.70	121.9	0.118	<20	1.92	0.013	0.11	<0.1	10.3	0.13	0.12	155	2.1	0.06	6.0	0.62	<0.1	0.22
94-PMA-029-7	Till Pulp	8.4	84.2	1.67	129.2	0.120	<20	1.97	0.013	0.11	<0.1	9.8	0.13	0.16	140	2.0	0.06	5.6	0.66	<0.1	0.23
94-PMA-029-8	Till Pulp	8.1	81.9	1.62	121.9	0.118	<20	1.90	0.013	0.11	<0.1	9.7	0.14	0.14	135	1.9	0.06	5.8	0.62	<0.1	0.23
21-PMA-000-12	Till Pulp	20.4	26.1	0.55	90.2	0.074	<20	1.78	0.026	0.05	0.1	4.8	0.13	<0.02	102	0.5	0.03	6.5	0.66	<0.1	0.03
94-PMA-029-9	Till Pulp	8.3	80.6	1.69	125.9	0.115	<20	1.92	0.013	0.10	<0.1	9.5	0.13	0.14	191	2.1	0.05	5.8	0.64	<0.1	0.19
94-PMA-029-10	Till Pulp	8.2	80.0	1.69	123.5	0.114	<20	1.92	0.012	0.10	<0.1	9.7	0.13	0.14	151	1.8	0.05	5.9	0.61	<0.1	0.24
94-PMA-035-2	Till Pulp	16.0	28.3	0.74	316.0	0.063	<20	1.62	0.032	0.14	<0.1	9.0	0.13	<0.02	70	<0.1	0.03	4.5	1.87	<0.1	0.17
94-PMA-035-3	Till Pulp	16.9	29.4	0.76	396.2	0.067	<20	1.78	0.035	0.13	<0.1	10.0	0.15	<0.02	71	<0.1	<0.02	5.0	1.91	<0.1	0.17
94-PMA-040-2	Till Pulp	24.8	42.6	0.83	236.6	0.141	<20	1.82	0.068	0.15	<0.1	10.2	0.14	<0.02	45	<0.1	<0.02	5.1	1.73	<0.1	0.03
94-PMA-040-3	Till Pulp	27.3	44.4	0.93	259.5	0.158	<20	2.03	0.070	0.15	<0.1	11.5	0.13	<0.02	54	<0.1	<0.02	5.7	2.06	<0.1	0.02

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	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%	%	%	%	%	%
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01
92-PMA-067-6	Till Pulp	0.05	3.0	0.8	<0.05	7.1	9.03	17.4	0.02	<1	0.3	9.8	<10	<2	58.86	10.58	5.97	3.75	8.41	2.36	1.19
92-PMA-067-7	Till Pulp	0.06	4.3	1.6	<0.05	7.4	8.89	19.8	0.03	2	0.3	10.3	<10	2	62.16	11.85	6.22	3.26	5.52	2.47	1.46
92-PMA-071-2	Till Pulp	0.06	6.8	2.1	<0.05	7.0	11.43	23.8	0.04	<1	0.4	14.1	<10	2	62.71	14.23	6.99	2.78	1.68	2.04	1.63
92-PMA-093-2	Till Pulp	0.06	5.9	6.8	<0.05	8.0	9.96	18.6	0.03	<1	0.2	15.4	<10	3	56.60	12.41	6.50	4.94	6.69	2.34	1.55
92-PMA-093-3	Till Pulp	0.10	7.1	0.9	<0.05	8.0	9.69	20.8	0.02	2	0.3	14.7	<10	2	58.27	12.62	6.39	4.37	6.25	2.54	1.63
21-PMA-000-10	Till Pulp	0.96	2.9	0.6	<0.05	5.5	10.26	15.3	0.03	1	0.2	6.6	<10	3	45.92	13.50	10.74	4.22	6.47	2.00	0.69
92-PMA-093-4	Till Pulp	0.07	5.4	0.7	<0.05	6.8	9.75	19.0	0.03	3	0.4	12.8	<10	3	58.21	12.06	6.36	4.48	6.73	2.44	1.50
94-PMA-019-2	Till Pulp	0.05	7.0	1.0	<0.05	7.4	11.29	24.8	0.04	<1	0.3	14.1	<10	<2	62.87	14.17	6.26	2.76	2.46	2.26	1.71
94-PMA-019-3	Till Pulp	0.06	7.2	0.5	<0.05	7.4	11.05	24.2	0.04	2	0.4	13.8	<10	2	62.73	13.91	6.27	2.79	2.65	2.25	1.71
94-PMA-019-4	Till Pulp	0.06	6.5	6.9	<0.05	5.2	11.97	22.8	0.04	1	0.4	11.8	<10	<2	58.31	11.97	5.51	3.43	6.63	2.11	1.42
21-PMA-000-11	Till Pulp	0.04	10.2	0.7	<0.05	12.3	14.71	37.5	0.05	<1	0.6	10.7	<10	<2	61.35	15.26	6.67	1.79	2.39	2.53	1.89
94-PMA-019-5	Till Pulp	0.06	6.3	6.1	<0.05	7.3	11.82	24.7	0.04	<1	0.4	11.6	<10	<2	65.59	13.12	6.06	2.51	1.90	2.39	1.54
94-PMA-029-2	Till Pulp	0.06	4.0	0.6	<0.05	8.4	10.98	19.3	0.03	<1	0.3	14.5	<10	2	56.25	12.43	6.71	3.89	7.47	2.35	1.43
94-PMA-029-3	Till Pulp	0.03	4.3	0.4	<0.05	8.4	11.01	19.6	0.03	<1	0.2	15.9	<10	2	56.80	12.34	6.77	3.91	7.20	2.33	1.53
94-PMA-029-4	Till Pulp	0.04	4.4	0.3	<0.05	8.6	10.97	20.2	0.04	<1	0.3	17.7	<10	3	56.19	12.48	6.94	3.94	7.20	2.25	1.51
94-PMA-029-5	Till Pulp	0.05	4.8	0.6	<0.05	8.3	11.50	19.9	0.03	6	0.4	17.5	<10	3	55.53	12.64	6.85	4.13	7.20	2.28	1.55
94-PMA-029-6	Till Pulp	0.07	4.5	0.3	<0.05	8.3	10.89	16.6	0.03	2	0.3	16.6	<10	2	55.89	12.46	6.74	4.30	7.43	2.24	1.51
94-PMA-029-7	Till Pulp	0.08	4.6	0.3	<0.05	8.1	11.12	16.3	0.03	4	0.4	16.7	<10	3	56.50	12.21	6.63	4.16	7.38	2.29	1.52
94-PMA-029-8	Till Pulp	0.06	4.3	0.3	<0.05	8.1	11.07	16.1	0.03	5	0.2	16.0	<10	4	56.52	12.40	6.66	4.20	7.27	2.27	1.53
21-PMA-000-12	Till Pulp	1.12	6.4	1.0	<0.05	1.9	13.59	55.0	0.06	<1	0.8	10.3	<10	<2	60.80	13.52	6.91	2.13	2.70	2.80	2.15
94-PMA-029-9	Till Pulp	0.08	4.3	0.6	<0.05	7.4	11.21	16.1	0.03	3	0.6	17.6	<10	3	56.26	12.53	6.61	4.29	7.23	2.28	1.51
94-PMA-029-10	Till Pulp	0.06	4.3	0.5	<0.05	8.3	11.13	16.5	0.02	3	0.4	16.2	<10	2	56.23	12.41	6.72	4.25	7.37	2.24	1.51
94-PMA-035-2	Till Pulp	0.06	9.7	2.6	<0.05	9.3	14.07	35.5	0.03	<1	0.4	11.1	<10	<2	60.03	14.96	6.36	1.79	3.69	2.51	1.92
94-PMA-035-3	Till Pulp	0.04	10.1	1.0	<0.05	11.2	14.60	37.7	0.06	<1	0.9	11.5	<10	<2	60.84	15.60	6.71	1.80	2.45	2.49	1.92
94-PMA-040-2	Till Pulp	0.07	18.1	2.3	<0.05	4.2	17.70	50.5	0.04	<1	0.9	9.2	<10	<2	57.85	15.32	7.66	2.31	3.71	2.84	1.87
94-PMA-040-3	Till Pulp	0.07	20.6	1.7	<0.05	4.5	19.97	50.8	0.05	<1	0.9	10.5	<10	<2	57.55	15.37	7.64	2.35	3.63	2.75	1.85

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_03
Report Date: March 10, 2021

CERTIFICATE OF ANALYSIS VAN21000089.1

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
	Analyte	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
	Unit	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	MDL	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3	5	1	-5.1	0.01	0.02	0.02
92-PMA-067-6	Till Pulp	0.73	0.27	0.10	0.033	59	682	76	138	<20	374	121	35	20	8	19	7.5	99.93	1.37	<0.02
92-PMA-067-7	Till Pulp	0.74	0.24	0.11	0.027	74	841	96	108	21	347	132	47	21	10	20	5.7	99.93	0.76	<0.02
92-PMA-071-2	Till Pulp	0.72	0.20	0.13	0.022	77	941	119	137	22	216	135	31	22	13	19	6.6	99.94	0.32	<0.02
92-PMA-093-2	Till Pulp	0.72	0.30	0.12	0.032	72	813	95	149	23	359	124	30	20	5	21	7.5	99.93	1.30	0.04
92-PMA-093-3	Till Pulp	0.75	0.30	0.12	0.028	71	835	88	125	23	370	155	42	22	10	21	6.5	99.93	1.04	0.06
21-PMA-000-10	Till Pulp	1.33	0.23	0.21	0.025	106	267	103	50	34	268	252	<30	25	9	31	14.4	99.92	4.45	0.15
92-PMA-093-4	Till Pulp	0.74	0.31	0.12	0.032	66	748	93	130	24	367	138	41	21	7	21	6.8	99.93	1.25	0.02
94-PMA-019-2	Till Pulp	0.81	0.20	0.09	0.019	50	931	104	85	<20	243	135	31	22	<5	18	6.1	99.94	0.62	<0.02
94-PMA-019-3	Till Pulp	0.80	0.22	0.11	0.019	50	1009	103	79	23	245	140	59	23	7	19	6.3	99.94	0.66	<0.02
94-PMA-019-4	Till Pulp	0.71	0.19	0.15	0.029	41	852	84	198	27	255	126	53	22	<5	17	9.3	99.94	1.51	<0.02
21-PMA-000-11	Till Pulp	0.90	0.27	0.18	0.010	41	989	99	33	<20	343	160	68	23	6	19	6.5	99.94	0.27	<0.02
94-PMA-019-5	Till Pulp	0.82	0.22	0.12	0.025	51	945	90	119	20	232	149	38	24	6	18	5.5	99.93	0.30	<0.02
94-PMA-029-2	Till Pulp	0.78	0.31	0.12	0.023	78	723	110	77	24	334	122	36	24	6	24		91.93	1.21	<0.02
94-PMA-029-3	Till Pulp	0.75	0.30	0.12	0.022	84	750	121	80	27	312	128	38	24	8	24	7.7	99.94	1.11	<0.02
94-PMA-029-4	Till Pulp	0.75	0.30	0.12	0.023	95	750	127	83	26	314	122	58	23	5	24	8.0	99.93	1.22	<0.02
94-PMA-029-5	Till Pulp	0.75	0.32	0.12	0.024	87	756	121	87	23	324	125	44	23	<5	24	8.4	99.93	1.37	<0.02
94-PMA-029-6	Till Pulp	0.75	0.32	0.12	0.026	83	755	113	81	25	326	120	51	23	9	24	8.0	99.92	1.55	0.13
94-PMA-029-7	Till Pulp	0.73	0.32	0.12	0.025	79	747	109	85	<20	320	124	37	22	6	23	7.9	99.93	1.55	0.16
94-PMA-029-8	Till Pulp	0.75	0.33	0.12	0.025	80	750	113	79	25	328	122	33	25	7	23	7.7	99.93	1.54	0.14
21-PMA-000-12	Till Pulp	0.95	0.22	0.19	0.010	47	652	87	<20	<20	296	503	90	30	9	14	7.4	99.94	2.10	<0.02
94-PMA-029-9	Till Pulp	0.75	0.31	0.12	0.026	76	713	108	86	<20	335	124	47	22	6	22	7.8	99.94	1.52	0.13
94-PMA-029-10	Till Pulp	0.74	0.32	0.12	0.027	77	717	105	86	21	329	123	46	22	9	23	7.8	99.94	1.56	0.14
94-PMA-035-2	Till Pulp	0.89	0.27	0.16	0.012	40	915	105	34	<20	354	150	50	24	11	18	7.2	99.94	0.62	<0.02
94-PMA-035-3	Till Pulp	0.91	0.28	0.19	0.013	40	1034	102	35	22	358	160	47	25	12	20	6.5	99.94	0.29	<0.02
94-PMA-040-2	Till Pulp	1.02	0.40	0.15	0.013	40	1131	99	51	21	523	211	75	25	12	19	6.5	99.94	0.16	<0.02
94-PMA-040-3	Till Pulp	1.01	0.40	0.12	0.014	41	1154	98	46	21	516	215	59	27	9	19	7.0	99.94	0.16	<0.02

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_03
Report Date: March 10, 2021

QUALITY CONTROL REPORT VAN21000089.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
91-PMA-348-3	Till Pulp	1.77	55.81	15.95	100.1	206	100.3	22.7	777	3.84	12.2	1.3	1.2	8.6	103.2	0.53	0.75	0.36	69	2.69	0.101
91-PMA-425-4	Till Pulp	1.29	97.51	8.67	35.3	23	10.7	12.0	680	2.97	4.3	0.9	21.6	2.9	42.2	0.11	0.40	0.22	65	0.53	0.155
94-PMA-035-2	Till Pulp	0.70	31.48	37.83	87.4	195	31.3	18.0	1165	3.45	10.9	0.6	1.7	2.9	77.5	0.31	0.97	0.12	68	1.68	0.102
Pulp Duplicates																					
91-PMA-210-3	Till Pulp	0.54	37.11	3.73	32.7	37	22.2	8.3	393	2.27	6.3	0.5	1.8	2.2	49.6	0.16	0.54	0.06	77	0.76	0.120
REP 91-PMA-210-3	QC																				
91-PMA-329-2	Till Pulp	1.01	73.82	8.36	48.0	95	21.3	14.8	703	3.08	2.7	1.3	7.3	8.4	70.2	0.20	0.32	0.17	96	1.14	0.137
REP 91-PMA-329-2	QC																				
91-PMA-329-4	Till Pulp	0.64	61.79	8.18	47.9	124	20.5	14.2	709	2.97	2.6	0.9	23.2	8.3	61.4	0.17	0.31	0.17	92	1.03	0.139
REP 91-PMA-329-4	QC	0.64	61.64	8.15	46.8	116	20.3	13.8	701	2.94	2.9	1.0	4.5	8.5	58.9	0.19	0.32	0.17	89	1.01	0.141
91-PMA-410-2	Till Pulp	1.39	126.33	8.25	71.1	139	69.7	29.0	1021	4.73	16.1	0.4	4.1	3.0	50.8	0.17	0.70	0.14	129	0.95	0.124
REP 91-PMA-410-2	QC																				
91-PMA-420-4	Till Pulp	0.63	160.09	3.93	70.2	85	41.0	32.2	1193	5.03	3.4	0.4	17.0	1.9	84.4	0.11	0.24	0.12	164	1.21	0.216
REP 91-PMA-420-4	QC																				
91-PMA-420-6	Till Pulp	3.20	333.00	7.51	80.1	604	24.8	28.1	2356	5.66	4.2	0.8	37.0	3.1	50.8	0.44	0.72	0.23	103	0.78	0.231
REP 91-PMA-420-6	QC	3.24	328.47	7.40	76.6	582	23.7	28.8	2343	5.65	4.1	0.8	39.1	3.1	50.6	0.45	0.74	0.23	102	0.77	0.233
92-PMA-009-2	Till Pulp	0.87	45.76	5.70	71.1	97	1000.0	74.5	1089	4.32	5.1	0.4	1.3	1.7	20.9	0.29	0.34	0.09	48	0.38	0.057
REP 92-PMA-009-2	QC																				
21-PMA-000-11	Till Pulp	0.69	34.48	11.09	83.6	61	34.4	18.4	1310	3.62	12.2	0.5	0.8	3.0	64.1	0.27	0.92	0.12	69	0.78	0.110
REP 21-PMA-000-11	QC																				
94-PMA-029-2	Till Pulp	2.01	76.48	6.47	97.8	145	74.3	20.7	744	3.51	12.8	0.5	6.0	2.5	128.1	0.97	1.23	0.09	90	4.00	0.128
REP 94-PMA-029-2	QC	2.04	74.99	6.56	93.5	141	72.9	19.9	762	3.55	13.1	0.6	3.5	2.6	132.6	0.92	1.09	0.09	90	4.09	0.122
94-PMA-029-10	Till Pulp	3.02	74.41	7.04	96.2	268	71.1	19.6	788	3.54	12.4	0.8	0.8	2.4	140.7	0.96	1.15	0.09	90	3.88	0.138
REP 94-PMA-029-10	QC																				
94-PMA-040-2	Till Pulp	0.93	30.63	8.63	76.5	39	44.2	20.0	982	3.89	5.7	0.8	1.2	4.1	75.4	0.12	0.46	0.10	86	0.79	0.141
REP 94-PMA-040-2	QC	0.88	30.47	8.62	74.6	41	42.4	19.0	973	3.93	5.6	0.8	1.6	4.2	74.2	0.12	0.50	0.10	86	0.79	0.144
Reference Materials																					
STD BVGEO01	Standard	10.58	4285.88	188.24	1749.3	2568	154.4	24.8	717	3.59	124.3	3.9	216.8	16.1	53.3	6.44	3.14	25.38	71	1.29	0.075
STD BVGEO01	Standard	10.81	4444.56	189.92	1722.7	2629	165.2	26.0	735	3.71	122.6	3.6	218.1	14.7	55.1	7.01	2.74	25.15	76	1.32	0.076

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Project: BG_RE_03
Report Date: March 10, 2021

QUALITY CONTROL REPORT VAN21000089.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
91-PMA-348-3	Till Pulp	24.8	83.0	1.49	227.6	0.107	<20	2.03	0.020	0.33	0.3	8.0	0.25	<0.02	82	0.8	0.04	5.8	2.51	<0.1	0.11
91-PMA-425-4	Till Pulp	12.8	20.2	0.49	67.9	0.078	<20	1.01	0.007	0.14	0.4	4.6	0.06	<0.02	82	0.2	0.11	3.7	0.91	<0.1	0.04
94-PMA-035-2	Till Pulp	16.0	28.3	0.74	316.0	0.063	<20	1.62	0.032	0.14	<0.1	9.0	0.13	<0.02	70	<0.1	0.03	4.5	1.87	<0.1	0.17
Pulp Duplicates																					
91-PMA-210-3	Till Pulp	11.3	36.0	0.43	81.5	0.126	<20	1.11	0.025	0.05	0.2	5.5	0.03	<0.02	50	0.2	<0.02	3.6	0.42	<0.1	0.21
REP 91-PMA-210-3	QC																				
91-PMA-329-2	Till Pulp	17.6	43.3	0.89	192.0	0.116	<20	1.45	0.029	0.30	0.2	6.1	0.11	<0.02	60	0.2	0.04	5.1	1.75	<0.1	0.14
REP 91-PMA-329-2	QC																				
91-PMA-329-4	Till Pulp	17.5	38.6	0.83	171.3	0.111	<20	1.35	0.025	0.27	0.2	5.7	0.11	<0.02	63	<0.1	0.05	4.7	1.75	<0.1	0.13
REP 91-PMA-329-4	QC	17.8	38.4	0.82	174.7	0.106	<20	1.33	0.023	0.27	0.2	5.5	0.10	<0.02	64	<0.1	0.04	4.6	1.73	<0.1	0.13
91-PMA-410-2	Till Pulp	11.8	106.3	1.54	199.6	0.143	<20	2.29	0.022	0.39	0.2	10.0	0.19	<0.02	89	0.2	0.05	7.3	3.01	0.1	0.10
REP 91-PMA-410-2	QC																				
91-PMA-420-4	Till Pulp	8.0	122.8	2.27	191.9	0.184	<20	2.56	0.008	0.55	0.3	9.7	0.12	<0.02	53	0.1	0.09	8.0	2.84	0.1	0.09
REP 91-PMA-420-4	QC																				
91-PMA-420-6	Till Pulp	14.1	59.3	1.23	219.2	0.092	<20	1.77	0.009	0.23	0.3	15.2	0.08	<0.02	92	0.3	0.15	5.7	3.26	<0.1	0.06
REP 91-PMA-420-6	QC	14.7	56.7	1.22	232.1	0.089	<20	1.75	0.007	0.23	0.3	15.0	0.07	<0.02	82	0.2	0.15	5.7	3.25	<0.1	0.05
92-PMA-009-2	Till Pulp	7.8	306.4	8.54	125.1	0.060	<20	1.32	0.013	0.08	0.1	7.9	0.12	<0.02	259	0.2	0.03	3.8	0.91	0.1	0.08
REP 92-PMA-009-2	QC																				
21-PMA-000-11	Till Pulp	17.1	27.0	0.74	413.6	0.060	<20	1.68	0.035	0.12	<0.1	9.5	0.16	<0.02	72	0.2	0.04	4.9	1.95	<0.1	0.25
REP 21-PMA-000-11	QC																				
94-PMA-029-2	Till Pulp	9.9	79.0	1.47	107.8	0.120	<20	1.84	0.012	0.09	<0.1	10.0	0.12	<0.02	116	0.5	0.05	5.6	0.60	<0.1	0.25
REP 94-PMA-029-2	QC	10.1	77.9	1.48	111.0	0.120	<20	1.88	0.010	0.09	<0.1	10.5	0.12	<0.02	112	0.6	0.05	5.6	0.58	<0.1	0.26
94-PMA-029-10	Till Pulp	8.2	80.0	1.69	123.5	0.114	<20	1.92	0.012	0.10	<0.1	9.7	0.13	0.14	151	1.8	0.05	5.9	0.61	<0.1	0.24
REP 94-PMA-029-10	QC																				
94-PMA-040-2	Till Pulp	24.8	42.6	0.83	236.6	0.141	<20	1.82	0.068	0.15	<0.1	10.2	0.14	<0.02	45	<0.1	<0.02	5.1	1.73	<0.1	0.03
REP 94-PMA-040-2	QC	24.5	42.3	0.82	238.4	0.144	<20	1.82	0.069	0.15	<0.1	10.3	0.14	<0.02	44	<0.1	<0.02	5.0	1.75	<0.1	0.03
Reference Materials																					
STD BVGEO01	Standard	26.6	162.6	1.24	338.3	0.234	<20	2.20	0.172	0.85	3.9	5.9	0.62	0.64	90	4.6	0.93	7.1	7.30	0.2	0.24
STD BVGEO01	Standard	27.8	171.9	1.28	354.1	0.236	<20	2.26	0.181	0.85	4.1	5.7	0.64	0.68	102	5.0	1.00	7.4	7.75	0.2	0.33

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Bureau Veritas Commodities Canada Ltd.

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_03
Report Date: March 10, 2021

QUALITY CONTROL REPORT VAN21000089.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%	%	%	%	%	%
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01
91-PMA-348-3	Till Pulp	0.13	28.6	1.1	<0.05	5.0	12.06	45.8	0.04	1	0.5	27.0	<10	<2	56.84	14.27	7.06	3.76	5.25	1.74	2.43
91-PMA-425-4	Till Pulp	0.22	15.2	0.9	<0.05	2.4	12.50	23.9	<0.02	<1	0.3	4.8	<10	2	67.29	13.03	5.66	1.27	2.45	3.41	3.17
94-PMA-035-2	Till Pulp	0.06	9.7	2.6	<0.05	9.3	14.07	35.5	0.03	<1	0.4	11.1	<10	<2	60.03	14.96	6.36	1.79	3.69	2.51	1.92
Pulp Duplicates																					
91-PMA-210-3	Till Pulp	0.07	2.9	0.3	<0.05	6.5	8.19	21.7	<0.02	<1	0.3	5.3	<10	2	68.39	12.57	4.73	1.75	3.72	3.21	1.82
REP 91-PMA-210-3	QC														68.51	12.50	4.68	1.73	3.71	3.26	1.81
91-PMA-329-2	Till Pulp	0.11	18.0	3.2	<0.05	3.6	8.60	32.3	0.02	<1	0.4	14.7	<10	<2	60.54	14.49	6.66	2.96	4.85	3.11	2.78
REP 91-PMA-329-2	QC																				
91-PMA-329-4	Till Pulp	0.11	16.4	2.3	<0.05	3.8	8.79	32.5	0.02	<1	0.3	14.2	14	<2	61.69	14.07	6.56	2.75	4.62	3.10	2.67
REP 91-PMA-329-4	QC	0.11	16.2	2.6	<0.05	3.8	8.73	32.8	<0.02	<1	0.4	14.5	<10	<2							
91-PMA-410-2	Till Pulp	0.09	48.3	0.6	<0.05	5.1	12.47	21.9	0.03	<1	0.5	19.5	19	5	58.26	13.22	8.74	3.97	3.76	2.44	2.09
REP 91-PMA-410-2	QC														58.59	13.10	8.77	3.94	3.72	2.33	2.01
91-PMA-420-4	Till Pulp	<0.02	34.5	0.3	<0.05	2.9	10.48	15.9	0.02	<1	0.3	18.1	11	6	52.37	12.97	10.48	6.48	5.91	2.03	2.25
REP 91-PMA-420-4	QC																				
91-PMA-420-6	Till Pulp	0.05	17.6	0.2	<0.05	2.7	21.03	26.3	0.07	<1	0.6	12.1	11	3	54.62	14.57	11.09	3.72	3.85	2.73	2.67
REP 91-PMA-420-6	QC	0.04	17.8	0.2	<0.05	2.6	21.73	26.8	0.07	<1	0.9	11.7	<10	3							
92-PMA-009-2	Till Pulp	<0.02	4.7	0.8	<0.05	3.4	7.37	17.0	0.03	<1	0.4	10.2	<10	3	53.27	8.45	7.41	15.56	1.25	1.18	1.04
REP 92-PMA-009-2	QC														52.91	8.49	7.50	15.72	1.27	1.20	1.05
21-PMA-000-11	Till Pulp	0.04	10.2	0.7	<0.05	12.3	14.71	37.5	0.05	<1	0.6	10.7	<10	<2	61.35	15.26	6.67	1.79	2.39	2.53	1.89
REP 21-PMA-000-11	QC																				
94-PMA-029-2	Till Pulp	0.06	4.0	0.6	<0.05	8.4	10.98	19.3	0.03	<1	0.3	14.5	<10	2	56.25	12.43	6.71	3.89	7.47	2.35	1.43
REP 94-PMA-029-2	QC	0.05	4.1	0.6	<0.05	8.9	11.39	19.6	0.03	<1	0.4	15.2	<10	3							
94-PMA-029-10	Till Pulp	0.06	4.3	0.5	<0.05	8.3	11.13	16.5	0.02	3	0.4	16.2	<10	2	56.23	12.41	6.72	4.25	7.37	2.24	1.51
REP 94-PMA-029-10	QC														56.42	12.33	6.71	4.23	7.31	2.21	1.52
94-PMA-040-2	Till Pulp	0.07	18.1	2.3	<0.05	4.2	17.70	50.5	0.04	<1	0.9	9.2	<10	<2	57.85	15.32	7.66	2.31	3.71	2.84	1.87
REP 94-PMA-040-2	QC	0.07	17.9	2.3	<0.05	4.4	17.78	50.4	0.05	<1	0.5	9.2	<10	<2							
Reference Materials																					
STD BVGEO01	Standard	0.19	92.0	5.5	<0.05	8.1	14.27	53.5	0.49	3	0.5	21.5	173	176							
STD BVGEO01	Standard	0.20	97.0	5.8	<0.05	8.8	14.95	55.9	0.44	4	0.8	22.3	151	190							

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_03
Report Date: March 10, 2021

QUALITY CONTROL REPORT VAN21000089.1

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
	Analyte	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
	Unit	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	MDL	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3	5	1	-5.1	0.01	0.02	0.02
91-PMA-348-3	Till Pulp	0.76	0.27	0.12	0.027	69	1041	122	130	<20	260	183	88	27	22	19	7.2	99.93	1.14	<0.02
91-PMA-425-4	Till Pulp	0.59	0.37	0.11	0.007	96	793	41	<20	<20	366	186	<30	21	<5	12	2.4	99.95	0.10	<0.02
94-PMA-035-2	Till Pulp	0.89	0.27	0.16	0.012	40	915	105	34	<20	354	150	50	24	11	18	7.2	99.94	0.62	<0.02
Pulp Duplicates																				
91-PMA-210-3	Till Pulp	0.79	0.27	0.09	0.020	38	941	44	26	<20	493	197	32	21	13	16	2.4	99.94	0.08	<0.02
REP 91-PMA-210-3	QC	0.79	0.27	0.09	0.019	40	928	43	26	<20	490	194	34	20	6	15	2.4	99.94		
91-PMA-329-2	Till Pulp	0.67	0.32	0.14	0.012	83	1010	66	30	<20	464	202	40	19	15	17	3.2	99.92	0.25	<0.02
REP 91-PMA-329-2	QC																		0.25	<0.02
91-PMA-329-4	Till Pulp	0.67	0.33	0.14	0.011	71	1006	64	28	<20	451	205	54	20	12	17	3.1	99.91	0.21	<0.02
REP 91-PMA-329-4	QC																			
91-PMA-410-2	Till Pulp	0.76	0.32	0.17	0.027	128	849	82	77	30	348	116	36	21	6	22	6.0	99.93	0.32	<0.02
REP 91-PMA-410-2	QC	0.75	0.33	0.16	0.026	128	854	83	77	23	346	118	40	22	6	22	6.0	99.92		
91-PMA-420-4	Till Pulp	0.88	0.49	0.21	0.024	169	631	92	48	37	438	81	<30	19	<5	31	5.6	99.91	0.12	<0.02
REP 91-PMA-420-4	QC																		0.12	<0.02
91-PMA-420-6	Till Pulp	0.78	0.52	0.34	0.014	342	771	88	29	28	370	114	<30	29	<5	32	4.8	99.92	0.16	<0.02
REP 91-PMA-420-6	QC																			
92-PMA-009-2	Till Pulp	0.61	0.15	0.15	0.137	46	656	88	1058	72	116	95	<30	14	6	15	10.5	99.95	0.47	<0.02
REP 92-PMA-009-2	QC	0.62	0.14	0.15	0.142	48	659	88	1061	73	117	95	35	14	6	16	10.5	99.94		
21-PMA-000-11	Till Pulp	0.90	0.27	0.18	0.010	41	989	99	33	<20	343	160	68	23	6	19	6.5	99.94	0.27	<0.02
REP 21-PMA-000-11	QC																		0.28	<0.02
94-PMA-029-2	Till Pulp	0.78	0.31	0.12	0.023	78	723	110	77	24	334	122	36	24	6	24		91.93	1.21	<0.02
REP 94-PMA-029-2	QC																			
94-PMA-029-10	Till Pulp	0.74	0.32	0.12	0.027	77	717	105	86	21	329	123	46	22	9	23	7.8	99.94	1.56	0.14
REP 94-PMA-029-10	QC	0.74	0.33	0.12	0.027	80	725	106	87	23	328	128	36	24	13	23	7.8	99.94		
94-PMA-040-2	Till Pulp	1.02	0.40	0.15	0.013	40	1131	99	51	21	523	211	75	25	12	19	6.5	99.94	0.16	<0.02
REP 94-PMA-040-2	QC																		0.15	<0.02
Reference Materials																				
STD BVGEO01	Standard																			
STD BVGEO01	Standard																			

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_03
Report Date: March 10, 2021

QUALITY CONTROL REPORT VAN21000089.1

		AQ250 Mo ppm 0.01	AQ250 Cu ppm 0.01	AQ250 Pb ppm 0.01	AQ250 Zn ppm 0.1	AQ250 Ag ppb 2	AQ250 Ni ppm 0.1	AQ250 Co ppm 0.1	AQ250 Mn ppm 1	AQ250 Fe % 0.01	AQ250 As ppm 0.1	AQ250 U ppm 0.1	AQ250 Au ppb 0.2	AQ250 Th ppm 0.1	AQ250 Sr ppm 0.5	AQ250 Cd ppm 0.01	AQ250 Sb ppm 0.02	AQ250 Bi ppm 0.02	AQ250 V ppm 1	AQ250 Ca % 0.01	AQ250 P % 0.001
STD DS11	Standard	14.89	146.68	134.88	344.6	1642	82.7	14.1	1066	3.10	45.6	2.8	77.3	8.1	67.4	2.31	8.17	11.48	50	1.06	0.071
STD DS11	Standard	13.62	148.06	138.30	355.2	1768	79.6	14.4	1025	3.02	50.3	2.8	182.4	7.7	64.6	2.70	8.32	12.06	46	1.03	0.074
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD OREAS262	Standard	0.67	115.64	57.46	152.0	458	64.9	28.2	560	3.33	38.5	1.2	61.1	9.6	35.8	0.63	3.46	1.06	21	3.04	0.040
STD OREAS262	Standard	0.71	119.68	63.62	158.3	494	69.6	29.8	582	3.38	38.2	1.5	64.0	11.1	38.4	0.63	3.09	1.14	23	3.28	0.041
STD OREAS262	Standard	0.74	121.40	56.73	158.4	510	64.5	26.8	562	3.38	36.3	1.2	60.5	9.3	37.2	0.70	3.22	1.05	22	3.19	0.041
STD OREAS262	Standard	0.71	116.75	55.46	149.4	481	64.6	27.9	553	3.27	38.5	1.2	71.7	9.3	36.3	0.70	4.07	1.05	20	3.09	0.041
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
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STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD BVGEO01 Expected		10.8	4415	187	1741	2530	163	25	733	3.7	121	3.77	219	14.4	55	6.5	2.2	25.6	73	1.3219	0.0727
STD DS11 Expected		13.9	149	138	345	1710	77.7	14.2	1055	3.1	42.8	2.59	79	7.65	67.3	2.37	7.2	12.2	50	1.063	0.0701
STD OREAS262 Expected		0.68	118	56	154	450	62	26.9	530	3.284	35.8	1.22	65	9.33	36	0.61	3.39	1.03	22.5	2.98	0.04
STD SO-19 Expected																					
BLK	Blank																				
BLK	Blank																				

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Project: BG_RE_03
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QUALITY CONTROL REPORT VAN21000089.1

		AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
STD DS11	Standard	19.0	61.1	0.86	419.7	0.095	<20	1.16	0.071	0.40	2.7	3.3	4.83	0.28	257	2.5	4.41	5.4	2.91	0.1	0.06
STD DS11	Standard	17.6	56.8	0.83	424.9	0.082	<20	1.07	0.066	0.39	3.1	3.1	5.12	0.27	279	2.3	4.76	5.2	3.11	<0.1	0.08
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD OREAS262	Standard	14.8	42.4	1.19	250.2	0.003	<20	1.18	0.068	0.29	0.1	3.9	0.44	0.26	165	0.4	0.25	3.8	2.36	<0.1	0.20
STD OREAS262	Standard	18.7	46.6	1.24	274.1	0.003	<20	1.35	0.072	0.33	0.1	3.4	0.50	0.27	169	0.5	0.22	4.1	2.69	<0.1	0.18
STD OREAS262	Standard	17.5	44.8	1.21	267.8	0.003	<20	1.28	0.067	0.31	0.1	3.8	0.48	0.27	180	0.6	0.20	4.3	2.75	<0.1	0.23
STD OREAS262	Standard	15.1	40.6	1.19	254.2	0.003	<20	1.16	0.068	0.29	0.1	3.7	0.47	0.26	175	0.6	0.23	4.0	2.81	<0.1	0.19
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
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STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD BVGEO01 Expected		25.9	171	1.2963	340	0.233		2.347	0.1924	0.89	3.5	5.97	0.62	0.6655	100	4.84	1.02	7.37	7.36	0.15	0.32
STD DS11 Expected		18.6	61.5	0.85	417	0.0976		1.129	0.0694	0.4	2.9	3.1	4.9	0.2835	260	2.2	4.56	4.7	2.88	0.08	0.06
STD OREAS262 Expected		15.9	41.7	1.17	248	0.003		1.3	0.071	0.312	0.13	3.24	0.47	0.269	170	0.4	0.23	3.9	2.8		0.17
STD SO-19 Expected																					
BLK	Blank																				
BLK	Blank																				

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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: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_03
Report Date: March 10, 2021

QUALITY CONTROL REPORT VAN21000089.1

		AQ250 Nb ppm 0.02	AQ250 Rb ppm 0.1	AQ250 Sn ppm 0.1	AQ250 Ta ppm 0.05	AQ250 Zr ppm 0.1	AQ250 Y ppm 0.01	AQ250 Ce ppm 0.1	AQ250 In ppm 0.02	AQ250 Re ppb 1	AQ250 Be ppm 0.1	AQ250 Li ppm 0.1	AQ250 Pd ppb 10	AQ250 Pt ppb 2	LF300 SiO2 % 0.01	LF300 Al2O3 % 0.01	LF300 Fe2O3 % 0.04	LF300 MgO % 0.01	LF300 CaO % 0.01	LF300 Na2O % 0.01	LF300 K2O % 0.01
STD DS11	Standard	1.15	33.9	1.8	<0.05	2.7	8.16	37.5	0.26	43	0.7	22.4	108	173							
STD DS11	Standard	1.20	35.0	1.7	<0.05	3.0	7.63	34.7	0.27	51	0.5	22.4	100	181							
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD OREAS262	Standard	<0.02	17.4	0.5	<0.05	8.3	10.40	30.4	0.04	1	0.9	16.7	<10	<2							
STD OREAS262	Standard	<0.02	20.3	0.5	<0.05	7.5	11.38	37.0	0.03	<1	1.5	18.5	<10	2							
STD OREAS262	Standard	<0.02	20.2	0.5	<0.05	8.5	11.47	34.6	0.03	1	0.9	19.1	<10	<2							
STD OREAS262	Standard	<0.02	18.6	0.5	<0.05	7.8	10.75	30.7	0.04	2	1.4	17.6	<10	<2							
STD SO-19	Standard														60.48	13.97	7.54	2.91	5.88	4.06	1.26
STD SO-19	Standard														60.85	13.92	7.38	2.86	5.83	4.02	1.26
STD SO-19	Standard														60.52	13.93	7.46	2.90	5.92	4.08	1.28
STD SO-19	Standard														60.51	13.92	7.47	2.89	5.96	4.07	1.26
STD SO-19	Standard														60.47	13.89	7.45	2.90	5.89	4.17	1.31
STD SO-19	Standard														60.51	13.97	7.40	2.94	5.89	4.03	1.28
STD SO-19	Standard														60.45	13.96	7.42	2.92	5.98	4.07	1.29
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD BVGEO01 Expected		0.17	95	5.64		9.1	14.5	53	0.47	4	0.69	21.4	134	182							
STD DS11 Expected		1.2	33.6	1.8		2.4	7.82	37	0.24	50	0.67	23.3	100	172							
STD OREAS262 Expected			18.6	0.5		7.7	11.2	32	0.033		1.14	17.8									
STD SO-19 Expected															61.13	13.95	7.47	2.88	6	4.11	1.29
BLK	Blank														<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01
BLK	Blank														0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_03
Report Date: March 10, 2021

QUALITY CONTROL REPORT VAN21000089.1

		LF300 TiO2 % 0.01	LF300 P2O5 % 0.01	LF300 MnO % 0.01	LF300 Cr2O3 % 0.002	LF300 Cu ppm 5	LF300 Ba ppm 5	LF300 Zn ppm 5	LF300 Ni ppm 20	LF300 Co ppm 20	LF300 Sr ppm 2	LF300 Zr ppm 5	LF300 Ce ppm 30	LF300 Y ppm 3	LF300 Nb ppm 5	LF300 Sc ppm 1	LF300 LOI % -5.1	LF300 Sum % 0.01	TC000 TOT/C % 0.02	TC000 TOT/S % 0.02
STD DS11	Standard																			
STD DS11	Standard																			
STD GS311-1	Standard																		1.00	2.25
STD GS311-1	Standard																		1.03	2.22
STD GS311-1	Standard																		1.02	2.32
STD GS311-1	Standard																		1.02	2.19
STD GS910-4	Standard																		2.73	8.33
STD GS910-4	Standard																		2.81	8.33
STD GS910-4	Standard																		2.78	8.59
STD GS910-4	Standard																		2.66	8.46
STD OREAS262	Standard																			
STD OREAS262	Standard																			
STD OREAS262	Standard																			
STD OREAS262	Standard																			
STD SO-19	Standard	0.70	0.35	0.13	0.499	73	464	84	467	21	307	113	150	35	66	28	1.9	99.91		
STD SO-19	Standard	0.69	0.33	0.13	0.491	71	454	83	464	<20	307	111	146	33	64	27	1.9	99.90		
STD SO-19	Standard	0.71	0.33	0.13	0.503	66	473	80	466	25	322	116	159	35	67	29	1.9	99.92		
STD SO-19	Standard	0.70	0.34	0.13	0.506	67	474	82	468	26	320	115	156	35	71	29	1.9	99.91		
STD SO-19	Standard	0.70	0.35	0.13	0.496	69	485	83	484	25	317	115	148	36	73	29	1.9	99.91		
STD SO-19	Standard	0.72	0.35	0.13	0.511	67	489	84	483	25	325	116	156	37	71	30	1.9	99.91		
STD SO-19	Standard	0.70	0.31	0.13	0.497	83	470	88	477	23	314	119	139	35	70	26	1.9	99.89		
STD GS311-1 Expected																			1.02	2.35
STD GS910-4 Expected																			2.65	8.27
STD BVGEO01 Expected																				
STD DS11 Expected																				
STD OREAS262 Expected																				
STD SO-19 Expected		0.69	0.32	0.13	0.5	69	486	75	470	24	317.1	112	161	35.5	68.5	27				
BLK	Blank	<0.01	<0.01	<0.01	<0.002	<5	<5	<5	<20	<20	<2	<5	<30	<3	<5	<1	0.0	<0.01		
BLK	Blank	<0.01	<0.01	<0.01	<0.002	<5	<5	<5	<20	<20	<2	<5	<30	<3	<5	<1	0.0	<0.01		

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QUALITY CONTROL REPORT VAN21000089.1

		AQ250 Mo ppm 0.01	AQ250 Cu ppm 0.01	AQ250 Pb ppm 0.01	AQ250 Zn ppm 0.1	AQ250 Ag ppb 2	AQ250 Ni ppm 0.1	AQ250 Co ppm 0.1	AQ250 Mn ppm 1	AQ250 Fe % 0.01	AQ250 As ppm 0.1	AQ250 U ppm 0.1	AQ250 Au ppb 0.2	AQ250 Th ppm 0.1	AQ250 Sr ppm 0.5	AQ250 Cd ppm 0.01	AQ250 Sb ppm 0.02	AQ250 Bi ppm 0.02	AQ250 V ppm 1	AQ250 Ca % 0.01	AQ250 P % 0.001
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	0.2	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001
BLK	Blank																				

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QUALITY CONTROL REPORT VAN21000089.1

		AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank																				

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Project: BG_RE_03
Report Date: March 10, 2021

QUALITY CONTROL REPORT VAN21000089.1

		AQ250 Nb ppm 0.02	AQ250 Rb ppm 0.1	AQ250 Sn ppm 0.1	AQ250 Ta ppm 0.05	AQ250 Zr ppm 0.1	AQ250 Y ppm 0.01	AQ250 Ce ppm 0.1	AQ250 In ppm 0.02	AQ250 Re ppb 1	AQ250 Be ppm 0.1	AQ250 Li ppm 0.1	AQ250 Pd ppb 10	AQ250 Pt ppb 2	LF300 SiO2 % 0.01	LF300 Al2O3 % 0.01	LF300 Fe2O3 % 0.04	LF300 MgO % 0.01	LF300 CaO % 0.01	LF300 Na2O % 0.01	LF300 K2O % 0.01
BLK	Blank														<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.02	<0.1	<0.1	<0.05	0.2	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							
BLK	Blank	<0.02	<0.1	<0.1	<0.05	0.3	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							
BLK	Blank	<0.02	<0.1	<0.1	<0.05	0.2	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							
BLK	Blank	<0.02	<0.1	<0.1	<0.05	0.3	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							
BLK	Blank														0.04	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01

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Report Date: March 10, 2021

QUALITY CONTROL REPORT VAN21000089.1

		LF300 TiO2 % 0.01	LF300 P2O5 % 0.01	LF300 MnO % 0.01	LF300 Cr2O3 % 0.002	LF300 Cu ppm 5	LF300 Ba ppm 5	LF300 Zn ppm 5	LF300 Ni ppm 20	LF300 Co ppm 20	LF300 Sr ppm 2	LF300 Zr ppm 5	LF300 Ce ppm 30	LF300 Y ppm 3	LF300 Nb ppm 5	LF300 Sc ppm 1	LF300 LOI % -5.1	LF300 Sum % 0.01	TC000 TOT/C % 0.02	TC000 TOT/S % 0.02
BLK	Blank	<0.01	<0.01	<0.01	<0.002	<5	<5	<5	<20	<20	<2	<5	<30	<3	<5	<1	0.0	<0.01		
BLK	Blank																		<0.02	<0.02
BLK	Blank																		<0.02	<0.02
BLK	Blank																		<0.02	<0.02
BLK	Blank																		<0.02	<0.02
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank	<0.01	<0.01	<0.01	<0.002	18	<5	15	<20	<20	<2	8	<30	<3	<5	<1	0.0	0.09		

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Submitted By:	Wayne Jackaman
Receiving Lab:	Canada-Vancouver
Received:	December 30, 2022
Analysis Start:	January 06, 2023
Report Date:	February 07, 2023
Page:	1 of 7

CERTIFICATE OF ANALYSIS VAN22003529.1

CLIENT JOB INFORMATION

Project:	CICGR22_TILL_RE_2
Shipment ID:	
P.O. Number	
Number of Samples:	153

SAMPLE DISPOSAL

IMM-PLP	Return immediately after analysis
IMM-RJT	Return immediately after analysis

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
SS230	146	Dry at 60C sieve 100g to -230 mesh			VAN
SLBHP	7	Sort, label and box pulps			VAN
LF302-EXT	153	LiBO2/LiB4O7 fusion ICP-ES analysis	0.2	Completed	VAN
AQ250_EXT	153	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	0.5	Completed	VAN
SVRJT	146	Save all or part of Soil Reject			VAN
HANDX	2	Special Handling - see Job Notes			VAN

ADDITIONAL COMMENTS

Invoice To: Noble Exploration Services Ltd.
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1
Canada

CC:

Martin Wong
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.

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PHONE (604) 253-3158

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

CERTIFICATE OF ANALYSIS VAN22003529.1

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y
	Unit	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3
90-PMA-0153	Till	62.44	14.48	6.65	1.86	2.99	2.99	1.79	0.93	0.33	0.14	0.013	35	1074	101	35	<20	470	186	67	24
91-PMA-0094-2	Till	65.47	13.04	5.87	2.17	3.51	2.67	1.58	0.88	0.20	0.12	0.020	42	771	97	45	<20	320	257	59	24
92-PMA-0117	Till	51.85	12.22	8.10	6.42	11.60	2.23	0.92	0.82	0.21	0.16	0.073	138	435	127	91	33	376	110	49	26
92-PMA-0117-b	Rock Pulp	71.83	12.15	4.01	1.71	3.30	3.43	1.41	0.38	0.13	0.07	0.015	159	460	234	90	53	397	163	48	11
92-PMA-0118	Till	60.27	13.02	7.26	4.11	5.26	2.25	1.55	0.79	0.51	0.14	0.038	101	840	120	128	24	291	143	38	32
93-PMA-0002	Till	66.27	12.62	6.14	2.72	2.20	2.06	1.43	0.71	0.20	0.11	0.019	71	1447	99	111	<20	294	149	44	24
93-PMA-0003	Till	62.89	11.43	7.85	4.95	1.78	1.47	1.13	0.72	0.18	0.13	0.064	82	1561	100	397	25	200	128	55	23
93-PMA-0005	Till	69.60	12.11	5.55	1.70	1.48	2.41	1.43	0.82	0.18	0.08	0.019	93	1063	90	65	<20	226	139	49	23
93-PMA-0011	Till	65.87	13.77	5.79	2.08	1.80	2.49	1.64	0.80	0.20	0.11	0.011	50	860	86	64	<20	244	124	41	22
93-PMA-0016	Till	68.32	12.62	5.83	2.00	2.00	2.32	1.21	0.73	0.18	0.11	0.022	62	663	96	77	<20	234	176	41	25
93-PMA-0017	Till	63.58	14.18	6.69	2.47	1.83	2.10	1.49	0.83	0.23	0.13	0.019	60	825	109	82	<20	282	160	64	24
93-PMA-0019	Till	69.59	11.78	5.60	2.20	1.45	1.99	1.27	0.79	0.16	0.11	0.020	68	726	96	79	<20	199	152	51	22
93-PMA-0022	Till	66.82	13.12	5.94	1.95	1.34	2.34	1.51	0.86	0.17	0.10	0.018	65	840	116	77	<20	234	162	38	23
93-PMA-0024	Till	68.20	12.78	5.35	2.19	1.38	2.40	1.39	0.89	0.16	0.09	0.019	48	746	83	68	<20	239	163	52	20
93-PMA-0026	Till	61.49	14.50	6.66	2.65	2.62	2.08	1.99	0.78	0.19	0.12	0.018	70	1204	118	76	<20	233	156	44	24
93-PMA-0030	Till	64.31	13.72	6.48	2.17	1.95	2.20	1.79	0.76	0.19	0.12	0.021	77	1475	116	91	<20	220	164	46	28
93-PMA-0033	Till	68.27	12.99	5.15	1.93	1.45	2.45	1.48	0.85	0.14	0.07	0.018	45	893	73	57	<20	223	149	48	22
93-PMA-0034	Till	66.57	12.63	5.59	1.96	2.60	2.58	1.45	0.88	0.23	0.10	0.017	46	783	86	56	<20	243	152	52	25
93-PMA-0036	Till	63.30	12.59	5.60	2.45	4.23	2.29	1.56	0.74	0.19	0.11	0.017	63	842	95	65	<20	251	145	40	22
93-PMA-0037-1	Till	61.28	15.25	6.70	2.56	2.30	2.07	1.85	0.78	0.20	0.14	0.016	58	846	119	62	<20	232	151	44	24
93-PMA-0037-2	Till	62.83	14.32	6.31	2.45	2.69	2.19	1.74	0.77	0.19	0.13	0.016	52	771	107	59	<20	244	160	45	23
93-PMA-0037-3	Till	61.88	14.58	6.45	2.51	2.67	2.18	1.78	0.76	0.20	0.14	0.017	54	771	111	57	<20	239	170	45	24
93-PMA-0037-4	Till	61.91	14.56	5.95	2.54	2.73	2.12	1.79	0.76	0.19	0.10	0.017	49	782	109	63	<20	234	154	35	23
93-PMA-0037-5	Till	63.86	12.58	5.53	2.53	3.90	2.31	1.48	0.74	0.19	0.12	0.017	52	818	90	59	<20	245	161	35	22
93-PMA-0039	Till	64.22	14.20	6.12	2.19	1.83	2.36	1.63	0.80	0.20	0.09	0.017	51	864	98	74	<20	245	143	35	24
93-PMA-0043	Till	68.54	12.70	5.25	1.94	1.82	2.81	1.36	0.81	0.20	0.08	0.016	52	759	77	75	<20	264	133	43	25
93-PMA-0044	Till	68.08	12.52	5.24	1.75	1.90	2.73	1.36	0.82	0.13	0.08	0.023	34	760	80	69	<20	248	175	46	22
93-PMA-0046	Till	67.58	12.92	5.41	1.81	1.85	2.71	1.52	0.78	0.19	0.09	0.016	45	790	82	49	<20	241	138	33	23
93-PMA-0047	Till	64.90	12.13	5.51	2.23	2.67	2.05	1.44	0.73	0.21	0.09	0.015	58	1134	83	49	<20	210	139	<30	25
93-PMA-0049	Till	68.35	11.54	5.60	2.17	2.58	2.39	1.61	0.72	0.24	0.11	0.017	73	896	103	66	<20	307	156	38	25

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BUREAU VERITAS MINERAL LABORATORIES Canada

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PHONE (604) 253-3158

www.bvna.com/mining-laboratory-services

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

CERTIFICATE OF ANALYSIS VAN22003529.1

	Method	LF300	LF300	LF300	LF300	TC000	TC000	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Nb	Sc	LOI	Sum	TOT/C	TOT/S	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
	Unit	ppm	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm
	MDL	5	1	-5.1	0.01	0.02	0.02	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5
90-PMA-0153	Till	14	16	5.1	99.92	0.13	<0.02	0.63	30.97	7.09	88.4	44	37.0	16.8	1016	3.95	8.5	0.5	1.2	2.7	65.4
91-PMA-0094-2	Till	15	14	4.2	99.92	0.51	0.04	0.83	30.41	6.43	66.3	87	42.4	11.6	709	3.00	6.4	0.5	1.0	2.7	48.9
92-PMA-0117	Till	11	48	5.0	99.81	0.62	0.02	2.66	126.51	12.20	96.0	139	55.6	27.1	686	3.23	17.7	0.4	3.4	1.6	75.8
92-PMA-0117-b	Rock Pulp	17	9	1.3	99.95	0.07	0.05	11.59	154.15	274.60	205.5	105	78.8	48.6	263	1.54	9.4	0.4	40.8	3.1	30.0
92-PMA-0118	Till	13	28	4.5	99.86	0.28	0.02	3.91	91.68	8.86	107.0	296	110.6	23.6	812	3.61	134.3	0.9	2.7	2.5	72.6
93-PMA-0002	Till	15	15	5.2	99.91	0.23	<0.02	1.49	63.86	7.21	84.3	104	106.4	16.1	702	3.37	20.9	0.4	4.8	2.7	43.1
93-PMA-0003	Till	6	17	7.0	99.88	0.39	0.02	1.92	73.94	7.67	84.5	149	353.8	28.5	854	4.43	46.9	0.4	18.3	2.3	30.0
93-PMA-0005	Till	9	14	4.4	99.94	0.34	<0.02	2.55	83.49	8.32	84.8	135	51.6	12.3	510	3.13	8.8	0.7	3.1	2.3	41.1
93-PMA-0011	Till	13	16	5.2	99.90	0.35	<0.02	1.08	41.86	6.95	74.9	47	46.4	13.2	720	3.16	7.9	0.4	1.4	1.8	40.5
93-PMA-0016	Till	8	16	4.4	99.93	0.25	<0.02	1.37	51.96	6.23	78.2	34	63.7	13.6	641	3.12	9.3	0.5	1.2	1.9	20.8
93-PMA-0017	Till	10	17	6.2	99.92	0.32	<0.02	1.68	49.91	8.83	94.3	69	67.4	16.5	900	3.79	9.9	1.0	1.1	2.3	47.2
93-PMA-0019	Till	14	15	4.8	99.93	0.30	<0.02	1.89	61.86	7.21	82.2	49	65.7	14.8	702	3.24	8.7	0.5	1.4	2.3	32.6
93-PMA-0022	Till	12	15	5.6	99.92	0.52	<0.02	1.88	56.24	8.41	97.9	72	62.3	15.0	683	3.41	10.0	0.5	2.0	2.0	34.1
93-PMA-0024	Till	11	14	4.9	99.93	0.38	<0.02	1.22	39.41	6.51	69.3	26	51.6	11.7	551	3.01	7.4	0.5	1.0	1.7	35.5
93-PMA-0026	Till	11	18	6.6	99.91	0.52	0.02	2.14	60.73	10.75	105.3	120	68.2	18.5	806	3.76	10.1	0.7	1.7	2.8	64.3
93-PMA-0030	Till	9	17	5.9	99.91	0.47	0.02	1.97	64.75	9.70	101.0	187	77.8	15.9	791	3.71	11.0	0.5	3.2	2.6	34.9
93-PMA-0033	Till	12	15	5.0	99.93	0.35	<0.02	0.76	37.71	5.63	57.7	41	43.5	9.5	447	2.87	5.9	0.5	1.5	1.9	31.9
93-PMA-0034	Till	7	15	5.2	99.93	0.42	<0.02	0.74	37.81	7.37	71.3	45	44.1	12.7	673	3.02	8.2	0.4	1.5	2.1	40.0
93-PMA-0036	Till	8	16	6.7	99.91	0.90	<0.02	0.85	41.27	6.90	82.2	47	56.0	15.5	728	3.03	7.9	0.4	1.1	2.0	60.7
93-PMA-0037-1	Till	7	18	6.6	99.92	0.69	0.07	0.99	47.44	9.31	98.7	141	54.8	17.4	951	3.71	8.8	0.5	1.8	2.2	56.1
93-PMA-0037-2	Till	10	18	6.1	99.91	0.78	0.08	0.90	43.29	8.66	91.2	125	51.0	16.1	854	3.45	9.1	0.6	1.6	2.2	53.1
93-PMA-0037-3	Till	12	18	6.6	99.92	0.91	0.11	1.22	44.45	8.59	92.6	120	53.8	15.9	910	3.44	7.7	0.6	1.1	2.2	46.6
93-PMA-0037-4	Till	7	17	7.1	99.91	1.20	0.14	0.87	44.41	8.55	94.3	129	55.7	15.5	640	3.21	5.8	0.6	1.7	2.2	44.7
93-PMA-0037-5	Till	13	15	6.5	99.91	0.90	<0.02	0.88	40.57	6.87	75.3	67	49.8	14.0	742	3.01	8.4	0.4	1.5	2.0	49.0
93-PMA-0039	Till	7	17	6.1	99.91	0.48	<0.02	0.81	41.91	6.87	80.4	102	59.6	11.9	568	3.31	8.3	0.6	1.9	2.0	40.0
93-PMA-0043	Till	11	15	4.2	99.91	0.22	<0.02	0.55	36.15	5.93	59.7	44	57.3	10.0	503	2.79	6.7	0.4	1.4	1.8	40.0
93-PMA-0044	Till	17	15	5.1	99.94	0.74	<0.02	0.79	24.97	4.96	54.2	139	53.3	10.4	425	2.74	6.3	0.7	1.3	1.5	27.3
93-PMA-0046	Till	9	15	4.9	99.93	0.35	<0.02	0.60	37.02	6.21	66.4	63	45.7	10.5	552	2.91	6.8	0.4	1.4	1.8	36.5
93-PMA-0047	Till	10	16	7.8	99.93	1.59	0.03	1.29	51.53	6.12	73.1	131	44.6	12.1	577	3.06	6.9	0.5	2.2	1.7	35.1
93-PMA-0049	Till	10	16	4.4	99.91	0.29	<0.02	1.55	64.59	6.95	86.2	59	59.6	14.5	728	3.07	8.9	0.6	4.4	2.3	52.0

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BUREAU VERITAS MINERAL LABORATORIES Canada

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

CERTIFICATE OF ANALYSIS VAN22003529.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg
	Unit	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb
	MDL	0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5
90-PMA-0153	Till	0.20	0.50	0.08	90	0.79	0.146	20.8	42.7	0.79	249.8	0.107	<20	1.64	0.064	0.13	<0.1	9.4	0.10	<0.02	31
91-PMA-0094-2	Till	0.32	0.43	0.11	56	1.00	0.084	11.2	41.1	0.79	222.5	0.084	<20	1.19	0.022	0.09	<0.1	4.5	0.08	0.03	53
92-PMA-0117	Till	1.11	1.62	0.12	122	3.13	0.088	5.4	55.9	1.07	46.2	0.173	<20	1.89	0.009	0.04	<0.1	10.2	0.13	<0.02	153
92-PMA-0117-b	Rock Pulp	0.51	0.17	0.14	23	0.52	0.054	25.6	28.9	0.45	60.8	0.067	<20	0.74	0.079	0.11	<0.1	2.7	0.08	0.05	17
92-PMA-0118	Till	1.00	1.76	0.11	153	1.48	0.217	11.1	66.6	1.16	88.1	0.109	<20	1.69	0.010	0.07	0.1	10.3	0.26	<0.02	144
93-PMA-0002	Till	0.15	1.05	0.16	69	0.47	0.081	13.7	57.0	1.04	220.9	0.089	<20	1.51	0.029	0.12	<0.1	7.5	0.19	<0.02	61
93-PMA-0003	Till	0.15	4.33	0.17	74	0.37	0.070	12.6	170.3	1.69	284.8	0.087	<20	1.83	0.017	0.10	<0.1	9.6	0.19	<0.02	95
93-PMA-0005	Till	0.18	0.50	0.14	50	0.43	0.070	12.3	39.8	0.61	190.5	0.074	<20	1.27	0.010	0.07	<0.1	5.6	0.11	<0.02	71
93-PMA-0011	Till	0.15	0.40	0.09	58	0.60	0.078	10.4	41.6	0.76	180.3	0.068	<20	1.54	0.015	0.11	<0.1	6.4	0.10	<0.02	55
93-PMA-0016	Till	0.24	0.38	0.11	55	0.30	0.072	10.5	65.7	0.67	166.4	0.064	<20	1.34	0.007	0.12	<0.1	6.2	0.16	<0.02	35
93-PMA-0017	Till	0.15	0.43	0.13	69	0.48	0.091	13.9	63.6	0.94	203.0	0.069	<20	1.85	0.017	0.12	<0.1	8.7	0.16	<0.02	49
93-PMA-0019	Till	0.11	0.40	0.14	55	0.38	0.066	13.8	71.1	0.80	158.4	0.080	<20	1.56	0.008	0.09	<0.1	6.3	0.11	<0.02	35
93-PMA-0022	Till	0.24	0.50	0.13	58	0.38	0.068	13.1	57.4	0.72	136.4	0.073	<20	1.50	0.011	0.10	<0.1	6.8	0.11	<0.02	55
93-PMA-0024	Till	0.11	0.32	0.10	54	0.36	0.059	11.1	62.8	0.78	115.7	0.076	<20	1.49	0.010	0.06	<0.1	5.4	0.08	<0.02	37
93-PMA-0026	Till	0.36	0.49	0.17	64	1.19	0.077	12.4	51.3	1.09	256.8	0.051	<20	1.76	0.018	0.13	<0.1	8.1	0.13	<0.02	81
93-PMA-0030	Till	0.30	0.61	0.16	64	0.61	0.078	13.9	58.3	0.78	285.9	0.055	<20	1.64	0.013	0.10	<0.1	7.8	0.15	<0.02	124
93-PMA-0033	Till	0.06	0.29	0.09	56	0.37	0.051	11.4	50.9	0.71	195.0	0.079	<20	1.43	0.010	0.06	<0.1	6.5	0.09	<0.02	52
93-PMA-0034	Till	0.22	0.44	0.10	59	1.06	0.088	11.9	41.6	0.70	142.2	0.075	<20	1.36	0.015	0.07	<0.1	6.5	0.09	<0.02	50
93-PMA-0036	Till	0.42	0.48	0.10	61	2.14	0.076	10.0	45.2	1.00	193.6	0.064	<20	1.44	0.017	0.09	<0.1	7.1	0.12	<0.02	106
93-PMA-0037-1	Till	0.35	0.42	0.12	67	0.94	0.076	9.9	46.6	1.08	174.1	0.048	<20	1.80	0.024	0.13	<0.1	8.2	0.12	0.06	46
93-PMA-0037-2	Till	0.35	0.40	0.12	65	1.08	0.076	9.9	44.5	1.01	111.4	0.055	<20	1.66	0.020	0.12	<0.1	7.6	0.11	0.07	56
93-PMA-0037-3	Till	0.37	0.48	0.12	66	1.05	0.073	10.0	44.2	1.00	95.9	0.054	<20	1.66	0.018	0.13	<0.1	7.5	0.11	0.10	48
93-PMA-0037-4	Till	0.35	0.47	0.12	67	1.13	0.072	9.6	46.3	1.06	108.4	0.051	<20	1.69	0.018	0.13	<0.1	7.6	0.11	0.13	44
93-PMA-0037-5	Till	0.30	0.41	0.10	59	1.82	0.075	9.9	43.9	1.06	166.7	0.063	<20	1.37	0.017	0.09	<0.1	6.4	0.11	<0.02	47
93-PMA-0039	Till	0.13	0.39	0.10	64	0.54	0.076	11.1	54.9	0.79	194.2	0.058	<20	1.70	0.013	0.12	<0.1	7.9	0.12	<0.02	48
93-PMA-0043	Till	0.08	0.36	0.08	56	0.48	0.073	11.5	42.8	0.67	157.4	0.065	<20	1.26	0.016	0.05	<0.1	6.3	0.07	<0.02	39
93-PMA-0044	Till	0.15	0.33	0.07	59	0.43	0.043	9.7	52.2	0.56	159.2	0.072	<20	1.40	0.007	0.06	<0.1	6.1	0.09	<0.02	62
93-PMA-0046	Till	0.13	0.38	0.09	56	0.53	0.071	10.2	42.6	0.63	147.8	0.062	<20	1.35	0.015	0.06	<0.1	6.7	0.09	<0.02	48
93-PMA-0047	Till	0.20	0.56	0.10	59	1.14	0.079	10.7	43.1	0.91	415.1	0.064	<20	1.62	0.011	0.08	<0.1	7.1	0.10	<0.02	125
93-PMA-0049	Till	0.32	0.71	0.10	75	0.72	0.097	14.6	47.3	0.79	187.3	0.086	<20	1.52	0.023	0.09	<0.1	7.9	0.26	<0.02	150

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Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

CERTIFICATE OF ANALYSIS VAN22003529.1

		Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		Analyte	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
		MDL	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
90-PMA-0153	Till		<0.1	0.03	5.0	1.13	<0.1	0.02	0.06	7.7	0.6	<0.05	4.0	15.69	42.7	0.03	<1	0.6	10.4	<10	<2
91-PMA-0094-2	Till		0.3	0.04	3.6	0.60	<0.1	0.16	0.20	5.0	0.3	<0.05	9.0	9.57	23.0	<0.02	<1	0.4	9.6	<10	3
92-PMA-0117	Till		0.6	0.06	5.2	0.33	<0.1	0.34	0.13	1.6	0.3	<0.05	12.5	10.79	10.8	0.03	<1	0.3	7.1	<10	5
92-PMA-0117-b	Rock Pulp		<0.1	<0.02	2.3	1.11	<0.1	0.17	0.27	7.1	2.0	<0.05	5.7	5.38	43.8	0.03	<1	0.2	7.9	45	25
92-PMA-0118	Till		0.8	0.05	4.6	0.75	<0.1	0.10	0.19	2.9	0.2	<0.05	5.2	18.38	19.3	0.03	<1	0.4	9.7	17	5
93-PMA-0002	Till		0.3	0.06	4.7	1.16	<0.1	0.20	0.04	7.5	0.4	<0.05	11.1	11.65	27.7	0.03	<1	0.5	11.7	<10	<2
93-PMA-0003	Till		0.6	0.08	5.5	1.44	<0.1	0.12	0.06	6.0	0.4	<0.05	6.8	12.45	22.2	0.03	<1	0.5	11.9	<10	<2
93-PMA-0005	Till		0.3	0.07	3.7	0.62	<0.1	0.09	0.14	4.0	0.3	<0.05	5.1	10.50	25.0	0.02	1	0.4	8.7	<10	<2
93-PMA-0011	Till		0.2	0.05	4.4	0.99	<0.1	0.12	0.07	6.9	0.3	<0.05	5.5	10.57	20.8	0.02	<1	0.4	11.7	<10	<2
93-PMA-0016	Till		0.2	0.07	4.0	0.79	<0.1	0.08	0.10	9.8	0.3	<0.05	4.4	10.76	21.6	0.02	<1	0.4	10.0	<10	<2
93-PMA-0017	Till		0.3	0.06	5.2	1.46	<0.1	0.17	0.05	8.5	0.4	<0.05	11.7	12.59	27.9	0.03	<1	0.7	13.4	<10	3
93-PMA-0019	Till		0.4	0.07	4.6	0.69	<0.1	0.05	0.17	5.1	0.3	<0.05	3.1	9.83	26.4	0.02	<1	0.4	10.6	<10	<2
93-PMA-0022	Till		0.4	0.06	4.5	0.99	<0.1	0.05	0.20	8.6	0.3	<0.05	2.8	10.45	24.8	0.03	<1	0.5	11.3	<10	<2
93-PMA-0024	Till		0.5	0.03	4.2	0.74	<0.1	0.03	0.20	4.9	0.3	<0.05	1.9	6.91	21.8	0.02	<1	0.4	11.2	<10	<2
93-PMA-0026	Till		0.2	0.06	5.0	1.16	<0.1	0.15	0.03	7.1	0.4	<0.05	6.8	10.83	25.9	0.04	<1	0.5	16.4	<10	<2
93-PMA-0030	Till		0.3	0.06	4.6	0.87	<0.1	0.12	0.08	5.5	0.3	<0.05	6.1	13.76	25.0	0.03	<1	0.5	11.4	<10	<2
93-PMA-0033	Till		0.3	0.03	4.2	0.71	<0.1	0.05	0.14	5.1	0.3	<0.05	3.0	9.18	21.5	0.02	<1	0.4	10.7	<10	<2
93-PMA-0034	Till		0.1	0.03	3.9	0.76	<0.1	0.12	0.07	4.0	0.3	<0.05	5.8	10.98	23.8	0.02	<1	0.4	10.3	<10	<2
93-PMA-0036	Till		0.2	0.05	4.2	0.90	<0.1	0.16	0.05	5.3	0.3	<0.05	7.2	10.28	20.0	0.03	<1	0.4	11.4	<10	<2
93-PMA-0037-1	Till		0.3	0.05	5.3	1.24	<0.1	0.13	0.05	6.9	0.4	<0.05	5.6	10.84	20.6	0.03	1	0.5	14.9	<10	<2
93-PMA-0037-2	Till		0.3	0.05	4.8	1.08	<0.1	0.13	0.08	6.3	0.4	<0.05	5.5	10.40	20.4	0.03	2	0.5	13.6	<10	<2
93-PMA-0037-3	Till		0.4	0.05	4.8	1.17	<0.1	0.15	0.11	6.9	0.4	<0.05	6.3	10.24	20.3	0.03	<1	0.5	13.9	<10	<2
93-PMA-0037-4	Till		0.4	0.04	4.9	1.15	<0.1	0.15	0.14	6.8	0.4	<0.05	6.5	9.97	19.9	0.03	2	0.5	14.1	<10	<2
93-PMA-0037-5	Till		0.2	0.05	4.0	0.82	<0.1	0.12	0.07	5.0	0.3	<0.05	5.6	9.68	20.3	0.02	<1	0.4	10.4	<10	<2
93-PMA-0039	Till		0.2	0.05	4.9	1.09	<0.1	0.05	0.08	7.9	0.4	<0.05	3.0	11.16	20.1	0.03	<1	0.5	12.2	<10	<2
93-PMA-0043	Till		0.1	0.03	3.6	0.55	<0.1	0.11	0.05	2.7	0.3	<0.05	5.0	12.37	20.3	0.02	<1	0.4	9.3	<10	<2
93-PMA-0044	Till		0.3	0.02	3.8	0.57	<0.1	0.05	0.38	6.6	0.3	<0.05	2.8	9.39	18.8	<0.02	<1	0.4	10.6	<10	<2
93-PMA-0046	Till		0.2	0.03	4.0	0.69	<0.1	0.08	0.07	4.0	0.3	<0.05	4.2	10.82	19.1	0.02	<1	0.4	9.5	<10	<2
93-PMA-0047	Till		0.3	0.03	4.5	0.57	<0.1	0.07	0.31	4.6	0.3	<0.05	3.0	12.41	19.6	0.02	<1	0.5	11.0	<10	<2
93-PMA-0049	Till		0.3	0.04	4.2	1.22	<0.1	0.10	0.10	5.0	0.3	<0.05	6.2	13.14	28.7	0.02	<1	0.6	10.1	<10	3

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BUREAU VERITAS MINERAL LABORATORIES Canada

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

CERTIFICATE OF ANALYSIS VAN22003529.1

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y
	Unit	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3
93-PMA-0051	Till	66.88	9.82	3.98	2.25	5.89	2.41	1.20	0.64	0.17	0.08	0.014	38	743	60	37	<20	251	141	44	19
93-PMA-0052	Till	62.25	11.59	5.11	2.16	6.06	2.09	1.51	0.67	0.18	0.10	0.013	55	976	86	51	<20	214	130	33	21
93-PMA-0053	Till	65.95	12.49	5.52	2.34	2.72	2.39	1.67	0.73	0.20	0.11	0.019	66	1050	85	70	<20	223	161	37	24
93-PMA-0053-b	Rock Pulp	71.96	11.99	3.97	1.71	3.23	3.46	1.43	0.38	0.13	0.07	0.015	165	467	223	89	42	395	158	54	10
93-PMA-0054	Till	67.93	12.62	5.31	2.16	1.33	2.26	1.87	0.82	0.16	0.09	0.022	57	1697	91	74	<20	180	154	40	22
93-PMA-0055	Till	66.15	13.41	5.78	2.17	1.89	2.43	1.70	0.77	0.19	0.13	0.018	51	900	94	79	<20	223	144	38	24
93-PMA-0058-1	Till	62.92	14.16	6.27	2.66	2.59	2.24	1.70	0.80	0.20	0.10	0.019	53	776	103	79	<20	237	147	57	22
93-PMA-0058-2	Till	62.74	14.24	6.25	2.67	2.63	2.16	1.65	0.78	0.19	0.12	0.020	51	798	102	74	21	234	146	<30	22
93-PMA-0059-2	Till	69.62	10.19	5.15	1.84	3.62	2.29	1.35	0.68	0.17	0.10	0.024	62	908	88	97	<20	240	174	42	20
93-PMA-0059-3	Till	70.88	10.20	4.92	1.65	3.37	2.68	1.30	0.73	0.17	0.08	0.031	38	668	63	89	<20	270	218	39	20
93-PMA-0059-4	Till	70.97	10.06	4.87	1.69	3.53	2.33	1.31	0.69	0.16	0.09	0.026	52	1051	73	73	<20	247	175	41	19
93-PMA-0065-1	Till	66.44	12.10	5.26	2.00	3.66	2.29	1.66	0.71	0.19	0.10	0.015	55	1039	90	50	<20	231	160	41	21
93-PMA-0065-2	Till	66.73	12.35	5.58	2.31	2.57	2.05	1.68	0.72	0.19	0.12	0.014	67	1236	98	58	<20	186	153	50	23
93-PMA-0068	Till	69.72	11.32	4.90	1.70	3.17	2.44	1.57	0.71	0.18	0.10	0.016	57	934	86	42	<20	220	143	37	22
93-PMA-0071	Till	67.26	11.85	5.60	2.00	3.14	2.23	1.68	0.69	0.18	0.13	0.016	64	1082	93	63	<20	230	153	52	22
93-PMA-0073	Till	68.48	12.58	5.34	1.70	1.83	2.29	1.53	0.68	0.16	0.10	0.019	48	986	77	60	<20	211	150	39	23
93-PMA-0075	Till	66.95	12.60	5.52	1.72	2.11	2.43	1.51	0.76	0.18	0.09	0.017	49	881	78	46	<20	217	155	48	24
93-PMA-0077	Till	68.42	12.22	5.32	1.93	2.21	2.23	1.56	0.75	0.18	0.10	0.014	56	1142	86	47	<20	199	176	41	24
93-PMA-0077-b	Rock Pulp	72.49	11.96	3.80	1.65	3.42	3.38	1.45	0.37	0.11	0.06	0.011	23	456	32	27	<20	396	169	36	11
93-PMA-0079	Till	65.53	13.44	6.24	1.96	1.52	2.05	1.70	0.76	0.17	0.13	0.017	63	1106	91	61	<20	184	161	49	26
93-PMA-0082	Till	68.06	12.70	5.87	1.90	1.69	2.15	1.68	0.71	0.18	0.14	0.013	63	933	102	57	<20	193	147	43	24
93-PMA-0083	Till	66.95	13.05	5.74	1.77	2.15	2.66	1.58	0.78	0.19	0.12	0.021	50	895	79	60	21	255	172	60	23
93-PMA-0085	Till	71.64	11.88	4.48	1.49	2.34	3.09	1.37	0.75	0.18	0.08	0.016	31	726	61	41	<20	274	145	39	21
93-PMA-0086	Till	70.32	12.26	5.00	1.37	1.89	3.06	1.38	0.84	0.15	0.07	0.016	39	738	54	31	<20	261	166	49	25
93-PMA-0088	Till	70.80	12.11	4.94	1.29	1.83	2.95	1.37	0.88	0.19	0.08	0.013	40	710	66	34	<20	251	141	35	22
93-PMA-0089	Till	69.80	12.43	5.05	1.48	1.97	2.83	1.43	0.79	0.19	0.10	0.016	41	752	69	42	<20	260	141	43	22
93-PMA-0091	Till	68.44	12.71	5.61	1.96	1.34	1.88	1.90	0.70	0.14	0.11	0.014	75	956	106	51	<20	157	155	52	23
93-PMA-0093-5	Till	68.92	11.44	4.63	1.70	3.69	2.70	1.45	0.71	0.18	0.10	0.020	35	767	64	49	<20	262	164	41	20
93-PMA-0093-6	Till	69.22	10.75	4.28	1.41	4.38	2.73	1.42	0.68	0.16	0.11	0.016	39	708	58	38	<20	266	173	38	19
93-PMA-0093-7	Till	71.06	11.45	4.39	1.64	2.70	2.74	1.47	0.74	0.17	0.08	0.013	32	692	63	38	<20	259	157	33	20

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BUREAU VERITAS MINERAL LABORATORIES Canada

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

CERTIFICATE OF ANALYSIS VAN22003529.1

	Method	LF300	LF300	LF300	LF300	TC000	TC000	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Nb	Sc	LOI	Sum	TOT/C	TOT/S	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
	Unit	ppm	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm
	MDL	5	1	-5.1	0.01	0.02	0.02	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5
93-PMA-0051	Till	7	12	6.5	99.94	1.28	<0.02	0.64	27.99	4.06	48.8	26	31.4	9.0	492	1.98	4.8	0.4	26.8	1.6	48.2
93-PMA-0052	Till	8	14	8.0	99.93	1.36	<0.02	1.17	46.71	6.67	76.0	101	44.5	12.7	681	2.83	7.3	0.5	2.0	2.3	53.6
93-PMA-0053	Till	10	16	5.6	99.92	0.64	<0.02	1.20	46.38	7.30	74.1	130	59.5	13.6	675	3.03	7.5	0.4	1.7	2.4	30.8
93-PMA-0053-b	Rock Pulp	17	9	1.4	99.94	0.08	0.06	11.35	147.69	244.47	196.4	102	77.1	48.6	246	1.43	8.6	0.4	31.8	2.7	25.9
93-PMA-0054	Till	14	15	5.1	99.92	0.51	<0.02	2.47	44.03	7.12	75.9	130	62.3	12.5	557	2.88	6.9	0.6	3.4	2.7	24.7
93-PMA-0055	Till	7	16	5.1	99.93	0.34	<0.02	1.15	44.09	7.90	80.1	98	65.2	14.9	840	3.24	7.4	0.4	3.5	2.4	37.0
93-PMA-0058-1	Till	15	17	6.1	99.91	0.78	0.03	0.93	43.10	7.83	86.1	124	53.3	13.9	655	3.37	8.9	0.5	1.3	2.2	52.9
93-PMA-0058-2	Till	16	17	6.3	99.93	0.62	0.02	1.08	45.94	8.24	89.8	95	58.2	16.8	846	3.45	8.7	0.5	1.7	2.2	55.2
93-PMA-0059-2	Till	14	13	4.7	99.95	0.63	0.02	1.58	55.81	6.52	72.7	78	79.5	13.5	630	2.68	7.8	0.4	1.8	1.8	50.8
93-PMA-0059-3	Till	13	12	3.8	99.94	0.45	<0.02	0.95	34.37	5.24	53.6	51	75.3	10.5	478	2.56	7.2	0.3	1.5	1.6	45.0
93-PMA-0059-4	Till	10	12	4.0	99.95	0.57	0.02	1.31	45.10	6.26	61.0	67	54.6	10.2	547	2.55	6.3	0.4	1.2	1.6	54.4
93-PMA-0065-1	Till	9	15	5.3	99.93	0.69	<0.02	1.50	45.41	7.26	77.3	103	39.6	13.1	653	2.84	6.9	0.4	1.5	2.6	50.1
93-PMA-0065-2	Till	17	16	5.4	99.93	0.54	<0.02	1.51	62.55	9.21	88.4	81	48.1	15.1	841	3.10	7.9	0.5	2.2	2.8	35.9
93-PMA-0068	Till	12	13	4.0	99.94	0.50	<0.02	2.08	51.25	9.33	81.3	54	38.0	13.3	725	2.85	8.1	0.6	2.8	3.3	53.1
93-PMA-0071	Till	12	15	5.0	99.92	0.54	<0.02	2.60	55.43	9.35	80.4	106	49.5	15.9	896	3.02	8.2	0.6	2.5	2.7	62.9
93-PMA-0073	Till	10	16	5.1	99.94	0.43	<0.02	0.97	46.65	6.58	67.9	34	48.2	11.5	676	2.95	6.8	0.4	2.9	2.3	37.5
93-PMA-0075	Till	12	16	5.9	99.94	1.05	<0.02	0.85	46.61	6.60	66.1	226	36.6	10.5	574	2.97	7.1	0.6	2.4	2.1	31.4
93-PMA-0077	Till	18	15	4.8	99.94	0.43	<0.02	1.98	51.22	7.71	73.1	152	36.7	11.8	610	2.84	6.7	0.4	2.3	3.0	31.2
93-PMA-0077-b	Rock Pulp	12	9	1.1	99.94	0.07	<0.02	0.61	22.24	1.82	19.6	24	16.0	5.6	251	1.40	0.6	0.4	0.9	2.6	28.3
93-PMA-0079	Till	15	18	6.2	99.94	0.48	<0.02	1.58	59.94	8.89	81.1	78	47.6	14.7	855	3.54	8.9	0.6	2.0	2.9	31.9
93-PMA-0082	Till	8	16	4.7	99.94	0.24	<0.02	1.39	56.28	8.07	87.1	37	46.4	14.7	912	3.12	7.3	0.4	1.6	2.9	37.5
93-PMA-0083	Till	17	16	4.8	99.95	0.31	<0.02	0.72	43.12	7.69	67.9	92	51.3	14.1	801	3.05	7.3	0.4	2.4	2.4	47.3
93-PMA-0085	Till	8	14	2.5	99.95	0.15	<0.02	0.67	26.83	4.84	53.5	39	29.4	8.6	504	2.39	5.0	0.4	2.6	1.8	40.1
93-PMA-0086	Till	12	16	3.5	99.96	0.22	<0.02	0.40	29.14	5.08	42.1	16	22.4	6.7	369	2.45	4.9	0.4	1.9	1.7	34.7
93-PMA-0088	Till	8	14	3.4	99.95	0.19	<0.02	0.61	34.80	6.07	59.2	31	27.4	8.4	494	2.75	6.0	0.4	1.4	2.0	45.0
93-PMA-0089	Till	11	14	3.7	99.96	0.20	<0.02	0.60	33.12	6.50	60.2	23	34.8	10.4	640	2.75	5.8	0.4	3.7	2.0	43.2
93-PMA-0091	Till	12	16	4.9	99.94	0.39	<0.02	2.04	67.46	8.85	92.0	75	43.2	12.0	740	3.10	6.6	0.5	2.6	3.8	29.8
93-PMA-0093-5	Till	11	13	4.2	99.94	0.70	0.06	0.71	26.38	5.39	52.7	88	34.4	9.7	644	2.42	4.6	0.5	2.4	1.9	58.0
93-PMA-0093-6	Till	12	13	4.6	99.94	0.75	<0.02	0.97	31.49	5.02	49.0	47	29.8	8.9	681	2.21	4.1	0.5	0.8	1.9	59.2
93-PMA-0093-7	Till	10	13	3.4	99.95	0.50	0.04	0.70	24.65	5.40	52.8	80	31.0	9.2	503	2.29	3.4	0.5	1.7	2.2	51.3

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

CERTIFICATE OF ANALYSIS VAN22003529.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg
	Unit	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb
	MDL	0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5
93-PMA-0051	Till	0.29	0.40	0.06	45	2.91	0.066	8.7	28.7	0.92	167.5	0.070	<20	0.90	0.016	0.06	<0.1	4.1	0.08	<0.02	50
93-PMA-0052	Till	0.38	0.42	0.12	54	3.56	0.069	10.8	38.6	0.88	260.0	0.063	<20	1.43	0.016	0.10	<0.1	6.2	0.12	<0.02	62
93-PMA-0053	Till	0.26	0.42	0.11	63	1.04	0.078	12.3	51.1	0.96	206.9	0.069	<20	1.47	0.012	0.13	<0.1	7.1	0.13	<0.02	95
93-PMA-0053-b	Rock Pulp	0.45	0.16	0.13	22	0.47	0.050	21.8	27.8	0.41	54.5	0.062	<20	0.69	0.074	0.11	<0.1	2.4	0.07	0.04	16
93-PMA-0054	Till	0.15	0.53	0.14	51	0.33	0.054	12.7	62.3	0.69	331.6	0.063	<20	1.29	0.009	0.09	<0.1	4.7	0.10	<0.02	88
93-PMA-0055	Till	0.25	0.42	0.12	62	0.56	0.072	11.6	50.0	0.83	193.4	0.059	<20	1.50	0.018	0.09	<0.1	7.2	0.11	<0.02	42
93-PMA-0058-1	Till	0.32	0.41	0.11	66	1.14	0.077	11.4	51.7	1.11	104.3	0.067	<20	1.79	0.018	0.13	<0.1	7.4	0.10	<0.02	62
93-PMA-0058-2	Till	0.40	0.44	0.11	66	1.20	0.077	11.2	51.3	1.14	127.0	0.065	<20	1.84	0.021	0.13	<0.1	7.8	0.14	<0.02	50
93-PMA-0059-2	Till	0.34	0.57	0.10	51	1.74	0.067	9.3	47.2	0.70	215.9	0.067	<20	1.00	0.010	0.08	<0.1	5.7	0.08	<0.02	49
93-PMA-0059-3	Till	0.22	0.46	0.08	53	1.42	0.074	8.9	53.2	0.61	82.9	0.074	<20	0.84	0.012	0.06	<0.1	5.0	0.06	<0.02	34
93-PMA-0059-4	Till	0.27	0.48	0.10	51	1.68	0.065	8.6	44.9	0.63	346.6	0.068	<20	0.90	0.011	0.07	<0.1	4.9	0.09	<0.02	42
93-PMA-0065-1	Till	0.36	0.54	0.12	56	1.79	0.075	12.3	39.2	0.79	271.8	0.073	<20	1.45	0.017	0.12	<0.1	6.2	0.13	<0.02	94
93-PMA-0065-2	Till	0.33	0.62	0.15	57	1.13	0.078	13.4	39.5	0.97	344.6	0.068	<20	1.68	0.017	0.13	<0.1	6.8	0.16	<0.02	66
93-PMA-0068	Till	0.47	0.64	0.16	51	1.48	0.079	14.3	32.1	0.65	177.3	0.076	<20	1.18	0.022	0.09	<0.1	5.8	0.15	<0.02	59
93-PMA-0071	Till	0.44	0.60	0.13	56	1.47	0.071	12.1	40.8	0.80	231.6	0.073	<20	1.41	0.022	0.14	<0.1	6.4	0.15	<0.02	63
93-PMA-0073	Till	0.11	0.51	0.11	59	0.53	0.064	12.9	46.4	0.62	269.3	0.073	<20	1.68	0.018	0.11	<0.1	7.2	0.12	<0.02	53
93-PMA-0075	Till	0.24	0.42	0.10	61	0.69	0.073	12.8	39.7	0.65	192.6	0.071	<20	1.68	0.013	0.10	<0.1	7.1	0.12	<0.02	60
93-PMA-0077	Till	0.22	0.54	0.14	55	0.78	0.071	14.9	38.0	0.73	303.6	0.067	<20	1.56	0.014	0.11	<0.1	6.2	0.14	<0.02	58
93-PMA-0077-b	Rock Pulp	0.03	0.05	0.02	22	0.62	0.051	14.9	25.1	0.44	47.5	0.070	<20	0.74	0.076	0.11	<0.1	2.5	0.06	<0.02	7
93-PMA-0079	Till	0.13	0.67	0.15	67	0.44	0.066	15.4	49.3	0.75	305.9	0.074	<20	1.93	0.013	0.13	<0.1	8.6	0.15	<0.02	84
93-PMA-0082	Till	0.24	0.61	0.14	57	0.50	0.069	13.1	38.0	0.68	197.7	0.069	<20	1.63	0.015	0.12	<0.1	6.7	0.12	<0.02	49
93-PMA-0083	Till	0.23	0.56	0.10	64	0.63	0.072	11.9	42.7	0.65	215.1	0.076	<20	1.56	0.018	0.10	<0.1	7.3	0.12	<0.02	51
93-PMA-0085	Till	0.22	0.35	0.06	50	0.59	0.077	10.1	32.9	0.50	116.2	0.082	<20	1.04	0.020	0.05	<0.1	5.2	0.07	<0.02	38
93-PMA-0086	Till	0.08	0.29	0.06	57	0.44	0.052	11.3	34.4	0.45	124.5	0.085	<20	1.15	0.012	0.04	<0.1	6.7	0.07	<0.02	50
93-PMA-0088	Till	0.21	0.36	0.07	60	0.56	0.078	12.5	32.5	0.48	122.2	0.098	<20	1.18	0.016	0.05	<0.1	6.6	0.09	<0.02	44
93-PMA-0089	Till	0.18	0.36	0.07	59	0.57	0.073	10.7	34.7	0.54	131.2	0.089	<20	1.24	0.021	0.06	<0.1	6.4	0.09	<0.02	33
93-PMA-0091	Till	0.18	0.67	0.19	51	0.40	0.055	15.9	35.8	0.71	170.7	0.062	<20	1.74	0.010	0.14	<0.1	6.1	0.12	<0.02	45
93-PMA-0093-5	Till	0.29	0.32	0.07	53	1.66	0.069	9.4	37.9	0.66	184.0	0.075	<20	1.18	0.024	0.11	<0.1	5.5	0.08	0.05	32
93-PMA-0093-6	Till	0.34	0.33	0.06	52	2.14	0.068	10.0	35.6	0.52	154.9	0.079	<20	1.08	0.025	0.10	<0.1	5.4	0.07	<0.02	35
93-PMA-0093-7	Till	0.29	0.32	0.07	51	1.05	0.071	10.4	35.7	0.64	98.4	0.081	<20	1.14	0.022	0.09	<0.1	5.0	0.08	0.03	31

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BUREAU VERITAS MINERAL LABORATORIES Canada

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Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

CERTIFICATE OF ANALYSIS VAN22003529.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
93-PMA-0051	Till	0.2	0.03	2.6	0.45	<0.1	0.14	0.07	3.1	0.2	<0.05	5.7	7.62	17.3	<0.02	<1	0.2	6.0	<10	<2
93-PMA-0052	Till	0.2	0.05	4.3	0.72	<0.1	0.09	0.07	4.9	0.3	<0.05	4.9	10.04	21.4	0.02	<1	0.4	9.6	<10	<2
93-PMA-0053	Till	0.2	0.04	4.1	0.73	<0.1	0.07	0.11	6.7	0.3	<0.05	4.3	11.71	23.3	0.03	<1	0.4	9.4	<10	<2
93-PMA-0053-b	Rock Pulp	<0.1	<0.02	2.3	0.98	<0.1	0.15	0.23	6.8	1.7	<0.05	5.3	4.81	37.3	0.03	<1	0.2	7.6	43	22
93-PMA-0054	Till	0.4	0.05	3.8	0.63	<0.1	0.03	0.23	5.0	0.3	<0.05	2.1	6.39	27.2	0.02	<1	0.4	9.7	<10	<2
93-PMA-0055	Till	0.2	0.05	4.4	0.81	<0.1	0.10	0.05	5.1	0.3	<0.05	5.4	10.63	23.4	0.03	<1	0.5	11.1	<10	<2
93-PMA-0058-1	Till	0.3	0.03	5.2	1.19	<0.1	0.17	0.10	6.7	0.4	<0.05	6.9	10.71	23.7	0.03	2	0.5	13.6	<10	<2
93-PMA-0058-2	Till	0.3	0.05	5.4	1.22	<0.1	0.14	0.08	7.2	0.4	<0.05	6.4	11.07	23.1	0.03	<1	0.5	14.0	<10	<2
93-PMA-0059-2	Till	0.9	0.05	3.0	0.52	<0.1	0.14	0.06	3.8	0.3	<0.05	6.7	8.53	19.3	0.02	2	0.3	6.8	<10	<2
93-PMA-0059-3	Till	0.2	0.04	2.6	0.37	<0.1	0.18	0.10	2.9	0.2	<0.05	7.2	7.86	18.9	<0.02	<1	0.3	5.4	<10	<2
93-PMA-0059-4	Till	0.3	0.04	2.8	0.47	<0.1	0.15	0.08	3.3	0.2	<0.05	6.4	8.29	18.1	0.02	<1	0.3	6.2	<10	<2
93-PMA-0065-1	Till	0.2	0.07	4.1	0.96	<0.1	0.17	0.09	6.7	0.3	<0.05	7.8	9.33	24.6	0.03	<1	0.4	11.2	<10	<2
93-PMA-0065-2	Till	0.3	0.08	4.8	1.00	<0.1	0.12	0.09	7.1	0.4	<0.05	7.1	10.82	26.7	0.03	<1	0.5	12.4	<10	<2
93-PMA-0068	Till	0.3	0.05	3.6	0.75	<0.1	0.20	0.07	4.7	0.3	<0.05	6.9	9.79	28.2	0.02	<1	0.2	10.7	<10	2
93-PMA-0071	Till	0.3	0.06	4.1	0.82	<0.1	0.22	0.07	6.4	0.3	<0.05	8.8	9.52	25.0	0.03	1	0.4	10.7	<10	<2
93-PMA-0073	Till	0.3	0.04	4.7	0.68	<0.1	0.08	0.11	5.6	0.3	<0.05	4.9	11.78	23.0	0.03	<1	0.4	9.9	<10	<2
93-PMA-0075	Till	0.4	0.05	4.5	0.67	<0.1	0.04	0.26	6.1	0.3	<0.05	2.4	12.47	22.2	0.03	<1	0.5	9.8	<10	<2
93-PMA-0077	Till	0.4	0.06	4.4	0.80	<0.1	0.12	0.11	6.3	0.3	<0.05	6.7	10.82	28.5	0.03	<1	0.5	11.6	<10	<2
93-PMA-0077-b	Rock Pulp	<0.1	<0.02	2.5	0.33	<0.1	0.14	0.21	6.1	0.4	<0.05	4.8	4.96	25.6	<0.02	<1	0.2	6.4	<10	<2
93-PMA-0079	Till	0.5	0.05	5.5	1.11	<0.1	0.10	0.14	8.2	0.4	<0.05	6.0	13.70	29.4	0.03	<1	0.6	13.0	<10	<2
93-PMA-0082	Till	0.3	0.05	4.8	0.88	<0.1	0.15	0.07	6.6	0.3	<0.05	7.2	11.29	26.1	0.03	<1	0.4	11.2	<10	<2
93-PMA-0083	Till	0.3	0.05	4.5	0.74	<0.1	0.11	0.09	5.2	0.4	<0.05	6.0	11.60	24.1	0.03	<1	0.4	10.9	<10	<2
93-PMA-0085	Till	0.2	0.02	3.1	0.48	<0.1	0.12	0.12	2.9	0.3	<0.05	5.5	9.04	20.2	<0.02	<1	0.3	7.3	<10	<2
93-PMA-0086	Till	0.2	0.02	3.3	0.44	<0.1	0.09	0.11	2.9	0.3	<0.05	4.4	11.36	20.0	<0.02	<1	0.3	6.8	<10	<2
93-PMA-0088	Till	0.2	0.02	3.6	0.63	<0.1	0.20	0.11	3.3	0.3	<0.05	7.2	11.12	23.7	0.02	<1	0.3	7.8	<10	<2
93-PMA-0089	Till	0.2	0.03	3.8	0.69	<0.1	0.18	0.09	3.8	0.3	<0.05	6.7	10.21	21.5	0.02	<1	0.4	8.8	<10	<2
93-PMA-0091	Till	0.4	0.09	4.8	1.00	<0.1	0.10	0.08	7.5	0.3	<0.05	6.4	9.89	32.6	0.03	<1	0.5	12.0	<10	<2
93-PMA-0093-5	Till	0.2	0.04	3.4	0.61	<0.1	0.17	0.07	4.5	0.3	<0.05	6.4	8.81	19.2	0.02	1	0.3	8.2	<10	<2
93-PMA-0093-6	Till	0.3	0.03	3.1	0.53	<0.1	0.19	0.09	4.1	0.3	<0.05	7.0	8.57	20.0	<0.02	1	0.3	6.6	<10	<2
93-PMA-0093-7	Till	0.3	0.03	3.2	0.58	<0.1	0.18	0.11	4.4	0.3	<0.05	7.5	8.37	21.0	0.02	<1	0.3	9.1	<10	<2

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	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y
	Unit	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3
93-PMA-0093-8	Till	70.24	10.96	4.26	1.56	3.65	2.81	1.37	0.71	0.18	0.11	0.015	32	729	58	36	<20	267	167	<30	19
93-PMA-0097	Till	69.33	12.41	4.91	1.97	2.49	2.75	1.20	0.89	0.15	0.09	0.016	38	827	66	42	<20	257	167	35	22
93-PMA-0113	Till	62.81	13.34	6.67	4.06	4.75	3.22	1.10	0.98	0.34	0.11	0.018	42	528	67	66	22	318	176	46	22
93-PMA-0118-1	Till	64.86	13.61	6.59	2.49	2.13	2.63	1.71	0.78	0.20	0.10	0.025	53	823	94	87	21	236	182	<30	23
93-PMA-0118-2	Till	63.10	14.41	6.40	2.90	1.94	2.39	1.76	0.80	0.20	0.13	0.027	55	864	102	115	21	220	170	<30	25
93-PMA-0126-1	Till	63.06	13.46	6.44	3.36	3.21	2.66	1.51	0.84	0.22	0.12	0.026	51	727	100	125	20	285	157	34	24
93-PMA-0126-2	Till	64.03	13.26	6.21	2.97	3.27	2.76	1.54	0.83	0.22	0.10	0.028	51	729	100	103	<20	291	170	<30	24
93-PMA-0126-3	Till	63.65	13.52	6.90	3.47	2.20	2.66	1.50	0.87	0.23	0.13	0.030	67	703	106	174	25	251	162	38	25
93-PMA-0127-1	Till	60.70	13.88	7.92	4.50	2.01	2.51	1.56	0.79	0.21	0.15	0.037	64	877	133	246	29	219	146	30	26
93-PMA-0127-2	Till	61.72	13.89	7.40	4.12	2.17	2.76	1.63	0.78	0.22	0.15	0.031	59	867	128	182	29	234	144	33	24
93-PMA-0127-3	Till	61.64	14.13	7.54	3.84	2.16	2.72	1.67	0.78	0.21	0.14	0.030	63	897	127	171	25	234	146	<30	25
93-PMA-0128	Till	66.39	10.65	4.69	2.47	5.15	2.48	1.42	0.65	0.21	0.08	0.029	40	804	81	72	<20	316	167	<30	20
93-PMA-0128-b	Rock Pulp	72.37	12.06	4.04	1.73	3.30	3.38	1.45	0.38	0.13	0.07	0.016	163	474	223	86	43	399	166	41	12
93-PMA-0129	Till	63.02	11.71	5.71	2.64	5.31	2.33	1.45	0.68	0.22	0.12	0.025	72	888	99	84	<20	318	138	34	20
93-PMA-0132	Till	65.92	10.74	4.81	2.40	5.23	2.16	1.33	0.74	0.19	0.10	0.013	50	968	81	38	<20	220	144	<30	21
93-PMA-0133	Till	61.92	11.64	4.31	2.85	7.23	2.59	1.18	0.63	0.20	0.08	0.016	44	871	69	79	<20	265	145	<30	18
93-PMA-0134	Till	67.15	13.07	5.50	2.08	2.34	2.57	1.41	0.76	0.19	0.10	0.014	54	781	81	47	<20	246	136	33	23
93-PMA-0135	Till	63.85	10.05	5.72	5.71	4.32	1.74	1.66	0.66	0.17	0.12	0.056	58	931	91	291	<20	149	151	<30	20
93-PMA-0139	Till	63.76	13.44	6.11	2.60	3.80	2.60	1.53	0.71	0.19	0.11	0.018	48	776	104	70	<20	295	140	<30	22
93-PMA-0145-2	Till	61.27	13.76	5.70	2.72	5.69	3.05	2.46	0.59	0.24	0.12	0.011	47	1093	44	32	<20	542	135	42	17
93-PMA-0145-3	Till	60.50	13.87	5.85	2.82	5.67	2.94	2.44	0.60	0.24	0.13	0.012	53	1117	48	35	<20	537	140	<30	18
93-PMA-0145-4	Till	61.43	13.40	5.80	2.78	5.70	2.95	2.38	0.59	0.24	0.12	0.012	61	1103	46	43	<20	525	144	31	18
93-PMA-0148	Till	71.39	14.36	3.11	0.87	1.12	2.28	3.18	0.56	0.17	0.05	0.008	19	606	41	<20	<20	157	405	127	35
93-PMA-0149-1	Till	64.58	14.61	4.69	1.43	3.30	1.74	3.00	0.59	0.15	0.08	0.010	38	682	78	23	<20	196	258	70	26
93-PMA-0149-2	Till	65.75	14.20	4.59	1.39	3.17	1.75	2.95	0.57	0.15	0.07	0.008	27	674	72	21	<20	194	271	78	26
93-PMA-0149-3	Till	67.08	14.80	5.07	1.42	1.55	1.72	2.94	0.61	0.14	0.09	0.011	32	694	73	28	<20	177	273	98	29
93-PMA-0151	Till	72.43	14.63	2.10	0.50	0.92	2.40	3.91	0.42	0.19	0.03	0.005	14	561	27	<20	<20	161	497	180	44
93-PMA-0151-b	Rock Pulp	72.11	11.90	3.96	1.71	3.23	3.36	1.41	0.38	0.13	0.07	0.015	156	464	220	82	44	390	180	56	11
93-PMA-0152	Till	70.43	14.52	3.08	0.96	1.93	2.51	3.27	0.50	0.21	0.06	0.006	19	673	47	<20	<20	221	494	165	39
93-PMA-0154	Till	62.22	17.83	5.35	1.34	1.38	1.94	3.64	0.61	0.17	0.07	0.009	33	820	256	29	<20	173	379	168	39

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BUREAU VERITAS MINERAL LABORATORIES Canada

Bureau Veritas Commodities Canada Ltd.

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www.bvna.com/mining-laboratory-services

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

CERTIFICATE OF ANALYSIS VAN22003529.1

	Method	LF300	LF300	LF300	LF300	TC000	TC000	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Nb	Sc	LOI	Sum	TOT/C	TOT/S	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
	Unit	ppm	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm
	MDL	5	1	-5.1	0.01	0.02	0.02	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5
93-PMA-0093-8	Till	<5	13	4.0	99.95	0.69	0.07	0.95	24.80	5.11	49.5	74	31.5	9.1	746	2.33	4.5	0.5	1.8	1.9	61.7
93-PMA-0097	Till	15	14	3.6	99.95	0.28	<0.02	1.21	33.61	4.56	53.0	30	32.5	10.7	505	2.47	4.2	0.4	1.2	2.0	29.8
93-PMA-0113	Till	10	19	2.4	99.90	0.12	<0.02	0.24	36.54	2.23	31.1	19	35.2	9.8	265	1.94	2.1	0.5	0.5	1.9	36.2
93-PMA-0118-1	Till	<5	18	4.6	99.93	0.30	<0.02	1.12	38.36	6.61	79.0	142	69.3	15.2	590	3.50	8.6	0.6	1.7	2.7	39.4
93-PMA-0118-2	Till	9	18	5.7	99.92	0.33	<0.02	1.22	47.30	7.19	87.7	159	96.8	16.1	826	3.50	7.0	0.6	1.7	3.3	41.1
93-PMA-0126-1	Till	11	18	4.8	99.91	0.50	0.02	1.58	48.51	6.38	86.9	133	101.6	19.7	727	3.43	8.6	0.4	1.2	1.9	52.7
93-PMA-0126-2	Till	9	18	4.5	99.91	0.47	<0.02	1.52	46.25	6.50	85.4	151	84.1	14.3	648	3.41	9.0	0.4	1.1	2.0	55.8
93-PMA-0126-3	Till	14	18	4.5	99.89	0.27	<0.02	2.06	60.61	7.04	91.7	92	136.5	21.0	829	3.76	15.1	0.4	1.6	1.9	38.4
93-PMA-0127-1	Till	13	20	5.4	99.89	0.35	<0.02	2.75	61.02	7.09	117.0	70	200.9	24.7	1003	4.30	16.1	0.5	1.2	1.8	35.0
93-PMA-0127-2	Till	11	19	4.9	99.91	0.31	<0.02	2.54	54.82	6.78	111.4	130	151.2	22.9	999	4.02	14.1	0.5	1.5	1.8	37.3
93-PMA-0127-3	Till	9	20	4.9	99.91	0.34	<0.02	2.58	56.99	7.04	111.4	107	141.7	21.1	913	3.97	14.1	0.4	1.5	1.9	36.3
93-PMA-0128	Till	12	13	5.6	99.94	0.94	<0.02	1.06	33.14	4.31	68.5	35	59.5	11.3	463	2.35	13.2	0.4	1.9	2.0	58.8
93-PMA-0128-b	Rock Pulp	16	9	0.8	99.94	0.08	0.04	11.78	152.68	256.10	200.7	111	76.8	46.4	268	1.55	9.4	0.4	35.0	2.8	30.2
93-PMA-0129	Till	<5	16	6.5	99.92	0.91	<0.02	1.74	58.53	6.24	82.2	76	74.6	16.6	739	3.11	22.3	0.4	3.1	2.5	75.0
93-PMA-0132	Till	<5	14	6.1	99.92	0.99	<0.02	1.00	39.21	5.24	63.8	61	35.1	11.2	590	2.48	7.2	0.3	2.3	2.1	53.8
93-PMA-0133	Till	8	12	7.1	99.91	1.35	<0.02	0.94	35.39	3.17	53.6	83	62.4	10.9	483	2.26	5.0	0.4	1.3	2.4	47.1
93-PMA-0134	Till	8	16	4.6	99.92	0.26	<0.02	1.20	46.27	5.93	68.3	56	39.4	11.0	615	2.97	6.3	0.5	2.1	2.2	43.6
93-PMA-0135	Till	8	13	5.6	99.87	0.80	<0.02	1.21	49.83	6.14	72.5	227	247.6	23.6	695	3.02	10.6	0.6	1.5	4.3	38.5
93-PMA-0139	Till	5	16	4.9	99.90	0.55	<0.02	1.14	42.71	5.04	94.3	150	62.2	14.8	744	3.49	10.0	0.3	0.9	1.8	67.1
93-PMA-0145-2	Till	8	14	4.1	99.90	0.50	0.02	1.00	41.08	2.91	31.5	48	33.2	10.4	557	2.62	2.5	1.2	1.7	3.9	116.9
93-PMA-0145-3	Till	<5	14	4.6	99.90	0.49	0.02	0.96	44.32	3.33	33.8	47	36.6	11.2	631	2.76	3.0	1.2	2.2	4.2	124.1
93-PMA-0145-4	Till	8	14	4.3	99.92	0.50	<0.02	0.68	53.75	2.93	32.0	53	36.2	10.9	587	2.77	3.0	1.0	3.3	3.7	111.4
93-PMA-0148	Till	14	9	2.7	99.93	0.12	<0.02	0.25	14.00	7.10	33.7	7	16.6	5.7	259	1.67	2.3	2.0	0.7	9.2	10.6
93-PMA-0149-1	Till	19	11	5.6	99.94	0.50	<0.02	0.25	18.48	9.75	52.4	25	22.0	8.7	375	2.21	3.1	0.9	0.5	7.0	40.1
93-PMA-0149-2	Till	15	11	5.2	99.94	0.49	<0.02	0.34	21.66	11.02	59.4	27	25.7	10.1	428	2.62	4.0	1.0	0.8	8.0	47.8
93-PMA-0149-3	Till	16	12	4.3	99.94	0.16	<0.02	0.45	25.47	13.39	63.7	17	30.0	11.3	525	2.93	4.9	1.0	1.1	8.6	31.2
93-PMA-0151	Till	23	7	2.3	99.96	0.13	<0.02	0.14	8.82	7.20	25.6	7	10.8	3.7	123	1.16	3.1	2.5	0.8	17.0	4.4
93-PMA-0151-b	Rock Pulp	13	9	1.5	99.95	0.08	0.04	12.21	154.08	259.83	206.7	109	79.6	47.5	280	1.62	9.5	0.4	35.7	2.8	31.6
93-PMA-0152	Till	15	8	2.3	99.96	0.11	<0.02	0.28	13.89	7.76	38.1	41	16.2	5.2	221	1.60	2.4	1.9	0.5	11.7	32.3
93-PMA-0154	Till	23	12	5.1	99.93	0.18	<0.02	0.42	26.15	75.37	232.6	25	31.6	10.6	380	3.22	4.6	2.9	1.3	10.6	25.9

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BUREAU VERITAS MINERAL LABORATORIES Canada

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

CERTIFICATE OF ANALYSIS VAN22003529.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg
	Unit	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb
	MDL	0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5
93-PMA-0093-8	Till	0.27	0.30	0.07	51	1.70	0.073	9.9	35.4	0.62	143.9	0.084	<20	1.08	0.024	0.09	<0.1	5.1	0.07	0.07	29
93-PMA-0097	Till	0.18	0.35	0.07	53	0.43	0.060	11.5	34.6	0.68	188.7	0.144	<20	1.58	0.014	0.11	<0.1	5.2	0.13	<0.02	33
93-PMA-0113	Till	0.05	0.13	0.03	49	0.59	0.131	8.7	30.9	0.76	138.3	0.112	<20	1.42	0.015	0.16	<0.1	2.9	0.09	<0.02	13
93-PMA-0118-1	Till	0.18	0.46	0.10	75	0.58	0.077	11.6	62.9	0.97	196.5	0.098	<20	1.73	0.026	0.16	<0.1	8.3	0.13	<0.02	41
93-PMA-0118-2	Till	0.17	0.45	0.17	76	0.56	0.075	12.0	78.2	1.13	220.4	0.097	<20	2.00	0.028	0.17	<0.1	9.4	0.17	<0.02	41
93-PMA-0126-1	Till	0.45	0.51	0.12	61	1.15	0.090	10.1	91.3	1.29	124.6	0.115	<20	1.71	0.017	0.15	<0.1	6.4	0.12	<0.02	42
93-PMA-0126-2	Till	0.37	0.50	0.11	61	1.24	0.090	10.6	83.1	1.14	141.3	0.118	<20	1.68	0.018	0.14	<0.1	6.5	0.11	<0.02	35
93-PMA-0126-3	Till	0.35	0.62	0.14	67	0.49	0.091	11.9	118.6	1.22	139.3	0.121	<20	1.84	0.015	0.12	0.1	7.4	0.15	<0.02	38
93-PMA-0127-1	Till	0.54	0.73	0.11	65	0.46	0.083	10.9	167.3	1.64	164.4	0.112	<20	1.93	0.013	0.13	<0.1	7.5	0.13	<0.02	28
93-PMA-0127-2	Till	0.58	0.65	0.11	64	0.54	0.086	10.4	129.2	1.58	152.4	0.111	<20	1.85	0.018	0.13	<0.1	7.1	0.13	<0.02	24
93-PMA-0127-3	Till	0.56	0.75	0.12	61	0.53	0.086	10.2	116.5	1.45	152.3	0.109	<20	1.86	0.016	0.14	<0.1	6.9	0.12	<0.02	30
93-PMA-0128	Till	0.40	1.82	0.06	51	2.40	0.082	10.1	50.4	0.94	171.3	0.070	<20	1.00	0.017	0.10	<0.1	5.4	0.22	<0.02	267
93-PMA-0128-b	Rock Pulp	0.44	0.16	0.13	23	0.52	0.048	24.6	28.1	0.45	52.1	0.066	<20	0.75	0.081	0.11	<0.1	2.8	0.08	0.04	12
93-PMA-0129	Till	0.66	1.35	0.23	67	2.79	0.077	11.4	56.8	1.04	224.8	0.072	<20	1.29	0.021	0.11	0.3	7.6	0.19	<0.02	347
93-PMA-0132	Till	0.30	0.44	0.09	49	2.72	0.069	10.8	30.1	0.95	251.1	0.092	<20	1.30	0.016	0.12	<0.1	5.0	0.13	<0.02	47
93-PMA-0133	Till	0.24	0.30	0.08	48	3.84	0.072	10.4	50.2	1.12	226.4	0.109	<20	1.36	0.028	0.21	<0.1	4.7	0.18	<0.02	43
93-PMA-0134	Till	0.10	0.37	0.10	62	0.59	0.066	12.3	36.6	0.70	156.8	0.091	<20	1.63	0.022	0.10	<0.1	6.9	0.11	<0.02	41
93-PMA-0135	Till	0.44	0.52	0.16	47	2.10	0.064	13.3	155.7	2.13	170.5	0.092	<20	1.35	0.029	0.24	0.1	5.0	0.20	<0.02	28
93-PMA-0139	Till	0.40	0.50	0.08	66	1.51	0.075	9.0	59.8	1.03	174.5	0.105	<20	1.77	0.020	0.27	<0.1	6.6	0.22	<0.02	17
93-PMA-0145-2	Till	0.06	0.19	0.08	74	1.99	0.098	10.7	36.3	0.88	119.8	0.081	<20	1.28	0.039	0.14	<0.1	4.4	0.05	<0.02	12
93-PMA-0145-3	Till	0.06	0.20	0.09	77	2.03	0.092	11.4	38.5	0.95	153.4	0.086	<20	1.39	0.040	0.15	<0.1	4.7	0.06	<0.02	10
93-PMA-0145-4	Till	0.07	0.20	0.09	79	2.03	0.100	10.7	40.9	0.93	135.5	0.085	<20	1.30	0.039	0.15	0.1	4.7	0.05	<0.02	19
93-PMA-0148	Till	0.04	0.21	0.38	22	0.20	0.054	27.1	17.5	0.32	51.6	0.052	<20	0.92	0.007	0.19	0.1	2.2	0.18	<0.02	7
93-PMA-0149-1	Till	0.08	0.15	0.23	30	1.37	0.041	19.1	23.1	0.50	91.5	0.072	<20	1.37	0.016	0.34	<0.1	3.5	0.23	<0.02	13
93-PMA-0149-2	Till	0.08	0.18	0.26	36	1.58	0.049	22.1	27.1	0.60	107.9	0.083	<20	1.61	0.020	0.41	0.1	4.1	0.26	<0.02	7
93-PMA-0149-3	Till	0.06	0.18	0.29	40	0.49	0.051	23.7	31.6	0.60	120.5	0.089	<20	1.86	0.020	0.43	0.1	4.9	0.29	<0.02	13
93-PMA-0151	Till	0.02	0.24	0.13	11	0.16	0.064	39.7	11.0	0.19	33.5	0.031	<20	0.62	0.007	0.13	0.1	1.1	0.10	<0.02	<5
93-PMA-0151-b	Rock Pulp	0.45	0.16	0.13	24	0.56	0.048	24.7	29.5	0.48	51.7	0.073	<20	0.79	0.089	0.12	<0.1	2.9	0.09	0.04	11
93-PMA-0152	Till	0.05	0.06	0.26	21	0.39	0.074	30.9	17.4	0.32	60.6	0.055	<20	1.18	0.026	0.22	0.2	2.4	0.16	<0.02	<5
93-PMA-0154	Till	0.12	0.11	0.42	36	0.33	0.057	27.0	33.5	0.59	168.7	0.120	<20	2.29	0.015	0.50	0.2	5.2	0.49	<0.02	20

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3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

CERTIFICATE OF ANALYSIS VAN22003529.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
93-PMA-0093-8	Till	0.3	0.03	3.1	0.52	<0.1	0.19	0.10	4.0	0.3	<0.05	6.9	8.93	20.0	<0.02	<1	0.3	7.6	<10	<2
93-PMA-0097	Till	0.4	0.04	4.3	0.75	<0.1	0.04	0.37	6.9	0.3	<0.05	2.2	8.83	23.6	<0.02	<1	0.4	11.6	<10	<2
93-PMA-0113	Till	0.1	<0.02	4.3	0.44	<0.1	0.07	0.16	6.7	0.2	<0.05	2.9	5.26	21.6	<0.02	<1	0.2	7.7	<10	<2
93-PMA-0118-1	Till	0.3	0.03	5.1	1.20	<0.1	0.21	0.08	9.0	0.5	<0.05	7.5	11.21	23.1	0.03	<1	0.5	13.4	<10	<2
93-PMA-0118-2	Till	0.4	0.04	5.9	1.59	<0.1	0.16	0.07	11.1	0.6	<0.05	6.4	12.20	23.6	0.04	<1	0.6	16.8	<10	<2
93-PMA-0126-1	Till	0.8	0.05	4.8	0.92	<0.1	0.15	0.10	7.2	0.3	<0.05	6.2	10.40	21.3	0.03	<1	0.4	12.6	<10	<2
93-PMA-0126-2	Till	0.7	0.04	4.7	0.86	<0.1	0.18	0.11	7.0	0.4	<0.05	6.9	10.68	22.1	0.02	<1	0.4	12.0	<10	<2
93-PMA-0126-3	Till	0.2	0.06	5.1	1.13	<0.1	0.15	0.10	7.5	0.4	<0.05	6.1	12.28	23.9	0.03	<1	0.4	12.5	<10	<2
93-PMA-0127-1	Till	0.5	0.06	5.1	0.69	<0.1	0.11	0.07	5.9	0.3	<0.05	5.0	12.37	21.1	0.03	<1	0.4	12.6	<10	<2
93-PMA-0127-2	Till	0.5	0.05	5.1	0.69	<0.1	0.14	0.05	6.1	0.3	<0.05	6.0	11.90	21.0	0.03	<1	0.4	12.4	<10	<2
93-PMA-0127-3	Till	0.5	0.06	5.0	0.74	<0.1	0.14	0.06	6.2	0.3	<0.05	5.7	11.55	20.6	0.03	<1	0.4	12.6	<10	<2
93-PMA-0128	Till	0.2	0.03	3.0	1.53	<0.1	0.16	0.10	5.9	0.2	<0.05	6.1	7.79	19.8	<0.02	<1	0.4	7.3	<10	<2
93-PMA-0128-b	Rock Pulp	0.2	<0.02	2.7	1.10	<0.1	0.19	0.31	6.5	1.9	<0.05	6.3	5.17	43.2	0.04	1	0.2	8.0	47	27
93-PMA-0129	Till	0.4	0.04	4.2	1.50	<0.1	0.21	0.07	6.6	0.3	<0.05	8.5	9.47	22.9	0.02	<1	0.4	9.1	<10	<2
93-PMA-0132	Till	0.3	0.04	4.1	0.72	<0.1	0.16	0.11	5.6	0.3	<0.05	7.7	8.50	23.6	<0.02	<1	0.3	8.8	<10	<2
93-PMA-0133	Till	0.3	0.03	4.6	1.11	<0.1	0.12	0.17	13.4	0.3	<0.05	6.2	8.44	20.8	<0.02	<1	0.3	9.8	<10	<2
93-PMA-0134	Till	0.5	0.04	5.0	0.80	<0.1	0.19	0.09	5.2	0.3	<0.05	8.2	10.97	23.7	0.02	<1	0.4	9.8	<10	<2
93-PMA-0135	Till	0.6	0.07	4.6	1.60	<0.1	0.17	0.05	15.0	0.4	<0.05	6.9	7.87	27.3	0.02	<1	0.3	13.2	<10	<2
93-PMA-0139	Till	0.3	0.04	5.5	1.48	<0.1	0.19	0.06	11.4	0.3	<0.05	6.9	9.82	18.9	0.02	<1	0.3	12.6	<10	<2
93-PMA-0145-2	Till	0.2	0.05	4.6	0.55	<0.1	0.22	0.13	6.8	0.3	<0.05	5.7	8.48	20.1	<0.02	<1	0.4	6.6	<10	<2
93-PMA-0145-3	Till	0.2	0.05	5.0	0.63	<0.1	0.23	0.12	7.4	0.3	<0.05	5.9	8.97	21.4	<0.02	<1	0.4	7.2	<10	<2
93-PMA-0145-4	Till	0.2	0.04	4.9	0.57	<0.1	0.20	0.12	7.1	0.3	<0.05	5.7	8.59	20.1	<0.02	<1	0.4	6.8	<10	<2
93-PMA-0148	Till	0.3	<0.02	3.0	2.25	<0.1	0.03	0.36	22.0	0.4	<0.05	1.8	8.29	57.0	<0.02	<1	0.6	17.8	<10	<2
93-PMA-0149-1	Till	0.2	<0.02	4.9	1.76	<0.1	0.11	0.18	27.9	0.4	<0.05	4.1	7.52	39.1	<0.02	<1	0.5	18.8	<10	<2
93-PMA-0149-2	Till	0.2	0.02	5.8	2.06	<0.1	0.11	0.20	33.6	0.5	<0.05	4.6	8.65	45.1	<0.02	<1	0.6	22.0	<10	<2
93-PMA-0149-3	Till	0.2	0.02	6.4	2.26	<0.1	0.11	0.18	38.6	0.5	<0.05	4.9	10.20	49.8	<0.02	<1	0.8	24.0	<10	<2
93-PMA-0151	Till	0.3	<0.02	2.0	0.86	<0.1	<0.02	0.46	11.5	0.2	<0.05	0.7	12.08	82.4	<0.02	<1	0.3	9.4	<10	<2
93-PMA-0151-b	Rock Pulp	0.2	<0.02	2.9	1.15	<0.1	0.20	0.35	6.9	2.0	<0.05	6.5	5.39	43.5	0.03	<1	0.2	8.2	46	27
93-PMA-0152	Till	0.3	<0.02	4.0	1.31	<0.1	0.06	0.37	19.6	0.3	<0.05	1.9	11.82	61.5	<0.02	<1	0.6	15.5	<10	<2
93-PMA-0154	Till	0.3	0.02	7.9	3.24	<0.1	0.05	0.45	53.0	0.7	<0.05	2.5	12.23	55.8	0.03	<1	1.2	28.2	<10	<2

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BUREAU VERITAS MINERAL LABORATORIES Canada

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PHONE (604) 253-3158

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

CERTIFICATE OF ANALYSIS VAN22003529.1

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y
	Unit	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3
93-PMA-0155	Till	65.18	17.44	3.91	1.29	1.66	2.35	3.75	0.54	0.14	0.05	0.009	27	748	96	23	<20	224	255	123	29
93-PMA-0156	Till	58.24	13.91	7.14	2.86	5.01	2.13	1.91	0.80	0.25	0.13	0.019	107	935	146	76	<20	267	157	44	24
93-PMA-0158	Till	62.19	13.33	6.88	3.04	4.01	2.74	1.61	0.70	0.19	0.12	0.025	72	771	66	43	<20	346	157	<30	19
93-PMA-0163	Till	69.36	10.54	5.59	2.78	3.31	2.08	1.64	0.65	0.21	0.11	0.020	54	965	77	64	<20	215	141	31	19
93-PMA-0169-2	Till	57.89	13.95	7.41	3.20	6.78	3.00	1.89	0.77	0.29	0.14	0.012	69	860	63	25	<20	517	132	<30	19
93-PMA-0169-3	Till	56.78	14.15	7.62	3.38	6.91	2.93	1.89	0.78	0.29	0.14	0.012	78	874	69	25	<20	490	126	<30	18
93-PMA-0173	Till	60.17	15.21	6.84	2.96	4.55	3.16	2.45	0.74	0.36	0.14	0.010	64	1101	80	21	<20	476	263	73	22
93-PMA-0181-1	Till	58.55	13.18	6.71	3.14	5.82	2.35	1.62	0.79	0.24	0.14	0.017	92	960	115	47	<20	335	133	35	21
93-PMA-0181-2	Till	59.14	13.16	6.78	3.00	5.71	2.27	1.63	0.79	0.24	0.14	0.017	98	1075	129	51	<20	332	148	<30	23
93-PMA-0181-3	Till	59.14	13.04	6.64	2.95	5.61	2.27	1.64	0.78	0.24	0.13	0.016	95	1078	128	54	<20	329	144	33	22
93-PMA-0181-4	Till	59.13	12.98	6.80	2.91	5.56	2.18	1.63	0.77	0.24	0.14	0.016	100	1092	137	54	<20	325	134	35	23
93-PMA-0181-6	Till	63.30	12.06	6.35	2.54	4.77	2.12	1.55	0.73	0.24	0.13	0.015	82	1240	115	41	<20	318	136	40	22
93-PMA-0185-1	Till	55.40	15.75	10.12	2.95	2.68	1.97	2.68	0.80	0.40	0.25	0.019	164	896	130	45	31	330	112	<30	23
93-PMA-0189	Till	76.37	9.52	4.48	1.40	1.17	1.99	1.28	0.65	0.17	0.12	0.009	61	629	84	44	<20	116	133	46	23
93-PMA-0194-1	Till	74.56	10.10	4.81	0.85	1.58	2.40	1.32	0.68	0.16	0.14	0.021	40	796	80	34	<20	238	240	<30	19
93-PMA-0194-2	Till	73.20	10.48	5.22	0.92	1.62	2.31	1.27	0.67	0.16	0.17	0.020	43	818	86	34	<20	234	199	41	22
93-PMA-0198-1	Till	69.05	12.36	5.31	1.39	1.74	1.78	1.47	0.71	0.16	0.12	0.014	47	924	94	50	<20	210	157	41	21
93-PMA-0198-2	Till	67.55	12.73	5.90	1.58	2.03	2.01	1.54	0.72	0.16	0.10	0.014	47	963	109	45	<20	194	148	<30	22
93-PMA-0201	Till	67.30	12.76	6.16	1.45	1.63	1.97	1.60	0.74	0.19	0.19	0.018	57	918	101	83	25	212	146	32	20
93-PMA-0202-1	Till	71.42	11.49	4.90	1.45	2.31	2.75	1.14	0.72	0.18	0.10	0.015	35	630	66	38	<20	246	140	<30	21
93-PMA-0202-2	Till	70.15	11.98	5.49	1.59	2.11	2.64	1.16	0.79	0.17	0.10	0.020	43	669	69	44	<20	233	164	<30	26
93-PMA-0204	Till	66.89	13.08	6.34	2.04	1.71	2.52	1.55	0.75	0.21	0.12	0.016	82	711	86	55	<20	198	150	<30	24
93-PMA-0205	Till	66.45	12.72	5.98	1.84	2.66	2.51	1.58	0.77	0.20	0.10	0.015	51	717	88	45	<20	232	150	<30	22
93-PMA-0208	Till	82.71	6.71	3.28	1.01	1.13	1.76	0.76	0.58	0.16	0.07	0.010	35	465	58	34	<20	99	98	31	19
93-PMA-0210-1	Till	74.95	8.11	4.29	2.38	2.69	1.78	1.08	0.58	0.16	0.09	0.017	46	673	72	66	<20	127	93	<30	19
93-PMA-0210-2	Till	73.01	8.13	4.48	2.70	3.41	1.67	1.17	0.57	0.15	0.10	0.020	52	762	79	64	<20	129	97	<30	17
93-PMA-0210-3	Till	78.10	7.38	3.66	1.51	2.37	1.66	0.96	0.55	0.14	0.08	0.011	40	618	64	42	<20	121	95	31	17
93-PMA-0210-4	Till	77.39	7.65	3.90	1.50	2.31	1.69	1.01	0.58	0.16	0.09	0.010	44	645	68	46	<20	118	96	<30	18
93-PMA-0211-1	Till	66.40	12.16	6.40	3.57	1.54	1.86	1.95	0.71	0.18	0.15	0.028	77	1238	113	163	23	122	134	<30	22
93-PMA-0211-2	Till	64.11	12.95	6.83	3.82	1.26	1.73	2.08	0.72	0.18	0.13	0.033	88	1368	121	199	27	121	135	39	23

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BUREAU VERITAS MINERAL LABORATORIES Canada

Bureau Veritas Commodities Canada Ltd.

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PHONE (604) 253-3158

www.bvna.com/mining-laboratory-services

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

CERTIFICATE OF ANALYSIS VAN22003529.1

	Method	LF300	LF300	LF300	LF300	TC000	TC000	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Nb	Sc	LOI	Sum	TOT/C	TOT/S	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
	Unit	ppm	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm
	MDL	5	1	-5.1	0.01	0.02	0.02	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5
93-PMA-0155	Till	16	10	3.5	99.95	0.14	<0.02	0.40	20.11	22.07	83.6	23	25.4	8.9	285	2.34	2.1	2.2	6.5	9.1	24.0
93-PMA-0156	Till	9	22	7.3	99.90	0.86	<0.02	4.56	98.22	8.65	128.6	487	70.7	21.8	922	4.07	23.9	0.5	8.6	2.8	89.2
93-PMA-0158	Till	<5	25	4.9	99.90	0.16	<0.02	0.49	60.96	4.12	48.9	37	38.2	15.0	719	3.61	4.7	0.7	12.6	2.7	37.8
93-PMA-0163	Till	6	17	3.5	99.93	0.25	<0.02	1.19	45.95	8.71	63.3	99	55.3	13.4	716	2.84	8.2	0.3	3.4	2.8	37.0
93-PMA-0169-2	Till	6	22	4.4	99.89	0.45	0.02	0.54	56.46	3.14	43.7	76	22.8	15.9	674	3.43	7.6	0.4	3.0	1.7	73.4
93-PMA-0169-3	Till	8	22	4.8	99.88	0.55	0.03	0.39	62.87	3.40	48.5	77	22.1	16.5	740	3.65	8.1	0.4	3.3	1.7	79.5
93-PMA-0173	Till	15	19	3.1	99.90	0.05	<0.02	0.44	54.12	5.38	61.2	87	20.4	13.3	737	3.18	5.2	0.8	1.9	10.7	44.7
93-PMA-0181-1	Till	8	20	7.1	99.90	1.02	0.05	3.60	79.42	6.27	99.1	346	49.7	17.5	918	3.79	15.2	0.6	6.0	1.9	110.5
93-PMA-0181-2	Till	10	20	6.8	99.90	1.04	0.05	4.56	87.41	6.99	113.4	449	51.8	18.3	929	3.85	16.4	0.6	2.8	1.9	111.6
93-PMA-0181-3	Till	6	20	7.2	99.90	1.06	0.06	4.18	81.69	6.88	108.8	430	47.5	17.0	850	3.60	15.9	0.6	7.0	1.8	104.1
93-PMA-0181-4	Till	<5	21	7.3	99.88	1.07	0.05	4.34	84.71	7.14	117.5	489	48.4	17.5	907	3.72	18.5	0.6	2.9	1.9	106.5
93-PMA-0181-6	Till	<5	17	5.9	99.91	0.87	0.03	3.64	70.25	7.36	97.6	491	41.6	15.6	871	3.52	16.8	0.5	5.4	2.1	90.3
93-PMA-0185-1	Till	5	32	6.7	99.88	0.49	<0.02	1.08	148.17	12.58	106.6	138	40.9	29.5	1781	5.24	17.6	1.1	12.6	1.3	47.8
93-PMA-0189	Till	7	13	2.7	99.94	0.12	<0.02	2.02	54.43	6.77	72.7	43	40.2	12.1	808	2.51	7.9	0.3	3.2	2.6	13.7
93-PMA-0194-1	Till	6	12	3.2	99.95	0.17	<0.02	0.95	29.06	5.66	71.3	33	32.4	11.8	984	2.78	6.1	0.3	1.2	1.4	35.1
93-PMA-0194-2	Till	8	13	3.7	99.96	0.21	<0.02	1.21	35.41	7.01	79.7	30	38.0	14.9	1237	3.12	7.2	0.4	1.6	1.5	41.3
93-PMA-0198-1	Till	<5	14	5.7	99.94	0.65	0.05	1.24	37.35	6.35	81.8	113	55.6	15.2	900	3.11	4.5	0.4	1.3	1.9	50.4
93-PMA-0198-2	Till	<5	16	5.4	99.95	0.46	0.05	1.01	41.87	7.42	86.8	136	45.2	15.0	712	3.48	7.1	0.4	1.5	1.8	42.7
93-PMA-0201	Till	10	16	5.8	99.94	0.32	<0.02	1.27	50.50	7.68	85.3	57	70.6	23.6	1374	3.57	6.7	0.4	1.3	1.9	50.4
93-PMA-0202-1	Till	7	15	3.4	99.95	0.12	<0.02	0.58	31.51	3.97	55.9	19	31.4	10.6	620	2.51	4.6	0.2	8.8	1.3	38.7
93-PMA-0202-2	Till	9	18	3.6	99.94	0.17	<0.02	0.64	36.75	4.88	57.2	11	33.3	10.7	624	2.83	5.2	0.3	0.9	1.5	35.1
93-PMA-0204	Till	12	18	4.5	99.92	0.24	<0.02	0.71	74.00	5.56	74.1	37	48.5	16.4	816	3.52	7.9	0.3	2.3	1.6	38.3
93-PMA-0205	Till	7	17	5.0	99.94	0.36	<0.02	1.12	47.12	5.83	77.8	51	37.7	12.0	642	3.32	7.3	0.3	1.0	1.9	58.2
93-PMA-0208	Till	7	9	1.7	99.97	0.10	<0.02	1.53	37.76	6.26	58.6	88	31.4	9.8	516	1.89	7.7	0.3	3.0	2.4	16.0
93-PMA-0210-1	Till	9	13	3.7	99.94	0.48	<0.02	1.66	47.74	7.93	64.5	128	65.9	14.2	627	2.46	7.3	0.4	1.3	2.5	41.3
93-PMA-0210-2	Till	7	14	4.4	99.94	0.60	<0.02	1.97	51.15	10.70	75.3	173	58.0	14.2	672	2.58	16.9	0.4	0.7	2.4	50.9
93-PMA-0210-3	Till	10	10	3.4	99.96	0.45	<0.02	1.60	39.98	6.47	58.0	108	42.4	11.4	578	2.19	9.3	0.4	1.3	2.3	41.8
93-PMA-0210-4	Till	9	11	3.6	99.96	0.44	<0.02	1.76	44.19	6.66	64.2	128	47.4	12.7	670	2.34	9.3	0.3	1.4	2.3	37.1
93-PMA-0211-1	Till	11	18	4.8	99.91	0.24	<0.02	2.54	71.21	9.75	102.9	120	146.3	24.5	1052	3.72	17.3	0.5	3.3	3.5	29.2
93-PMA-0211-2	Till	11	19	5.8	99.90	0.27	<0.02	2.60	82.96	9.69	106.9	201	178.2	25.9	906	4.04	21.2	0.5	4.5	3.5	28.4

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Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

CERTIFICATE OF ANALYSIS VAN22003529.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg
	Unit	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb
	MDL	0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5
93-PMA-0155	Till	0.05	0.08	0.15	30	0.30	0.048	22.6	26.9	0.54	94.7	0.116	<20	1.64	0.016	0.43	0.1	3.5	0.34	<0.02	7
93-PMA-0156	Till	0.97	1.30	0.12	73	2.73	0.095	10.9	53.6	1.16	100.1	0.085	<20	1.69	0.010	0.11	0.1	8.5	0.13	<0.02	61
93-PMA-0158	Till	0.12	0.39	0.09	112	0.80	0.073	9.0	64.2	0.93	85.7	0.140	<20	1.90	0.014	0.07	0.1	11.8	0.10	<0.02	84
93-PMA-0163	Till	0.24	0.65	0.13	51	1.00	0.077	9.8	59.3	0.82	192.3	0.063	<20	1.01	0.009	0.10	0.1	4.5	0.08	<0.02	109
93-PMA-0169-2	Till	0.10	0.54	0.05	105	2.19	0.116	7.6	36.8	1.07	71.7	0.135	<20	1.57	0.019	0.11	0.1	6.5	0.04	0.03	20
93-PMA-0169-3	Till	0.10	0.55	0.05	111	2.62	0.115	7.3	33.8	1.22	82.6	0.147	<20	1.83	0.019	0.14	0.1	7.0	0.04	0.03	10
93-PMA-0173	Till	0.17	0.29	0.09	78	0.76	0.144	28.6	30.2	1.01	137.7	0.121	<20	1.59	0.025	0.38	0.1	5.5	0.22	<0.02	6
93-PMA-0181-1	Till	0.79	0.87	0.08	86	3.00	0.085	8.5	52.1	1.27	119.9	0.128	<20	1.82	0.016	0.12	0.1	8.2	0.09	0.06	50
93-PMA-0181-2	Till	0.94	0.93	0.10	84	3.01	0.097	8.5	49.7	1.23	141.1	0.122	<20	1.79	0.017	0.13	0.1	8.1	0.10	0.06	51
93-PMA-0181-3	Till	0.95	1.04	0.09	77	2.84	0.090	7.8	43.4	1.14	123.9	0.106	<20	1.61	0.015	0.11	0.1	7.5	0.09	0.05	50
93-PMA-0181-4	Till	1.02	0.98	0.10	77	2.87	0.086	7.8	42.5	1.16	134.5	0.107	<20	1.65	0.014	0.13	0.1	7.5	0.10	0.06	47
93-PMA-0181-6	Till	0.79	0.97	0.16	68	2.32	0.087	9.2	35.9	0.99	134.7	0.094	<20	1.40	0.011	0.12	0.2	6.1	0.10	0.03	54
93-PMA-0185-1	Till	0.43	1.01	0.06	110	0.76	0.158	10.1	59.7	1.27	274.4	0.045	<20	1.90	0.007	0.11	0.2	17.0	0.10	<0.02	41
93-PMA-0189	Till	0.20	0.55	0.13	27	0.21	0.062	11.7	24.1	0.48	89.7	0.046	<20	0.91	0.004	0.07	<0.1	3.5	0.09	<0.02	46
93-PMA-0194-1	Till	0.34	0.30	0.05	50	0.41	0.055	8.7	24.2	0.30	131.3	0.052	<20	0.81	0.016	0.05	<0.1	5.4	0.12	<0.02	33
93-PMA-0194-2	Till	0.31	0.36	0.06	54	0.51	0.059	10.3	27.0	0.35	181.3	0.055	<20	0.97	0.016	0.05	<0.1	6.6	0.15	<0.02	40
93-PMA-0198-1	Till	0.32	0.29	0.09	57	0.79	0.054	9.5	38.5	0.59	214.6	0.033	<20	1.37	0.016	0.11	<0.1	6.7	0.13	0.06	43
93-PMA-0198-2	Till	0.34	0.33	0.09	67	0.93	0.053	9.2	35.2	0.68	210.5	0.057	<20	1.51	0.017	0.10	<0.1	8.3	0.18	0.06	82
93-PMA-0201	Till	0.39	0.42	0.10	55	0.67	0.069	9.8	44.5	0.59	207.1	0.043	<20	1.45	0.014	0.10	<0.1	7.2	0.16	<0.02	37
93-PMA-0202-1	Till	0.21	0.24	0.04	42	0.38	0.071	7.3	32.1	0.54	109.6	0.064	<20	1.02	0.010	0.05	<0.1	4.6	0.06	<0.02	14
93-PMA-0202-2	Till	0.14	0.29	0.05	49	0.32	0.068	9.7	37.6	0.59	140.1	0.075	<20	1.23	0.007	0.05	<0.1	6.0	0.08	<0.02	30
93-PMA-0204	Till	0.19	0.40	0.06	54	0.40	0.082	9.5	42.0	0.86	117.9	0.065	<20	1.68	0.008	0.10	<0.1	6.7	0.10	<0.02	26
93-PMA-0205	Till	0.22	0.38	0.08	53	0.99	0.082	9.9	41.8	0.73	127.9	0.076	<20	1.59	0.011	0.12	<0.1	5.8	0.09	<0.02	24
93-PMA-0208	Till	0.39	1.09	0.13	24	0.28	0.070	11.8	26.6	0.37	67.7	0.053	<20	0.59	0.005	0.05	<0.1	3.0	0.06	<0.02	547
93-PMA-0210-1	Till	0.37	1.04	0.13	37	1.14	0.066	9.9	64.1	0.85	131.9	0.063	<20	0.93	0.007	0.10	<0.1	4.2	0.09	<0.02	133
93-PMA-0210-2	Till	0.49	2.28	0.19	39	1.48	0.067	10.3	64.3	0.90	156.3	0.064	<20	0.98	0.008	0.13	<0.1	4.4	0.10	0.02	227
93-PMA-0210-3	Till	0.36	1.00	0.11	31	1.14	0.065	10.0	36.9	0.61	127.7	0.054	<20	0.81	0.006	0.10	<0.1	3.6	0.08	<0.02	518
93-PMA-0210-4	Till	0.43	1.08	0.14	31	1.12	0.065	10.1	38.4	0.60	124.3	0.054	<20	0.84	0.006	0.09	<0.1	3.6	0.09	<0.02	389
93-PMA-0211-1	Till	0.48	1.76	0.18	54	0.59	0.071	13.3	104.5	1.48	174.8	0.070	<20	1.50	0.008	0.12	<0.1	6.5	0.13	<0.02	341
93-PMA-0211-2	Till	0.48	1.73	0.19	60	0.43	0.074	13.8	122.2	1.58	195.3	0.069	<20	1.69	0.009	0.13	<0.1	8.2	0.15	<0.02	235

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.

BUREAU VERITAS MINERAL LABORATORIES Canada

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

CERTIFICATE OF ANALYSIS VAN22003529.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
93-PMA-0155	Till	0.2	0.02	6.2	1.82	<0.1	0.04	0.62	41.0	0.4	<0.05	1.7	8.76	48.0	<0.02	<1	0.6	20.3	<10	<2
93-PMA-0156	Till	1.5	0.07	5.1	0.61	<0.1	0.10	0.11	4.9	0.2	<0.05	5.9	9.30	21.9	0.03	<1	0.4	14.4	<10	3
93-PMA-0158	Till	0.3	<0.02	6.3	1.40	<0.1	0.26	0.06	5.4	0.3	<0.05	12.3	10.16	17.0	0.02	<1	0.4	9.5	<10	2
93-PMA-0163	Till	0.3	0.04	3.5	0.76	<0.1	0.17	0.06	5.5	0.2	<0.05	6.7	7.47	20.3	<0.02	<1	0.3	8.0	<10	<2
93-PMA-0169-2	Till	0.4	0.02	5.3	1.06	<0.1	0.21	0.05	5.2	0.2	<0.05	6.7	8.22	14.9	<0.02	<1	0.3	10.5	<10	<2
93-PMA-0169-3	Till	0.6	0.02	5.8	1.15	<0.1	0.21	0.04	6.3	0.2	<0.05	7.0	8.59	14.4	<0.02	<1	0.3	11.9	<10	<2
93-PMA-0173	Till	0.2	0.02	5.8	1.91	<0.1	0.11	0.09	27.3	0.3	<0.05	3.3	8.06	50.0	<0.02	<1	0.3	19.3	<10	<2
93-PMA-0181-1	Till	2.0	0.06	5.7	0.67	<0.1	0.24	0.11	4.6	0.2	<0.05	10.5	9.18	17.5	0.02	2	0.3	14.9	<10	<2
93-PMA-0181-2	Till	2.1	0.06	5.6	0.75	<0.1	0.24	0.09	5.0	0.2	<0.05	10.7	9.12	17.4	0.02	2	0.3	14.8	<10	2
93-PMA-0181-3	Till	2.0	0.06	5.2	0.64	<0.1	0.21	0.09	4.4	0.2	<0.05	9.4	8.51	15.7	0.02	3	0.3	13.7	<10	2
93-PMA-0181-4	Till	2.3	0.06	5.2	0.69	<0.1	0.22	0.09	5.1	0.2	<0.05	9.8	8.53	16.1	0.02	2	0.3	13.9	<10	2
93-PMA-0181-6	Till	1.6	0.08	4.7	0.91	<0.1	0.22	0.09	6.1	0.2	<0.05	8.7	7.98	18.2	<0.02	2	0.3	13.2	<10	2
93-PMA-0185-1	Till	0.5	0.05	5.6	2.40	<0.1	0.04	0.10	7.3	0.2	<0.05	1.8	14.96	20.7	0.02	<1	0.9	12.2	<10	3
93-PMA-0189	Till	0.3	0.09	2.8	0.32	<0.1	0.07	0.08	3.0	0.1	<0.05	4.5	8.20	25.5	<0.02	<1	0.3	6.2	<10	<2
93-PMA-0194-1	Till	0.2	0.03	2.9	0.40	<0.1	0.18	0.08	2.5	0.2	<0.05	6.1	8.82	18.4	0.02	<1	0.4	4.9	<10	<2
93-PMA-0194-2	Till	0.2	0.03	3.5	0.39	<0.1	0.14	0.08	2.5	0.2	<0.05	5.9	11.12	21.4	0.02	<1	0.4	5.9	<10	<2
93-PMA-0198-1	Till	0.4	0.04	4.7	0.69	<0.1	0.20	0.08	5.5	0.3	<0.05	7.1	9.72	20.7	0.03	<1	0.6	8.4	<10	<2
93-PMA-0198-2	Till	0.5	0.04	5.1	0.79	<0.1	0.25	0.05	5.5	0.3	<0.05	8.7	10.59	19.6	0.03	<1	0.5	9.4	<10	<2
93-PMA-0201	Till	<0.1	0.04	4.3	0.69	<0.1	0.18	0.11	5.6	0.4	<0.05	7.3	10.40	21.6	0.03	<1	0.5	9.5	<10	<2
93-PMA-0202-1	Till	0.1	0.02	3.0	0.32	<0.1	0.14	0.12	2.7	0.2	<0.05	5.0	7.18	14.9	<0.02	<1	0.3	5.8	<10	<2
93-PMA-0202-2	Till	0.2	<0.02	3.4	0.35	<0.1	0.11	0.16	2.6	0.2	<0.05	5.7	13.01	18.6	0.02	<1	0.4	6.1	<10	<2
93-PMA-0204	Till	0.2	0.03	4.4	0.51	<0.1	0.08	0.09	4.7	0.2	<0.05	4.6	12.55	18.3	0.02	<1	0.4	9.8	<10	<2
93-PMA-0205	Till	<0.1	0.05	4.3	0.63	<0.1	0.17	0.11	5.9	0.3	<0.05	6.8	9.83	20.1	0.03	<1	0.4	11.3	<10	<2
93-PMA-0208	Till	0.3	0.05	2.1	0.27	<0.1	0.10	0.15	2.4	0.2	<0.05	3.9	6.21	23.4	0.02	1	0.1	5.5	<10	<2
93-PMA-0210-1	Till	1.0	0.05	3.0	0.49	<0.1	0.15	0.08	5.1	0.1	<0.05	5.8	6.65	19.9	0.03	<1	0.2	8.0	<10	<2
93-PMA-0210-2	Till	0.5	0.06	3.3	0.65	<0.1	0.15	0.07	6.0	0.1	<0.05	6.0	6.77	19.8	0.02	2	0.2	8.6	<10	<2
93-PMA-0210-3	Till	0.3	0.05	2.6	0.48	<0.1	0.14	0.07	4.0	0.1	<0.05	5.7	6.16	19.7	<0.02	<1	0.2	7.2	<10	<2
93-PMA-0210-4	Till	0.3	0.04	2.6	0.47	<0.1	0.16	0.07	3.9	0.2	<0.05	5.9	5.98	20.4	0.02	<1	0.2	7.3	<10	<2
93-PMA-0211-1	Till	0.3	0.06	4.7	0.73	<0.1	0.17	0.06	5.7	0.2	<0.05	7.4	9.17	27.1	0.02	<1	0.4	11.6	<10	3
93-PMA-0211-2	Till	0.5	0.05	5.1	0.90	<0.1	0.10	0.09	6.8	0.2	<0.05	6.1	10.64	27.3	0.03	1	0.4	13.2	<10	3

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Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

CERTIFICATE OF ANALYSIS VAN22003529.1

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y
	Unit	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3
93-PMA-0216	Till	66.23	13.10	5.33	2.47	2.84	2.86	2.21	0.54	0.17	0.09	0.018	45	1017	43	46	<20	290	137	<30	17
93-PMA-0216-b	Rock Pulp	72.19	11.94	3.74	1.63	3.36	3.52	1.50	0.37	0.12	0.06	0.008	24	455	32	24	<20	395	163	<30	11
93-PMA-0222	Till	61.34	14.22	5.43	2.06	4.59	1.51	2.68	0.70	0.17	0.09	0.013	35	796	83	39	<20	221	283	78	26
93-PMA-0223	Till	60.00	16.05	6.08	2.00	3.55	1.43	3.39	0.75	0.16	0.08	0.013	35	716	87	36	<20	183	319	99	29
93-PMA-0225	Till	63.63	12.15	4.06	1.79	6.21	1.78	2.51	0.59	0.17	0.07	0.008	21	668	56	26	<20	249	320	85	25
93-PMA-0226-1	Till	57.96	19.56	6.31	1.78	1.58	1.45	4.12	0.79	0.14	0.09	0.014	38	798	95	44	<20	146	322	122	27
93-PMA-0226-2	Till	54.85	21.22	6.73	1.84	1.75	1.39	4.90	0.78	0.14	0.08	0.015	39	906	101	49	<20	146	265	124	25
93-PMA-0226-3	Till	59.58	20.33	4.95	1.45	1.06	1.77	4.33	0.63	0.10	0.06	0.010	29	800	75	29	<20	169	301	121	26
93-PMA-0227	Till	62.26	17.10	5.15	1.44	2.32	1.88	3.78	0.64	0.13	0.07	0.011	29	713	77	34	<20	171	301	116	27
93-PMA-0228	Till	63.14	16.40	5.81	1.77	1.54	1.70	3.29	0.72	0.17	0.09	0.012	36	789	80	42	<20	181	305	103	27
93-PMA-0233	Till	65.77	13.92	5.52	1.46	4.09	3.62	2.13	0.96	0.30	0.08	0.014	23	1081	59	21	<20	623	250	55	19
93-PMA-0237	Till	63.92	14.36	6.04	1.86	2.21	2.38	1.74	0.81	0.20	0.10	0.018	44	1037	80	55	<20	334	175	42	23
93-PMA-0238	Till	67.61	11.73	6.25	2.46	2.29	2.30	1.56	0.73	0.21	0.12	0.026	69	1220	89	117	<20	294	155	<30	22
93-PMA-0239	Till	70.46	12.76	3.62	1.39	2.28	3.06	1.83	0.89	0.15	0.05	0.015	14	1045	56	28	<20	367	199	30	16
93-PMA-0240	Till	65.23	14.42	5.50	1.64	2.22	2.68	1.94	0.82	0.25	0.10	0.012	41	1011	85	42	<20	349	162	<30	22
93-PMA-0241	Till	61.68	14.78	6.19	1.92	4.19	3.29	2.03	1.04	0.40	0.09	0.012	30	1224	74	27	<20	622	225	49	20
93-PMA-0242	Till	65.98	14.08	5.46	1.22	3.66	3.59	2.23	0.96	0.32	0.08	0.012	21	1158	56	<20	<20	620	267	56	20
93-PMA-0242-b	Rock Pulp	72.04	11.96	3.92	1.70	3.23	3.53	1.49	0.37	0.12	0.06	0.016	154	451	216	89	49	392	158	54	10
93-PMA-0245	Till	63.49	14.65	6.03	1.83	2.73	2.76	2.01	0.89	0.26	0.11	0.011	37	934	84	40	<20	412	190	49	21
93-PMA-0251-1	Till	64.04	14.32	5.96	1.56	3.06	3.16	2.12	0.92	0.29	0.11	0.012	28	948	76	23	<20	459	207	54	22
93-PMA-0251-2	Till	63.17	14.50	6.28	1.60	2.96	2.92	2.02	0.91	0.28	0.10	0.012	34	907	75	28	<20	436	205	46	24
93-PMA-0252-1	Till	64.15	14.23	5.58	1.45	3.53	3.05	2.21	0.85	0.29	0.11	0.009	31	928	72	21	<20	427	204	47	22
93-PMA-0252-2	Till	64.45	14.13	5.48	1.38	3.52	3.05	2.25	0.85	0.29	0.10	0.011	31	921	68	20	<20	424	208	42	21
93-PMA-0253-1	Till	61.02	15.56	6.62	1.98	2.83	2.76	2.15	0.90	0.28	0.12	0.013	43	910	100	35	<20	383	204	43	23
93-PMA-0253-3	Till	60.72	15.82	6.80	1.95	2.58	2.78	2.22	0.91	0.28	0.17	0.010	45	942	103	35	<20	387	202	59	24
93-PMA-0255	Till	65.88	15.01	4.63	1.00	1.97	3.25	3.15	0.71	0.21	0.10	0.006	23	786	59	<20	<20	328	205	52	19
93-PMA-0256	Till	65.41	14.42	5.49	1.21	2.04	3.17	2.08	0.82	0.22	0.10	0.009	29	844	66	23	<20	354	196	53	22
93-PMA-0282	Till	61.36	13.34	7.51	2.82	3.50	2.45	1.77	0.73	0.24	0.15	0.019	130	954	114	64	22	353	117	33	20
93-PMA-0290-1	Till	63.74	14.04	6.14	2.47	3.72	2.98	2.24	0.69	0.28	0.13	0.012	94	1119	81	39	<20	446	173	49	22
93-PMA-0290-2	Till	63.24	14.22	6.29	2.44	3.56	3.10	2.33	0.69	0.29	0.14	0.013	113	1117	83	41	<20	448	186	48	22

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BUREAU VERITAS MINERAL LABORATORIES Canada

Bureau Veritas Commodities Canada Ltd.

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

CERTIFICATE OF ANALYSIS VAN22003529.1

	Method	LF300	LF300	LF300	LF300	TC000	TC000	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Nb	Sc	LOI	Sum	TOT/C	TOT/S	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
	Unit	ppm	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm
	MDL	5	1	-5.1	0.01	0.02	0.02	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5
93-PMA-0216	Till	13	19	3.9	99.93	0.08	<0.02	0.83	41.03	9.34	34.8	23	33.9	9.7	489	2.71	4.0	1.4	1.4	6.3	39.0
93-PMA-0216-b	Rock Pulp	7	9	1.4	99.95	0.07	<0.02	0.61	22.59	1.79	20.0	24	15.9	5.6	251	1.39	0.5	0.4	0.9	2.6	26.5
93-PMA-0222	Till	12	13	6.9	99.93	0.91	<0.02	0.56	32.41	11.93	70.5	66	34.3	13.8	587	2.98	5.7	0.8	0.9	7.9	68.0
93-PMA-0223	Till	19	14	6.3	99.94	0.67	<0.02	0.40	33.07	14.42	78.5	88	37.5	15.9	486	3.53	7.5	1.2	1.5	8.6	54.9
93-PMA-0225	Till	10	10	6.8	99.94	1.22	<0.02	0.37	18.92	8.22	48.3	43	21.2	8.6	392	2.16	3.9	0.9	0.6	7.1	88.6
93-PMA-0226-1	Till	23	14	6.0	99.93	0.21	<0.02	0.49	33.38	16.32	85.3	73	38.2	16.2	610	3.66	6.8	2.4	0.7	9.6	25.5
93-PMA-0226-2	Till	20	14	6.0	99.93	0.26	<0.02	0.48	36.68	16.26	91.4	47	43.7	16.1	440	3.93	6.2	3.2	0.6	11.4	25.8
93-PMA-0226-3	Till	23	12	5.5	99.94	0.18	<0.02	0.25	25.44	12.51	69.4	5	26.2	10.7	358	2.96	2.2	3.2	0.6	13.3	20.0
93-PMA-0227	Till	13	12	5.0	99.95	0.35	<0.02	0.28	27.30	13.10	71.9	60	31.7	12.8	432	3.04	4.4	1.8	0.5	10.7	31.6
93-PMA-0228	Till	17	14	5.1	99.94	0.21	<0.02	0.48	33.09	12.76	72.1	24	36.7	14.2	540	3.39	5.5	1.1	3.3	9.4	29.6
93-PMA-0233	Till	11	12	1.9	99.95	0.03	<0.02	0.44	11.38	3.52	38.9	17	11.9	6.1	326	2.41	1.5	0.5	0.3	2.5	48.7
93-PMA-0237	Till	7	16	6.1	99.94	0.28	<0.02	0.59	40.88	6.34	67.3	48	48.5	13.4	651	3.43	6.5	0.8	2.3	3.0	52.4
93-PMA-0238	Till	10	14	4.4	99.92	0.17	<0.02	1.53	63.72	8.33	76.0	85	99.3	17.4	765	3.37	25.1	0.5	4.6	2.4	38.8
93-PMA-0239	Till	11	10	3.3	99.95	0.51	<0.02	0.41	10.49	5.04	40.0	42	20.7	5.2	198	1.65	1.9	0.4	0.5	1.5	29.9
93-PMA-0240	Till	10	14	4.9	99.94	0.18	<0.02	0.80	36.78	7.47	77.1	50	39.4	12.0	685	3.17	8.4	0.5	1.4	2.7	55.0
93-PMA-0241	Till	13	13	4.1	99.94	0.04	<0.02	0.49	21.18	4.85	53.9	15	19.5	9.6	462	2.91	2.2	0.6	0.4	3.3	76.4
93-PMA-0242	Till	14	12	2.1	99.94	0.07	<0.02	0.50	14.99	4.32	39.1	15	13.2	6.4	334	2.54	1.7	0.7	1.3	3.1	67.1
93-PMA-0242-b	Rock Pulp	19	9	1.3	99.96	0.06	0.03	12.01	153.78	267.53	211.4	113	77.2	50.3	276	1.60	9.4	0.4	40.6	3.0	32.6
93-PMA-0245	Till	13	15	5.0	99.93	0.14	<0.02	0.57	34.03	8.01	73.6	36	32.6	12.8	707	3.36	7.5	0.5	1.1	3.2	65.7
93-PMA-0251-1	Till	14	14	4.2	99.94	0.10	<0.02	0.55	25.83	7.07	65.9	29	21.9	11.7	736	3.32	5.7	0.7	1.1	3.5	67.4
93-PMA-0251-2	Till	12	15	5.0	99.94	0.19	<0.02	0.44	29.16	7.37	64.9	25	23.3	10.8	621	3.53	5.9	0.8	1.1	3.5	68.2
93-PMA-0252-1	Till	17	13	4.3	99.93	0.25	<0.02	1.99	27.11	6.39	62.1	53	18.8	11.1	762	3.03	6.1	0.7	0.9	4.1	65.0
93-PMA-0252-2	Till	12	12	4.2	99.94	0.24	<0.02	1.56	26.77	6.65	59.9	76	17.7	10.6	680	3.03	6.6	0.7	0.6	4.5	61.8
93-PMA-0253-1	Till	11	16	5.5	99.94	0.30	<0.02	0.80	39.00	8.62	87.0	109	30.3	16.0	825	3.63	8.0	0.6	0.9	3.7	60.8
93-PMA-0253-3	Till	10	17	5.5	99.93	0.20	<0.02	0.82	39.05	9.18	90.1	83	33.5	18.1	1114	3.65	7.7	0.5	2.3	3.3	56.1
93-PMA-0255	Till	15	11	3.9	99.96	0.09	<0.02	0.67	22.22	8.67	53.2	53	14.8	8.6	685	2.55	4.5	1.3	0.9	12.0	51.5
93-PMA-0256	Till	12	13	4.8	99.94	0.19	<0.02	0.69	26.08	10.63	58.2	73	19.6	9.9	701	2.96	6.4	1.6	0.9	9.1	51.6
93-PMA-0282	Till	11	21	5.8	99.91	0.30	<0.02	1.73	124.61	8.00	106.6	222	59.5	24.9	1023	4.14	16.4	0.3	3.9	1.9	76.7
93-PMA-0290-1	Till	6	19	3.3	99.92	0.10	<0.02	1.29	90.54	5.36	72.5	87	35.0	17.0	753	3.18	7.6	0.5	2.4	3.7	36.3
93-PMA-0290-2	Till	14	19	3.4	99.92	0.10	<0.02	1.31	109.33	5.88	75.1	62	37.4	18.4	829	3.28	7.3	0.5	2.4	3.9	37.1

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Client: **Noble Exploration Services Ltd.**
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Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

CERTIFICATE OF ANALYSIS VAN22003529.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg
	Unit	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb
	MDL	0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5
93-PMA-0216	Till	0.08	0.39	0.17	60	0.46	0.068	14.8	65.6	0.57	309.6	0.056	<20	1.26	0.021	0.13	0.4	7.5	0.07	<0.02	141
93-PMA-0216-b	Rock Pulp	0.03	0.06	0.02	21	0.59	0.053	14.3	24.1	0.44	48.1	0.065	<20	0.72	0.077	0.11	<0.1	2.3	0.06	<0.02	12
93-PMA-0222	Till	0.20	0.39	0.26	42	2.62	0.071	21.8	33.9	0.89	161.2	0.073	<20	1.71	0.017	0.31	0.1	4.9	0.22	<0.02	30
93-PMA-0223	Till	0.14	0.28	0.57	38	2.04	0.064	22.8	35.7	0.92	145.7	0.100	<20	1.98	0.016	0.56	0.2	4.6	0.35	<0.02	20
93-PMA-0225	Till	0.13	0.26	0.23	30	3.60	0.071	20.5	22.1	0.77	115.3	0.067	<20	1.19	0.019	0.27	0.1	3.2	0.18	<0.02	14
93-PMA-0226-1	Till	0.11	0.25	0.53	40	0.65	0.058	24.7	38.2	0.80	147.6	0.117	<20	2.01	0.013	0.65	0.1	4.9	0.40	<0.02	16
93-PMA-0226-2	Till	0.05	0.23	0.53	41	0.81	0.051	29.7	46.6	0.83	165.2	0.141	<20	2.28	0.024	0.95	0.1	5.1	0.43	<0.02	8
93-PMA-0226-3	Till	<0.01	0.06	0.39	31	0.23	0.035	31.3	33.4	0.65	135.8	0.134	<20	2.05	0.013	0.73	<0.1	4.5	0.47	<0.02	26
93-PMA-0227	Till	0.07	0.15	0.46	35	1.08	0.053	26.5	33.9	0.66	126.3	0.113	<20	1.77	0.020	0.63	0.1	4.4	0.38	<0.02	11
93-PMA-0228	Till	0.09	0.32	0.47	45	0.46	0.066	24.6	39.7	0.75	168.0	0.094	<20	2.16	0.020	0.45	0.2	5.4	0.29	<0.02	21
93-PMA-0233	Till	0.04	0.17	0.05	77	0.51	0.116	15.8	30.6	0.22	140.2	0.124	<20	0.59	0.043	0.07	<0.1	2.9	0.04	<0.02	9
93-PMA-0237	Till	0.05	0.53	0.11	76	0.50	0.084	19.7	57.7	0.72	238.4	0.106	<20	2.00	0.027	0.13	<0.1	8.2	0.16	<0.02	40
93-PMA-0238	Till	0.28	1.22	0.15	65	0.47	0.084	13.6	69.6	0.89	215.3	0.094	<20	1.31	0.026	0.13	<0.1	6.1	0.20	<0.02	68
93-PMA-0239	Till	0.04	0.17	0.07	44	0.29	0.061	9.7	27.1	0.38	139.2	0.104	<20	1.09	0.015	0.06	<0.1	2.6	0.06	<0.02	11
93-PMA-0240	Till	0.18	0.60	0.12	69	0.60	0.103	14.7	36.2	0.67	197.6	0.084	<20	1.54	0.032	0.11	<0.1	6.8	0.13	<0.02	43
93-PMA-0241	Till	0.08	0.21	0.08	83	0.73	0.149	19.9	34.2	0.51	297.8	0.160	<20	1.19	0.058	0.11	<0.1	5.3	0.12	<0.02	18
93-PMA-0242	Till	0.06	0.18	0.07	75	0.54	0.129	17.9	28.7	0.25	199.1	0.128	<20	0.79	0.035	0.06	<0.1	4.3	0.06	<0.02	<5
93-PMA-0242-b	Rock Pulp	0.48	0.20	0.14	24	0.56	0.054	24.2	31.3	0.47	55.9	0.075	<20	0.79	0.088	0.12	0.1	2.9	0.08	0.04	15
93-PMA-0245	Till	0.11	0.51	0.13	76	0.66	0.108	16.4	36.4	0.70	202.5	0.105	<20	1.59	0.037	0.14	<0.1	6.9	0.13	<0.02	32
93-PMA-0251-1	Till	0.15	0.45	0.11	86	0.75	0.121	18.5	33.3	0.63	186.7	0.119	<20	1.50	0.053	0.14	<0.1	6.8	0.11	<0.02	23
93-PMA-0251-2	Till	0.09	0.46	0.11	86	0.74	0.114	18.7	36.1	0.66	173.4	0.119	<20	1.71	0.040	0.15	<0.1	7.6	0.12	<0.02	34
93-PMA-0252-1	Till	0.19	0.43	0.15	75	1.23	0.118	17.4	28.6	0.58	170.7	0.091	<20	1.29	0.036	0.13	<0.1	5.9	0.09	<0.02	19
93-PMA-0252-2	Till	0.17	0.43	0.18	76	1.22	0.122	17.7	27.7	0.56	169.9	0.089	<20	1.29	0.038	0.13	<0.1	5.8	0.10	<0.02	26
93-PMA-0253-1	Till	0.21	0.56	0.14	84	0.88	0.113	16.2	36.0	0.86	193.0	0.082	<20	1.81	0.031	0.14	<0.1	8.0	0.11	<0.02	36
93-PMA-0253-3	Till	0.24	0.51	0.14	79	0.68	0.107	16.2	36.4	0.80	197.1	0.083	<20	1.78	0.031	0.13	<0.1	8.2	0.11	<0.02	46
93-PMA-0255	Till	0.11	0.33	0.38	58	0.49	0.089	26.9	22.9	0.40	147.0	0.075	<20	1.22	0.033	0.11	<0.1	5.3	0.08	<0.02	15
93-PMA-0256	Till	0.06	0.46	0.21	64	0.48	0.089	23.6	28.7	0.49	179.8	0.081	<20	1.41	0.033	0.08	<0.1	6.9	0.08	<0.02	35
93-PMA-0282	Till	0.57	1.03	0.13	98	1.40	0.100	10.1	55.9	1.10	165.6	0.106	<20	2.14	0.026	0.15	<0.1	9.9	0.11	<0.02	134
93-PMA-0290-1	Till	0.34	0.70	0.11	74	0.66	0.116	13.9	38.0	0.80	70.3	0.117	<20	1.45	0.017	0.11	0.2	5.8	0.10	<0.02	25
93-PMA-0290-2	Till	0.41	0.60	0.12	80	0.63	0.123	14.7	42.5	0.82	70.8	0.123	<20	1.49	0.016	0.12	0.2	6.5	0.10	<0.02	35

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Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

CERTIFICATE OF ANALYSIS VAN22003529.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
93-PMA-0216	Till	0.1	0.03	3.9	0.70	<0.1	0.08	0.04	7.5	0.2	<0.05	3.4	9.93	20.4	<0.02	<1	0.5	6.6	<10	3
93-PMA-0216-b	Rock Pulp	<0.1	<0.02	2.4	0.33	<0.1	0.13	0.20	6.1	0.4	<0.05	4.7	4.81	25.1	<0.02	<1	0.2	6.6	<10	<2
93-PMA-0222	Till	0.2	0.02	5.1	2.00	<0.1	0.12	0.18	26.3	0.4	<0.05	5.2	9.17	43.2	0.02	<1	0.6	26.2	<10	<2
93-PMA-0223	Till	0.1	0.04	6.1	3.39	<0.1	0.07	0.23	47.4	0.6	<0.05	3.3	8.94	44.2	0.02	<1	0.8	41.6	<10	<2
93-PMA-0225	Till	0.2	<0.02	3.7	1.31	<0.1	0.09	0.26	22.3	0.3	<0.05	3.5	7.84	39.5	<0.02	<1	0.4	18.5	<10	<2
93-PMA-0226-1	Till	0.1	0.05	6.9	4.07	<0.1	0.08	0.35	57.2	0.7	<0.05	3.5	9.58	49.3	0.03	<1	1.2	44.1	<10	<2
93-PMA-0226-2	Till	0.2	0.04	8.1	5.47	<0.1	0.03	0.22	68.2	0.9	<0.05	1.3	9.03	56.8	0.03	<1	1.2	53.2	<10	<2
93-PMA-0226-3	Till	<0.1	0.03	7.5	5.57	<0.1	0.04	0.62	70.1	0.8	<0.05	1.6	8.49	60.3	0.02	<1	1.5	31.0	<10	<2
93-PMA-0227	Till	0.2	0.03	6.2	4.24	<0.1	0.06	0.34	54.2	0.8	<0.05	2.5	9.56	51.4	0.02	<1	1.0	34.6	<10	<2
93-PMA-0228	Till	0.2	0.03	6.7	2.64	<0.1	0.08	0.26	41.7	0.6	<0.05	4.3	10.94	48.2	0.03	<1	0.9	34.0	<10	<2
93-PMA-0233	Till	<0.1	<0.02	2.3	0.31	<0.1	0.26	0.26	3.9	0.4	<0.05	13.8	9.25	31.1	<0.02	<1	0.3	3.3	<10	<2
93-PMA-0237	Till	0.4	0.03	5.7	1.33	<0.1	0.25	0.11	11.1	0.5	<0.05	14.4	14.32	38.7	0.03	<1	0.7	10.8	<10	<2
93-PMA-0238	Till	0.5	0.08	4.0	1.05	<0.1	0.20	0.09	8.8	0.3	<0.05	10.2	11.30	26.3	0.03	<1	0.4	8.2	<10	<2
93-PMA-0239	Till	<0.1	<0.02	3.6	0.78	<0.1	0.03	0.43	11.0	0.4	<0.05	2.2	4.78	19.8	<0.02	<1	0.2	9.4	<10	<2
93-PMA-0240	Till	0.2	0.04	4.7	1.40	<0.1	0.23	0.08	8.6	0.4	<0.05	11.6	11.96	29.3	0.03	<1	0.5	10.9	<10	<2
93-PMA-0241	Till	<0.1	<0.02	3.9	0.92	<0.1	0.02	0.14	8.5	0.6	<0.05	5.7	12.12	39.8	0.02	<1	0.6	5.8	<10	<2
93-PMA-0242	Till	<0.1	<0.02	2.7	0.44	<0.1	0.18	0.20	5.3	0.4	<0.05	13.5	11.76	38.1	<0.02	<1	0.4	3.9	<10	<2
93-PMA-0242-b	Rock Pulp	0.2	<0.02	2.6	1.11	<0.1	0.16	0.55	7.2	2.2	<0.05	5.9	5.36	41.3	0.03	<1	0.2	8.7	43	25
93-PMA-0245	Till	0.2	0.04	4.9	1.47	<0.1	0.23	0.09	10.5	0.5	<0.05	13.8	12.18	33.1	0.03	<1	0.6	11.4	<10	<2
93-PMA-0251-1	Till	<0.1	0.03	4.7	1.28	<0.1	0.27	0.10	8.9	0.5	<0.05	13.8	12.97	36.9	0.03	<1	0.5	9.4	<10	<2
93-PMA-0251-2	Till	0.1	0.04	5.4	1.41	<0.1	0.30	0.12	12.1	0.5	<0.05	17.2	15.07	34.4	0.03	<1	0.6	10.4	<10	<2
93-PMA-0252-1	Till	0.1	0.04	4.1	1.77	<0.1	0.14	0.10	8.0	0.5	<0.05	8.2	12.96	35.3	0.02	<1	0.5	8.2	<10	<2
93-PMA-0252-2	Till	<0.1	0.04	4.0	1.87	<0.1	0.14	0.09	8.0	0.4	<0.05	8.3	12.69	34.9	0.02	<1	0.6	8.2	<10	<2
93-PMA-0253-1	Till	0.1	0.05	5.5	1.76	<0.1	0.23	0.09	9.1	0.5	<0.05	12.1	12.81	34.7	0.04	<1	0.6	13.4	<10	<2
93-PMA-0253-3	Till	0.1	0.05	5.4	1.68	<0.1	0.29	0.07	9.3	0.5	<0.05	14.0	13.35	35.4	0.04	<1	0.6	12.9	<10	<2
93-PMA-0255	Till	0.1	0.03	3.8	1.96	<0.1	0.35	0.10	7.8	0.4	<0.05	14.6	12.58	43.4	0.02	<1	0.8	7.6	<10	<2
93-PMA-0256	Till	0.2	0.04	4.2	1.21	<0.1	0.23	0.11	6.0	0.4	<0.05	11.8	14.11	42.0	0.03	<1	0.7	8.9	<10	<2
93-PMA-0282	Till	0.5	0.08	5.9	0.97	<0.1	0.17	0.04	7.1	0.3	<0.05	7.7	11.53	19.6	0.03	<1	0.5	13.7	<10	3
93-PMA-0290-1	Till	0.4	0.05	4.3	0.93	<0.1	0.17	0.07	8.2	0.3	<0.05	6.1	10.43	25.0	0.02	<1	0.4	11.7	<10	<2
93-PMA-0290-2	Till	0.4	0.04	4.5	1.02	<0.1	0.20	0.08	9.2	0.3	<0.05	6.7	10.78	26.4	0.02	<1	0.4	12.0	<10	3

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Bureau Veritas Commodities Canada Ltd.

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PHONE (604) 253-3158

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

CERTIFICATE OF ANALYSIS VAN22003529.1

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y
	Unit	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3
93-PMA-0292	Till	64.78	13.37	5.63	2.43	5.17	3.38	2.36	0.73	0.27	0.09	0.020	38	1088	43	24	<20	557	193	32	20
93-PMA-0294	Till	67.49	12.98	4.77	1.85	3.51	3.36	1.95	0.76	0.27	0.09	0.013	50	1001	45	29	<20	475	134	32	19
93-PMA-0295	Till	60.95	13.98	7.41	2.78	3.83	2.84	2.64	0.77	0.46	0.17	0.012	2380	950	61	34	<20	421	187	50	19

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

CERTIFICATE OF ANALYSIS VAN22003529.1

	Method	LF300	LF300	LF300	LF300	TC000	TC000	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Nb	Sc	LOI	Sum	TOT/C	TOT/S	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
	Unit	ppm	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm
	MDL	5	1	-5.1	0.01	0.02	0.02	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5
93-PMA-0292	Till	12	22	1.5	99.92	0.07	<0.02	0.68	35.14	2.89	29.2	12	14.6	7.0	309	2.34	3.7	0.6	2.1	2.7	36.3
93-PMA-0294	Till	13	15	2.7	99.92	0.06	<0.02	0.64	44.34	3.75	38.5	40	24.5	9.7	466	2.36	6.5	0.4	3.1	1.8	47.1
93-PMA-0295	Till	19	16	3.6	99.90	0.34	<0.02	1.47	2349.52	8.00	41.9	51	28.5	14.8	893	3.45	12.2	1.5	20.7	4.8	31.2

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

CERTIFICATE OF ANALYSIS VAN22003529.1

		Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		Analyte	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg
		Unit	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb
		MDL	0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5
93-PMA-0292	Till		0.12	0.43	0.04	83	0.72	0.110	10.8	35.2	0.36	54.5	0.138	<20	0.94	0.012	0.03	0.1	4.3	0.03	<0.02	41
93-PMA-0294	Till		0.17	0.60	0.07	72	0.80	0.111	9.7	35.0	0.52	86.2	0.125	<20	1.22	0.026	0.07	0.2	5.4	0.05	<0.02	38
93-PMA-0295	Till		0.14	1.25	0.56	106	0.61	0.190	15.0	41.8	0.81	80.5	0.091	<20	1.71	0.012	0.13	0.3	4.6	0.07	<0.02	16

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
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Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

CERTIFICATE OF ANALYSIS VAN22003529.1

		Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		Analyte	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
		MDL	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
93-PMA-0292	Till		0.3	0.02	3.0	0.35	<0.1	0.26	0.22	2.1	0.3	<0.05	10.2	7.89	19.7	<0.02	<1	0.3	4.5	<10	<2
93-PMA-0294	Till		0.2	0.03	3.9	0.56	<0.1	0.23	0.08	3.9	0.3	<0.05	9.1	8.66	18.7	<0.02	<1	0.3	6.9	<10	<2
93-PMA-0295	Till		0.2	0.13	4.8	2.59	<0.1	0.03	0.27	13.6	0.3	<0.05	1.5	9.41	33.1	0.02	<1	0.9	9.7	<10	<2

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

QUALITY CONTROL REPORT VAN22003529.1

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y
	Unit	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3
93-PMA-0034	Till	66.57	12.63	5.59	1.96	2.60	2.58	1.45	0.88	0.23	0.10	0.017	46	783	86	56	<20	243	152	52	25
93-PMA-0089	Till	69.80	12.43	5.05	1.48	1.97	2.83	1.43	0.79	0.19	0.10	0.016	41	752	69	42	<20	260	141	43	22
93-PMA-0163	Till	69.36	10.54	5.59	2.78	3.31	2.08	1.64	0.65	0.21	0.11	0.020	54	965	77	64	<20	215	141	31	19
93-PMA-0237	Till	63.92	14.36	6.04	1.86	2.21	2.38	1.74	0.81	0.20	0.10	0.018	44	1037	80	55	<20	334	175	42	23
Pulp Duplicates																					
93-PMA-0005	Till	69.60	12.11	5.55	1.70	1.48	2.41	1.43	0.82	0.18	0.08	0.019	93	1063	90	65	<20	226	139	49	23
REP 93-PMA-0005	QC	69.55	12.12	5.56	1.72	1.48	2.41	1.45	0.82	0.17	0.08	0.020	93	1077	90	62	<20	226	137	<30	23
93-PMA-0047	Till	64.90	12.13	5.51	2.23	2.67	2.05	1.44	0.73	0.21	0.09	0.015	58	1134	83	49	<20	210	139	<30	25
REP 93-PMA-0047	QC	64.91	12.08	5.44	2.20	2.67	2.14	1.49	0.73	0.21	0.09	0.015	59	1123	89	54	<20	210	137	45	24
93-PMA-0051	Till	66.88	9.82	3.98	2.25	5.89	2.41	1.20	0.64	0.17	0.08	0.014	38	743	60	37	<20	251	141	44	19
REP 93-PMA-0051	QC																				
93-PMA-0068	Till	69.72	11.32	4.90	1.70	3.17	2.44	1.57	0.71	0.18	0.10	0.016	57	934	86	42	<20	220	143	37	22
REP 93-PMA-0068	QC																				
93-PMA-0118-2	Till	63.10	14.41	6.40	2.90	1.94	2.39	1.76	0.80	0.20	0.13	0.027	55	864	102	115	21	220	170	<30	25
REP 93-PMA-0118-2	QC	62.51	14.67	6.57	2.94	1.97	2.40	1.82	0.82	0.20	0.13	0.031	58	882	104	119	23	223	160	<30	24
93-PMA-0126-2	Till	64.03	13.26	6.21	2.97	3.27	2.76	1.54	0.83	0.22	0.10	0.028	51	729	100	103	<20	291	170	<30	24
REP 93-PMA-0126-2	QC																				
93-PMA-0181-4	Till	59.13	12.98	6.80	2.91	5.56	2.18	1.63	0.77	0.24	0.14	0.016	100	1092	137	54	<20	325	134	35	23
REP 93-PMA-0181-4	QC	59.27	12.99	6.70	2.87	5.55	2.20	1.62	0.78	0.24	0.14	0.015	99	1081	136	58	<20	324	136	30	23
93-PMA-0185-1	Till	55.40	15.75	10.12	2.95	2.68	1.97	2.68	0.80	0.40	0.25	0.019	164	896	130	45	31	330	112	<30	23
REP 93-PMA-0185-1	QC																				
93-PMA-0211-1	Till	66.40	12.16	6.40	3.57	1.54	1.86	1.95	0.71	0.18	0.15	0.028	77	1238	113	163	23	122	134	<30	22
REP 93-PMA-0211-1	QC																				
93-PMA-0242	Till	65.98	14.08	5.46	1.22	3.66	3.59	2.23	0.96	0.32	0.08	0.012	21	1158	56	<20	<20	620	267	56	20
REP 93-PMA-0242	QC	65.76	14.19	5.60	1.26	3.68	3.52	2.21	0.96	0.32	0.08	0.013	20	1170	58	21	<20	615	294	67	21
93-PMA-0245	Till	63.49	14.65	6.03	1.83	2.73	2.76	2.01	0.89	0.26	0.11	0.011	37	934	84	40	<20	412	190	49	21
REP 93-PMA-0245	QC																				
Reference Materials																					
STD DS11	Standard																				

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Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

QUALITY CONTROL REPORT VAN22003529.1

	Method	LF300	LF300	LF300	LF300	TC000	TC000	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Nb	Sc	LOI	Sum	TOT/C	TOT/S	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
	Unit	ppm	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm
	MDL	5	1	-5.1	0.01	0.02	0.02	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5
93-PMA-0034	Till	7	15	5.2	99.93	0.42	<0.02	0.74	37.81	7.37	71.3	45	44.1	12.7	673	3.02	8.2	0.4	1.5	2.1	40.0
93-PMA-0089	Till	11	14	3.7	99.96	0.20	<0.02	0.60	33.12	6.50	60.2	23	34.8	10.4	640	2.75	5.8	0.4	3.7	2.0	43.2
93-PMA-0163	Till	6	17	3.5	99.93	0.25	<0.02	1.19	45.95	8.71	63.3	99	55.3	13.4	716	2.84	8.2	0.3	3.4	2.8	37.0
93-PMA-0237	Till	7	16	6.1	99.94	0.28	<0.02	0.59	40.88	6.34	67.3	48	48.5	13.4	651	3.43	6.5	0.8	2.3	3.0	52.4
Pulp Duplicates																					
93-PMA-0005	Till	9	14	4.4	99.94	0.34	<0.02	2.55	83.49	8.32	84.8	135	51.6	12.3	510	3.13	8.8	0.7	3.1	2.3	41.1
REP 93-PMA-0005	QC	14	14	4.4	99.93																
93-PMA-0047	Till	10	16	7.8	99.93	1.59	0.03	1.29	51.53	6.12	73.1	131	44.6	12.1	577	3.06	6.9	0.5	2.2	1.7	35.1
REP 93-PMA-0047	QC	7	16	7.8	99.92	1.59	0.03														
93-PMA-0051	Till	7	12	6.5	99.94	1.28	<0.02	0.64	27.99	4.06	48.8	26	31.4	9.0	492	1.98	4.8	0.4	26.8	1.6	48.2
REP 93-PMA-0051	QC							0.68	29.84	4.29	49.8	25	31.3	9.5	509	2.06	5.2	0.4	1.4	1.7	51.4
93-PMA-0068	Till	12	13	4.0	99.94	0.50	<0.02	2.08	51.25	9.33	81.3	54	38.0	13.3	725	2.85	8.1	0.6	2.8	3.3	53.1
REP 93-PMA-0068	QC							2.05	49.01	9.03	79.7	60	37.1	12.8	704	2.74	8.0	0.6	1.2	3.3	51.1
93-PMA-0118-2	Till	9	18	5.7	99.92	0.33	<0.02	1.22	47.30	7.19	87.7	159	96.8	16.1	826	3.50	7.0	0.6	1.7	3.3	41.1
REP 93-PMA-0118-2	QC	6	19	5.7	99.91	0.34	<0.02														
93-PMA-0126-2	Till	9	18	4.5	99.91	0.47	<0.02	1.52	46.25	6.50	85.4	151	84.1	14.3	648	3.41	9.0	0.4	1.1	2.0	55.8
REP 93-PMA-0126-2	QC							1.50	46.47	6.35	85.6	144	81.8	14.2	639	3.34	9.0	0.4	1.0	1.9	56.2
93-PMA-0181-4	Till	<5	21	7.3	99.88	1.07	0.05	4.34	84.71	7.14	117.5	489	48.4	17.5	907	3.72	18.5	0.6	2.9	1.9	106.5
REP 93-PMA-0181-4	QC	12	20	7.3	99.89	1.08	0.06														
93-PMA-0185-1	Till	5	32	6.7	99.88	0.49	<0.02	1.08	148.17	12.58	106.6	138	40.9	29.5	1781	5.24	17.6	1.1	12.6	1.3	47.8
REP 93-PMA-0185-1	QC							1.13	149.56	12.79	108.9	138	41.5	30.1	1802	5.34	17.7	1.1	18.9	1.4	48.1
93-PMA-0211-1	Till	11	18	4.8	99.91	0.24	<0.02	2.54	71.21	9.75	102.9	120	146.3	24.5	1052	3.72	17.3	0.5	3.3	3.5	29.2
REP 93-PMA-0211-1	QC							2.65	77.40	9.89	101.6	133	147.7	25.6	1062	3.76	18.1	0.5	3.7	3.6	30.3
93-PMA-0242	Till	14	12	2.1	99.94	0.07	<0.02	0.50	14.99	4.32	39.1	15	13.2	6.4	334	2.54	1.7	0.7	1.3	3.1	67.1
REP 93-PMA-0242	QC	9	12	2.1	99.94	0.07	<0.02														
93-PMA-0245	Till	13	15	5.0	99.93	0.14	<0.02	0.57	34.03	8.01	73.6	36	32.6	12.8	707	3.36	7.5	0.5	1.1	3.2	65.7
REP 93-PMA-0245	QC							0.59	33.27	7.91	72.9	38	32.4	12.7	718	3.35	7.5	0.5	1.6	3.1	66.3
Reference Materials																					
STD DS11	Standard							11.52	140.31	130.92	332.7	1653	77.9	13.3	1002	3.01	41.4	2.0	55.4	6.6	59.3

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PHONE (604) 253-3158

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

QUALITY CONTROL REPORT VAN22003529.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg
	Unit	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb
	MDL	0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5
93-PMA-0034	Till	0.22	0.44	0.10	59	1.06	0.088	11.9	41.6	0.70	142.2	0.075	<20	1.36	0.015	0.07	<0.1	6.5	0.09	<0.02	50
93-PMA-0089	Till	0.18	0.36	0.07	59	0.57	0.073	10.7	34.7	0.54	131.2	0.089	<20	1.24	0.021	0.06	<0.1	6.4	0.09	<0.02	33
93-PMA-0163	Till	0.24	0.65	0.13	51	1.00	0.077	9.8	59.3	0.82	192.3	0.063	<20	1.01	0.009	0.10	0.1	4.5	0.08	<0.02	109
93-PMA-0237	Till	0.05	0.53	0.11	76	0.50	0.084	19.7	57.7	0.72	238.4	0.106	<20	2.00	0.027	0.13	<0.1	8.2	0.16	<0.02	40
Pulp Duplicates																					
93-PMA-0005	Till	0.18	0.50	0.14	50	0.43	0.070	12.3	39.8	0.61	190.5	0.074	<20	1.27	0.010	0.07	<0.1	5.6	0.11	<0.02	71
REP 93-PMA-0005	QC																				
93-PMA-0047	Till	0.20	0.56	0.10	59	1.14	0.079	10.7	43.1	0.91	415.1	0.064	<20	1.62	0.011	0.08	<0.1	7.1	0.10	<0.02	125
REP 93-PMA-0047	QC																				
93-PMA-0051	Till	0.29	0.40	0.06	45	2.91	0.066	8.7	28.7	0.92	167.5	0.070	<20	0.90	0.016	0.06	<0.1	4.1	0.08	<0.02	50
REP 93-PMA-0051	QC	0.32	0.41	0.06	46	3.20	0.070	9.5	30.4	0.95	177.2	0.078	<20	0.93	0.017	0.06	<0.1	4.4	0.08	<0.02	58
93-PMA-0068	Till	0.47	0.64	0.16	51	1.48	0.079	14.3	32.1	0.65	177.3	0.076	<20	1.18	0.022	0.09	<0.1	5.8	0.15	<0.02	59
REP 93-PMA-0068	QC	0.51	0.64	0.16	50	1.42	0.076	13.8	31.7	0.63	170.2	0.072	<20	1.14	0.020	0.09	<0.1	5.6	0.14	<0.02	51
93-PMA-0118-2	Till	0.17	0.45	0.17	76	0.56	0.075	12.0	78.2	1.13	220.4	0.097	<20	2.00	0.028	0.17	<0.1	9.4	0.17	<0.02	41
REP 93-PMA-0118-2	QC																				
93-PMA-0126-2	Till	0.37	0.50	0.11	61	1.24	0.090	10.6	83.1	1.14	141.3	0.118	<20	1.68	0.018	0.14	<0.1	6.5	0.11	<0.02	35
REP 93-PMA-0126-2	QC	0.37	0.52	0.11	61	1.23	0.089	10.5	83.1	1.13	138.8	0.117	<20	1.68	0.018	0.14	<0.1	6.4	0.11	<0.02	40
93-PMA-0181-4	Till	1.02	0.98	0.10	77	2.87	0.086	7.8	42.5	1.16	134.5	0.107	<20	1.65	0.014	0.13	0.1	7.5	0.10	0.06	47
REP 93-PMA-0181-4	QC																				
93-PMA-0185-1	Till	0.43	1.01	0.06	110	0.76	0.158	10.1	59.7	1.27	274.4	0.045	<20	1.90	0.007	0.11	0.2	17.0	0.10	<0.02	41
REP 93-PMA-0185-1	QC	0.39	0.98	0.06	112	0.77	0.160	10.3	60.3	1.29	275.1	0.048	<20	1.93	0.007	0.11	0.2	17.2	0.10	<0.02	41
93-PMA-0211-1	Till	0.48	1.76	0.18	54	0.59	0.071	13.3	104.5	1.48	174.8	0.070	<20	1.50	0.008	0.12	<0.1	6.5	0.13	<0.02	341
REP 93-PMA-0211-1	QC	0.54	1.78	0.19	54	0.60	0.075	13.9	110.1	1.50	179.1	0.072	<20	1.51	0.009	0.12	<0.1	6.7	0.14	<0.02	158
93-PMA-0242	Till	0.06	0.18	0.07	75	0.54	0.129	17.9	28.7	0.25	199.1	0.128	<20	0.79	0.035	0.06	<0.1	4.3	0.06	<0.02	<5
REP 93-PMA-0242	QC																				
93-PMA-0245	Till	0.11	0.51	0.13	76	0.66	0.108	16.4	36.4	0.70	202.5	0.105	<20	1.59	0.037	0.14	<0.1	6.9	0.13	<0.02	32
REP 93-PMA-0245	QC	0.11	0.53	0.13	76	0.66	0.106	16.3	36.4	0.70	201.2	0.106	<20	1.57	0.038	0.15	<0.1	6.8	0.13	<0.02	40
Reference Materials																					
STD DS11	Standard	2.13	6.66	11.08	47	1.00	0.068	14.9	56.3	0.80	397.2	0.084	<20	1.03	0.068	0.38	2.4	2.7	4.41	0.27	262

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PHONE (604) 253-3158

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

QUALITY CONTROL REPORT VAN22003529.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
93-PMA-0034	Till	0.1	0.03	3.9	0.76	<0.1	0.12	0.07	4.0	0.3	<0.05	5.8	10.98	23.8	0.02	<1	0.4	10.3	<10	<2
93-PMA-0089	Till	0.2	0.03	3.8	0.69	<0.1	0.18	0.09	3.8	0.3	<0.05	6.7	10.21	21.5	0.02	<1	0.4	8.8	<10	<2
93-PMA-0163	Till	0.3	0.04	3.5	0.76	<0.1	0.17	0.06	5.5	0.2	<0.05	6.7	7.47	20.3	<0.02	<1	0.3	8.0	<10	<2
93-PMA-0237	Till	0.4	0.03	5.7	1.33	<0.1	0.25	0.11	11.1	0.5	<0.05	14.4	14.32	38.7	0.03	<1	0.7	10.8	<10	<2
Pulp Duplicates																				
93-PMA-0005	Till	0.3	0.07	3.7	0.62	<0.1	0.09	0.14	4.0	0.3	<0.05	5.1	10.50	25.0	0.02	1	0.4	8.7	<10	<2
REP 93-PMA-0005	QC																			
93-PMA-0047	Till	0.3	0.03	4.5	0.57	<0.1	0.07	0.31	4.6	0.3	<0.05	3.0	12.41	19.6	0.02	<1	0.5	11.0	<10	<2
REP 93-PMA-0047	QC																			
93-PMA-0051	Till	0.2	0.03	2.6	0.45	<0.1	0.14	0.07	3.1	0.2	<0.05	5.7	7.62	17.3	<0.02	<1	0.2	6.0	<10	<2
REP 93-PMA-0051	QC	0.2	0.03	2.8	0.49	<0.1	0.17	0.09	3.4	0.2	<0.05	6.7	8.26	18.8	<0.02	<1	0.2	6.3	<10	<2
93-PMA-0068	Till	0.3	0.05	3.6	0.75	<0.1	0.20	0.07	4.7	0.3	<0.05	6.9	9.79	28.2	0.02	<1	0.2	10.7	<10	2
REP 93-PMA-0068	QC	0.4	0.06	3.5	0.73	<0.1	0.18	0.06	4.6	0.2	<0.05	6.8	9.58	27.8	0.03	<1	0.4	9.7	<10	<2
93-PMA-0118-2	Till	0.4	0.04	5.9	1.59	<0.1	0.16	0.07	11.1	0.6	<0.05	6.4	12.20	23.6	0.04	<1	0.6	16.8	<10	<2
REP 93-PMA-0118-2	QC																			
93-PMA-0126-2	Till	0.7	0.04	4.7	0.86	<0.1	0.18	0.11	7.0	0.4	<0.05	6.9	10.68	22.1	0.02	<1	0.4	12.0	<10	<2
REP 93-PMA-0126-2	QC	0.5	0.05	4.7	0.87	<0.1	0.16	0.11	7.0	0.4	<0.05	6.7	10.72	22.0	0.02	<1	0.4	11.9	<10	<2
93-PMA-0181-4	Till	2.3	0.06	5.2	0.69	<0.1	0.22	0.09	5.1	0.2	<0.05	9.8	8.53	16.1	0.02	2	0.3	13.9	<10	2
REP 93-PMA-0181-4	QC																			
93-PMA-0185-1	Till	0.5	0.05	5.6	2.40	<0.1	0.04	0.10	7.3	0.2	<0.05	1.8	14.96	20.7	0.02	<1	0.9	12.2	<10	3
REP 93-PMA-0185-1	QC	0.4	0.05	5.7	2.44	<0.1	0.04	0.10	7.5	0.2	<0.05	1.9	15.18	20.9	0.03	<1	0.9	12.4	<10	3
93-PMA-0211-1	Till	0.3	0.06	4.7	0.73	<0.1	0.17	0.06	5.7	0.2	<0.05	7.4	9.17	27.1	0.02	<1	0.4	11.6	<10	3
REP 93-PMA-0211-1	QC	0.4	0.06	4.8	0.76	<0.1	0.18	0.04	6.1	0.2	<0.05	7.8	9.65	28.5	0.03	2	0.5	12.9	<10	3
93-PMA-0242	Till	<0.1	<0.02	2.7	0.44	<0.1	0.18	0.20	5.3	0.4	<0.05	13.5	11.76	38.1	<0.02	<1	0.4	3.9	<10	<2
REP 93-PMA-0242	QC																			
93-PMA-0245	Till	0.2	0.04	4.9	1.47	<0.1	0.23	0.09	10.5	0.5	<0.05	13.8	12.18	33.1	0.03	<1	0.6	11.4	<10	<2
REP 93-PMA-0245	QC	<0.1	0.04	4.8	1.49	<0.1	0.24	0.08	10.7	0.5	<0.05	14.7	12.28	33.5	0.03	<1	0.6	11.4	<10	<2
Reference Materials																				
STD DS11	Standard	2.2	4.58	4.4	2.53	<0.1	0.05	1.05	32.1	1.5	<0.05	2.4	7.20	31.5	0.21	45	0.7	23.7	90	159

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

QUALITY CONTROL REPORT VAN22003529.1

		LF300 SiO2 % 0.01	LF300 Al2O3 % 0.01	LF300 Fe2O3 % 0.04	LF300 MgO % 0.01	LF300 CaO % 0.01	LF300 Na2O % 0.01	LF300 K2O % 0.01	LF300 TiO2 % 0.01	LF300 P2O5 % 0.01	LF300 MnO % 0.01	LF300 Cr2O3 % 0.002	LF300 Cu ppm 5	LF300 Ba ppm 5	LF300 Zn ppm 5	LF300 Ni ppm 20	LF300 Co ppm 20	LF300 Sr ppm 2	LF300 Zr ppm 5	LF300 Ce ppm 30	LF300 Y ppm 3
STD DS11	Standard																				
STD DS11	Standard																				
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STD DS11	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD OREAS262	Standard																				
STD OREAS262	Standard																				
STD OREAS262	Standard																				
STD OREAS262	Standard																				
STD OREAS279	Standard																				
STD OREAS279	Standard																				
STD OREAS262	Standard																				
STD OREAS279	Standard																				
STD OREAS262	Standard																				
STD SO-19	Standard	60.89	13.73	7.47	2.90	5.87	3.97	1.27	0.69	0.32	0.13	0.495	73	474	80	468	<20	311	130	152	35
STD SO-19	Standard	60.54	13.96	7.45	2.91	5.92	4.01	1.28	0.70	0.32	0.13	0.503	72	476	82	480	<20	316	145	150	35
STD SO-19	Standard	60.34	14.07	7.48	2.91	6.00	4.00	1.28	0.70	0.32	0.13	0.487	65	474	83	463	<20	317	123	169	35
STD SO-19	Standard	60.76	13.91	7.37	2.88	5.94	3.99	1.26	0.70	0.32	0.13	0.485	65	464	84	464	<20	312	121	144	35
STD SO-19	Standard	60.92	13.81	7.33	2.87	5.92	3.98	1.29	0.69	0.31	0.13	0.495	64	461	77	467	20	310	114	148	34
STD SO-19	Standard	60.47	13.91	7.47	2.88	5.97	4.08	1.30	0.70	0.33	0.13	0.496	66	467	81	468	24	313	114	155	34
STD SO-19	Standard	60.71	13.93	7.31	2.89	5.91	4.00	1.32	0.70	0.31	0.13	0.502	67	462	78	454	24	314	113	164	34
STD SO-19	Standard	60.62	13.84	7.47	2.88	5.97	3.99	1.35	0.70	0.32	0.13	0.497	68	468	79	471	23	312	109	153	35

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Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

QUALITY CONTROL REPORT VAN22003529.1

		LF300 Nb ppm 5	LF300 Sc ppm 1	LF300 LOI % -5.1	LF300 Sum % 0.01	TC000 TOT/C % 0.02	TC000 TOT/S % 0.02	AQ250 Mo ppm 0.01	AQ250 Cu ppm 0.01	AQ250 Pb ppm 0.01	AQ250 Zn ppm 0.1	AQ250 Ag ppb 2	AQ250 Ni ppm 0.1	AQ250 Co ppm 0.1	AQ250 Mn ppm 1	AQ250 Fe % 0.01	AQ250 As ppm 0.1	AQ250 U ppm 0.1	AQ250 Au ppb 0.2	AQ250 Th ppm 0.1	AQ250 Sr ppm 0.5
STD DS11	Standard							12.67	142.89	124.47	331.6	1775	79.2	13.5	1003	2.99	43.0	2.1	67.5	6.4	60.0
STD DS11	Standard							13.48	148.17	132.02	341.8	1693	78.8	13.6	1054	3.08	42.3	2.3	60.2	6.9	65.0
STD DS11	Standard							14.29	146.33	128.27	339.4	1764	79.8	13.2	1027	3.11	45.0	2.6	60.3	7.1	66.9
STD DS11	Standard							13.82	151.08	142.39	350.8	1658	82.6	14.4	1022	3.09	46.3	2.8	43.0	8.4	64.4
STD DS11	Standard							14.20	146.41	148.34	359.9	2028	81.9	14.3	1086	3.31	47.2	2.7	61.1	9.5	75.9
STD GS311-1	Standard					1.00	2.15														
STD GS311-1	Standard					0.95	2.36														
STD GS311-1	Standard					1.06	2.23														
STD GS311-1	Standard					1.03	2.26														
STD GS910-4	Standard					2.60	8.41														
STD GS910-4	Standard					2.55	8.04														
STD GS910-4	Standard					2.79	8.52														
STD OREAS262	Standard							0.58	110.12	51.11	146.9	424	60.8	26.3	523	3.15	35.4	1.0	60.6	7.9	33.5
STD OREAS262	Standard							0.62	118.05	53.14	156.6	450	63.6	28.1	550	3.26	35.6	1.1	69.7	8.4	34.5
STD OREAS262	Standard							0.62	114.50	52.08	149.6	457	61.4	28.2	548	3.18	34.2	1.0	66.5	8.2	33.4
STD OREAS262	Standard							0.60	110.39	51.39	148.9	487	64.3	26.0	546	3.23	37.0	1.0	60.7	8.2	34.3
STD OREAS279	Standard					1.13	1.19														
STD OREAS279	Standard					1.12	1.27														
STD OREAS262	Standard							0.73	119.51	62.23	154.7	493	70.1	28.3	558	3.43	37.9	1.3	66.3	9.8	36.5
STD OREAS279	Standard					1.21	1.22														
STD OREAS262	Standard							0.68	118.94	62.96	163.5	502	66.8	28.2	587	3.59	39.0	1.4	66.8	11.1	41.2
STD SO-19	Standard	69	27	1.9	99.89																
STD SO-19	Standard	66	27	1.9	99.89																
STD SO-19	Standard	73	27	1.9	99.88																
STD SO-19	Standard	75	26	1.9	99.89																
STD SO-19	Standard	77	26	1.9	99.90																
STD SO-19	Standard	76	26	1.9	99.89																
STD SO-19	Standard	75	27	1.9	99.87																
STD SO-19	Standard	78	27	1.9	99.90																

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BUREAU VERITAS
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Canada

www.bvna.com/mining-laboratory-services

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

QUALITY CONTROL REPORT VAN22003529.1

		AQ250 Cd ppm 0.01	AQ250 Sb ppm 0.02	AQ250 Bi ppm 0.02	AQ250 V ppm 1	AQ250 Ca % 0.01	AQ250 P % 0.001	AQ250 La ppm 0.5	AQ250 Cr ppm 0.5	AQ250 Mg % 0.01	AQ250 Ba ppm 0.5	AQ250 Ti % 0.001	AQ250 B ppm 20	AQ250 Al % 0.01	AQ250 Na % 0.001	AQ250 K % 0.01	AQ250 W ppm 0.1	AQ250 Sc ppm 0.1	AQ250 Tl ppm 0.02	AQ250 S % 0.02	AQ250 Hg ppb 5
STD DS11	Standard	2.19	6.73	10.29	46	1.02	0.068	15.0	56.6	0.81	376.1	0.086	<20	1.07	0.070	0.38	2.3	2.8	4.32	0.28	233
STD DS11	Standard	2.29	7.45	10.59	50	1.08	0.072	17.8	58.0	0.86	362.1	0.092	<20	1.18	0.076	0.41	2.5	3.1	4.80	0.28	235
STD DS11	Standard	2.15	5.92	9.97	49	1.06	0.064	17.0	56.8	0.84	363.1	0.089	<20	1.14	0.075	0.40	2.5	3.1	5.18	0.28	252
STD DS11	Standard	2.52	7.96	11.54	49	1.04	0.069	18.0	58.9	0.83	353.5	0.095	<20	1.10	0.074	0.39	2.9	3.0	4.81	0.29	250
STD DS11	Standard	2.49	8.33	13.38	54	1.11	0.073	19.3	61.4	0.87	389.1	0.101	24	1.15	0.078	0.41	2.6	3.4	5.11	0.30	259
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD OREAS262	Standard	0.60	3.37	0.89	20	2.90	0.038	13.1	38.5	1.13	230.0	0.003	<20	1.09	0.066	0.28	0.1	2.8	0.40	0.26	156
STD OREAS262	Standard	0.64	4.18	0.89	22	3.09	0.039	16.9	43.3	1.20	240.9	0.003	<20	1.29	0.071	0.32	0.1	3.1	0.46	0.26	149
STD OREAS262	Standard	0.61	4.16	0.87	21	3.08	0.037	14.8	40.2	1.16	232.5	0.003	<20	1.16	0.069	0.30	0.1	2.9	0.44	0.26	165
STD OREAS262	Standard	0.59	3.04	0.90	22	3.10	0.036	16.0	40.6	1.15	242.8	0.003	<20	1.22	0.069	0.31	0.1	3.1	0.48	0.27	182
STD OREAS279	Standard																				
STD OREAS279	Standard																				
STD OREAS262	Standard	0.72	4.50	1.09	22	2.98	0.040	17.4	44.6	1.21	259.5	0.004	<20	1.28	0.071	0.31	0.2	3.4	0.47	0.27	164
STD OREAS279	Standard																				
STD OREAS262	Standard	0.69	3.98	1.21	23	3.26	0.041	16.3	43.6	1.27	262.0	0.003	<20	1.25	0.072	0.30	0.1	3.5	0.48	0.28	171
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
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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: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

QUALITY CONTROL REPORT VAN22003529.1

		AQ250 Se ppm 0.1	AQ250 Te ppm 0.02	AQ250 Ga ppm 0.1	AQ250 Cs ppm 0.02	AQ250 Ge ppm 0.1	AQ250 Hf ppm 0.02	AQ250 Nb ppm 0.02	AQ250 Rb ppm 0.1	AQ250 Sn ppm 0.1	AQ250 Ta ppm 0.05	AQ250 Zr ppm 0.1	AQ250 Y ppm 0.01	AQ250 Ce ppm 0.1	AQ250 In ppm 0.02	AQ250 Re ppb 1	AQ250 Be ppm 0.1	AQ250 Li ppm 0.1	AQ250 Pd ppb 10	AQ250 Pt ppb 2
STD DS11	Standard	2.3	4.66	4.5	2.51	<0.1	0.05	1.15	32.3	1.6	<0.05	2.6	7.19	30.8	0.22	41	0.6	20.8	94	152
STD DS11	Standard	2.6	4.81	4.8	2.80	<0.1	0.05	1.11	34.2	1.6	<0.05	2.7	8.04	35.8	0.23	45	0.7	22.7	100	165
STD DS11	Standard	2.3	4.81	5.1	2.89	<0.1	0.07	1.33	33.4	1.6	<0.05	3.1	7.88	36.7	0.23	46	0.7	21.4	113	169
STD DS11	Standard	2.1	4.54	5.0	2.91	<0.1	0.08	1.24	34.1	1.7	<0.05	3.1	7.58	34.7	0.22	49	0.6	22.2	98	179
STD DS11	Standard	2.4	4.68	5.1	2.96	<0.1	0.06	1.21	36.1	1.6	<0.05	3.0	8.22	38.5	0.26	47	0.7	25.0	103	186
STD GS311-1	Standard																			
STD GS311-1	Standard																			
STD GS311-1	Standard																			
STD GS311-1	Standard																			
STD GS910-4	Standard																			
STD GS910-4	Standard																			
STD GS910-4	Standard																			
STD OREAS262	Standard	0.5	0.24	3.2	2.31	<0.1	0.17	<0.02	16.2	0.5	<0.05	8.6	10.07	26.7	0.03	<1	1.0	15.6	<10	<2
STD OREAS262	Standard	0.7	0.23	3.8	2.73	<0.1	0.18	<0.02	20.1	0.5	<0.05	9.0	10.61	33.8	0.03	<1	1.1	17.1	<10	<2
STD OREAS262	Standard	0.5	0.21	3.5	2.58	<0.1	0.19	<0.02	18.3	0.5	<0.05	9.1	10.11	29.8	0.03	1	1.1	16.6	<10	<2
STD OREAS262	Standard	0.7	0.24	4.0	2.55	<0.1	0.24	<0.02	17.8	0.5	<0.05	10.8	10.75	34.4	0.03	1	1.1	15.8	<10	<2
STD OREAS279	Standard																			
STD OREAS279	Standard																			
STD OREAS262	Standard	0.6	0.22	3.7	2.62	<0.1	0.24	<0.02	19.0	0.5	<0.05	10.1	10.58	32.8	0.04	2	1.2	17.1	<10	<2
STD OREAS279	Standard																			
STD OREAS262	Standard	0.6	0.23	4.2	2.65	<0.1	0.22	<0.02	18.7	0.4	<0.05	8.1	11.11	33.0	0.04	1	1.2	19.8	<10	3
STD SO-19	Standard																			
STD SO-19	Standard																			
STD SO-19	Standard																			
STD SO-19	Standard																			
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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

QUALITY CONTROL REPORT VAN22003529.1

		LF300 SiO2 % 0.01	LF300 Al2O3 % 0.01	LF300 Fe2O3 % 0.04	LF300 MgO % 0.01	LF300 CaO % 0.01	LF300 Na2O % 0.01	LF300 K2O % 0.01	LF300 TiO2 % 0.01	LF300 P2O5 % 0.01	LF300 MnO % 0.01	LF300 Cr2O3 % 0.002	LF300 Cu ppm 5	LF300 Ba ppm 5	LF300 Zn ppm 5	LF300 Ni ppm 20	LF300 Co ppm 20	LF300 Sr ppm 2	LF300 Zr ppm 5	LF300 Ce ppm 30	LF300 Y ppm 3
STD SO-19	Standard	60.76	13.92	7.31	2.86	5.88	4.07	1.30	0.70	0.32	0.13	0.496	64	464	78	468	23	313	108	141	34
STD SO-19	Standard	60.63	13.94	7.31	2.88	5.94	4.07	1.33	0.70	0.32	0.13	0.501	68	463	78	474	24	312	111	141	33
STD SO-19	Standard	60.76	13.83	7.36	2.83	5.98	4.05	1.32	0.70	0.32	0.13	0.488	63	466	76	455	26	312	112	163	34
STD SO-19	Standard	60.43	13.98	7.47	2.89	6.01	4.02	1.28	0.71	0.33	0.13	0.495	66	471	79	470	24	317	113	154	35
STD GS910-4 Expected																					
STD OREAS279 Expected																					
STD GS311-1 Expected																					
STD SO-19 Expected		61.13	13.95	7.47	2.88	6	4.11	1.29	0.69	0.32	0.13	0.5	69	486	75	470	24	317.1	112	161	35.5
STD DS11 Expected																					
STD OREAS262 Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	0.03	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<5	<5	<5	<20	<20	<2	10	<30	<3
BLK	Blank	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<5	<5	<5	<20	<20	<2	<5	<30	<3
BLK	Blank	0.02	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<5	<5	<5	<20	<20	<2	<5	<30	<3
BLK	Blank	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<5	<5	<5	<20	<20	<2	<5	<30	<3
BLK	Blank	0.05	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<5	<5	<5	<20	<20	<2	<5	<30	<3
BLK	Blank	0.02	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<5	<5	<5	<20	<20	<2	<5	<30	<3
BLK	Blank																				

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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: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

QUALITY CONTROL REPORT VAN22003529.1

		LF300 Nb ppm 5	LF300 Sc ppm 1	LF300 LOI % -5.1	LF300 Sum % 0.01	TC000 TOT/C % 0.02	TC000 TOT/S % 0.02	AQ250 Mo ppm 0.01	AQ250 Cu ppm 0.01	AQ250 Pb ppm 0.01	AQ250 Zn ppm 0.1	AQ250 Ag ppb 2	AQ250 Ni ppm 0.1	AQ250 Co ppm 0.1	AQ250 Mn ppm 1	AQ250 Fe % 0.01	AQ250 As ppm 0.1	AQ250 U ppm 0.1	AQ250 Au ppb 0.2	AQ250 Th ppm 0.1	AQ250 Sr ppm 0.5
STD SO-19	Standard	72	26	1.9	99.89																
STD SO-19	Standard	74	27	1.9	99.89																
STD SO-19	Standard	74	26	1.9	99.91																
STD SO-19	Standard	68	27	1.9	99.90																
STD GS910-4 Expected						2.65	8.27														
STD OREAS279 Expected						1.13	1.27														
STD GS311-1 Expected						1.02	2.35														
STD SO-19 Expected		68.5	27																		
STD DS11 Expected								13.9	149	138	345	1710	77.7	14.2	1055	3.1	42.8	2.59	79	7.65	67.3
STD OREAS262 Expected								0.68	118	56	154	450	62	26.9	530	3.284	35.8	1.22	65	9.33	36
BLK	Blank							<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5
BLK	Blank							<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5
BLK	Blank							<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	0.2	<0.1	<0.2	<0.1	<0.5
BLK	Blank							<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5
BLK	Blank							<0.01	<0.01	<0.01	<0.1	<2	0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5
BLK	Blank					<0.02	<0.02														
BLK	Blank					<0.02	<0.02														
BLK	Blank					<0.02	<0.02														
BLK	Blank							<0.01	<0.01	0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5
BLK	Blank					<0.02	<0.02														
BLK	Blank					<0.02	<0.02														
BLK	Blank	<5	<1	0.0	0.06																
BLK	Blank	<5	<1	0.0	<0.01																
BLK	Blank	<5	<1	0.0	<0.01																
BLK	Blank	<5	<1	0.0	<0.01																
BLK	Blank	<5	<1	0.0	0.03																
BLK	Blank	<5	<1	0.0	<0.01																
BLK	Blank							<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

QUALITY CONTROL REPORT VAN22003529.1

		AQ250 Cd ppm 0.01	AQ250 Sb ppm 0.02	AQ250 Bi ppm 0.02	AQ250 V ppm 1	AQ250 Ca % 0.01	AQ250 P % 0.001	AQ250 La ppm 0.5	AQ250 Cr ppm 0.5	AQ250 Mg % 0.01	AQ250 Ba ppm 0.5	AQ250 Ti % 0.001	AQ250 B ppm 20	AQ250 Al % 0.01	AQ250 Na % 0.001	AQ250 K % 0.01	AQ250 W ppm 0.1	AQ250 Sc ppm 0.1	AQ250 Tl ppm 0.02	AQ250 S % 0.02	AQ250 Hg ppb 5
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD GS910-4 Expected																					
STD OREAS279 Expected																					
STD GS311-1 Expected																					
STD SO-19 Expected																					
STD DS11 Expected		2.37	7.2	12.2	50	1.063	0.0701	18.6	61.5	0.85	417	0.0976		1.129	0.0694	0.4	2.9	3.1	4.9	0.2835	260
STD OREAS262 Expected		0.61	3.39	1.03	22.5	2.98	0.04	15.9	41.7	1.17	248	0.003		1.3	0.071	0.312	0.13	3.24	0.47	0.269	170
BLK	Blank	<0.01	<0.02	<0.02	<1	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5
BLK	Blank	<0.01	<0.02	<0.02	<1	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5
BLK	Blank	<0.01	<0.02	<0.02	<1	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5
BLK	Blank	<0.01	<0.02	<0.02	<1	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5
BLK	Blank	<0.01	<0.02	<0.02	<1	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<0.02	<0.02	<1	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<0.02	<0.02	<1	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5

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Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

QUALITY CONTROL REPORT VAN22003529.1

		AQ250 Se ppm 0.1	AQ250 Te ppm 0.02	AQ250 Ga ppm 0.1	AQ250 Cs ppm 0.02	AQ250 Ge ppm 0.1	AQ250 Hf ppm 0.02	AQ250 Nb ppm 0.02	AQ250 Rb ppm 0.1	AQ250 Sn ppm 0.1	AQ250 Ta ppm 0.05	AQ250 Zr ppm 0.1	AQ250 Y ppm 0.01	AQ250 Ce ppm 0.1	AQ250 In ppm 0.02	AQ250 Re ppb 1	AQ250 Be ppm 0.1	AQ250 Li ppm 0.1	AQ250 Pd ppb 10	AQ250 Pt ppb 2
STD SO-19	Standard																			
STD SO-19	Standard																			
STD SO-19	Standard																			
STD SO-19	Standard																			
STD GS910-4 Expected																				
STD OREAS279 Expected																				
STD GS311-1 Expected																				
STD SO-19 Expected																				
STD DS11 Expected		2.2	4.56	4.7	2.88	0.08	0.06	1.2	33.6	1.8		2.4	7.82	37	0.24	50	0.67	23.3	100	172
STD OREAS262 Expected		0.4	0.23	3.9	2.8		0.17		18.6	0.5		7.7	11.2	32	0.033		1.14	17.8		
BLK	Blank	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank																			
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BLK	Blank																			
BLK	Blank																			
BLK	Blank	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2

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BUREAU VERITAS
MINERAL LABORATORIES
Canada

www.bvna.com/mining-laboratory-services

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Submitted By:	Wayne Jackaman
Receiving Lab:	Canada-Vancouver
Received:	December 30, 2022
Analysis Start:	January 09, 2023
Report Date:	February 07, 2023
Page:	1 of 7

CERTIFICATE OF ANALYSIS VAN22003530.1

CLIENT JOB INFORMATION

Project:	CICGR22_TILL_RE_2
Shipment ID:	
P.O. Number	
Number of Samples:	168

SAMPLE DISPOSAL

IMM-PLP	Return immediately after analysis
IMM-RJT	Return immediately after analysis

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
SS230	160	Dry at 60C sieve 100g to -230 mesh			VAN
SLBHP	8	Sort, label and box pulps			VAN
LF302-EXT	168	LiBO2/LiB4O7 fusion ICP-ES analysis	0.2	Completed	VAN
AQ250_EXT	168	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	0.5	Completed	VAN
SVRJT	160	Save all or part of Soil Reject			VAN
HANDX	2	Special Handling - see Job Notes			VAN

ADDITIONAL COMMENTS

Invoice To: Noble Exploration Services Ltd.
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1
Canada

CC:

Martin Wong
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: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

CERTIFICATE OF ANALYSIS VAN22003530.1

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y
	Unit	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3
93-PMA-0510-1	Till	65.64	12.75	6.40	2.50	1.83	2.40	1.59	0.85	0.20	0.11	0.030	60	887	122	135	<20	232	135	38	23
93-PMA-0526	Till	60.22	10.09	4.53	2.97	8.44	2.16	1.13	0.70	0.18	0.09	0.015	46	839	65	57	<20	244	141	<30	19
93-PMA-0528	Till	64.62	10.34	5.21	3.60	5.51	2.30	1.07	0.73	0.26	0.09	0.027	75	866	60	95	21	360	146	39	18
93-PMA-0528-b	Rock Pulp	71.89	12.09	4.00	1.72	3.28	3.51	1.49	0.38	0.12	0.07	0.014	153	459	217	90	49	397	173	55	11
93-PMA-0530-1	Till	68.26	9.07	3.77	2.05	6.86	2.51	0.89	0.81	0.18	0.08	0.013	36	584	47	25	<20	264	200	39	19
93-PMA-0531-1	Till	68.99	11.98	5.60	2.09	2.01	2.03	1.87	0.76	0.18	0.13	0.013	76	1419	102	57	<20	181	151	49	23
93-PMA-0531-2	Till	70.47	12.25	4.86	1.43	1.95	2.93	1.43	0.86	0.14	0.08	0.013	42	768	63	30	<20	259	160	46	22
93-PMA-0532	Till	65.03	12.45	5.52	2.44	4.20	2.51	1.40	0.82	0.21	0.11	0.014	49	809	89	53	<20	267	153	<30	20
93-PMA-0534	Till	60.50	11.10	3.47	2.32	9.59	2.92	1.06	0.61	0.19	0.05	0.011	28	877	59	37	<20	286	167	<30	16
93-PMA-0535	Till	60.08	10.12	4.81	3.72	8.18	2.18	1.21	0.64	0.19	0.09	0.026	50	903	68	113	<20	283	124	32	17
93-PMA-0536	Till	71.04	11.26	5.16	1.77	1.90	2.12	1.52	0.68	0.19	0.13	0.013	62	926	89	55	<20	187	146	47	21
93-PMA-0540	Till	68.50	11.03	4.67	2.18	3.77	2.05	1.53	0.68	0.18	0.09	0.014	50	997	89	51	<20	208	135	35	20
93-PMA-0543	Till	67.84	12.61	5.75	2.12	1.98	2.14	1.69	0.75	0.20	0.14	0.013	65	952	103	58	<20	193	153	37	23
93-PMA-0548	Till	59.14	12.91	6.89	2.98	5.98	2.36	1.56	0.93	0.21	0.12	0.015	64	778	107	68	<20	259	147	34	21
93-PMA-0555	Till	63.48	13.72	6.02	2.50	3.50	2.75	1.61	0.78	0.21	0.13	0.014	48	764	92	65	<20	275	151	39	21
93-PMA-0557	Till	63.42	13.87	6.67	2.82	2.89	2.54	1.35	0.89	0.22	0.14	0.015	63	732	98	73	21	273	159	38	22
93-PMA-0567	Till	65.34	11.32	4.70	3.33	5.03	2.52	1.32	0.72	0.21	0.10	0.027	34	937	71	119	<20	248	155	40	19
93-PMA-0569	Till	67.99	11.95	5.57	3.11	1.87	2.12	1.79	0.78	0.21	0.11	0.029	62	1715	91	147	<20	193	187	46	23
93-PMA-0570	Till	63.72	13.78	6.18	3.09	2.98	2.89	1.62	0.87	0.29	0.12	0.044	33	876	85	103	<20	306	211	43	21
93-PMA-0572	Till	63.21	13.90	6.49	3.05	2.80	2.57	1.50	0.86	0.24	0.12	0.019	43	847	93	88	<20	263	192	33	23
93-PMA-0576-3	Till	71.63	9.98	4.86	4.05	2.30	2.22	1.21	0.69	0.16	0.09	0.047	31	699	56	236	<20	201	162	41	20
93-PMA-0578	Till	69.79	9.91	5.55	4.69	1.90	1.78	1.53	0.73	0.18	0.10	0.061	63	813	90	276	22	129	178	55	23
93-PMA-0580	Till	66.89	12.98	5.20	2.67	2.63	2.92	1.28	0.82	0.20	0.11	0.021	31	669	68	115	<20	262	152	31	20
93-PMA-0583	Till	68.70	12.10	4.78	3.28	2.96	2.71	1.12	0.84	0.19	0.10	0.025	26	675	60	94	<20	259	173	44	19
93-PMA-0584	Till	65.21	11.53	6.81	3.66	2.17	1.90	1.25	0.92	0.31	0.15	0.024	94	700	143	264	31	172	172	32	19
93-PMA-0586	Till	68.85	12.55	4.75	2.67	2.92	3.11	1.21	0.83	0.20	0.09	0.020	23	644	58	70	<20	284	179	50	21
93-PMA-0587	Till	68.03	12.93	5.42	1.88	2.59	3.04	1.38	0.75	0.20	0.12	0.017	33	730	75	56	<20	286	189	42	21
93-PMA-0590-1	Till	66.93	13.14	5.65	1.75	2.88	2.84	1.52	0.80	0.21	0.11	0.015	45	801	79	45	<20	264	171	45	22
93-PMA-0590-2	Till	68.66	12.79	5.40	1.64	2.30	3.04	1.44	0.82	0.21	0.10	0.014	36	759	77	36	<20	270	169	32	22
93-PMA-0592	Till	61.83	11.68	5.91	2.73	5.77	2.26	1.49	0.65	0.19	0.12	0.029	64	859	124	110	<20	298	138	<30	19

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BUREAU VERITAS
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www.bvna.com/mining-laboratory-services

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

CERTIFICATE OF ANALYSIS VAN22003530.1

	Method	LF300	LF300	LF300	LF300	TC000	TC000	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Nb	Sc	LOI	Sum	TOT/C	TOT/S	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
	Unit	ppm	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm
	MDL	5	1	-5.1	0.01	0.02	0.02	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5
93-PMA-0510-1	Till	10	16	5.4	99.92	0.34	<0.02	1.62	53.21	9.18	114.9	71	115.9	17.6	732	3.61	11.8	0.5	2.2	2.1	40.9
93-PMA-0526	Till	11	13	9.2	99.92	1.86	<0.02	1.07	40.56	5.03	56.4	75	48.9	12.1	523	2.38	6.3	0.5	3.8	1.8	61.3
93-PMA-0528	Till	10	14	6.0	99.91	0.83	0.02	0.72	71.25	6.47	47.7	59	84.7	19.8	547	2.59	7.9	0.5	1.8	2.5	117.3
93-PMA-0528-b	Rock Pulp	22	9	1.2	99.96	0.06	0.05	12.06	154.76	268.30	207.8	102	80.6	49.6	269	1.55	9.0	0.4	36.5	3.0	29.8
93-PMA-0530-1	Till	10	12	5.3	99.93	1.21	<0.02	0.68	33.05	3.84	36.4	47	21.4	8.9	403	1.65	6.9	0.3	1.8	1.4	48.8
93-PMA-0531-1	Till	13	15	4.1	99.93	0.29	<0.02	3.43	74.69	12.66	93.7	114	52.0	17.1	860	3.08	7.6	0.6	2.8	3.5	37.4
93-PMA-0531-2	Till	9	15	3.4	99.94	0.25	<0.02	0.93	38.32	6.61	56.5	69	24.9	9.6	518	2.64	5.8	0.4	5.7	1.9	40.0
93-PMA-0532	Till	14	15	5.1	99.91	0.60	<0.02	1.09	42.59	5.84	70.8	111	42.5	13.2	598	2.77	6.1	0.4	1.9	1.9	46.8
93-PMA-0534	Till	10	10	7.9	99.92	1.80	0.03	0.51	22.99	3.01	45.0	124	25.3	7.1	211	1.63	1.7	2.6	0.8	1.9	50.0
93-PMA-0535	Till	12	13	8.5	99.90	1.66	<0.02	0.97	43.15	5.40	53.9	70	96.0	16.3	537	2.42	7.5	0.5	1.3	2.0	81.6
93-PMA-0536	Till	13	14	4.0	99.93	0.19	<0.02	2.08	58.12	8.97	77.7	98	43.2	13.5	843	2.78	7.1	0.4	1.8	2.7	31.2
93-PMA-0540	Till	9	14	5.1	99.93	0.77	0.12	2.17	44.26	8.90	77.4	147	44.8	13.1	545	2.44	5.7	0.5	0.9	2.4	55.5
93-PMA-0543	Till	11	15	4.5	99.94	0.24	<0.02	1.56	61.34	9.87	92.3	59	49.0	16.2	891	3.21	7.7	0.4	1.9	3.0	32.0
93-PMA-0548	Till	15	16	6.6	99.91	1.00	<0.02	1.76	59.80	7.20	95.3	114	63.0	19.7	769	3.76	7.1	0.4	2.3	2.1	67.8
93-PMA-0555	Till	10	16	5.1	99.92	0.43	<0.02	1.03	43.99	7.78	80.8	144	52.0	15.6	808	3.23	6.5	0.4	0.9	2.1	57.0
93-PMA-0557	Till	7	17	4.9	99.91	0.26	<0.02	1.16	55.07	6.63	83.9	46	62.3	20.1	863	3.59	6.5	0.5	1.0	2.0	41.7
93-PMA-0567	Till	10	12	5.1	99.92	0.72	<0.02	0.89	31.64	4.59	58.3	31	92.7	14.1	535	2.33	5.9	0.4	1.9	2.8	34.1
93-PMA-0569	Till	13	14	4.1	99.92	0.22	<0.02	2.11	57.47	6.97	74.2	71	118.6	17.5	639	2.90	6.7	0.6	18.9	3.9	22.3
93-PMA-0570	Till	15	14	4.1	99.91	0.16	<0.02	0.92	32.94	6.14	73.0	91	71.9	14.7	699	3.15	6.0	0.6	0.9	4.0	33.0
93-PMA-0572	Till	13	16	5.0	99.92	0.24	<0.02	1.29	44.38	6.63	83.8	77	71.5	16.0	694	3.50	7.2	0.9	1.0	3.0	34.4
93-PMA-0576-3	Till	11	12	2.5	99.91	0.13	<0.02	0.71	30.64	3.98	43.5	39	189.5	15.2	467	2.41	5.5	0.5	3.2	2.8	18.9
93-PMA-0578	Till	13	13	3.5	99.90	0.26	<0.02	1.29	60.97	5.84	75.7	51	226.5	18.4	505	2.83	14.0	0.8	2.7	4.3	15.8
93-PMA-0580	Till	11	14	4.0	99.92	0.50	<0.02	1.02	27.98	4.55	58.9	35	87.4	13.3	630	2.73	9.5	0.4	0.9	1.4	28.7
93-PMA-0583	Till	12	14	3.0	99.93	0.24	<0.02	0.89	26.13	4.57	47.5	10	62.4	11.8	495	2.20	4.8	0.5	1.0	2.0	22.3
93-PMA-0584	Till	17	14	5.8	99.90	1.18	<0.02	1.80	86.65	6.40	123.4	260	220.7	30.7	896	3.59	8.5	0.5	225.6	2.4	15.0
93-PMA-0586	Till	12	15	2.6	99.93	0.21	<0.02	0.74	23.17	4.25	44.4	10	46.4	10.5	464	2.10	4.3	0.4	0.3	1.7	24.9
93-PMA-0587	Till	8	16	3.4	99.95	0.17	<0.02	0.87	29.89	6.57	66.7	32	42.6	12.4	762	2.81	7.2	0.4	2.1	1.8	32.8
93-PMA-0590-1	Till	<5	17	3.9	99.94	0.31	<0.02	0.82	34.68	7.73	79.1	56	32.3	12.7	718	3.10	6.7	0.5	10.1	2.0	50.8
93-PMA-0590-2	Till	11	16	3.4	99.93	0.18	<0.02	0.71	32.67	7.02	71.0	39	28.3	10.7	582	3.02	6.4	0.4	1.8	1.9	48.2
93-PMA-0592	Till	10	15	7.1	99.92	1.08	<0.02	2.09	59.02	7.04	114.6	159	91.6	19.8	755	3.21	17.3	0.4	2.7	2.1	78.4

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

CERTIFICATE OF ANALYSIS VAN22003530.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg
	Unit	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb
	MDL	0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5
93-PMA-0510-1	Till	0.37	1.20	0.11	73	0.56	0.079	12.1	79.6	1.00	170.8	0.076	<20	1.53	0.016	0.07	<0.1	7.7	0.18	<0.02	687
93-PMA-0526	Till	0.37	0.58	0.07	51	4.50	0.072	9.2	40.3	1.30	272.6	0.096	<20	1.19	0.023	0.09	<0.1	5.3	0.10	<0.02	106
93-PMA-0528	Till	0.19	0.30	0.07	59	2.43	0.107	11.9	71.3	1.45	291.2	0.086	<20	1.29	0.059	0.11	<0.1	4.3	0.11	<0.02	137
93-PMA-0528-b	Rock Pulp	0.48	0.18	0.14	23	0.53	0.052	24.3	29.8	0.45	57.2	0.071	<20	0.77	0.083	0.11	<0.1	2.6	0.07	0.04	13
93-PMA-0530-1	Till	0.27	0.49	0.06	39	3.41	0.079	8.2	20.7	0.76	118.0	0.094	<20	0.68	0.014	0.05	<0.1	3.1	0.09	<0.02	33
93-PMA-0531-1	Till	0.46	0.76	0.20	49	0.66	0.074	14.8	36.2	0.73	222.4	0.072	<20	1.46	0.014	0.14	<0.1	4.9	0.15	<0.02	56
93-PMA-0531-2	Till	0.12	0.41	0.07	59	0.50	0.057	13.4	31.7	0.51	121.5	0.094	<20	1.19	0.014	0.06	<0.1	6.4	0.08	<0.02	36
93-PMA-0532	Till	0.33	0.39	0.09	55	1.62	0.082	8.7	39.4	0.88	169.0	0.103	<20	1.50	0.022	0.17	<0.1	5.1	0.17	<0.02	19
93-PMA-0534	Till	0.28	0.16	0.06	33	4.99	0.081	8.7	28.4	0.87	302.9	0.101	<20	0.99	0.019	0.20	<0.1	3.6	0.10	<0.02	21
93-PMA-0535	Till	0.35	0.37	0.08	49	4.36	0.077	9.2	67.1	1.57	276.0	0.088	<20	1.20	0.024	0.13	<0.1	5.3	0.13	<0.02	150
93-PMA-0536	Till	0.35	0.56	0.15	47	0.55	0.074	12.7	34.2	0.62	168.9	0.063	<20	1.31	0.016	0.10	<0.1	5.1	0.14	<0.02	52
93-PMA-0540	Till	0.51	0.54	0.12	46	1.88	0.072	10.3	37.2	0.84	268.7	0.070	<20	1.31	0.019	0.14	<0.1	4.8	0.13	0.12	70
93-PMA-0543	Till	0.34	0.54	0.15	57	0.57	0.081	13.0	38.3	0.77	175.4	0.077	<20	1.69	0.019	0.13	<0.1	6.3	0.13	<0.02	46
93-PMA-0548	Till	0.48	0.61	0.11	71	3.00	0.091	9.7	52.9	1.22	182.2	0.198	<20	1.92	0.022	0.26	<0.1	6.0	0.21	<0.02	39
93-PMA-0555	Till	0.35	0.34	0.09	66	1.29	0.083	9.8	47.2	0.94	198.3	0.098	<20	1.76	0.025	0.20	<0.1	6.9	0.17	<0.02	33
93-PMA-0557	Till	0.17	0.41	0.10	76	0.60	0.089	9.3	50.4	1.11	189.9	0.143	<20	2.09	0.026	0.21	<0.1	7.0	0.18	<0.02	30
93-PMA-0567	Till	0.25	0.43	0.09	41	2.24	0.091	12.1	67.5	1.06	197.6	0.095	<20	1.18	0.023	0.16	<0.1	3.8	0.15	<0.02	36
93-PMA-0569	Till	0.11	0.54	0.16	45	0.34	0.083	15.8	76.6	0.99	341.6	0.087	<20	1.41	0.015	0.19	<0.1	4.7	0.16	<0.02	40
93-PMA-0570	Till	0.17	0.37	0.09	63	0.63	0.121	16.5	63.9	1.10	340.8	0.149	<20	1.80	0.030	0.40	<0.1	5.6	0.22	<0.02	14
93-PMA-0572	Till	0.15	0.38	0.11	70	0.62	0.104	13.1	66.1	1.13	292.3	0.144	<20	2.13	0.023	0.30	<0.1	7.1	0.23	<0.02	19
93-PMA-0576-3	Till	0.16	0.37	0.08	40	0.34	0.071	11.1	113.4	1.30	124.8	0.080	<20	1.00	0.018	0.10	<0.1	4.0	0.11	<0.02	21
93-PMA-0578	Till	0.23	0.57	0.15	43	0.35	0.077	14.0	140.5	1.60	122.0	0.074	<20	1.21	0.019	0.16	0.1	4.7	0.18	<0.02	26
93-PMA-0580	Till	0.22	0.30	0.07	56	0.54	0.082	8.4	60.5	0.91	128.0	0.094	<20	1.62	0.015	0.13	<0.1	4.2	0.20	<0.02	8
93-PMA-0583	Till	0.08	0.27	0.07	45	0.41	0.086	9.4	69.5	0.87	122.2	0.099	<20	1.34	0.019	0.15	<0.1	4.0	0.13	<0.02	7
93-PMA-0584	Till	0.38	0.48	0.15	67	0.37	0.130	8.2	78.4	1.17	149.1	0.114	<20	2.06	0.011	0.31	0.1	4.6	0.28	<0.02	17
93-PMA-0586	Till	0.12	0.43	0.07	45	0.41	0.081	9.2	59.2	0.67	97.8	0.092	<20	1.15	0.017	0.09	<0.1	3.8	0.10	<0.02	6
93-PMA-0587	Till	0.25	0.36	0.08	59	0.51	0.081	9.1	39.0	0.65	156.2	0.090	<20	1.32	0.021	0.11	<0.1	6.1	0.13	<0.02	22
93-PMA-0590-1	Till	0.34	0.39	0.08	67	1.13	0.082	10.7	35.7	0.67	167.1	0.099	<20	1.49	0.023	0.10	<0.1	7.7	0.11	<0.02	39
93-PMA-0590-2	Till	0.29	0.38	0.07	67	0.69	0.084	10.8	33.6	0.64	135.4	0.104	<20	1.39	0.027	0.07	<0.1	7.2	0.09	<0.02	36
93-PMA-0592	Till	0.95	1.87	0.11	64	3.05	0.082	10.2	65.7	1.10	209.1	0.070	<20	1.32	0.019	0.13	<0.1	7.9	0.27	<0.02	403

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

CERTIFICATE OF ANALYSIS VAN22003530.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
93-PMA-0510-1	Till	0.5	0.05	4.6	1.00	<0.1	0.11	0.10	4.6	0.7	<0.05	5.7	12.90	22.0	0.03	1	0.5	10.8	<10	2
93-PMA-0526	Till	0.3	0.03	3.7	0.66	<0.1	0.12	0.15	5.4	0.9	<0.05	5.9	8.75	18.0	0.02	<1	0.3	8.0	<10	<2
93-PMA-0528	Till	0.2	0.02	3.5	2.20	<0.1	0.12	0.09	9.5	0.5	<0.05	6.6	8.04	23.1	<0.02	<1	0.6	13.0	<10	<2
93-PMA-0528-b	Rock Pulp	<0.1	0.02	2.3	1.10	<0.1	0.16	0.37	7.2	2.0	<0.05	5.8	5.25	40.7	0.03	<1	0.2	7.7	42	24
93-PMA-0530-1	Till	0.2	0.03	2.0	0.30	<0.1	0.12	0.23	2.6	0.2	<0.05	5.2	6.99	16.5	<0.02	<1	0.2	4.2	<10	<2
93-PMA-0531-1	Till	0.3	0.08	4.3	0.94	<0.1	0.13	0.10	7.9	1.4	<0.05	8.4	9.31	30.7	0.03	<1	0.4	11.7	<10	<2
93-PMA-0531-2	Till	0.2	0.03	3.6	0.47	<0.1	0.05	0.15	3.5	0.9	<0.05	3.0	10.05	23.6	0.02	<1	0.3	7.2	<10	<2
93-PMA-0532	Till	0.2	0.05	4.6	1.04	<0.1	0.14	0.08	11.1	0.7	<0.05	6.5	8.48	17.5	0.02	<1	0.3	11.2	<10	<2
93-PMA-0534	Till	0.2	0.05	3.3	0.72	<0.1	0.17	0.17	12.5	0.5	<0.05	5.9	6.36	16.6	<0.02	<1	0.2	8.9	<10	<2
93-PMA-0535	Till	0.2	0.03	3.5	1.16	<0.1	0.17	0.06	7.9	1.1	<0.05	7.1	7.89	18.0	<0.02	<1	0.3	9.2	<10	<2
93-PMA-0536	Till	0.2	0.07	3.9	0.68	<0.1	0.18	0.06	5.8	0.5	<0.05	8.5	9.38	25.1	0.03	<1	0.4	10.1	<10	<2
93-PMA-0540	Till	2.0	0.05	3.9	0.79	<0.1	0.20	0.09	6.5	1.7	<0.05	8.8	8.44	21.3	0.02	2	0.3	10.0	<10	<2
93-PMA-0543	Till	0.2	0.07	5.1	0.94	<0.1	0.12	0.13	7.5	1.1	<0.05	7.2	10.71	26.5	0.03	<1	0.5	12.0	<10	<2
93-PMA-0548	Till	0.5	0.05	6.1	1.60	<0.1	0.19	0.16	14.9	1.0	<0.05	8.4	9.12	20.1	0.03	<1	0.4	13.9	<10	<2
93-PMA-0555	Till	0.3	0.04	5.2	1.12	<0.1	0.19	0.08	11.1	1.3	<0.05	6.8	9.68	19.7	0.03	<1	0.4	12.1	<10	<2
93-PMA-0557	Till	0.2	0.05	6.3	1.42	<0.1	0.14	0.10	13.6	0.8	<0.05	6.5	9.67	18.8	0.03	<1	0.4	13.7	<10	<2
93-PMA-0567	Till	0.2	0.03	3.8	1.07	<0.1	0.11	0.09	11.5	0.8	<0.05	4.9	7.54	23.9	<0.02	<1	0.2	9.7	<10	<2
93-PMA-0569	Till	0.2	0.06	4.4	1.22	<0.1	0.13	0.07	11.4	0.7	<0.05	6.7	8.37	29.6	0.02	<1	0.4	12.1	<10	<2
93-PMA-0570	Till	0.2	0.05	6.1	1.96	<0.1	0.17	0.08	22.2	1.6	<0.05	6.8	9.38	32.2	0.03	<1	0.4	17.3	<10	<2
93-PMA-0572	Till	0.1	0.04	6.6	1.91	<0.1	0.16	0.11	18.9	1.2	<0.05	7.0	10.93	25.4	0.03	<1	0.5	17.7	<10	<2
93-PMA-0576-3	Till	0.1	0.03	3.0	0.81	<0.1	0.13	0.08	7.8	0.7	<0.05	4.6	7.32	20.1	<0.02	<1	0.2	8.2	<10	<2
93-PMA-0578	Till	0.2	0.06	3.5	1.31	<0.1	0.10	0.12	12.6	0.4	<0.05	5.0	8.42	25.5	0.02	<1	0.3	11.1	<10	<2
93-PMA-0580	Till	0.2	0.03	4.1	1.22	<0.1	0.02	0.35	9.6	0.3	<0.05	1.2	6.73	19.7	<0.02	<1	0.3	11.0	<10	<2
93-PMA-0583	Till	0.1	0.03	4.1	1.08	<0.1	0.04	0.16	11.5	1.2	<0.05	2.1	6.10	20.8	<0.02	<1	0.2	10.5	<10	<2
93-PMA-0584	Till	0.5	0.09	5.8	2.78	<0.1	0.05	0.65	27.4	0.7	<0.05	2.6	6.31	23.5	0.03	<1	0.4	16.5	<10	<2
93-PMA-0586	Till	0.2	0.03	3.4	0.71	<0.1	0.05	0.19	5.9	0.3	<0.05	2.5	6.90	19.4	<0.02	<1	0.2	7.4	<10	<2
93-PMA-0587	Till	0.1	0.04	4.0	0.92	<0.1	0.16	0.06	7.2	0.9	<0.05	5.9	9.13	18.0	0.02	<1	0.3	9.9	<10	<2
93-PMA-0590-1	Till	0.2	0.04	4.6	0.89	<0.1	0.21	0.10	5.9	0.6	<0.05	7.7	10.72	22.3	0.03	<1	0.4	10.8	<10	<2
93-PMA-0590-2	Till	0.1	0.03	4.2	0.74	<0.1	0.21	0.10	4.5	0.6	<0.05	8.2	10.69	21.8	0.03	<1	0.4	9.6	<10	<2
93-PMA-0592	Till	0.5	0.06	4.1	1.40	<0.1	0.16	0.07	7.6	0.9	<0.05	6.7	9.66	20.3	0.03	<1	0.4	9.1	<10	2

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Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

CERTIFICATE OF ANALYSIS VAN22003530.1

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y
	Unit	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3
93-PMA-059-b	Rock Pulp	72.29	12.17	4.00	1.70	3.29	3.39	1.41	0.38	0.12	0.07	0.016	153	444	214	90	50	395	149	42	11
93-PMA-0593	Till	63.08	10.56	4.75	2.65	6.84	2.32	1.42	0.62	0.19	0.09	0.021	40	767	114	66	<20	329	154	<30	18
93-PMA-0595	Till	67.60	11.30	7.59	1.93	2.33	2.49	1.30	0.76	0.24	0.18	0.033	87	789	110	94	<20	308	204	43	26
93-PMA-0597	Till	64.39	13.86	6.31	2.42	2.75	2.75	1.70	0.69	0.24	0.12	0.023	108	996	90	82	<20	343	172	51	19
93-PMA-0599	Till	64.86	11.01	5.43	2.39	5.34	2.47	1.31	0.68	0.22	0.10	0.028	55	754	87	80	<20	325	150	32	18
93-PMA-0601	Till	67.06	12.69	5.77	2.39	2.41	2.72	1.50	0.74	0.23	0.12	0.023	73	918	76	78	20	324	163	45	20
93-PMA-0603	Till	67.31	12.48	6.27	2.02	2.28	2.41	1.46	0.69	0.22	0.11	0.022	96	956	99	83	<20	310	155	52	22
93-PMA-0604	Till	66.93	12.38	6.07	2.32	2.24	2.42	1.41	0.70	0.21	0.11	0.024	70	916	78	97	21	291	139	<30	19
93-PMA-0607	Till	68.49	11.81	5.56	2.35	2.37	2.57	1.36	0.69	0.20	0.09	0.026	59	824	84	77	<20	300	135	43	19
93-PMA-0611	Till	62.21	14.76	7.19	2.23	2.40	2.67	1.53	0.83	0.20	0.14	0.014	58	745	113	51	<20	270	140	<30	24
93-PMA-0614	Till	68.22	12.12	6.32	2.07	1.59	2.63	1.34	0.77	0.12	0.15	0.017	115	721	82	69	<20	208	125	<30	25
93-PMA-0615	Till	60.91	14.84	6.87	2.65	3.71	2.67	1.78	0.79	0.19	0.15	0.013	51	751	119	38	<20	281	130	<30	22
93-PMA-0617	Till	66.05	13.14	5.89	1.89	2.81	3.04	1.49	0.80	0.23	0.11	0.013	51	707	76	30	<20	325	147	33	21
93-PMA-0619	Till	68.03	13.27	5.51	1.61	2.58	3.27	1.33	0.90	0.20	0.12	0.014	50	691	67	23	<20	315	168	<30	23
93-PMA-0621	Till	63.89	14.38	6.53	1.56	2.06	2.52	1.51	0.85	0.21	0.15	0.012	58	760	106	34	<20	276	142	<30	22
93-PMA-0621-b	Rock Pulp	72.01	12.10	4.07	1.73	3.27	3.47	1.51	0.38	0.11	0.07	0.016	159	464	224	91	51	396	156	50	11
93-PMA-0622	Till	69.78	12.92	4.97	1.17	1.81	3.22	1.37	0.86	0.18	0.08	0.014	59	754	63	24	<20	302	154	<30	21
93-PMA-0623	Till	63.61	14.39	6.52	1.83	2.30	2.69	1.63	0.82	0.21	0.10	0.014	52	783	95	36	<20	280	152	<30	24
93-PMA-0624	Till	63.95	14.13	6.33	2.21	2.98	3.39	1.80	0.78	0.21	0.14	0.014	68	692	69	34	<20	325	195	52	22
93-PMA-0626	Till	60.02	14.78	7.49	2.82	2.82	2.59	1.79	0.85	0.25	0.19	0.020	77	694	112	51	24	283	161	39	34
93-PMA-0627	Till	61.34	15.08	7.01	1.48	2.66	2.42	1.66	0.88	0.21	0.15	0.010	58	732	126	33	<20	256	154	32	25
93-PMA-0628-1	Till	59.91	15.12	6.80	2.10	3.37	2.36	1.89	0.87	0.21	0.12	0.014	67	833	127	35	<20	248	138	31	24
93-PMA-0628-2	Till	60.72	15.37	7.32	1.97	2.06	2.25	1.82	0.85	0.18	0.18	0.014	68	901	138	49	22	228	139	38	25
93-PMA-0631	Till	73.41	10.09	4.68	1.92	2.31	2.63	1.31	0.65	0.22	0.09	0.020	36	676	61	60	<20	266	127	32	19
93-PMA-0633	Till	69.97	11.27	5.70	2.16	1.91	2.34	1.38	0.65	0.20	0.11	0.027	67	749	79	129	<20	222	122	33	22
93-PMA-0635	Till	61.95	11.32	6.14	2.86	6.01	2.07	1.53	0.65	0.24	0.12	0.021	113	834	91	80	20	312	110	30	17
93-PMA-0638	Till	68.30	11.39	5.14	4.76	2.02	2.49	1.62	0.62	0.14	0.10	0.062	39	709	66	246	<20	160	139	32	20
93-PMA-0643	Till	46.69	7.97	4.07	5.20	15.13	1.43	0.86	0.56	0.17	0.08	0.012	71	553	65	42	<20	184	94	<30	18
93-PMA-0644-1	Till	66.36	12.76	5.33	2.14	3.15	2.60	1.59	0.77	0.20	0.11	0.016	42	842	84	52	<20	250	133	42	21
93-PMA-0644-2	Till	71.62	11.11	3.97	1.67	3.14	2.91	1.34	0.68	0.18	0.08	0.017	20	713	53	38	<20	273	142	36	19

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BUREAU VERITAS
MINERAL LABORATORIES
Canada

www.bvna.com/mining-laboratory-services

Bureau Veritas Commodities Canada Ltd.

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

CERTIFICATE OF ANALYSIS VAN22003530.1

	Method	LF300	LF300	LF300	LF300	TC000	TC000	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Nb	Sc	LOI	Sum	TOT/C	TOT/S	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
	Unit	ppm	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm
	MDL	5	1	-5.1	0.01	0.02	0.02	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5
93-PMA-059-b	Rock Pulp	19	9	0.9	99.94	0.06	0.05	12.46	157.86	270.56	212.7	106	82.4	50.3	278	1.63	9.7	0.4	38.1	3.0	34.0
93-PMA-0593	Till	14	13	7.2	99.91	1.32	<0.02	1.32	36.97	5.93	81.5	30	57.5	12.8	520	2.55	12.9	0.5	1.7	1.9	82.4
93-PMA-0595	Till	12	17	4.0	99.93	0.25	<0.02	5.96	82.47	9.24	105.2	145	79.1	21.1	1221	4.27	34.9	0.6	2.9	2.1	39.2
93-PMA-0597	Till	13	17	4.4	99.92	0.21	<0.02	5.05	103.81	10.11	80.1	129	69.1	16.9	710	3.51	25.0	1.1	17.3	6.7	42.1
93-PMA-0599	Till	8	15	5.9	99.93	0.89	<0.02	1.78	50.86	7.84	79.9	118	66.2	15.0	609	2.95	23.3	0.5	4.8	2.1	63.7
93-PMA-0601	Till	14	17	4.1	99.92	0.33	<0.02	2.58	67.48	8.24	66.1	40	66.6	15.1	704	3.10	19.0	1.2	5.7	3.9	38.7
93-PMA-0603	Till	<5	17	4.4	99.93	0.24	<0.02	4.09	88.73	6.94	99.0	139	77.1	14.5	707	3.51	27.0	0.6	5.5	3.2	40.5
93-PMA-0604	Till	<5	17	5.0	99.93	0.19	<0.02	1.44	63.00	7.34	87.9	56	86.6	16.3	726	3.50	21.3	0.5	2.7	2.6	43.0
93-PMA-0607	Till	7	16	4.2	99.93	0.25	<0.02	1.09	54.42	6.25	77.7	93	66.1	12.8	505	3.10	18.3	0.5	2.9	2.2	42.0
93-PMA-0611	Till	5	19	5.6	99.93	0.38	<0.02	1.57	56.52	8.74	108.0	72	40.4	16.8	952	4.11	11.8	0.3	1.0	1.7	53.4
93-PMA-0614	Till	13	19	4.4	99.93	0.35	<0.02	1.56	107.29	7.98	75.2	64	57.6	18.2	973	3.72	12.7	0.5	1.0	1.9	30.7
93-PMA-0615	Till	10	19	5.2	99.92	0.61	0.07	1.36	47.42	8.00	100.5	117	33.3	17.2	952	3.77	9.1	0.5	1.0	1.9	66.6
93-PMA-0617	Till	13	17	4.3	99.95	0.22	<0.02	0.75	46.42	6.49	67.2	37	25.7	11.5	623	3.17	8.9	0.3	1.8	1.6	51.4
93-PMA-0619	Till	10	16	3.0	99.93	0.18	<0.02	0.75	39.71	6.16	55.8	19	15.8	12.4	691	2.76	9.0	0.3	0.9	1.3	38.5
93-PMA-0621	Till	12	18	6.1	99.93	0.34	<0.02	1.02	48.87	9.68	93.1	68	31.1	15.4	980	3.70	11.0	0.3	1.9	1.7	58.4
93-PMA-0621-b	Rock Pulp	18	9	1.0	99.94	0.06	0.04	12.24	155.48	260.75	209.8	104	81.0	49.4	270	1.59	9.4	0.4	37.2	2.9	32.7
93-PMA-0622	Till	7	16	3.4	99.95	0.22	<0.02	0.67	48.52	6.11	53.2	15	19.6	8.7	470	2.87	8.4	0.4	6.6	1.5	41.3
93-PMA-0623	Till	8	19	5.7	99.92	0.33	<0.02	1.10	47.58	8.98	90.9	46	27.7	15.2	642	3.81	8.4	0.8	7.3	2.6	58.5
93-PMA-0624	Till	12	17	3.8	99.92	0.31	<0.02	1.09	59.38	7.86	60.9	25	23.7	14.4	831	3.39	12.1	0.7	2.9	3.3	45.2
93-PMA-0626	Till	13	23	6.1	99.91	0.42	<0.02	1.62	68.61	13.03	98.7	47	38.8	20.4	1226	4.17	11.5	1.0	1.8	3.6	61.0
93-PMA-0627	Till	9	20	6.9	99.93	0.63	0.03	1.52	48.91	10.33	115.6	81	28.2	16.0	1043	4.07	11.1	0.4	1.8	1.7	65.8
93-PMA-0628-1	Till	10	21	7.0	99.93	0.79	0.02	1.10	57.26	9.69	112.5	158	31.6	15.1	787	3.84	7.5	0.5	0.9	1.7	68.2
93-PMA-0628-2	Till	9	21	7.0	99.93	0.41	0.02	1.41	59.36	11.19	125.1	74	39.2	19.6	1308	4.24	9.9	0.4	2.7	1.8	59.1
93-PMA-0631	Till	8	13	2.5	99.93	0.08	<0.02	1.07	34.21	4.21	52.7	36	53.1	12.0	517	2.34	8.9	0.3	1.8	1.8	33.2
93-PMA-0633	Till	6	16	4.0	99.94	0.18	<0.02	0.86	61.28	6.00	69.2	38	106.8	14.4	675	3.28	14.7	0.5	3.8	2.4	31.4
93-PMA-0635	Till	6	17	6.8	99.92	0.98	<0.02	1.05	101.81	10.45	82.0	122	69.0	17.3	744	3.43	13.8	0.5	3.9	2.4	97.3
93-PMA-0638	Till	11	13	3.1	99.90	0.16	<0.02	0.64	36.29	3.94	52.9	12	187.4	17.6	520	2.74	8.7	0.8	4.1	4.1	14.6
93-PMA-0643	Till	12	12	17.6	99.88	4.11	<0.02	0.92	60.84	3.56	54.0	60	38.5	11.3	530	2.30	12.2	1.0	10.6	1.2	76.3
93-PMA-0644-1	Till	12	15	4.7	99.93	0.48	<0.02	0.83	36.14	6.78	77.0	70	48.6	13.1	726	2.99	7.0	0.4	0.9	2.3	46.7
93-PMA-0644-2	Till	7	12	3.1	99.94	0.37	<0.02	0.46	20.32	4.33	46.1	61	31.1	8.5	454	2.08	4.8	0.3	2.0	1.7	39.2

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Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

CERTIFICATE OF ANALYSIS VAN22003530.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg
	Unit	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb
	MDL	0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5
93-PMA-059-b	Rock Pulp	0.50	0.19	0.14	23	0.58	0.055	24.7	32.2	0.48	59.3	0.076	<20	0.83	0.091	0.11	<0.1	3.0	0.08	0.05	15
93-PMA-0593	Till	0.60	1.29	0.07	60	3.75	0.083	10.2	50.5	1.11	178.5	0.088	<20	1.16	0.024	0.10	<0.1	5.8	0.20	<0.02	215
93-PMA-0595	Till	0.57	3.04	0.11	74	0.61	0.100	13.2	60.4	0.67	176.0	0.071	<20	1.12	0.019	0.08	<0.1	9.4	0.23	<0.02	461
93-PMA-0597	Till	0.35	2.10	0.62	79	0.72	0.100	20.8	64.2	0.87	290.2	0.096	<20	1.75	0.033	0.15	2.0	8.7	0.20	<0.02	205
93-PMA-0599	Till	0.58	1.94	0.21	58	2.66	0.093	11.4	53.6	0.94	150.5	0.072	<20	1.10	0.018	0.08	0.2	7.2	0.17	<0.02	300
93-PMA-0601	Till	0.22	1.50	0.38	68	0.59	0.094	16.4	64.4	0.87	224.2	0.092	<20	1.55	0.023	0.10	0.8	8.1	0.17	<0.02	252
93-PMA-0603	Till	0.52	1.86	0.30	67	0.59	0.090	14.7	60.7	0.71	233.0	0.065	<20	1.37	0.022	0.09	0.5	9.0	0.18	<0.02	241
93-PMA-0604	Till	0.26	1.68	0.19	73	0.65	0.083	13.1	64.7	0.92	263.5	0.076	<20	1.57	0.024	0.11	0.2	9.3	0.19	<0.02	322
93-PMA-0607	Till	0.33	1.55	0.14	68	0.66	0.085	11.5	60.6	0.91	196.6	0.079	<20	1.40	0.030	0.10	0.1	7.9	0.16	<0.02	278
93-PMA-0611	Till	0.39	0.63	0.11	76	0.71	0.084	11.0	43.4	0.95	172.1	0.089	<20	2.06	0.021	0.10	<0.1	8.4	0.13	<0.02	49
93-PMA-0614	Till	0.25	0.36	0.11	69	0.43	0.049	13.3	57.3	0.87	120.9	0.094	<20	1.64	0.009	0.05	<0.1	9.9	0.16	<0.02	62
93-PMA-0615	Till	0.49	0.51	0.09	72	1.55	0.083	9.5	36.2	1.14	127.6	0.100	<20	1.91	0.021	0.14	<0.1	7.6	0.11	0.06	31
93-PMA-0617	Till	0.16	0.45	0.07	72	0.74	0.095	10.0	37.2	0.62	144.1	0.098	<20	1.47	0.034	0.07	<0.1	7.8	0.10	<0.02	47
93-PMA-0619	Till	0.12	0.40	0.06	60	0.48	0.080	11.3	24.9	0.57	121.7	0.096	<20	1.31	0.013	0.03	<0.1	6.0	0.11	<0.02	32
93-PMA-0621	Till	0.35	0.56	0.12	73	0.72	0.081	10.9	33.6	0.61	185.6	0.064	<20	1.73	0.024	0.09	<0.1	9.1	0.13	<0.02	69
93-PMA-0621-b	Rock Pulp	0.47	0.19	0.14	23	0.56	0.053	23.9	31.3	0.46	58.7	0.074	<20	0.80	0.087	0.11	<0.1	2.9	0.07	0.05	12
93-PMA-0622	Till	0.11	0.37	0.07	68	0.47	0.077	12.5	32.1	0.44	172.1	0.102	<20	1.46	0.016	0.05	<0.1	8.3	0.13	<0.02	35
93-PMA-0623	Till	0.21	0.46	0.10	83	0.73	0.088	12.7	41.3	0.72	205.8	0.096	<20	1.95	0.026	0.11	<0.1	9.7	0.11	<0.02	41
93-PMA-0624	Till	0.14	0.38	0.08	82	0.58	0.092	13.2	37.8	0.69	147.9	0.115	<20	1.71	0.020	0.09	<0.1	6.3	0.20	<0.02	16
93-PMA-0626	Till	0.26	0.47	0.14	88	0.82	0.102	20.2	61.3	0.97	162.4	0.095	<20	2.00	0.027	0.15	<0.1	10.9	0.32	<0.02	44
93-PMA-0627	Till	0.45	0.49	0.11	76	1.25	0.086	11.0	26.7	0.62	181.7	0.049	<20	1.79	0.025	0.10	<0.1	10.4	0.25	<0.02	53
93-PMA-0628-1	Till	0.42	0.39	0.11	80	1.67	0.079	9.9	36.4	0.94	227.7	0.077	<20	1.87	0.026	0.13	<0.1	10.5	0.11	<0.02	41
93-PMA-0628-2	Till	0.43	0.45	0.13	85	0.85	0.073	10.5	39.9	0.86	259.8	0.074	<20	2.08	0.026	0.11	<0.1	11.2	0.14	<0.02	44
93-PMA-0631	Till	0.26	0.84	0.07	45	0.43	0.091	8.7	43.9	0.60	93.3	0.060	<20	0.76	0.010	0.05	<0.1	4.4	0.08	<0.02	185
93-PMA-0633	Till	0.23	1.41	0.13	61	0.43	0.082	11.6	76.8	0.78	164.6	0.070	<20	1.45	0.010	0.09	0.1	8.0	0.13	<0.02	189
93-PMA-0635	Till	0.54	1.06	0.18	83	3.20	0.100	9.9	58.2	1.17	220.3	0.074	<20	1.54	0.023	0.12	<0.1	7.8	0.12	<0.02	144
93-PMA-0638	Till	0.12	0.57	0.10	41	0.26	0.061	13.8	155.4	1.61	111.6	0.085	<20	1.31	0.014	0.10	0.1	4.7	0.17	<0.02	14
93-PMA-0643	Till	0.46	0.61	0.06	51	9.65	0.072	8.0	36.0	2.71	171.2	0.093	<20	1.40	0.016	0.09	<0.1	5.7	0.13	<0.02	181
93-PMA-0644-1	Till	0.38	0.48	0.09	60	1.40	0.077	11.7	45.8	0.85	172.9	0.086	<20	1.44	0.018	0.10	<0.1	6.7	0.11	<0.02	162
93-PMA-0644-2	Till	0.21	0.35	0.05	45	1.15	0.076	9.9	31.9	0.60	108.8	0.081	<20	0.94	0.016	0.04	<0.1	4.2	0.06	<0.02	44

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Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

CERTIFICATE OF ANALYSIS VAN22003530.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
93-PMA-059-b	Rock Pulp	<0.1	<0.02	2.7	1.13	<0.1	0.17	0.42	7.6	2.2	<0.05	6.0	5.74	42.8	0.04	<1	0.2	8.5	45	25
93-PMA-0593	Till	0.3	0.03	3.9	1.63	<0.1	0.19	0.11	6.8	0.9	<0.05	8.1	8.77	20.1	0.02	<1	0.4	8.7	<10	2
93-PMA-0595	Till	0.8	0.07	3.5	0.91	<0.1	0.04	0.16	5.0	0.7	<0.05	2.6	14.26	24.4	0.03	<1	0.5	7.3	<10	3
93-PMA-0597	Till	0.3	0.06	5.2	1.95	<0.1	0.11	0.16	10.7	1.0	<0.05	5.9	11.15	35.5	0.03	<1	0.5	12.1	<10	<2
93-PMA-0599	Till	0.4	0.06	3.2	1.35	<0.1	0.14	0.11	5.5	0.7	<0.05	6.2	9.57	21.5	0.02	<1	0.3	7.1	<10	7
93-PMA-0601	Till	0.3	0.06	4.4	1.55	<0.1	0.04	0.18	7.4	1.0	<0.05	3.0	10.64	32.9	0.03	<1	0.4	10.4	<10	<2
93-PMA-0603	Till	0.6	0.08	3.8	1.22	<0.1	0.05	0.09	5.3	0.3	<0.05	3.3	12.12	26.3	0.03	<1	0.4	8.4	<10	<2
93-PMA-0604	Till	0.3	0.05	4.6	1.23	<0.1	0.09	0.08	6.7	0.3	<0.05	5.3	11.32	24.8	0.03	<1	0.5	10.1	<10	4
93-PMA-0607	Till	0.2	0.04	4.1	1.14	<0.1	0.09	0.12	5.7	0.3	<0.05	5.0	9.94	21.6	0.03	<1	0.4	9.0	<10	5
93-PMA-0611	Till	0.2	0.05	5.6	0.82	<0.1	0.07	0.09	5.4	0.3	<0.05	4.1	13.84	21.5	0.03	1	0.5	13.7	<10	<2
93-PMA-0614	Till	0.5	0.06	4.8	0.82	<0.1	0.03	0.16	4.5	0.3	<0.05	2.3	15.86	20.6	0.03	<1	0.4	9.8	<10	<2
93-PMA-0615	Till	0.5	0.04	5.4	0.79	<0.1	0.16	0.09	5.6	0.4	<0.05	6.5	11.26	19.8	0.03	2	0.4	14.4	<10	<2
93-PMA-0617	Till	0.2	0.03	4.5	0.62	<0.1	0.15	0.08	4.2	0.3	<0.05	6.5	11.98	19.1	0.03	<1	0.4	8.4	<10	<2
93-PMA-0619	Till	0.1	0.03	3.4	0.38	<0.1	0.03	0.14	2.1	0.2	<0.05	2.3	11.84	20.8	0.02	<1	0.3	7.0	<10	<2
93-PMA-0621	Till	0.2	0.05	5.1	1.00	<0.1	0.14	0.07	5.9	0.4	<0.05	6.5	12.95	22.1	0.04	<1	0.5	11.3	<10	<2
93-PMA-0621-b	Rock Pulp	0.1	<0.02	2.5	1.11	<0.1	0.16	0.38	7.5	2.1	<0.05	5.9	5.54	41.2	0.04	<1	0.2	8.9	41	23
93-PMA-0622	Till	0.2	0.02	4.1	0.53	<0.1	0.09	0.10	4.4	0.3	<0.05	5.5	12.57	28.5	0.03	<1	0.5	7.4	<10	<2
93-PMA-0623	Till	0.2	0.04	5.9	0.96	<0.1	0.18	0.10	7.4	0.4	<0.05	8.0	13.05	24.7	0.04	1	0.6	12.7	<10	<2
93-PMA-0624	Till	0.2	0.03	4.6	0.71	<0.1	0.05	0.21	5.8	0.4	<0.05	3.2	10.90	40.3	0.03	<1	0.5	8.8	<10	<2
93-PMA-0626	Till	0.3	0.06	6.2	1.47	<0.1	0.06	0.10	10.3	0.5	<0.05	3.7	22.20	33.6	0.04	<1	0.8	14.4	<10	3
93-PMA-0627	Till	0.2	0.06	5.5	1.13	<0.1	0.12	0.06	5.0	0.5	<0.05	5.9	14.78	23.5	0.04	<1	0.6	12.5	<10	<2
93-PMA-0628-1	Till	0.3	0.07	5.6	1.25	<0.1	0.20	0.05	6.2	0.4	<0.05	8.7	13.48	21.0	0.04	2	0.6	12.6	<10	2
93-PMA-0628-2	Till	0.2	0.06	6.1	1.21	<0.1	0.16	0.06	6.6	0.5	<0.05	7.9	14.65	22.9	0.04	<1	0.6	13.6	<10	<2
93-PMA-0631	Till	0.2	0.04	2.5	0.45	<0.1	0.11	0.11	3.3	0.2	<0.05	4.4	7.02	17.9	<0.02	<1	0.2	5.9	<10	<2
93-PMA-0633	Till	0.2	0.05	4.0	0.78	<0.1	0.04	0.11	5.9	0.3	<0.05	3.0	11.36	21.4	0.02	<1	0.4	8.6	<10	3
93-PMA-0635	Till	0.3	0.05	4.6	1.35	<0.1	0.12	0.06	7.3	0.3	<0.05	5.3	9.51	19.8	0.03	<1	0.4	10.5	<10	4
93-PMA-0638	Till	0.1	0.04	3.6	1.28	<0.1	0.02	0.16	9.7	0.4	<0.05	1.3	6.80	28.5	<0.02	<1	0.3	11.9	<10	<2
93-PMA-0643	Till	0.5	0.04	3.8	0.48	<0.1	0.04	0.23	4.5	0.2	<0.05	2.9	10.78	14.8	<0.02	<1	0.3	7.1	<10	<2
93-PMA-0644-1	Till	0.2	0.03	4.3	0.98	<0.1	0.17	0.11	6.3	0.3	<0.05	7.2	10.05	23.3	0.03	<1	0.4	11.0	<10	<2
93-PMA-0644-2	Till	0.1	0.02	2.8	0.47	<0.1	0.09	0.18	3.1	0.2	<0.05	4.6	8.39	19.3	<0.02	<1	0.3	6.7	<10	<2

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BUREAU VERITAS MINERAL LABORATORIES Canada

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PHONE (604) 253-3158

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

CERTIFICATE OF ANALYSIS VAN22003530.1

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y
	Unit	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3
93-PMA-0645	Till	65.70	12.84	5.69	2.76	3.05	2.48	1.42	0.84	0.26	0.12	0.015	51	912	94	65	<20	254	147	44	22
93-PMA-0646	Till	67.59	12.47	5.00	3.62	2.33	2.51	1.30	0.81	0.20	0.09	0.028	29	882	65	131	<20	218	164	50	20
93-PMA-0647	Till	65.47	13.86	5.62	2.57	2.60	2.76	1.49	0.87	0.23	0.10	0.019	37	867	78	75	<20	292	193	49	22
93-PMA-0650	Till	64.40	14.41	6.59	2.12	1.79	1.37	2.65	0.67	0.23	0.11	0.013	72	796	89	51	<20	146	289	111	34
93-PMA-0651	Till	54.19	13.18	5.37	2.82	8.75	1.24	2.58	0.64	0.18	0.08	0.012	49	761	82	39	<20	241	233	67	24
93-PMA-0652	Till	67.63	13.60	5.07	1.79	1.96	2.18	1.98	0.75	0.19	0.07	0.015	35	705	67	32	<20	235	307	87	25
93-PMA-0653	Till	67.63	13.34	5.69	1.10	2.18	3.20	1.60	0.93	0.26	0.10	0.011	41	819	73	25	<20	368	161	41	24
93-PMA-0654	Till	68.54	13.55	4.58	1.04	2.70	3.42	1.98	0.80	0.27	0.09	0.009	36	908	56	<20	<20	427	207	62	23
93-PMA-0655-1	Till	66.92	14.62	4.76	0.95	1.92	3.21	2.86	0.73	0.21	0.11	0.008	54	809	62	<20	<20	326	236	62	22
93-PMA-0655-2	Till	71.58	13.36	3.35	0.52	1.52	3.41	3.27	0.63	0.15	0.05	0.007	40	698	33	<20	<20	267	252	41	15
93-PMA-0656	Till	69.34	13.41	5.14	0.75	1.90	3.29	2.59	0.85	0.16	0.07	0.013	31	765	53	<20	<20	313	436	73	18
93-PMA-0657	Till	67.48	14.10	4.71	1.02	2.38	3.34	2.60	0.77	0.23	0.09	0.009	35	898	58	<20	<20	379	202	62	23
93-PMA-0657-b	Rock Pulp	72.12	12.11	3.79	1.65	3.42	3.49	1.47	0.37	0.13	0.06	0.008	36	462	33	26	<20	399	164	50	11
93-PMA-0658	Till	68.47	14.01	4.60	0.81	1.92	3.17	2.83	0.69	0.19	0.08	0.008	38	816	54	<20	<20	320	253	60	21
93-PMA-0659	Till	64.26	14.22	5.90	1.99	3.40	3.16	1.93	0.95	0.31	0.12	0.018	42	947	77	36	<20	489	226	62	23
93-PMA-0660	Till	67.87	13.72	4.31	1.17	1.58	2.81	2.00	0.92	0.21	0.06	0.009	31	802	71	<20	<20	307	191	44	16
93-PMA-0661	Till	59.21	15.45	7.13	2.60	3.72	2.85	1.80	0.93	0.30	0.11	0.013	71	879	78	39	<20	478	198	58	23
93-PMA-0662	Till	62.41	14.76	6.58	2.46	3.09	2.89	1.66	0.99	0.31	0.10	0.011	69	800	69	34	<20	404	182	36	23
93-PMA-0663	Till	62.34	14.35	6.19	2.21	3.57	3.12	2.05	0.94	0.33	0.11	0.015	49	990	75	45	<20	516	204	70	24
93-PMA-0664-1	Till	62.90	14.37	6.27	1.92	3.53	3.00	2.12	0.91	0.29	0.15	0.010	48	881	76	27	<20	423	261	66	24
93-PMA-0664-2	Till	60.58	15.01	6.80	2.14	3.52	2.95	2.18	0.91	0.32	0.14	0.009	47	977	89	33	<20	471	238	66	28
93-PMA-0666	Till	60.08	15.78	5.65	1.77	3.14	2.52	2.09	0.84	0.23	0.06	0.006	89	786	84	<20	<20	413	294	74	27
93-PMA-0667	Till	59.11	15.17	7.49	3.22	3.72	2.95	2.36	0.97	0.36	0.14	0.017	131	958	86	48	<20	457	219	52	18
93-PMA-0668	Till	62.61	14.62	5.97	1.70	3.20	3.08	2.28	0.89	0.31	0.10	0.011	49	1043	79	26	<20	509	223	55	24
93-PMA-0668-b	Rock Pulp	72.07	12.14	4.01	1.71	3.26	3.42	1.45	0.38	0.14	0.07	0.015	163	467	214	88	39	398	152	59	11
93-PMA-0669	Till	55.97	14.47	7.62	4.18	3.56	3.18	1.96	1.23	0.60	0.13	0.035	31	1750	81	158	<20	1241	186	119	20
93-PMA-0670-1	Till	63.06	14.02	6.40	1.81	3.64	3.22	1.99	1.03	0.32	0.13	0.015	32	991	74	33	<20	518	259	71	25
93-PMA-0670-2	Till	65.69	14.50	5.44	1.19	2.83	3.47	2.14	1.05	0.15	0.06	0.013	25	1022	57	22	<20	510	227	57	21
93-PMA-0673	Till	59.51	14.89	6.61	2.92	4.66	3.15	1.87	1.00	0.33	0.11	0.027	44	1076	76	56	<20	609	197	55	22
93-PMA-0676	Till	63.10	14.26	6.70	2.35	3.37	2.85	1.65	1.01	0.32	0.13	0.013	48	778	62	35	<20	390	196	46	22

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

CERTIFICATE OF ANALYSIS VAN22003530.1

	Method	LF300	LF300	LF300	LF300	TC000	TC000	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Nb	Sc	LOI	Sum	TOT/C	TOT/S	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
	Unit	ppm	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm
	MDL	5	1	-5.1	0.01	0.02	0.02	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5
93-PMA-0645	Till	11	16	4.6	99.93	0.40	<0.02	1.17	45.31	5.67	82.2	83	53.3	14.0	667	3.01	6.2	0.4	1.8	2.2	39.6
93-PMA-0646	Till	9	13	3.8	99.91	0.41	<0.02	0.75	24.37	3.20	51.3	26	87.0	12.4	424	2.51	4.7	0.5	1.0	2.4	19.9
93-PMA-0647	Till	11	15	4.2	99.91	0.16	<0.02	0.50	33.04	4.63	67.2	21	61.9	12.4	554	3.08	5.5	0.7	0.9	3.7	36.1
93-PMA-0650	Till	24	15	5.4	99.93	0.40	<0.02	1.10	47.15	16.36	78.7	83	46.3	14.6	717	4.03	10.3	0.9	2.3	9.0	34.1
93-PMA-0651	Till	21	13	10.7	99.92	2.14	<0.02	0.89	32.56	12.86	73.9	83	35.8	13.7	539	3.16	6.9	0.7	1.2	7.1	135.4
93-PMA-0652	Till	18	13	4.5	99.93	0.73	<0.02	0.66	16.05	8.55	54.9	69	26.0	10.1	294	2.72	4.0	0.9	1.1	4.9	18.9
93-PMA-0653	Till	8	14	3.7	99.95	0.11	<0.02	0.56	24.01	6.53	62.9	21	20.1	9.4	643	3.33	9.4	0.5	0.9	2.2	55.1
93-PMA-0654	Till	13	11	2.8	99.95	0.13	<0.02	0.50	15.19	6.32	47.0	50	13.9	7.5	563	2.49	5.1	0.6	0.6	5.0	56.2
93-PMA-0655-1	Till	20	11	3.5	99.96	0.12	<0.02	0.57	20.40	7.83	53.0	67	13.9	8.1	716	2.74	4.7	1.4	3.5	9.3	48.8
93-PMA-0655-2	Till	21	7	2.0	99.96	0.11	<0.02	0.37	9.49	4.10	25.6	7	6.5	4.0	279	1.83	2.2	1.1	0.4	6.8	23.0
93-PMA-0656	Till	18	10	2.3	99.96	0.13	<0.02	0.51	10.38	4.72	35.5	13	10.8	5.5	336	2.69	3.5	1.2	1.5	7.2	28.7
93-PMA-0657	Till	13	11	3.1	99.96	0.07	<0.02	0.66	18.32	6.12	50.3	16	15.9	7.4	524	2.68	3.8	0.9	0.8	6.8	57.1
93-PMA-0657-b	Rock Pulp	<5	9	1.2	99.95	0.07	<0.02	0.62	22.32	1.81	19.0	20	15.6	5.5	240	1.36	0.5	0.4	0.6	2.7	25.9
93-PMA-0658	Till	17	10	3.0	99.95	0.10	<0.02	0.62	19.08	6.64	44.2	22	14.1	7.0	491	2.60	4.5	1.5	3.7	7.2	45.7
93-PMA-0659	Till	16	14	3.5	99.94	0.08	<0.02	0.60	26.78	6.62	57.0	26	29.6	11.7	674	2.90	5.0	0.6	1.0	3.0	57.7
93-PMA-0660	Till	17	11	5.1	99.95	0.71	<0.02	0.75	13.83	8.23	56.2	101	16.0	6.9	336	2.25	3.8	0.6	0.3	2.0	27.6
93-PMA-0661	Till	8	17	5.6	99.92	0.12	<0.02	0.58	49.55	5.45	62.7	17	32.9	13.9	539	3.77	3.5	0.7	1.0	3.5	60.9
93-PMA-0662	Till	12	17	4.5	99.91	0.14	<0.02	0.99	48.48	4.80	55.4	12	24.7	11.9	528	3.37	4.3	0.5	2.2	2.4	44.5
93-PMA-0663	Till	8	15	4.5	99.92	0.09	<0.02	0.58	34.99	5.37	59.8	19	38.9	13.1	656	3.27	3.3	0.6	1.3	3.2	81.2
93-PMA-0664-1	Till	11	15	4.3	99.94	0.18	<0.02	0.69	28.40	7.22	60.9	92	18.5	12.9	889	3.20	4.3	0.7	1.7	4.0	51.5
93-PMA-0664-2	Till	10	16	5.1	99.93	0.14	<0.02	0.57	29.07	9.40	74.6	41	24.5	14.8	810	3.70	4.4	0.8	0.9	4.4	66.4
93-PMA-0666	Till	21	14	7.6	99.95	0.14	<0.02	0.32	22.31	10.24	60.7	12	15.0	8.6	273	2.21	4.2	2.6	0.5	8.8	64.6
93-PMA-0667	Till	9	16	4.2	99.91	0.18	<0.02	0.70	110.44	15.26	71.1	87	30.2	14.9	766	3.73	8.1	0.7	3.8	3.8	44.0
93-PMA-0668	Till	16	14	4.9	99.93	0.11	<0.02	0.81	24.86	8.19	70.1	51	24.6	12.4	601	3.43	3.8	0.8	0.4	4.0	100.1
93-PMA-0668-b	Rock Pulp	16	9	1.1	99.94	0.07	0.03	12.69	160.45	270.76	218.5	105	81.3	51.1	277	1.63	9.5	0.4	39.6	3.0	33.2
93-PMA-0669	Till	13	15	6.6	99.90	0.78	<0.02	2.20	21.44	14.39	64.3	50	123.3	22.8	765	4.28	12.2	1.5	0.7	3.0	510.0
93-PMA-0670-1	Till	16	15	4.1	99.94	0.09	<0.02	0.61	22.92	6.45	57.9	60	25.7	13.7	819	3.33	6.3	0.6	0.9	3.2	64.2
93-PMA-0670-2	Till	16	13	3.2	99.95	0.16	<0.02	0.55	15.79	4.15	45.6	21	19.0	7.6	294	2.91	3.5	0.7	0.5	2.8	55.1
93-PMA-0673	Till	13	16	4.6	99.91	0.09	<0.02	0.52	27.15	5.77	64.3	25	48.4	15.6	662	3.51	3.0	0.6	0.5	2.7	82.2
93-PMA-0676	Till	5	18	4.0	99.93	0.21	<0.02	0.93	38.84	5.20	49.4	16	24.4	14.4	723	3.46	5.2	0.5	1.1	2.5	46.1

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Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

CERTIFICATE OF ANALYSIS VAN22003530.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg
	Unit	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb
	MDL	0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5
93-PMA-0645	Till	0.38	0.46	0.10	58	0.89	0.106	10.8	45.4	1.07	234.1	0.117	<20	1.71	0.023	0.21	<0.1	6.0	0.18	<0.02	22
93-PMA-0646	Till	0.13	0.35	0.06	45	0.38	0.080	12.2	81.9	1.06	170.9	0.096	<20	1.58	0.013	0.09	<0.1	3.6	0.11	<0.02	12
93-PMA-0647	Till	0.09	0.40	0.09	59	0.49	0.102	15.1	53.3	0.90	277.8	0.124	<20	1.72	0.018	0.18	<0.1	5.8	0.21	<0.02	16
93-PMA-0650	Till	0.16	0.57	0.40	48	0.77	0.092	25.0	41.3	0.91	198.3	0.062	<20	2.16	0.014	0.31	0.1	7.4	0.26	<0.02	50
93-PMA-0651	Till	0.25	0.46	0.26	38	5.80	0.074	19.9	33.8	1.33	146.4	0.058	<20	1.62	0.014	0.22	<0.1	4.5	0.20	<0.02	31
93-PMA-0652	Till	0.11	0.20	0.27	50	0.25	0.072	16.6	39.5	0.58	73.3	0.067	<20	1.66	0.008	0.08	0.1	2.9	0.11	<0.02	15
93-PMA-0653	Till	0.10	0.62	0.09	69	0.58	0.105	15.4	27.1	0.44	192.7	0.089	<20	1.16	0.025	0.07	<0.1	6.6	0.07	<0.02	50
93-PMA-0654	Till	0.10	0.42	0.08	57	0.58	0.111	20.6	22.8	0.35	179.0	0.085	<20	0.99	0.033	0.06	<0.1	4.3	0.06	<0.02	24
93-PMA-0655-1	Till	0.11	0.38	0.11	63	0.44	0.088	23.1	25.8	0.37	153.3	0.088	<20	1.35	0.027	0.09	<0.1	6.2	0.09	<0.02	21
93-PMA-0655-2	Till	0.02	0.23	0.07	48	0.26	0.062	16.6	17.7	0.17	80.7	0.072	<20	0.78	0.017	0.05	<0.1	2.7	0.04	<0.02	<5
93-PMA-0656	Till	0.05	0.31	0.11	72	0.27	0.063	20.6	28.8	0.21	116.0	0.092	<20	1.01	0.012	0.05	<0.1	3.7	0.05	<0.02	11
93-PMA-0657	Till	0.08	0.40	0.16	65	0.56	0.095	22.6	27.4	0.39	184.9	0.100	<20	1.23	0.048	0.11	<0.1	5.3	0.09	<0.02	20
93-PMA-0657-b	Rock Pulp	0.03	0.06	0.02	19	0.57	0.052	14.3	24.3	0.42	47.0	0.063	<20	0.70	0.073	0.10	<0.1	2.3	0.06	<0.02	8
93-PMA-0658	Till	0.06	0.35	0.21	61	0.41	0.081	20.8	24.5	0.30	139.6	0.081	<20	1.17	0.026	0.08	<0.1	5.2	0.07	<0.02	32
93-PMA-0659	Till	0.13	0.35	0.08	68	0.60	0.122	16.9	35.6	0.64	153.2	0.093	<20	1.16	0.038	0.08	<0.1	5.2	0.10	<0.02	20
93-PMA-0660	Till	0.05	0.25	0.12	52	0.27	0.077	10.8	22.9	0.40	107.7	0.076	<20	1.50	0.017	0.05	<0.1	3.6	0.07	<0.02	23
93-PMA-0661	Till	0.08	0.24	0.08	90	0.70	0.119	18.9	43.4	0.89	201.1	0.148	<20	1.95	0.050	0.22	<0.1	8.7	0.17	<0.02	14
93-PMA-0662	Till	0.05	0.34	0.06	82	0.57	0.129	15.4	41.3	0.86	179.2	0.110	<20	1.70	0.024	0.14	<0.1	7.4	0.10	<0.02	9
93-PMA-0663	Till	0.11	0.26	0.07	84	0.71	0.132	19.2	44.3	0.84	169.5	0.128	<20	1.51	0.065	0.15	<0.1	7.3	0.12	<0.02	11
93-PMA-0664-1	Till	0.16	0.31	0.14	81	0.80	0.117	15.5	30.4	0.71	127.3	0.109	<20	1.45	0.030	0.13	<0.1	5.8	0.10	<0.02	15
93-PMA-0664-2	Till	0.11	0.26	0.11	89	0.81	0.136	21.4	35.7	0.92	152.9	0.122	<20	1.80	0.052	0.14	<0.1	7.9	0.13	<0.02	14
93-PMA-0666	Till	0.03	0.40	0.28	51	0.73	0.087	27.0	19.9	0.55	104.4	0.052	<20	1.26	0.019	0.08	<0.1	5.2	0.32	<0.02	27
93-PMA-0667	Till	0.12	0.28	0.22	98	0.57	0.149	13.0	56.2	1.12	150.0	0.136	<20	2.13	0.023	0.28	<0.1	5.3	0.14	<0.02	8
93-PMA-0668	Till	0.10	0.26	0.10	88	0.79	0.127	23.9	39.3	0.75	177.5	0.137	<20	1.62	0.053	0.13	<0.1	7.7	0.14	<0.02	15
93-PMA-0668-b	Rock Pulp	0.52	0.20	0.14	24	0.56	0.055	24.7	31.7	0.48	57.1	0.074	<20	0.82	0.090	0.11	<0.1	3.0	0.08	0.04	13
93-PMA-0669	Till	0.09	0.22	0.17	92	1.16	0.239	31.2	69.3	1.83	338.9	0.230	<20	2.16	0.027	0.07	0.2	6.4	0.06	<0.02	9
93-PMA-0670-1	Till	0.13	0.36	0.07	87	0.69	0.132	20.3	42.6	0.66	144.4	0.120	<20	1.14	0.039	0.11	<0.1	6.9	0.15	<0.02	20
93-PMA-0670-2	Till	0.04	0.26	0.06	81	0.41	0.059	20.5	38.9	0.46	99.5	0.143	<20	1.16	0.026	0.08	<0.1	6.8	0.12	<0.02	15
93-PMA-0673	Till	0.08	0.18	0.05	85	0.79	0.141	21.3	43.6	1.24	149.1	0.134	<20	1.36	0.074	0.09	<0.1	6.8	0.09	<0.02	12
93-PMA-0676	Till	0.08	0.39	0.07	85	0.63	0.137	16.1	41.4	0.79	194.6	0.104	<20	1.49	0.029	0.18	0.1	7.3	0.10	<0.02	12

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

CERTIFICATE OF ANALYSIS VAN22003530.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
93-PMA-0645	Till	0.2	0.04	5.2	1.24	<0.1	0.15	0.13	13.9	0.3	<0.05	7.1	9.36	21.3	0.02	<1	0.4	12.2	<10	<2
93-PMA-0646	Till	0.2	0.03	4.3	1.17	<0.1	<0.02	0.35	11.2	0.3	<0.05	1.3	5.86	29.5	<0.02	<1	0.3	12.9	<10	<2
93-PMA-0647	Till	0.1	0.04	5.5	1.54	<0.1	0.13	0.11	17.0	0.3	<0.05	6.5	10.35	30.5	0.02	<1	0.4	16.3	<10	<2
93-PMA-0650	Till	0.3	0.04	5.7	2.00	<0.1	0.06	0.16	27.2	0.5	<0.05	4.2	17.75	49.8	0.03	<1	0.8	29.4	<10	<2
93-PMA-0651	Till	0.2	0.05	4.6	1.69	<0.1	0.06	0.15	21.4	0.4	<0.05	3.4	9.43	39.1	0.02	<1	0.5	26.7	<10	<2
93-PMA-0652	Till	0.2	0.03	4.9	1.28	<0.1	0.02	0.72	16.4	0.4	<0.05	1.5	4.49	32.4	<0.02	<1	0.5	23.4	<10	<2
93-PMA-0653	Till	0.2	0.02	3.6	0.87	<0.1	0.19	0.08	4.2	0.4	<0.05	9.4	14.45	28.5	0.03	<1	0.4	7.3	<10	<2
93-PMA-0654	Till	<0.1	<0.02	3.4	0.88	<0.1	0.18	0.14	4.0	0.4	<0.05	8.3	13.08	37.6	0.02	<1	0.5	8.1	<10	<2
93-PMA-0655-1	Till	0.1	0.04	3.9	1.39	<0.1	0.23	0.12	7.6	0.4	<0.05	11.6	13.92	40.9	0.03	<1	0.7	8.8	<10	<2
93-PMA-0655-2	Till	<0.1	<0.02	2.3	0.62	<0.1	0.12	0.25	3.9	0.3	<0.05	5.8	6.23	33.7	<0.02	<1	0.3	3.9	<10	<2
93-PMA-0656	Till	<0.1	0.02	2.9	0.61	<0.1	0.20	0.20	4.3	0.4	<0.05	9.9	7.18	48.4	<0.02	<1	0.4	4.8	<10	<2
93-PMA-0657	Till	0.1	0.03	4.0	1.19	<0.1	0.28	0.10	7.7	0.5	<0.05	11.4	14.56	35.8	0.02	<1	0.5	8.6	<10	<2
93-PMA-0657-b	Rock Pulp	0.1	<0.02	2.3	0.32	<0.1	0.13	0.17	5.9	0.4	<0.05	4.5	4.76	24.4	<0.02	<1	0.2	6.2	<10	<2
93-PMA-0658	Till	0.1	0.04	3.5	1.09	<0.1	0.15	0.12	5.9	0.4	<0.05	8.1	12.23	35.1	0.02	<1	0.5	7.5	<10	<2
93-PMA-0659	Till	<0.1	0.03	3.7	1.16	<0.1	0.17	0.09	6.5	0.4	<0.05	10.5	11.20	35.1	0.02	<1	0.5	8.4	<10	<2
93-PMA-0660	Till	0.2	<0.02	4.9	1.13	<0.1	0.04	0.37	10.1	0.5	<0.05	2.2	5.59	21.2	0.02	<1	0.4	10.6	<10	<2
93-PMA-0661	Till	0.1	0.03	5.7	1.87	<0.1	0.05	0.08	20.9	0.6	<0.05	7.1	13.52	32.8	0.03	<1	0.6	12.2	<10	<2
93-PMA-0662	Till	0.3	0.03	5.5	3.21	<0.1	0.05	0.09	9.3	0.4	<0.05	4.1	11.08	27.5	0.02	<1	0.4	10.6	<10	<2
93-PMA-0663	Till	0.1	0.02	4.8	1.50	<0.1	0.07	0.08	11.3	0.5	<0.05	6.9	14.24	36.7	0.03	<1	0.6	9.6	<10	<2
93-PMA-0664-1	Till	0.2	0.06	4.8	1.19	<0.1	0.22	0.15	9.0	0.4	<0.05	11.9	11.37	31.3	0.03	<1	0.5	10.3	<10	<2
93-PMA-0664-2	Till	0.2	0.05	5.9	1.28	<0.1	0.28	0.09	10.4	0.6	<0.05	15.0	15.78	41.0	0.03	<1	0.7	11.4	<10	<2
93-PMA-0666	Till	0.1	0.03	3.7	1.69	<0.1	0.14	0.04	7.6	0.8	<0.05	14.4	17.22	51.8	0.03	<1	1.2	6.8	<10	<2
93-PMA-0667	Till	0.2	0.16	6.7	2.37	<0.1	0.09	0.12	27.2	0.4	<0.05	5.8	7.54	31.8	0.03	<1	0.6	14.4	<10	<2
93-PMA-0668	Till	<0.1	<0.02	5.7	1.42	<0.1	0.11	0.12	8.9	0.7	<0.05	7.8	14.46	45.7	0.03	<1	0.7	9.4	<10	<2
93-PMA-0668-b	Rock Pulp	0.1	<0.02	2.7	1.13	<0.1	0.16	0.33	7.4	2.2	<0.05	5.8	5.53	41.4	0.04	<1	0.2	8.8	46	25
93-PMA-0669	Till	0.1	0.04	7.1	2.10	<0.1	0.09	0.64	7.0	0.6	<0.05	8.1	12.63	96.5	0.03	<1	1.0	21.0	<10	<2
93-PMA-0670-1	Till	<0.1	0.02	3.9	1.27	<0.1	0.11	0.09	6.2	0.5	<0.05	10.4	14.62	44.9	0.03	<1	0.5	7.4	<10	<2
93-PMA-0670-2	Till	0.1	<0.02	3.6	1.06	<0.1	0.34	0.13	8.1	0.5	<0.05	18.2	12.13	41.7	0.02	<1	0.4	5.3	<10	<2
93-PMA-0673	Till	<0.1	<0.02	4.5	1.16	<0.1	0.22	0.08	6.8	0.6	<0.05	14.8	14.69	44.7	0.02	<1	0.6	7.3	<10	<2
93-PMA-0676	Till	0.2	0.03	4.7	3.13	<0.1	0.08	0.12	10.5	0.4	<0.05	5.8	10.07	31.5	0.02	<1	0.5	8.5	<10	<2

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

CERTIFICATE OF ANALYSIS VAN22003530.1

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y
	Unit	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3
93-PMA-0677	Till	64.05	13.99	6.38	2.63	2.31	2.75	1.89	1.17	0.18	0.08	0.016	60	842	66	53	<20	321	189	59	21
93-PMA-0678	Till	59.72	14.81	7.08	2.40	3.91	3.03	1.93	1.02	0.38	0.14	0.012	45	1067	86	54	<20	613	215	70	24
93-PMA-0679	Till	58.92	15.12	6.71	2.38	3.78	2.93	1.96	1.02	0.37	0.09	0.014	39	1071	79	44	<20	563	223	73	23
93-PMA-0680	Till	62.99	13.63	6.37	1.81	3.22	2.98	1.78	0.95	0.31	0.14	0.013	26	879	70	37	<20	465	249	67	21
93-PMA-0681	Till	62.98	15.21	6.67	1.51	1.51	2.41	1.81	0.82	0.21	0.19	0.012	48	944	97	41	<20	264	164	51	30
93-PMA-0682	Till	53.06	16.78	8.42	4.08	2.53	1.45	4.37	1.22	0.35	0.11	0.002	24	626	83	<20	<20	198	216	39	40
93-PMA-0684	Till	58.69	15.43	6.90	1.95	2.51	2.20	1.66	0.96	0.25	0.07	0.013	41	983	81	48	<20	407	201	73	32
93-PMA-0685	Till	63.27	15.72	5.19	1.24	3.18	3.39	2.18	0.91	0.20	0.07	0.010	25	1111	64	<20	<20	505	198	71	15
93-PMA-0686-1	Till	60.21	14.66	6.57	2.38	3.46	2.83	1.88	0.91	0.33	0.14	0.011	40	1108	88	38	<20	499	210	68	23
93-PMA-0687	Till	61.48	15.02	6.44	1.78	3.51	3.13	1.84	1.03	0.32	0.13	0.015	32	1150	87	31	<20	550	213	42	22
93-PMA-0689	Till	59.57	15.35	6.66	1.90	3.73	3.16	2.03	0.99	0.35	0.11	0.011	33	1197	93	38	<20	664	209	63	21
93-PMA-0690-1	Till	62.39	14.97	6.20	1.63	4.10	3.53	1.80	1.05	0.32	0.11	0.015	29	1212	77	33	<20	722	191	63	19
93-PMA-0690-2	Till	61.99	15.17	6.33	1.62	3.98	3.52	1.95	1.06	0.35	0.11	0.015	27	1227	84	38	<20	724	196	35	19
93-PMA-0690-3	Till	61.71	15.06	6.44	1.59	3.92	3.48	1.88	1.05	0.34	0.09	0.017	30	1203	82	33	<20	711	197	60	21
93-PMA-0691	Till	63.87	15.39	4.46	1.26	3.30	3.70	2.31	1.14	0.36	0.06	0.013	17	1316	65	28	<20	629	199	54	16
93-PMA-0693	Till	66.22	13.87	5.52	1.25	2.38	3.20	1.58	0.92	0.24	0.10	0.013	24	894	68	28	<20	404	170	39	25
93-PMA-0693-b	Rock Pulp	72.23	11.85	3.88	1.67	3.23	3.43	1.42	0.37	0.12	0.06	0.017	152	450	223	88	50	385	158	55	10
93-PMA-0694-1	Till	61.22	13.77	6.14	1.67	4.68	2.80	1.63	0.86	0.24	0.15	0.018	39	905	80	41	<20	358	160	34	22
93-PMA-0694-2	Till	64.70	13.21	5.54	1.39	3.80	3.07	1.51	0.89	0.24	0.12	0.014	30	772	78	30	<20	351	156	40	21
93-PMA-0694-3	Till	66.77	13.24	5.40	1.27	3.20	3.22	1.48	0.92	0.26	0.11	0.015	26	855	72	31	<20	392	189	51	20
93-PMA-0694-4	Till	67.13	12.99	5.39	1.30	3.20	3.16	1.45	0.91	0.25	0.11	0.016	27	844	72	33	<20	381	175	37	21
93-PMA-0695	Till	60.45	15.20	6.69	2.20	2.80	2.65	1.66	0.90	0.23	0.16	0.015	39	844	79	38	<20	336	156	57	24
93-PMA-0698	Till	63.41	16.23	5.95	1.09	1.36	0.83	1.31	0.97	0.14	0.12	0.034	52	988	101	129	24	217	168	51	24
93-PMA-0700	Till	62.74	15.39	6.70	1.33	1.49	1.81	1.50	0.90	0.20	0.11	0.023	57	968	107	82	<20	300	162	49	26
93-PMA-0703-1	Till	57.49	15.26	7.70	2.69	3.59	2.39	1.53	0.96	0.31	0.20	0.021	51	1104	103	95	29	514	193	67	22
93-PMA-0703-2	Till	58.90	16.66	7.40	1.91	1.42	1.97	1.85	0.81	0.18	0.14	0.014	59	913	116	57	22	250	149	41	27
93-PMA-0705	Till	61.82	14.86	6.99	1.56	2.06	2.36	1.65	0.88	0.25	0.15	0.016	49	944	95	57	22	368	172	58	26
93-PMA-0706	Till	61.22	16.00	6.92	1.67	1.31	2.23	1.60	0.84	0.14	0.13	0.013	46	822	92	42	<20	259	151	47	24
93-PMA-0707	Till	68.79	12.84	5.42	0.98	1.85	3.17	1.56	0.99	0.23	0.08	0.013	22	859	63	29	<20	377	193	47	16
93-PMA-0708	Till	71.47	12.39	3.74	0.86	1.23	3.09	1.30	0.91	0.17	0.04	0.009	17	685	57	21	<20	304	165	39	15

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3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

CERTIFICATE OF ANALYSIS VAN22003530.1

	Method	LF300	LF300	LF300	LF300	TC000	TC000	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Nb	Sc	LOI	Sum	TOT/C	TOT/S	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
	Unit	ppm	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm
	MDL	5	1	-5.1	0.01	0.02	0.02	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5
93-PMA-0677	Till	15	16	4.3	99.92	0.25	<0.02	1.12	48.88	4.30	53.5	9	33.6	13.9	431	3.44	6.1	0.5	0.7	2.3	33.3
93-PMA-0678	Till	14	16	5.3	99.93	0.08	<0.02	0.56	34.69	6.48	75.8	23	42.4	17.1	939	3.99	3.2	0.6	1.6	3.3	79.7
93-PMA-0679	Till	12	16	6.4	99.93	0.14	<0.02	0.40	31.31	6.51	69.1	11	39.4	15.1	531	3.96	2.5	0.7	0.5	3.4	71.3
93-PMA-0680	Till	8	18	5.5	99.93	0.40	<0.02	0.94	16.67	6.14	57.0	85	28.1	17.5	924	3.56	4.2	0.9	0.6	2.6	50.4
93-PMA-0681	Till	6	18	6.4	99.94	0.53	<0.02	0.94	38.96	11.02	85.5	47	36.8	15.5	1416	4.14	15.3	0.5	1.5	2.4	54.2
93-PMA-0682	Till	7	29	7.4	99.91	0.10	<0.02	0.38	8.25	7.29	60.3	69	9.4	17.7	644	4.39	34.6	0.9	1.4	3.2	40.1
93-PMA-0684	Till	8	18	9.1	99.92	0.48	<0.02	0.45	34.68	7.22	69.3	36	38.1	13.4	486	4.14	7.2	1.0	1.0	4.1	105.8
93-PMA-0685	Till	9	12	4.4	99.94	0.23	<0.02	0.65	16.12	4.92	47.8	13	14.1	7.3	382	2.77	2.5	0.8	0.6	3.5	47.3
93-PMA-0686-1	Till	9	15	6.3	99.92	0.13	<0.02	0.48	29.69	6.73	71.2	25	29.9	15.3	870	3.58	5.0	0.6	1.3	3.4	96.6
93-PMA-0687	Till	11	15	5.0	99.94	0.12	<0.02	0.49	24.37	9.52	64.7	35	25.2	12.4	779	3.21	4.8	0.6	1.0	2.9	82.0
93-PMA-0689	Till	11	15	5.8	99.93	0.13	<0.02	0.50	27.04	6.84	71.5	39	26.0	13.1	690	3.22	7.0	0.6	0.8	3.3	95.7
93-PMA-0690-1	Till	<5	13	3.6	99.95	0.07	<0.02	0.51	21.76	5.96	56.9	55	20.7	10.0	611	2.82	6.5	0.5	0.8	2.5	70.8
93-PMA-0690-2	Till	8	14	3.6	99.93	0.07	<0.02	0.49	22.37	5.80	61.1	45	20.9	10.5	616	2.86	7.6	0.5	0.8	2.4	71.7
93-PMA-0690-3	Till	11	14	4.1	99.94	0.10	<0.02	0.50	24.65	6.07	60.1	39	22.5	10.1	522	3.04	6.3	0.6	0.8	2.7	78.4
93-PMA-0691	Till	10	11	3.8	99.95	0.43	0.03	0.31	8.65	6.20	42.2	48	11.5	5.6	257	1.78	1.9	0.5	0.5	2.1	65.5
93-PMA-0693	Till	10	14	4.5	99.95	0.18	<0.02	0.38	20.99	6.06	55.8	22	21.6	9.1	626	2.97	8.9	0.5	11.8	2.2	56.3
93-PMA-0693-b	Rock Pulp	15	8	1.5	99.96	0.06	0.06	11.71	155.72	265.08	204.1	105	76.1	49.4	252	1.47	9.2	0.4	37.0	3.0	26.1
93-PMA-0694-1	Till	10	15	6.6	99.94	0.72	0.02	0.46	34.21	6.86	64.2	94	32.1	13.6	972	3.12	9.1	0.4	0.8	2.0	66.5
93-PMA-0694-2	Till	6	14	5.3	99.96	0.48	<0.02	0.49	26.32	6.76	66.3	46	22.7	11.0	775	2.98	9.9	0.3	0.8	1.7	69.0
93-PMA-0694-3	Till	6	13	3.9	99.96	0.25	<0.02	0.43	21.65	5.93	58.7	44	20.8	10.0	674	2.79	9.0	0.3	0.6	1.7	56.5
93-PMA-0694-4	Till	7	13	3.9	99.96	0.27	<0.02	0.41	21.60	5.85	58.9	42	20.9	9.8	673	2.72	8.4	0.3	0.4	1.6	62.6
93-PMA-0695	Till	7	19	6.8	99.94	0.24	0.03	0.45	33.25	7.62	64.6	26	29.5	15.6	1106	3.60	10.2	0.4	1.0	2.2	74.2
93-PMA-0698	Till	10	19	8.3	99.95	0.47	<0.02	0.58	47.36	5.84	75.0	133	98.3	24.8	850	3.24	25.0	0.5	2.9	1.7	44.9
93-PMA-0700	Till	10	19	7.6	99.96	0.37	0.02	0.71	49.89	7.86	88.3	72	60.7	16.6	778	3.70	23.0	0.5	1.3	2.3	55.2
93-PMA-0703-1	Till	10	19	7.5	99.93	0.19	0.03	0.52	43.53	7.30	80.6	51	72.9	23.4	1358	3.93	7.5	0.5	0.7	3.6	67.8
93-PMA-0703-2	Till	9	20	8.5	99.94	0.50	<0.02	0.57	51.65	11.32	98.5	102	46.5	17.6	1020	4.13	14.7	0.4	1.0	2.2	54.5
93-PMA-0705	Till	12	18	7.2	99.96	0.33	0.02	0.52	42.10	8.48	78.1	83	44.8	16.9	1067	3.71	13.3	0.5	9.7	2.4	49.6
93-PMA-0706	Till	9	19	7.7	99.94	0.57	0.02	0.53	40.24	8.70	77.0	95	33.6	13.4	857	3.89	13.3	0.4	1.3	1.9	41.7
93-PMA-0707	Till	9	12	3.9	99.97	0.26	<0.02	0.51	17.84	6.58	49.7	19	19.1	8.6	474	2.86	7.9	0.4	1.1	1.8	37.5
93-PMA-0708	Till	11	10	4.6	99.98	0.79	<0.02	0.48	11.73	4.84	44.8	87	13.4	5.3	229	2.04	4.4	0.4	0.4	0.8	23.5

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.

BUREAU VERITAS MINERAL LABORATORIES Canada

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

CERTIFICATE OF ANALYSIS VAN22003530.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg
	Unit	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb
	MDL	0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5
93-PMA-0677	Till	0.04	0.37	0.07	80	0.36	0.071	16.0	58.7	0.94	139.0	0.126	<20	1.64	0.015	0.17	<0.1	5.9	0.14	<0.02	6
93-PMA-0678	Till	0.12	0.19	0.07	92	0.84	0.162	24.0	47.7	1.10	175.7	0.128	<20	1.50	0.049	0.12	<0.1	9.6	0.09	<0.02	21
93-PMA-0679	Till	0.11	0.18	0.07	89	0.90	0.153	24.4	55.4	1.14	205.7	0.143	<20	1.86	0.055	0.13	<0.1	9.9	0.10	<0.02	12
93-PMA-0680	Till	0.09	0.25	0.06	84	0.70	0.119	18.7	38.1	0.76	107.7	0.110	<20	1.30	0.030	0.10	<0.1	10.9	0.12	<0.02	15
93-PMA-0681	Till	0.38	0.70	0.14	66	0.53	0.085	18.2	29.1	0.68	417.9	0.056	<20	1.91	0.022	0.13	<0.1	10.2	0.14	<0.02	87
93-PMA-0682	Till	0.08	0.44	0.16	55	1.08	0.137	19.1	6.4	1.33	126.1	0.371	<20	1.59	0.014	0.36	0.1	13.4	0.13	<0.02	6
93-PMA-0684	Till	0.05	0.69	0.10	78	0.78	0.103	31.9	46.3	0.84	344.0	0.107	<20	2.47	0.033	0.14	<0.1	11.4	0.14	<0.02	95
93-PMA-0685	Till	0.06	0.32	0.06	70	0.40	0.073	13.5	29.3	0.34	192.1	0.162	<20	1.37	0.038	0.13	<0.1	6.3	0.11	<0.02	14
93-PMA-0686-1	Till	0.13	0.42	0.08	83	0.83	0.121	20.6	34.1	0.91	286.1	0.148	<20	1.77	0.071	0.18	<0.1	8.2	0.14	<0.02	35
93-PMA-0687	Till	0.14	0.33	0.07	79	0.68	0.120	18.9	36.5	0.60	263.2	0.136	<20	1.46	0.054	0.13	0.1	7.7	0.11	<0.02	29
93-PMA-0689	Till	0.19	0.59	0.08	82	0.75	0.132	20.2	32.3	0.70	225.2	0.117	<20	1.34	0.048	0.11	<0.1	7.6	0.16	<0.02	48
93-PMA-0690-1	Till	0.13	0.72	0.08	81	0.62	0.120	16.6	29.4	0.43	206.2	0.113	<20	0.94	0.044	0.06	<0.1	4.9	0.11	<0.02	58
93-PMA-0690-2	Till	0.15	0.72	0.08	83	0.64	0.131	16.6	29.6	0.44	199.4	0.114	<20	0.94	0.042	0.07	<0.1	5.1	0.09	<0.02	81
93-PMA-0690-3	Till	0.10	0.70	0.09	85	0.65	0.130	18.0	32.8	0.46	213.0	0.117	<20	1.02	0.043	0.07	<0.1	6.0	0.10	<0.02	81
93-PMA-0691	Till	0.04	0.23	0.07	47	0.43	0.140	15.4	24.4	0.30	180.9	0.135	<20	1.01	0.023	0.06	<0.1	3.1	0.04	<0.02	23
93-PMA-0693	Till	0.08	0.60	0.08	66	0.54	0.098	15.2	28.9	0.48	230.3	0.095	<20	1.27	0.025	0.08	<0.1	6.8	0.09	<0.02	34
93-PMA-0693-b	Rock Pulp	0.47	0.17	0.13	20	0.47	0.053	23.8	28.2	0.42	53.7	0.062	<20	0.70	0.072	0.10	<0.1	2.4	0.08	0.04	12
93-PMA-0694-1	Till	0.20	0.50	0.10	63	2.19	0.096	13.1	27.1	0.68	308.8	0.057	<20	1.32	0.026	0.08	<0.1	6.8	0.09	<0.02	65
93-PMA-0694-2	Till	0.21	0.61	0.09	60	1.70	0.095	11.5	24.5	0.56	214.1	0.068	<20	1.17	0.024	0.07	<0.1	5.8	0.07	<0.02	55
93-PMA-0694-3	Till	0.19	0.57	0.07	61	1.06	0.098	11.1	23.7	0.46	230.2	0.074	<20	1.00	0.026	0.06	<0.1	5.0	0.06	<0.02	33
93-PMA-0694-4	Till	0.19	0.50	0.08	59	1.13	0.097	11.2	23.7	0.48	230.7	0.073	<20	1.04	0.028	0.06	<0.1	4.9	0.06	<0.02	42
93-PMA-0695	Till	0.11	0.62	0.08	78	0.95	0.085	14.9	28.7	0.91	304.8	0.100	<20	2.10	0.050	0.10	<0.1	9.6	0.10	<0.02	64
93-PMA-0698	Till	0.33	1.73	0.11	62	0.73	0.039	7.2	54.2	0.43	332.7	0.018	<20	0.89	0.008	0.08	<0.1	9.9	0.24	<0.02	101
93-PMA-0700	Till	0.16	0.73	0.13	66	0.48	0.074	13.3	40.1	0.53	299.6	0.042	<20	1.42	0.016	0.10	<0.1	9.8	0.18	<0.02	151
93-PMA-0703-1	Till	0.17	0.26	0.10	84	0.74	0.111	20.3	46.0	1.02	268.7	0.117	<20	1.79	0.058	0.12	<0.1	9.8	0.20	<0.02	33
93-PMA-0703-2	Till	0.11	0.75	0.16	72	0.55	0.070	13.3	36.1	0.84	289.1	0.037	<20	2.13	0.022	0.13	<0.1	10.0	0.12	<0.02	83
93-PMA-0705	Till	0.18	0.59	0.11	71	0.58	0.091	16.1	36.3	0.65	232.4	0.058	<20	1.57	0.021	0.12	<0.1	9.7	0.15	<0.02	54
93-PMA-0706	Till	0.12	0.68	0.13	68	0.41	0.052	11.6	34.1	0.72	216.4	0.053	<20	1.98	0.027	0.09	<0.1	9.4	0.11	<0.02	74
93-PMA-0707	Till	0.06	0.67	0.07	71	0.40	0.090	12.3	32.0	0.39	137.9	0.108	<20	1.12	0.015	0.07	<0.1	5.2	0.06	<0.02	30
93-PMA-0708	Till	0.05	0.31	0.07	41	0.26	0.064	8.4	16.7	0.33	112.3	0.059	<20	1.11	0.009	0.05	<0.1	3.1	0.05	<0.02	19

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BUREAU VERITAS MINERAL LABORATORIES Canada

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	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
93-PMA-0677	Till	<0.1	0.03	5.0	3.25	<0.1	0.06	0.13	13.1	0.4	<0.05	3.8	7.47	41.2	0.02	<1	0.4	13.2	<10	<2
93-PMA-0678	Till	0.2	0.02	5.1	1.19	<0.1	0.02	0.04	9.7	0.6	<0.05	5.0	17.76	49.2	0.03	<1	0.7	10.2	<10	<2
93-PMA-0679	Till	<0.1	<0.02	6.2	1.55	<0.1	0.03	0.06	10.3	0.7	<0.05	5.5	17.07	45.4	0.03	<1	0.7	12.1	<10	<2
93-PMA-0680	Till	0.2	<0.02	4.2	1.87	<0.1	0.08	0.09	13.6	0.6	<0.05	13.2	14.12	47.1	0.03	<1	0.6	8.4	<10	<2
93-PMA-0681	Till	0.2	0.05	5.3	1.63	<0.1	0.08	0.12	8.7	0.5	<0.05	5.6	19.87	33.2	0.04	<1	0.8	12.6	<10	<2
93-PMA-0682	Till	0.1	0.11	4.2	2.78	<0.1	0.49	0.20	16.0	1.1	<0.05	25.4	21.28	33.7	0.11	<1	0.7	18.2	<10	<2
93-PMA-0684	Till	0.2	0.02	6.6	2.48	<0.1	0.23	0.07	21.0	0.7	<0.05	20.3	25.60	47.7	0.04	<1	1.2	10.4	<10	<2
93-PMA-0685	Till	<0.1	<0.02	3.7	0.95	<0.1	0.33	0.17	19.7	0.6	<0.05	29.2	8.59	45.4	0.02	<1	0.5	6.0	<10	<2
93-PMA-0686-1	Till	<0.1	0.02	5.2	1.22	<0.1	<0.02	0.07	18.1	0.6	<0.05	4.9	16.54	42.3	0.03	<1	0.8	10.6	<10	<2
93-PMA-0687	Till	0.1	<0.02	4.1	0.76	<0.1	0.06	0.06	10.2	0.5	<0.05	9.6	14.80	37.5	0.03	<1	0.6	7.2	<10	<2
93-PMA-0689	Till	<0.1	0.03	3.9	1.14	<0.1	0.11	0.05	8.4	0.5	<0.05	14.0	14.27	43.5	0.03	<1	0.6	6.8	<10	<2
93-PMA-0690-1	Till	0.1	<0.02	2.9	0.75	<0.1	0.18	0.04	4.1	0.4	<0.05	13.1	11.25	36.9	0.02	<1	0.4	4.8	<10	<2
93-PMA-0690-2	Till	<0.1	0.03	3.0	0.82	<0.1	0.08	0.04	5.1	0.4	<0.05	9.0	11.68	35.3	0.02	<1	0.4	4.8	<10	<2
93-PMA-0690-3	Till	0.1	<0.02	3.2	0.86	<0.1	0.14	0.05	4.7	0.4	<0.05	11.6	13.50	37.2	0.03	<1	0.5	5.2	<10	<2
93-PMA-0691	Till	0.2	<0.02	3.0	0.58	<0.1	0.14	0.47	7.3	0.4	<0.05	9.9	7.78	31.1	<0.02	<1	0.3	4.8	<10	<2
93-PMA-0693	Till	0.1	<0.02	3.5	1.23	<0.1	0.34	0.06	6.8	0.4	<0.05	17.6	15.41	29.1	0.02	<1	0.5	7.3	<10	<2
93-PMA-0693-b	Rock Pulp	<0.1	<0.02	2.2	1.08	<0.1	0.17	0.31	6.6	1.8	<0.05	5.3	4.75	39.4	0.03	<1	0.2	7.9	44	26
93-PMA-0694-1	Till	0.2	0.03	3.7	1.06	<0.1	0.21	0.08	5.0	0.4	<0.05	11.2	12.36	27.0	0.03	<1	0.5	8.1	<10	<2
93-PMA-0694-2	Till	0.2	0.03	3.4	0.95	<0.1	0.25	0.06	4.5	0.3	<0.05	10.3	10.95	24.3	0.03	<1	0.4	8.4	<10	<2
93-PMA-0694-3	Till	0.1	<0.02	3.0	0.76	<0.1	0.22	0.05	4.0	0.3	<0.05	9.7	10.34	23.4	0.02	<1	0.3	6.7	<10	<2
93-PMA-0694-4	Till	0.2	<0.02	3.0	0.79	<0.1	0.23	0.04	4.1	0.3	<0.05	9.5	10.51	23.6	0.02	<1	0.4	7.0	<10	<2
93-PMA-0695	Till	0.2	<0.02	5.6	1.46	<0.1	0.25	0.06	6.7	0.5	<0.05	13.2	14.86	30.7	0.03	<1	0.6	14.0	<10	<2
93-PMA-0698	Till	0.3	0.05	2.9	6.35	<0.1	0.16	0.02	8.1	0.4	<0.05	6.2	10.23	15.9	0.04	<1	0.7	7.6	<10	<2
93-PMA-0700	Till	0.2	0.04	4.3	2.53	<0.1	0.27	0.04	8.8	0.4	<0.05	12.4	14.85	24.8	0.04	<1	0.8	9.7	<10	<2
93-PMA-0703-1	Till	<0.1	0.02	4.9	1.39	<0.1	0.04	0.05	13.0	0.6	<0.05	7.9	14.95	45.2	0.04	<1	0.9	10.3	<10	<2
93-PMA-0703-2	Till	0.2	0.06	6.0	1.87	<0.1	0.17	0.04	8.1	0.4	<0.05	8.0	16.38	21.9	0.05	<1	0.7	15.8	<10	<2
93-PMA-0705	Till	<0.1	0.04	4.4	1.60	<0.1	0.21	0.04	9.4	0.4	<0.05	15.1	16.62	30.9	0.04	<1	0.7	9.9	<10	<2
93-PMA-0706	Till	<0.1	0.04	5.6	1.42	<0.1	0.08	0.17	6.1	0.4	<0.05	5.2	12.64	23.0	0.04	<1	0.6	12.9	<10	<2
93-PMA-0707	Till	<0.1	<0.02	3.6	0.75	<0.1	0.18	0.16	5.6	0.4	<0.05	11.0	7.19	29.6	0.02	<1	0.4	5.8	<10	<2
93-PMA-0708	Till	<0.1	<0.02	3.5	0.75	<0.1	<0.02	0.40	6.2	0.3	<0.05	1.1	5.07	17.4	<0.02	<1	0.3	9.0	<10	<2

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BUREAU VERITAS MINERAL LABORATORIES Canada

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

CERTIFICATE OF ANALYSIS VAN22003530.1

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y
	Unit	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3
93-PMA-0709	Till	67.21	13.72	5.78	1.06	1.78	2.86	1.48	0.86	0.23	0.10	0.012	38	731	79	28	<20	319	196	50	24
93-PMA-0710	Till	64.73	14.49	6.12	1.44	1.64	2.92	1.69	0.86	0.22	0.13	0.011	32	845	88	29	<20	300	176	49	25
93-PMA-0711	Till	68.35	13.63	4.90	1.21	1.31	3.05	1.47	0.93	0.18	0.06	0.012	27	760	64	22	<20	301	182	44	18
93-PMA-0712-1	Till	66.06	13.87	5.84	1.35	1.89	3.06	1.57	0.87	0.25	0.13	0.011	32	799	87	28	<20	334	177	46	22
93-PMA-0713-2	Till	65.78	14.16	5.82	1.37	1.63	3.10	1.66	0.89	0.18	0.11	0.010	35	772	76	25	<20	316	182	44	21
93-PMA-0715	Till	63.80	13.48	5.64	1.53	3.54	2.83	1.47	0.83	0.25	0.12	0.011	34	781	88	35	<20	366	163	51	20
93-PMA-0716	Till	67.42	13.53	5.56	1.20	2.04	2.83	1.44	0.89	0.25	0.11	0.011	34	777	80	27	<20	367	185	51	21
93-PMA-0717	Till	60.49	14.92	7.49	2.02	2.63	2.64	1.61	1.02	0.30	0.13	0.014	58	897	127	53	<20	397	184	60	28
93-PMA-0718	Till	60.99	14.33	6.85	1.86	2.97	2.69	1.75	0.97	0.34	0.11	0.015	37	1069	87	49	<20	518	214	65	25
93-PMA-0719	Till	62.69	14.35	6.71	1.91	3.00	3.05	1.70	1.00	0.31	0.12	0.014	33	976	86	38	<20	456	189	64	23
93-PMA-0720	Till	60.38	14.94	6.90	2.07	2.79	2.88	2.04	1.02	0.38	0.12	0.014	35	1153	88	47	<20	493	260	87	26
93-PMA-0721	Till	59.91	14.79	6.86	2.03	3.18	2.96	2.00	1.02	0.35	0.10	0.012	82	1130	85	44	<20	582	211	81	26
93-PMA-0722	Till	64.02	14.41	6.25	1.44	2.24	2.84	1.82	0.95	0.28	0.13	0.013	61	921	85	36	<20	410	210	63	23
93-PMA-0723	Till	64.11	13.98	6.05	1.67	3.18	3.06	1.81	0.97	0.32	0.11	0.014	48	995	79	38	<20	501	193	70	21
93-PMA-0724	Till	64.45	14.12	6.35	1.54	2.71	2.96	1.76	0.97	0.27	0.10	0.013	67	946	83	36	<20	432	188	61	23
93-PMA-0724-b	Rock Pulp	72.02	12.08	3.82	1.66	3.43	3.42	1.44	0.38	0.13	0.06	0.007	24	471	33	32	<20	402	151	32	11
93-PMA-0725	Till	60.75	14.99	7.35	2.05	2.59	2.65	1.90	1.03	0.29	0.12	0.012	42	985	151	29	<20	407	220	61	21
93-PMA-0726	Till	58.25	15.44	7.83	2.39	3.33	2.48	1.76	1.02	0.34	0.13	0.008	28	858	123	27	<20	368	210	43	20
93-PMA-0727	Till	63.42	14.28	6.07	1.69	2.93	2.93	1.71	1.09	0.28	0.10	0.010	22	913	83	24	<20	388	210	46	19
93-PMA-0728	Till	61.95	15.23	6.24	1.83	2.46	2.87	2.40	0.80	0.27	0.12	0.008	42	1056	79	25	<20	397	225	53	30
93-PMA-0729	Till	60.21	15.28	6.19	1.93	2.90	2.58	2.06	0.82	0.29	0.12	0.009	39	1066	80	28	<20	453	211	61	23
93-PMA-0730	Till	66.20	14.47	5.33	1.20	2.23	3.33	2.13	1.05	0.23	0.07	0.010	22	1073	59	26	<20	473	219	62	19
93-PMA-0731	Till	62.59	14.50	5.85	1.60	3.66	2.90	2.06	0.84	0.28	0.13	0.010	35	979	82	31	<20	408	193	57	23
93-PMA-0732	Till	65.59	14.40	5.66	1.04	2.53	3.26	2.04	0.97	0.33	0.12	0.008	34	1007	78	21	<20	457	171	73	26
93-PMA-0733	Till	62.86	15.46	5.80	1.52	2.50	3.11	2.58	0.88	0.34	0.11	0.010	36	1103	92	29	<20	445	223	83	25
93-PMA-0735	Till	64.27	14.78	6.66	1.35	1.31	2.15	1.59	0.92	0.16	0.10	0.019	49	1119	97	61	<20	284	164	39	28
93-PMA-0737	Till	63.65	14.48	6.56	1.46	1.50	2.13	1.63	0.89	0.23	0.08	0.015	42	994	98	51	<20	314	152	41	24
94-PMA-0009-3	Till	60.25	15.81	6.92	2.59	2.18	2.08	1.94	0.79	0.20	0.13	0.016	54	913	118	70	<20	240	138	41	22
94-PMA-0009-4	Till	60.04	15.61	6.82	2.68	2.38	2.04	1.90	0.78	0.20	0.13	0.017	56	920	118	76	20	240	138	41	22
94-PMA-0009-5	Till	60.34	15.42	6.87	2.73	2.29	2.07	1.89	0.78	0.19	0.12	0.016	56	895	117	79	<20	232	139	31	22

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BUREAU VERITAS MINERAL LABORATORIES Canada

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

CERTIFICATE OF ANALYSIS VAN22003530.1

	Method	LF300	LF300	LF300	LF300	TC000	TC000	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Nb	Sc	LOI	Sum	TOT/C	TOT/S	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
	Unit	ppm	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm
	MDL	5	1	-5.1	0.01	0.02	0.02	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5
93-PMA-0709	Till	8	15	4.7	99.96	0.18	<0.02	0.62	31.11	8.42	66.6	23	19.0	9.6	685	3.15	12.9	0.5	2.4	2.1	39.2
93-PMA-0710	Till	<5	16	5.5	99.96	0.22	<0.02	0.77	26.47	10.70	74.0	47	19.2	10.7	882	3.34	9.5	0.5	1.1	2.1	47.7
93-PMA-0711	Till	5	13	4.7	99.96	0.21	<0.02	0.43	19.05	7.00	51.7	27	14.7	7.3	387	2.67	7.0	0.5	1.0	1.7	34.1
93-PMA-0712-1	Till	10	15	4.9	99.96	0.12	<0.02	0.63	26.82	9.51	73.4	54	20.6	12.1	915	3.24	12.5	0.4	0.9	1.9	42.9
93-PMA-0713-2	Till	8	16	5.1	99.96	0.24	<0.02	0.61	28.02	9.27	63.2	48	18.4	11.2	789	3.23	10.1	0.5	1.1	2.1	41.5
93-PMA-0715	Till	<5	14	6.3	99.95	0.52	<0.02	0.64	27.67	8.07	73.4	61	22.6	12.1	811	3.04	11.6	0.4	1.1	1.8	77.9
93-PMA-0716	Till	8	14	4.5	99.97	0.17	<0.02	0.56	26.94	7.55	69.8	70	21.9	11.3	724	3.11	10.5	0.4	58.6	1.9	45.6
93-PMA-0717	Till	10	19	6.5	99.94	0.24	<0.02	0.60	52.09	7.07	109.1	38	39.3	15.3	858	4.02	12.6	0.6	1.6	2.5	60.1
93-PMA-0718	Till	14	16	6.8	99.93	0.20	<0.02	0.43	31.83	6.75	71.1	55	35.1	14.5	775	3.60	6.7	0.7	0.7	3.5	71.4
93-PMA-0719	Till	12	16	4.9	99.94	0.10	<0.02	0.41	29.15	5.76	68.4	22	29.9	13.2	748	3.47	7.1	0.4	0.7	2.5	59.4
93-PMA-0720	Till	12	15	6.2	99.94	0.14	<0.02	0.57	28.09	7.78	72.8	25	34.3	14.3	832	3.68	4.1	0.7	0.7	3.4	100.9
93-PMA-0721	Till	12	16	6.5	99.93	0.19	<0.02	0.42	31.77	8.89	71.1	52	33.5	13.9	658	3.65	4.8	0.7	0.8	3.4	90.0
93-PMA-0722	Till	11	15	5.4	99.95	0.18	<0.02	0.58	30.84	8.24	71.1	64	27.5	12.8	868	3.34	8.7	0.4	1.0	2.4	58.7
93-PMA-0723	Till	14	14	4.4	99.93	0.17	<0.02	0.45	25.42	6.78	63.0	26	26.4	11.7	673	3.10	6.5	0.5	0.9	2.5	77.0
93-PMA-0724	Till	9	15	4.5	99.94	0.19	<0.02	0.48	28.81	6.84	65.1	31	22.8	10.2	567	3.13	6.5	0.8	0.9	3.0	46.0
93-PMA-0724-b	Rock Pulp	11	9	1.4	99.96	0.07	<0.02	0.61	22.56	1.87	19.4	22	15.5	5.4	239	1.34	0.4	0.4	0.9	2.6	24.0
93-PMA-0725	Till	17	17	6.0	99.93	0.41	0.03	0.60	35.49	52.99	134.8	21	20.9	13.7	712	3.95	4.7	0.8	0.8	3.5	75.4
93-PMA-0726	Till	12	18	6.7	99.91	0.64	0.02	0.56	25.64	8.26	102.9	29	20.3	15.2	668	4.09	4.6	0.6	1.0	2.9	46.5
93-PMA-0727	Till	17	15	5.2	99.93	0.72	<0.02	0.41	16.17	5.70	64.5	34	14.8	11.0	476	2.83	2.9	0.5	<0.2	2.1	38.3
93-PMA-0728	Till	15	15	5.5	99.93	0.14	0.02	0.52	39.40	6.69	71.1	43	21.2	12.4	763	3.58	5.2	0.8	1.1	5.1	90.5
93-PMA-0729	Till	15	14	7.3	99.93	0.12	<0.02	0.56	33.85	6.99	67.1	23	22.4	13.7	791	3.29	5.8	0.8	1.1	4.4	102.5
93-PMA-0730	Till	13	12	3.5	99.95	0.21	<0.02	0.54	13.36	4.81	46.5	18	14.4	8.1	360	2.67	4.1	0.6	<0.2	2.5	50.2
93-PMA-0731	Till	12	14	5.3	99.94	0.37	<0.02	0.49	26.85	6.57	69.7	45	21.9	12.1	827	3.10	6.7	0.6	0.9	3.2	81.5
93-PMA-0732	Till	13	14	3.8	99.94	0.14	<0.02	0.62	26.24	8.62	64.3	39	18.7	9.1	765	2.97	5.7	0.7	1.1	3.3	71.0
93-PMA-0733	Till	21	13	4.5	99.93	0.10	0.03	0.91	30.93	9.02	80.2	66	25.8	12.5	688	3.05	5.8	0.7	0.9	3.6	78.1
93-PMA-0735	Till	11	19	6.4	99.94	0.35	<0.02	0.92	42.75	8.32	86.9	113	47.4	13.0	678	3.83	18.5	0.5	1.9	2.0	57.7
93-PMA-0737	Till	10	18	7.1	99.95	0.34	0.02	0.69	35.19	8.12	84.8	84	38.6	11.3	550	3.57	16.7	0.5	1.9	2.1	75.2
94-PMA-0009-3	Till	12	19	6.8	99.91	0.59	0.05	1.00	49.62	10.05	105.7	142	58.6	18.1	911	3.83	10.8	0.6	1.0	2.4	61.9
94-PMA-0009-4	Till	12	19	7.1	99.92	0.63	0.07	1.11	52.12	10.13	107.8	152	64.9	18.5	947	3.89	10.7	0.6	4.2	2.4	63.8
94-PMA-0009-5	Till	11	19	7.0	99.92	0.66	0.07	1.03	49.45	9.67	105.0	147	60.5	18.1	833	3.79	9.8	0.6	1.7	2.3	61.0

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Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

CERTIFICATE OF ANALYSIS VAN22003530.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg
	Unit	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb
	MDL	0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5
93-PMA-0709	Till	0.12	0.85	0.10	57	0.43	0.089	13.3	23.6	0.39	210.3	0.066	<20	1.29	0.015	0.07	<0.1	7.3	0.09	<0.02	74
93-PMA-0710	Till	0.13	0.63	0.10	63	0.51	0.087	15.5	27.1	0.62	244.6	0.054	<20	1.75	0.015	0.09	<0.1	7.4	0.07	<0.02	38
93-PMA-0711	Till	0.05	0.38	0.09	52	0.33	0.071	10.4	23.9	0.51	169.6	0.066	<20	1.57	0.012	0.06	<0.1	5.8	0.07	<0.02	29
93-PMA-0712-1	Till	0.25	0.60	0.10	61	0.57	0.097	12.5	26.3	0.56	205.7	0.062	<20	1.46	0.022	0.09	<0.1	7.2	0.08	<0.02	70
93-PMA-0713-2	Till	0.11	0.61	0.10	63	0.45	0.071	15.8	27.0	0.60	173.2	0.074	<20	1.59	0.015	0.09	<0.1	7.6	0.08	<0.02	38
93-PMA-0715	Till	0.27	0.67	0.09	56	1.72	0.102	11.5	22.2	0.64	219.5	0.051	<20	1.36	0.023	0.08	<0.1	6.3	0.08	<0.02	50
93-PMA-0716	Till	0.29	0.58	0.09	60	0.58	0.102	13.1	23.7	0.49	191.0	0.065	<20	1.29	0.026	0.08	<0.1	6.6	0.08	<0.02	47
93-PMA-0717	Till	0.23	0.42	0.11	83	0.71	0.115	16.2	43.4	0.81	224.0	0.088	<20	1.81	0.030	0.12	<0.1	9.9	0.13	<0.02	40
93-PMA-0718	Till	0.09	0.42	0.07	83	0.74	0.131	24.1	45.0	0.82	217.1	0.100	<20	1.55	0.042	0.10	<0.1	10.0	0.14	<0.02	31
93-PMA-0719	Till	0.11	0.39	0.07	81	0.68	0.122	16.5	39.6	0.72	207.3	0.105	<20	1.53	0.054	0.12	<0.1	7.8	0.11	<0.02	29
93-PMA-0720	Till	0.10	0.29	0.08	83	1.02	0.151	33.4	47.2	0.96	133.4	0.145	<20	2.02	0.025	0.11	<0.1	8.3	0.08	<0.02	17
93-PMA-0721	Till	0.11	0.31	0.07	85	0.79	0.144	26.3	43.9	0.94	183.5	0.121	<20	1.67	0.043	0.10	<0.1	10.0	0.09	<0.02	34
93-PMA-0722	Till	0.17	0.48	0.10	72	0.62	0.111	16.0	34.7	0.60	177.5	0.087	<20	1.50	0.024	0.11	<0.1	7.5	0.08	<0.02	37
93-PMA-0723	Till	0.14	0.44	0.09	74	0.93	0.130	18.7	36.1	0.65	172.6	0.111	<20	1.29	0.036	0.08	<0.1	6.3	0.08	<0.02	27
93-PMA-0724	Till	0.08	0.43	0.08	74	0.58	0.110	17.8	32.8	0.58	159.0	0.092	<20	1.37	0.022	0.09	<0.1	6.7	0.09	<0.02	32
93-PMA-0724-b	Rock Pulp	0.03	0.06	0.02	21	0.56	0.052	14.0	23.0	0.43	50.0	0.058	<20	0.70	0.070	0.11	<0.1	2.2	0.06	<0.02	8
93-PMA-0725	Till	0.15	0.31	0.23	97	0.57	0.120	15.1	34.8	0.91	204.5	0.127	<20	2.40	0.023	0.21	<0.1	7.2	0.10	<0.02	17
93-PMA-0726	Till	0.12	0.23	0.09	102	0.60	0.141	11.5	29.7	0.91	157.0	0.144	<20	2.74	0.024	0.17	<0.1	5.9	0.08	<0.02	14
93-PMA-0727	Till	0.07	0.20	0.09	76	0.45	0.110	11.3	27.1	0.55	143.4	0.125	<20	1.96	0.020	0.08	<0.1	4.4	0.06	<0.02	19
93-PMA-0728	Till	0.09	0.30	0.13	80	0.66	0.113	23.1	28.2	0.82	224.1	0.086	<20	1.77	0.044	0.14	<0.1	8.4	0.08	<0.02	27
93-PMA-0729	Till	0.11	0.23	0.12	72	0.82	0.116	20.8	27.7	0.85	242.2	0.065	<20	1.78	0.038	0.13	<0.1	8.0	0.14	<0.02	23
93-PMA-0730	Till	0.04	0.39	0.07	71	0.40	0.087	15.8	22.5	0.48	127.9	0.112	<20	1.26	0.024	0.06	<0.1	4.9	0.05	<0.02	14
93-PMA-0731	Till	0.19	0.37	0.10	68	1.49	0.109	16.1	25.7	0.66	198.3	0.074	<20	1.39	0.034	0.11	<0.1	6.5	0.08	<0.02	31
93-PMA-0732	Till	0.14	0.47	0.09	66	0.60	0.130	21.2	27.4	0.39	186.6	0.111	<20	1.22	0.028	0.10	<0.1	6.7	0.08	<0.02	43
93-PMA-0733	Till	0.18	0.26	0.10	56	0.72	0.130	20.5	33.9	0.67	147.8	0.098	<20	1.63	0.034	0.13	<0.1	5.2	0.08	<0.02	15
93-PMA-0735	Till	0.17	1.23	0.11	70	0.41	0.060	16.2	40.9	0.58	449.4	0.060	<20	1.73	0.014	0.10	<0.1	11.0	0.12	<0.02	84
93-PMA-0737	Till	0.13	1.47	0.11	68	0.50	0.088	16.0	37.0	0.63	323.5	0.064	<20	1.92	0.016	0.10	<0.1	9.9	0.12	<0.02	58
94-PMA-0009-3	Till	0.36	0.46	0.14	70	0.93	0.077	10.5	46.7	1.09	209.8	0.048	<20	1.97	0.030	0.14	<0.1	8.6	0.12	0.04	63
94-PMA-0009-4	Till	0.37	0.43	0.14	71	1.07	0.079	10.8	51.4	1.16	208.6	0.053	<20	2.02	0.031	0.15	<0.1	8.7	0.12	0.05	58
94-PMA-0009-5	Till	0.48	0.42	0.13	70	1.04	0.075	9.8	50.1	1.15	174.6	0.047	<20	2.00	0.030	0.14	<0.1	8.6	0.12	0.06	51

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BUREAU VERITAS MINERAL LABORATORIES Canada

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

CERTIFICATE OF ANALYSIS VAN22003530.1

		Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		Analyte	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
		MDL	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
93-PMA-0709	Till		0.2	0.03	3.6	1.10	<0.1	0.13	0.08	4.8	0.3	<0.05	7.2	13.65	24.0	0.03	<1	0.5	8.4	<10	<2
93-PMA-0710	Till		0.2	0.03	5.1	0.92	<0.1	0.11	0.06	5.1	0.4	<0.05	6.4	14.48	26.1	0.03	<1	0.6	11.6	<10	<2
93-PMA-0711	Till		0.2	<0.02	4.4	0.78	<0.1	0.06	0.11	4.9	0.3	<0.05	3.7	7.32	21.6	0.02	<1	0.4	10.5	<10	<2
93-PMA-0712-1	Till		<0.1	0.02	4.3	1.00	<0.1	0.22	0.04	4.8	0.3	<0.05	9.5	12.04	25.6	0.03	<1	0.5	9.9	<10	<2
93-PMA-0713-2	Till		0.2	<0.02	4.7	0.91	<0.1	0.11	0.10	5.6	0.3	<0.05	6.2	11.32	29.6	0.03	<1	0.6	9.5	<10	<2
93-PMA-0715	Till		<0.1	0.03	4.0	1.02	<0.1	0.20	0.04	4.6	0.3	<0.05	9.9	10.32	24.2	0.03	<1	0.5	9.8	<10	<2
93-PMA-0716	Till		<0.1	0.03	3.8	0.98	<0.1	0.26	0.04	4.7	0.3	<0.05	11.2	10.98	26.7	0.03	<1	0.5	9.0	<10	<2
93-PMA-0717	Till		0.1	0.03	5.4	2.58	<0.1	0.24	0.05	9.0	0.5	<0.05	15.2	17.76	28.8	0.04	<1	0.7	10.9	<10	<2
93-PMA-0718	Till		0.1	<0.02	4.5	2.00	<0.1	0.05	0.04	9.0	0.6	<0.05	8.2	18.58	46.7	0.04	<1	0.7	12.2	<10	<2
93-PMA-0719	Till		<0.1	<0.02	4.8	1.37	<0.1	0.19	0.04	8.2	0.5	<0.05	11.2	13.83	31.8	0.03	<1	0.6	9.4	<10	<2
93-PMA-0720	Till		<0.1	<0.02	7.4	3.57	<0.1	0.21	0.20	7.0	0.6	<0.05	14.1	16.00	61.6	0.03	<1	0.9	18.4	<10	<2
93-PMA-0721	Till		0.2	<0.02	5.2	1.40	<0.1	0.07	0.06	8.0	0.6	<0.05	8.2	18.93	47.7	0.03	<1	0.7	11.2	<10	<2
93-PMA-0722	Till		0.1	<0.02	4.7	1.35	<0.1	0.25	0.06	5.8	0.4	<0.05	13.7	12.87	31.2	0.03	<1	0.6	10.9	<10	<2
93-PMA-0723	Till		<0.1	<0.02	4.3	1.56	<0.1	0.39	0.08	5.9	0.5	<0.05	18.3	12.02	38.7	0.02	<1	0.6	10.1	<10	<2
93-PMA-0724	Till		0.2	<0.02	4.3	1.41	<0.1	0.23	0.09	7.3	0.4	<0.05	13.4	12.95	32.3	0.03	<1	0.6	9.1	<10	<2
93-PMA-0724-b	Rock Pulp		<0.1	<0.02	2.2	0.33	<0.1	0.14	0.15	5.8	0.3	<0.05	4.7	4.72	23.9	<0.02	<1	0.2	6.6	<10	<2
93-PMA-0725	Till		<0.1	0.03	6.5	2.41	<0.1	0.13	0.20	17.1	0.5	<0.05	8.1	9.38	32.1	0.03	<1	0.6	12.9	<10	<2
93-PMA-0726	Till		0.1	0.02	7.7	1.30	<0.1	0.10	0.34	13.2	0.5	<0.05	5.6	7.05	23.0	0.03	<1	0.5	15.1	<10	<2
93-PMA-0727	Till		0.1	<0.02	5.5	0.80	<0.1	0.09	0.42	7.8	0.4	<0.05	4.7	6.77	23.6	0.02	<1	0.4	9.9	<10	<2
93-PMA-0728	Till		0.2	0.04	5.5	1.64	<0.1	0.36	0.09	8.9	0.5	<0.05	16.4	19.91	38.6	0.03	<1	0.7	10.6	<10	<2
93-PMA-0729	Till		0.1	0.03	5.1	1.77	<0.1	0.22	0.05	10.0	0.6	<0.05	11.9	14.68	41.8	0.03	<1	0.8	10.1	<10	<2
93-PMA-0730	Till		0.1	<0.02	3.7	1.00	<0.1	0.10	0.22	7.5	0.4	<0.05	5.5	9.08	35.3	0.02	<1	0.5	6.8	<10	<2
93-PMA-0731	Till		0.1	0.03	4.3	1.27	<0.1	0.21	0.06	6.3	0.4	<0.05	10.6	12.58	32.0	0.03	<1	0.5	9.3	<10	<2
93-PMA-0732	Till		0.1	0.03	3.5	1.27	<0.1	0.28	0.13	5.3	0.5	<0.05	14.7	15.41	42.4	0.03	<1	0.7	7.3	<10	<2
93-PMA-0733	Till		0.2	0.04	5.2	2.04	<0.1	0.22	0.13	7.4	0.5	<0.05	12.2	14.26	39.9	0.02	<1	0.9	12.3	<10	<2
93-PMA-0735	Till		0.3	0.04	4.8	2.22	<0.1	0.11	0.07	7.5	0.4	<0.05	6.9	16.98	25.0	0.04	<1	0.7	11.5	<10	<2
93-PMA-0737	Till		0.3	0.03	5.1	2.04	<0.1	0.17	0.06	7.6	0.4	<0.05	11.2	14.29	29.0	0.04	<1	0.8	10.4	<10	<2
94-PMA-0009-3	Till		0.4	0.05	5.6	1.47	<0.1	0.14	0.07	7.5	0.4	<0.05	5.7	11.07	21.9	0.04	1	0.6	15.9	<10	<2
94-PMA-0009-4	Till		0.4	0.06	5.7	1.43	<0.1	0.17	0.07	7.8	0.4	<0.05	6.5	11.33	22.1	0.04	1	0.6	16.4	<10	2
94-PMA-0009-5	Till		0.4	0.05	5.6	1.32	<0.1	0.12	0.07	7.5	0.4	<0.05	5.5	11.31	20.1	0.04	<1	0.6	16.0	<10	<2

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BUREAU VERITAS
MINERAL LABORATORIES
Canada

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

CERTIFICATE OF ANALYSIS VAN22003530.1

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y
	Unit	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3
94-PMA-0009-6	Till	61.03	15.11	6.71	2.81	2.25	2.10	1.87	0.79	0.20	0.11	0.017	57	957	119	79	<20	232	132	35	22
94-PMA-0013-2	Till	59.45	16.55	7.28	2.39	1.77	1.85	1.94	0.82	0.20	0.15	0.015	63	987	127	65	21	228	139	35	23
94-PMA-0013-3	Till	62.59	15.05	6.74	2.38	2.03	2.05	1.78	0.82	0.22	0.11	0.017	58	977	115	76	<20	249	138	38	23
97-PMA-0124	Till	66.25	13.80	5.68	1.29	2.92	3.24	1.70	0.83	0.25	0.12	0.010	34	903	81	24	<20	411	167	45	20
97-PMA-0124-b	Rock Pulp	71.90	11.99	4.05	1.73	3.30	3.42	1.45	0.38	0.13	0.07	0.015	162	474	223	91	52	397	156	67	10
97-PMA-0134	Till	64.15	14.13	6.01	1.31	2.63	2.72	1.78	0.80	0.24	0.12	0.011	34	1011	84	25	<20	425	184	32	25
98-PMA-0614-1	Till	57.52	11.37	6.32	6.52	4.64	1.92	1.51	0.70	0.19	0.12	0.052	56	1005	211	366	38	254	123	<30	20
98-PMA-0615-1	Till	59.69	14.26	6.87	3.73	3.01	1.93	1.86	0.87	0.20	0.12	0.026	71	1323	126	154	22	234	150	51	23
98-PMA-0618-1	Till	59.04	13.67	6.43	2.89	4.64	2.02	1.63	0.78	0.19	0.12	0.024	60	962	108	124	22	260	137	37	22
98-PMA-0619-1	Till	56.54	12.79	6.71	4.39	5.51	1.86	1.59	0.73	0.19	0.12	0.035	67	985	201	208	34	265	127	<30	20
98-PMA-0620-1	Till	63.35	12.87	5.68	3.08	3.76	2.45	1.66	0.78	0.20	0.11	0.023	48	949	117	103	<20	283	131	37	20
98-PMA-0625-1	Till	59.70	14.51	6.66	3.34	3.23	2.10	1.78	0.79	0.20	0.15	0.021	56	954	117	124	22	247	141	45	21
98-PMA-0626-1	Till	60.42	13.79	7.18	3.46	2.74	2.03	1.67	0.82	0.22	0.14	0.029	63	1015	133	154	28	243	141	33	23
98-PMA-0627-1	Till	68.06	10.55	4.97	2.72	3.77	2.57	1.33	0.71	0.20	0.09	0.040	40	798	89	135	<20	288	159	37	18
98-PMA-0629-1	Till	62.36	13.77	6.20	2.37	3.30	2.25	1.66	0.76	0.19	0.10	0.017	57	1012	106	67	<20	245	145	37	21
98-PMA-0630-1	Till	63.10	13.92	6.43	2.57	2.44	2.08	1.77	0.79	0.19	0.12	0.021	69	1087	107	87	<20	217	138	43	22
98-PMA-0631-1	Till	59.52	14.00	6.93	2.87	3.65	1.83	1.90	0.78	0.19	0.10	0.018	81	1505	131	84	<20	238	138	44	23
98-PMA-0632-1	Till	66.25	13.15	5.53	2.11	2.41	2.52	1.61	0.81	0.21	0.09	0.017	48	912	86	59	<20	247	137	54	22

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Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

CERTIFICATE OF ANALYSIS VAN22003530.1

	Method	LF300	LF300	LF300	LF300	TC000	TC000	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Nb	Sc	LOI	Sum	TOT/C	TOT/S	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
	Unit	ppm	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm
	MDL	5	1	-5.1	0.01	0.02	0.02	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5
94-PMA-0009-6	Till	17	18	6.7	99.92	0.65	0.08	1.18	52.67	9.97	107.6	158	69.5	18.8	759	4.03	9.4	0.6	4.5	2.5	60.6
94-PMA-0013-2	Till	14	19	7.3	99.91	0.49	0.02	1.32	55.28	10.90	116.4	161	57.0	19.6	1036	4.43	16.0	0.5	1.0	2.4	50.9
94-PMA-0013-3	Till	12	18	6.0	99.92	0.28	<0.02	1.02	49.37	9.73	102.5	112	60.7	17.1	710	3.79	11.1	0.4	2.0	2.3	47.7
97-PMA-0124	Till	10	15	3.7	99.95	0.13	<0.02	0.65	27.12	7.80	68.2	44	19.9	10.6	701	2.90	10.9	0.4	0.9	1.9	53.1
97-PMA-0124-b	Rock Pulp	16	9	1.3	99.95	0.06	0.05	12.28	155.01	262.01	207.1	106	80.2	50.8	259	1.52	9.1	0.4	37.5	2.8	27.3
97-PMA-0134	Till	11	14	5.9	99.95	0.21	0.03	0.52	27.44	8.55	72.3	54	21.4	10.0	717	3.20	8.9	0.8	2.1	2.9	106.6
98-PMA-0614-1	Till	12	15	8.8	99.86	1.29	0.02	4.53	47.12	6.73	191.2	109	333.1	35.0	735	3.51	9.4	0.6	2.1	1.9	104.8
98-PMA-0615-1	Till	10	18	7.1	99.90	0.66	<0.02	1.65	60.43	9.00	105.4	134	125.9	22.3	774	3.94	10.8	0.4	1.8	2.5	68.1
98-PMA-0618-1	Till	13	17	8.3	99.91	0.99	<0.02	1.90	54.13	8.47	96.3	157	109.8	19.5	764	3.78	11.1	0.8	1.9	2.3	87.0
98-PMA-0619-1	Till	12	17	9.2	99.90	1.32	<0.02	2.20	59.72	10.66	178.1	184	184.2	28.4	807	3.89	14.9	0.6	2.1	2.2	109.7
98-PMA-0620-1	Till	7	16	5.8	99.91	0.68	0.02	1.17	42.03	6.59	99.3	79	83.3	16.1	650	3.02	7.3	0.5	1.1	2.0	70.7
98-PMA-0625-1	Till	6	18	7.2	99.91	0.77	0.02	1.02	50.08	9.52	101.0	139	104.5	22.0	969	3.68	9.5	0.5	0.9	2.3	68.4
98-PMA-0626-1	Till	12	18	7.2	99.89	0.45	0.03	1.01	55.14	8.83	114.6	70	130.9	23.0	876	3.97	11.1	0.4	2.0	2.3	53.6
98-PMA-0627-1	Till	8	13	4.7	99.93	0.49	0.02	0.86	35.53	5.39	77.0	29	114.9	16.0	523	2.58	8.2	0.4	3.5	1.8	52.9
98-PMA-0629-1	Till	8	17	6.8	99.92	0.70	0.03	1.18	46.19	8.47	94.8	130	58.4	15.2	674	3.55	9.0	0.5	0.9	2.4	58.1
98-PMA-0630-1	Till	8	17	6.3	99.92	0.52	0.03	1.51	60.79	9.18	101.8	112	74.5	17.6	782	3.86	11.0	0.4	0.9	2.5	42.9
98-PMA-0631-1	Till	14	18	7.8	99.90	0.95	0.04	2.97	70.22	8.99	117.9	194	65.6	16.0	614	4.02	11.2	1.0	1.9	2.5	81.5
98-PMA-0632-1	Till	9	15	5.0	99.93	0.40	0.03	0.83	39.66	7.10	75.0	73	47.8	13.0	584	3.07	8.1	0.4	1.0	2.1	41.1

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BUREAU VERITAS MINERAL LABORATORIES Canada

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Bureau Veritas Commodities Canada Ltd.

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

CERTIFICATE OF ANALYSIS VAN22003530.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg
	Unit	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb
	MDL	0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5
94-PMA-0009-6	Till	0.40	0.46	0.14	69	1.02	0.082	11.1	55.9	1.22	212.7	0.058	<20	1.94	0.028	0.15	<0.1	8.7	0.12	0.07	63
94-PMA-0013-2	Till	0.30	0.50	0.16	72	0.76	0.080	11.1	46.2	1.03	315.4	0.042	<20	2.10	0.019	0.16	<0.1	9.4	0.12	<0.02	70
94-PMA-0013-3	Till	0.29	0.51	0.14	67	0.79	0.085	11.1	51.5	0.96	207.1	0.056	<20	1.81	0.019	0.14	<0.1	8.1	0.12	<0.02	60
97-PMA-0124	Till	0.40	0.51	0.10	65	0.60	0.096	11.4	22.2	0.46	172.2	0.074	<20	1.06	0.035	0.07	<0.1	6.0	0.14	<0.02	41
97-PMA-0124-b	Rock Pulp	0.48	0.18	0.14	23	0.50	0.054	23.5	29.5	0.45	56.1	0.067	<20	0.75	0.079	0.11	<0.1	2.6	0.07	0.04	21
97-PMA-0134	Till	0.22	0.68	0.12	65	0.71	0.098	16.0	23.6	0.53	314.0	0.077	<20	1.53	0.041	0.11	<0.1	7.1	0.19	<0.02	70
98-PMA-0614-1	Till	2.05	1.49	0.10	74	2.52	0.079	9.1	136.2	3.13	299.8	0.065	<20	1.43	0.018	0.12	<0.1	7.6	0.71	<0.02	153
98-PMA-0615-1	Till	0.46	0.72	0.15	67	1.42	0.075	11.2	74.3	1.54	370.9	0.061	<20	1.75	0.026	0.13	<0.1	8.0	0.20	<0.02	670
98-PMA-0618-1	Till	0.47	0.49	0.12	68	2.57	0.077	10.8	71.8	1.22	236.8	0.064	<20	1.75	0.020	0.11	<0.1	8.3	0.14	<0.02	128
98-PMA-0619-1	Till	1.41	1.83	0.12	83	3.06	0.076	10.7	102.8	2.00	248.0	0.072	<20	1.92	0.023	0.12	<0.1	8.6	0.29	<0.02	442
98-PMA-0620-1	Till	0.66	0.60	0.09	64	1.70	0.078	10.0	64.6	1.22	185.1	0.080	<20	1.40	0.023	0.11	<0.1	6.2	0.16	<0.02	118
98-PMA-0625-1	Till	0.44	0.52	0.13	67	1.55	0.076	10.3	61.0	1.42	219.5	0.056	<20	1.79	0.022	0.12	<0.1	8.1	0.16	<0.02	112
98-PMA-0626-1	Till	0.52	0.73	0.13	73	1.05	0.082	11.2	77.4	1.36	234.2	0.077	<20	1.70	0.019	0.12	<0.1	8.2	0.23	<0.02	184
98-PMA-0627-1	Till	0.49	0.71	0.08	52	1.58	0.078	9.9	65.5	1.10	122.7	0.086	<20	0.92	0.016	0.07	<0.1	5.0	0.21	<0.02	122
98-PMA-0629-1	Till	0.38	0.42	0.12	66	1.57	0.078	10.9	50.7	0.98	265.5	0.060	<20	1.64	0.020	0.10	<0.1	7.8	0.11	<0.02	83
98-PMA-0630-1	Till	0.35	0.49	0.14	66	1.08	0.077	11.8	60.2	1.03	294.3	0.060	<20	1.74	0.017	0.12	<0.1	8.1	0.13	<0.02	79
98-PMA-0631-1	Till	0.53	0.61	0.15	62	1.96	0.075	11.5	53.4	1.14	679.7	0.053	<20	1.67	0.018	0.14	<0.1	8.2	0.15	<0.02	125
98-PMA-0632-1	Till	0.26	0.46	0.10	56	0.91	0.078	10.7	42.9	0.81	208.5	0.070	<20	1.36	0.019	0.08	<0.1	6.0	0.11	<0.02	59

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PHONE (604) 253-3158

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

CERTIFICATE OF ANALYSIS VAN22003530.1

		Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		Analyte	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
		MDL	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
94-PMA-0009-6	Till		0.4	0.05	5.6	1.45	<0.1	0.16	0.08	7.8	0.4	<0.05	6.3	11.49	23.1	0.04	1	0.6	16.5	<10	<2
94-PMA-0013-2	Till		0.3	0.06	6.1	1.65	<0.1	0.15	0.06	8.3	0.5	<0.05	5.9	11.66	23.4	0.04	1	0.7	17.3	<10	<2
94-PMA-0013-3	Till		0.2	0.05	5.2	1.37	<0.1	0.18	0.06	7.6	0.4	<0.05	7.4	10.82	23.4	0.04	<1	0.6	14.5	<10	<2
97-PMA-0124	Till		0.1	0.03	3.2	1.04	<0.1	0.21	0.05	4.3	0.3	<0.05	10.1	10.74	23.7	0.02	<1	0.4	7.2	<10	<2
97-PMA-0124-b	Rock Pulp		<0.1	<0.02	2.3	1.07	<0.1	0.16	0.29	7.0	1.9	<0.05	5.5	5.05	40.3	0.03	<1	0.2	8.0	43	24
97-PMA-0134	Till		0.2	0.04	4.1	1.48	<0.1	0.19	0.05	7.6	0.4	<0.05	14.6	15.66	30.5	0.03	<1	0.7	7.4	<10	<2
98-PMA-0614-1	Till		1.0	0.05	4.2	0.98	<0.1	0.12	0.06	5.7	0.3	<0.05	5.4	10.77	18.4	0.03	3	0.4	12.9	<10	<2
98-PMA-0615-1	Till		0.2	0.06	5.0	1.51	<0.1	0.11	0.06	7.4	0.4	<0.05	5.7	10.51	23.1	0.04	<1	0.5	14.6	<10	<2
98-PMA-0618-1	Till		0.3	0.05	5.1	1.18	<0.1	0.12	0.07	6.6	0.4	<0.05	5.5	11.18	21.6	0.03	<1	0.5	14.2	<10	<2
98-PMA-0619-1	Till		0.9	0.06	5.7	1.74	<0.1	0.18	0.06	6.3	0.4	<0.05	7.6	10.98	20.9	0.04	3	0.5	16.4	<10	<2
98-PMA-0620-1	Till		0.4	0.04	4.1	1.03	<0.1	0.20	0.07	5.3	0.3	<0.05	7.7	9.53	20.2	0.03	1	0.4	12.2	<10	<2
98-PMA-0625-1	Till		0.2	0.06	5.2	1.21	<0.1	0.13	0.05	7.1	0.4	<0.05	5.9	10.67	21.5	0.04	2	0.6	14.7	<10	<2
98-PMA-0626-1	Till		0.2	0.06	4.9	1.08	<0.1	0.16	0.05	7.2	0.4	<0.05	9.4	11.84	23.2	0.03	<1	0.6	12.8	<10	<2
98-PMA-0627-1	Till		0.2	0.04	2.7	0.46	<0.1	0.20	0.08	3.2	0.2	<0.05	7.8	8.54	19.7	<0.02	<1	0.3	6.1	<10	2
98-PMA-0629-1	Till		0.2	0.04	4.8	1.07	<0.1	0.19	0.07	6.1	0.4	<0.05	7.6	10.45	21.9	0.03	1	0.5	12.5	<10	<2
98-PMA-0630-1	Till		0.2	0.06	5.0	1.11	<0.1	0.17	0.06	6.4	0.4	<0.05	7.6	11.03	23.9	0.03	2	0.5	12.8	<10	<2
98-PMA-0631-1	Till		1.0	0.06	5.0	1.48	<0.1	0.19	0.05	7.1	0.4	<0.05	8.0	11.06	22.6	0.04	3	0.5	13.4	<10	<2
98-PMA-0632-1	Till		0.2	0.04	4.0	0.88	<0.1	0.13	0.09	4.9	0.3	<0.05	6.0	10.05	21.5	0.03	<1	0.4	10.4	<10	<2

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

QUALITY CONTROL REPORT VAN22003530.1

		Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
		Analyte	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y
		Unit	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		MDL	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3
93-PMA-0567	Till		65.34	11.32	4.70	3.33	5.03	2.52	1.32	0.72	0.21	0.10	0.027	34	937	71	119	<20	248	155	40	19
93-PMA-0633	Till		69.97	11.27	5.70	2.16	1.91	2.34	1.38	0.65	0.20	0.11	0.027	67	749	79	129	<20	222	122	33	22
93-PMA-0679	Till		58.92	15.12	6.71	2.38	3.78	2.93	1.96	1.02	0.37	0.09	0.014	39	1071	79	44	<20	563	223	73	23
93-PMA-0720	Till		60.38	14.94	6.90	2.07	2.79	2.88	2.04	1.02	0.38	0.12	0.014	35	1153	88	47	<20	493	260	87	26
98-PMA-0618-1	Till		59.04	13.67	6.43	2.89	4.64	2.02	1.63	0.78	0.19	0.12	0.024	60	962	108	124	22	260	137	37	22
Pulp Duplicates																						
93-PMA-0534	Till		60.50	11.10	3.47	2.32	9.59	2.92	1.06	0.61	0.19	0.05	0.011	28	877	59	37	<20	286	167	<30	16
REP 93-PMA-0534	QC																					
93-PMA-0572	Till		63.21	13.90	6.49	3.05	2.80	2.57	1.50	0.86	0.24	0.12	0.019	43	847	93	88	<20	263	192	33	23
REP 93-PMA-0572	QC		63.27	13.82	6.44	3.04	2.78	2.65	1.51	0.87	0.25	0.12	0.019	46	843	94	87	<20	261	179	51	22
93-PMA-0578	Till		69.79	9.91	5.55	4.69	1.90	1.78	1.53	0.73	0.18	0.10	0.061	63	813	90	276	22	129	178	55	23
REP 93-PMA-0578	QC																					
93-PMA-0635	Till		61.95	11.32	6.14	2.86	6.01	2.07	1.53	0.65	0.24	0.12	0.021	113	834	91	80	20	312	110	30	17
REP 93-PMA-0635	QC		61.47	11.41	6.26	2.89	6.15	2.10	1.56	0.66	0.24	0.12	0.020	116	859	93	79	22	315	111	36	19
93-PMA-0643	Till		46.69	7.97	4.07	5.20	15.13	1.43	0.86	0.56	0.17	0.08	0.012	71	553	65	42	<20	184	94	<30	18
REP 93-PMA-0643	QC																					
93-PMA-0678	Till		59.72	14.81	7.08	2.40	3.91	3.03	1.93	1.02	0.38	0.14	0.012	45	1067	86	54	<20	613	215	70	24
REP 93-PMA-0678	QC		59.68	14.72	7.16	2.42	3.90	3.06	1.93	1.00	0.39	0.14	0.013	42	1081	87	49	<20	608	219	73	25
93-PMA-0680	Till		62.99	13.63	6.37	1.81	3.22	2.98	1.78	0.95	0.31	0.14	0.013	26	879	70	37	<20	465	249	67	21
REP 93-PMA-0680	QC																					
93-PMA-0717	Till		60.49	14.92	7.49	2.02	2.63	2.64	1.61	1.02	0.30	0.13	0.014	58	897	127	53	<20	397	184	60	28
REP 93-PMA-0717	QC		60.34	15.08	7.56	2.03	2.64	2.58	1.59	1.00	0.29	0.13	0.016	58	895	130	51	<20	398	182	53	28
93-PMA-0719	Till		62.69	14.35	6.71	1.91	3.00	3.05	1.70	1.00	0.31	0.12	0.014	33	976	86	38	<20	456	189	64	23
REP 93-PMA-0719	QC																					
98-PMA-0625-1	Till		59.70	14.51	6.66	3.34	3.23	2.10	1.78	0.79	0.20	0.15	0.021	56	954	117	124	22	247	141	45	21
REP 98-PMA-0625-1	QC		60.13	14.26	6.63	3.29	3.17	2.06	1.79	0.77	0.20	0.15	0.022	60	941	114	121	25	243	139	36	21
98-PMA-0626-1	Till		60.42	13.79	7.18	3.46	2.74	2.03	1.67	0.82	0.22	0.14	0.029	63	1015	133	154	28	243	141	33	23
REP 98-PMA-0626-1	QC																					
Reference Materials																						

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Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

QUALITY CONTROL REPORT VAN22003530.1

	Method	LF300	LF300	LF300	LF300	TC000	TC000	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Nb	Sc	LOI	Sum	TOT/C	TOT/S	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
	Unit	ppm	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm
	MDL	5	1	-5.1	0.01	0.02	0.02	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5
93-PMA-0567	Till	10	12	5.1	99.92	0.72	<0.02	0.89	31.64	4.59	58.3	31	92.7	14.1	535	2.33	5.9	0.4	1.9	2.8	34.1
93-PMA-0633	Till	6	16	4.0	99.94	0.18	<0.02	0.86	61.28	6.00	69.2	38	106.8	14.4	675	3.28	14.7	0.5	3.8	2.4	31.4
93-PMA-0679	Till	12	16	6.4	99.93	0.14	<0.02	0.40	31.31	6.51	69.1	11	39.4	15.1	531	3.96	2.5	0.7	0.5	3.4	71.3
93-PMA-0720	Till	12	15	6.2	99.94	0.14	<0.02	0.57	28.09	7.78	72.8	25	34.3	14.3	832	3.68	4.1	0.7	0.7	3.4	100.9
98-PMA-0618-1	Till	13	17	8.3	99.91	0.99	<0.02	1.90	54.13	8.47	96.3	157	109.8	19.5	764	3.78	11.1	0.8	1.9	2.3	87.0
Pulp Duplicates																					
93-PMA-0534	Till	10	10	7.9	99.92	1.80	0.03	0.51	22.99	3.01	45.0	124	25.3	7.1	211	1.63	1.7	2.6	0.8	1.9	50.0
REP 93-PMA-0534	QC							0.52	22.75	2.83	44.7	109	25.1	7.0	208	1.61	2.0	2.4	0.9	1.8	49.0
93-PMA-0572	Till	13	16	5.0	99.92	0.24	<0.02	1.29	44.38	6.63	83.8	77	71.5	16.0	694	3.50	7.2	0.9	1.0	3.0	34.4
REP 93-PMA-0572	QC	16	17	5.0	99.92	0.24	<0.02														
93-PMA-0578	Till	13	13	3.5	99.90	0.26	<0.02	1.29	60.97	5.84	75.7	51	226.5	18.4	505	2.83	14.0	0.8	2.7	4.3	15.8
REP 93-PMA-0578	QC							1.27	59.17	5.76	74.6	55	223.3	18.1	503	2.82	13.8	0.8	3.8	4.3	15.7
93-PMA-0635	Till	6	17	6.8	99.92	0.98	<0.02	1.05	101.81	10.45	82.0	122	69.0	17.3	744	3.43	13.8	0.5	3.9	2.4	97.3
REP 93-PMA-0635	QC	6	17	6.8	99.91	0.98	<0.02														
93-PMA-0643	Till	12	12	17.6	99.88	4.11	<0.02	0.92	60.84	3.56	54.0	60	38.5	11.3	530	2.30	12.2	1.0	10.6	1.2	76.3
REP 93-PMA-0643	QC							0.91	60.52	3.50	53.4	56	38.3	11.1	517	2.23	12.2	1.0	5.6	1.1	74.7
93-PMA-0678	Till	14	16	5.3	99.93	0.08	<0.02	0.56	34.69	6.48	75.8	23	42.4	17.1	939	3.99	3.2	0.6	1.6	3.3	79.7
REP 93-PMA-0678	QC	12	16	5.3	99.92	0.08	<0.02														
93-PMA-0680	Till	8	18	5.5	99.93	0.40	<0.02	0.94	16.67	6.14	57.0	85	28.1	17.5	924	3.56	4.2	0.9	0.6	2.6	50.4
REP 93-PMA-0680	QC							0.87	15.76	5.99	53.9	82	26.8	16.8	896	3.37	4.2	0.9	0.7	2.5	47.5
93-PMA-0717	Till	10	19	6.5	99.94	0.24	<0.02	0.60	52.09	7.07	109.1	38	39.3	15.3	858	4.02	12.6	0.6	1.6	2.5	60.1
REP 93-PMA-0717	QC	10	19	6.5	99.94	0.24	0.02														
93-PMA-0719	Till	12	16	4.9	99.94	0.10	<0.02	0.41	29.15	5.76	68.4	22	29.9	13.2	748	3.47	7.1	0.4	0.7	2.5	59.4
REP 93-PMA-0719	QC							0.44	29.24	5.75	68.5	26	29.9	13.2	740	3.40	7.2	0.4	0.8	2.5	58.2
98-PMA-0625-1	Till	6	18	7.2	99.91	0.77	0.02	1.02	50.08	9.52	101.0	139	104.5	22.0	969	3.68	9.5	0.5	0.9	2.3	68.4
REP 98-PMA-0625-1	QC	10	18	7.2	99.91	0.77	0.02														
98-PMA-0626-1	Till	12	18	7.2	99.89	0.45	0.03	1.01	55.14	8.83	114.6	70	130.9	23.0	876	3.97	11.1	0.4	2.0	2.3	53.6
REP 98-PMA-0626-1	QC							1.06	56.00	8.94	118.4	70	133.6	23.9	909	4.09	11.4	0.5	1.9	2.3	56.4
Reference Materials																					

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PHONE (604) 253-3158

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

QUALITY CONTROL REPORT VAN22003530.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg
	Unit	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb
	MDL	0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5
93-PMA-0567	Till	0.25	0.43	0.09	41	2.24	0.091	12.1	67.5	1.06	197.6	0.095	<20	1.18	0.023	0.16	<0.1	3.8	0.15	<0.02	36
93-PMA-0633	Till	0.23	1.41	0.13	61	0.43	0.082	11.6	76.8	0.78	164.6	0.070	<20	1.45	0.010	0.09	0.1	8.0	0.13	<0.02	189
93-PMA-0679	Till	0.11	0.18	0.07	89	0.90	0.153	24.4	55.4	1.14	205.7	0.143	<20	1.86	0.055	0.13	<0.1	9.9	0.10	<0.02	12
93-PMA-0720	Till	0.10	0.29	0.08	83	1.02	0.151	33.4	47.2	0.96	133.4	0.145	<20	2.02	0.025	0.11	<0.1	8.3	0.08	<0.02	17
98-PMA-0618-1	Till	0.47	0.49	0.12	68	2.57	0.077	10.8	71.8	1.22	236.8	0.064	<20	1.75	0.020	0.11	<0.1	8.3	0.14	<0.02	128
Pulp Duplicates																					
93-PMA-0534	Till	0.28	0.16	0.06	33	4.99	0.081	8.7	28.4	0.87	302.9	0.101	<20	0.99	0.019	0.20	<0.1	3.6	0.10	<0.02	21
REP 93-PMA-0534	QC	0.26	0.16	0.05	32	4.84	0.080	8.0	27.6	0.87	289.3	0.098	<20	0.99	0.019	0.20	<0.1	3.5	0.10	<0.02	13
93-PMA-0572	Till	0.15	0.38	0.11	70	0.62	0.104	13.1	66.1	1.13	292.3	0.144	<20	2.13	0.023	0.30	<0.1	7.1	0.23	<0.02	19
REP 93-PMA-0572	QC																				
93-PMA-0578	Till	0.23	0.57	0.15	43	0.35	0.077	14.0	140.5	1.60	122.0	0.074	<20	1.21	0.019	0.16	0.1	4.7	0.18	<0.02	26
REP 93-PMA-0578	QC	0.22	0.58	0.15	42	0.35	0.075	13.7	138.4	1.61	119.2	0.074	<20	1.18	0.019	0.15	0.1	4.6	0.18	<0.02	28
93-PMA-0635	Till	0.54	1.06	0.18	83	3.20	0.100	9.9	58.2	1.17	220.3	0.074	<20	1.54	0.023	0.12	<0.1	7.8	0.12	<0.02	144
REP 93-PMA-0635	QC																				
93-PMA-0643	Till	0.46	0.61	0.06	51	9.65	0.072	8.0	36.0	2.71	171.2	0.093	<20	1.40	0.016	0.09	<0.1	5.7	0.13	<0.02	181
REP 93-PMA-0643	QC	0.47	0.59	0.06	51	9.55	0.068	8.2	36.6	2.69	167.1	0.093	<20	1.38	0.016	0.09	<0.1	5.6	0.12	<0.02	178
93-PMA-0678	Till	0.12	0.19	0.07	92	0.84	0.162	24.0	47.7	1.10	175.7	0.128	<20	1.50	0.049	0.12	<0.1	9.6	0.09	<0.02	21
REP 93-PMA-0678	QC																				
93-PMA-0680	Till	0.09	0.25	0.06	84	0.70	0.119	18.7	38.1	0.76	107.7	0.110	<20	1.30	0.030	0.10	<0.1	10.9	0.12	<0.02	15
REP 93-PMA-0680	QC	0.08	0.23	0.06	86	0.68	0.114	17.5	36.4	0.72	100.0	0.105	<20	1.23	0.031	0.11	<0.1	10.4	0.12	<0.02	18
93-PMA-0717	Till	0.23	0.42	0.11	83	0.71	0.115	16.2	43.4	0.81	224.0	0.088	<20	1.81	0.030	0.12	<0.1	9.9	0.13	<0.02	40
REP 93-PMA-0717	QC																				
93-PMA-0719	Till	0.11	0.39	0.07	81	0.68	0.122	16.5	39.6	0.72	207.3	0.105	<20	1.53	0.054	0.12	<0.1	7.8	0.11	<0.02	29
REP 93-PMA-0719	QC	0.10	0.42	0.07	80	0.67	0.120	16.2	39.5	0.73	204.9	0.097	<20	1.53	0.054	0.12	<0.1	7.8	0.11	<0.02	37
98-PMA-0625-1	Till	0.44	0.52	0.13	67	1.55	0.076	10.3	61.0	1.42	219.5	0.056	<20	1.79	0.022	0.12	<0.1	8.1	0.16	<0.02	112
REP 98-PMA-0625-1	QC																				
98-PMA-0626-1	Till	0.52	0.73	0.13	73	1.05	0.082	11.2	77.4	1.36	234.2	0.077	<20	1.70	0.019	0.12	<0.1	8.2	0.23	<0.02	184
REP 98-PMA-0626-1	QC	0.54	0.76	0.13	77	1.11	0.085	11.4	81.1	1.42	242.8	0.084	<20	1.80	0.020	0.12	<0.1	8.6	0.23	<0.02	210
Reference Materials																					

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

QUALITY CONTROL REPORT VAN22003530.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
93-PMA-0567	Till	0.2	0.03	3.8	1.07	<0.1	0.11	0.09	11.5	0.8	<0.05	4.9	7.54	23.9	<0.02	<1	0.2	9.7	<10	<2
93-PMA-0633	Till	0.2	0.05	4.0	0.78	<0.1	0.04	0.11	5.9	0.3	<0.05	3.0	11.36	21.4	0.02	<1	0.4	8.6	<10	3
93-PMA-0679	Till	<0.1	<0.02	6.2	1.55	<0.1	0.03	0.06	10.3	0.7	<0.05	5.5	17.07	45.4	0.03	<1	0.7	12.1	<10	<2
93-PMA-0720	Till	<0.1	<0.02	7.4	3.57	<0.1	0.21	0.20	7.0	0.6	<0.05	14.1	16.00	61.6	0.03	<1	0.9	18.4	<10	<2
98-PMA-0618-1	Till	0.3	0.05	5.1	1.18	<0.1	0.12	0.07	6.6	0.4	<0.05	5.5	11.18	21.6	0.03	<1	0.5	14.2	<10	<2
Pulp Duplicates																				
93-PMA-0534	Till	0.2	0.05	3.3	0.72	<0.1	0.17	0.17	12.5	0.5	<0.05	5.9	6.36	16.6	<0.02	<1	0.2	8.9	<10	<2
REP 93-PMA-0534	QC	0.1	0.04	3.2	0.68	<0.1	0.15	0.15	12.7	0.5	<0.05	5.7	6.20	15.5	<0.02	<1	0.2	8.9	<10	<2
93-PMA-0572	Till	0.1	0.04	6.6	1.91	<0.1	0.16	0.11	18.9	1.2	<0.05	7.0	10.93	25.4	0.03	<1	0.5	17.7	<10	<2
REP 93-PMA-0572	QC																			
93-PMA-0578	Till	0.2	0.06	3.5	1.31	<0.1	0.10	0.12	12.6	0.4	<0.05	5.0	8.42	25.5	0.02	<1	0.3	11.1	<10	<2
REP 93-PMA-0578	QC	0.2	0.06	3.5	1.28	<0.1	0.09	0.13	12.3	0.4	<0.05	5.0	8.31	25.1	0.02	<1	0.3	11.1	<10	<2
93-PMA-0635	Till	0.3	0.05	4.6	1.35	<0.1	0.12	0.06	7.3	0.3	<0.05	5.3	9.51	19.8	0.03	<1	0.4	10.5	<10	4
REP 93-PMA-0635	QC																			
93-PMA-0643	Till	0.5	0.04	3.8	0.48	<0.1	0.04	0.23	4.5	0.2	<0.05	2.9	10.78	14.8	<0.02	<1	0.3	7.1	<10	<2
REP 93-PMA-0643	QC	0.5	0.03	3.7	0.47	<0.1	0.04	0.23	4.5	0.2	<0.05	2.9	10.77	14.6	<0.02	<1	0.3	7.1	<10	<2
93-PMA-0678	Till	0.2	0.02	5.1	1.19	<0.1	0.02	0.04	9.7	0.6	<0.05	5.0	17.76	49.2	0.03	<1	0.7	10.2	<10	<2
REP 93-PMA-0678	QC																			
93-PMA-0680	Till	0.2	<0.02	4.2	1.87	<0.1	0.08	0.09	13.6	0.6	<0.05	13.2	14.12	47.1	0.03	<1	0.6	8.4	<10	<2
REP 93-PMA-0680	QC	0.2	<0.02	3.9	1.75	<0.1	0.09	0.08	12.4	0.5	<0.05	14.0	13.20	44.4	0.03	<1	0.5	8.0	<10	<2
93-PMA-0717	Till	0.1	0.03	5.4	2.58	<0.1	0.24	0.05	9.0	0.5	<0.05	15.2	17.76	28.8	0.04	<1	0.7	10.9	<10	<2
REP 93-PMA-0717	QC																			
93-PMA-0719	Till	<0.1	<0.02	4.8	1.37	<0.1	0.19	0.04	8.2	0.5	<0.05	11.2	13.83	31.8	0.03	<1	0.6	9.4	<10	<2
REP 93-PMA-0719	QC	0.1	0.02	4.8	1.34	<0.1	0.11	0.03	8.1	0.4	<0.05	9.1	13.82	31.6	0.03	<1	0.5	9.3	<10	<2
98-PMA-0625-1	Till	0.2	0.06	5.2	1.21	<0.1	0.13	0.05	7.1	0.4	<0.05	5.9	10.67	21.5	0.04	2	0.6	14.7	<10	<2
REP 98-PMA-0625-1	QC																			
98-PMA-0626-1	Till	0.2	0.06	4.9	1.08	<0.1	0.16	0.05	7.2	0.4	<0.05	9.4	11.84	23.2	0.03	<1	0.6	12.8	<10	<2
REP 98-PMA-0626-1	QC	0.3	0.05	5.2	1.12	<0.1	0.19	0.06	7.7	0.4	<0.05	10.5	12.08	24.0	0.03	<1	0.6	13.4	<10	<2
Reference Materials																				

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Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

QUALITY CONTROL REPORT VAN22003530.1

		LF300 SiO2 % 0.01	LF300 Al2O3 % 0.01	LF300 Fe2O3 % 0.04	LF300 MgO % 0.01	LF300 CaO % 0.01	LF300 Na2O % 0.01	LF300 K2O % 0.01	LF300 TiO2 % 0.01	LF300 P2O5 % 0.01	LF300 MnO % 0.01	LF300 Cr2O3 % 0.002	LF300 Cu ppm 5	LF300 Ba ppm 5	LF300 Zn ppm 5	LF300 Ni ppm 20	LF300 Co ppm 20	LF300 Sr ppm 2	LF300 Zr ppm 5	LF300 Ce ppm 30	LF300 Y ppm 3
STD DS11	Standard																				
STD DS11	Standard																				
STD DS11	Standard																				
STD DS11	Standard																				
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STD DS11	Standard																				
STD GS311-1	Standard																				
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STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD OREAS262	Standard																				
STD OREAS262	Standard																				
STD OREAS262	Standard																				
STD OREAS262	Standard																				
STD OREAS279	Standard																				
STD OREAS279	Standard																				
STD OREAS279	Standard																				
STD OREAS279	Standard																				
STD OREAS262	Standard																				
STD SO-19	Standard	60.80	13.86	7.38	2.87	5.88	4.02	1.30	0.70	0.32	0.13	0.502	73	474	78	474	<20	314	123	163	35
STD SO-19	Standard	60.55	13.95	7.39	2.88	5.93	4.08	1.32	0.70	0.33	0.13	0.494	70	471	80	468	<20	317	119	157	34
STD SO-19	Standard	60.92	13.81	7.33	2.87	5.92	3.98	1.29	0.69	0.31	0.13	0.495	64	461	77	467	20	310	114	148	34
STD SO-19	Standard	60.47	13.91	7.47	2.88	5.97	4.08	1.30	0.70	0.33	0.13	0.496	66	467	81	468	24	313	114	155	34
STD SO-19	Standard	60.71	13.98	7.40	2.87	5.91	3.95	1.30	0.70	0.31	0.13	0.485	66	454	79	456	<20	314	107	147	33
STD SO-19	Standard	60.66	13.82	7.42	2.88	5.92	4.04	1.32	0.70	0.33	0.13	0.507	67	470	81	479	23	313	107	155	35
STD SO-19	Standard	60.18	13.99	7.56	2.94	6.00	4.03	1.31	0.71	0.33	0.13	0.518	69	487	83	493	24	317	110	153	34
STD SO-19	Standard	60.43	13.80	7.57	2.90	5.99	4.06	1.30	0.70	0.34	0.13	0.506	68	482	82	484	25	313	111	157	35

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QUALITY CONTROL REPORT VAN22003530.1

		LF300 Nb ppm 5	LF300 Sc ppm 1	LF300 LOI % -5.1	LF300 Sum % 0.01	TC000 TOT/C % 0.02	TC000 TOT/S % 0.02	AQ250 Mo ppm 0.01	AQ250 Cu ppm 0.01	AQ250 Pb ppm 0.01	AQ250 Zn ppm 0.1	AQ250 Ag ppb 2	AQ250 Ni ppm 0.1	AQ250 Co ppm 0.1	AQ250 Mn ppm 1	AQ250 Fe % 0.01	AQ250 As ppm 0.1	AQ250 U ppm 0.1	AQ250 Au ppb 0.2	AQ250 Th ppm 0.1	AQ250 Sr ppm 0.5
STD DS11	Standard							14.03	145.17	127.25	339.7	1939	79.1	13.5	1009	3.12	42.3	2.2	63.5	6.7	65.8
STD DS11	Standard							12.67	142.89	124.47	331.6	1775	79.2	13.5	1003	2.99	43.0	2.1	67.5	6.4	60.0
STD DS11	Standard							14.00	146.66	128.00	336.6	1551	78.7	13.6	1008	3.15	45.1	2.5	45.5	7.1	64.8
STD DS11	Standard							11.33	142.15	127.69	331.4	1491	76.6	12.8	990	2.89	40.2	1.9	53.2	6.2	55.5
STD DS11	Standard							13.22	142.59	131.98	338.5	2057	78.3	13.6	988	3.13	43.5	2.5	74.7	6.8	62.7
STD DS11	Standard							12.08	142.38	123.46	323.0	1572	75.2	13.2	978	2.95	44.5	2.1	73.0	6.4	61.2
STD GS311-1	Standard					0.95	2.36														
STD GS311-1	Standard					0.96	2.22														
STD GS311-1	Standard					0.97	2.22														
STD GS910-4	Standard					2.66	8.34														
STD GS910-4	Standard					2.44	8.07														
STD GS910-4	Standard					2.39	8.19														
STD OREAS262	Standard							0.60	112.13	52.90	151.0	436	63.5	27.0	517	3.29	35.2	1.1	67.1	8.5	33.8
STD OREAS262	Standard							0.62	116.19	54.21	156.6	474	63.6	28.0	526	3.42	35.9	1.1	64.2	8.7	34.6
STD OREAS262	Standard							0.55	112.60	51.48	149.2	450	60.0	27.0	526	3.12	34.9	1.0	65.7	7.9	33.1
STD OREAS262	Standard							0.78	116.42	53.78	159.9	447	69.3	28.6	541	3.40	36.2	1.0	60.7	8.3	34.9
STD OREAS279	Standard					1.12	1.27														
STD OREAS279	Standard					1.12	1.37														
STD OREAS279	Standard					1.12	1.28														
STD OREAS279	Standard					1.13	1.32														
STD OREAS262	Standard							0.59	113.59	51.08	149.4	443	60.3	27.5	526	3.21	34.0	1.0	64.4	7.5	32.7
STD SO-19	Standard	74	27	1.9	99.90																
STD SO-19	Standard	69	27	1.9	99.90																
STD SO-19	Standard	77	26	1.9	99.90																
STD SO-19	Standard	76	26	1.9	99.89																
STD SO-19	Standard	74	26	1.9	99.89																
STD SO-19	Standard	75	27	1.9	99.89																
STD SO-19	Standard	73	28	1.9	99.87																
STD SO-19	Standard	74	27	1.9	99.89																

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BUREAU VERITAS
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Canada

www.bvna.com/mining-laboratory-services

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

QUALITY CONTROL REPORT VAN22003530.1

		AQ250 Cd ppm 0.01	AQ250 Sb ppm 0.02	AQ250 Bi ppm 0.02	AQ250 V ppm 1	AQ250 Ca % 0.01	AQ250 P % 0.001	AQ250 La ppm 0.5	AQ250 Cr ppm 0.5	AQ250 Mg % 0.01	AQ250 Ba ppm 0.5	AQ250 Ti % 0.001	AQ250 B ppm 20	AQ250 Al % 0.01	AQ250 Na % 0.001	AQ250 K % 0.01	AQ250 W ppm 0.1	AQ250 Sc ppm 0.1	AQ250 Tl ppm 0.02	AQ250 S % 0.02	AQ250 Hg ppb 5
STD DS11	Standard	2.26	7.76	10.77	47	1.06	0.071	16.3	59.3	0.84	362.3	0.094	<20	1.13	0.075	0.38	2.7	3.0	4.58	0.28	229
STD DS11	Standard	2.19	6.73	10.29	46	1.02	0.068	15.0	56.6	0.81	376.1	0.086	<20	1.07	0.070	0.38	2.3	2.8	4.32	0.28	233
STD DS11	Standard	2.23	7.63	10.83	48	1.06	0.071	16.8	57.8	0.84	371.5	0.092	<20	1.14	0.076	0.38	2.7	3.1	4.75	0.28	265
STD DS11	Standard	2.18	6.65	10.51	45	0.99	0.067	14.0	55.3	0.80	353.5	0.076	<20	1.00	0.064	0.37	2.6	2.6	4.55	0.27	245
STD DS11	Standard	2.27	7.78	10.63	49	1.02	0.072	16.0	56.3	0.84	399.4	0.086	<20	1.08	0.072	0.38	2.9	3.0	4.61	0.27	231
STD DS11	Standard	2.17	7.16	10.49	45	1.00	0.066	16.3	56.3	0.79	336.4	0.085	<20	1.07	0.071	0.37	2.7	2.9	4.76	0.27	205
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD OREAS262	Standard	0.63	3.91	0.89	21	2.95	0.039	15.9	41.9	1.19	229.9	0.003	<20	1.25	0.069	0.30	0.1	3.0	0.43	0.29	152
STD OREAS262	Standard	0.62	3.47	0.91	22	3.07	0.040	16.2	43.6	1.20	245.3	0.003	<20	1.27	0.071	0.30	0.1	3.1	0.46	0.25	165
STD OREAS262	Standard	0.60	3.83	0.87	20	2.99	0.037	12.8	39.0	1.15	222.1	0.003	<20	1.10	0.068	0.28	0.1	2.8	0.43	0.26	158
STD OREAS262	Standard	0.62	3.71	0.89	21	3.04	0.040	13.7	47.2	1.16	230.9	0.003	<20	1.12	0.069	0.28	0.1	2.9	0.43	0.25	164
STD OREAS279	Standard																				
STD OREAS279	Standard																				
STD OREAS279	Standard																				
STD OREAS279	Standard																				
STD OREAS262	Standard	0.58	4.11	0.84	20	2.89	0.036	13.5	40.5	1.13	222.8	0.003	<20	1.16	0.066	0.28	0.1	2.8	0.43	0.26	130
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
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BUREAU VERITAS
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Canada

www.bvna.com/mining-laboratory-services

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

QUALITY CONTROL REPORT VAN22003530.1

		AQ250 Se ppm 0.1	AQ250 Te ppm 0.02	AQ250 Ga ppm 0.1	AQ250 Cs ppm 0.02	AQ250 Ge ppm 0.1	AQ250 Hf ppm 0.02	AQ250 Nb ppm 0.02	AQ250 Rb ppm 0.1	AQ250 Sn ppm 0.1	AQ250 Ta ppm 0.05	AQ250 Zr ppm 0.1	AQ250 Y ppm 0.01	AQ250 Ce ppm 0.1	AQ250 In ppm 0.02	AQ250 Re ppb 1	AQ250 Be ppm 0.1	AQ250 Li ppm 0.1	AQ250 Pd ppb 10	AQ250 Pt ppb 2
STD DS11	Standard	2.3	4.70	4.7	2.68	<0.1	0.05	1.17	34.3	1.7	<0.05	2.6	7.87	33.7	0.23	42	0.7	23.3	100	163
STD DS11	Standard	2.3	4.66	4.5	2.51	<0.1	0.05	1.15	32.3	1.6	<0.05	2.6	7.19	30.8	0.22	41	0.6	20.8	94	152
STD DS11	Standard	2.3	4.86	4.7	2.73	<0.1	0.06	1.24	34.0	1.7	<0.05	2.7	7.74	34.1	0.23	46	0.7	22.3	99	173
STD DS11	Standard	2.2	4.55	4.2	2.47	<0.1	0.06	0.99	30.9	1.5	<0.05	2.5	6.42	28.6	0.22	41	0.6	21.2	94	162
STD DS11	Standard	2.3	4.67	4.5	2.66	<0.1	0.05	1.24	32.6	1.6	<0.05	2.7	7.62	33.3	0.23	43	0.7	23.2	112	163
STD DS11	Standard	2.1	4.42	4.6	2.51	<0.1	0.05	1.20	32.6	1.6	<0.05	2.6	7.26	32.3	0.21	42	0.6	21.3	88	161
STD GS311-1	Standard																			
STD GS311-1	Standard																			
STD GS311-1	Standard																			
STD GS910-4	Standard																			
STD GS910-4	Standard																			
STD GS910-4	Standard																			
STD OREAS262	Standard	0.5	0.24	3.7	2.64	<0.1	0.17	<0.02	19.4	0.5	<0.05	8.9	10.73	32.9	0.03	<1	1.1	16.3	<10	<2
STD OREAS262	Standard	0.6	0.24	3.8	2.57	<0.1	0.19	<0.02	19.8	0.5	<0.05	9.2	11.32	31.5	0.03	<1	1.2	17.4	<10	<2
STD OREAS262	Standard	0.7	0.24	3.3	2.38	<0.1	0.18	<0.02	16.9	0.4	<0.05	8.5	10.08	26.5	0.03	<1	1.1	16.5	<10	<2
STD OREAS262	Standard	0.7	0.25	3.4	2.38	<0.1	0.22	<0.02	17.4	0.5	<0.05	10.4	10.64	27.6	0.03	1	1.1	16.5	<10	2
STD OREAS279	Standard																			
STD OREAS279	Standard																			
STD OREAS279	Standard																			
STD OREAS279	Standard																			
STD OREAS262	Standard	0.5	0.23	3.2	2.29	<0.1	0.21	<0.02	17.5	0.5	<0.05	9.7	10.08	27.3	0.03	<1	1.0	16.4	<10	<2
STD SO-19	Standard																			
STD SO-19	Standard																			
STD SO-19	Standard																			
STD SO-19	Standard																			
STD SO-19	Standard																			
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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

QUALITY CONTROL REPORT VAN22003530.1

		LF300 SiO2 % 0.01	LF300 Al2O3 % 0.01	LF300 Fe2O3 % 0.04	LF300 MgO % 0.01	LF300 CaO % 0.01	LF300 Na2O % 0.01	LF300 K2O % 0.01	LF300 TiO2 % 0.01	LF300 P2O5 % 0.01	LF300 MnO % 0.01	LF300 Cr2O3 % 0.002	LF300 Cu ppm 5	LF300 Ba ppm 5	LF300 Zn ppm 5	LF300 Ni ppm 20	LF300 Co ppm 20	LF300 Sr ppm 2	LF300 Zr ppm 5	LF300 Ce ppm 30	LF300 Y ppm 3
STD SO-19	Standard	60.20	13.98	7.41	2.91	6.09	4.16	1.32	0.71	0.33	0.13	0.492	69	475	81	475	29	318	113	152	34
STD SO-19	Standard	60.73	13.84	7.33	2.86	5.94	4.08	1.32	0.70	0.32	0.13	0.494	66	463	80	478	24	310	113	159	34
STD SO-19	Standard	60.89	13.82	7.39	2.86	5.89	4.01	1.28	0.69	0.31	0.13	0.492	64	455	82	458	24	308	108	157	33
STD SO-19	Standard	60.52	13.91	7.47	2.89	5.95	4.07	1.28	0.70	0.32	0.13	0.503	71	468	83	470	24	314	109	152	33
STD OREAS279 Expected																					
STD DS11 Expected																					
STD OREAS262 Expected																					
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD SO-19 Expected		61.13	13.95	7.47	2.88	6	4.11	1.29	0.69	0.32	0.13	0.5	69	486	75	470	24	317.1	112	161	35.5
BLK	Blank																				
BLK	Blank																				
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BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	0.03	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	10	<5	<5	<20	<20	<2	<5	<30	<3
BLK	Blank	0.02	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<5	<5	<5	<20	<20	<2	<5	<30	<3
BLK	Blank	0.06	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<5	<5	<5	<20	<20	<2	<5	<30	<3
BLK	Blank	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<5	<5	<5	<20	<20	<2	<5	<30	<3
BLK	Blank	0.02	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	16	<5	<5	<20	<20	<2	<5	<30	<3
BLK	Blank	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<5	<5	<5	<20	<20	<2	<5	<30	<3

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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: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

QUALITY CONTROL REPORT VAN22003530.1

		LF300 Nb ppm 5	LF300 Sc ppm 1	LF300 LOI % -5.1	LF300 Sum % 0.01	TC000 TOT/C % 0.02	TC000 TOT/S % 0.02	AQ250 Mo ppm 0.01	AQ250 Cu ppm 0.01	AQ250 Pb ppm 0.01	AQ250 Zn ppm 0.1	AQ250 Ag ppb 2	AQ250 Ni ppm 0.1	AQ250 Co ppm 0.1	AQ250 Mn ppm 1	AQ250 Fe % 0.01	AQ250 As ppm 0.1	AQ250 U ppm 0.1	AQ250 Au ppb 0.2	AQ250 Th ppm 0.1	AQ250 Sr ppm 0.5
STD SO-19	Standard	70	27	1.9	99.89																
STD SO-19	Standard	70	26	1.9	99.91																
STD SO-19	Standard	72	26	1.9	99.91																
STD SO-19	Standard	73	27	1.9	99.91																
STD OREAS279 Expected						1.13	1.27														
STD DS11 Expected								13.9	149	138	345	1710	77.7	14.2	1055	3.1	42.8	2.59	79	7.65	67.3
STD OREAS262 Expected								0.68	118	56	154	450	62	26.9	530	3.284	35.8	1.22	65	9.33	36
STD GS311-1 Expected						1.02	2.35														
STD GS910-4 Expected						2.65	8.27														
STD SO-19 Expected		68.5	27																		
BLK	Blank							<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5
BLK	Blank							<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5
BLK	Blank							<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5
BLK	Blank							<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5
BLK	Blank							<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5
BLK	Blank					<0.02	<0.02														
BLK	Blank					<0.02	<0.02														
BLK	Blank					<0.02	<0.02														
BLK	Blank					<0.02	<0.02														
BLK	Blank							<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5
BLK	Blank					<0.02	<0.02														
BLK	Blank	<5	<1	0.0	0.06																
BLK	Blank	<5	<1	0.0	<0.01																
BLK	Blank	<5	<1	0.0	0.02																
BLK	Blank	<5	<1	0.0	<0.01																
BLK	Blank	<5	<1	0.0	<0.01																
BLK	Blank	<5	<1	0.0	<0.01																

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

QUALITY CONTROL REPORT VAN22003530.1

		AQ250 Cd ppm 0.01	AQ250 Sb ppm 0.02	AQ250 Bi ppm 0.02	AQ250 V ppm 1	AQ250 Ca % 0.01	AQ250 P % 0.001	AQ250 La ppm 0.5	AQ250 Cr ppm 0.5	AQ250 Mg % 0.01	AQ250 Ba ppm 0.5	AQ250 Ti % 0.001	AQ250 B ppm 20	AQ250 Al % 0.01	AQ250 Na % 0.001	AQ250 K % 0.01	AQ250 W ppm 0.1	AQ250 Sc ppm 0.1	AQ250 Tl ppm 0.02	AQ250 S % 0.02	AQ250 Hg ppb 5
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD OREAS279 Expected																					
STD DS11 Expected		2.37	7.2	12.2	50	1.063	0.0701	18.6	61.5	0.85	417	0.0976		1.129	0.0694	0.4	2.9	3.1	4.9	0.2835	260
STD OREAS262 Expected		0.61	3.39	1.03	22.5	2.98	0.04	15.9	41.7	1.17	248	0.003		1.3	0.071	0.312	0.13	3.24	0.47	0.269	170
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD SO-19 Expected																					
BLK	Blank	<0.01	<0.02	<0.02	<1	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5
BLK	Blank	<0.01	<0.02	<0.02	<1	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5
BLK	Blank	<0.01	<0.02	<0.02	<1	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5
BLK	Blank	<0.01	<0.02	<0.02	<1	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5
BLK	Blank	<0.01	<0.02	<0.02	<1	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<0.02	<0.02	<1	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5
BLK	Blank																				
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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_2
Report Date: February 07, 2023

QUALITY CONTROL REPORT VAN22003530.1

		AQ250 Se ppm 0.1	AQ250 Te ppm 0.02	AQ250 Ga ppm 0.1	AQ250 Cs ppm 0.02	AQ250 Ge ppm 0.1	AQ250 Hf ppm 0.02	AQ250 Nb ppm 0.02	AQ250 Rb ppm 0.1	AQ250 Sn ppm 0.1	AQ250 Ta ppm 0.05	AQ250 Zr ppm 0.1	AQ250 Y ppm 0.01	AQ250 Ce ppm 0.1	AQ250 In ppm 0.02	AQ250 Re ppb 1	AQ250 Be ppm 0.1	AQ250 Li ppm 0.1	AQ250 Pd ppb 10	AQ250 Pt ppb 2
STD SO-19	Standard																			
STD SO-19	Standard																			
STD SO-19	Standard																			
STD SO-19	Standard																			
STD OREAS279 Expected																				
STD DS11 Expected		2.2	4.56	4.7	2.88	0.08	0.06	1.2	33.6	1.8		2.4	7.82	37	0.24	50	0.67	23.3	100	172
STD OREAS262 Expected		0.4	0.23	3.9	2.8		0.17		18.6	0.5		7.7	11.2	32	0.033		1.14	17.8		
STD GS311-1 Expected																				
STD GS910-4 Expected																				
STD SO-19 Expected																				
BLK	Blank	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank																			
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BUREAU VERITAS
MINERAL LABORATORIES
Canada

www.bvna.com/mining-laboratory-services

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Submitted By:	Wayne Jackaman
Receiving Lab:	Canada-Vancouver
Received:	December 02, 2022
Analysis Start:	February 01, 2023
Report Date:	February 13, 2023
Page:	1 of 9

CERTIFICATE OF ANALYSIS VAN22003531.1

CLIENT JOB INFORMATION

Project:	CICGR22_TILL_RE_3
Shipment ID:	
P.O. Number	
Number of Samples:	240

SAMPLE DISPOSAL

IMM-PLP Return immediately after analysis

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
SLBHP	240	Sorting, labeling and boxing samples received as pulps			VAN
LF302-EXT	240	LiBO2/LiB4O7 fusion ICP-ES analysis	0.2	Completed	VAN
AQ250_EXT	240	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Noble Exploration Services Ltd.
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1
Canada

CC:

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_3
Report Date: February 13, 2023

CERTIFICATE OF ANALYSIS VAN22003531.1

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y
	Unit	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3
90-PMA-0176	Till Pulp	62.30	15.01	6.03	1.96	2.64	2.72	1.89	0.85	0.23	0.10	0.014	40	852	92	36	<20	332	150	56	22
90-PMA-0178	Till Pulp	58.13	15.42	6.74	1.95	3.85	2.38	1.66	0.85	0.24	0.14	0.012	44	875	99	43	23	318	141	52	22
90-PMA-0215	Till Pulp	61.06	11.12	5.84	4.97	4.57	2.18	1.49	0.89	0.21	0.10	0.040	58	1135	118	195	26	258	134	46	20
90-PMA-0229	Till Pulp	66.13	11.31	5.69	2.77	2.95	2.27	1.52	0.73	0.19	0.11	0.029	71	1778	124	143	21	234	165	52	21
91-PMA-0031	Till Pulp	66.97	13.44	5.40	1.45	3.08	3.19	2.07	0.85	0.27	0.09	0.018	27	1091	68	30	<20	470	227	53	22
91-PMA-0031-b	Rock Pulp	71.87	12.07	4.02	1.70	3.25	3.47	1.47	0.38	0.13	0.06	0.015	156	464	215	92	53	393	166	57	10
91-PMA-0038	Till Pulp	61.28	14.30	5.96	2.17	2.53	2.46	1.86	0.83	0.24	0.12	0.012	48	1048	104	55	<20	401	189	55	21
91-PMA-0040	Till Pulp	63.87	14.70	5.98	1.85	2.64	2.76	1.96	0.86	0.26	0.11	0.013	50	938	94	40	<20	395	192	63	22
91-PMA-0049	Till Pulp	62.02	14.41	6.46	3.31	2.71	1.95	1.88	0.78	0.19	0.11	0.023	57	1097	115	105	22	236	142	50	22
91-PMA-0064	Till Pulp	64.88	13.53	6.31	2.17	3.17	2.78	1.50	0.87	0.28	0.12	0.015	49	756	95	39	<20	372	180	55	24
91-PMA-0093	Till Pulp	57.99	16.40	7.07	2.82	2.55	1.94	2.06	0.80	0.21	0.13	0.014	60	998	121	71	24	280	138	52	22
91-PMA-0094-1	Till Pulp	65.80	12.93	5.49	2.29	2.70	2.54	1.58	0.85	0.22	0.11	0.016	42	867	90	62	<20	280	149	42	22
91-PMA-0098	Till Pulp	57.52	10.58	6.46	4.75	5.88	1.48	1.62	1.12	0.21	0.10	0.033	67	1672	97	177	28	198	146	46	20
91-PMA-0112	Till Pulp	64.74	12.22	5.63	3.37	3.25	2.33	1.54	0.80	0.20	0.10	0.031	43	929	87	133	20	251	164	50	21
91-PMA-0115	Till Pulp	59.71	13.69	6.47	3.39	3.60	2.11	1.78	0.77	0.20	0.12	0.026	65	1021	155	124	25	249	128	31	21
91-PMA-0117	Till Pulp	57.36	10.82	5.83	3.74	7.71	2.08	1.39	0.81	0.20	0.10	0.033	59	937	134	150	22	268	125	52	19
91-PMA-0118	Till Pulp	63.00	11.97	5.73	3.07	4.36	2.41	1.52	0.80	0.21	0.10	0.026	52	866	150	121	24	263	135	44	21
91-PMA-0119	Till Pulp	62.53	12.22	6.66	4.30	2.65	2.19	1.57	0.80	0.21	0.11	0.041	57	949	121	233	29	231	139	48	21
91-PMA-0121	Till Pulp	54.25	10.94	7.27	9.03	4.44	1.58	1.45	0.63	0.18	0.11	0.081	61	944	183	525	42	208	109	<30	19
91-PMA-0123	Till Pulp	66.70	11.87	5.88	2.51	2.80	2.14	1.52	0.75	0.20	0.12	0.020	72	1134	116	89	21	230	156	44	22
91-PMA-0125	Till Pulp	56.67	10.89	6.03	6.13	5.44	1.89	1.50	0.67	0.18	0.10	0.054	53	1016	212	343	36	262	127	31	20
91-PMA-0126	Till Pulp	59.27	13.17	6.13	3.28	3.94	2.08	1.64	0.83	0.20	0.10	0.028	53	963	116	139	23	245	160	40	22
91-PMA-0128	Till Pulp	60.01	14.36	6.61	3.08	3.02	2.03	1.77	0.76	0.20	0.11	0.023	53	975	107	119	24	225	149	36	22
91-PMA-0129	Till Pulp	57.44	13.32	6.68	4.21	4.86	1.97	1.65	0.75	0.19	0.11	0.033	69	989	193	192	32	259	128	44	21
91-PMA-0131	Till Pulp	60.16	13.32	6.25	3.32	4.21	2.13	1.63	0.78	0.20	0.11	0.023	62	969	126	109	<20	264	136	36	21
91-PMA-0132	Till Pulp	56.38	11.06	6.00	4.27	7.11	1.97	1.41	0.76	0.19	0.10	0.039	60	932	140	221	31	267	123	35	19
91-PMA-0133	Till Pulp	61.47	14.47	7.20	2.77	1.61	1.99	1.72	0.84	0.21	0.13	0.026	71	1013	142	128	24	210	120	33	24
91-PMA-0135	Till Pulp	64.24	13.22	6.44	3.04	2.03	2.26	1.55	0.85	0.22	0.12	0.031	56	924	149	151	22	233	131	53	24
91-PMA-0137	Till Pulp	61.91	13.64	6.68	3.96	1.85	2.05	1.67	0.81	0.21	0.11	0.032	59	953	128	206	27	211	148	39	23
91-PMA-0138	Till Pulp	61.62	13.62	6.72	4.01	1.79	2.03	1.71	0.80	0.19	0.11	0.034	59	962	129	211	24	210	140	41	23

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_3
Report Date: February 13, 2023

CERTIFICATE OF ANALYSIS VAN22003531.1

	Method	LF300	LF300	LF300	LF300	TC000	TC000	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Nb	Sc	LOI	Sum	TOT/C	TOT/S	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
	Unit	ppm	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm
	MDL	5	1	-5.1	0.01	0.02	0.02	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5
90-PMA-0176	Till Pulp	13	16	6.0	99.93	0.52	0.03	0.68	35.83	10.02	90.0	122	35.1	14.9	739	3.64	10.6	0.6	1.0	2.9	83.1
90-PMA-0178	Till Pulp	11	18	8.4	99.93	0.75	<0.02	0.66	42.93	10.50	103.4	112	41.2	20.6	1105	4.26	18.6	0.6	1.5	3.0	97.3
90-PMA-0215	Till Pulp	15	15	7.2	99.89	1.20	0.13	1.93	58.28	8.11	117.9	174	170.8	23.5	719	3.34	7.5	0.8	0.3	2.7	100.1
90-PMA-0229	Till Pulp	6	14	5.9	99.92	0.57	0.03	2.42	72.63	16.24	124.3	305	121.5	19.4	762	3.48	13.3	0.6	3.4	3.6	62.1
91-PMA-0031	Till Pulp	15	12	2.9	99.94	0.16	<0.02	0.62	23.77	6.07	60.7	39	23.7	8.8	456	2.82	4.0	1.2	0.6	3.5	50.1
91-PMA-0031-b	Rock Pulp	21	9	1.3	99.94	0.06	0.04	13.61	168.42	298.82	235.7	114	85.1	54.3	290	1.71	10.9	0.5	36.5	4.0	36.0
91-PMA-0038	Till Pulp	14	15		91.98	0.27	<0.02	0.76	40.85	9.82	93.7	66	52.9	16.5	844	3.56	9.4	0.8	0.6	4.6	63.1
91-PMA-0040	Till Pulp	15	15		95.20	0.38	<0.02	1.01	34.44	10.58	81.9	67	35.1	13.7	719	3.38	8.3	0.8	1.0	4.1	68.5
91-PMA-0049	Till Pulp	8	17		94.04	0.86	0.03	1.15	56.00	11.57	106.7	169	87.2	19.0	769	3.77	7.5	0.9	1.1	3.4	63.1
91-PMA-0064	Till Pulp	16	16	4.1	99.94	0.19	<0.02	0.92	48.84	6.81	87.5	66	33.8	14.3	714	3.35	9.0	0.6	1.3	3.2	52.0
91-PMA-0093	Till Pulp	5	19	7.7	99.91	0.83	<0.02	1.46	57.01	13.95	122.1	179	68.2	21.4	984	4.35	14.2	0.9	<0.2	3.5	89.7
91-PMA-0094-1	Till Pulp	12	15	5.2	99.92	0.68	0.07	1.12	38.20	13.53	81.4	140	51.6	14.1	729	3.18	8.3	0.6	2.5	2.9	69.2
91-PMA-0098	Till Pulp	15	16	9.9	99.88	1.61	<0.02	1.42	64.79	8.62	88.1	132	158.3	25.4	685	3.39	16.4	0.9	1.2	2.8	86.7
91-PMA-0112	Till Pulp	9	15	5.5	99.91	0.74	0.05	0.74	42.71	7.74	82.0	129	122.3	19.0	605	3.26	8.0	0.6	<0.2	2.6	57.8
91-PMA-0115	Till Pulp	10	17	7.8	99.90	0.84	<0.02	2.08	60.31	9.69	151.2	93	112.8	22.5	818	3.95	11.8	0.7	1.0	3.2	87.1
91-PMA-0117	Till Pulp	8	15	9.6	99.91	1.95	<0.02	1.90	58.06	8.96	133.2	116	137.3	23.7	687	3.39	13.5	0.7	0.9	2.7	111.8
91-PMA-0118	Till Pulp	8	15	6.5	99.91	0.89	<0.02	1.92	50.22	8.96	143.1	45	110.8	19.9	701	3.36	10.5	0.6	0.6	2.8	80.5
91-PMA-0119	Till Pulp	9	16	6.4	99.89	0.61	<0.02	2.06	53.53	12.09	113.5	101	214.1	24.6	748	3.95	12.2	0.6	9.6	2.8	61.2
91-PMA-0121	Till Pulp	13	16		90.20	1.68	<0.02	3.84	55.65	10.68	174.6	147	512.1	41.5	778	4.41	12.6	0.7	0.6	2.6	112.3
91-PMA-0123	Till Pulp	12	15	5.2	99.94	0.53	<0.02	2.59	69.15	12.94	117.9	75	82.4	18.1	792	3.58	12.6	0.6	5.5	3.2	45.9
91-PMA-0125	Till Pulp	8	15	10.0	99.85	1.80	<0.02	4.16	48.74	8.65	209.0	135	325.7	31.8	707	3.51	10.2	0.7	0.8	2.7	129.3
91-PMA-0126	Till Pulp	11	16	9.0	99.90	1.10	<0.02	1.30	52.09	11.18	111.4	172	127.5	21.5	710	3.63	11.4	0.6	0.6	3.3	76.3
91-PMA-0128	Till Pulp	9	18	7.7	99.90	0.86	<0.02	1.08	50.65	12.22	104.3	162	109.1	21.1	770	4.09	10.5	0.6	<0.2	3.2	69.3
91-PMA-0129	Till Pulp	9	18		91.43	1.27	<0.02	2.53	66.92	18.07	190.0	304	182.0	29.3	821	4.11	20.9	0.8	0.6	3.4	118.4
91-PMA-0131	Till Pulp	13	17	7.6	99.90	1.03	<0.02	1.47	54.11	10.76	118.0	133	99.6	20.1	749	3.58	13.3	0.6	0.8	3.1	88.5
91-PMA-0132	Till Pulp	9	15	10.4	99.89	1.81	<0.02	1.90	55.42	8.05	132.3	131	204.8	25.0	673	3.52	11.3	0.6	2.1	2.5	119.9
91-PMA-0133	Till Pulp	8	18	7.3	99.91	0.50	<0.02	1.61	68.29	13.01	143.4	110	114.9	23.5	999	4.60	11.8	0.7	0.5	3.2	62.3
91-PMA-0135	Till Pulp	14	17	5.7	99.91	0.43	<0.02	1.39	55.84	12.07	144.2	91	135.3	22.4	890	4.07	12.3	0.6	1.4	3.2	60.5
91-PMA-0137	Till Pulp	11	18	6.8	99.89	0.53	<0.02	1.36	57.13	9.31	127.0	115	195.7	24.3	769	4.13	10.9	0.6	0.8	3.2	57.1
91-PMA-0138	Till Pulp	11	18	7.0	99.89	0.52	<0.02	1.35	58.89	9.28	120.8	118	200.2	23.5	785	4.20	10.7	0.6	0.9	3.3	59.1

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_3
Report Date: February 13, 2023

CERTIFICATE OF ANALYSIS VAN22003531.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg
	Unit	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb
	MDL	0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5
90-PMA-0176	Till Pulp	0.34	0.49	0.16	68	1.14	0.104	14.4	30.3	0.94	297.3	0.072	<20	1.84	0.035	0.15	<0.1	8.3	0.09	0.03	81
90-PMA-0178	Till Pulp	0.31	0.75	0.17	78	2.14	0.116	16.9	32.9	0.97	371.2	0.055	<20	2.09	0.040	0.13	<0.1	11.6	0.12	<0.02	111
90-PMA-0215	Till Pulp	0.95	0.74	0.13	67	2.40	0.092	12.0	135.2	2.47	401.9	0.134	<20	1.48	0.024	0.11	<0.1	7.7	0.19	0.14	778
90-PMA-0229	Till Pulp	0.74	0.66	0.31	52	1.38	0.092	15.0	91.6	1.09	916.2	0.078	<20	1.28	0.018	0.11	<0.1	6.8	0.23	0.04	181
91-PMA-0031	Till Pulp	0.11	0.28	0.09	75	0.53	0.122	21.8	39.4	0.42	164.7	0.128	<20	1.08	0.039	0.11	<0.1	5.0	0.11	<0.02	60
91-PMA-0031-b	Rock Pulp	0.64	0.18	0.17	25	0.61	0.060	29.4	33.3	0.51	67.7	0.080	<20	0.84	0.090	0.12	0.1	3.6	0.09	0.04	13
91-PMA-0038	Till Pulp	0.37	0.37	0.17	78	0.72	0.114	18.7	45.3	0.93	272.7	0.101	<20	1.83	0.036	0.18	<0.1	7.6	0.20	<0.02	72
91-PMA-0040	Till Pulp	0.20	0.40	0.14	72	0.67	0.109	17.8	37.5	0.73	206.1	0.100	<20	1.58	0.036	0.14	<0.1	7.2	0.13	<0.02	68
91-PMA-0049	Till Pulp	0.43	0.42	0.17	69	1.25	0.086	13.8	71.1	1.47	327.7	0.073	<20	2.00	0.028	0.17	<0.1	8.7	0.14	0.02	121
91-PMA-0064	Till Pulp	0.50	0.59	0.09	81	0.63	0.134	15.5	40.7	0.69	212.2	0.130	<20	1.57	0.034	0.23	<0.1	7.7	0.22	<0.02	29
91-PMA-0093	Till Pulp	0.63	0.34	0.19	78	1.24	0.091	16.1	55.0	1.34	295.7	0.058	<20	2.33	0.037	0.19	<0.1	10.6	0.15	<0.02	103
91-PMA-0094-1	Till Pulp	0.43	0.41	0.13	61	1.16	0.096	13.8	47.4	0.98	213.0	0.087	<20	1.49	0.024	0.11	<0.1	6.7	0.10	0.07	115
91-PMA-0098	Till Pulp	0.47	2.74	0.13	60	3.56	0.090	12.5	89.4	2.22	562.9	0.092	<20	1.29	0.016	0.14	0.1	8.6	0.16	<0.02	12905
91-PMA-0112	Till Pulp	0.45	0.39	0.12	60	1.41	0.088	12.5	80.1	1.56	306.9	0.093	<20	1.48	0.021	0.12	<0.1	6.8	0.12	0.05	145
91-PMA-0115	Till Pulp	1.12	0.68	0.14	83	1.95	0.085	14.6	87.1	1.60	258.7	0.098	<20	2.06	0.028	0.15	<0.1	9.6	0.33	<0.02	202
91-PMA-0117	Till Pulp	1.47	0.93	0.12	74	5.08	0.093	12.9	102.2	1.80	269.3	0.122	<20	1.53	0.024	0.09	<0.1	8.2	0.26	<0.02	1135
91-PMA-0118	Till Pulp	1.33	0.74	0.12	73	2.30	0.090	13.6	70.3	1.43	188.2	0.105	<20	1.58	0.025	0.08	<0.1	8.0	0.27	<0.02	285
91-PMA-0119	Till Pulp	0.53	0.75	0.13	76	1.13	0.087	13.3	110.7	2.12	219.4	0.099	<20	1.73	0.021	0.11	<0.1	8.5	0.36	<0.02	708
91-PMA-0121	Till Pulp	1.54	0.88	0.13	85	2.63	0.073	11.8	198.3	4.98	321.9	0.067	<20	1.85	0.023	0.14	<0.1	9.7	0.57	<0.02	202
91-PMA-0123	Till Pulp	0.63	0.60	0.19	60	1.20	0.087	14.7	61.1	1.07	422.5	0.086	<20	1.49	0.022	0.12	<0.1	7.2	0.21	<0.02	101
91-PMA-0125	Till Pulp	2.68	1.13	0.11	80	3.24	0.083	12.4	139.9	3.32	375.9	0.085	<20	1.59	0.023	0.13	<0.1	8.6	0.71	<0.02	304
91-PMA-0126	Till Pulp	0.81	0.64	0.14	72	2.05	0.086	14.0	83.5	1.57	251.7	0.089	<20	1.85	0.023	0.13	<0.1	8.7	0.21	<0.02	1852
91-PMA-0128	Till Pulp	0.39	0.32	0.16	79	1.55	0.083	14.0	72.7	1.50	290.0	0.075	<20	2.26	0.025	0.14	<0.1	10.1	0.13	<0.02	171
91-PMA-0129	Till Pulp	1.90	1.41	0.16	90	2.87	0.083	14.4	113.9	2.19	285.2	0.100	<20	2.37	0.028	0.15	<0.1	11.4	0.28	<0.02	853
91-PMA-0131	Till Pulp	0.88	0.82	0.15	73	2.20	0.080	13.5	72.9	1.52	251.0	0.089	<20	1.86	0.027	0.12	<0.1	8.9	0.18	<0.02	202
91-PMA-0132	Till Pulp	1.40	0.78	0.12	81	4.66	0.079	12.7	110.1	2.13	238.2	0.108	<20	1.71	0.025	0.10	<0.1	8.2	0.37	<0.02	494
91-PMA-0133	Till Pulp	0.44	0.76	0.16	95	0.75	0.084	15.8	87.2	1.30	262.0	0.100	<20	2.33	0.024	0.12	<0.1	10.7	0.26	<0.02	201
91-PMA-0135	Till Pulp	0.64	0.81	0.13	82	0.85	0.093	15.6	85.4	1.45	219.6	0.103	<20	1.94	0.024	0.10	<0.1	9.5	0.25	<0.02	999
91-PMA-0137	Till Pulp	0.44	0.41	0.15	79	0.75	0.087	14.5	107.7	2.01	252.6	0.087	<20	2.05	0.024	0.14	<0.1	10.5	0.19	<0.02	172
91-PMA-0138	Till Pulp	0.43	0.44	0.16	79	0.73	0.081	14.2	106.8	2.05	254.7	0.087	<20	2.09	0.024	0.14	<0.1	10.3	0.19	<0.02	163

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BUREAU VERITAS MINERAL LABORATORIES Canada

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_3
Report Date: February 13, 2023

CERTIFICATE OF ANALYSIS VAN22003531.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
90-PMA-0176	Till Pulp	<0.1	0.03	5.4	1.62	<0.1	0.21	0.07	8.6	0.8	<0.05	8.8	12.90	29.7	0.04	<1	0.4	14.7	<10	3
90-PMA-0178	Till Pulp	0.1	0.03	6.2	3.14	<0.1	0.18	0.05	8.6	0.7	<0.05	9.6	15.33	33.7	0.08	<1	0.7	14.3	<10	2
90-PMA-0215	Till Pulp	1.9	0.05	4.8	1.08	<0.1	0.22	0.11	5.9	0.5	<0.05	8.7	10.99	24.7	0.03	2	0.5	12.7	<10	4
90-PMA-0229	Till Pulp	0.4	0.04	4.0	0.89	<0.1	0.24	0.05	6.7	0.6	<0.05	9.6	10.72	29.5	0.05	<1	0.3	10.2	<10	<2
91-PMA-0031	Till Pulp	0.1	0.03	3.6	0.78	<0.1	0.24	0.13	7.9	0.5	<0.05	14.2	13.07	38.7	0.02	<1	0.3	5.8	<10	<2
91-PMA-0031-b	Rock Pulp	0.1	<0.02	3.1	1.30	<0.1	0.18	0.28	8.0	2.4	<0.05	6.6	6.22	47.7	0.04	<1	0.2	9.1	40	28
91-PMA-0038	Till Pulp	0.2	0.03	5.9	2.52	<0.1	0.13	0.04	16.6	0.7	<0.05	8.1	11.62	36.3	0.04	<1	0.9	12.5	<10	5
91-PMA-0040	Till Pulp	0.2	0.04	5.2	1.55	<0.1	0.14	0.04	10.1	1.9	<0.05	9.6	12.94	35.3	0.03	<1	0.8	11.2	<10	<2
91-PMA-0049	Till Pulp	0.4	0.05	6.3	1.57	<0.1	0.20	0.08	9.4	1.9	<0.05	9.0	11.68	27.6	0.04	<1	0.5	16.1	<10	4
91-PMA-0064	Till Pulp	<0.1	0.03	5.0	1.64	<0.1	0.25	0.03	14.2	0.4	<0.05	9.8	12.70	30.6	0.03	1	0.3	10.3	<10	2
91-PMA-0093	Till Pulp	0.3	0.03	7.1	2.07	<0.1	0.21	0.04	10.7	1.4	<0.05	8.5	13.54	31.0	0.04	3	0.6	18.2	<10	4
91-PMA-0094-1	Till Pulp	0.3	0.03	4.5	1.11	<0.1	0.21	0.08	6.0	5.0	<0.05	7.9	11.24	27.0	0.04	2	0.4	11.8	<10	<2
91-PMA-0098	Till Pulp	0.2	0.04	4.0	3.03	<0.1	0.21	0.05	6.7	2.1	<0.05	7.4	10.97	24.3	0.03	3	0.2	10.7	<10	2
91-PMA-0112	Till Pulp	0.5	0.03	4.6	1.09	<0.1	0.20	0.06	6.7	0.6	<0.05	7.4	10.52	24.3	0.03	2	0.2	11.9	<10	4
91-PMA-0115	Till Pulp	0.3	0.05	6.3	1.74	<0.1	0.21	0.06	8.5	0.7	<0.05	8.4	11.89	27.3	0.04	<1	0.5	18.8	<10	3
91-PMA-0117	Till Pulp	0.4	0.04	5.2	1.24	<0.1	0.20	0.14	5.8	0.5	<0.05	8.2	11.55	24.6	0.04	1	0.3	14.2	<10	3
91-PMA-0118	Till Pulp	0.3	0.03	4.9	1.33	<0.1	0.23	0.06	5.5	0.4	<0.05	7.8	11.15	26.6	0.02	<1	0.5	14.0	<10	4
91-PMA-0119	Till Pulp	0.5	0.03	5.3	1.32	<0.1	0.17	0.07	6.4	3.6	<0.05	6.5	11.43	25.5	0.05	1	0.4	13.1	<10	<2
91-PMA-0121	Till Pulp	0.7	0.05	5.7	1.29	<0.1	0.15	0.04	8.4	2.9	<0.05	6.1	11.86	22.6	0.04	7	0.5	16.3	<10	3
91-PMA-0123	Till Pulp	0.5	0.07	4.6	1.21	<0.1	0.24	0.05	7.4	1.8	<0.05	8.5	11.62	28.4	0.03	<1	0.2	11.2	<10	<2
91-PMA-0125	Till Pulp	1.0	0.04	5.0	1.15	<0.1	0.19	0.06	7.3	1.4	<0.05	6.9	11.57	23.2	0.04	5	0.5	13.7	<10	3
91-PMA-0126	Till Pulp	0.4	0.04	5.7	1.48	<0.1	0.16	0.08	7.5	3.2	<0.05	6.3	12.09	27.5	0.03	1	0.5	14.8	<10	<2
91-PMA-0128	Till Pulp	0.2	0.07	6.6	1.57	<0.1	0.18	0.06	8.3	2.2	<0.05	7.2	12.14	26.8	0.04	2	0.4	17.9	<10	<2
91-PMA-0129	Till Pulp	0.4	0.02	7.5	2.39	<0.1	0.19	0.04	8.6	2.9	<0.05	7.8	13.15	27.5	0.05	5	0.5	19.7	<10	<2
91-PMA-0131	Till Pulp	0.3	0.04	5.8	1.51	<0.1	0.23	0.04	7.5	0.6	<0.05	7.7	11.79	26.0	0.04	1	0.6	15.5	<10	<2
91-PMA-0132	Till Pulp	0.5	0.05	5.5	1.21	<0.1	0.12	0.19	6.5	0.6	<0.05	5.6	11.01	24.1	0.03	2	0.4	14.7	<10	2
91-PMA-0133	Till Pulp	0.5	0.05	7.4	2.35	<0.1	0.20	0.10	8.4	0.8	<0.05	8.1	15.35	28.7	0.04	<1	0.4	20.3	<10	2
91-PMA-0135	Till Pulp	0.4	0.04	6.1	1.53	<0.1	0.16	0.09	6.6	0.7	<0.05	6.7	14.30	29.5	0.03	1	0.4	16.3	<10	2
91-PMA-0137	Till Pulp	0.2	0.05	6.3	1.36	<0.1	0.18	0.05	8.5	0.6	<0.05	6.9	13.18	28.3	0.04	<1	0.7	16.8	<10	4
91-PMA-0138	Till Pulp	0.2	0.04	6.2	1.37	<0.1	0.21	0.04	8.5	0.7	<0.05	7.2	12.64	27.7	0.04	1	0.6	16.1	<10	<2

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BUREAU VERITAS MINERAL LABORATORIES Canada

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Project: CICGR22_TILL_RE_3
Report Date: February 13, 2023

CERTIFICATE OF ANALYSIS VAN22003531.1

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y
	Unit	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3
91-PMA-0139	Till Pulp	63.33	14.27	6.55	2.21	1.72	2.23	1.73	0.79	0.20	0.13	0.019	60	952	105	88	22	219	146	52	25
91-PMA-0140	Till Pulp	62.48	14.62	6.76	2.31	1.75	2.21	1.85	0.81	0.19	0.13	0.018	63	940	118	85	21	221	150	47	25
91-PMA-0140-b	Rock Pulp	71.81	12.04	3.83	1.64	3.40	3.42	1.49	0.37	0.12	0.06	0.009	26	480	35	34	<20	395	155	45	11
91-PMA-0144	Till Pulp	65.02	13.01	6.36	2.54	1.90	2.35	1.66	0.77	0.21	0.12	0.033	58	1031	128	143	23	242	143	49	22
91-PMA-0147	Till Pulp	59.13	14.29	6.98	2.81	3.61	2.11	1.81	0.76	0.21	0.14	0.020	73	1017	120	87	25	264	131	34	22
91-PMA-0148	Till Pulp	58.51	14.20	6.96	2.79	3.80	2.11	1.83	0.75	0.23	0.13	0.020	74	1011	132	83	22	263	130	42	23
91-PMA-0149	Till Pulp	63.59	13.47	5.99	2.26	3.25	2.50	1.78	0.77	0.21	0.12	0.017	54	902	98	70	<20	285	160	42	21
91-PMA-0150-1	Till Pulp	63.01	13.06	5.84	2.81	3.71	2.45	1.74	0.78	0.21	0.11	0.019	60	885	101	76	<20	301	141	<30	21
91-PMA-0150-2	Till Pulp	61.55	13.15	6.28	2.88	4.02	2.45	1.83	0.76	0.21	0.11	0.019	72	954	113	75	21	312	133	49	20
91-PMA-0150-3	Till Pulp	62.72	13.03	5.98	2.49	3.98	2.48	1.73	0.77	0.22	0.12	0.016	67	942	106	67	<20	314	137	34	20
91-PMA-0150-4	Till Pulp	60.97	13.30	6.42	2.97	4.00	2.42	1.84	0.77	0.22	0.12	0.020	72	951	114	74	<20	311	142	37	21
91-PMA-0150-5	Till Pulp	61.74	13.31	6.19	2.52	4.15	2.41	1.77	0.77	0.22	0.12	0.018	67	949	109	70	<20	304	140	<30	20
91-PMA-0153	Till Pulp	62.06	14.61	6.81	2.29	1.88	2.15	1.83	0.78	0.21	0.15	0.020	72	977	127	89	24	247	138	41	23
91-PMA-0154	Till Pulp	61.28	12.88	6.29	3.08	4.09	2.23	1.58	0.75	0.21	0.12	0.026	51	842	104	102	24	274	133	43	21
91-PMA-0156	Till Pulp	61.11	13.60	6.88	2.62	3.68	2.59	1.76	0.75	0.23	0.12	0.018	100	1017	131	73	23	348	131	34	20
91-PMA-0157	Till Pulp	61.82	12.40	5.50	2.08	3.20	2.37	1.57	0.72	0.19	0.12	0.016	47	839	98	71	<20	254	132	32	21
91-PMA-0158	Till Pulp	65.09	12.94	5.71	2.19	3.13	2.51	1.63	0.75	0.20	0.10	0.017	52	895	105	66	21	262	140	36	22
91-PMA-0159	Till Pulp	64.25	12.39	5.52	2.07	4.07	2.36	1.67	0.69	0.22	0.10	0.022	56	1036	132	82	<20	289	136	46	20
91-PMA-0160	Till Pulp	62.06	12.00	5.62	2.45	5.33	2.45	1.64	0.68	0.21	0.11	0.021	61	891	142	74	22	329	138	49	19
91-PMA-0161	Till Pulp	59.37	13.70	6.38	2.19	1.89	2.06	1.64	0.75	0.20	0.13	0.018	67	927	109	83	<20	242	140	30	23
91-PMA-0161-b	Rock Pulp	71.91	12.21	3.96	1.70	3.27	3.45	1.46	0.38	0.12	0.06	0.016	157	460	219	91	52	396	164	49	11
91-PMA-0162	Till Pulp	63.55	12.64	5.83	2.49	4.27	2.59	1.79	0.72	0.23	0.12	0.020	68	983	94	72	22	348	129	36	19
91-PMA-0164	Till Pulp	64.34	13.60	6.56	2.01	2.21	2.51	1.85	0.71	0.22	0.15	0.016	84	1086	105	60	<20	333	133	43	21
91-PMA-0165	Till Pulp	64.58	13.61	6.28	2.26	2.54	2.59	1.87	0.76	0.25	0.14	0.017	78	972	100	63	<20	333	133	35	21
91-PMA-0166	Till Pulp	64.69	13.60	6.21	2.25	2.54	2.60	1.84	0.76	0.25	0.14	0.017	78	975	99	66	22	336	135	46	20
91-PMA-0167	Till Pulp	65.24	12.06	5.23	2.21	4.90	2.81	1.81	0.67	0.23	0.10	0.021	52	979	82	45	<20	402	130	<30	18
91-PMA-0172	Till Pulp	61.48	13.48	6.78	2.61	3.92	2.52	1.84	0.78	0.25	0.15	0.019	86	930	118	66	26	354	151	45	20
91-PMA-0173	Till Pulp	63.02	13.94	7.04	2.20	2.05	2.34	1.74	0.75	0.20	0.13	0.020	87	980	129	81	23	262	130	42	24
91-PMA-0174-1	Till Pulp	62.42	13.23	6.24	2.55	4.14	2.56	1.86	0.73	0.24	0.12	0.019	82	952	99	61	21	366	135	35	20
91-PMA-0174-2	Till Pulp	62.14	13.45	6.49	2.47	3.79	2.54	1.82	0.74	0.25	0.13	0.016	91	976	99	63	23	346	138	37	20

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BUREAU VERITAS MINERAL LABORATORIES Canada

www.bvna.com/mining-laboratory-services

Bureau Veritas Commodities Canada Ltd.

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_3
Report Date: February 13, 2023

CERTIFICATE OF ANALYSIS VAN22003531.1

	Method	LF300	LF300	LF300	LF300	TC000	TC000	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Nb	Sc	LOI	Sum	TOT/C	TOT/S	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
	Unit	ppm	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm
	MDL	5	1	-5.1	0.01	0.02	0.02	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5
91-PMA-0139	Till Pulp	6	18	6.6	99.92	0.40	<0.02	0.88	56.83	11.78	107.7	119	82.7	19.4	944	4.18	11.3	0.6	13.5	3.7	53.1
91-PMA-0140	Till Pulp	6	19	6.6	99.91	0.45	<0.02	0.94	55.42	11.64	102.6	117	85.1	19.5	976	4.22	11.4	0.6	<0.2	3.6	53.6
91-PMA-0140-b	Rock Pulp	6	9	1.6	99.95	0.07	<0.02	0.73	24.58	2.32	23.7	25	18.3	6.4	269	1.54	1.0	0.5	0.3	3.6	32.9
91-PMA-0144	Till Pulp	10	17	5.7	99.92	0.29	<0.02	0.91	52.48	9.05	120.6	44	127.5	21.2	858	3.82	12.6	0.6	1.3	3.1	52.0
91-PMA-0147	Till Pulp	7	19	7.8	99.90	0.80	<0.02	1.22	70.79	10.48	121.5	154	77.5	21.9	1013	4.37	15.3	0.6	0.6	3.8	80.3
91-PMA-0148	Till Pulp	7	20	8.4	99.91	0.82	<0.02	1.20	70.71	10.42	115.5	163	78.0	21.8	971	4.29	14.3	0.6	1.6	3.7	78.0
91-PMA-0149	Till Pulp	11	17	5.8	99.93	0.48	0.02	0.89	47.18	9.21	85.0	74	54.6	16.5	800	3.39	11.0	0.5	1.8	3.2	58.3
91-PMA-0150-1	Till Pulp	13	16	6.0	99.92	0.86	0.07	1.36	53.62	8.67	93.4	178	59.5	16.2	722	3.25	12.9	0.6	1.4	2.8	76.5
91-PMA-0150-2	Till Pulp	9	18	6.4	99.90	0.97	0.07	1.40	56.98	8.11	87.3	195	53.2	16.0	658	3.12	16.2	0.5	1.6	2.5	71.5
91-PMA-0150-3	Till Pulp	9	17	6.2	99.91	0.71	0.03	1.61	59.98	9.25	97.3	162	54.2	17.5	769	3.39	19.0	0.5	2.0	2.9	78.2
91-PMA-0150-4	Till Pulp	11	18	6.7	99.91	0.92	0.06	1.61	67.26	9.52	104.8	231	62.7	18.9	754	3.54	18.4	0.7	1.8	3.0	85.7
91-PMA-0150-5	Till Pulp	10	17	6.5	99.92	0.83	0.02	1.72	65.52	9.90	102.8	172	60.4	18.7	826	3.55	17.6	0.5	2.4	3.1	77.3
91-PMA-0153	Till Pulp	12	18	6.9	99.92	0.52	0.02	1.61	68.63	11.26	126.9	190	75.8	20.2	1063	4.14	15.4	0.5	0.8	3.5	56.9
91-PMA-0154	Till Pulp	11	17	7.2	99.91	0.86	0.03	1.16	50.40	8.36	97.9	134	91.8	22.8	808	3.71	12.8	0.5	0.8	2.7	89.2
91-PMA-0156	Till Pulp	9	18	6.4	99.92	0.54	0.02	2.84	89.46	12.93	127.6	156	64.4	20.2	833	4.10	32.5	0.5	5.3	3.1	91.3
91-PMA-0157	Till Pulp	15	15		90.16	0.64	0.02	1.44	44.74	8.81	94.9	113	57.4	16.2	922	3.33	13.2	0.5	1.1	3.1	70.3
91-PMA-0158	Till Pulp	9	16	5.5	99.93	0.57	0.02	1.16	46.29	9.06	95.5	112	55.4	16.5	698	3.25	9.6	0.5	0.9	3.0	65.0
91-PMA-0159	Till Pulp	7	15	6.4	99.93	0.82	0.03	2.37	49.63	9.01	121.8	138	68.3	15.1	657	3.17	19.2	0.8	1.9	2.7	82.9
91-PMA-0160	Till Pulp	11	16	7.1	99.92	1.11	0.02	2.40	57.63	10.99	131.9	84	64.6	18.3	757	3.25	28.4	0.6	1.7	3.0	113.8
91-PMA-0161	Till Pulp	9	18		88.52	0.38	<0.02	0.97	63.26	10.70	104.8	95	76.8	19.3	954	3.89	12.8	0.6	0.9	3.3	54.2
91-PMA-0161-b	Rock Pulp	17	9	1.2	99.95	0.06	0.05	13.11	158.19	280.06	217.8	109	81.1	52.1	271	1.60	10.1	0.5	36.7	3.7	34.1
91-PMA-0162	Till Pulp	8	17	5.5	99.92	0.63	<0.02	0.97	55.33	7.33	86.0	78	60.5	17.4	752	3.22	12.2	0.5	2.0	2.7	76.0
91-PMA-0164	Till Pulp	12	18	5.5	99.92	0.28	0.02	1.00	77.26	8.44	96.8	93	51.5	16.5	1005	3.80	12.8	0.6	3.0	2.8	63.7
91-PMA-0165	Till Pulp	8	17	4.8	99.92	0.29	0.02	1.12	75.20	8.83	92.8	94	54.9	19.4	970	3.64	14.1	0.5	2.2	3.2	56.4
91-PMA-0166	Till Pulp	12	17	4.8	99.91	0.23	<0.02	1.17	77.77	10.16	96.4	99	56.8	20.2	994	3.72	14.4	0.5	3.1	3.3	56.5
91-PMA-0167	Till Pulp	10	16	4.4	99.92	0.62	<0.02	0.88	45.00	6.06	74.3	67	35.6	12.3	548	2.73	11.3	0.4	1.3	1.9	68.8
91-PMA-0172	Till Pulp	7	19	5.9	99.91	0.52	0.02	2.24	83.60	11.05	112.0	189	56.3	23.9	1029	4.00	16.7	0.5	2.2	2.9	84.2
91-PMA-0173	Till Pulp	10	19	6.3	99.92	0.35	0.02	1.82	88.40	11.30	114.0	206	69.9	21.1	961	4.42	28.7	0.5	8.6	3.0	55.2
91-PMA-0174-1	Till Pulp	9	17	5.6	99.93	0.56	0.02	1.36	72.61	7.71	82.8	170	45.3	17.0	689	3.29	12.8	0.5	1.6	3.0	73.8
91-PMA-0174-2	Till Pulp	13	17	5.9	99.92	0.51	<0.02	1.55	89.28	9.09	101.9	200	55.0	19.9	823	3.91	15.4	0.6	3.0	3.5	87.0

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Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_3
Report Date: February 13, 2023

CERTIFICATE OF ANALYSIS VAN22003531.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg
	Unit	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb
	MDL	0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5
91-PMA-0139	Till Pulp	0.28	0.36	0.16	80	0.67	0.083	15.7	66.5	1.00	258.2	0.089	<20	2.17	0.024	0.14	<0.1	10.1	0.15	<0.02	89
91-PMA-0140	Till Pulp	0.25	0.36	0.17	80	0.68	0.080	15.1	67.4	1.02	253.5	0.086	<20	2.19	0.024	0.13	<0.1	10.2	0.14	<0.02	168
91-PMA-0140-b	Rock Pulp	0.02	0.05	0.03	24	0.69	0.057	18.3	28.8	0.49	60.4	0.082	<20	0.80	0.082	0.12	<0.1	2.9	0.08	<0.02	8
91-PMA-0144	Till Pulp	0.65	0.60	0.13	81	0.64	0.086	14.7	89.6	1.10	270.3	0.113	<20	1.89	0.024	0.13	<0.1	9.7	0.24	<0.02	307
91-PMA-0147	Till Pulp	0.65	0.63	0.18	93	1.90	0.091	15.1	70.0	1.30	280.8	0.108	<20	2.34	0.028	0.16	<0.1	11.4	0.21	<0.02	181
91-PMA-0148	Till Pulp	0.65	0.63	0.17	91	2.03	0.100	15.2	70.1	1.28	274.0	0.102	<20	2.30	0.029	0.15	<0.1	11.5	0.20	<0.02	201
91-PMA-0149	Till Pulp	0.44	0.60	0.15	73	1.36	0.085	13.0	51.1	0.91	205.9	0.085	<20	1.64	0.023	0.10	<0.1	8.1	0.15	<0.02	108
91-PMA-0150-1	Till Pulp	0.53	0.73	0.16	71	1.63	0.088	12.6	54.5	1.16	148.8	0.092	<20	1.54	0.024	0.12	<0.1	7.5	0.13	0.05	180
91-PMA-0150-2	Till Pulp	0.56	0.86	0.15	70	1.65	0.077	11.5	49.9	1.06	172.8	0.083	<20	1.45	0.022	0.12	<0.1	7.5	0.11	0.03	169
91-PMA-0150-3	Till Pulp	0.58	0.94	0.18	75	1.89	0.083	13.4	51.8	1.00	208.8	0.094	<20	1.57	0.024	0.12	<0.1	8.4	0.16	<0.02	142
91-PMA-0150-4	Till Pulp	0.61	0.85	0.17	80	1.84	0.094	12.9	59.3	1.23	196.0	0.093	<20	1.68	0.026	0.14	<0.1	9.1	0.13	0.04	199
91-PMA-0150-5	Till Pulp	0.65	0.94	0.17	79	2.05	0.089	14.2	56.9	1.04	221.2	0.097	<20	1.69	0.026	0.13	<0.1	8.9	0.17	<0.02	162
91-PMA-0153	Till Pulp	0.57	0.85	0.18	89	0.74	0.088	15.2	67.0	0.97	252.6	0.083	<20	2.13	0.023	0.14	<0.1	10.7	0.22	<0.02	176
91-PMA-0154	Till Pulp	0.55	0.87	0.11	73	2.08	0.085	13.0	82.8	1.43	224.6	0.083	<20	1.66	0.021	0.10	<0.1	10.0	0.20	<0.02	353
91-PMA-0156	Till Pulp	0.71	1.70	0.29	95	1.63	0.097	14.4	54.0	1.09	243.4	0.116	<20	1.90	0.036	0.14	0.1	9.8	0.26	<0.02	139
91-PMA-0157	Till Pulp	0.51	0.73	0.12	70	1.57	0.084	13.6	50.4	0.93	228.9	0.087	<20	1.61	0.025	0.11	<0.1	8.3	0.17	<0.02	142
91-PMA-0158	Till Pulp	0.46	0.63	0.13	69	1.45	0.084	13.1	49.0	0.93	214.9	0.082	<20	1.62	0.022	0.11	<0.1	8.3	0.15	<0.02	125
91-PMA-0159	Till Pulp	0.94	1.16	0.20	74	1.98	0.083	13.3	56.3	0.84	285.7	0.077	<20	1.51	0.023	0.12	<0.1	8.4	0.30	<0.02	180
91-PMA-0160	Till Pulp	1.29	1.42	0.26	78	2.88	0.088	13.7	54.1	1.06	202.0	0.091	<20	1.46	0.027	0.13	<0.1	9.0	0.31	<0.02	293
91-PMA-0161	Till Pulp	0.46	0.57	0.17	81	0.69	0.084	15.5	62.8	0.93	267.6	0.091	<20	2.02	0.022	0.12	<0.1	10.0	0.21	<0.02	186
91-PMA-0161-b	Rock Pulp	0.59	0.18	0.17	24	0.56	0.056	28.6	31.1	0.47	65.7	0.076	<20	0.78	0.082	0.11	<0.1	3.3	0.09	0.04	12
91-PMA-0162	Till Pulp	0.73	0.73	0.11	81	1.89	0.092	12.4	51.7	0.99	192.9	0.119	<20	1.60	0.027	0.12	<0.1	8.2	0.18	<0.02	167
91-PMA-0164	Till Pulp	0.38	0.67	0.14	94	0.73	0.094	13.3	55.0	0.80	206.0	0.119	<20	2.04	0.024	0.11	<0.1	10.4	0.17	<0.02	180
91-PMA-0165	Till Pulp	0.53	0.70	0.15	86	0.81	0.098	14.4	53.0	0.88	188.8	0.109	<20	1.83	0.024	0.12	<0.1	9.1	0.16	<0.02	140
91-PMA-0166	Till Pulp	0.57	0.78	0.16	88	0.80	0.108	15.0	54.0	0.89	192.9	0.112	<20	1.82	0.024	0.11	<0.1	9.1	0.16	<0.02	153
91-PMA-0167	Till Pulp	0.62	0.81	0.09	68	1.87	0.089	10.0	38.2	0.73	138.4	0.092	<20	1.15	0.018	0.08	<0.1	5.9	0.13	<0.02	107
91-PMA-0172	Till Pulp	0.74	1.22	0.19	99	1.74	0.107	14.5	50.0	1.07	183.0	0.125	<20	1.95	0.024	0.13	0.1	10.6	0.17	<0.02	171
91-PMA-0173	Till Pulp	0.32	1.43	0.16	92	0.75	0.078	15.0	64.9	0.93	243.2	0.082	<20	2.01	0.022	0.10	<0.1	11.9	0.21	<0.02	235
91-PMA-0174-1	Till Pulp	0.58	0.56	0.14	80	1.66	0.097	12.6	49.5	0.96	155.7	0.106	<20	1.66	0.023	0.12	<0.1	7.9	0.13	<0.02	118
91-PMA-0174-2	Till Pulp	0.68	0.64	0.16	93	1.94	0.111	14.8	57.6	1.15	182.2	0.121	<20	1.98	0.027	0.14	0.1	9.6	0.15	<0.02	159

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CERTIFICATE OF ANALYSIS VAN22003531.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
91-PMA-0139	Till Pulp	0.4	0.03	6.4	1.41	<0.1	0.20	0.07	8.6	1.2	<0.05	7.5	14.20	29.5	0.05	<1	0.7	16.8	<10	3
91-PMA-0140	Till Pulp	0.4	0.04	6.4	1.39	<0.1	0.17	0.07	8.3	0.8	<0.05	7.1	14.57	29.7	0.05	2	0.8	17.5	<10	<2
91-PMA-0140-b	Rock Pulp	<0.1	<0.02	3.1	0.39	<0.1	0.19	0.15	6.9	0.5	<0.05	5.4	5.91	30.2	<0.02	<1	0.2	7.7	<10	<2
91-PMA-0144	Till Pulp	0.4	0.03	5.8	1.11	<0.1	0.25	0.04	7.8	0.7	<0.05	8.8	12.97	28.2	0.05	2	0.6	13.4	<10	3
91-PMA-0147	Till Pulp	0.3	0.04	7.2	1.64	<0.1	0.26	0.05	10.2	0.7	<0.05	9.1	13.87	29.2	0.05	1	0.5	18.7	<10	2
91-PMA-0148	Till Pulp	0.3	0.05	7.2	1.57	<0.1	0.20	0.04	9.9	0.8	<0.05	8.3	13.66	28.6	0.05	2	0.6	18.1	<10	3
91-PMA-0149	Till Pulp	0.2	0.03	4.9	1.01	<0.1	0.18	0.08	6.4	0.6	<0.05	6.7	11.23	26.2	0.04	<1	0.4	13.6	<10	2
91-PMA-0150-1	Till Pulp	0.6	0.05	4.8	1.09	<0.1	0.24	0.09	6.6	0.6	<0.05	7.3	10.75	23.8	0.04	3	0.3	12.6	<10	<2
91-PMA-0150-2	Till Pulp	0.5	0.04	4.7	1.01	<0.1	0.21	0.07	6.3	0.5	<0.05	6.6	9.44	21.4	0.03	1	0.2	12.1	<10	3
91-PMA-0150-3	Till Pulp	0.3	0.04	4.9	1.13	<0.1	0.24	0.06	7.3	0.4	<0.05	7.7	11.05	25.3	0.03	2	0.6	12.5	<10	2
91-PMA-0150-4	Till Pulp	0.6	0.04	5.4	1.16	<0.1	0.21	0.07	7.3	0.6	<0.05	7.6	11.38	24.6	0.03	1	0.3	14.2	<10	<2
91-PMA-0150-5	Till Pulp	0.4	0.06	5.0	1.22	<0.1	0.21	0.04	7.8	0.8	<0.05	8.3	11.51	26.6	0.04	<1	0.3	13.5	<10	<2
91-PMA-0153	Till Pulp	0.4	0.05	6.2	1.47	<0.1	0.20	0.06	9.1	0.6	<0.05	8.4	13.97	28.9	0.05	2	0.7	16.2	<10	<2
91-PMA-0154	Till Pulp	0.5	0.04	5.2	1.85	<0.1	0.19	0.04	7.6	0.6	<0.05	7.1	11.96	24.8	0.04	2	0.4	13.0	<10	<2
91-PMA-0156	Till Pulp	0.5	0.05	6.0	1.50	<0.1	0.23	0.04	9.2	0.5	<0.05	8.4	12.31	27.5	0.04	<1	0.4	13.8	<10	<2
91-PMA-0157	Till Pulp	0.4	<0.02	4.8	1.16	<0.1	0.27	0.06	7.0	0.6	<0.05	8.5	11.08	26.3	0.04	<1	0.4	12.7	<10	<2
91-PMA-0158	Till Pulp	0.5	0.03	5.0	1.10	<0.1	0.23	0.05	6.7	0.6	<0.05	7.7	10.75	25.4	0.03	<1	0.4	12.1	<10	<2
91-PMA-0159	Till Pulp	0.5	0.04	4.7	1.09	<0.1	0.19	0.07	6.6	0.6	<0.05	7.5	11.16	24.1	0.03	<1	0.7	11.1	<10	2
91-PMA-0160	Till Pulp	0.4	0.06	4.8	1.35	<0.1	0.22	0.06	7.1	0.5	<0.05	8.6	10.70	25.4	0.04	1	0.3	10.6	<10	<2
91-PMA-0161	Till Pulp	0.6	0.05	6.0	1.30	<0.1	0.16	0.07	8.4	0.6	<0.05	6.7	14.34	29.5	0.03	<1	0.3	14.8	<10	<2
91-PMA-0161-b	Rock Pulp	0.4	<0.02	2.8	1.24	<0.1	0.18	0.24	7.2	2.2	<0.05	5.8	5.54	45.3	0.05	<1	0.2	8.5	35	27
91-PMA-0162	Till Pulp	0.3	0.04	5.2	0.93	<0.1	0.27	0.05	7.0	0.5	<0.05	8.2	11.08	24.1	0.03	<1	0.5	11.4	<10	<2
91-PMA-0164	Till Pulp	0.5	0.06	6.1	1.15	<0.1	0.20	0.06	6.6	0.7	<0.05	8.1	13.01	24.0	0.03	<1	0.7	12.4	<10	<2
91-PMA-0165	Till Pulp	0.3	0.03	5.7	1.07	<0.1	0.21	0.03	8.0	0.5	<0.05	7.7	11.45	27.4	0.03	<1	0.4	12.9	<10	2
91-PMA-0166	Till Pulp	0.4	0.06	5.8	1.14	<0.1	0.21	0.04	7.7	1.5	<0.05	8.6	12.03	28.4	0.03	<1	0.3	12.8	<10	2
91-PMA-0167	Till Pulp	0.4	0.05	3.7	0.63	<0.1	0.20	0.04	4.2	0.6	<0.05	6.8	9.03	18.5	<0.02	1	0.3	7.7	<10	3
91-PMA-0172	Till Pulp	0.5	0.05	6.1	1.30	<0.1	0.28	0.05	6.8	0.5	<0.05	8.8	12.53	28.3	0.04	<1	0.3	12.2	<10	3
91-PMA-0173	Till Pulp	0.5	0.06	6.0	1.21	<0.1	0.16	0.08	6.3	0.5	<0.05	7.1	15.25	26.7	0.04	<1	1.0	13.7	<10	5
91-PMA-0174-1	Till Pulp	0.3	0.05	5.2	1.01	<0.1	0.18	0.04	7.2	0.6	<0.05	7.1	10.46	23.8	0.03	<1	0.3	12.1	<10	<2
91-PMA-0174-2	Till Pulp	0.5	0.06	6.3	1.13	<0.1	0.17	0.04	8.7	0.5	<0.05	7.4	12.38	27.9	0.04	<1	0.5	14.7	<10	<2

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_3
Report Date: February 13, 2023

CERTIFICATE OF ANALYSIS VAN22003531.1

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y
	Unit	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3
91-PMA-0175	Till Pulp	63.13	12.98	6.03	2.46	4.17	2.58	1.84	0.73	0.23	0.12	0.017	79	934	94	59	20	370	134	49	19
91-PMA-0176	Till Pulp	62.97	12.97	6.02	2.39	4.29	2.63	1.83	0.71	0.24	0.13	0.018	68	1003	92	59	<20	374	143	37	19
91-PMA-0178	Till Pulp	62.23	14.32	6.93	2.44	2.44	2.55	1.94	0.76	0.25	0.13	0.019	88	1062	105	66	23	341	134	34	20
91-PMA-0180-1	Till Pulp	62.41	13.81	6.97	2.87	2.94	2.57	2.01	0.74	0.28	0.13	0.019	96	1036	100	64	24	369	138	43	21
91-PMA-0181	Till Pulp	61.75	14.31	6.99	2.46	2.38	2.43	1.92	0.77	0.24	0.13	0.019	90	982	104	67	24	320	138	41	21
91-PMA-0182	Till Pulp	61.91	13.66	6.58	2.61	3.64	2.52	1.86	0.75	0.24	0.13	0.018	86	953	103	59	26	339	140	52	20
91-PMA-0183	Till Pulp	65.99	13.09	6.08	2.09	2.28	2.53	1.65	0.76	0.21	0.12	0.021	60	864	98	77	<20	294	162	56	22
91-PMA-0185	Till Pulp	64.86	13.06	6.62	2.31	2.86	2.73	1.70	0.73	0.25	0.15	0.019	107	933	103	62	29	381	139	45	21
91-PMA-0186	Till Pulp	66.29	12.79	6.17	2.10	3.01	2.86	1.67	0.74	0.24	0.14	0.019	88	954	94	54	<20	398	160	38	22
91-PMA-0188	Till Pulp	68.78	12.12	5.09	1.93	3.01	3.03	1.58	0.68	0.23	0.11	0.020	82	888	71	33	20	429	146	31	19
91-PMA-0189	Till Pulp	63.96	13.16	6.51	2.45	3.66	3.06	1.68	0.73	0.33	0.15	0.017	221	904	73	50	25	496	117	45	20
91-PMA-0190	Till Pulp	65.87	13.16	6.30	2.21	3.23	2.96	1.77	0.76	0.30	0.13	0.021	108	945	83	52	20	435	156	36	21
91-PMA-0191	Till Pulp	64.38	13.61	6.55	2.38	2.50	2.61	1.90	0.75	0.32	0.19	0.023	135	1027	91	46	32	408	149	33	24
91-PMA-0192	Till Pulp	62.14	13.47	6.67	2.54	3.84	2.54	1.82	0.72	0.27	0.14	0.019	106	1009	98	55	20	398	127	<30	21
91-PMA-0194	Till Pulp	68.35	12.32	5.42	2.04	2.58	2.68	1.48	0.83	0.25	0.10	0.021	58	852	76	55	21	323	182	58	25
91-PMA-0194-b	Rock Pulp	71.98	12.06	3.96	1.71	3.25	3.47	1.44	0.37	0.13	0.06	0.017	159	460	220	90	59	396	167	50	12
91-PMA-0195	Till Pulp	63.02	13.20	6.05	2.38	3.95	2.34	1.68	0.74	0.23	0.12	0.020	75	912	104	68	23	305	148	<30	22
91-PMA-0196	Till Pulp	63.95	13.09	5.79	2.31	3.57	2.38	1.66	0.73	0.23	0.12	0.018	66	893	98	66	21	309	139	32	21
91-PMA-0197	Till Pulp	62.44	13.02	6.12	2.10	2.17	2.43	1.64	0.74	0.24	0.13	0.020	92	899	103	55	21	312	141	<30	23
91-PMA-0200	Till Pulp	60.20	14.29	7.84	2.80	3.22	2.49	2.17	0.81	0.28	0.17	0.019	129	957	91	53	28	415	141	31	22
91-PMA-0235	Till Pulp	61.93	13.63	6.69	2.41	5.11	3.09	2.38	0.82	0.39	0.12	0.013	64	881	54	27	<20	505	170	<30	22
91-PMA-0264-1	Till Pulp	63.99	11.68	5.95	1.97	5.93	2.96	2.23	0.68	0.34	0.11	0.018	55	847	50	22	<20	460	161	<30	18
91-PMA-0264-2	Till Pulp	62.53	11.76	6.43	2.13	6.05	2.81	2.18	0.68	0.33	0.12	0.018	67	834	56	26	<20	446	164	33	18
91-PMA-0264-3	Till Pulp	54.77	13.36	6.84	2.73	7.35	2.47	2.58	0.67	0.33	0.14	0.013	77	781	71	32	23	428	118	<30	18
91-PMA-0265-1	Till Pulp	68.23	11.28	5.09	2.28	3.99	2.66	1.61	0.68	0.26	0.10	0.019	51	796	55	54	<20	353	171	<30	19
91-PMA-0265-2	Till Pulp	65.14	12.37	5.62	2.19	4.64	2.84	1.93	0.66	0.29	0.12	0.014	65	1021	60	35	<20	425	152	35	19
91-PMA-0266-1	Till Pulp	64.90	11.58	5.48	2.62	5.17	2.59	1.74	0.69	0.27	0.11	0.020	58	882	66	58	<20	360	153	<30	20
91-PMA-0266-2	Till Pulp	63.64	11.92	5.65	2.97	5.19	2.50	1.75	0.69	0.26	0.12	0.019	57	914	71	70	20	346	152	36	19
91-PMA-0266-3	Till Pulp	65.40	11.41	5.56	2.42	5.30	2.69	1.68	0.70	0.28	0.10	0.020	46	849	62	48	<20	382	176	31	20
91-PMA-0266-4	Till Pulp	66.81	11.19	5.27	2.42	4.75	2.68	1.65	0.67	0.27	0.10	0.022	52	820	60	55	<20	346	151	<30	19

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BUREAU VERITAS MINERAL LABORATORIES Canada

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3890 Trailhead Drive
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Project: CICGR22_TILL_RE_3
Report Date: February 13, 2023

CERTIFICATE OF ANALYSIS VAN22003531.1

	Method	LF300	LF300	LF300	LF300	TC000	TC000	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Nb	Sc	LOI	Sum	TOT/C	TOT/S	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
	Unit	ppm	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm
	MDL	5	1	-5.1	0.01	0.02	0.02	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5
91-PMA-0175	Till Pulp	11	16	5.4	99.91	0.57	<0.02	1.50	74.10	7.55	89.1	174	50.9	17.7	802	3.40	13.2	0.6	3.4	2.9	77.2
91-PMA-0176	Till Pulp	15	16	5.5	99.92	0.54	<0.02	1.25	68.23	7.45	90.4	97	51.3	18.1	847	3.45	12.9	0.5	2.7	3.0	82.9
91-PMA-0178	Till Pulp	13	18	5.7	99.91	0.28	<0.02	1.24	89.37	8.86	102.2	157	58.8	18.3	837	4.12	14.8	0.6	18.8	3.3	66.3
91-PMA-0180-1	Till Pulp	9	18	4.9	99.90	0.22	<0.02	1.47	95.27	8.74	93.6	162	56.0	20.2	863	3.93	14.0	0.6	2.4	3.4	62.5
91-PMA-0181	Till Pulp	12	19	6.3	99.92	0.29	<0.02	1.11	86.00	9.59	94.1	93	61.1	18.5	829	3.99	14.5	0.6	2.1	3.5	63.0
91-PMA-0182	Till Pulp	12	17	5.8	99.91	0.52	<0.02	1.27	82.02	8.94	97.1	166	55.5	19.3	875	3.75	12.5	0.5	1.7	3.4	71.2
91-PMA-0183	Till Pulp	11	17	4.9	99.92	0.21	<0.02	1.05	58.65	9.28	94.7	95	72.0	17.3	773	3.52	17.6	0.5	28.9	3.8	48.3
91-PMA-0185	Till Pulp	8	18	4.4	99.91	0.19	<0.02	2.66	105.58	9.80	99.3	174	55.8	23.2	1013	3.83	14.9	0.5	3.6	2.5	63.9
91-PMA-0186	Till Pulp	10	17	3.7	99.92	0.17	<0.02	2.63	82.78	10.16	88.8	224	50.2	18.7	942	3.49	11.8	0.5	6.6	2.3	54.3
91-PMA-0188	Till Pulp	6	16	3.2	99.95	0.14	<0.02	1.07	80.28	6.92	65.9	112	33.3	14.1	631	2.77	11.4	0.4	8.0	2.0	55.3
91-PMA-0189	Till Pulp	6	18	4.0	99.92	0.15	<0.02	1.63	214.11	7.50	70.8	91	46.3	22.3	987	3.51	12.4	0.5	4.4	2.4	72.9
91-PMA-0190	Till Pulp	9	17	3.0	99.91	0.16	<0.02	1.34	100.96	8.09	73.5	86	44.1	16.0	798	3.35	15.5	0.5	5.7	2.7	58.3
91-PMA-0191	Till Pulp	6	18	4.5	99.94	0.21	<0.02	1.63	127.40	12.10	84.5	122	38.1	25.9	1372	3.86	13.2	0.3	3.8	1.8	58.6
91-PMA-0192	Till Pulp	6	18	5.6	99.93	0.50	<0.02	1.31	98.15	7.41	93.5	167	47.5	19.6	921	3.88	14.9	0.4	5.0	2.1	79.5
91-PMA-0194	Till Pulp	5	16	3.7	99.95	0.25	<0.02	0.82	49.77	5.89	68.6	80	46.7	12.3	647	2.90	11.2	0.5	8.4	2.7	44.9
91-PMA-0194-b	Rock Pulp	12	9	1.3	99.96	0.07	0.04	12.15	148.42	254.69	205.6	103	75.5	47.0	263	1.52	9.5	0.4	36.1	3.0	30.5
91-PMA-0195	Till Pulp	8	17	6.0	99.93	0.70	<0.02	1.18	62.87	7.54	96.9	241	57.1	18.0	859	3.63	12.8	0.4	3.4	2.5	67.5
91-PMA-0196	Till Pulp	9	17	5.9	99.95	0.61	<0.02	1.20	62.86	7.68	98.3	140	58.1	17.7	846	3.52	12.5	0.4	2.0	2.5	64.5
91-PMA-0197	Till Pulp	6	17		91.24	0.32	<0.02	1.55	91.09	8.52	108.1	134	54.9	19.0	976	3.94	14.5	0.4	2.9	2.5	50.8
91-PMA-0200	Till Pulp	8	21	5.4	99.92	0.33	<0.02	2.13	120.60	11.21	80.5	38	43.5	25.5	1059	4.39	12.4	0.5	8.5	2.5	66.9
91-PMA-0235	Till Pulp	7	19	3.1	99.92	0.16	<0.02	0.61	61.35	6.87	40.3	41	17.2	10.8	562	3.29	6.2	0.5	4.1	2.0	92.9
91-PMA-0264-1	Till Pulp	<5	14	3.9	99.94	0.74	0.10	0.81	50.02	5.36	37.9	97	18.8	11.3	592	2.92	12.0	0.6	6.7	1.8	79.4
91-PMA-0264-2	Till Pulp	7	15	4.7	99.94	0.87	0.14	1.31	61.75	6.46	45.4	147	23.3	15.1	714	3.51	15.7	0.8	125.0	1.9	98.1
91-PMA-0264-3	Till Pulp	10	16		91.44	1.44	0.29	1.23	75.54	6.46	64.0	177	24.8	18.1	1000	4.06	14.6	0.6	4.9	1.9	130.2
91-PMA-0265-1	Till Pulp	9	13	3.6	99.94	0.44	<0.02	0.65	46.30	5.22	47.1	97	44.1	11.5	551	2.55	8.0	0.6	2.7	2.9	54.9
91-PMA-0265-2	Till Pulp	10	14	3.9	99.94	0.52	<0.02	0.69	63.52	6.38	52.4	133	35.6	13.1	743	3.01	7.9	0.8	2.6	3.7	77.6
91-PMA-0266-1	Till Pulp	5	15	4.6	99.93	0.69	0.02	1.07	54.24	5.35	56.7	86	47.6	13.6	635	2.84	10.8	0.5	3.6	2.6	69.1
91-PMA-0266-2	Till Pulp	10	15	5.0	99.93	0.82	0.07	1.20	54.07	5.94	61.2	118	54.3	14.6	704	2.93	9.7	0.7	4.9	2.6	72.8
91-PMA-0266-3	Till Pulp	12	14	4.2	99.94	0.67	0.03	1.00	45.13	4.91	52.3	97	36.7	12.0	561	2.74	11.7	0.5	5.8	2.3	63.4
91-PMA-0266-4	Till Pulp	11	14	3.9	99.93	0.56	0.02	0.69	45.95	4.81	50.7	91	41.2	11.6	565	2.66	11.2	0.4	2.7	2.3	56.9

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Project: CICGR22_TILL_RE_3
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	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg
	Unit	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb
	MDL	0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5
91-PMA-0175	Till Pulp	0.58	0.60	0.13	84	1.80	0.102	13.1	49.7	0.99	155.1	0.110	<20	1.69	0.025	0.13	0.1	8.1	0.14	<0.02	121
91-PMA-0176	Till Pulp	0.62	0.62	0.13	88	1.87	0.103	13.1	49.6	0.96	199.1	0.118	<20	1.77	0.029	0.13	<0.1	8.6	0.16	<0.02	125
91-PMA-0178	Till Pulp	0.36	0.60	0.17	101	0.82	0.106	14.2	66.8	1.02	233.7	0.129	<20	2.25	0.027	0.14	<0.1	10.6	0.16	<0.02	169
91-PMA-0180-1	Till Pulp	0.43	0.79	0.17	101	0.88	0.126	13.9	66.1	1.16	200.7	0.130	<20	2.02	0.028	0.19	0.1	9.1	0.15	<0.02	122
91-PMA-0181	Till Pulp	0.27	0.67	0.17	95	0.76	0.097	14.2	62.3	0.99	219.2	0.119	<20	2.11	0.026	0.13	<0.1	9.9	0.14	<0.02	135
91-PMA-0182	Till Pulp	0.50	0.52	0.16	89	1.46	0.106	14.1	56.8	1.07	196.8	0.107	<20	1.96	0.026	0.14	<0.1	9.0	0.14	<0.02	124
91-PMA-0183	Till Pulp	0.50	0.86	0.18	74	0.65	0.094	15.7	59.5	0.82	227.1	0.094	<20	1.69	0.025	0.12	<0.1	9.0	0.19	<0.02	237
91-PMA-0185	Till Pulp	0.54	0.84	0.14	87	0.86	0.107	12.7	46.8	0.90	142.3	0.122	<20	1.85	0.024	0.11	<0.1	9.0	0.11	<0.02	140
91-PMA-0186	Till Pulp	0.49	0.80	0.12	76	0.80	0.102	11.7	39.7	0.77	122.9	0.106	<20	1.58	0.021	0.08	0.2	7.0	0.09	<0.02	132
91-PMA-0188	Till Pulp	0.28	0.61	0.08	69	0.69	0.102	10.9	39.0	0.62	109.2	0.096	<20	1.23	0.021	0.05	<0.1	6.4	0.07	<0.02	135
91-PMA-0189	Till Pulp	0.39	0.70	0.11	91	0.95	0.143	13.3	47.9	0.90	117.9	0.137	<20	1.67	0.025	0.09	0.1	9.1	0.10	<0.02	147
91-PMA-0190	Till Pulp	0.39	0.73	0.12	79	0.80	0.126	13.7	45.8	0.77	149.6	0.104	<20	1.48	0.021	0.09	<0.1	7.6	0.11	<0.02	133
91-PMA-0191	Till Pulp	0.42	0.87	0.11	95	0.63	0.131	12.7	43.1	0.92	138.9	0.093	<20	1.93	0.017	0.10	0.2	7.9	0.09	<0.02	171
91-PMA-0192	Till Pulp	0.45	0.71	0.14	104	1.69	0.111	11.1	51.4	1.00	160.0	0.132	<20	2.01	0.025	0.14	0.1	9.2	0.11	<0.02	120
91-PMA-0194	Till Pulp	0.25	0.72	0.10	68	0.69	0.098	14.4	47.3	0.69	165.5	0.088	<20	1.32	0.022	0.07	<0.1	6.4	0.11	<0.02	223
91-PMA-0194-b	Rock Pulp	0.47	0.17	0.13	25	0.52	0.051	22.9	29.1	0.45	54.6	0.065	<20	0.77	0.081	0.12	<0.1	2.7	0.07	0.04	12
91-PMA-0195	Till Pulp	0.48	0.62	0.12	80	1.91	0.090	12.1	54.4	0.98	196.1	0.086	<20	1.73	0.022	0.12	<0.1	8.7	0.15	<0.02	146
91-PMA-0196	Till Pulp	0.47	0.62	0.12	80	1.69	0.095	12.0	51.3	0.94	188.1	0.083	<20	1.70	0.022	0.12	<0.1	8.3	0.14	<0.02	157
91-PMA-0197	Till Pulp	0.50	0.78	0.12	90	0.68	0.106	12.9	55.8	0.88	161.9	0.104	<20	1.82	0.020	0.12	<0.1	10.3	0.14	<0.02	166
91-PMA-0200	Till Pulp	0.30	0.53	0.16	124	0.79	0.117	11.0	61.8	1.06	144.0	0.141	<20	2.27	0.023	0.22	0.2	10.7	0.14	<0.02	78
91-PMA-0235	Till Pulp	0.10	0.34	0.05	126	1.22	0.165	10.1	31.2	0.60	79.2	0.134	<20	1.47	0.027	0.06	<0.1	5.5	0.05	<0.02	43
91-PMA-0264-1	Till Pulp	0.19	0.92	0.06	91	2.52	0.147	9.0	32.6	0.61	58.3	0.077	<20	0.70	0.020	0.08	0.1	4.4	0.05	0.11	137
91-PMA-0264-2	Till Pulp	0.25	1.05	0.07	98	2.84	0.152	9.4	34.6	0.77	112.2	0.081	<20	0.91	0.024	0.11	<0.1	5.5	0.09	0.17	200
91-PMA-0264-3	Till Pulp	0.25	0.86	0.07	112	4.35	0.153	8.9	33.1	1.26	142.0	0.087	<20	1.48	0.034	0.20	<0.1	9.1	0.10	0.31	224
91-PMA-0265-1	Till Pulp	0.25	0.46	0.18	63	1.29	0.113	11.2	44.1	0.77	143.4	0.064	<20	0.95	0.017	0.09	0.3	3.9	0.08	<0.02	111
91-PMA-0265-2	Till Pulp	0.27	0.55	0.26	83	1.81	0.129	14.1	35.5	0.78	236.6	0.086	<20	1.27	0.027	0.14	0.2	5.3	0.08	<0.02	105
91-PMA-0266-1	Till Pulp	0.30	0.61	0.11	72	2.24	0.116	11.1	51.7	0.95	170.4	0.084	<20	1.10	0.023	0.10	0.1	5.1	0.09	0.03	122
91-PMA-0266-2	Till Pulp	0.34	0.64	0.12	74	2.28	0.112	10.7	55.6	1.13	182.5	0.092	<20	1.26	0.024	0.13	0.1	5.5	0.09	0.07	105
91-PMA-0266-3	Till Pulp	0.33	0.59	0.09	74	2.12	0.118	10.2	46.3	0.79	138.5	0.082	<20	0.91	0.021	0.08	0.3	4.4	0.07	0.03	123
91-PMA-0266-4	Till Pulp	0.26	0.66	0.10	65	1.82	0.113	10.2	46.8	0.81	133.4	0.081	<20	0.97	0.020	0.08	0.1	4.4	0.08	<0.02	126

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.

BUREAU VERITAS MINERAL LABORATORIES Canada

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Client: **Noble Exploration Services Ltd.**
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Project: CICGR22_TILL_RE_3
Report Date: February 13, 2023

CERTIFICATE OF ANALYSIS VAN22003531.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
91-PMA-0175	Till Pulp	0.5	0.06	5.2	0.99	<0.1	0.21	0.04	7.1	0.5	<0.05	7.2	10.91	24.5	0.02	<1	0.4	12.2	<10	<2
91-PMA-0176	Till Pulp	0.3	0.03	5.4	0.97	<0.1	0.19	0.03	7.9	0.5	<0.05	7.4	11.23	24.6	0.03	<1	0.3	11.8	<10	<2
91-PMA-0178	Till Pulp	0.5	0.05	7.0	1.19	<0.1	0.25	0.04	9.2	0.6	<0.05	9.0	12.82	25.3	0.05	<1	0.5	13.7	<10	4
91-PMA-0180-1	Till Pulp	0.3	0.08	6.5	1.44	<0.1	0.32	0.04	14.2	0.5	<0.05	9.7	11.66	24.8	0.04	<1	0.6	14.4	<10	3
91-PMA-0181	Till Pulp	0.4	0.03	6.5	1.29	<0.1	0.24	0.06	8.7	0.6	<0.05	9.1	12.25	25.8	0.04	1	0.5	14.4	<10	3
91-PMA-0182	Till Pulp	0.3	0.06	6.1	1.15	<0.1	0.16	0.04	9.1	0.7	<0.05	7.5	11.34	25.9	0.02	2	0.8	14.0	<10	4
91-PMA-0183	Till Pulp	0.3	0.05	5.2	1.36	<0.1	0.23	0.04	7.9	0.8	<0.05	8.3	12.18	29.9	0.02	<1	0.4	11.5	<10	<2
91-PMA-0185	Till Pulp	0.6	0.06	5.9	0.92	<0.1	0.19	0.04	6.2	1.6	<0.05	7.1	11.59	23.5	0.03	<1	0.5	12.8	<10	<2
91-PMA-0186	Till Pulp	0.6	0.07	5.1	0.68	<0.1	0.18	0.04	4.4	2.7	<0.05	6.3	10.88	21.5	0.03	<1	0.3	10.6	<10	<2
91-PMA-0188	Till Pulp	0.3	0.04	3.8	0.57	<0.1	0.15	0.05	3.3	1.1	<0.05	6.4	9.64	20.6	0.03	<1	0.5	7.7	<10	3
91-PMA-0189	Till Pulp	0.5	0.07	5.5	0.64	<0.1	0.19	0.03	4.8	2.8	<0.05	7.1	11.92	24.7	0.03	<1	0.4	9.8	<10	3
91-PMA-0190	Till Pulp	0.4	0.04	4.4	0.86	<0.1	0.17	0.04	5.6	1.9	<0.05	6.7	11.00	24.1	0.02	<1	0.4	10.5	<10	3
91-PMA-0191	Till Pulp	0.7	0.07	5.6	1.02	<0.1	0.11	0.06	4.9	1.5	<0.05	6.2	12.20	25.8	0.03	<1	0.7	13.1	<10	2
91-PMA-0192	Till Pulp	0.4	0.06	6.6	1.04	<0.1	0.22	0.04	7.1	0.5	<0.05	9.5	11.50	22.4	0.03	<1	0.5	12.6	<10	2
91-PMA-0194	Till Pulp	0.3	0.04	4.1	0.74	<0.1	0.11	0.09	4.3	0.4	<0.05	5.9	10.82	28.5	0.02	<1	0.4	9.2	<10	2
91-PMA-0194-b	Rock Pulp	0.2	<0.02	2.5	1.06	<0.1	0.16	0.27	6.7	2.0	<0.05	5.8	5.22	40.2	0.04	<1	0.2	7.6	43	23
91-PMA-0195	Till Pulp	0.4	0.05	5.5	1.11	<0.1	0.15	0.05	6.8	0.5	<0.05	7.3	11.63	23.8	0.03	<1	0.5	12.1	<10	2
91-PMA-0196	Till Pulp	0.3	0.05	5.4	1.07	<0.1	0.15	0.04	6.8	0.5	<0.05	7.0	11.28	24.8	0.03	<1	0.4	11.5	<10	<2
91-PMA-0197	Till Pulp	0.4	0.06	5.9	1.03	<0.1	0.15	0.04	6.5	0.5	<0.05	7.7	13.07	24.6	0.03	<1	0.5	12.1	<10	3
91-PMA-0200	Till Pulp	0.4	0.10	7.1	1.20	<0.1	0.14	0.09	15.6	4.9	<0.05	7.3	10.38	24.6	0.03	<1	0.6	13.1	<10	4
91-PMA-0235	Till Pulp	0.2	0.03	4.9	0.70	<0.1	0.16	0.22	3.3	0.8	<0.05	7.4	11.38	19.2	<0.02	<1	0.3	6.2	<10	2
91-PMA-0264-1	Till Pulp	0.6	0.03	2.6	0.74	<0.1	0.17	0.10	3.1	0.5	<0.05	5.6	8.77	17.7	<0.02	<1	0.2	4.8	<10	2
91-PMA-0264-2	Till Pulp	0.8	0.05	3.2	1.00	<0.1	0.16	0.07	4.3	0.4	<0.05	5.9	9.75	18.5	<0.02	1	0.3	5.7	<10	<2
91-PMA-0264-3	Till Pulp	0.6	0.04	5.3	2.82	<0.1	0.14	0.03	7.7	0.6	<0.05	6.0	11.60	18.3	0.03	<1	0.5	10.2	<10	2
91-PMA-0265-1	Till Pulp	0.2	0.04	3.1	0.74	<0.1	0.12	0.08	5.2	0.3	<0.05	4.9	7.96	21.5	<0.02	<1	0.3	7.4	<10	<2
91-PMA-0265-2	Till Pulp	0.3	0.05	4.1	1.13	<0.1	0.16	0.07	7.4	0.4	<0.05	5.3	9.43	26.6	<0.02	<1	0.3	8.1	<10	<2
91-PMA-0266-1	Till Pulp	0.4	0.04	3.6	0.94	<0.1	0.15	0.06	5.5	0.4	<0.05	5.8	8.74	22.0	<0.02	<1	0.3	8.1	<10	<2
91-PMA-0266-2	Till Pulp	0.4	0.06	4.1	1.08	<0.1	0.18	0.08	6.6	1.0	<0.05	6.7	9.26	20.9	<0.02	<1	0.3	9.5	<10	<2
91-PMA-0266-3	Till Pulp	0.6	0.05	3.1	0.75	<0.1	0.16	0.08	4.3	0.3	<0.05	5.5	8.44	20.1	<0.02	<1	0.2	6.6	<10	<2
91-PMA-0266-4	Till Pulp	0.5	0.05	3.2	0.73	<0.1	0.16	0.07	4.8	0.3	<0.05	5.6	8.13	20.1	<0.02	<1	0.2	7.3	<10	2

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.

BUREAU VERITAS MINERAL LABORATORIES Canada

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Project: CICGR22_TILL_RE_3
Report Date: February 13, 2023

CERTIFICATE OF ANALYSIS VAN22003531.1

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y
	Unit	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3
91-PMA-0266-5	Till Pulp	68.40	11.62	6.03	2.29	2.99	2.73	1.69	0.71	0.27	0.12	0.021	71	806	66	56	21	337	177	<30	21
91-PMA-0276-1	Till Pulp	59.54	13.66	6.69	2.66	4.83	2.88	2.40	0.71	0.31	0.11	0.017	71	1005	63	34	<20	463	144	<30	18
91-PMA-0276-2	Till Pulp	61.34	13.91	6.75	2.83	4.91	2.89	2.36	0.72	0.30	0.11	0.019	80	1008	68	47	<20	457	138	33	19
91-PMA-0280-1	Till Pulp	60.71	13.15	6.30	3.37	4.54	2.42	1.99	0.71	0.25	0.13	0.025	68	981	84	89	22	334	164	49	20
91-PMA-0280-2	Till Pulp	64.71	12.15	5.81	2.64	4.65	2.68	1.79	0.70	0.27	0.10	0.020	59	863	68	56	<20	358	167	36	20
91-PMA-0299	Till Pulp	60.89	12.69	5.35	2.34	6.85	2.62	2.18	0.65	0.33	0.10	0.018	68	1150	100	46	<20	432	170	<30	22
91-PMA-0319	Till Pulp	56.22	14.99	10.97	4.67	2.92	2.10	1.88	0.73	0.25	0.19	0.019	283	993	148	94	44	387	98	<30	25
91-PMA-0319-b	Rock Pulp	72.06	11.99	3.82	1.65	3.40	3.55	1.44	0.37	0.12	0.06	0.011	26	454	32	23	<20	395	160	35	10
91-PMA-0320	Till Pulp	56.05	15.36	10.92	4.56	3.06	2.24	1.99	0.74	0.27	0.19	0.018	280	1069	146	89	44	415	102	37	24
91-PMA-0330-2	Till Pulp	60.21	14.57	6.92	2.97	3.74	2.46	2.22	0.76	0.29	0.14	0.017	84	1140	104	61	20	360	140	61	22
91-PMA-0340	Till Pulp	63.61	13.99	6.47	2.89	2.46	2.08	2.25	0.82	0.44	0.11	0.038	56	1348	153	205	25	257	237	90	32
91-PMA-0349-1	Till Pulp	59.62	13.40	6.58	4.37	5.16	1.42	2.23	0.82	0.33	0.11	0.042	71	1301	185	169	28	220	208	68	30
91-PMA-0349-2	Till Pulp	57.90	13.40	6.23	3.74	5.17	1.17	2.44	0.85	0.35	0.10	0.034	76	1507	225	141	31	207	243	81	33
91-PMA-0349-3	Till Pulp	64.94	11.33	7.97	2.56	3.26	1.37	1.79	0.93	0.32	0.14	0.030	109	1142	224	141	30	165	280	93	34
91-PMA-0374	Till Pulp	63.53	14.42	6.62	2.26	3.32	3.00	2.31	0.76	0.27	0.12	0.013	87	1040	58	34	<20	451	137	<30	19
91-PMA-0403	Till Pulp	61.27	15.38	7.20	2.73	1.73	1.70	2.86	0.88	0.20	0.12	0.019	55	995	96	82	25	166	278	81	31
91-PMA-0417-1	Till Pulp	54.72	13.84	10.26	5.09	5.17	2.12	2.42	0.92	0.50	0.20	0.016	199	689	90	40	36	454	136	35	21
91-PMA-0417-2	Till Pulp	57.23	13.16	9.76	4.47	5.54	2.37	2.29	0.89	0.50	0.17	0.019	141	675	73	36	27	470	184	33	20
91-PMA-0417-3	Till Pulp	54.36	13.94	9.85	5.20	5.55	2.27	2.51	0.87	0.48	0.19	0.019	159	711	88	43	36	482	117	33	20
91-PMA-0418-1	Till Pulp	56.21	13.65	8.53	3.89	6.46	2.61	2.52	0.78	0.51	0.17	0.011	158	763	75	28	26	537	105	35	19
91-PMA-0418-2	Till Pulp	59.28	14.02	7.93	3.66	3.97	2.52	2.26	0.83	0.30	0.13	0.014	112	723	80	38	25	359	160	34	22
91-PMA-0431-1	Till Pulp	56.72	14.59	9.38	4.18	4.48	2.50	2.15	0.82	0.37	0.22	0.014	147	742	80	38	30	393	107	<30	22
91-PMA-0431-2	Till Pulp	55.01	13.98	8.74	3.84	6.51	2.41	2.06	0.76	0.34	0.17	0.015	119	729	78	36	31	396	99	<30	19
91-PMA-0431-3	Till Pulp	54.10	14.69	8.73	3.85	6.07	2.28	1.83	0.77	0.27	0.16	0.014	121	728	88	39	27	321	92	30	19
91-PMA-0431-4	Till Pulp	53.92	14.51	8.80	3.98	6.45	2.33	2.01	0.76	0.30	0.16	0.015	131	734	87	39	30	365	91	<30	20
91-PMA-0431-5	Till Pulp	55.79	16.13	9.56	3.75	3.25	2.26	1.81	0.81	0.26	0.19	0.015	143	814	97	47	33	288	92	<30	23
91-PMA-0431-6	Till Pulp	36.91	10.74	9.25	2.55	18.41	1.48	1.88	0.52	0.26	0.18	0.009	140	479	78	21	25	286	69	<30	18
92-PMA-0001	Till Pulp	61.94	10.14	4.28	2.17	8.15	2.34	1.20	0.71	0.19	0.08	0.026	37	680	63	67	<20	265	174	31	20
92-PMA-0001-b	Rock Pulp	71.92	12.16	4.04	1.73	3.31	3.43	1.46	0.38	0.13	0.07	0.015	160	466	222	94	56	398	169	56	11
92-PMA-0004-1	Till Pulp	64.96	9.68	4.54	2.83	3.04	2.24	1.37	0.63	0.16	0.09	0.028	67	1262	91	95	<20	247	143	39	21

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BUREAU VERITAS MINERAL LABORATORIES Canada

www.bvna.com/mining-laboratory-services

Bureau Veritas Commodities Canada Ltd.

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PHONE (604) 253-3158

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_3
Report Date: February 13, 2023

CERTIFICATE OF ANALYSIS VAN22003531.1

	Method	LF300	LF300	LF300	LF300	TC000	TC000	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Nb	Sc	LOI	Sum	TOT/C	TOT/S	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
	Unit	ppm	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm
	MDL	5	1	-5.1	0.01	0.02	0.02	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5
91-PMA-0266-5	Till Pulp	19	15	2.9	99.94	0.14	<0.02	2.69	69.94	6.07	57.5	99	50.3	16.1	735	3.12	16.1	0.6	209.0	2.7	36.8
91-PMA-0276-1	Till Pulp	<5	18		94.01	0.39	0.08	0.53	69.76	4.54	53.9	91	29.0	14.8	615	3.53	9.4	0.7	1.9	2.6	71.2
91-PMA-0276-2	Till Pulp	11	19	3.6	99.91	0.43	0.07	0.59	78.06	4.49	59.8	129	33.7	14.8	645	3.59	11.9	0.7	11.7	2.9	82.2
91-PMA-0280-1	Till Pulp	13	16		93.80	0.82	0.07	1.64	64.42	11.88	76.3	148	77.2	17.9	844	3.41	10.7	0.7	2.8	3.2	71.1
91-PMA-0280-2	Till Pulp	12	15	4.2	99.94	0.60	0.03	1.10	58.69	5.86	59.6	109	46.5	13.0	552	3.04	11.4	0.5	5.6	2.8	61.0
91-PMA-0299	Till Pulp	10	17	5.7	99.93	1.07	<0.02	4.56	66.40	5.64	96.2	291	40.6	13.9	577	2.90	23.4	0.6	4.7	3.2	76.9
91-PMA-0319	Till Pulp	7	24		95.17	0.26	<0.02	5.61	276.67	10.25	150.2	253	88.8	41.0	1295	6.79	17.7	0.9	20.0	2.5	73.7
91-PMA-0319-b	Rock Pulp	9	9	1.4	99.97	0.07	<0.02	0.59	21.75	1.72	19.5	23	15.5	5.4	244	1.37	0.7	0.4	0.4	2.4	25.5
91-PMA-0320	Till Pulp	13	24		95.65	0.29	<0.02	6.17	278.43	10.80	148.7	253	87.9	42.1	1320	6.86	21.1	0.9	4.2	2.6	80.0
91-PMA-0330-2	Till Pulp	11	18	5.4	99.92	0.45	<0.02	1.56	78.61	8.61	95.4	264	50.3	18.7	902	3.82	12.8	0.6	4.4	4.7	52.4
91-PMA-0340	Till Pulp	17	17	4.5	99.92	0.46	<0.02	3.47	56.69	14.83	149.7	407	172.7	22.3	742	3.80	19.6	1.0	2.0	6.9	40.1
91-PMA-0349-1	Till Pulp	15	19		94.35	1.83	0.24	6.54	66.01	18.52	174.1	584	129.4	23.4	684	3.61	19.2	1.1	0.7	4.8	101.4
91-PMA-0349-2	Till Pulp	21	18	8.2	99.90	I.S.	I.S.	8.86	76.75	20.17	217.3	822	120.6	27.2	704	3.57	24.9	1.4	0.3	4.9	109.4
91-PMA-0349-3	Till Pulp	22	19	5.0	99.91	0.51	0.02	5.87	102.42	19.81	217.9	267	130.4	28.5	948	4.75	26.8	0.8	4.8	6.1	53.4
91-PMA-0374	Till Pulp	11	16	3.1	99.94	0.29	<0.02	0.80	81.33	4.98	48.8	34	26.8	16.3	659	3.53	10.3	0.5	7.8	2.1	49.6
91-PMA-0403	Till Pulp	22	19		94.31	0.26	<0.02	0.94	52.64	12.03	91.3	83	68.8	20.7	759	4.30	8.1	1.1	1.5	8.7	25.7
91-PMA-0417-1	Till Pulp	12	28	4.4	99.87	0.18	<0.02	0.64	208.01	5.05	76.7	91	28.3	26.5	1148	5.25	4.2	0.5	25.3	2.4	63.6
91-PMA-0417-2	Till Pulp	11	26	3.3	99.89	0.17	<0.02	0.50	141.34	4.10	57.3	20	23.6	21.9	869	4.59	3.6	0.5	11.6	2.3	57.7
91-PMA-0417-3	Till Pulp	6	28	4.4	99.86	0.09	<0.02	0.55	158.34	4.55	73.7	134	28.3	25.0	1070	4.55	3.9	0.4	19.2	2.1	72.4
91-PMA-0418-1	Till Pulp	10	22	4.3	99.88	0.42	<0.02	0.54	153.51	5.66	60.0	118	20.2	19.6	885	3.81	4.7	0.5	15.8	2.0	101.8
91-PMA-0418-2	Till Pulp	10	23	4.8	99.88	0.28	<0.02	0.59	109.64	7.95	68.9	163	27.9	20.5	767	3.93	3.5	0.4	10.5	2.7	60.3
91-PMA-0431-1	Till Pulp	<5	29	4.3	99.87	0.13	<0.02	1.26	147.27	5.20	70.7	199	28.7	25.1	1347	4.60	7.3	0.4	10.3	1.8	65.1
91-PMA-0431-2	Till Pulp	8	27	5.9	99.88	0.68	<0.02	0.73	116.00	4.97	67.9	213	28.0	24.2	1048	4.31	6.9	0.3	17.2	1.9	95.9
91-PMA-0431-3	Till Pulp	<5	26	6.9	99.87	0.79	<0.02	0.60	111.42	5.27	84.6	245	32.2	25.2	1043	4.61	9.7	0.3	6.8	1.6	79.6
91-PMA-0431-4	Till Pulp	7	26	6.5	99.88	0.73	<0.02	0.92	128.19	5.27	79.2	258	30.4	25.4	1021	4.47	8.3	0.4	43.8	2.0	100.7
91-PMA-0431-5	Till Pulp	<5	29	5.9	99.88	0.23	<0.02	2.00	142.09	5.57	96.4	126	38.4	28.8	1267	5.26	11.5	0.5	4.4	1.6	55.3
91-PMA-0431-6	Till Pulp	12	17	17.6	99.90	3.68	<0.02	5.58	131.36	5.63	67.4	195	14.9	19.8	1212	5.07	2.9	0.5	18.2	1.9	122.8
92-PMA-0001	Till Pulp	7	12		91.37	I.S.	I.S.	0.58	28.79	5.86	51.8	39	52.1	10.2	453	2.15	11.2	0.4	1.7	1.7	52.4
92-PMA-0001-b	Rock Pulp	16	9	1.1	99.94	0.07	0.04	12.44	161.92	287.78	220.0	113	80.7	51.3	283	1.62	10.1	0.4	37.0	3.2	33.1
92-PMA-0004-1	Till Pulp	10	12		89.79	0.87	0.34	2.92	66.39	10.30	91.8	190	85.4	15.7	614	2.69	13.2	0.6	1.6	2.3	96.8

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3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_3
Report Date: February 13, 2023

CERTIFICATE OF ANALYSIS VAN22003531.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg
	Unit	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb
	MDL	0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5
91-PMA-0266-5	Till Pulp	0.24	0.90	0.12	77	0.58	0.112	11.5	50.0	0.72	114.5	0.083	<20	1.04	0.021	0.08	0.2	5.7	0.11	<0.02	861
91-PMA-0276-1	Till Pulp	0.15	0.65	0.06	110	1.58	0.131	9.5	51.3	0.97	154.7	0.130	<20	1.51	0.022	0.14	0.1	7.4	0.08	0.09	156
91-PMA-0276-2	Till Pulp	0.18	0.55	0.07	106	1.67	0.131	10.2	53.6	1.07	186.2	0.128	<20	1.56	0.023	0.15	0.1	7.5	0.09	0.08	105
91-PMA-0280-1	Till Pulp	0.41	0.67	0.16	83	1.99	0.108	11.7	69.0	1.34	202.4	0.089	<20	1.56	0.026	0.16	0.1	6.5	0.12	0.08	195
91-PMA-0280-2	Till Pulp	0.26	0.61	0.12	76	1.78	0.116	11.2	55.7	0.93	129.3	0.087	<20	1.20	0.023	0.11	0.1	5.3	0.09	0.04	174
91-PMA-0299	Till Pulp	0.76	1.74	0.09	75	3.43	0.144	12.6	34.2	0.76	84.5	0.115	<20	1.31	0.019	0.11	0.1	5.2	0.16	<0.02	75
91-PMA-0319	Till Pulp	0.32	0.47	0.14	129	0.53	0.107	14.3	90.9	2.21	56.0	0.225	<20	3.29	0.014	0.11	0.3	9.1	0.19	<0.02	73
91-PMA-0319-b	Rock Pulp	0.02	0.05	0.02	22	0.59	0.051	13.6	24.0	0.43	48.1	0.060	<20	0.73	0.073	0.11	<0.1	2.2	0.06	<0.02	8
91-PMA-0320	Till Pulp	0.35	0.57	0.14	126	0.51	0.113	14.0	84.9	2.19	64.0	0.229	<20	3.34	0.013	0.12	0.3	8.1	0.21	<0.02	85
91-PMA-0330-2	Till Pulp	0.53	1.01	0.17	86	1.31	0.123	15.6	49.3	1.18	170.5	0.097	<20	1.80	0.021	0.18	0.2	7.5	0.17	<0.02	70
91-PMA-0340	Till Pulp	0.84	1.34	0.30	67	0.64	0.188	21.6	86.3	0.89	167.8	0.073	<20	1.43	0.019	0.16	0.4	7.0	0.36	<0.02	98
91-PMA-0349-1	Till Pulp	1.79	1.70	0.24	54	2.57	0.135	12.5	82.1	1.60	197.9	0.049	<20	1.44	0.010	0.17	0.1	6.2	0.24	0.25	193
91-PMA-0349-2	Till Pulp	2.61	2.49	0.24	48	2.94	0.150	10.8	62.4	1.43	306.4	0.032	<20	1.19	0.008	0.15	<0.1	6.1	0.32	0.57	319
91-PMA-0349-3	Till Pulp	1.89	2.38	0.23	58	1.32	0.136	19.4	68.1	0.83	160.6	0.049	<20	1.13	0.007	0.10	0.1	9.1	0.39	<0.02	276
91-PMA-0374	Till Pulp	0.12	0.54	0.10	110	0.69	0.121	10.9	42.6	0.75	114.8	0.135	<20	1.82	0.026	0.11	0.2	6.7	0.09	<0.02	47
91-PMA-0403	Till Pulp	0.14	0.48	0.29	71	0.51	0.084	25.4	66.2	1.12	168.9	0.126	<20	2.12	0.014	0.39	0.2	8.6	0.31	<0.02	62
91-PMA-0417-1	Till Pulp	0.12	0.30	0.11	157	0.93	0.237	9.7	77.3	1.78	157.0	0.170	<20	2.35	0.015	0.63	0.3	10.1	0.12	<0.02	65
91-PMA-0417-2	Till Pulp	0.10	0.29	0.10	133	0.87	0.221	9.5	71.4	1.39	103.7	0.138	<20	1.87	0.013	0.46	0.3	6.5	0.09	<0.02	26
91-PMA-0417-3	Till Pulp	0.14	0.19	0.11	142	0.97	0.208	8.4	74.3	1.77	149.1	0.156	<20	2.20	0.016	0.59	0.2	9.3	0.09	<0.02	30
91-PMA-0418-1	Till Pulp	0.14	0.27	0.12	111	1.89	0.215	9.4	45.5	1.28	123.8	0.131	<20	1.70	0.017	0.40	0.2	6.3	0.08	<0.02	63
91-PMA-0418-2	Till Pulp	0.19	0.27	0.21	107	0.91	0.132	11.2	56.4	1.32	140.7	0.112	<20	2.08	0.016	0.23	0.2	7.9	0.10	<0.02	96
91-PMA-0431-1	Till Pulp	0.44	0.37	0.12	113	0.83	0.164	8.3	64.1	1.44	110.9	0.105	<20	1.99	0.015	0.23	0.2	10.1	0.11	<0.02	57
91-PMA-0431-2	Till Pulp	0.21	0.32	0.12	102	2.41	0.149	7.9	61.0	1.37	116.0	0.099	<20	1.93	0.015	0.22	0.1	8.8	0.09	<0.02	45
91-PMA-0431-3	Till Pulp	0.24	0.34	0.11	108	2.58	0.119	7.9	63.1	1.60	120.6	0.097	<20	2.34	0.015	0.21	<0.1	10.0	0.10	<0.02	39
91-PMA-0431-4	Till Pulp	0.24	0.35	0.13	106	2.58	0.131	8.3	61.4	1.54	116.8	0.101	<20	2.15	0.015	0.24	0.1	9.6	0.10	<0.02	44
91-PMA-0431-5	Till Pulp	0.27	0.42	0.12	117	0.74	0.115	8.7	63.8	1.61	168.1	0.096	<20	2.62	0.012	0.20	<0.1	12.7	0.13	<0.02	58
91-PMA-0431-6	Till Pulp	0.19	0.42	0.13	80	11.25	0.119	9.7	34.0	0.94	102.3	0.057	<20	1.14	0.010	0.21	0.2	7.2	0.05	<0.02	30
92-PMA-0001	Till Pulp	0.46	0.38	0.07	46	4.52	0.077	9.5	49.7	0.83	123.7	0.074	<20	0.91	0.017	0.06	<0.1	4.1	0.09	<0.02	183
92-PMA-0001-b	Rock Pulp	0.53	0.16	0.15	25	0.56	0.057	26.1	31.4	0.48	62.7	0.070	<20	0.82	0.091	0.12	<0.1	2.9	0.08	0.05	16
92-PMA-0004-1	Till Pulp	0.41	0.68	0.16	40	1.52	0.073	10.2	69.7	1.24	415.9	0.062	<20	0.87	0.019	0.10	<0.1	4.6	0.10	0.39	176

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BUREAU VERITAS MINERAL LABORATORIES Canada

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Project: CICGR22_TILL_RE_3
Report Date: February 13, 2023

CERTIFICATE OF ANALYSIS VAN22003531.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
91-PMA-0266-5	Till Pulp	0.3	0.04	3.5	0.88	<0.1	0.17	0.08	5.2	0.4	<0.05	6.2	9.56	23.2	<0.02	<1	0.3	7.4	<10	<2
91-PMA-0276-1	Till Pulp	0.4	0.03	5.3	1.21	<0.1	0.16	0.04	8.0	0.4	<0.05	6.7	9.97	18.3	<0.02	<1	0.4	10.8	<10	3
91-PMA-0276-2	Till Pulp	0.4	0.04	5.5	1.30	<0.1	0.16	0.03	9.6	0.4	<0.05	6.2	10.19	19.2	<0.02	<1	0.4	11.3	<10	2
91-PMA-0280-1	Till Pulp	0.5	0.05	5.1	1.29	<0.1	0.16	0.07	8.8	6.4	<0.05	6.7	9.87	22.7	0.02	1	0.4	12.0	<10	2
91-PMA-0280-2	Till Pulp	0.6	0.05	4.0	0.96	<0.1	0.17	0.06	6.6	1.2	<0.05	6.6	9.02	21.9	<0.02	<1	0.3	8.9	<10	<2
91-PMA-0299	Till Pulp	2.1	0.06	4.2	0.68	<0.1	0.20	0.06	6.4	0.3	<0.05	8.9	10.94	22.9	0.02	<1	0.3	9.1	<10	2
91-PMA-0319	Till Pulp	3.1	0.12	8.7	1.73	<0.1	0.04	0.09	10.9	0.4	<0.05	2.2	14.01	20.3	<0.02	<1	0.8	26.0	<10	4
91-PMA-0319-b	Rock Pulp	0.1	<0.02	2.4	0.33	<0.1	0.13	0.11	5.7	0.3	<0.05	4.8	4.80	24.1	<0.02	<1	0.2	6.2	<10	<2
91-PMA-0320	Till Pulp	3.3	0.11	8.6	1.79	<0.1	0.06	0.12	12.1	1.3	<0.05	2.9	12.05	25.8	<0.02	<1	0.8	26.3	<10	4
91-PMA-0330-2	Till Pulp	0.6	0.05	6.0	1.57	<0.1	0.10	0.06	14.9	0.3	<0.05	5.1	10.47	29.3	0.03	<1	0.5	16.8	<10	<2
91-PMA-0340	Till Pulp	1.2	0.08	4.5	1.72	<0.1	0.09	0.17	16.1	0.5	<0.05	5.5	13.46	40.3	0.03	<1	0.5	16.5	<10	<2
91-PMA-0349-1	Till Pulp	5.1	0.12	4.0	1.28	<0.1	0.18	0.03	10.4	0.7	<0.05	7.6	11.35	24.3	0.03	8	0.4	15.8	<10	<2
91-PMA-0349-2	Till Pulp	7.9	0.13	3.4	1.28	<0.1	0.17	0.02	8.2	0.7	<0.05	7.9	12.08	21.1	0.03	14	0.5	13.1	<10	2
91-PMA-0349-3	Till Pulp	2.0	0.10	3.1	0.98	<0.1	0.19	0.02	5.3	0.4	<0.05	8.5	13.43	39.2	0.03	<1	0.4	9.1	<10	2
91-PMA-0374	Till Pulp	0.4	0.07	5.7	1.07	<0.1	0.08	0.12	7.9	0.4	<0.05	4.6	9.25	22.2	0.02	<1	0.5	9.3	<10	3
91-PMA-0403	Till Pulp	0.5	0.04	6.3	3.34	<0.1	0.12	0.07	37.2	0.6	<0.05	5.4	13.07	48.9	0.03	<1	0.6	30.9	<10	<2
91-PMA-0417-1	Till Pulp	0.3	0.09	7.1	2.16	<0.1	0.11	0.03	44.8	0.6	<0.05	4.2	10.94	18.9	<0.02	<1	0.5	14.2	<10	3
91-PMA-0417-2	Till Pulp	0.2	0.06	5.5	1.60	<0.1	0.05	0.05	31.2	0.4	<0.05	2.7	8.57	18.6	<0.02	<1	0.4	12.3	<10	4
91-PMA-0417-3	Till Pulp	0.1	0.08	6.7	1.89	<0.1	0.15	0.02	38.9	0.7	<0.05	4.8	9.83	16.3	<0.02	<1	0.4	13.5	17	3
91-PMA-0418-1	Till Pulp	0.2	0.08	5.4	1.50	<0.1	0.13	0.04	28.2	0.6	<0.05	4.0	10.63	18.7	<0.02	<1	0.3	9.1	11	3
91-PMA-0418-2	Till Pulp	0.1	0.08	6.3	1.95	<0.1	0.08	0.13	20.8	0.5	<0.05	4.0	10.41	23.0	0.02	<1	0.4	14.9	<10	5
91-PMA-0431-1	Till Pulp	0.2	0.09	5.9	3.11	<0.1	0.10	0.03	17.8	0.5	<0.05	3.6	11.59	17.0	0.02	<1	0.3	12.6	<10	3
91-PMA-0431-2	Till Pulp	0.3	0.08	5.5	1.98	<0.1	0.12	<0.02	15.7	0.5	<0.05	3.9	9.61	15.9	0.02	<1	0.3	12.1	<10	3
91-PMA-0431-3	Till Pulp	0.3	0.06	6.4	2.58	<0.1	0.12	<0.02	13.4	0.4	<0.05	4.2	10.26	15.4	0.03	<1	0.3	15.0	<10	4
91-PMA-0431-4	Till Pulp	0.3	0.09	6.1	2.68	<0.1	0.11	<0.02	16.2	0.4	<0.05	4.0	10.41	16.8	0.02	<1	0.3	13.9	<10	4
91-PMA-0431-5	Till Pulp	0.4	0.09	6.9	3.17	<0.1	0.13	<0.02	12.5	0.4	<0.05	4.3	13.82	16.4	0.03	<1	0.3	17.3	<10	3
91-PMA-0431-6	Till Pulp	0.4	0.08	3.4	4.46	<0.1	0.07	<0.02	15.2	0.3	<0.05	3.0	13.01	17.3	<0.02	<1	0.8	6.2	<10	2
92-PMA-0001	Till Pulp	0.3	0.03	2.8	0.44	<0.1	0.13	0.12	3.3	51.0	<0.05	5.7	9.22	18.7	<0.02	<1	0.3	5.4	<10	<2
92-PMA-0001-b	Rock Pulp	0.1	<0.02	2.7	1.17	<0.1	0.19	0.21	7.5	2.2	<0.05	6.3	5.90	44.0	0.04	<1	0.2	7.9	47	28
92-PMA-0004-1	Till Pulp	1.2	0.06	2.7	0.58	<0.1	0.21	0.07	4.3	4.7	<0.05	7.1	8.58	20.9	0.02	2	0.3	7.3	<10	<2

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BUREAU VERITAS MINERAL LABORATORIES Canada

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_3
Report Date: February 13, 2023

CERTIFICATE OF ANALYSIS VAN22003531.1

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y
	Unit	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3
92-PMA-0004-2	Till Pulp	60.56	15.11	6.57	2.59	2.37	2.05	1.84	0.76	0.19	0.12	0.016	60	869	112	68	<20	236	140	<30	22
92-PMA-0016-1	Till Pulp	59.74	12.97	6.65	4.18	5.71	2.62	1.45	0.75	0.19	0.13	0.026	65	703	69	77	23	348	105	<30	19
92-PMA-0016-2	Till Pulp	58.56	13.34	7.07	4.47	5.50	2.57	1.56	0.76	0.20	0.13	0.025	71	750	78	87	23	344	117	<30	19
92-PMA-0016-3	Till Pulp	59.86	12.99	6.75	4.28	5.75	2.62	1.44	0.76	0.19	0.13	0.028	63	717	72	85	21	354	114	<30	19
92-PMA-0016-4	Till Pulp	58.49	13.26	7.11	4.49	5.81	2.60	1.47	0.76	0.19	0.13	0.027	66	730	71	83	20	352	112	<30	19
92-PMA-0028-2	Till Pulp	62.06	12.67	6.20	3.60	4.86	2.52	1.65	0.71	0.19	0.12	0.022	63	1063	83	81	<20	313	115	32	19
92-PMA-0028-3	Till Pulp	60.72	12.90	6.37	3.76	4.80	2.47	1.73	0.71	0.20	0.13	0.024	69	980	91	92	<20	308	116	<30	19
92-PMA-0032-1	Till Pulp	64.10	11.99	5.58	2.74	5.61	2.70	1.66	0.70	0.19	0.10	0.022	42	812	57	57	<20	377	173	35	20
92-PMA-0032-2	Till Pulp	64.05	12.07	5.68	2.77	5.51	2.73	1.66	0.72	0.20	0.11	0.024	43	823	56	49	<20	387	176	34	21
92-PMA-0032-3	Till Pulp	64.50	12.06	5.57	2.74	5.38	2.77	1.63	0.69	0.20	0.10	0.022	46	821	57	54	<20	379	145	32	19
92-PMA-0044	Till Pulp	63.73	12.95	7.24	2.60	5.23	3.11	2.23	0.60	0.21	0.10	0.023	70	888	37	36	<20	591	151	31	21
92-PMA-0058	Till Pulp	58.06	16.21	7.62	2.51	4.17	3.28	2.26	0.79	0.31	0.15	0.011	96	1093	70	28	<20	528	149	<30	22
92-PMA-0058-b	Rock Pulp	72.33	12.01	3.97	1.70	3.26	3.46	1.42	0.38	0.13	0.06	0.016	156	451	216	88	52	393	151	40	11
92-PMA-0062-1	Till Pulp	54.05	15.77	8.20	4.36	4.30	2.30	2.37	0.70	0.22	0.17	0.020	138	1072	105	92	31	414	96	<30	19
92-PMA-0062-2	Till Pulp	57.96	14.08	6.93	3.07	6.62	3.23	2.32	0.61	0.20	0.13	0.016	67	879	59	43	<20	567	107	<30	17
92-PMA-0062-3	Till Pulp	58.95	14.10	6.71	2.92	6.63	3.22	2.31	0.60	0.21	0.12	0.016	58	899	56	42	<20	575	121	<30	16
92-PMA-0065-1	Till Pulp	61.84	10.58	5.39	3.07	7.36	2.42	1.44	0.66	0.23	0.10	0.026	47	771	92	75	<20	341	146	39	21
92-PMA-0065-2	Till Pulp	67.06	10.84	6.28	2.51	4.20	2.60	1.40	0.75	0.24	0.11	0.032	52	765	85	96	<20	320	166	44	22
92-PMA-0066-1	Till Pulp	60.39	11.12	5.55	3.71	7.67	2.52	1.32	0.81	0.27	0.10	0.026	50	680	66	83	<20	373	137	<30	20
92-PMA-0066-2	Till Pulp	55.86	10.71	5.96	5.26	8.81	2.15	1.29	0.80	0.30	0.11	0.041	54	754	74	184	21	374	133	30	20
92-PMA-0066-3	Till Pulp	56.81	10.39	5.82	5.18	8.58	2.23	1.23	0.74	0.29	0.10	0.041	58	674	77	199	<20	359	120	41	19
92-PMA-0066-4	Till Pulp	58.92	11.40	5.83	4.03	7.36	1.91	1.68	0.80	0.28	0.09	0.036	57	1419	101	167	21	325	153	37	23
92-PMA-0066-5	Till Pulp	58.26	11.96	5.85	3.62	7.52	2.05	1.80	0.86	0.28	0.09	0.032	59	1416	97	130	<20	329	180	42	24
92-PMA-0066-6	Till Pulp	61.95	11.47	5.59	3.67	6.31	2.48	1.45	0.79	0.24	0.10	0.030	50	945	72	109	<20	347	148	<30	21
92-PMA-0066-7	Till Pulp	60.52	11.91	5.79	3.80	6.72	2.55	1.52	0.83	0.24	0.11	0.027	57	817	74	111	23	364	136	49	21
92-PMA-0074	Till Pulp	62.10	12.71	5.86	3.00	2.86	1.96	1.71	0.72	0.17	0.10	0.025	86	1524	117	139	20	223	145	39	22
92-PMA-0078-1	Till Pulp	66.98	11.66	5.40	2.60	4.34	2.72	1.74	0.65	0.24	0.09	0.020	45	865	54	57	<20	387	198	<30	19
92-PMA-0078-2	Till Pulp	65.16	12.64	5.62	2.67	4.34	2.83	1.98	0.63	0.23	0.10	0.018	48	924	58	56	<20	414	194	33	18
92-PMA-0078-3	Till Pulp	63.87	13.15	6.04	3.05	3.92	2.64	1.97	0.66	0.23	0.11	0.020	59	989	78	75	<20	373	163	<30	19
92-PMA-0078-4	Till Pulp	65.71	12.45	5.62	2.63	4.22	2.64	1.89	0.64	0.23	0.10	0.019	51	944	69	56	<20	386	197	34	19

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BUREAU VERITAS MINERAL LABORATORIES Canada

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_3
Report Date: February 13, 2023

CERTIFICATE OF ANALYSIS VAN22003531.1

	Method	LF300	LF300	LF300	LF300	TC000	TC000	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Nb	Sc	LOI	Sum	TOT/C	TOT/S	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
	Unit	ppm	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm
	MDL	5	1	-5.1	0.01	0.02	0.02	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5
92-PMA-0004-2	Till Pulp	5	18		92.37	0.77	0.05	1.01	53.17	11.71	114.9	160	63.1	18.9	946	3.92	11.3	0.6	1.0	2.5	70.5
92-PMA-0016-1	Till Pulp	6	21	5.3	99.88	0.70	0.04	0.70	61.96	7.18	63.2	101	69.0	18.5	753	3.50	7.3	0.6	14.2	1.8	87.2
92-PMA-0016-2	Till Pulp	7	21	5.5	99.88	0.74	0.05	0.79	65.57	6.36	68.5	111	74.6	19.8	813	3.74	8.0	0.6	1.4	1.9	88.7
92-PMA-0016-3	Till Pulp	8	21	4.9	99.89	0.71	0.08	0.76	59.93	5.18	62.8	98	68.5	18.3	769	3.45	7.3	0.6	2.2	1.7	91.3
92-PMA-0016-4	Till Pulp	6	21	5.4	99.89	0.68	0.07	0.94	62.63	5.89	64.6	103	73.9	19.6	790	3.66	7.4	0.5	1.9	1.7	91.2
92-PMA-0028-2	Till Pulp	9	17	5.1	99.90	0.67	<0.02	1.17	61.18	5.76	80.3	127	75.4	17.6	806	3.40	8.0	1.4	2.0	2.6	82.9
92-PMA-0028-3	Till Pulp	<5	18	5.9	99.89	0.77	<0.02	1.17	66.12	6.21	89.4	154	82.6	17.5	837	3.53	8.8	0.5	1.7	2.6	87.1
92-PMA-0032-1	Till Pulp	7	16	4.3	99.92	0.64	<0.02	0.57	42.99	4.81	47.5	86	44.8	12.2	568	2.70	6.2	0.5	3.6	2.6	78.3
92-PMA-0032-2	Till Pulp	<5	17	4.2	99.91	0.61	<0.02	0.57	42.43	4.48	48.1	89	45.5	12.5	575	2.82	6.1	0.5	2.5	2.4	78.9
92-PMA-0032-3	Till Pulp	<5	16	4.1	99.92	0.60	<0.02	0.60	45.93	4.78	51.8	95	46.9	12.8	584	2.91	6.4	0.5	2.3	2.5	78.7
92-PMA-0044	Till Pulp	<5	21	1.7	99.92	0.10	<0.02	0.39	66.60	3.58	23.9	34	24.3	10.2	370	3.51	4.6	0.5	9.4	1.5	51.9
92-PMA-0058	Till Pulp	11	20	4.3	99.91	0.14	<0.02	0.43	90.05	5.06	56.5	81	22.1	15.8	820	3.96	9.4	0.7	6.3	2.5	75.0
92-PMA-0058-b	Rock Pulp	15	9	1.0	99.95	0.07	0.04	12.21	160.78	279.62	218.4	107	82.0	49.7	288	1.65	9.9	0.4	37.1	3.0	33.0
92-PMA-0062-1	Till Pulp	11	21	7.2	99.87	0.50	<0.02	1.37	135.26	36.90	100.8	149	89.3	26.8	1186	4.68	10.9	0.6	3.2	3.4	130.8
92-PMA-0062-2	Till Pulp	7	18	4.5	99.90	0.68	0.06	1.21	63.72	5.52	46.7	90	39.6	14.9	669	3.45	5.3	0.6	2.6	1.7	85.8
92-PMA-0062-3	Till Pulp	<5	17	3.9	99.90	0.59	0.07	1.01	59.19	4.87	44.8	76	33.9	13.2	582	3.22	4.8	0.5	2.0	1.7	74.3
92-PMA-0065-1	Till Pulp	10	15	6.6	99.91	1.55	0.36	1.48	42.84	8.73	86.0	345	68.9	14.4	596	2.79	16.0	0.5	1.0	2.0	106.2
92-PMA-0065-2	Till Pulp	9	16	3.7	99.92	0.42	<0.02	1.17	47.92	9.53	80.6	251	91.9	19.1	654	3.26	26.5	0.5	39.9	2.3	59.4
92-PMA-0066-1	Till Pulp	10	18	6.2	99.90	1.29	0.04	1.11	44.29	6.95	60.8	154	77.5	15.3	564	2.80	13.3	0.6	0.6	2.0	146.9
92-PMA-0066-2	Till Pulp	15	18	8.4	99.88	1.80	0.08	1.13	48.92	8.68	67.0	153	176.8	21.1	641	3.14	15.7	0.6	0.8	2.0	186.7
92-PMA-0066-3	Till Pulp	10	18	8.3	99.88	1.51	0.02	1.00	51.53	6.55	71.4	116	196.3	19.0	587	3.10	13.1	0.5	1.1	2.0	178.9
92-PMA-0066-4	Till Pulp	8	18	7.3	99.89	1.20	<0.02	1.28	54.86	11.51	94.3	230	160.3	19.9	568	3.19	35.9	0.5	10.2	3.2	154.2
92-PMA-0066-5	Till Pulp	11	19	7.3	99.89	1.25	<0.02	0.94	55.32	10.80	90.2	216	125.1	19.7	586	3.14	87.0	0.5	66.0	3.3	142.3
92-PMA-0066-6	Till Pulp	10	17	5.6	99.89	1.05	0.06	0.93	44.54	8.73	63.3	208	96.3	16.7	561	2.78	17.7	0.5	0.8	2.2	110.3
92-PMA-0066-7	Till Pulp	19	20	5.7	99.90	1.09	0.08	1.13	49.43	8.38	64.2	234	93.1	18.6	607	3.11	17.4	0.7	97.5	3.1	119.3
92-PMA-0074	Till Pulp	13	16		91.48	0.79	<0.02	4.08	72.34	12.73	119.1	170	122.1	19.7	728	3.64	12.1	0.9	2.4	4.0	75.0
92-PMA-0078-1	Till Pulp	11	15	3.3	99.92	0.53	0.07	0.70	38.43	6.21	45.8	88	52.9	11.7	491	2.68	6.8	1.3	3.6	4.1	72.9
92-PMA-0078-2	Till Pulp	11	15	3.5	99.90	0.50	0.05	0.76	42.49	6.86	49.6	89	46.3	13.0	564	2.96	7.2	1.3	4.0	5.2	81.3
92-PMA-0078-3	Till Pulp	8	16	4.0	99.91	0.56	0.05	0.77	55.15	9.02	69.3	202	66.6	15.7	649	3.20	8.5	1.2	13.6	4.5	84.1
92-PMA-0078-4	Till Pulp	10	14	3.6	99.91	0.55	0.06	0.72	43.58	7.87	56.4	91	50.4	12.9	567	2.86	8.3	1.3	3.3	4.5	78.0

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Report Date: February 13, 2023

CERTIFICATE OF ANALYSIS VAN22003531.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg
	Unit	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb
	MDL	0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5
92-PMA-0004-2	Till Pulp	0.41	0.20	0.14	73	1.13	0.081	11.1	52.4	1.21	227.8	0.053	<20	2.06	0.035	0.14	<0.1	8.9	0.12	0.06	167
92-PMA-0016-1	Till Pulp	0.24	0.28	0.06	95	2.23	0.088	8.5	83.1	1.67	121.9	0.143	<20	1.87	0.026	0.11	<0.1	8.1	0.07	0.04	111
92-PMA-0016-2	Till Pulp	0.26	0.25	0.07	98	2.20	0.086	8.8	87.6	1.84	146.1	0.144	<20	2.04	0.029	0.12	<0.1	8.9	0.06	0.06	134
92-PMA-0016-3	Till Pulp	0.25	0.23	0.06	94	2.24	0.083	8.0	83.5	1.70	133.8	0.138	<20	1.84	0.028	0.11	<0.1	8.4	0.07	0.09	116
92-PMA-0016-4	Till Pulp	0.23	0.25	0.06	99	2.20	0.082	8.2	96.7	1.80	146.0	0.147	<20	1.99	0.029	0.11	<0.1	8.9	0.06	0.07	99
92-PMA-0028-2	Till Pulp	0.40	0.39	0.09	80	2.13	0.086	9.7	76.2	1.49	234.2	0.124	<20	1.71	0.022	0.12	<0.1	7.2	0.09	<0.02	128
92-PMA-0028-3	Till Pulp	0.47	0.40	0.09	82	2.20	0.085	10.2	83.3	1.61	163.3	0.126	<20	1.81	0.024	0.13	<0.1	7.6	0.09	<0.02	123
92-PMA-0032-1	Till Pulp	0.26	0.29	0.07	70	2.13	0.085	10.0	54.3	0.94	114.0	0.106	<20	1.16	0.022	0.08	<0.1	4.9	0.06	<0.02	66
92-PMA-0032-2	Till Pulp	0.30	0.32	0.06	76	2.13	0.089	9.6	56.2	0.95	117.1	0.116	<20	1.20	0.024	0.09	<0.1	5.2	0.06	<0.02	70
92-PMA-0032-3	Till Pulp	0.29	0.32	0.07	79	2.13	0.091	10.0	60.0	1.01	120.3	0.119	<20	1.31	0.025	0.10	<0.1	5.7	0.07	<0.02	66
92-PMA-0044	Till Pulp	0.04	0.18	0.05	103	0.74	0.091	7.2	62.0	0.51	52.2	0.088	<20	0.92	0.036	0.05	0.1	7.1	0.04	<0.02	92
92-PMA-0058	Till Pulp	0.11	0.22	0.07	122	1.02	0.133	10.1	34.3	0.89	168.1	0.140	<20	1.95	0.027	0.11	<0.1	9.4	0.06	<0.02	183
92-PMA-0058-b	Rock Pulp	0.53	0.16	0.14	25	0.58	0.058	25.5	31.7	0.49	62.1	0.074	<20	0.84	0.093	0.12	<0.1	3.0	0.08	0.05	21
92-PMA-0062-1	Till Pulp	0.27	1.66	0.15	116	1.82	0.100	11.2	89.2	1.94	243.0	0.120	<20	2.75	0.041	0.28	<0.1	11.8	0.13	<0.02	124
92-PMA-0062-2	Till Pulp	0.25	0.27	0.07	103	2.47	0.095	7.3	58.4	1.01	97.8	0.100	<20	1.35	0.045	0.12	<0.1	6.3	0.05	0.08	154
92-PMA-0062-3	Till Pulp	0.24	0.26	0.06	96	2.25	0.094	6.9	53.3	0.89	84.0	0.093	<20	1.22	0.043	0.11	<0.1	5.7	0.04	0.09	114
92-PMA-0065-1	Till Pulp	0.73	0.96	0.08	62	3.69	0.100	6.6	64.3	1.24	78.4	0.090	<20	1.02	0.015	0.07	<0.1	5.9	0.11	0.40	166
92-PMA-0065-2	Till Pulp	0.46	1.12	0.09	60	1.41	0.100	8.9	75.4	0.87	73.6	0.075	<20	0.91	0.013	0.06	<0.1	5.6	0.08	<0.02	119
92-PMA-0066-1	Till Pulp	0.40	0.62	0.07	67	3.64	0.110	8.4	75.6	1.45	69.4	0.125	<20	1.22	0.014	0.07	<0.1	5.9	0.06	0.05	90
92-PMA-0066-2	Till Pulp	0.47	0.64	0.07	67	4.56	0.125	8.1	144.2	2.43	98.2	0.109	<20	1.32	0.014	0.08	<0.1	6.6	0.08	0.09	114
92-PMA-0066-3	Till Pulp	0.50	0.58	0.06	70	4.55	0.130	9.1	156.6	2.42	98.6	0.116	<20	1.37	0.014	0.08	<0.1	7.4	0.09	0.03	112
92-PMA-0066-4	Till Pulp	0.59	1.50	0.11	62	3.95	0.116	11.7	117.7	1.79	129.0	0.098	<20	1.21	0.014	0.09	<0.1	7.4	0.11	<0.02	176
92-PMA-0066-5	Till Pulp	0.59	1.37	0.11	61	3.93	0.114	11.8	97.7	1.55	134.5	0.097	<20	1.18	0.014	0.09	<0.1	7.5	0.10	<0.02	161
92-PMA-0066-6	Till Pulp	0.35	0.83	0.08	63	2.81	0.099	8.2	86.1	1.42	92.2	0.110	<20	1.11	0.015	0.07	<0.1	5.6	0.07	0.07	111
92-PMA-0066-7	Till Pulp	0.40	0.72	0.10	72	3.05	0.095	11.3	87.6	1.48	111.4	0.147	<20	1.30	0.017	0.09	<0.1	6.6	0.09	0.08	96
92-PMA-0074	Till Pulp	0.65	0.43	0.22	58	1.59	0.076	16.6	82.3	1.30	279.5	0.075	<20	1.65	0.018	0.15	<0.1	7.7	0.17	<0.02	193
92-PMA-0078-1	Till Pulp	0.31	0.56	0.12	68	1.35	0.110	13.8	55.0	0.95	159.3	0.095	<20	1.06	0.016	0.12	0.1	4.9	0.09	0.08	110
92-PMA-0078-2	Till Pulp	0.36	0.45	0.12	77	1.34	0.111	13.7	50.8	0.99	141.6	0.108	<20	1.29	0.026	0.15	0.2	5.1	0.09	0.07	108
92-PMA-0078-3	Till Pulp	0.32	0.58	0.16	75	1.41	0.106	15.0	63.5	1.19	194.7	0.111	<20	1.49	0.022	0.16	0.1	6.1	0.11	0.06	144
92-PMA-0078-4	Till Pulp	0.27	0.42	0.13	71	1.47	0.106	13.5	53.0	1.00	176.2	0.100	<20	1.32	0.025	0.15	0.1	5.5	0.09	0.08	99

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.

BUREAU VERITAS MINERAL LABORATORIES Canada

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
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Project: CICGR22_TILL_RE_3
Report Date: February 13, 2023

CERTIFICATE OF ANALYSIS VAN22003531.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
92-PMA-0004-2	Till Pulp	0.4	0.05	6.2	1.32	<0.1	0.17	0.06	7.8	3.4	<0.05	6.8	12.33	22.3	0.04	2	0.6	14.8	<10	<2
92-PMA-0016-1	Till Pulp	0.4	0.03	5.8	0.90	<0.1	0.28	0.05	5.0	5.5	<0.05	10.6	9.91	17.1	0.02	<1	0.4	11.1	<10	3
92-PMA-0016-2	Till Pulp	0.4	0.03	6.1	1.00	<0.1	0.25	0.05	5.4	3.4	<0.05	9.1	9.91	16.9	0.02	<1	0.4	12.4	<10	2
92-PMA-0016-3	Till Pulp	0.4	0.03	5.6	0.85	<0.1	0.16	0.05	4.8	2.8	<0.05	6.6	9.58	15.5	0.02	1	0.3	11.1	<10	<2
92-PMA-0016-4	Till Pulp	0.4	0.03	6.0	0.94	<0.1	0.24	0.04	4.9	3.2	<0.05	9.3	9.80	16.5	0.02	1	0.3	12.1	<10	<2
92-PMA-0028-2	Till Pulp	2.7	0.04	5.3	0.71	<0.1	0.26	0.04	6.1	0.7	<0.05	9.3	9.86	18.7	0.02	1	0.3	11.3	<10	<2
92-PMA-0028-3	Till Pulp	0.9	0.04	5.6	0.80	<0.1	0.27	0.04	6.7	0.6	<0.05	9.9	9.99	20.2	0.03	2	0.3	11.8	<10	<2
92-PMA-0032-1	Till Pulp	0.2	0.03	3.7	0.46	<0.1	0.20	0.06	4.2	0.4	<0.05	7.7	8.09	19.2	<0.02	<1	0.2	7.8	<10	<2
92-PMA-0032-2	Till Pulp	0.2	0.02	3.9	0.44	<0.1	0.22	0.08	4.4	0.5	<0.05	8.3	8.52	18.9	<0.02	<1	0.3	7.6	<10	<2
92-PMA-0032-3	Till Pulp	0.3	0.02	4.2	0.50	<0.1	0.22	0.09	4.8	0.4	<0.05	8.2	8.97	19.9	<0.02	<1	0.3	8.2	<10	<2
92-PMA-0044	Till Pulp	0.1	0.03	3.0	0.51	<0.1	0.13	0.09	2.4	1.0	<0.05	4.8	11.06	11.8	<0.02	<1	0.2	3.2	<10	2
92-PMA-0058	Till Pulp	0.2	0.03	6.6	0.96	<0.1	0.13	0.08	8.2	1.1	<0.05	6.1	13.30	20.7	0.03	<1	0.4	11.3	<10	<2
92-PMA-0058-b	Rock Pulp	<0.1	<0.02	2.7	1.17	<0.1	0.19	0.25	7.5	2.2	<0.05	6.6	5.78	43.9	0.04	<1	0.2	8.5	46	25
92-PMA-0062-1	Till Pulp	0.3	0.06	8.5	1.53	<0.1	0.23	0.04	17.3	1.5	<0.05	8.3	11.67	21.2	0.04	<1	0.7	17.1	<10	3
92-PMA-0062-2	Till Pulp	0.4	0.04	4.4	0.69	<0.1	0.22	0.04	5.4	0.9	<0.05	6.1	8.91	13.6	<0.02	<1	0.3	7.2	<10	2
92-PMA-0062-3	Till Pulp	0.5	0.04	4.1	0.60	<0.1	0.20	0.04	5.1	1.0	<0.05	5.7	8.21	13.0	<0.02	<1	0.3	6.5	<10	2
92-PMA-0065-1	Till Pulp	1.8	0.04	3.1	0.39	<0.1	0.21	0.06	3.3	1.5	<0.05	7.9	8.28	13.0	<0.02	2	0.3	7.2	<10	<2
92-PMA-0065-2	Till Pulp	0.6	0.03	2.8	0.42	<0.1	0.18	0.09	2.7	0.7	<0.05	7.0	8.47	17.8	0.02	<1	0.2	5.5	<10	<2
92-PMA-0066-1	Till Pulp	0.7	0.03	3.8	0.29	<0.1	0.12	0.07	2.4	1.9	<0.05	5.7	8.84	16.5	<0.02	1	0.2	9.8	<10	<2
92-PMA-0066-2	Till Pulp	0.9	0.04	3.9	0.34	<0.1	0.15	0.05	3.0	3.5	<0.05	6.3	9.54	15.8	<0.02	1	0.3	10.8	<10	<2
92-PMA-0066-3	Till Pulp	3.3	0.04	4.0	0.33	<0.1	0.16	0.04	3.0	1.9	<0.05	6.8	9.64	17.3	0.02	3	0.3	10.3	<10	2
92-PMA-0066-4	Till Pulp	0.6	0.05	3.5	0.57	<0.1	0.25	0.03	3.7	2.7	<0.05	9.7	9.36	23.0	0.02	<1	0.3	9.2	<10	3
92-PMA-0066-5	Till Pulp	1.0	0.05	3.4	0.59	<0.1	0.23	0.04	3.7	1.3	<0.05	9.0	9.42	23.4	0.02	<1	0.3	8.6	<10	<2
92-PMA-0066-6	Till Pulp	0.8	0.03	3.4	0.40	<0.1	0.24	0.06	2.8	2.1	<0.05	9.0	8.10	16.3	<0.02	<1	0.3	8.3	<10	<2
92-PMA-0066-7	Till Pulp	0.7	0.05	4.1	0.54	<0.1	0.24	0.11	3.7	1.5	<0.05	7.2	8.93	21.0	0.02	2	0.3	10.4	<10	<2
92-PMA-0074	Till Pulp	0.3	0.07	5.0	1.41	<0.1	0.21	0.03	9.0	1.6	<0.05	7.3	10.56	31.8	0.03	3	0.4	12.7	<10	3
92-PMA-0078-1	Till Pulp	0.4	0.03	3.4	0.79	<0.1	0.16	0.17	6.7	1.1	<0.05	4.5	8.25	24.4	<0.02	<1	0.3	8.1	<10	<2
92-PMA-0078-2	Till Pulp	0.3	0.03	4.2	0.88	<0.1	0.17	0.15	8.6	1.6	<0.05	5.1	8.62	24.9	<0.02	<1	0.3	10.4	<10	<2
92-PMA-0078-3	Till Pulp	0.4	0.04	4.8	1.13	<0.1	0.21	0.17	9.9	2.2	<0.05	5.9	9.37	26.4	<0.02	1	0.5	12.4	<10	<2
92-PMA-0078-4	Till Pulp	0.3	0.04	4.2	0.87	<0.1	0.17	0.12	8.4	2.0	<0.05	5.0	8.91	24.3	0.02	<1	0.4	9.6	<10	2

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.

BUREAU VERITAS MINERAL LABORATORIES Canada

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Project: CICGR22_TILL_RE_3
Report Date: February 13, 2023

CERTIFICATE OF ANALYSIS VAN22003531.1

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y
	Unit	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3
92-PMA-0080-1	Till Pulp	64.29	11.08	5.69	2.89	5.51	2.30	1.61	0.63	0.26	0.11	0.027	78	888	66	67	<20	375	136	35	16
92-PMA-0080-2	Till Pulp	63.32	10.55	5.76	3.06	6.11	2.13	1.47	0.61	0.25	0.12	0.031	79	916	70	81	<20	344	142	<30	18
92-PMA-0081-1	Till Pulp	66.66	11.08	5.42	3.82	3.22	1.87	1.71	0.72	0.18	0.12	0.031	66	1219	91	161	24	186	155	34	21
92-PMA-0081-2	Till Pulp	63.16	11.36	5.55	3.83	3.08	1.73	1.81	0.69	0.17	0.11	0.030	307	1286	98	152	21	161	139	37	20
92-PMA-0086	Till Pulp	63.21	9.54	5.64	8.24	3.73	1.87	1.01	0.63	0.16	0.13	0.070	68	562	71	497	31	184	111	<30	18
92-PMA-0086-b	Rock Pulp	72.08	12.14	3.79	1.66	3.44	3.50	1.45	0.38	0.13	0.06	0.009	26	463	32	22	<20	401	164	38	11
92-PMA-0089-1	Till Pulp	59.26	12.81	6.21	3.82	5.45	2.07	1.83	0.74	0.27	0.11	0.026	78	1263	141	116	26	299	162	37	25
92-PMA-0089-2	Till Pulp	60.66	11.52	6.06	3.63	6.58	2.38	1.50	0.91	0.26	0.10	0.027	76	1196	109	105	<20	353	145	38	22
92-PMA-0089-3	Till Pulp	63.29	10.91	5.21	3.19	6.92	2.66	1.32	0.76	0.21	0.10	0.026	60	708	66	91	21	370	131	43	20
92-PMA-0089-4	Till Pulp	60.50	11.19	5.79	3.52	7.45	2.48	1.41	0.81	0.23	0.10	0.026	77	759	76	90	23	380	141	39	21
92-PMA-0089-5	Till Pulp	62.24	10.81	5.94	3.12	7.19	2.56	1.26	0.76	0.23	0.10	0.030	71	709	73	96	20	370	153	34	22
92-PMA-0091-1	Till Pulp	57.49	11.69	6.17	5.16	6.82	2.15	1.58	0.72	0.29	0.11	0.038	74	764	89	194	25	343	151	37	22
92-PMA-0091-2	Till Pulp	55.14	12.49	6.80	5.49	7.14	2.18	1.48	0.77	0.26	0.12	0.036	97	745	104	163	32	315	134	36	21
92-PMA-0091-3	Till Pulp	58.73	11.54	6.03	4.43	7.62	2.58	1.26	0.83	0.26	0.11	0.032	82	629	77	117	21	383	139	37	22
92-PMA-0097-1	Till Pulp	56.57	11.62	6.13	5.67	7.30	2.34	1.41	0.71	0.29	0.11	0.035	78	717	92	171	23	352	116	<30	21
92-PMA-0097-2	Till Pulp	56.63	11.17	5.98	6.01	7.60	2.35	1.36	0.68	0.28	0.11	0.037	197	683	83	203	22	349	115	40	22
92-PMA-0097-3	Till Pulp	56.99	10.86	5.95	5.55	8.07	2.36	1.29	0.69	0.29	0.11	0.040	148	647	84	186	21	363	121	<30	21
92-PMA-0097-4	Till Pulp	57.67	10.55	5.92	5.48	8.25	2.35	1.25	0.68	0.28	0.11	0.044	179	628	83	213	22	371	128	44	21
92-PMA-0108	Till Pulp	51.04	11.95	9.02	6.49	8.77	2.34	1.68	0.90	0.27	0.17	0.051	254	721	107	116	35	339	90	<30	18
92-PMA-0115	Till Pulp	65.14	11.49	6.11	3.79	5.09	2.70	1.07	0.75	0.23	0.12	0.033	97	532	92	75	<20	286	147	35	24
93-PMA-0195-1	Till Pulp	78.07	8.46	3.03	0.66	1.34	3.11	1.10	0.62	1.40	0.09	0.013	174	633	43	22	<20	221	142	43	15
93-PMA-0210-5	Till Pulp	82.89	5.64	2.70	0.89	2.10	1.76	0.55	0.55	0.40	0.07	0.007	234	352	52	28	<20	102	92	55	18
93-PMA-0520-1	Till Pulp	67.31	11.65	4.34	2.57	3.83	2.88	1.43	0.79	0.44	0.09	0.026	153	772	70	83	<20	291	141	41	22
93-PMA-0523-1	Till Pulp	68.46	10.82	4.13	2.21	3.89	2.81	1.37	0.81	0.50	0.08	0.017	170	1149	64	55	<20	263	141	34	22
93-PMA-0530-2	Till Pulp	69.74	9.27	3.50	2.39	5.47	2.73	0.89	0.76	0.38	0.07	0.014	51	548	41	25	<20	251	167	36	19
93-PMA-0562	Till Pulp	63.14	10.13	3.45	2.49	8.31	2.84	1.15	0.57	0.49	0.08	0.023	39	742	67	68	<20	339	119	30	17
93-PMA-0564	Till Pulp	71.50	9.63	3.79	2.49	3.91	2.72	1.14	0.62	0.39	0.07	0.024	34	617	52	82	<20	242	128	<30	17
93-PMA-0564-b	Rock Pulp	71.90	12.14	4.01	1.72	3.30	3.44	1.46	0.38	0.13	0.07	0.015	170	471	218	90	52	402	163	53	11
97-PMA-0503-1	Till Pulp	79.15	8.00	3.78	1.40	1.21	1.71	1.06	0.60	0.17	0.11	0.011	53	703	71	43	<20	98	111	<30	19
97-PMA-0508-1	Till Pulp	76.68	7.56	3.72	2.30	2.63	1.84	0.89	0.50	0.12	0.11	0.021	50	585	58	86	<20	127	89	<30	16

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BUREAU VERITAS MINERAL LABORATORIES Canada

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_3
Report Date: February 13, 2023

CERTIFICATE OF ANALYSIS VAN22003531.1

	Method	LF300	LF300	LF300	LF300	TC000	TC000	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Nb	Sc	LOI	Sum	TOT/C	TOT/S	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
	Unit	ppm	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm
	MDL	5	1	-5.1	0.01	0.02	0.02	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5
92-PMA-0080-1	Till Pulp	11	15	5.3	99.90	0.93	0.11	1.11	70.54	7.54	56.8	113	60.6	14.3	675	3.03	11.9	1.2	6.3	3.5	108.0
92-PMA-0080-2	Till Pulp	10	15	6.3	99.92	1.12	0.14	1.68	69.06	8.30	59.5	136	70.3	14.6	737	3.03	15.1	1.1	5.2	2.8	103.4
92-PMA-0081-1	Till Pulp	8	15	4.9	99.90	0.76	0.06	2.02	61.95	9.45	84.4	168	131.0	19.7	742	3.03	9.7	1.2	4.9	4.4	54.3
92-PMA-0081-2	Till Pulp	9	15		91.77	0.88	0.08	2.21	69.84	10.41	95.2	186	137.4	21.3	795	3.36	10.4	1.0	2.4	4.8	55.7
92-PMA-0086	Till Pulp	<5	13	5.4	99.84	0.71	<0.02	0.59	44.83	4.98	59.6	90	418.2	31.5	779	2.98	2.5	0.5	2.1	2.6	34.1
92-PMA-0086-b	Rock Pulp	<5	8	1.2	99.96	0.07	<0.02	0.68	24.21	2.37	21.8	27	18.6	6.4	270	1.56	0.6	0.5	1.8	3.6	34.6
92-PMA-0089-1	Till Pulp	12	18	7.0	99.88	1.37	0.23	2.77	69.76	14.68	132.4	410	105.0	22.6	722	3.74	31.5	1.0	1.7	4.3	121.9
92-PMA-0089-2	Till Pulp	15	19	6.0	99.89	1.25	0.23	2.40	72.20	10.66	102.8	255	95.1	20.3	593	3.52	29.5	1.4	3.0	3.3	137.6
92-PMA-0089-3	Till Pulp	14	18	5.1	99.91	1.04	0.07	0.86	39.38	9.76	54.2	128	79.2	17.2	512	2.61	16.5	0.6	2.5	2.6	115.1
92-PMA-0089-4	Till Pulp	12	19	6.2	99.90	1.30	0.10	0.97	48.32	9.76	63.9	164	83.3	18.1	585	3.06	18.5	0.6	1.8	2.8	147.8
92-PMA-0089-5	Till Pulp	9	20	5.5	99.91	0.96	0.04	0.83	52.31	8.96	65.6	103	87.9	16.9	555	3.08	25.6	0.5	8.9	2.9	123.8
92-PMA-0091-1	Till Pulp	13	19	7.4	99.86	1.32	0.03	1.77	53.57	9.16	81.8	198	172.8	23.6	643	3.46	20.9	0.9	2.0	3.5	144.1
92-PMA-0091-2	Till Pulp	12	23	7.7	99.85	1.36	0.05	2.29	76.13	9.82	106.9	268	149.4	26.1	764	3.99	20.3	0.9	3.9	3.3	142.1
92-PMA-0091-3	Till Pulp	13	22	6.3	99.87	1.13	0.03	1.76	51.19	6.86	69.5	155	104.5	18.0	614	3.15	13.4	0.7	1.0	2.5	132.8
92-PMA-0097-1	Till Pulp	11	20	7.5	99.86	1.47	0.15	1.85	61.31	7.15	82.9	239	152.1	22.1	686	3.43	11.2	1.0	1.0	2.6	141.3
92-PMA-0097-2	Till Pulp	<5	18	7.4	99.86	1.45	0.16	1.95	58.05	7.62	79.5	224	190.8	22.1	680	3.36	10.8	1.0	1.7	2.5	143.7
92-PMA-0097-3	Till Pulp	13	19	7.5	99.86	1.53	0.20	1.53	53.17	7.06	75.0	217	167.6	21.1	650	3.27	9.5	1.0	2.9	2.4	140.2
92-PMA-0097-4	Till Pulp	8	20	7.1	99.86	1.50	0.24	1.48	53.90	6.98	70.1	222	186.2	22.4	632	3.18	10.9	0.9	0.8	2.2	142.0
92-PMA-0108	Till Pulp	10	29	7.0	99.83	0.77	0.03	0.77	99.52	9.27	94.7	129	94.9	29.3	935	4.85	5.2	0.6	2.5	1.8	77.2
92-PMA-0115	Till Pulp	9	26	3.2	99.90	0.16	<0.02	1.60	91.51	8.06	87.5	235	61.9	15.8	674	3.20	10.7	0.5	3.3	2.9	52.2
93-PMA-0195-1	Till Pulp	<5	8	2.0	99.98	0.13	<0.02	0.58	18.56	8.11	45.9	34	23.3	8.9	656	1.92	3.5	0.3	1.9	1.8	31.1
93-PMA-0210-5	Till Pulp	9	7	2.3	99.95	0.33	<0.02	1.65	32.13	13.69	55.3	49	28.6	10.1	508	1.72	8.0	0.3	1.7	2.5	35.4
93-PMA-0520-1	Till Pulp	7	13	4.4	99.92	0.70	<0.02	0.88	25.88	8.54	65.2	59	80.8	14.5	641	2.46	5.5	0.6	1.3	2.9	77.3
93-PMA-0523-1	Till Pulp	8	11	4.6	99.95	0.92	0.05	1.60	30.31	8.10	64.6	138	46.8	11.2	561	2.53	5.2	0.6	2.0	2.8	77.0
93-PMA-0530-2	Till Pulp	12	11	4.6	99.93	1.04	<0.02	0.61	26.47	6.87	33.1	34	20.5	7.3	357	1.66	5.5	0.4	2.1	1.8	40.5
93-PMA-0562	Till Pulp	9	11	7.1	99.94	1.60	<0.02	1.06	22.63	5.22	59.2	47	57.1	11.2	480	1.86	14.1	0.6	2.2	2.4	93.4
93-PMA-0564	Till Pulp	9	11	3.5	99.94	0.54	<0.02	0.67	24.15	4.88	47.2	39	73.2	10.7	422	2.05	7.4	0.5	2.7	2.5	56.2
93-PMA-0564-b	Rock Pulp	14	9	1.2	99.96	0.07	0.04	13.79	166.43	300.04	228.8	124	86.6	53.9	295	1.75	10.6	0.5	40.9	4.1	39.9
97-PMA-0503-1	Till Pulp	7	10	2.6	99.94	0.15	<0.02	1.68	44.74	9.10	75.9	119	46.0	10.6	857	2.53	16.8	0.4	3.8	2.9	20.0
97-PMA-0508-1	Till Pulp	7	10	3.5	99.93	0.49	<0.02	1.38	38.44	4.98	57.7	96	87.0	12.8	795	2.24	6.1	0.4	1.3	2.2	52.3

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Project: CICGR22_TILL_RE_3
Report Date: February 13, 2023

CERTIFICATE OF ANALYSIS VAN22003531.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg
	Unit	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb
	MDL	0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5
92-PMA-0080-1	Till Pulp	0.29	0.66	0.27	77	2.61	0.111	12.1	54.1	1.17	210.2	0.082	<20	1.19	0.014	0.11	0.2	6.8	0.07	0.13	153
92-PMA-0080-2	Till Pulp	0.40	0.63	0.34	77	3.09	0.108	10.5	61.7	1.25	269.6	0.077	<20	1.16	0.013	0.11	0.3	7.0	0.08	0.15	167
92-PMA-0081-1	Till Pulp	0.46	0.65	0.19	48	1.47	0.083	15.6	95.9	1.52	287.2	0.090	<20	1.44	0.018	0.18	<0.1	5.5	0.15	0.07	95
92-PMA-0081-2	Till Pulp	0.51	0.72	0.20	51	1.51	0.079	15.9	98.1	1.63	333.9	0.089	<20	1.63	0.016	0.20	<0.1	6.2	0.15	0.10	136
92-PMA-0086	Till Pulp	0.32	0.27	0.09	45	1.45	0.066	9.7	229.3	2.94	99.9	0.085	<20	1.28	0.020	0.13	<0.1	5.4	0.11	<0.02	50
92-PMA-0086-b	Rock Pulp	0.04	0.06	0.04	26	0.71	0.058	19.6	28.3	0.51	59.5	0.085	<20	0.81	0.084	0.12	<0.1	3.3	0.08	<0.02	7
92-PMA-0089-1	Till Pulp	1.19	1.27	0.17	73	2.95	0.121	11.3	87.9	1.75	165.8	0.104	<20	1.64	0.017	0.14	<0.1	8.4	0.17	0.28	160
92-PMA-0089-2	Till Pulp	0.87	1.51	0.11	79	3.16	0.121	10.7	81.4	1.49	204.4	0.146	<20	1.35	0.016	0.12	<0.1	7.4	0.09	0.27	143
92-PMA-0089-3	Till Pulp	0.36	0.78	0.08	61	3.07	0.093	10.8	70.7	1.14	99.2	0.130	<20	1.03	0.015	0.08	<0.1	5.4	0.06	0.09	89
92-PMA-0089-4	Till Pulp	0.41	0.90	0.10	67	3.61	0.098	10.8	71.2	1.36	121.0	0.139	<20	1.23	0.014	0.09	<0.1	5.9	0.07	0.11	95
92-PMA-0089-5	Till Pulp	0.38	1.06	0.09	68	3.50	0.105	11.4	75.5	1.07	103.5	0.148	<20	1.16	0.013	0.08	<0.1	7.8	0.07	0.04	86
92-PMA-0091-1	Till Pulp	0.64	0.82	0.10	74	3.54	0.129	12.8	149.4	2.33	108.7	0.118	<20	1.55	0.016	0.13	<0.1	8.0	0.12	0.04	118
92-PMA-0091-2	Till Pulp	0.82	0.95	0.12	96	3.66	0.123	11.4	137.5	2.42	134.1	0.165	<20	2.12	0.015	0.13	<0.1	9.7	0.14	0.08	140
92-PMA-0091-3	Till Pulp	0.54	0.80	0.07	83	3.54	0.119	11.0	97.6	1.74	104.5	0.184	<20	1.59	0.016	0.09	<0.1	7.5	0.09	0.03	85
92-PMA-0097-1	Till Pulp	0.74	0.79	0.09	82	3.97	0.128	9.8	136.2	2.51	112.1	0.145	<20	1.70	0.014	0.12	<0.1	8.1	0.12	0.18	146
92-PMA-0097-2	Till Pulp	0.70	0.84	0.08	79	4.12	0.132	9.5	159.7	2.79	92.8	0.143	<20	1.62	0.013	0.10	<0.1	7.6	0.10	0.18	113
92-PMA-0097-3	Till Pulp	0.74	0.85	0.08	78	4.24	0.131	8.6	145.8	2.49	88.3	0.138	<20	1.49	0.013	0.09	<0.1	7.3	0.10	0.23	134
92-PMA-0097-4	Till Pulp	0.83	0.98	0.08	76	4.30	0.129	8.4	155.0	2.46	86.8	0.140	<20	1.38	0.012	0.08	<0.1	7.5	0.11	0.26	137
92-PMA-0108	Till Pulp	0.33	0.37	0.06	146	3.20	0.116	9.1	108.9	2.29	64.6	0.318	<20	2.45	0.033	0.08	0.1	9.9	0.07	0.04	164
92-PMA-0115	Till Pulp	0.56	1.01	0.11	96	1.38	0.113	12.7	68.8	1.05	79.3	0.182	<20	1.76	0.013	0.07	<0.1	9.2	0.12	<0.02	94
93-PMA-0195-1	Till Pulp	0.36	0.28	0.05	41	0.30	0.665	10.9	23.3	0.27	97.9	0.061	<20	0.66	0.585	0.06	<0.1	3.4	0.05	<0.02	6398
93-PMA-0210-5	Till Pulp	0.47	1.32	0.11	21	1.15	0.202	15.6	22.9	0.39	59.7	0.057	<20	0.47	0.121	0.06	<0.1	2.5	0.06	<0.02	170
93-PMA-0520-1	Till Pulp	0.56	0.39	0.09	52	1.92	0.201	15.9	70.9	1.15	152.6	0.092	<20	1.19	0.109	0.08	<0.1	5.7	0.09	<0.02	388
93-PMA-0523-1	Till Pulp	0.45	0.44	0.10	49	2.19	0.237	14.9	49.6	0.99	475.6	0.091	<20	1.09	0.177	0.10	<0.1	5.2	0.10	0.06	360
93-PMA-0530-2	Till Pulp	0.28	0.32	0.05	41	2.56	0.182	10.5	23.8	1.04	93.5	0.095	<20	0.75	0.165	0.06	<0.1	3.1	0.08	<0.02	258
93-PMA-0562	Till Pulp	0.68	1.57	0.05	39	4.55	0.218	12.9	50.8	0.99	155.4	0.066	<20	0.79	0.169	0.10	<0.1	5.1	0.16	<0.02	891
93-PMA-0564	Till Pulp	0.34	0.66	0.07	40	1.79	0.180	12.4	73.0	0.91	116.6	0.075	<20	0.83	0.122	0.06	<0.1	3.6	0.08	<0.02	69
93-PMA-0564-b	Rock Pulp	0.56	0.19	0.18	28	0.67	0.060	31.9	35.5	0.54	69.5	0.090	<20	0.87	0.092	0.13	0.1	3.5	0.09	0.05	20
97-PMA-0503-1	Till Pulp	0.55	2.67	0.17	39	0.45	0.086	15.8	41.1	0.63	177.2	0.071	<20	1.08	0.005	0.13	<0.1	4.4	0.11	<0.02	378
97-PMA-0508-1	Till Pulp	0.34	0.52	0.09	37	1.45	0.063	10.1	85.6	1.07	153.4	0.084	<20	0.91	0.008	0.11	<0.1	4.3	0.08	<0.02	70

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Project: CICGR22_TILL_RE_3
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	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
92-PMA-0080-1	Till Pulp	0.4	0.05	3.8	1.21	<0.1	0.11	0.04	6.3	1.0	<0.05	3.9	10.16	22.7	0.02	<1	0.2	8.5	<10	<2
92-PMA-0080-2	Till Pulp	0.6	0.04	3.5	1.03	<0.1	0.11	0.03	5.3	1.4	<0.05	4.1	9.93	20.0	0.02	<1	0.3	7.8	<10	<2
92-PMA-0081-1	Till Pulp	0.4	0.06	4.5	1.21	<0.1	0.19	0.11	10.2	1.6	<0.05	6.7	9.18	29.0	0.03	<1	0.4	13.8	<10	<2
92-PMA-0081-2	Till Pulp	0.8	0.05	5.2	1.36	<0.1	0.17	0.10	11.1	1.8	<0.05	6.9	9.44	29.7	0.04	<1	0.4	15.6	<10	<2
92-PMA-0086	Till Pulp	0.5	0.04	3.8	0.98	<0.1	0.11	0.03	9.4	1.1	<0.05	4.0	6.99	19.0	<0.02	<1	0.3	9.8	<10	2
92-PMA-0086-b	Rock Pulp	<0.1	<0.02	2.9	0.39	<0.1	0.18	0.14	7.0	0.5	<0.05	5.1	5.81	31.4	<0.02	<1	0.1	6.8	<10	<2
92-PMA-0089-1	Till Pulp	2.3	0.06	4.5	0.92	<0.1	0.14	0.05	6.2	1.8	<0.05	5.6	10.73	21.2	0.04	3	0.5	13.8	<10	3
92-PMA-0089-2	Till Pulp	1.2	0.06	4.3	0.70	<0.1	0.18	0.12	4.7	1.1	<0.05	7.2	10.33	19.7	0.03	2	0.2	12.2	<10	<2
92-PMA-0089-3	Till Pulp	0.5	<0.02	3.0	0.37	<0.1	0.22	0.11	2.8	2.1	<0.05	7.0	8.19	19.5	0.02	<1	0.1	7.3	<10	<2
92-PMA-0089-4	Till Pulp	0.5	0.02	3.8	0.44	<0.1	0.25	0.09	3.3	2.0	<0.05	7.7	8.79	20.5	<0.02	<1	0.3	10.4	<10	3
92-PMA-0089-5	Till Pulp	0.3	0.04	3.7	0.35	<0.1	0.26	0.10	3.2	0.9	<0.05	8.5	9.88	21.4	0.03	<1	0.2	8.1	<10	<2
92-PMA-0091-1	Till Pulp	0.9	0.03	4.6	0.69	<0.1	0.15	0.05	5.5	1.2	<0.05	6.3	10.45	23.4	0.02	2	0.4	11.7	<10	4
92-PMA-0091-2	Till Pulp	1.8	0.03	6.3	0.68	<0.1	0.13	0.07	5.3	1.3	<0.05	5.7	11.16	21.5	0.03	2	0.4	18.6	<10	4
92-PMA-0091-3	Till Pulp	0.6	0.03	5.0	0.45	<0.1	0.14	0.11	3.4	2.0	<0.05	6.0	10.65	20.8	0.03	1	0.4	12.3	<10	3
92-PMA-0097-1	Till Pulp	1.2	0.04	4.8	0.58	<0.1	0.10	0.03	3.8	1.1	<0.05	4.3	10.50	18.3	0.03	4	0.3	13.7	<10	3
92-PMA-0097-2	Till Pulp	1.5	0.03	4.6	0.47	<0.1	0.08	0.04	3.4	1.3	<0.05	4.0	10.52	17.3	<0.02	2	0.4	13.8	<10	4
92-PMA-0097-3	Till Pulp	1.6	0.03	4.2	0.39	<0.1	0.11	0.05	2.9	1.1	<0.05	4.3	9.93	16.2	0.02	2	0.2	12.1	<10	<2
92-PMA-0097-4	Till Pulp	1.3	0.03	3.8	0.39	<0.1	0.12	0.04	2.8	0.9	<0.05	4.8	10.20	15.6	0.02	2	0.3	10.6	<10	3
92-PMA-0108	Till Pulp	0.3	<0.02	9.4	2.56	0.2	0.21	0.08	3.9	2.1	<0.05	9.0	11.81	18.1	<0.02	<1	0.3	17.4	<10	3
92-PMA-0115	Till Pulp	0.3	0.04	5.3	0.35	<0.1	0.30	0.22	3.0	1.1	<0.05	9.7	10.72	23.4	0.03	<1	0.2	10.2	<10	4
93-PMA-0195-1	Till Pulp	0.1	0.03	2.2	0.25	<0.1	<0.02	0.14	2.3	0.9	<0.05	0.5	6.75	22.2	0.02	<1	<0.1	4.0	<10	<2
93-PMA-0210-5	Till Pulp	0.3	0.04	1.9	0.26	<0.1	0.10	0.14	2.2	0.5	<0.05	5.0	6.07	29.9	<0.02	<1	<0.1	4.8	<10	<2
93-PMA-0520-1	Till Pulp	0.3	0.02	3.7	0.69	<0.1	0.03	0.08	4.3	1.2	<0.05	2.3	11.65	30.1	0.03	1	0.6	9.8	<10	2
93-PMA-0523-1	Till Pulp	1.0	0.03	3.7	0.64	<0.1	<0.02	0.10	4.5	0.6	<0.05	1.5	10.47	28.4	0.03	1	0.3	9.3	<10	2
93-PMA-0530-2	Till Pulp	<0.1	<0.02	2.3	0.32	<0.1	0.08	0.20	2.6	0.9	<0.05	4.2	7.40	19.7	<0.02	<1	0.1	4.3	<10	<2
93-PMA-0562	Till Pulp	0.4	<0.02	2.6	1.17	<0.1	0.08	0.09	5.1	0.4	<0.05	4.8	8.43	23.4	<0.02	<1	0.2	6.0	<10	<2
93-PMA-0564	Till Pulp	<0.1	0.02	2.9	0.57	<0.1	0.12	0.07	3.7	0.4	<0.05	4.5	7.03	23.9	<0.02	<1	0.2	8.0	<10	3
93-PMA-0564-b	Rock Pulp	0.1	<0.02	3.3	1.30	<0.1	0.19	0.32	8.0	2.5	<0.05	6.3	6.54	49.3	0.04	<1	<0.1	9.8	41	32
97-PMA-0503-1	Till Pulp	0.3	0.04	3.6	0.58	<0.1	0.14	0.08	5.1	0.3	<0.05	5.1	9.34	29.9	0.03	<1	0.2	9.8	<10	<2
97-PMA-0508-1	Till Pulp	0.4	0.05	3.1	0.37	<0.1	0.15	0.05	4.2	0.2	<0.05	4.9	7.04	20.1	<0.02	<1	0.3	8.4	<10	<2

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_3
Report Date: February 13, 2023

CERTIFICATE OF ANALYSIS VAN22003531.1

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y
	Unit	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3
98-PMA-0600-1	Till Pulp	62.99	12.64	5.85	2.91	3.97	2.41	1.52	0.78	0.19	0.12	0.024	60	823	95	119	21	267	135	44	20
98-PMA-0601-1	Till Pulp	57.35	10.10	7.27	10.15	2.02	1.71	1.36	0.65	0.17	0.09	0.108	51	793	129	609	35	165	109	31	17
98-PMA-0602-1	Till Pulp	61.93	12.08	6.08	4.46	3.53	2.22	1.43	0.75	0.19	0.12	0.045	50	868	110	239	31	248	139	<30	19
98-PMA-0603-1	Till Pulp	64.78	11.40	5.81	4.31	2.87	2.38	1.44	0.75	0.20	0.11	0.043	53	839	147	240	26	249	132	34	19
98-PMA-0603-2	Till Pulp	62.95	11.95	6.83	4.91	1.85	2.20	1.56	0.78	0.20	0.11	0.053	68	930	164	303	27	218	136	36	22
98-PMA-0603-3	Till Pulp	64.02	11.99	6.67	4.53	1.87	2.26	1.50	0.80	0.20	0.11	0.044	66	904	159	296	30	224	138	<30	22
98-PMA-0603-4	Till Pulp	63.31	12.08	7.14	4.40	1.74	2.17	1.46	0.77	0.18	0.10	0.049	80	918	184	333	24	212	138	60	22
98-PMA-0604-1	Till Pulp	63.09	11.98	5.80	3.16	4.41	2.43	1.45	0.79	0.20	0.10	0.024	57	847	136	122	22	275	130	39	20
98-PMA-0607-1	Till Pulp	61.66	12.19	6.15	3.29	4.60	2.22	1.46	0.84	0.20	0.11	0.030	59	887	125	128	24	272	170	46	20
98-PMA-0608-1	Till Pulp	60.73	12.62	6.33	2.96	4.50	2.26	1.57	0.76	0.21	0.12	0.025	70	829	156	106	22	284	130	35	20
98-PMA-0609-1	Till Pulp	55.65	13.24	7.12	3.45	5.45	1.63	2.08	1.12	0.22	0.11	0.030	80	1793	115	146	25	217	181	44	23
98-PMA-0609-7	Till Pulp	58.02	12.67	6.92	3.15	5.09	1.77	1.86	1.06	0.21	0.11	0.029	78	1646	109	138	23	218	173	41	23
98-PMA-0609-8	Till Pulp	60.55	12.82	6.78	3.27	3.53	1.95	1.86	1.01	0.20	0.12	0.028	77	1601	112	125	24	227	174	37	22
98-PMA-0610-1	Till Pulp	57.11	11.81	7.03	5.01	5.37	1.90	1.38	1.08	0.21	0.12	0.037	69	1040	96	207	29	262	160	34	22
98-PMA-0611-1	Till Pulp	54.67	9.36	7.65	13.22	1.34	1.39	1.23	0.71	0.15	0.17	0.106	39	714	84	945	81	129	115	<30	16
98-PMA-0612-1	Till Pulp	54.00	8.18	7.26	15.61	1.21	1.17	1.05	0.60	0.12	0.16	0.128	37	635	79	1029	79	111	91	<30	13
98-PMA-0613-1	Till Pulp	54.61	10.42	6.26	8.68	5.39	1.63	1.36	0.67	0.16	0.11	0.072	44	902	122	485	43	236	117	36	16
98-PMA-0613-2	Till Pulp	55.06	10.30	6.32	8.69	5.00	1.64	1.33	0.67	0.16	0.11	0.070	51	914	119	500	40	228	123	41	17
98-PMA-0613-3	Till Pulp	56.24	10.77	6.43	8.42	3.85	1.73	1.40	0.70	0.18	0.09	0.080	44	950	113	514	35	216	129	36	19
98-PMA-0633-1	Till Pulp	62.09	14.69	6.50	2.58	2.85	2.86	1.81	0.73	0.26	0.10	0.023	121	1095	93	71	23	361	179	56	21
98-PMA-0633-2	Till Pulp	63.29	14.24	6.27	2.37	2.61	2.80	1.76	0.71	0.22	0.11	0.021	111	1059	86	86	20	350	172	59	20
98-PMA-0633-3	Till Pulp	64.52	13.76	5.86	2.41	2.62	2.85	1.66	0.71	0.22	0.11	0.022	97	989	70	69	<20	343	163	50	18
98-PMA-0633-3-b	Rock Pulp	71.56	12.08	4.08	1.72	3.23	3.45	1.46	0.38	0.13	0.07	0.013	155	467	219	88	52	398	160	60	11
99-PMA-0703-5	Till Pulp	74.81	7.76	4.53	3.20	3.37	1.94	0.93	0.57	0.14	0.07	0.028	29	499	40	50	<20	179	121	<30	14
99-PMA-0707-5	Till Pulp	74.73	10.06	3.73	1.56	1.99	2.53	1.25	0.66	0.16	0.06	0.017	22	633	47	34	<20	256	147	<30	16
99-PMA-0707-6	Till Pulp	74.71	10.06	4.14	1.57	1.98	2.60	1.23	0.67	0.19	0.07	0.017	31	651	45	36	<20	259	158	40	19
99-PMA-0707-7	Till Pulp	74.35	10.18	4.35	1.60	2.04	2.57	1.29	0.67	0.20	0.08	0.018	32	682	48	43	<20	264	150	<30	22
99-PMA-0707-8	Till Pulp	73.90	9.82	4.50	1.53	2.28	2.53	1.21	0.65	0.21	0.07	0.018	35	655	49	46	<20	272	155	39	20
99-PMA-0707-9	Till Pulp	72.81	10.22	4.73	1.65	2.17	2.46	1.23	0.65	0.22	0.09	0.017	42	686	59	55	<20	261	135	39	20
99-PMA-0707-10	Till Pulp	75.32	9.52	4.16	1.56	2.18	2.54	1.16	0.63	0.22	0.07	0.016	29	615	50	46	<20	258	130	<30	19

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Project: CICGR22_TILL_RE_3
Report Date: February 13, 2023

CERTIFICATE OF ANALYSIS VAN22003531.1

	Method	LF300	LF300	LF300	LF300	TC000	TC000	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Nb	Sc	LOI	Sum	TOT/C	TOT/S	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
	Unit	ppm	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm
	MDL	5	1	-5.1	0.01	0.02	0.02	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5
98-PMA-0600-1	Till Pulp	18	15	6.4	99.93	0.72	<0.02	1.09	47.41	7.91	86.3	39	112.0	21.1	837	3.35	7.9	0.5	2.0	2.1	78.3
98-PMA-0601-1	Till Pulp	19	15	8.6	99.79	1.00	0.03	2.22	47.78	6.14	118.0	150	616.1	33.9	632	4.25	8.9	0.5	2.7	1.6	44.4
98-PMA-0602-1	Till Pulp	17	16	6.9	99.90	0.76	<0.02	1.51	45.76	7.08	102.5	78	236.5	26.6	831	3.47	9.8	0.4	1.8	2.0	69.1
98-PMA-0603-1	Till Pulp	13	15	5.6	99.91	0.61	0.02	1.76	50.15	7.01	143.7	79	236.3	25.6	725	3.38	9.8	0.5	2.9	2.0	61.2
98-PMA-0603-2	Till Pulp	15	17	6.3	99.88	0.48	0.02	1.94	61.63	8.73	155.3	124	296.7	27.4	786	3.97	11.8	0.5	2.8	2.2	44.5
98-PMA-0603-3	Till Pulp	18	17	5.7	99.90	0.42	<0.02	1.77	61.07	7.87	155.4	78	289.4	26.2	751	3.88	11.2	0.6	3.7	2.3	44.2
98-PMA-0603-4	Till Pulp	20	18	6.3	99.90	0.46	<0.02	2.03	74.37	8.67	175.2	160	327.2	27.2	690	4.14	12.8	0.7	1.8	2.3	40.6
98-PMA-0604-1	Till Pulp	13	15	6.3	99.92	0.86	<0.02	2.35	50.67	7.78	131.2	60	110.0	20.2	704	3.28	9.5	0.5	1.9	2.1	80.6
98-PMA-0607-1	Till Pulp	11	16	7.0	99.92	0.93	<0.02	1.54	53.50	7.48	117.7	100	116.1	20.4	703	3.36	10.5	0.5	2.1	2.1	79.1
98-PMA-0608-1	Till Pulp	17	17	7.6	99.92	1.19	0.03	2.12	63.50	9.05	151.7	70	101.5	22.6	809	3.76	12.1	0.5	3.5	2.0	96.9
98-PMA-0609-1	Till Pulp	24	18	9.5	99.91	1.45	<0.02	3.21	77.94	8.04	96.5	135	132.7	26.2	761	3.85	10.1	0.5	2.3	3.0	85.2
98-PMA-0609-7	Till Pulp	24	17	8.7	99.91	1.28	<0.02	2.80	74.81	8.51	96.4	147	119.7	23.5	751	3.82	10.8	0.5	15.1	2.8	73.8
98-PMA-0609-8	Till Pulp	22	17	7.5	99.91	0.80	0.02	2.68	70.40	9.18	98.7	135	115.2	24.8	865	3.69	10.6	0.5	2.1	2.8	73.3
98-PMA-0610-1	Till Pulp	15	16	8.6	99.91	1.10	<0.02	1.27	68.88	6.81	91.9	112	189.8	29.1	836	3.97	7.7	0.4	2.0	2.3	124.2
98-PMA-0611-1	Till Pulp	9	15	9.5	99.76	0.40	0.02	0.69	38.57	5.89	71.9	105	967.3	76.1	1270	4.49	5.9	0.3	1.0	1.8	21.3
98-PMA-0612-1	Till Pulp	17	13	10.0	99.72	0.39	<0.02	0.58	36.17	5.09	66.5	93	1059.5	80.6	1218	4.35	4.6	0.3	1.0	1.6	17.4
98-PMA-0613-1	Till Pulp	11	14	10.2	99.83	1.42	0.03	1.71	40.42	5.75	108.0	109	469.4	38.4	751	3.42	6.9	0.5	0.9	1.7	102.1
98-PMA-0613-2	Till Pulp	13	14	10.3	99.85	1.38	0.03	1.63	41.53	6.11	109.4	116	499.6	39.9	770	3.64	7.4	0.7	1.1	1.9	102.6
98-PMA-0613-3	Till Pulp	10	15	9.6	99.77	1.26	0.03	1.45	43.27	5.31	101.9	133	497.5	29.0	612	3.52	6.7	0.9	1.8	1.6	81.8
98-PMA-0633-1	Till Pulp	11	17	5.2	99.87	0.16	<0.02	4.69	117.96	9.38	81.3	181	68.9	17.8	614	3.50	25.9	1.0	2.7	7.4	43.5
98-PMA-0633-2	Till Pulp	11	16	5.3	99.90	0.18	<0.02	4.57	111.19	9.74	76.4	67	69.5	17.9	685	3.47	24.2	1.3	8.2	7.0	40.4
98-PMA-0633-3	Till Pulp	14	17	5.0	99.94	0.23	<0.02	3.57	95.71	8.52	62.8	31	62.9	16.6	727	3.23	21.4	1.3	4.6	6.4	37.0
98-PMA-0633-3-b	Rock Pulp	19	9	1.6	99.96	0.07	0.05	12.48	161.18	273.34	214.7	114	84.2	52.6	283	1.67	9.5	0.4	34.8	3.3	33.3
99-PMA-0703-5	Till Pulp	7	19	2.5	99.93	0.15	<0.02	0.99	26.56	7.08	31.6	14	33.3	8.5	304	2.18	4.4	0.5	2.2	2.1	23.4
99-PMA-0707-5	Till Pulp	11	11	3.1	99.96	0.32	<0.02	0.52	18.58	3.38	40.7	12	31.1	8.2	285	1.89	4.1	0.3	1.1	1.4	25.4
99-PMA-0707-6	Till Pulp	11	12	2.6	99.96	0.20	<0.02	0.73	27.55	3.83	40.2	11	33.7	9.2	401	2.22	6.1	0.4	2.1	1.8	30.5
99-PMA-0707-7	Till Pulp	12	13	2.5	99.96	0.15	<0.02	0.70	29.52	3.88	42.1	10	36.0	9.3	428	2.31	6.5	0.5	4.3	1.9	30.5
99-PMA-0707-8	Till Pulp	7	13	3.1	99.96	0.16	<0.02	0.85	31.99	3.84	43.5	35	43.7	8.8	392	2.40	7.2	0.5	3.7	1.9	34.4
99-PMA-0707-9	Till Pulp	14	13	3.6	99.97	I.S.	I.S.	1.20	38.79	4.71	54.1	41	52.7	11.4	526	2.61	8.6	0.5	2.9	2.2	36.1
99-PMA-0707-10	Till Pulp	6	12	2.5	99.97	0.12	<0.02	0.88	29.07	3.83	45.7	31	41.1	9.0	420	2.28	6.8	0.4	2.4	2.0	33.6

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BUREAU VERITAS MINERAL LABORATORIES Canada

www.bvna.com/mining-laboratory-services

Bureau Veritas Commodities Canada Ltd.

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_3
Report Date: February 13, 2023

CERTIFICATE OF ANALYSIS VAN22003531.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg
	Unit	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb
	MDL	0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5
98-PMA-0600-1	Till Pulp	0.46	0.34	0.10	72	2.08	0.082	11.4	71.5	1.34	158.8	0.098	<20	1.74	0.026	0.10	<0.1	7.5	0.17	<0.02	108
98-PMA-0601-1	Till Pulp	0.65	0.42	0.09	76	0.91	0.077	9.3	229.0	5.36	192.4	0.063	<20	1.58	0.022	0.11	<0.1	9.0	0.42	<0.02	203
98-PMA-0602-1	Till Pulp	0.53	0.45	0.10	72	1.74	0.080	10.6	111.1	2.26	191.5	0.082	<20	1.67	0.024	0.11	<0.1	7.9	0.22	<0.02	174
98-PMA-0603-1	Till Pulp	0.98	0.63	0.10	79	1.25	0.085	11.6	105.7	2.18	168.3	0.090	<20	1.53	0.022	0.09	<0.1	7.3	0.32	<0.02	1510
98-PMA-0603-2	Till Pulp	0.82	0.73	0.11	94	0.63	0.088	12.2	141.6	2.48	194.5	0.089	<20	1.79	0.021	0.10	<0.1	10.1	0.32	<0.02	563
98-PMA-0603-3	Till Pulp	0.85	0.69	0.11	88	0.61	0.087	12.8	126.7	2.27	190.1	0.094	<20	1.74	0.022	0.10	<0.1	9.3	0.28	<0.02	685
98-PMA-0603-4	Till Pulp	0.90	0.81	0.12	95	0.56	0.077	12.1	143.9	2.15	199.9	0.091	<20	1.87	0.019	0.10	<0.1	11.0	0.39	<0.02	555
98-PMA-0604-1	Till Pulp	1.07	0.65	0.09	76	2.27	0.089	11.3	75.9	1.46	177.9	0.096	<20	1.55	0.025	0.08	<0.1	7.0	0.27	<0.02	363
98-PMA-0607-1	Till Pulp	0.67	0.58	0.10	78	2.25	0.082	11.1	88.4	1.45	184.2	0.102	<20	1.68	0.025	0.10	<0.1	7.5	0.23	<0.02	589
98-PMA-0608-1	Till Pulp	1.04	0.76	0.11	99	2.48	0.088	11.3	83.3	1.36	149.6	0.102	<20	1.89	0.027	0.10	<0.1	8.7	0.35	<0.02	212
98-PMA-0609-1	Till Pulp	0.50	0.26	0.16	66	3.27	0.087	13.3	82.9	1.33	475.9	0.053	<20	1.57	0.018	0.16	<0.1	8.9	0.17	<0.02	432
98-PMA-0609-7	Till Pulp	0.46	0.25	0.17	66	3.03	0.086	12.7	79.6	1.23	425.3	0.057	<20	1.57	0.018	0.14	<0.1	9.3	0.17	<0.02	418
98-PMA-0609-8	Till Pulp	0.45	0.28	0.15	65	1.83	0.084	12.9	79.1	1.33	460.7	0.072	<20	1.62	0.019	0.15	<0.1	7.8	0.19	<0.02	424
98-PMA-0610-1	Till Pulp	0.37	0.24	0.11	77	3.02	0.089	12.6	146.9	2.51	292.6	0.208	<20	2.02	0.024	0.11	<0.1	7.7	0.13	<0.02	208
98-PMA-0611-1	Till Pulp	0.20	0.16	0.08	57	0.43	0.067	9.1	256.3	7.20	156.6	0.078	<20	1.53	0.019	0.11	<0.1	7.8	0.13	<0.02	232
98-PMA-0612-1	Till Pulp	0.21	0.16	0.08	51	0.38	0.054	7.9	315.7	8.72	122.6	0.076	<20	1.38	0.017	0.09	<0.1	7.4	0.11	<0.02	288
98-PMA-0613-1	Till Pulp	0.86	0.39	0.09	60	2.97	0.064	8.6	161.6	4.41	280.7	0.067	<20	1.49	0.023	0.11	<0.1	6.8	0.20	<0.02	216
98-PMA-0613-2	Till Pulp	0.84	0.38	0.10	64	2.82	0.069	9.4	170.4	4.58	309.5	0.073	<20	1.60	0.025	0.12	<0.1	7.2	0.26	<0.02	217
98-PMA-0613-3	Till Pulp	0.85	0.32	0.09	63	1.98	0.071	9.0	175.7	4.36	284.9	0.067	<20	1.58	0.022	0.11	<0.1	7.2	0.28	<0.02	220
98-PMA-0633-1	Till Pulp	0.32	1.02	0.74	83	0.77	0.104	21.9	68.3	0.97	332.2	0.105	<20	2.01	0.047	0.17	1.6	9.5	0.19	<0.02	238
98-PMA-0633-2	Till Pulp	0.26	1.06	0.67	81	0.70	0.099	21.9	66.4	0.90	296.7	0.103	<20	1.96	0.036	0.15	1.2	9.4	0.19	<0.02	251
98-PMA-0633-3	Till Pulp	0.21	0.94	0.53	78	0.67	0.095	20.5	64.2	0.90	274.7	0.105	<20	1.90	0.034	0.13	1.1	8.2	0.17	<0.02	219
98-PMA-0633-3-b	Rock Pulp	0.49	0.15	0.14	25	0.61	0.059	25.4	33.5	0.50	60.9	0.076	<20	0.83	0.089	0.12	<0.1	3.1	0.08	0.04	19
99-PMA-0703-5	Till Pulp	0.08	0.46	0.12	48	0.26	0.064	8.6	82.3	0.46	99.9	0.066	<20	0.82	0.009	0.04	0.1	3.9	0.05	<0.02	542
99-PMA-0707-5	Till Pulp	0.09	0.25	0.05	45	0.30	0.072	9.6	42.5	0.48	95.2	0.064	<20	0.96	0.008	0.04	<0.1	2.9	0.06	<0.02	126
99-PMA-0707-6	Till Pulp	0.09	0.42	0.05	49	0.36	0.089	12.9	46.5	0.51	103.6	0.071	<20	0.89	0.009	0.04	<0.1	4.2	0.07	<0.02	182
99-PMA-0707-7	Till Pulp	0.10	0.42	0.06	51	0.38	0.090	13.0	48.0	0.52	113.9	0.069	<20	0.88	0.008	0.04	<0.1	5.2	0.08	<0.02	198
99-PMA-0707-8	Till Pulp	0.10	0.50	0.06	53	0.44	0.100	11.7	55.1	0.48	132.7	0.070	<20	0.83	0.012	0.04	<0.1	5.3	0.07	<0.02	198
99-PMA-0707-9	Till Pulp	0.16	0.53	0.07	55	0.48	0.102	11.4	53.5	0.57	150.3	0.069	<20	0.99	0.013	0.05	<0.1	5.5	0.08	<0.02	308
99-PMA-0707-10	Till Pulp	0.13	0.53	0.06	48	0.46	0.101	10.9	45.1	0.51	112.3	0.071	<20	0.77	0.013	0.04	<0.1	4.1	0.06	<0.02	153

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Project: CICGR22_TILL_RE_3
Report Date: February 13, 2023

CERTIFICATE OF ANALYSIS VAN22003531.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
98-PMA-0600-1	Till Pulp	0.2	0.04	5.0	1.03	<0.1	0.21	0.06	5.8	1.7	<0.05	8.4	11.12	23.1	0.03	<1	0.5	13.1	<10	2
98-PMA-0601-1	Till Pulp	0.5	0.05	4.3	0.82	<0.1	0.11	0.07	5.0	1.0	<0.05	4.5	10.29	17.8	0.03	2	0.4	13.1	<10	3
98-PMA-0602-1	Till Pulp	0.3	0.03	4.8	0.90	<0.1	0.14	0.05	6.0	1.1	<0.05	6.1	10.49	21.9	0.03	<1	0.5	13.1	<10	2
98-PMA-0603-1	Till Pulp	0.4	0.03	4.6	1.03	<0.1	0.15	0.06	4.8	1.6	<0.05	6.4	10.88	23.4	0.03	<1	0.4	12.3	<10	2
98-PMA-0603-2	Till Pulp	0.4	0.05	5.5	1.11	<0.1	0.12	0.08	5.4	0.9	<0.05	5.7	13.51	24.0	0.03	<1	0.5	15.0	<10	2
98-PMA-0603-3	Till Pulp	0.4	0.04	5.1	1.12	<0.1	0.17	0.07	5.3	0.8	<0.05	7.4	12.76	24.5	0.03	<1	0.5	13.8	<10	2
98-PMA-0603-4	Till Pulp	0.4	0.05	5.5	1.19	<0.1	0.14	0.12	5.7	1.4	<0.05	6.7	13.20	23.8	0.04	<1	0.6	14.1	<10	3
98-PMA-0604-1	Till Pulp	0.4	0.05	4.6	1.20	<0.1	0.19	0.06	4.9	0.9	<0.05	7.7	11.03	23.4	0.03	<1	0.4	13.1	<10	2
98-PMA-0607-1	Till Pulp	0.3	0.04	5.0	1.07	<0.1	0.11	0.15	5.8	1.8	<0.05	5.5	10.63	22.2	0.03	1	0.4	12.3	<10	3
98-PMA-0608-1	Till Pulp	0.4	0.04	5.8	1.25	<0.1	0.14	0.17	5.6	1.3	<0.05	6.5	12.11	22.7	0.03	<1	0.5	14.9	<10	3
98-PMA-0609-1	Till Pulp	0.5	0.06	4.6	0.91	<0.1	0.16	0.04	8.0	1.4	<0.05	6.9	12.01	27.2	0.04	1	0.5	11.4	<10	3
98-PMA-0609-7	Till Pulp	0.4	0.06	4.5	0.90	<0.1	0.13	0.05	7.0	1.5	<0.05	6.2	11.97	26.8	0.04	<1	0.4	11.1	<10	2
98-PMA-0609-8	Till Pulp	0.3	0.06	4.8	1.13	<0.1	0.18	0.04	7.4	1.7	<0.05	7.5	11.03	27.5	0.04	1	0.5	12.5	<10	<2
98-PMA-0610-1	Till Pulp	0.2	0.04	6.1	0.86	<0.1	0.19	0.08	6.2	0.9	<0.05	8.8	11.08	26.2	0.03	1	0.4	12.4	<10	3
98-PMA-0611-1	Till Pulp	0.2	0.03	4.0	1.10	<0.1	0.13	0.02	5.5	0.5	<0.05	5.0	8.37	19.4	0.02	1	0.3	9.8	<10	4
98-PMA-0612-1	Till Pulp	0.2	0.03	3.6	0.82	<0.1	0.12	<0.02	4.6	0.5	<0.05	5.0	7.16	17.2	0.02	1	0.3	9.4	<10	4
98-PMA-0613-1	Till Pulp	3.2	0.04	4.0	0.94	<0.1	0.13	0.03	5.6	0.6	<0.05	5.5	8.69	17.5	0.03	11	0.4	12.6	<10	2
98-PMA-0613-2	Till Pulp	1.0	0.04	4.3	1.05	<0.1	0.12	0.05	6.2	0.9	<0.05	5.2	9.34	19.0	0.03	12	0.4	13.1	<10	<2
98-PMA-0613-3	Till Pulp	0.5	0.02	4.2	0.87	<0.1	0.08	0.12	5.8	0.7	<0.05	3.5	10.54	17.4	0.03	7	0.4	12.6	<10	3
98-PMA-0633-1	Till Pulp	0.2	0.07	5.6	2.16	<0.1	0.13	0.09	10.9	0.5	<0.05	6.0	11.34	36.4	0.03	<1	0.5	14.7	<10	<2
98-PMA-0633-2	Till Pulp	0.3	0.07	5.4	1.84	<0.1	0.12	0.16	9.6	0.9	<0.05	5.9	10.85	37.7	0.03	<1	0.5	12.9	<10	3
98-PMA-0633-3	Till Pulp	0.2	0.06	5.0	1.62	<0.1	0.09	0.19	7.9	0.4	<0.05	4.4	9.45	37.2	0.03	<1	0.5	12.0	<10	<2
98-PMA-0633-3-b	Rock Pulp	0.1	<0.02	2.7	1.14	<0.1	0.18	0.22	7.2	2.1	<0.05	6.3	5.72	43.8	0.04	<1	0.2	9.4	50	27
99-PMA-0703-5	Till Pulp	0.2	0.03	2.2	0.38	<0.1	0.04	0.16	3.7	0.3	<0.05	2.0	3.71	21.1	<0.02	<1	0.3	5.4	<10	2
99-PMA-0707-5	Till Pulp	0.1	<0.02	2.8	0.42	<0.1	<0.02	0.39	6.0	0.6	<0.05	0.8	4.47	20.4	<0.02	<1	0.2	7.2	<10	2
99-PMA-0707-6	Till Pulp	0.1	0.02	2.6	0.37	<0.1	0.02	0.26	3.5	17.4	<0.05	1.2	7.17	23.9	<0.02	<1	0.3	6.4	<10	2
99-PMA-0707-7	Till Pulp	<0.1	0.02	2.6	0.37	<0.1	0.03	0.18	3.2	1.2	<0.05	1.4	10.20	23.2	<0.02	<1	0.3	6.5	<10	<2
99-PMA-0707-8	Till Pulp	0.1	<0.02	2.5	0.38	<0.1	0.04	0.16	2.8	0.3	<0.05	2.1	9.39	22.1	<0.02	<1	0.3	5.8	<10	2
99-PMA-0707-9	Till Pulp	0.2	0.03	2.9	0.47	<0.1	0.06	0.10	3.2	0.8	<0.05	3.0	8.55	23.3	<0.02	<1	0.3	6.8	<10	3
99-PMA-0707-10	Till Pulp	0.1	0.02	2.3	0.34	<0.1	0.09	0.11	2.5	4.5	<0.05	3.9	7.32	21.6	<0.02	<1	0.3	5.7	<10	2

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Project: CICGR22_TILL_RE_3
Report Date: February 13, 2023

CERTIFICATE OF ANALYSIS VAN22003531.1

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y
	Unit	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3
99-PMA-0707-11	Till Pulp	73.04	10.03	5.01	1.73	2.24	2.47	1.23	0.69	0.23	0.10	0.020	50	670	63	65	<20	259	169	37	23
99-PMA-0708-5	Till Pulp	66.72	10.64	5.97	4.38	1.83	1.80	1.25	0.76	0.20	0.09	0.051	44	1035	90	321	30	137	176	48	20
99-PMA-0708-6	Till Pulp	66.51	10.78	6.26	4.27	1.86	1.71	1.37	0.77	0.23	0.10	0.051	68	1331	101	327	31	135	196	46	20
99-PMA-0708-7	Till Pulp	65.30	11.09	6.84	4.20	1.95	1.73	1.36	0.82	0.24	0.12	0.052	84	1145	96	349	36	139	175	57	21
99-PMA-0708-8	Till Pulp	64.89	11.30	7.01	4.38	1.92	1.71	1.47	0.78	0.26	0.14	0.045	79	1335	97	331	32	141	180	70	23
99-PMA-0709-6	Till Pulp	68.18	13.53	3.96	1.68	2.53	3.00	0.94	0.66	0.14	0.06	0.011	34	755	57	49	<20	262	217	<30	16
99-PMA-0709-7	Till Pulp	69.60	13.04	3.81	1.80	2.55	2.99	0.98	0.65	0.19	0.07	0.011	35	796	48	43	<20	257	183	<30	16
99-PMA-0709-8	Till Pulp	71.90	12.52	3.19	1.53	2.75	3.28	0.89	0.66	0.13	0.06	0.011	42	736	39	35	<20	283	204	38	17
99-PMA-0709-9	Till Pulp	70.48	12.86	3.58	1.71	2.90	3.23	0.95	0.68	0.20	0.08	0.011	27	755	44	39	<20	287	201	40	19
99-PMA-0709-10	Till Pulp	71.01	12.55	3.29	1.58	2.92	3.31	0.97	0.66	0.21	0.07	0.010	28	762	43	36	<20	287	201	39	22
99-PMA-0709-11	Till Pulp	72.26	12.19	3.12	1.49	3.03	3.31	0.89	0.63	0.24	0.07	0.010	25	714	39	26	<20	289	228	34	23
99-PMA-0710-7	Till Pulp	64.78	13.55	5.06	2.38	2.88	3.09	1.37	0.73	0.16	0.11	0.021	42	864	57	49	<20	359	184	57	15
99-PMA-0710-8-b	Rock Pulp	71.92	12.11	3.68	1.64	3.38	3.49	1.45	0.37	0.12	0.06	0.007	26	457	31	28	<20	396	155	31	11
99-PMA-0710-8	Till Pulp	65.68	13.12	4.67	2.15	2.92	3.11	1.33	0.69	0.17	0.08	0.021	37	831	50	42	<20	366	179	44	14
99-PMA-0710-9	Till Pulp	66.61	13.10	4.52	2.20	2.90	3.14	1.39	0.70	0.17	0.07	0.022	37	865	46	43	<20	373	191	49	14
99-PMA-0710-10	Till Pulp	65.06	13.73	5.63	2.40	2.64	2.85	1.63	0.70	0.23	0.11	0.022	90	973	70	72	<20	343	174	60	18
99-PMA-0710-11	Till Pulp	62.84	14.12	6.19	2.46	2.51	2.78	1.74	0.70	0.23	0.12	0.024	114	1036	86	79	<20	335	160	49	19
99-PMA-0710-12	Till Pulp	63.62	14.26	6.09	2.70	2.92	2.90	1.79	0.70	0.24	0.12	0.021	112	1097	84	73	20	360	159	46	19
99-PMA-0711-12	Till Pulp	60.04	14.20	6.71	3.59	2.88	1.95	1.84	0.85	0.19	0.12	0.023	63	1210	113	128	21	225	148	41	23
99-PMA-0713-5	Till Pulp	66.84	13.27	5.06	1.93	0.93	2.10	1.55	0.96	0.13	0.10	0.024	33	827	136	104	<20	177	130	45	17
99-PMA-0713-6	Till Pulp	61.72	14.22	5.78	2.08	0.87	1.82	1.63	0.91	0.12	0.12	0.026	55	863	144	129	<20	165	124	<30	22
99-PMA-0713-7	Till Pulp	59.57	15.89	6.82	2.45	0.78	1.63	1.77	0.86	0.10	0.11	0.024	54	898	130	117	<20	155	127	<30	19
99-PMA-0713-8	Till Pulp	62.21	14.86	6.31	2.45	0.82	1.79	1.69	0.89	0.10	0.09	0.038	51	832	122	147	<20	158	126	36	19
99-PMA-0713-9	Till Pulp	60.87	15.54	6.83	2.60	0.85	1.80	1.69	0.88	0.09	0.10	0.034	59	892	129	133	20	168	130	33	21
99-PMA-0713-10	Till Pulp	62.36	14.16	6.70	3.29	1.13	2.10	1.53	0.83	0.11	0.08	0.048	49	884	113	182	<20	196	121	<30	22
99-PMA-0713-11	Till Pulp	62.10	14.31	6.77	3.07	1.13	2.03	1.55	0.80	0.13	0.08	0.032	59	892	111	190	<20	187	119	36	24
99-PMA-0714-4	Till Pulp	59.28	13.11	6.29	3.64	4.46	2.05	1.65	0.84	0.20	0.11	0.030	52	1039	105	153	21	253	159	46	22
99-PMA-0715-4	Till Pulp	62.06	11.53	5.13	2.81	6.58	2.36	1.60	0.67	0.19	0.09	0.014	62	939	83	54	<20	283	120	<30	19
99-PMA-0716-6	Till Pulp	62.84	12.82	5.65	2.59	3.62	2.30	1.58	0.78	0.19	0.11	0.018	52	2449	91	76	<20	231	125	31	22
99-PMA-0717-5	Till Pulp	64.73	11.65	5.19	2.16	4.48	2.23	1.42	0.71	0.18	0.15	0.020	54	945	80	102	22	223	127	33	21

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BUREAU VERITAS MINERAL LABORATORIES Canada

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_3
Report Date: February 13, 2023

CERTIFICATE OF ANALYSIS VAN22003531.1

	Method	LF300	LF300	LF300	LF300	TC000	TC000	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Nb	Sc	LOI	Sum	TOT/C	TOT/S	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
	Unit	ppm	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm
	MDL	5	1	-5.1	0.01	0.02	0.02	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5
99-PMA-0707-11	Till Pulp	7	15	3.0	99.95	0.15	<0.02	0.93	53.10	5.27	58.0	27	55.4	13.4	631	2.81	9.4	0.5	2.8	2.4	35.2
99-PMA-0708-5	Till Pulp	14	11	6.0	99.91	0.86	<0.02	2.21	44.93	7.43	76.0	146	278.4	27.1	423	3.17	10.5	0.8	7.8	3.7	11.1
99-PMA-0708-6	Till Pulp	12	13	5.7	99.91	0.85	0.02	2.78	65.92	9.15	87.6	191	284.0	28.0	490	3.33	11.3	0.8	3.0	4.2	12.3
99-PMA-0708-7	Till Pulp	16	13	6.0	99.91	0.85	<0.02	3.23	78.88	10.39	82.2	148	308.2	30.2	654	3.68	14.6	1.0	3.7	5.0	12.7
99-PMA-0708-8	Till Pulp	16	13	5.7	99.90	0.70	<0.02	3.02	77.56	11.62	80.6	119	285.5	28.0	796	3.80	16.3	1.1	3.3	5.2	15.0
99-PMA-0709-6	Till Pulp	8	11	5.1	99.97	0.64	<0.02	0.74	33.02	3.08	48.3	76	39.1	9.6	280	2.11	2.9	0.4	1.0	1.9	13.4
99-PMA-0709-7	Till Pulp	9	11	4.1	99.93	0.38	<0.02	0.70	29.11	2.72	35.6	36	30.4	8.0	369	1.95	3.1	0.4	1.8	2.0	15.0
99-PMA-0709-8	Till Pulp	7	10	2.9	99.94	0.25	<0.02	0.48	20.65	2.07	27.3	28	20.0	5.6	211	1.42	2.1	0.4	0.5	1.8	13.5
99-PMA-0709-9	Till Pulp	8	11	3.1	99.92	0.36	<0.02	0.54	24.53	2.46	33.1	15	21.8	7.3	412	1.74	2.7	0.5	1.2	2.2	17.5
99-PMA-0709-10	Till Pulp	10	12	3.2	99.94	0.23	<0.02	0.53	25.02	2.63	31.6	47	22.1	7.1	350	1.58	2.4	0.6	2.2	2.3	17.6
99-PMA-0709-11	Till Pulp	8	12	2.6	99.94	0.24	<0.02	0.58	23.15	2.56	29.2	64	19.7	6.6	369	1.46	2.2	0.6	1.2	2.1	18.2
99-PMA-0710-7	Till Pulp	12	15	5.6	99.90	0.93	<0.02	2.29	36.10	5.42	42.8	71	35.8	12.5	587	2.42	13.6	0.7	1.4	2.2	26.6
99-PMA-0710-8-b	Rock Pulp	<5	9	1.6	99.94	0.07	<0.02	0.60	21.31	1.79	18.9	19	14.3	5.0	241	1.33	0.5	0.4	0.6	2.6	25.5
99-PMA-0710-8	Till Pulp	10	14	5.8	99.91	I.S.	I.S.	1.78	31.39	4.13	36.6	63	29.7	9.7	414	2.13	11.2	0.7	5.7	1.8	24.5
99-PMA-0710-9	Till Pulp	11	14	4.9	99.93	0.77	<0.02	1.54	31.04	4.41	33.6	59	29.9	8.5	321	2.04	10.5	0.7	2.4	2.0	25.4
99-PMA-0710-10	Till Pulp	12	16	4.7	99.91	0.28	<0.02	3.77	82.54	8.33	58.6	30	53.0	13.6	627	2.98	20.2	1.3	7.0	6.2	36.1
99-PMA-0710-11	Till Pulp	14	17	6.0	99.91	0.28	<0.02	4.56	109.23	9.34	75.2	66	65.6	16.3	730	3.42	24.5	1.4	3.9	7.3	39.6
99-PMA-0710-12	Till Pulp	8	17	4.3	99.89	0.18	0.02	4.48	108.70	9.94	72.6	160	61.0	16.2	740	3.25	24.5	0.8	3.8	7.4	41.9
99-PMA-0711-12	Till Pulp	9	18	7.3	99.88	0.71	<0.02	1.50	58.45	9.49	100.0	115	112.6	19.6	806	3.78	11.6	0.5	1.7	2.6	68.6
99-PMA-0713-5	Till Pulp	11	14		93.07	1.13	<0.02	0.91	22.55	6.89	104.8	100	75.2	13.0	676	2.92	5.0	0.5	0.9	1.1	23.1
99-PMA-0713-6	Till Pulp	9	16		89.47	1.58	<0.02	0.74	39.81	8.58	112.9	124	92.8	14.8	770	3.33	6.7	0.7	1.2	1.3	26.1
99-PMA-0713-7	Till Pulp	12	18		90.17	1.16	<0.02	0.85	42.76	9.90	107.3	101	90.9	15.6	758	3.95	9.2	0.6	1.4	1.7	26.8
99-PMA-0713-8	Till Pulp	6	17	8.5	99.90	1.12	<0.02	0.83	43.75	8.91	104.1	108	123.2	15.8	667	3.69	7.6	0.6	1.8	1.7	26.1
99-PMA-0713-9	Till Pulp	11	19	8.5	99.92	1.02	<0.02	0.67	45.03	8.51	110.0	126	115.4	14.1	680	3.99	8.6	0.7	2.0	2.0	30.6
99-PMA-0713-10	Till Pulp	8	17	7.4	99.90	0.73	<0.02	0.63	43.61	6.68	95.1	93	156.0	13.2	503	3.79	8.1	0.6	2.2	1.9	34.4
99-PMA-0713-11	Till Pulp	<5	17	7.7	99.90	0.60	0.02	0.69	52.38	7.03	103.5	105	169.7	14.0	554	3.99	9.4	0.7	2.9	2.1	40.4
99-PMA-0714-4	Till Pulp	8	16	8.0	99.89	1.03	<0.02	1.06	46.67	7.26	91.0	152	133.9	18.0	667	3.36	9.8	0.5	1.0	2.5	76.7
99-PMA-0715-4	Till Pulp	11	14	6.7	99.91	1.34	<0.02	1.11	59.70	6.25	80.2	83	41.1	14.8	612	2.91	9.6	0.5	1.8	2.0	91.2
99-PMA-0716-6	Till Pulp	7	15	7.1	99.90	0.89	0.03	1.88	46.54	8.10	83.2	79	63.5	14.2	766	3.27	8.5	0.5	18.5	2.3	59.6
99-PMA-0717-5	Till Pulp	10	14	6.8	99.93	1.01	<0.02	1.04	50.25	7.98	73.9	114	85.2	17.7	1038	2.94	8.6	0.4	2.8	2.2	51.7

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Project: CICGR22_TILL_RE_3
Report Date: February 13, 2023

CERTIFICATE OF ANALYSIS VAN22003531.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg
	Unit	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb
	MDL	0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5
99-PMA-0707-11	Till Pulp	0.21	0.56	0.08	61	0.49	0.108	12.7	53.9	0.60	139.5	0.071	<20	0.99	0.011	0.06	<0.1	6.5	0.12	<0.02	392
99-PMA-0708-5	Till Pulp	0.37	0.44	0.17	49	0.25	0.091	11.8	146.2	1.57	173.3	0.093	<20	1.87	0.011	0.10	0.1	3.6	0.15	<0.02	26
99-PMA-0708-6	Till Pulp	0.41	0.51	0.22	45	0.27	0.097	13.7	129.0	1.47	181.0	0.083	<20	1.74	0.011	0.11	0.1	3.7	0.16	<0.02	25
99-PMA-0708-7	Till Pulp	0.48	0.49	0.23	51	0.31	0.105	14.5	155.7	1.44	183.4	0.089	<20	1.98	0.016	0.14	0.1	4.2	0.20	<0.02	38
99-PMA-0708-8	Till Pulp	0.51	0.66	0.27	57	0.34	0.116	14.9	122.0	1.61	202.1	0.099	<20	1.89	0.020	0.16	0.2	4.8	0.22	<0.02	146
99-PMA-0709-6	Till Pulp	0.17	0.15	0.06	43	0.27	0.067	7.6	37.5	0.54	214.2	0.105	<20	2.04	0.013	0.11	<0.1	3.5	0.10	<0.02	33
99-PMA-0709-7	Till Pulp	0.14	0.14	0.06	41	0.32	0.074	7.4	32.2	0.55	200.4	0.087	<20	1.63	0.014	0.12	<0.1	3.5	0.11	<0.02	16
99-PMA-0709-8	Till Pulp	0.10	0.13	0.04	31	0.29	0.053	7.9	22.9	0.40	146.0	0.079	<20	1.07	0.011	0.07	<0.1	2.8	0.08	<0.02	17
99-PMA-0709-9	Till Pulp	0.14	0.15	0.05	36	0.39	0.083	10.4	24.9	0.53	164.2	0.092	<20	1.21	0.015	0.10	<0.1	3.7	0.12	<0.02	29
99-PMA-0709-10	Till Pulp	0.15	0.15	0.06	34	0.44	0.088	14.0	24.9	0.45	162.3	0.087	<20	1.04	0.016	0.09	<0.1	5.0	0.11	<0.02	49
99-PMA-0709-11	Till Pulp	0.18	0.18	0.05	32	0.47	0.103	14.9	24.7	0.40	151.6	0.083	<20	0.88	0.016	0.07	<0.1	4.9	0.11	<0.02	49
99-PMA-0710-7	Till Pulp	0.28	0.58	0.46	62	0.49	0.064	12.3	47.9	0.72	171.2	0.067	<20	1.56	0.024	0.05	1.3	4.0	0.09	<0.02	64
99-PMA-0710-8-b	Rock Pulp	0.03	0.05	0.02	19	0.56	0.051	14.1	21.6	0.41	47.7	0.059	<20	0.68	0.067	0.09	<0.1	2.2	0.06	<0.02	9
99-PMA-0710-8	Till Pulp	0.21	0.58	0.33	55	0.45	0.061	10.7	37.6	0.62	148.7	0.063	<20	1.36	0.020	0.04	1.6	3.6	0.08	<0.02	103
99-PMA-0710-9	Till Pulp	0.16	0.52	0.32	54	0.46	0.064	12.2	40.3	0.64	152.5	0.064	<20	1.34	0.021	0.05	1.1	3.7	0.08	<0.02	49
99-PMA-0710-10	Till Pulp	0.20	1.03	0.49	71	0.60	0.090	19.0	57.9	0.81	257.9	0.088	<20	1.65	0.032	0.11	1.2	7.3	0.18	<0.02	230
99-PMA-0710-11	Till Pulp	0.29	1.25	0.65	77	0.63	0.093	21.9	69.0	0.88	317.6	0.087	<20	1.83	0.030	0.13	1.6	8.9	0.21	<0.02	261
99-PMA-0710-12	Till Pulp	0.40	1.12	0.74	75	0.74	0.098	20.9	57.6	0.98	356.6	0.089	<20	1.71	0.041	0.15	1.6	7.9	0.20	<0.02	201
99-PMA-0711-12	Till Pulp	0.42	0.40	0.18	68	1.45	0.075	11.4	67.0	1.58	336.4	0.057	<20	1.79	0.024	0.12	<0.1	7.9	0.19	<0.02	815
99-PMA-0713-5	Till Pulp	0.29	0.24	0.10	59	0.27	0.047	9.1	54.7	0.76	188.9	0.052	<20	1.55	0.009	0.08	<0.1	5.0	0.10	<0.02	50
99-PMA-0713-6	Till Pulp	0.32	0.24	0.12	63	0.29	0.038	12.3	52.3	0.86	214.1	0.046	<20	1.79	0.009	0.09	<0.1	6.7	0.10	<0.02	49
99-PMA-0713-7	Till Pulp	0.20	0.24	0.14	73	0.28	0.027	9.7	57.8	1.05	227.4	0.039	<20	2.15	0.009	0.10	<0.1	8.3	0.12	<0.02	52
99-PMA-0713-8	Till Pulp	0.20	0.26	0.13	69	0.28	0.029	10.6	64.1	1.05	213.3	0.039	<20	1.89	0.008	0.08	<0.1	7.8	0.11	<0.02	139
99-PMA-0713-9	Till Pulp	0.18	0.28	0.13	76	0.30	0.024	12.0	70.2	1.14	237.3	0.053	<20	2.21	0.010	0.10	<0.1	9.2	0.13	<0.02	84
99-PMA-0713-10	Till Pulp	0.14	0.27	0.11	74	0.36	0.037	11.6	87.1	1.44	213.9	0.058	<20	1.95	0.012	0.08	<0.1	8.3	0.12	<0.02	89
99-PMA-0713-11	Till Pulp	0.14	0.32	0.11	78	0.42	0.047	12.9	80.9	1.40	233.1	0.055	<20	2.10	0.015	0.08	<0.1	9.0	0.15	<0.02	152
99-PMA-0714-4	Till Pulp	0.52	0.57	0.11	65	2.36	0.076	11.5	76.6	1.63	325.3	0.070	<20	1.61	0.018	0.10	<0.1	7.3	0.17	<0.02	1396
99-PMA-0715-4	Till Pulp	0.40	0.94	0.08	65	3.78	0.082	10.8	44.6	1.28	237.1	0.105	<20	1.54	0.016	0.09	<0.1	7.0	0.10	<0.02	211
99-PMA-0716-6	Till Pulp	0.30	0.38	0.11	65	1.95	0.079	11.6	63.3	1.15	1803.5	0.075	<20	1.66	0.017	0.10	<0.1	7.4	0.14	0.04	118
99-PMA-0717-5	Till Pulp	0.42	0.47	0.11	58	2.46	0.071	11.3	61.2	0.88	315.7	0.070	<20	1.41	0.017	0.08	<0.1	6.4	0.18	<0.02	127

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Project: CICGR22_TILL_RE_3
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	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
99-PMA-0707-11	Till Pulp	0.2	0.03	2.8	0.45	<0.1	0.07	0.12	3.2	1.7	<0.05	3.6	9.91	25.4	<0.02	<1	0.3	6.3	<10	4
99-PMA-0708-5	Till Pulp	0.5	0.07	3.7	1.48	<0.1	0.05	0.71	12.9	1.0	<0.05	2.5	5.23	28.5	0.03	<1	0.5	13.9	<10	2
99-PMA-0708-6	Till Pulp	0.5	0.09	3.4	1.42	<0.1	0.05	0.60	13.1	0.8	<0.05	2.8	5.90	39.9	0.03	<1	0.5	12.9	<10	<2
99-PMA-0708-7	Till Pulp	0.6	0.08	3.6	1.59	<0.1	0.06	0.65	13.8	29.3	<0.05	3.0	6.94	53.0	0.04	<1	0.5	12.6	<10	<2
99-PMA-0708-8	Till Pulp	0.9	0.11	4.2	1.63	<0.1	0.07	0.51	15.9	1.8	<0.05	3.9	7.59	54.2	0.03	<1	0.5	13.5	<10	<2
99-PMA-0709-6	Till Pulp	0.1	0.02	4.3	0.76	<0.1	0.06	0.94	10.4	2.2	<0.05	2.8	4.09	16.2	0.02	<1	0.4	10.8	<10	<2
99-PMA-0709-7	Till Pulp	0.1	<0.02	3.5	0.59	<0.1	0.06	0.41	10.0	2.2	<0.05	3.2	4.41	20.7	<0.02	<1	0.4	9.2	<10	<2
99-PMA-0709-8	Till Pulp	<0.1	<0.02	2.6	0.46	<0.1	0.06	0.37	8.0	1.0	<0.05	2.9	4.25	19.7	<0.02	<1	0.2	7.4	<10	<2
99-PMA-0709-9	Till Pulp	<0.1	<0.02	3.1	0.61	<0.1	0.06	0.27	11.3	0.6	<0.05	3.2	6.17	28.2	<0.02	<1	0.3	8.3	<10	<2
99-PMA-0709-10	Till Pulp	<0.1	0.02	2.9	0.60	<0.1	0.08	0.24	9.8	1.1	<0.05	4.0	11.35	25.8	<0.02	<1	0.2	7.2	<10	<2
99-PMA-0709-11	Till Pulp	<0.1	0.02	2.7	0.51	<0.1	0.08	0.27	7.2	0.9	<0.05	3.9	12.40	23.8	<0.02	<1	0.2	6.3	<10	<2
99-PMA-0710-7	Till Pulp	0.2	0.02	4.4	1.49	<0.1	0.02	0.62	7.3	5.5	<0.05	1.0	4.70	30.4	0.02	<1	0.3	10.7	<10	<2
99-PMA-0710-8-b	Rock Pulp	<0.1	<0.02	2.3	0.32	<0.1	0.15	0.12	6.0	0.4	<0.05	4.8	4.57	25.1	<0.02	<1	0.2	6.3	<10	<2
99-PMA-0710-8	Till Pulp	0.1	0.03	3.7	1.30	<0.1	<0.02	0.57	6.2	0.2	<0.05	0.9	4.39	26.4	<0.02	<1	0.2	9.5	<10	<2
99-PMA-0710-9	Till Pulp	0.1	0.02	3.7	1.34	<0.1	<0.02	0.55	6.0	0.3	<0.05	0.9	4.64	29.1	<0.02	<1	0.3	9.0	<10	<2
99-PMA-0710-10	Till Pulp	0.1	0.05	4.6	1.59	<0.1	0.09	0.20	7.5	12.7	<0.05	4.4	9.06	36.7	0.02	<1	0.4	10.3	<10	5
99-PMA-0710-11	Till Pulp	<0.1	0.05	5.3	1.90	<0.1	0.13	0.16	9.2	5.5	<0.05	6.0	10.89	39.5	0.03	<1	0.4	12.2	<10	<2
99-PMA-0710-12	Till Pulp	<0.1	0.05	5.1	2.17	<0.1	0.18	0.07	10.4	3.2	<0.05	7.1	10.49	38.7	0.03	<1	0.4	12.8	<10	<2
99-PMA-0711-12	Till Pulp	0.1	0.04	5.4	1.45	<0.1	0.19	0.05	7.3	0.4	<0.05	7.6	11.31	24.5	0.04	<1	0.5	14.0	<10	<2
99-PMA-0713-5	Till Pulp	0.1	0.02	5.0	0.65	<0.1	<0.02	0.56	12.2	24.0	<0.05	0.6	5.43	20.0	0.02	<1	0.6	11.4	<10	<2
99-PMA-0713-6	Till Pulp	0.1	0.03	5.5	0.62	<0.1	0.02	0.54	9.6	9.1	<0.05	0.9	9.97	24.6	0.03	<1	0.8	12.6	<10	<2
99-PMA-0713-7	Till Pulp	0.3	0.03	6.6	0.76	<0.1	0.03	0.44	8.5	0.9	<0.05	1.6	7.59	21.4	0.04	<1	0.8	14.9	<10	<2
99-PMA-0713-8	Till Pulp	0.3	0.03	5.8	0.67	<0.1	0.03	0.42	7.5	0.7	<0.05	1.6	7.74	21.7	0.03	<1	0.7	12.8	<10	<2
99-PMA-0713-9	Till Pulp	0.2	0.03	6.8	0.87	<0.1	0.06	0.41	8.2	0.6	<0.05	2.8	10.71	21.7	0.04	<1	0.8	14.9	<10	<2
99-PMA-0713-10	Till Pulp	0.2	0.03	6.1	0.70	<0.1	0.08	0.22	6.3	0.7	<0.05	3.7	11.31	19.8	0.03	<1	0.6	13.4	<10	<2
99-PMA-0713-11	Till Pulp	0.3	0.03	6.4	0.76	<0.1	0.12	0.12	6.2	0.6	<0.05	5.5	14.76	20.0	0.04	<1	0.6	13.9	<10	<2
99-PMA-0714-4	Till Pulp	0.2	0.03	4.9	1.20	<0.1	0.14	0.07	6.3	0.5	<0.05	6.4	11.26	23.5	0.03	<1	0.4	12.6	<10	<2
99-PMA-0715-4	Till Pulp	0.3	0.04	5.2	0.94	<0.1	0.21	0.06	5.5	1.0	<0.05	8.5	10.88	21.5	0.03	<1	0.4	11.2	<10	11
99-PMA-0716-6	Till Pulp	0.2	0.04	5.1	1.05	<0.1	0.16	0.08	6.4	98.0	<0.05	7.0	11.76	23.8	<0.02	<1	0.5	11.3	<10	<2
99-PMA-0717-5	Till Pulp	0.2	0.04	4.3	0.85	<0.1	0.12	0.16	5.4	9.5	<0.05	5.6	11.04	25.0	0.03	<1	0.3	9.1	<10	<2

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_3
Report Date: February 13, 2023

QUALITY CONTROL REPORT VAN22003531.1

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y
	Unit	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3
90-PMA-0215	Till Pulp	61.06	11.12	5.84	4.97	4.57	2.18	1.49	0.89	0.21	0.10	0.040	58	1135	118	195	26	258	134	46	20
91-PMA-0417-1	Till Pulp	54.72	13.84	10.26	5.09	5.17	2.12	2.42	0.92	0.50	0.20	0.016	199	689	90	40	36	454	136	35	21
91-PMA-0431-6	Till Pulp	36.91	10.74	9.25	2.55	18.41	1.48	1.88	0.52	0.26	0.18	0.009	140	479	78	21	25	286	69	<30	18
93-PMA-0195-1	Till Pulp	78.07	8.46	3.03	0.66	1.34	3.11	1.10	0.62	1.40	0.09	0.013	174	633	43	22	<20	221	142	43	15
98-PMA-0613-3	Till Pulp	56.24	10.77	6.43	8.42	3.85	1.73	1.40	0.70	0.18	0.09	0.080	44	950	113	514	35	216	129	36	19
99-PMA-0703-5	Till Pulp	74.81	7.76	4.53	3.20	3.37	1.94	0.93	0.57	0.14	0.07	0.028	29	499	40	50	<20	179	121	<30	14
99-PMA-0713-8	Till Pulp	62.21	14.86	6.31	2.45	0.82	1.79	1.69	0.89	0.10	0.09	0.038	51	832	122	147	<20	158	126	36	19
Pulp Duplicates																					
91-PMA-0094-1	Till Pulp	65.80	12.93	5.49	2.29	2.70	2.54	1.58	0.85	0.22	0.11	0.016	42	867	90	62	<20	280	149	42	22
REP 91-PMA-0094-1	QC																				
91-PMA-0112	Till Pulp	64.74	12.22	5.63	3.37	3.25	2.33	1.54	0.80	0.20	0.10	0.031	43	929	87	133	20	251	164	50	21
REP 91-PMA-0112	QC	64.86	12.17	5.66	3.35	3.22	2.30	1.52	0.79	0.19	0.09	0.033	44	937	87	134	23	249	166	51	21
91-PMA-0140	Till Pulp	62.48	14.62	6.76	2.31	1.75	2.21	1.85	0.81	0.19	0.13	0.018	63	940	118	85	21	221	150	47	25
REP 91-PMA-0140	QC																				
91-PMA-0159	Till Pulp	64.25	12.39	5.52	2.07	4.07	2.36	1.67	0.69	0.22	0.10	0.022	56	1036	132	82	<20	289	136	46	20
REP 91-PMA-0159	QC																				
91-PMA-0161-b	Rock Pulp	71.91	12.21	3.96	1.70	3.27	3.45	1.46	0.38	0.12	0.06	0.016	157	460	219	91	52	396	164	49	11
REP 91-PMA-0161-b	QC	71.87	12.21	3.95	1.72	3.32	3.47	1.45	0.38	0.12	0.07	0.015	157	458	220	94	53	396	155	64	11
91-PMA-0185	Till Pulp	64.86	13.06	6.62	2.31	2.86	2.73	1.70	0.73	0.25	0.15	0.019	107	933	103	62	29	381	139	45	21
REP 91-PMA-0185	QC																				
91-PMA-0264-3	Till Pulp	54.77	13.36	6.84	2.73	7.35	2.47	2.58	0.67	0.33	0.14	0.013	77	781	71	32	23	428	118	<30	18
REP 91-PMA-0264-3	QC																				
91-PMA-0265-2	Till Pulp	65.14	12.37	5.62	2.19	4.64	2.84	1.93	0.66	0.29	0.12	0.014	65	1021	60	35	<20	425	152	35	19
REP 91-PMA-0265-2	QC	65.13	12.38	5.70	2.19	4.61	2.77	1.96	0.65	0.29	0.12	0.016	69	1022	61	38	<20	426	160	44	18
91-PMA-0349-3	Till Pulp	64.94	11.33	7.97	2.56	3.26	1.37	1.79	0.93	0.32	0.14	0.030	109	1142	224	141	30	165	280	93	34
REP 91-PMA-0349-3	QC																				
92-PMA-0004-1	Till Pulp	64.96	9.68	4.54	2.83	3.04	2.24	1.37	0.63	0.16	0.09	0.028	67	1262	91	95	<20	247	143	39	21
REP 92-PMA-0004-1	QC																				
92-PMA-0016-1	Till Pulp	59.74	12.97	6.65	4.18	5.71	2.62	1.45	0.75	0.19	0.13	0.026	65	703	69	77	23	348	105	<30	19

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_3
Report Date: February 13, 2023

QUALITY CONTROL REPORT VAN22003531.1

	Method	LF300	LF300	LF300	LF300	TC000	TC000	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Nb	Sc	LOI	Sum	TOT/C	TOT/S	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
	Unit	ppm	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm
	MDL	5	1	-5.1	0.01	0.02	0.02	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5
90-PMA-0215	Till Pulp	15	15	7.2	99.89	1.20	0.13	1.93	58.28	8.11	117.9	174	170.8	23.5	719	3.34	7.5	0.8	0.3	2.7	100.1
91-PMA-0417-1	Till Pulp	12	28	4.4	99.87	0.18	<0.02	0.64	208.01	5.05	76.7	91	28.3	26.5	1148	5.25	4.2	0.5	25.3	2.4	63.6
91-PMA-0431-6	Till Pulp	12	17	17.6	99.90	3.68	<0.02	5.58	131.36	5.63	67.4	195	14.9	19.8	1212	5.07	2.9	0.5	18.2	1.9	122.8
93-PMA-0195-1	Till Pulp	<5	8	2.0	99.98	0.13	<0.02	0.58	18.56	8.11	45.9	34	23.3	8.9	656	1.92	3.5	0.3	1.9	1.8	31.1
98-PMA-0613-3	Till Pulp	10	15	9.6	99.77	1.26	0.03	1.45	43.27	5.31	101.9	133	497.5	29.0	612	3.52	6.7	0.9	1.8	1.6	81.8
99-PMA-0703-5	Till Pulp	7	19	2.5	99.93	0.15	<0.02	0.99	26.56	7.08	31.6	14	33.3	8.5	304	2.18	4.4	0.5	2.2	2.1	23.4
99-PMA-0713-8	Till Pulp	6	17	8.5	99.90	1.12	<0.02	0.83	43.75	8.91	104.1	108	123.2	15.8	667	3.69	7.6	0.6	1.8	1.7	26.1
Pulp Duplicates																					
91-PMA-0094-1	Till Pulp	12	15	5.2	99.92	0.68	0.07	1.12	38.20	13.53	81.4	140	51.6	14.1	729	3.18	8.3	0.6	2.5	2.9	69.2
REP 91-PMA-0094-1	QC							1.15	40.97	13.48	86.9	143	54.1	14.7	744	3.25	8.8	0.6	1.3	3.0	69.4
91-PMA-0112	Till Pulp	9	15	5.5	99.91	0.74	0.05	0.74	42.71	7.74	82.0	129	122.3	19.0	605	3.26	8.0	0.6	<0.2	2.6	57.8
REP 91-PMA-0112	QC	12	14	5.5	99.91																
91-PMA-0140	Till Pulp	6	19	6.6	99.91	0.45	<0.02	0.94	55.42	11.64	102.6	117	85.1	19.5	976	4.22	11.4	0.6	<0.2	3.6	53.6
REP 91-PMA-0140	QC					0.44	<0.02														
91-PMA-0159	Till Pulp	7	15	6.4	99.93	0.82	0.03	2.37	49.63	9.01	121.8	138	68.3	15.1	657	3.17	19.2	0.8	1.9	2.7	82.9
REP 91-PMA-0159	QC							2.44	49.42	8.76	127.4	134	67.2	14.8	656	3.14	19.0	0.5	1.4	2.8	84.5
91-PMA-0161-b	Rock Pulp	17	9	1.2	99.95	0.06	0.05	13.11	158.19	280.06	217.8	109	81.1	52.1	271	1.60	10.1	0.5	36.7	3.7	34.1
REP 91-PMA-0161-b	QC	21	9	1.2	99.96																
91-PMA-0185	Till Pulp	8	18	4.4	99.91	0.19	<0.02	2.66	105.58	9.80	99.3	174	55.8	23.2	1013	3.83	14.9	0.5	3.6	2.5	63.9
REP 91-PMA-0185	QC					0.19	<0.02														
91-PMA-0264-3	Till Pulp	10	16		91.44	1.44	0.29	1.23	75.54	6.46	64.0	177	24.8	18.1	1000	4.06	14.6	0.6	4.9	1.9	130.2
REP 91-PMA-0264-3	QC							1.15	74.42	6.46	61.5	116	23.6	18.0	962	3.88	14.0	0.7	4.2	1.9	124.8
91-PMA-0265-2	Till Pulp	10	14	3.9	99.94	0.52	<0.02	0.69	63.52	6.38	52.4	133	35.6	13.1	743	3.01	7.9	0.8	2.6	3.7	77.6
REP 91-PMA-0265-2	QC	10	14	3.9	99.95																
91-PMA-0349-3	Till Pulp	22	19	5.0	99.91	0.51	0.02	5.87	102.42	19.81	217.9	267	130.4	28.5	948	4.75	26.8	0.8	4.8	6.1	53.4
REP 91-PMA-0349-3	QC					0.50	<0.02														
92-PMA-0004-1	Till Pulp	10	12		89.79	0.87	0.34	2.92	66.39	10.30	91.8	190	85.4	15.7	614	2.69	13.2	0.6	1.6	2.3	96.8
REP 92-PMA-0004-1	QC							2.86	65.58	10.94	90.9	194	85.4	15.6	604	2.64	13.0	0.6	1.8	2.2	96.9
92-PMA-0016-1	Till Pulp	6	21	5.3	99.88	0.70	0.04	0.70	61.96	7.18	63.2	101	69.0	18.5	753	3.50	7.3	0.6	14.2	1.8	87.2

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Project: CICGR22_TILL_RE_3
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QUALITY CONTROL REPORT VAN22003531.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg
	Unit	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb
	MDL	0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5
90-PMA-0215	Till Pulp	0.95	0.74	0.13	67	2.40	0.092	12.0	135.2	2.47	401.9	0.134	<20	1.48	0.024	0.11	<0.1	7.7	0.19	0.14	778
91-PMA-0417-1	Till Pulp	0.12	0.30	0.11	157	0.93	0.237	9.7	77.3	1.78	157.0	0.170	<20	2.35	0.015	0.63	0.3	10.1	0.12	<0.02	65
91-PMA-0431-6	Till Pulp	0.19	0.42	0.13	80	11.25	0.119	9.7	34.0	0.94	102.3	0.057	<20	1.14	0.010	0.21	0.2	7.2	0.05	<0.02	30
93-PMA-0195-1	Till Pulp	0.36	0.28	0.05	41	0.30	0.665	10.9	23.3	0.27	97.9	0.061	<20	0.66	0.585	0.06	<0.1	3.4	0.05	<0.02	6398
98-PMA-0613-3	Till Pulp	0.85	0.32	0.09	63	1.98	0.071	9.0	175.7	4.36	284.9	0.067	<20	1.58	0.022	0.11	<0.1	7.2	0.28	<0.02	220
99-PMA-0703-5	Till Pulp	0.08	0.46	0.12	48	0.26	0.064	8.6	82.3	0.46	99.9	0.066	<20	0.82	0.009	0.04	0.1	3.9	0.05	<0.02	542
99-PMA-0713-8	Till Pulp	0.20	0.26	0.13	69	0.28	0.029	10.6	64.1	1.05	213.3	0.039	<20	1.89	0.008	0.08	<0.1	7.8	0.11	<0.02	139
Pulp Duplicates																					
91-PMA-0094-1	Till Pulp	0.43	0.41	0.13	61	1.16	0.096	13.8	47.4	0.98	213.0	0.087	<20	1.49	0.024	0.11	<0.1	6.7	0.10	0.07	115
REP 91-PMA-0094-1	QC	0.46	0.39	0.12	62	1.20	0.099	14.7	49.0	1.01	229.0	0.093	<20	1.52	0.025	0.11	<0.1	7.4	0.10	0.07	122
91-PMA-0112	Till Pulp	0.45	0.39	0.12	60	1.41	0.088	12.5	80.1	1.56	306.9	0.093	<20	1.48	0.021	0.12	<0.1	6.8	0.12	0.05	145
REP 91-PMA-0112	QC																				
91-PMA-0140	Till Pulp	0.25	0.36	0.17	80	0.68	0.080	15.1	67.4	1.02	253.5	0.086	<20	2.19	0.024	0.13	<0.1	10.2	0.14	<0.02	168
REP 91-PMA-0140	QC																				
91-PMA-0159	Till Pulp	0.94	1.16	0.20	74	1.98	0.083	13.3	56.3	0.84	285.7	0.077	<20	1.51	0.023	0.12	<0.1	8.4	0.30	<0.02	180
REP 91-PMA-0159	QC	0.93	1.22	0.19	73	1.97	0.087	13.3	53.8	0.84	295.6	0.076	<20	1.50	0.023	0.12	0.1	8.2	0.30	<0.02	184
91-PMA-0161-b	Rock Pulp	0.59	0.18	0.17	24	0.56	0.056	28.6	31.1	0.47	65.7	0.076	<20	0.78	0.082	0.11	<0.1	3.3	0.09	0.04	12
REP 91-PMA-0161-b	QC																				
91-PMA-0185	Till Pulp	0.54	0.84	0.14	87	0.86	0.107	12.7	46.8	0.90	142.3	0.122	<20	1.85	0.024	0.11	<0.1	9.0	0.11	<0.02	140
REP 91-PMA-0185	QC																				
91-PMA-0264-3	Till Pulp	0.25	0.86	0.07	112	4.35	0.153	8.9	33.1	1.26	142.0	0.087	<20	1.48	0.034	0.20	<0.1	9.1	0.10	0.31	224
REP 91-PMA-0264-3	QC	0.23	0.86	0.06	111	4.18	0.147	8.9	32.0	1.20	147.5	0.086	<20	1.45	0.032	0.21	<0.1	8.8	0.10	0.32	232
91-PMA-0265-2	Till Pulp	0.27	0.55	0.26	83	1.81	0.129	14.1	35.5	0.78	236.6	0.086	<20	1.27	0.027	0.14	0.2	5.3	0.08	<0.02	105
REP 91-PMA-0265-2	QC																				
91-PMA-0349-3	Till Pulp	1.89	2.38	0.23	58	1.32	0.136	19.4	68.1	0.83	160.6	0.049	<20	1.13	0.007	0.10	0.1	9.1	0.39	<0.02	276
REP 91-PMA-0349-3	QC																				
92-PMA-0004-1	Till Pulp	0.41	0.68	0.16	40	1.52	0.073	10.2	69.7	1.24	415.9	0.062	<20	0.87	0.019	0.10	<0.1	4.6	0.10	0.39	176
REP 92-PMA-0004-1	QC	0.40	0.66	0.15	39	1.49	0.071	10.0	68.0	1.22	423.0	0.061	<20	0.85	0.019	0.10	<0.1	4.5	0.10	0.38	163
92-PMA-0016-1	Till Pulp	0.24	0.28	0.06	95	2.23	0.088	8.5	83.1	1.67	121.9	0.143	<20	1.87	0.026	0.11	<0.1	8.1	0.07	0.04	111

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_3
Report Date: February 13, 2023

QUALITY CONTROL REPORT VAN22003531.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
90-PMA-0215	Till Pulp	1.9	0.05	4.8	1.08	<0.1	0.22	0.11	5.9	0.5	<0.05	8.7	10.99	24.7	0.03	2	0.5	12.7	<10	4
91-PMA-0417-1	Till Pulp	0.3	0.09	7.1	2.16	<0.1	0.11	0.03	44.8	0.6	<0.05	4.2	10.94	18.9	<0.02	<1	0.5	14.2	<10	3
91-PMA-0431-6	Till Pulp	0.4	0.08	3.4	4.46	<0.1	0.07	<0.02	15.2	0.3	<0.05	3.0	13.01	17.3	<0.02	<1	0.8	6.2	<10	2
93-PMA-0195-1	Till Pulp	0.1	0.03	2.2	0.25	<0.1	<0.02	0.14	2.3	0.9	<0.05	0.5	6.75	22.2	0.02	<1	<0.1	4.0	<10	<2
98-PMA-0613-3	Till Pulp	0.5	0.02	4.2	0.87	<0.1	0.08	0.12	5.8	0.7	<0.05	3.5	10.54	17.4	0.03	7	0.4	12.6	<10	3
99-PMA-0703-5	Till Pulp	0.2	0.03	2.2	0.38	<0.1	0.04	0.16	3.7	0.3	<0.05	2.0	3.71	21.1	<0.02	<1	0.3	5.4	<10	2
99-PMA-0713-8	Till Pulp	0.3	0.03	5.8	0.67	<0.1	0.03	0.42	7.5	0.7	<0.05	1.6	7.74	21.7	0.03	<1	0.7	12.8	<10	<2
Pulp Duplicates																				
91-PMA-0094-1	Till Pulp	0.3	0.03	4.5	1.11	<0.1	0.21	0.08	6.0	5.0	<0.05	7.9	11.24	27.0	0.04	2	0.4	11.8	<10	<2
REP 91-PMA-0094-1	QC	0.5	0.03	4.7	1.21	<0.1	0.21	0.08	6.4	5.0	<0.05	8.3	11.76	29.0	0.03	3	0.4	11.4	<10	3
91-PMA-0112	Till Pulp	0.5	0.03	4.6	1.09	<0.1	0.20	0.06	6.7	0.6	<0.05	7.4	10.52	24.3	0.03	2	0.2	11.9	<10	4
REP 91-PMA-0112	QC																			
91-PMA-0140	Till Pulp	0.4	0.04	6.4	1.39	<0.1	0.17	0.07	8.3	0.8	<0.05	7.1	14.57	29.7	0.05	2	0.8	17.5	<10	<2
REP 91-PMA-0140	QC																			
91-PMA-0159	Till Pulp	0.5	0.04	4.7	1.09	<0.1	0.19	0.07	6.6	0.6	<0.05	7.5	11.16	24.1	0.03	<1	0.7	11.1	<10	2
REP 91-PMA-0159	QC	0.6	0.04	4.6	1.13	<0.1	0.19	0.07	6.7	0.5	<0.05	7.7	11.52	24.7	0.03	<1	0.5	10.3	<10	2
91-PMA-0161-b	Rock Pulp	0.4	<0.02	2.8	1.24	<0.1	0.18	0.24	7.2	2.2	<0.05	5.8	5.54	45.3	0.05	<1	0.2	8.5	35	27
REP 91-PMA-0161-b	QC																			
91-PMA-0185	Till Pulp	0.6	0.06	5.9	0.92	<0.1	0.19	0.04	6.2	1.6	<0.05	7.1	11.59	23.5	0.03	<1	0.5	12.8	<10	<2
REP 91-PMA-0185	QC																			
91-PMA-0264-3	Till Pulp	0.6	0.04	5.3	2.82	<0.1	0.14	0.03	7.7	0.6	<0.05	6.0	11.60	18.3	0.03	<1	0.5	10.2	<10	2
REP 91-PMA-0264-3	QC	0.6	0.03	5.1	2.88	<0.1	0.16	0.03	7.7	0.6	<0.05	6.6	11.17	18.1	0.02	<1	0.5	9.9	<10	3
91-PMA-0265-2	Till Pulp	0.3	0.05	4.1	1.13	<0.1	0.16	0.07	7.4	0.4	<0.05	5.3	9.43	26.6	<0.02	<1	0.3	8.1	<10	<2
REP 91-PMA-0265-2	QC																			
91-PMA-0349-3	Till Pulp	2.0	0.10	3.1	0.98	<0.1	0.19	0.02	5.3	0.4	<0.05	8.5	13.43	39.2	0.03	<1	0.4	9.1	<10	2
REP 91-PMA-0349-3	QC																			
92-PMA-0004-1	Till Pulp	1.2	0.06	2.7	0.58	<0.1	0.21	0.07	4.3	4.7	<0.05	7.1	8.58	20.9	0.02	2	0.3	7.3	<10	<2
REP 92-PMA-0004-1	QC	1.2	0.05	2.7	0.56	<0.1	0.20	0.06	4.2	5.3	<0.05	7.0	8.51	20.4	0.02	2	0.3	7.3	<10	<2
92-PMA-0016-1	Till Pulp	0.4	0.03	5.8	0.90	<0.1	0.28	0.05	5.0	5.5	<0.05	10.6	9.91	17.1	0.02	<1	0.4	11.1	<10	3

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3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_3
Report Date: February 13, 2023

QUALITY CONTROL REPORT VAN22003531.1

		LF300 SiO2 % 0.01	LF300 Al2O3 % 0.01	LF300 Fe2O3 % 0.04	LF300 MgO % 0.01	LF300 CaO % 0.01	LF300 Na2O % 0.01	LF300 K2O % 0.01	LF300 TiO2 % 0.01	LF300 P2O5 % 0.01	LF300 MnO % 0.01	LF300 Cr2O3 % 0.002	LF300 Cu ppm 5	LF300 Ba ppm 5	LF300 Zn ppm 5	LF300 Ni ppm 20	LF300 Co ppm 20	LF300 Sr ppm 2	LF300 Zr ppm 5	LF300 Ce ppm 30	LF300 Y ppm 3
REP 92-PMA-0016-1	QC	59.65	12.97	6.67	4.21	5.70	2.64	1.45	0.76	0.19	0.13	0.026	68	704	74	79	22	350	111	<30	19
92-PMA-0066-2	Till Pulp	55.86	10.71	5.96	5.26	8.81	2.15	1.29	0.80	0.30	0.11	0.041	54	754	74	184	21	374	133	30	20
REP 92-PMA-0066-2	QC																				
92-PMA-0086-b	Rock Pulp	72.08	12.14	3.79	1.66	3.44	3.50	1.45	0.38	0.13	0.06	0.009	26	463	32	22	<20	401	164	38	11
REP 92-PMA-0086-b	QC																				
92-PMA-0089-2	Till Pulp	60.66	11.52	6.06	3.63	6.58	2.38	1.50	0.91	0.26	0.10	0.027	76	1196	109	105	<20	353	145	38	22
REP 92-PMA-0089-2	QC	60.46	11.65	6.15	3.67	6.49	2.40	1.51	0.91	0.26	0.10	0.026	77	1214	109	102	25	357	151	45	21
93-PMA-0562	Till Pulp	63.14	10.13	3.45	2.49	8.31	2.84	1.15	0.57	0.49	0.08	0.023	39	742	67	68	<20	339	119	30	17
REP 93-PMA-0562	QC																				
98-PMA-0609-7	Till Pulp	58.02	12.67	6.92	3.15	5.09	1.77	1.86	1.06	0.21	0.11	0.029	78	1646	109	138	23	218	173	41	23
REP 98-PMA-0609-7	QC																				
98-PMA-0610-1	Till Pulp	57.11	11.81	7.03	5.01	5.37	1.90	1.38	1.08	0.21	0.12	0.037	69	1040	96	207	29	262	160	34	22
REP 98-PMA-0610-1	QC	56.91	11.84	7.00	5.05	5.43	1.92	1.44	1.08	0.21	0.12	0.036	69	1042	97	208	31	263	159	46	21
99-PMA-0708-5	Till Pulp	66.72	10.64	5.97	4.38	1.83	1.80	1.25	0.76	0.20	0.09	0.051	44	1035	90	321	30	137	176	48	20
REP 99-PMA-0708-5	QC																				
99-PMA-0710-8	Till Pulp	65.68	13.12	4.67	2.15	2.92	3.11	1.33	0.69	0.17	0.08	0.021	37	831	50	42	<20	366	179	44	14
REP 99-PMA-0710-8	QC																				
99-PMA-0710-10	Till Pulp	65.06	13.73	5.63	2.40	2.64	2.85	1.63	0.70	0.23	0.11	0.022	90	973	70	72	<20	343	174	60	18
REP 99-PMA-0710-10	QC	65.10	13.65	5.69	2.41	2.65	2.83	1.61	0.70	0.21	0.11	0.021	89	976	71	67	<20	341	175	56	18
99-PMA-0714-4	Till Pulp	59.28	13.11	6.29	3.64	4.46	2.05	1.65	0.84	0.20	0.11	0.030	52	1039	105	153	21	253	159	46	22
REP 99-PMA-0714-4	QC																				
Reference Materials																					
STD DS11	Standard																				
STD DS11	Standard																				
STD DS11	Standard																				
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QUALITY CONTROL REPORT VAN22003531.1

		LF300 Nb ppm 5	LF300 Sc ppm 1	LF300 LOI % -5.1	LF300 Sum % 0.01	TC000 TOT/C % 0.02	TC000 TOT/S % 0.02	AQ250 Mo ppm 0.01	AQ250 Cu ppm 0.01	AQ250 Pb ppm 0.01	AQ250 Zn ppm 0.1	AQ250 Ag ppb 2	AQ250 Ni ppm 0.1	AQ250 Co ppm 0.1	AQ250 Mn ppm 1	AQ250 Fe % 0.01	AQ250 As ppm 0.1	AQ250 U ppm 0.1	AQ250 Au ppb 0.2	AQ250 Th ppm 0.1	AQ250 Sr ppm 0.5
REP 92-PMA-0016-1	QC	7	22	5.3	99.88																
92-PMA-0066-2	Till Pulp	15	18	8.4	99.88	1.80	0.08	1.13	48.92	8.68	67.0	153	176.8	21.1	641	3.14	15.7	0.6	0.8	2.0	186.7
REP 92-PMA-0066-2	QC					1.74	0.07														
92-PMA-0086-b	Rock Pulp	<5	8	1.2	99.96	0.07	<0.02	0.68	24.21	2.37	21.8	27	18.6	6.4	270	1.56	0.6	0.5	1.8	3.6	34.6
REP 92-PMA-0086-b	QC							0.73	24.13	2.40	21.8	23	19.0	6.7	278	1.58	0.8	0.5	1.1	3.7	34.2
92-PMA-0089-2	Till Pulp	15	19	6.0	99.89	1.25	0.23	2.40	72.20	10.66	102.8	255	95.1	20.3	593	3.52	29.5	1.4	3.0	3.3	137.6
REP 92-PMA-0089-2	QC	12	20	6.0	99.89																
93-PMA-0562	Till Pulp	9	11	7.1	99.94	1.60	<0.02	1.06	22.63	5.22	59.2	47	57.1	11.2	480	1.86	14.1	0.6	2.2	2.4	93.4
REP 93-PMA-0562	QC					1.61	<0.02														
98-PMA-0609-7	Till Pulp	24	17	8.7	99.91	1.28	<0.02	2.80	74.81	8.51	96.4	147	119.7	23.5	751	3.82	10.8	0.5	15.1	2.8	73.8
REP 98-PMA-0609-7	QC							2.74	74.82	8.14	95.3	158	119.8	23.7	732	3.77	10.5	0.5	15.3	2.8	73.6
98-PMA-0610-1	Till Pulp	15	16	8.6	99.91	1.10	<0.02	1.27	68.88	6.81	91.9	112	189.8	29.1	836	3.97	7.7	0.4	2.0	2.3	124.2
REP 98-PMA-0610-1	QC	16	17	8.6	99.89																
99-PMA-0708-5	Till Pulp	14	11	6.0	99.91	0.86	<0.02	2.21	44.93	7.43	76.0	146	278.4	27.1	423	3.17	10.5	0.8	7.8	3.7	11.1
REP 99-PMA-0708-5	QC					0.86	<0.02														
99-PMA-0710-8	Till Pulp	10	14	5.8	99.91	I.S.	I.S.	1.78	31.39	4.13	36.6	63	29.7	9.7	414	2.13	11.2	0.7	5.7	1.8	24.5
REP 99-PMA-0710-8	QC							1.84	32.18	4.31	37.6	67	30.5	10.0	425	2.19	11.6	0.7	2.2	1.9	25.6
99-PMA-0710-10	Till Pulp	12	16	4.7	99.91	0.28	<0.02	3.77	82.54	8.33	58.6	30	53.0	13.6	627	2.98	20.2	1.3	7.0	6.2	36.1
REP 99-PMA-0710-10	QC	9	16	4.7	99.90																
99-PMA-0714-4	Till Pulp	8	16	8.0	99.89	1.03	<0.02	1.06	46.67	7.26	91.0	152	133.9	18.0	667	3.36	9.8	0.5	1.0	2.5	76.7
REP 99-PMA-0714-4	QC					1.06	<0.02														
Reference Materials																					
STD DS11	Standard							13.78	147.35	135.57	355.6	1776	80.3	14.0	1046	3.17	46.3	2.4	418.7	6.6	63.4
STD DS11	Standard							13.79	151.29	137.42	373.7	1770	84.6	14.1	1087	3.19	47.2	2.5	72.0	7.5	69.9
STD DS11	Standard							12.52	139.75	123.00	332.4	1615	69.8	12.0	994	2.99	42.4	2.2	45.9	6.7	60.5
STD DS11	Standard							13.85	147.61	144.45	364.0	1552	79.9	14.0	1036	3.15	47.4	2.8	50.6	8.6	67.8
STD DS11	Standard							13.83	146.81	131.83	334.7	1973	81.0	14.3	1044	3.11	43.1	2.3	225.9	7.1	66.5
STD DS11	Standard							14.96	146.60	146.69	351.3	2286	83.7	14.9	1077	3.30	48.0	2.7	70.9	8.7	73.7
STD DS11	Standard							15.48	155.88	143.42	361.1	1747	84.6	14.6	1087	3.30	46.6	2.8	124.4	9.6	74.1

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_3
Report Date: February 13, 2023

QUALITY CONTROL REPORT VAN22003531.1

		AQ250 Cd ppm 0.01	AQ250 Sb ppm 0.02	AQ250 Bi ppm 0.02	AQ250 V ppm 1	AQ250 Ca % 0.01	AQ250 P % 0.001	AQ250 La ppm 0.5	AQ250 Cr ppm 0.5	AQ250 Mg % 0.01	AQ250 Ba ppm 0.5	AQ250 Ti % 0.001	AQ250 B ppm 20	AQ250 Al % 0.01	AQ250 Na % 0.001	AQ250 K % 0.01	AQ250 W ppm 0.1	AQ250 Sc ppm 0.1	AQ250 Tl ppm 0.02	AQ250 S % 0.02	AQ250 Hg ppb 5
REP 92-PMA-0016-1	QC																				
92-PMA-0066-2	Till Pulp	0.47	0.64	0.07	67	4.56	0.125	8.1	144.2	2.43	98.2	0.109	<20	1.32	0.014	0.08	<0.1	6.6	0.08	0.09	114
REP 92-PMA-0066-2	QC																				
92-PMA-0086-b	Rock Pulp	0.04	0.06	0.04	26	0.71	0.058	19.6	28.3	0.51	59.5	0.085	<20	0.81	0.084	0.12	<0.1	3.3	0.08	<0.02	7
REP 92-PMA-0086-b	QC	0.03	0.06	0.03	27	0.72	0.058	18.5	28.2	0.51	58.3	0.085	<20	0.82	0.086	0.13	<0.1	3.1	0.07	<0.02	20
92-PMA-0089-2	Till Pulp	0.87	1.51	0.11	79	3.16	0.121	10.7	81.4	1.49	204.4	0.146	<20	1.35	0.016	0.12	<0.1	7.4	0.09	0.27	143
REP 92-PMA-0089-2	QC																				
93-PMA-0562	Till Pulp	0.68	1.57	0.05	39	4.55	0.218	12.9	50.8	0.99	155.4	0.066	<20	0.79	0.169	0.10	<0.1	5.1	0.16	<0.02	891
REP 93-PMA-0562	QC																				
98-PMA-0609-7	Till Pulp	0.46	0.25	0.17	66	3.03	0.086	12.7	79.6	1.23	425.3	0.057	<20	1.57	0.018	0.14	<0.1	9.3	0.17	<0.02	418
REP 98-PMA-0609-7	QC	0.45	0.27	0.17	65	2.92	0.083	12.9	78.6	1.20	431.9	0.058	<20	1.52	0.018	0.14	<0.1	8.6	0.18	<0.02	391
98-PMA-0610-1	Till Pulp	0.37	0.24	0.11	77	3.02	0.089	12.6	146.9	2.51	292.6	0.208	<20	2.02	0.024	0.11	<0.1	7.7	0.13	<0.02	208
REP 98-PMA-0610-1	QC																				
99-PMA-0708-5	Till Pulp	0.37	0.44	0.17	49	0.25	0.091	11.8	146.2	1.57	173.3	0.093	<20	1.87	0.011	0.10	0.1	3.6	0.15	<0.02	26
REP 99-PMA-0708-5	QC																				
99-PMA-0710-8	Till Pulp	0.21	0.58	0.33	55	0.45	0.061	10.7	37.6	0.62	148.7	0.063	<20	1.36	0.020	0.04	1.6	3.6	0.08	<0.02	103
REP 99-PMA-0710-8	QC	0.22	0.57	0.34	57	0.48	0.064	11.3	39.9	0.64	158.2	0.068	<20	1.42	0.022	0.05	1.5	3.8	0.08	<0.02	49
99-PMA-0710-10	Till Pulp	0.20	1.03	0.49	71	0.60	0.090	19.0	57.9	0.81	257.9	0.088	<20	1.65	0.032	0.11	1.2	7.3	0.18	<0.02	230
REP 99-PMA-0710-10	QC																				
99-PMA-0714-4	Till Pulp	0.52	0.57	0.11	65	2.36	0.076	11.5	76.6	1.63	325.3	0.070	<20	1.61	0.018	0.10	<0.1	7.3	0.17	<0.02	1396
REP 99-PMA-0714-4	QC																				
Reference Materials																					
STD DS11	Standard	2.24	6.58	10.85	51	1.07	0.072	16.4	56.8	0.83	388.7	0.086	<20	1.12	0.072	0.38	2.8	2.9	4.82	0.28	252
STD DS11	Standard	2.49	5.73	11.21	50	1.09	0.074	17.4	60.6	0.88	405.9	0.092	<20	1.17	0.079	0.41	2.3	3.1	4.83	0.30	274
STD DS11	Standard	2.17	6.17	9.84	46	1.03	0.069	15.9	54.3	0.82	386.5	0.078	<20	1.09	0.071	0.37	2.6	2.9	4.81	0.26	243
STD DS11	Standard	2.51	7.47	13.02	49	1.08	0.072	19.5	60.2	0.84	407.4	0.097	<20	1.11	0.075	0.39	2.4	3.3	5.19	0.28	257
STD DS11	Standard	2.24	5.98	11.06	50	1.08	0.072	17.8	60.2	0.85	370.1	0.094	<20	1.17	0.077	0.40	2.5	3.1	4.76	0.28	281
STD DS11	Standard	2.46	7.37	12.94	51	1.11	0.072	20.6	61.9	0.89	413.9	0.105	<20	1.22	0.077	0.42	2.4	3.5	5.33	0.31	261
STD DS11	Standard	2.66	7.66	13.23	52	1.13	0.072	21.3	62.3	0.89	424.4	0.109	<20	1.23	0.082	0.41	2.4	3.7	5.35	0.29	289

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PHONE (604) 253-3158

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_3
Report Date: February 13, 2023

QUALITY CONTROL REPORT VAN22003531.1

		AQ250 Se ppm 0.1	AQ250 Te ppm 0.02	AQ250 Ga ppm 0.1	AQ250 Cs ppm 0.02	AQ250 Ge ppm 0.1	AQ250 Hf ppm 0.02	AQ250 Nb ppm 0.02	AQ250 Rb ppm 0.1	AQ250 Sn ppm 0.1	AQ250 Ta ppm 0.05	AQ250 Zr ppm 0.1	AQ250 Y ppm 0.01	AQ250 Ce ppm 0.1	AQ250 In ppm 0.02	AQ250 Re ppb 1	AQ250 Be ppm 0.1	AQ250 Li ppm 0.1	AQ250 Pd ppb 10	AQ250 Pt ppb 2
REP 92-PMA-0016-1	QC																			
92-PMA-0066-2	Till Pulp	0.9	0.04	3.9	0.34	<0.1	0.15	0.05	3.0	3.5	<0.05	6.3	9.54	15.8	<0.02	1	0.3	10.8	<10	<2
REP 92-PMA-0066-2	QC																			
92-PMA-0086-b	Rock Pulp	<0.1	<0.02	2.9	0.39	<0.1	0.18	0.14	7.0	0.5	<0.05	5.1	5.81	31.4	<0.02	<1	0.1	6.8	<10	<2
REP 92-PMA-0086-b	QC	0.1	<0.02	2.9	0.39	<0.1	0.19	0.18	6.9	0.5	<0.05	5.3	6.00	31.0	<0.02	<1	0.2	7.3	<10	<2
92-PMA-0089-2	Till Pulp	1.2	0.06	4.3	0.70	<0.1	0.18	0.12	4.7	1.1	<0.05	7.2	10.33	19.7	0.03	2	0.2	12.2	<10	<2
REP 92-PMA-0089-2	QC																			
93-PMA-0562	Till Pulp	0.4	<0.02	2.6	1.17	<0.1	0.08	0.09	5.1	0.4	<0.05	4.8	8.43	23.4	<0.02	<1	0.2	6.0	<10	<2
REP 93-PMA-0562	QC																			
98-PMA-0609-7	Till Pulp	0.4	0.06	4.5	0.90	<0.1	0.13	0.05	7.0	1.5	<0.05	6.2	11.97	26.8	0.04	<1	0.4	11.1	<10	2
REP 98-PMA-0609-7	QC	0.4	0.06	4.4	0.93	<0.1	0.14	0.05	7.0	0.6	<0.05	6.3	11.63	26.7	0.04	1	0.4	10.9	<10	<2
98-PMA-0610-1	Till Pulp	0.2	0.04	6.1	0.86	<0.1	0.19	0.08	6.2	0.9	<0.05	8.8	11.08	26.2	0.03	1	0.4	12.4	<10	3
REP 98-PMA-0610-1	QC																			
99-PMA-0708-5	Till Pulp	0.5	0.07	3.7	1.48	<0.1	0.05	0.71	12.9	1.0	<0.05	2.5	5.23	28.5	0.03	<1	0.5	13.9	<10	2
REP 99-PMA-0708-5	QC																			
99-PMA-0710-8	Till Pulp	0.1	0.03	3.7	1.30	<0.1	<0.02	0.57	6.2	0.2	<0.05	0.9	4.39	26.4	<0.02	<1	0.2	9.5	<10	<2
REP 99-PMA-0710-8	QC	0.1	0.02	3.9	1.41	<0.1	0.02	0.60	6.7	0.4	<0.05	0.9	4.70	28.0	<0.02	<1	0.3	9.7	<10	<2
99-PMA-0710-10	Till Pulp	0.1	0.05	4.6	1.59	<0.1	0.09	0.20	7.5	12.7	<0.05	4.4	9.06	36.7	0.02	<1	0.4	10.3	<10	5
REP 99-PMA-0710-10	QC																			
99-PMA-0714-4	Till Pulp	0.2	0.03	4.9	1.20	<0.1	0.14	0.07	6.3	0.5	<0.05	6.4	11.26	23.5	0.03	<1	0.4	12.6	<10	<2
REP 99-PMA-0714-4	QC																			
Reference Materials																				
STD DS11	Standard	2.4	4.82	4.8	2.80	<0.1	0.05	1.22	33.9	1.6	<0.05	2.6	7.58	33.6	0.23	47	0.7	21.8	97	173
STD DS11	Standard	2.5	5.09	5.0	2.81	<0.1	0.06	1.31	35.0	1.8	<0.05	2.8	8.43	34.8	0.24	47	0.7	21.5	109	175
STD DS11	Standard	2.3	4.40	4.4	2.59	<0.1	0.06	1.24	32.0	1.6	<0.05	2.6	7.07	32.9	0.22	41	0.7	22.3	94	160
STD DS11	Standard	2.6	4.78	5.0	2.94	<0.1	0.08	1.33	35.4	2.0	<0.05	3.1	7.88	37.4	0.26	52	0.5	24.3	93	174
STD DS11	Standard	2.4	4.81	4.8	2.76	<0.1	0.06	1.31	33.6	1.8	<0.05	2.9	8.06	35.6	0.24	44	0.7	22.4	105	166
STD DS11	Standard	2.3	4.61	5.3	3.00	<0.1	0.06	1.42	36.3	2.0	<0.05	3.0	8.80	40.0	0.26	49	0.6	22.8	96	183
STD DS11	Standard	2.4	4.91	5.3	3.16	<0.1	0.08	1.45	36.8	2.3	<0.05	2.9	8.70	41.1	0.26	48	0.9	25.2	89	193

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_3
Report Date: February 13, 2023

QUALITY CONTROL REPORT VAN22003531.1

		LF300 SiO2 % 0.01	LF300 Al2O3 % 0.01	LF300 Fe2O3 % 0.04	LF300 MgO % 0.01	LF300 CaO % 0.01	LF300 Na2O % 0.01	LF300 K2O % 0.01	LF300 TiO2 % 0.01	LF300 P2O5 % 0.01	LF300 MnO % 0.01	LF300 Cr2O3 % 0.002	LF300 Cu ppm 5	LF300 Ba ppm 5	LF300 Zn ppm 5	LF300 Ni ppm 20	LF300 Co ppm 20	LF300 Sr ppm 2	LF300 Zr ppm 5	LF300 Ce ppm 30	LF300 Y ppm 3
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD OREAS279	Standard																				
STD OREAS279	Standard																				
STD OREAS279	Standard																				
STD OREAS279	Standard																				
STD OREAS262	Standard																				
STD OREAS262	Standard																				
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STD OREAS262	Standard																				
STD OREAS262	Standard																				
STD OREAS262	Standard																				
STD SO-19	Standard	60.56	13.91	7.48	2.89	5.92	4.07	1.28	0.70	0.32	0.13	0.491	63	468	81	475	27	317	113	158	34
STD SO-19	Standard	60.70	13.89	7.44	2.88	5.85	4.07	1.27	0.70	0.32	0.13	0.494	67	467	81	479	24	314	111	153	34
STD SO-19	Standard	60.86	13.82	7.35	2.86	5.83	4.10	1.29	0.70	0.32	0.13	0.496	68	470	81	473	24	311	111	152	35
STD SO-19	Standard	60.69	13.81	7.36	2.87	5.93	4.10	1.34	0.70	0.33	0.13	0.489	65	461	79	464	27	315	111	140	35
STD SO-19	Standard	60.64	14.03	7.32	2.89	5.87	4.04	1.30	0.70	0.31	0.13	0.498	72	475	81	472	21	314	122	156	35
STD SO-19	Standard	60.58	14.06	7.25	2.90	5.91	4.08	1.30	0.70	0.32	0.13	0.502	67	470	80	471	<20	315	120	165	35
STD SO-19	Standard	60.69	13.96	7.34	2.87	5.89	4.02	1.32	0.70	0.32	0.13	0.492	68	461	79	473	22	313	110	154	34
STD SO-19	Standard	60.50	14.05	7.43	2.91	5.87	4.02	1.29	0.71	0.33	0.13	0.502	71	474	84	481	23	317	111	151	34

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_3
Report Date: February 13, 2023

QUALITY CONTROL REPORT VAN22003531.1

		LF300 Nb ppm 5	LF300 Sc ppm 1	LF300 LOI % -5.1	LF300 Sum % 0.01	TC000 TOT/C % 0.02	TC000 TOT/S % 0.02	AQ250 Mo ppm 0.01	AQ250 Cu ppm 0.01	AQ250 Pb ppm 0.01	AQ250 Zn ppm 0.1	AQ250 Ag ppb 2	AQ250 Ni ppm 0.1	AQ250 Co ppm 0.1	AQ250 Mn ppm 1	AQ250 Fe % 0.01	AQ250 As ppm 0.1	AQ250 U ppm 0.1	AQ250 Au ppb 0.2	AQ250 Th ppm 0.1	AQ250 Sr ppm 0.5
STD GS311-1	Standard					0.96	2.20														
STD GS311-1	Standard					0.98	2.23														
STD GS311-1	Standard					1.00	2.25														
STD GS311-1	Standard					1.02	2.22														
STD GS311-1	Standard					1.01	2.29														
STD GS910-4	Standard					2.58	7.79														
STD GS910-4	Standard					2.61	8.24														
STD GS910-4	Standard					2.66	8.60														
STD GS910-4	Standard					2.60	8.24														
STD GS910-4	Standard					2.60	8.53														
STD OREAS279	Standard					1.10	1.21														
STD OREAS279	Standard					1.15	1.22														
STD OREAS279	Standard					1.10	1.37														
STD OREAS279	Standard					1.14	1.22														
STD OREAS262	Standard							0.64	118.70	54.92	165.0	489	65.7	28.4	565	3.49	39.0	1.1	66.2	8.7	36.1
STD OREAS262	Standard							0.63	121.72	60.56	169.2	489	67.3	28.4	577	3.43	39.2	1.2	58.6	9.4	38.3
STD OREAS262	Standard							0.56	109.19	51.75	144.7	416	56.3	24.7	524	3.14	34.8	1.0	50.6	8.1	33.8
STD OREAS262	Standard							0.65	114.52	62.47	157.2	470	67.2	29.4	540	3.29	38.2	1.3	54.1	10.5	37.6
STD OREAS262	Standard							0.61	122.31	56.91	164.3	485	67.8	29.8	563	3.41	37.9	1.1	54.9	8.9	36.9
STD OREAS262	Standard							0.63	113.15	63.50	154.1	484	67.1	28.0	542	3.36	38.1	1.4	63.3	10.6	38.8
STD OREAS262	Standard							0.61	121.90	63.24	165.0	491	65.6	28.5	554	3.44	38.7	1.4	56.8	10.9	38.7
STD SO-19	Standard	84	26	1.9	99.90																
STD SO-19	Standard	81	26	1.9	99.91																
STD SO-19	Standard	76	27	1.9	99.90																
STD SO-19	Standard	77	26	1.9	99.91																
STD SO-19	Standard	75	27	1.9	99.88																
STD SO-19	Standard	72	26	1.9	99.88																
STD SO-19	Standard	74	26	1.9	99.88																
STD SO-19	Standard	75	27	1.9	99.88																

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Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_3
Report Date: February 13, 2023

QUALITY CONTROL REPORT VAN22003531.1

		AQ250 Cd ppm 0.01	AQ250 Sb ppm 0.02	AQ250 Bi ppm 0.02	AQ250 V ppm 1	AQ250 Ca % 0.01	AQ250 P % 0.001	AQ250 La ppm 0.5	AQ250 Cr ppm 0.5	AQ250 Mg % 0.01	AQ250 Ba ppm 0.5	AQ250 Ti % 0.001	AQ250 B ppm 20	AQ250 Al % 0.01	AQ250 Na % 0.001	AQ250 K % 0.01	AQ250 W ppm 0.1	AQ250 Sc ppm 0.1	AQ250 Tl ppm 0.02	AQ250 S % 0.02	AQ250 Hg ppb 5
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS910-4	Standard																				
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STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD OREAS279	Standard																				
STD OREAS279	Standard																				
STD OREAS279	Standard																				
STD OREAS279	Standard																				
STD OREAS262	Standard	0.65	2.80	0.93	23	3.13	0.041	16.0	42.9	1.22	247.8	0.003	<20	1.24	0.073	0.30	0.1	3.1	0.48	0.27	174
STD OREAS262	Standard	0.69	2.11	1.03	22	3.09	0.041	16.7	42.9	1.27	260.8	0.003	<20	1.26	0.072	0.32	<0.1	3.2	0.49	0.29	175
STD OREAS262	Standard	0.60	2.12	0.88	19	2.94	0.038	14.4	37.5	1.15	230.5	0.003	<20	1.14	0.066	0.27	<0.1	2.8	0.44	0.26	146
STD OREAS262	Standard	0.71	2.62	1.17	21	2.99	0.039	16.6	45.3	1.21	250.9	0.004	<20	1.24	0.073	0.29	0.1	3.3	0.48	0.26	173
STD OREAS262	Standard	0.65	1.82	0.96	23	3.14	0.043	16.1	46.2	1.27	247.9	0.003	<20	1.36	0.077	0.33	<0.1	3.2	0.47	0.26	165
STD OREAS262	Standard	0.70	2.10	1.19	24	3.06	0.041	19.9	43.9	1.20	266.5	0.003	<20	1.35	0.068	0.33	<0.1	3.5	0.50	0.28	176
STD OREAS262	Standard	0.73	2.58	1.16	23	3.13	0.043	18.2	44.6	1.25	267.9	0.003	<20	1.34	0.076	0.32	0.1	3.7	0.50	0.27	169
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				

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Canada

www.bvna.com/mining-laboratory-services

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_3
Report Date: February 13, 2023

QUALITY CONTROL REPORT VAN22003531.1

		AQ250 Se ppm 0.1	AQ250 Te ppm 0.02	AQ250 Ga ppm 0.1	AQ250 Cs ppm 0.02	AQ250 Ge ppm 0.1	AQ250 Hf ppm 0.02	AQ250 Nb ppm 0.02	AQ250 Rb ppm 0.1	AQ250 Sn ppm 0.1	AQ250 Ta ppm 0.05	AQ250 Zr ppm 0.1	AQ250 Y ppm 0.01	AQ250 Ce ppm 0.1	AQ250 In ppm 0.02	AQ250 Re ppb 1	AQ250 Be ppm 0.1	AQ250 Li ppm 0.1	AQ250 Pd ppb 10	AQ250 Pt ppb 2
STD GS311-1	Standard																			
STD GS311-1	Standard																			
STD GS311-1	Standard																			
STD GS311-1	Standard																			
STD GS311-1	Standard																			
STD GS910-4	Standard																			
STD GS910-4	Standard																			
STD GS910-4	Standard																			
STD GS910-4	Standard																			
STD GS910-4	Standard																			
STD OREAS279	Standard																			
STD OREAS279	Standard																			
STD OREAS279	Standard																			
STD OREAS279	Standard																			
STD OREAS262	Standard	0.7	0.21	4.0	2.64	<0.1	0.19	<0.02	19.6	0.5	<0.05	8.9	11.23	32.5	0.03	<1	1.1	16.4	<10	<2
STD OREAS262	Standard	0.7	0.26	3.9	2.48	<0.1	0.21	<0.02	19.7	0.6	<0.05	11.5	11.71	33.5	0.03	1	1.1	16.1	<10	<2
STD OREAS262	Standard	0.5	0.23	3.4	2.17	<0.1	0.23	<0.02	17.3	0.5	<0.05	9.3	10.14	29.8	0.03	1	1.1	16.3	<10	<2
STD OREAS262	Standard	0.7	0.22	3.9	2.41	<0.1	0.25	<0.02	18.3	0.5	<0.05	8.9	10.87	32.6	0.04	<1	1.0	18.2	<10	<2
STD OREAS262	Standard	0.6	0.24	3.8	2.34	<0.1	0.18	<0.02	20.1	0.5	<0.05	8.4	11.43	31.3	0.03	2	1.2	18.4	<10	<2
STD OREAS262	Standard	0.6	0.24	4.2	2.57	<0.1	0.16	<0.02	20.2	0.5	<0.05	7.0	11.38	38.3	0.04	2	0.9	18.6	<10	2
STD OREAS262	Standard	0.6	0.25	4.1	2.55	<0.1	0.17	<0.02	20.0	0.6	<0.05	8.0	11.52	34.6	0.04	1	1.0	18.4	<10	<2
STD SO-19	Standard																			
STD SO-19	Standard																			
STD SO-19	Standard																			
STD SO-19	Standard																			
STD SO-19	Standard																			
STD SO-19	Standard																			
STD SO-19	Standard																			
STD SO-19	Standard																			

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_3
Report Date: February 13, 2023

QUALITY CONTROL REPORT VAN22003531.1

		LF300 SiO2 % 0.01	LF300 Al2O3 % 0.01	LF300 Fe2O3 % 0.04	LF300 MgO % 0.01	LF300 CaO % 0.01	LF300 Na2O % 0.01	LF300 K2O % 0.01	LF300 TiO2 % 0.01	LF300 P2O5 % 0.01	LF300 MnO % 0.01	LF300 Cr2O3 % 0.002	LF300 Cu ppm 5	LF300 Ba ppm 5	LF300 Zn ppm 5	LF300 Ni ppm 20	LF300 Co ppm 20	LF300 Sr ppm 2	LF300 Zr ppm 5	LF300 Ce ppm 30	LF300 Y ppm 3
STD SO-19	Standard	60.51	13.88	7.38	2.87	6.00	4.14	1.30	0.70	0.33	0.13	0.497	64	471	80	473	24	314	110	148	34
STD SO-19	Standard	60.52	14.06	7.38	2.89	5.93	3.99	1.32	0.70	0.32	0.13	0.497	69	467	78	468	24	314	110	157	34
STD SO-19	Standard	60.68	13.78	7.50	2.85	5.88	4.07	1.33	0.69	0.33	0.13	0.501	72	491	81	488	27	310	113	165	35
STD SO-19	Standard	60.98	13.70	7.34	2.84	5.91	4.04	1.29	0.69	0.32	0.13	0.496	66	493	81	469	25	310	110	148	35
STD SO-19	Standard	60.49	14.03	7.35	2.87	5.92	4.10	1.33	0.70	0.32	0.13	0.491	67	468	81	473	27	314	112	149	34
STD SO-19	Standard	60.95	13.91	7.28	2.84	5.89	3.94	1.29	0.70	0.32	0.13	0.486	65	469	80	464	24	311	109	163	34
STD SO-19	Standard	60.35	14.03	7.52	2.90	5.93	4.03	1.32	0.70	0.32	0.13	0.506	65	472	78	481	24	313	116	173	35
STD SO-19	Standard	60.80	13.81	7.40	2.87	5.90	4.03	1.27	0.70	0.32	0.13	0.499	68	463	78	467	24	311	113	160	35
STD SO-19	Standard	60.63	13.91	7.37	2.90	5.96	4.03	1.29	0.70	0.32	0.13	0.500	70	467	80	474	21	311	106	160	35
STD SO-19	Standard	60.49	13.95	7.37	2.89	5.98	4.13	1.26	0.70	0.33	0.13	0.498	73	476	83	478	23	318	108	169	37
STD OREAS279 Expected																					
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD DS11 Expected																					
STD OREAS262 Expected																					
STD SO-19 Expected		61.13	13.95	7.47	2.88	6	4.11	1.29	0.69	0.32	0.13	0.5	69	486	75	470	24	317.1	112	161	35.5
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	0.04	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<5	<5	<5	<20	<20	<2	<5	<30	<3
BLK	Blank																				
BLK	Blank	0.03	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<5	<5	<5	<20	<20	<2	<5	<30	<3
BLK	Blank	0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<5	<5	<5	<20	<20	<2	<5	<30	<3
BLK	Blank																				
BLK	Blank	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	6	<5	<5	<20	<20	<2	<5	<30	<3

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_3
Report Date: February 13, 2023

QUALITY CONTROL REPORT VAN22003531.1

		LF300 Nb ppm 5	LF300 Sc ppm 1	LF300 LOI % -5.1	LF300 Sum % 0.01	TC000 TOT/C % 0.02	TC000 TOT/S % 0.02	AQ250 Mo ppm 0.01	AQ250 Cu ppm 0.01	AQ250 Pb ppm 0.01	AQ250 Zn ppm 0.1	AQ250 Ag ppb 2	AQ250 Ni ppm 0.1	AQ250 Co ppm 0.1	AQ250 Mn ppm 1	AQ250 Fe % 0.01	AQ250 As ppm 0.1	AQ250 U ppm 0.1	AQ250 Au ppb 0.2	AQ250 Th ppm 0.1	AQ250 Sr ppm 0.5
STD SO-19	Standard	79	27	1.9	99.90																
STD SO-19	Standard	73	27	1.9	99.90																
STD SO-19	Standard	76	27	1.9	99.89																
STD SO-19	Standard	70	27	1.9	99.89																
STD SO-19	Standard	71	26	1.9	99.89																
STD SO-19	Standard	73	27	1.9	99.88																
STD SO-19	Standard	78	27	1.9	99.89																
STD SO-19	Standard	77	27	1.9	99.88																
STD SO-19	Standard	73	26	1.9	99.90																
STD SO-19	Standard	79	27	1.9	99.91																
STD OREAS279 Expected						1.13	1.27														
STD GS311-1 Expected						1.02	2.35														
STD GS910-4 Expected						2.65	8.27														
STD DS11 Expected								13.9	149	138	345	1710	77.7	14.2	1055	3.1	42.8	2.59	79	7.65	67.3
STD OREAS262 Expected								0.68	118	56	154	450	62	26.9	530	3.284	35.8	1.22	65	9.33	36
STD SO-19 Expected		68.5	27																		
BLK	Blank					<0.02	<0.02														
BLK	Blank					<0.02	<0.02														
BLK	Blank					<0.02	<0.02														
BLK	Blank					<0.02	<0.02														
BLK	Blank					<0.02	<0.02														
BLK	Blank					<0.02	<0.02														
BLK	Blank					<0.02	<0.02														
BLK	Blank	<5	<1	0.0	0.04																
BLK	Blank							<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	0.1	<0.1	<0.2	<0.1	<0.5
BLK	Blank	<5	<1	0.0	0.04																
BLK	Blank	<5	<1	0.0	<0.01																
BLK	Blank							<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	0.01	<0.1	<0.1	<0.2	<0.1	<0.5
BLK	Blank	<5	<1	0.0	<0.01																

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_3
Report Date: February 13, 2023

QUALITY CONTROL REPORT VAN22003531.1

		AQ250 Cd ppm 0.01	AQ250 Sb ppm 0.02	AQ250 Bi ppm 0.02	AQ250 V ppm 1	AQ250 Ca % 0.01	AQ250 P % 0.001	AQ250 La ppm 0.5	AQ250 Cr ppm 0.5	AQ250 Mg % 0.01	AQ250 Ba ppm 0.5	AQ250 Ti % 0.001	AQ250 B ppm 20	AQ250 Al % 0.01	AQ250 Na % 0.001	AQ250 K % 0.01	AQ250 W ppm 0.1	AQ250 Sc ppm 0.1	AQ250 Tl ppm 0.02	AQ250 S % 0.02	AQ250 Hg ppb 5
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD OREAS279 Expected																					
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD DS11 Expected		2.37	7.2	12.2	50	1.063	0.0701	18.6	61.5	0.85	417	0.0976		1.129	0.0694	0.4	2.9	3.1	4.9	0.2835	260
STD OREAS262 Expected		0.61	3.39	1.03	22.5	2.98	0.04	15.9	41.7	1.17	248	0.003		1.3	0.071	0.312	0.13	3.24	0.47	0.269	170
STD SO-19 Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<0.02	<0.02	<1	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<0.02	<0.02	<1	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5
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: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_3
Report Date: February 13, 2023

QUALITY CONTROL REPORT VAN22003531.1

		AQ250 Se ppm 0.1	AQ250 Te ppm 0.02	AQ250 Ga ppm 0.1	AQ250 Cs ppm 0.02	AQ250 Ge ppm 0.1	AQ250 Hf ppm 0.02	AQ250 Nb ppm 0.02	AQ250 Rb ppm 0.1	AQ250 Sn ppm 0.1	AQ250 Ta ppm 0.05	AQ250 Zr ppm 0.1	AQ250 Y ppm 0.01	AQ250 Ce ppm 0.1	AQ250 In ppm 0.02	AQ250 Re ppb 1	AQ250 Be ppm 0.1	AQ250 Li ppm 0.1	AQ250 Pd ppb 10	AQ250 Pt ppb 2
STD SO-19	Standard																			
STD SO-19	Standard																			
STD SO-19	Standard																			
STD SO-19	Standard																			
STD SO-19	Standard																			
STD SO-19	Standard																			
STD SO-19	Standard																			
STD SO-19	Standard																			
STD SO-19	Standard																			
STD SO-19	Standard																			
STD OREAS279 Expected																				
STD GS311-1 Expected																				
STD GS910-4 Expected																				
STD DS11 Expected		2.2	4.56	4.7	2.88	0.08	0.06	1.2	33.6	1.8		2.4	7.82	37	0.24	50	0.67	23.3	100	172
STD OREAS262 Expected		0.4	0.23	3.9	2.8		0.17		18.6	0.5		7.7	11.2	32	0.033		1.14	17.8		
STD SO-19 Expected																				
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank																			
BLK	Blank																			
BLK	Blank	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank																			

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_3
Report Date: February 13, 2023

QUALITY CONTROL REPORT VAN22003531.1

		LF300 SiO2 % 0.01	LF300 Al2O3 % 0.01	LF300 Fe2O3 % 0.04	LF300 MgO % 0.01	LF300 CaO % 0.01	LF300 Na2O % 0.01	LF300 K2O % 0.01	LF300 TiO2 % 0.01	LF300 P2O5 % 0.01	LF300 MnO % 0.01	LF300 Cr2O3 % 0.002	LF300 Cu ppm 5	LF300 Ba ppm 5	LF300 Zn ppm 5	LF300 Ni ppm 20	LF300 Co ppm 20	LF300 Sr ppm 2	LF300 Zr ppm 5	LF300 Ce ppm 30	LF300 Y ppm 3
BLK	Blank																				
BLK	Blank																				
BLK	Blank	0.04	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<5	<5	<5	<20	<20	<2	<5	<30	<3
BLK	Blank	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<5	<5	<5	<20	<20	<2	<5	<30	<3
BLK	Blank	0.02	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	13	<5	13	<20	<20	<2	<5	<30	<3
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<5	<5	<5	<20	<20	<2	<5	<30	<3
BLK	Blank	0.02	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<5	<5	<5	<20	<20	<2	<5	<30	<3

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Project: CICGR22_TILL_RE_3
Report Date: February 13, 2023

QUALITY CONTROL REPORT VAN22003531.1

		LF300 Nb ppm 5	LF300 Sc ppm 1	LF300 LOI % -5.1	LF300 Sum % 0.01	TC000 TOT/C % 0.02	TC000 TOT/S % 0.02	AQ250 Mo ppm 0.01	AQ250 Cu ppm 0.01	AQ250 Pb ppm 0.01	AQ250 Zn ppm 0.1	AQ250 Ag ppb 2	AQ250 Ni ppm 0.1	AQ250 Co ppm 0.1	AQ250 Mn ppm 1	AQ250 Fe % 0.01	AQ250 As ppm 0.1	AQ250 U ppm 0.1	AQ250 Au ppb 0.2	AQ250 Th ppm 0.1	AQ250 Sr ppm 0.5
BLK	Blank							<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5
BLK	Blank							<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	0.2	<0.1	<0.2	<0.1	<0.5
BLK	Blank	<5	<1	0.0	0.02																
BLK	Blank	<5	<1	0.0	<0.01																
BLK	Blank	<5	<1	0.0	0.01																
BLK	Blank							<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5
BLK	Blank							<0.01	<0.01	0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5
BLK	Blank							<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5
BLK	Blank	<5	<1	0.0	<0.01																
BLK	Blank	<5	<1	0.0	0.02																

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_3
Report Date: February 13, 2023

QUALITY CONTROL REPORT VAN22003531.1

		AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg
		ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb
		0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5
BLK	Blank	<0.01	<0.02	<0.02	<1	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	8
BLK	Blank	<0.01	<0.02	<0.02	<1	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<0.02	<0.02	<1	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	9
BLK	Blank	<0.01	<0.02	<0.02	<1	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5
BLK	Blank	<0.01	<0.02	<0.02	<1	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5
BLK	Blank																				
BLK	Blank																				

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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: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_3
Report Date: February 13, 2023

QUALITY CONTROL REPORT VAN22003531.1

		AQ250 Se ppm 0.1	AQ250 Te ppm 0.02	AQ250 Ga ppm 0.1	AQ250 Cs ppm 0.02	AQ250 Ge ppm 0.1	AQ250 Hf ppm 0.02	AQ250 Nb ppm 0.02	AQ250 Rb ppm 0.1	AQ250 Sn ppm 0.1	AQ250 Ta ppm 0.05	AQ250 Zr ppm 0.1	AQ250 Y ppm 0.01	AQ250 Ce ppm 0.1	AQ250 In ppm 0.02	AQ250 Re ppb 1	AQ250 Be ppm 0.1	AQ250 Li ppm 0.1	AQ250 Pd ppb 10	AQ250 Pt ppb 2
BLK	Blank	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	0.3	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	0.2	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
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: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Submitted By:	Wayne Jackaman
Receiving Lab:	Canada-Vancouver
Received:	November 04, 2019
Analysis Start:	November 08, 2019
Report Date:	January 14, 2020
Page:	1 of 10

CERTIFICATE OF ANALYSIS VAN19002940A.2

CLIENT JOB INFORMATION

Project:	BG_RE_01
Shipment ID:	
P.O. Number	
Number of Samples:	248

SAMPLE DISPOSAL

PICKUP-PLP Client to Pickup Pulps

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
SLBHP	248	Sorting, labeling and boxing samples received as pulps			VAN
AQ250_EXT	248	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	0.5	Completed	VAN
LF302-EXT	248	LiBO2/LiB4O7 fusion ICP-ES analysis	0.2	Completed	VAN

ADDITIONAL COMMENTS

Version 2 : LF302-EXT included.

Invoice To: Noble Exploration Services Ltd.
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1
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: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002940A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
09-GBC-001	Till	0.38	22.24	5.03	53.6	36	32.0	7.8	265	2.11	3.0	0.8	2.3	3.8	28.6	0.12	0.19	0.09	49	0.42	0.093
09-GBC-002	Till	0.85	55.48	8.23	80.7	29	74.1	14.9	603	3.30	9.8	0.8	2.7	4.7	43.2	0.33	0.49	0.15	74	0.57	0.106
09-GBC-003 DUP of 09-GBC-012	Pulp DUP	0.87	38.76	7.99	66.8	23	47.9	14.1	405	2.81	4.3	1.9	0.9	5.3	23.3	0.24	0.23	0.25	67	0.43	0.141
09-GBC-004	Rock Pulp	0.84	74.11	10.55	78.3	92	40.5	15.4	359	3.84	6.8	0.8	7.1	9.3	25.6	0.10	0.26	0.23	54	0.25	0.072
09-GBC-005	Till	0.87	55.71	8.61	94.8	82	86.5	17.6	706	3.47	9.8	0.7	2.4	4.3	45.7	0.43	0.49	0.14	80	0.70	0.107
09-GBC-006	Till	0.89	52.55	8.34	90.1	71	76.2	17.3	649	3.54	8.7	0.7	2.5	4.6	46.2	0.43	0.48	0.16	79	0.68	0.108
09-GBC-007	Till	0.88	55.43	9.23	91.7	52	78.6	17.2	622	3.66	8.8	0.8	2.6	4.5	43.0	0.28	0.45	0.17	81	0.60	0.104
09-GBC-008	Till	1.02	55.95	8.75	96.8	91	87.1	15.4	611	3.41	9.1	0.8	2.6	3.9	41.3	0.36	0.52	0.17	80	0.53	0.094
09-GBC-009	Till	0.73	53.65	7.74	78.0	34	68.7	14.8	537	3.42	9.3	0.9	2.0	4.1	36.7	0.25	0.47	0.17	77	0.45	0.081
09-GBC-010	Till	0.88	48.46	8.72	81.6	44	66.6	14.3	562	3.12	7.6	1.0	2.3	4.6	39.7	0.25	0.44	0.19	74	0.57	0.110
09-GBC-011	Till	0.99	41.04	8.20	78.1	35	53.5	14.4	452	2.89	5.0	1.9	5.5	6.4	29.8	0.28	0.24	0.33	69	0.35	0.082
09-GBC-012	Till	0.90	41.72	8.88	72.4	23	51.8	14.4	428	2.88	4.7	2.2	0.9	5.7	25.4	0.28	0.24	0.26	68	0.42	0.140
09-GBC-013	Till	1.68	50.90	14.09	98.8	78	60.2	17.3	701	3.57	7.6	1.7	4.0	6.7	42.2	0.36	0.36	0.40	79	0.57	0.116
09-GBC-014	Till	1.20	41.38	12.13	82.7	62	46.5	13.5	565	3.17	5.4	2.6	1.7	7.5	33.7	0.27	0.27	0.41	63	0.47	0.093
09-GBC-015	Till	0.97	62.14	10.64	101.5	78	96.7	18.5	722	3.72	10.0	0.9	2.8	4.7	47.0	0.48	0.41	0.20	85	0.58	0.099
09-GBC-016	Till	2.07	63.31	9.93	124.4	47	63.6	13.7	473	3.57	7.1	1.8	1.7	4.8	45.1	0.39	0.24	0.36	98	0.57	0.096
09-GBC-017	Till	1.05	67.02	11.27	111.4	99	83.8	19.3	610	3.96	8.9	1.5	1.9	5.3	47.1	0.24	0.29	0.36	90	0.63	0.100
09-GBC-018	Till	0.79	38.51	8.33	87.1	49	73.7	15.7	686	2.98	5.8	0.9	7.6	4.4	29.6	0.32	0.38	0.16	68	0.42	0.098
09-GBC-019	Till	0.60	37.62	6.49	62.0	17	56.7	11.9	384	2.68	6.8	0.8	1.8	4.0	34.6	0.24	0.41	0.13	59	0.46	0.085
09-GBC-020	Till	0.94	46.51	9.83	84.0	26	72.6	16.3	546	3.28	8.3	1.0	2.0	4.8	41.0	0.28	0.44	0.19	75	0.48	0.095
09-GBC-021 DUP of 09-GBC-030	Pulp DUP	0.63	26.92	5.34	49.8	34	51.7	8.0	277	2.18	4.3	0.8	2.5	3.0	31.0	0.18	0.32	0.10	55	0.45	0.094
09-GBC-022	Rock Pulp	1.41	102.29	5.60	80.2	94	44.1	26.2	1068	4.73	18.1	0.9	3.2	1.3	59.1	0.29	0.19	0.19	148	1.46	0.078
09-GBC-023	Till	0.69	46.76	8.02	75.8	28	98.3	16.8	785	3.16	7.8	0.8	1.9	3.9	40.6	0.26	0.48	0.12	72	0.57	0.100
09-GBC-024	Till	0.96	57.93	10.99	103.2	90	109.4	20.0	937	3.56	9.8	0.7	3.2	3.8	50.9	0.56	0.44	0.16	83	0.89	0.107
09-GBC-025	Till	1.63	60.40	9.26	109.8	101	129.3	21.2	751	3.56	11.7	0.7	1.9	3.9	77.1	0.70	0.60	0.18	84	1.85	0.105
09-GBC-026	Till	1.08	63.16	9.84	101.3	71	96.1	16.3	622	3.73	10.0	1.1	2.0	4.5	45.3	0.21	0.44	0.22	89	0.67	0.103
09-GBC-027	Till	0.72	49.67	6.29	72.6	42	91.0	12.4	443	2.89	8.7	0.8	1.9	3.4	37.4	0.23	0.45	0.13	70	0.58	0.094
09-GBC-028	Till	0.96	40.16	6.66	68.8	96	74.8	15.1	605	2.55	7.7	0.9	2.6	3.2	70.3	0.56	0.52	0.16	65	1.99	0.113
09-GBC-029	Till	1.31	52.65	9.74	95.0	118	106.9	18.3	772	3.21	9.0	0.9	3.4	3.7	48.2	0.80	0.56	0.21	77	0.82	0.120
09-GBC-030	Till	0.61	26.66	5.33	47.3	33	50.4	8.1	273	2.14	4.2	0.8	1.0	3.0	33.1	0.19	0.28	0.11	55	0.45	0.087

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002940A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
09-GBC-001	Till	14.9	54.4	0.71	98.1	0.130	<20	1.51	0.010	0.17	<0.1	3.9	0.17	<0.02	32	<0.1	<0.02	5.0	1.13	<0.1	0.03
09-GBC-002	Till	17.1	78.2	0.84	190.4	0.131	<20	1.86	0.015	0.18	0.1	7.4	0.23	<0.02	92	0.1	0.03	6.0	1.35	<0.1	0.14
09-GBC-003 DUP of 09-GBC-012	Pulp DUP	14.9	72.2	0.76	132.1	0.136	<20	2.50	0.009	0.28	0.3	4.8	0.39	<0.02	53	0.3	0.03	6.2	4.19	<0.1	0.03
09-GBC-004	Rock Pulp	29.9	51.9	0.89	51.7	0.069	<20	2.19	0.008	0.12	<0.1	4.7	0.14	<0.02	50	0.3	0.07	5.6	1.06	<0.1	<0.02
09-GBC-005	Till	15.2	74.9	1.01	199.0	0.133	<20	1.97	0.019	0.22	<0.1	7.7	0.24	<0.02	112	0.1	0.04	6.2	1.40	<0.1	0.22
09-GBC-006	Till	15.6	72.9	0.97	190.1	0.144	<20	2.06	0.019	0.29	<0.1	7.4	0.27	<0.02	104	0.2	0.05	6.3	1.62	<0.1	0.15
09-GBC-007	Till	15.4	79.6	0.94	196.2	0.151	<20	2.18	0.016	0.33	<0.1	7.8	0.32	<0.02	91	0.1	0.03	7.1	1.89	<0.1	0.17
09-GBC-008	Till	16.3	85.0	0.90	203.6	0.128	<20	2.10	0.015	0.18	0.1	8.4	0.23	<0.02	143	0.3	0.03	6.4	1.44	<0.1	0.06
09-GBC-009	Till	15.9	77.8	0.91	198.5	0.142	<20	2.24	0.012	0.25	0.1	7.4	0.26	<0.02	116	0.2	0.03	6.5	1.65	<0.1	0.05
09-GBC-010	Till	17.6	74.5	0.80	207.3	0.132	<20	2.06	0.013	0.20	0.1	8.2	0.25	<0.02	99	0.2	0.03	6.2	1.64	<0.1	0.07
09-GBC-011	Till	20.3	65.6	0.77	162.5	0.154	<20	2.13	0.011	0.26	0.2	5.8	0.36	<0.02	48	0.4	0.03	7.2	3.10	<0.1	0.03
09-GBC-012	Till	15.8	77.1	0.79	139.9	0.140	<20	2.47	0.009	0.29	0.2	5.0	0.41	<0.02	46	0.3	0.02	6.8	4.39	<0.1	0.03
09-GBC-013	Till	23.2	61.2	0.75	224.1	0.108	<20	2.29	0.013	0.16	0.1	8.1	0.25	<0.02	67	0.3	0.04	6.6	2.28	<0.1	0.12
09-GBC-014	Till	23.0	55.8	0.67	201.7	0.123	<20	2.11	0.012	0.25	0.1	6.6	0.32	<0.02	45	0.2	0.03	6.5	3.08	<0.1	0.08
09-GBC-015	Till	18.1	90.2	1.03	268.7	0.153	<20	2.38	0.015	0.30	<0.1	8.9	0.31	<0.02	138	0.2	0.04	7.4	1.90	<0.1	0.10
09-GBC-016	Till	15.2	88.3	1.02	216.3	0.141	<20	2.79	0.014	0.33	0.2	8.0	0.36	<0.02	50	0.6	0.05	8.7	3.06	<0.1	0.04
09-GBC-017	Till	17.3	91.7	1.16	290.6	0.169	<20	2.85	0.016	0.47	0.2	8.6	0.39	<0.02	50	0.2	0.05	9.1	3.11	<0.1	0.10
09-GBC-018	Till	16.3	74.1	0.84	172.8	0.136	<20	1.96	0.007	0.22	<0.1	5.8	0.25	<0.02	55	0.5	0.03	5.8	1.80	<0.1	0.03
09-GBC-019	Till	16.5	66.5	0.66	139.6	0.121	<20	1.53	0.009	0.17	<0.1	5.5	0.17	<0.02	87	0.1	<0.02	4.3	1.04	<0.1	0.05
09-GBC-020	Till	17.7	72.3	0.79	184.2	0.141	<20	2.10	0.012	0.29	0.1	7.1	0.25	<0.02	137	0.2	0.03	6.3	1.70	<0.1	0.08
09-GBC-021 DUP of 09-GBC-030	Pulp DUP	14.0	64.1	0.67	109.0	0.121	<20	1.29	0.011	0.07	<0.1	4.7	0.12	<0.02	68	<0.1	<0.02	4.1	0.75	<0.1	0.06
09-GBC-022	Rock Pulp	6.8	54.5	1.17	63.0	0.277	<20	3.00	0.035	0.06	<0.1	7.9	0.06	0.17	92	1.1	0.08	8.5	0.58	<0.1	0.12
09-GBC-023	Till	15.7	79.0	0.83	190.5	0.122	<20	1.65	0.015	0.13	<0.1	7.4	0.22	<0.02	146	0.1	0.03	5.1	1.02	<0.1	0.07
09-GBC-024	Till	16.0	85.7	1.12	269.2	0.127	<20	2.05	0.021	0.16	<0.1	8.1	0.25	<0.02	154	0.2	0.03	6.6	1.42	<0.1	0.06
09-GBC-025	Till	15.1	93.0	1.35	250.2	0.126	<20	1.82	0.026	0.19	<0.1	8.3	0.32	<0.02	595	0.2	0.04	5.8	1.26	<0.1	0.15
09-GBC-026	Till	17.2	93.2	0.98	278.0	0.133	<20	2.34	0.018	0.17	<0.1	9.4	0.26	<0.02	208	0.2	0.04	6.8	1.47	<0.1	0.10
09-GBC-027	Till	14.8	76.3	0.83	194.0	0.118	<20	1.70	0.015	0.10	<0.1	7.7	0.18	<0.02	176	<0.1	0.03	4.5	0.92	<0.1	0.06
09-GBC-028	Till	13.1	61.7	0.91	144.8	0.104	<20	1.16	0.019	0.12	<0.1	5.6	0.17	<0.02	145	0.3	0.02	3.9	0.92	<0.1	0.17
09-GBC-029	Till	16.0	75.4	1.10	203.0	0.117	<20	1.77	0.021	0.19	0.1	7.7	0.24	<0.02	191	0.2	0.04	5.2	1.44	<0.1	0.13
09-GBC-030	Till	13.9	65.0	0.66	109.3	0.120	<20	1.28	0.011	0.08	<0.1	4.6	0.12	<0.02	69	<0.1	<0.02	3.8	0.74	<0.1	0.05

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002940A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%	%	%	%	%	%
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01
09-GBC-001	Till	0.69	21.3	0.3	<0.05	1.1	5.96	28.4	<0.02	<1	0.3	16.3	<10	<2	68.29	13.60	4.17	1.96	2.33	2.60	2.14
09-GBC-002	Till	0.14	16.9	0.7	<0.05	5.6	11.39	31.6	0.03	<1	0.6	15.1	<10	2	65.69	13.48	5.91	2.19	2.42	2.34	1.93
09-GBC-003 DUP of 09-GBC-012	Pulp DUP	1.16	44.1	1.4	<0.05	1.4	6.19	30.1	0.02	<1	0.8	29.2	<10	<2	64.19	14.57	5.22	2.27	2.36	2.15	2.25
09-GBC-004	Rock Pulp	0.37	12.5	0.1	<0.05	0.9	6.26	70.1	<0.02	<1	0.4	31.9	<10	<2	62.58	16.13	6.74	2.14	1.25	1.70	2.87
09-GBC-005	Till	0.07	19.1	0.6	<0.05	7.1	10.44	29.4	0.03	<1	0.5	17.3	<10	<2	64.46	13.65	6.18	2.52	2.51	2.35	2.00
09-GBC-006	Till	0.11	25.3	0.6	<0.05	6.6	10.59	30.4	0.02	<1	0.6	18.4	<10	<2	63.83	14.13	6.30	2.45	2.52	2.34	2.16
09-GBC-007	Till	0.12	34.9	0.8	<0.05	6.4	10.48	30.0	0.03	<1	0.6	19.4	<10	<2	63.45	14.46	6.46	2.29	2.39	2.32	2.18
09-GBC-008	Till	0.23	18.6	1.4	<0.05	3.2	11.35	30.7	0.03	<1	0.5	17.9	<10	<2	64.75	13.70	5.90	2.23	2.01	2.25	1.97
09-GBC-009	Till	0.24	26.0	0.6	<0.05	2.9	9.13	30.1	0.03	<1	0.5	17.2	<10	<2	63.65	14.49	6.10	2.34	2.14	2.29	2.12
09-GBC-010	Till	0.42	18.8	1.1	<0.05	3.4	10.19	38.3	0.03	<1	0.7	17.2	<10	<2	64.96	13.90	5.54	2.13	2.38	2.33	2.06
09-GBC-011	Till	0.68	35.3	1.2	<0.05	1.2	8.79	42.6	0.02	<1	1.0	24.2	<10	<2	62.81	15.53	5.38	2.33	2.48	2.24	2.63
09-GBC-012	Till	1.09	46.5	1.0	<0.05	1.3	6.65	31.3	0.03	<1	0.8	30.5	<10	<2	64.09	14.62	5.18	2.27	2.38	2.17	2.25
09-GBC-013	Till	0.11	18.4	3.2	<0.05	6.3	13.54	47.4	0.03	<1	1.0	27.7	<10	<2	63.97	14.62	6.05	1.88	2.16	2.02	2.19
09-GBC-014	Till	0.20	31.0	2.4	<0.05	4.3	11.73	47.0	0.03	<1	0.9	26.9	<10	<2	63.84	15.59	5.50	1.69	2.10	2.32	2.45
09-GBC-015	Till	0.16	26.9	1.7	<0.05	5.3	12.55	33.5	0.04	<1	0.7	21.5	<10	<2	63.17	14.42	6.41	2.41	2.21	2.22	2.19
09-GBC-016	Till	0.28	38.8	1.7	<0.05	2.3	8.82	29.5	0.04	<1	1.0	25.1	<10	<2	59.48	15.71	6.45	2.78	2.69	1.96	2.48
09-GBC-017	Till	0.14	47.7	2.1	<0.05	4.8	13.72	32.5	0.03	<1	1.0	30.3	<10	<2	58.49	16.27	7.13	2.89	2.63	2.00	2.55
09-GBC-018	Till	0.39	25.6	1.7	<0.05	1.5	7.07	35.7	0.03	<1	0.5	17.9	<10	<2	65.22	14.23	5.48	2.24	2.21	2.35	2.14
09-GBC-019	Till	0.36	16.4	0.9	<0.05	1.9	8.63	32.2	<0.02	<1	0.4	12.2	<10	<2	67.79	13.14	5.06	1.91	2.50	2.54	1.90
09-GBC-020	Till	0.25	27.5	2.0	<0.05	4.2	9.21	36.1	0.03	<1	0.6	16.3	<10	<2	64.59	14.43	5.95	2.12	2.22	2.30	2.23
09-GBC-021 DUP of 09-GBC-030	Pulp DUP	0.27	7.9	0.6	<0.05	3.1	7.11	26.4	<0.02	<1	0.3	11.6	<10	<2	70.97	11.90	4.11	1.87	2.08	2.70	1.67
09-GBC-022	Rock Pulp	0.76	3.1	0.4	<0.05	4.6	10.28	15.7	0.03	1	0.4	7.8	<10	2	45.72	13.60	10.69	4.27	6.48	2.04	0.73
09-GBC-023	Till	0.17	11.8	0.8	<0.05	4.0	10.71	30.5	0.02	<1	0.5	12.3	<10	<2	67.24	12.70	5.52	2.14	2.39	2.47	1.77
09-GBC-024	Till	0.17	15.4	2.4	<0.05	3.4	12.18	30.6	0.03	<1	0.6	18.1	<10	2	63.85	13.29	5.98	2.60	2.65	2.31	1.81
09-GBC-025	Till	0.06	15.0	1.0	<0.05	5.8	11.40	28.8	0.03	<1	0.5	16.1	<10	<2	63.39	12.25	6.02	3.02	3.94	2.27	1.82
09-GBC-026	Till	0.11	15.7	1.8	<0.05	5.7	12.87	30.1	0.03	<1	0.7	18.2	<10	3	63.88	13.82	6.35	2.35	2.24	2.22	1.90
09-GBC-027	Till	0.15	8.6	0.8	<0.05	3.6	10.86	27.8	0.02	<1	0.5	11.2	<10	<2	67.88	12.44	5.24	2.18	2.36	2.53	1.69
09-GBC-028	Till	0.06	8.7	0.7	<0.05	5.7	9.36	24.9	0.02	<1	0.4	11.6	<10	<2	65.58	11.62	5.02	2.54	4.97	2.42	1.70
09-GBC-029	Till	0.15	14.4	2.1	<0.05	6.2	12.78	32.4	0.03	1	0.6	17.4	<10	<2	64.73	12.89	5.80	2.78	2.86	2.28	1.90
09-GBC-030	Till	0.23	7.9	0.6	<0.05	3.1	7.26	26.8	<0.02	<1	0.3	12.0	<10	<2	71.25	11.81	4.11	1.88	2.07	2.70	1.66

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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002940A.2

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
	Analyte	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
	Unit	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	MDL	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3	5	1	-5.1	0.01	0.02	0.02
09-GBC-001	Till	0.83	0.21	0.06	0.022	26	877	61	42	<20	316	255	73	23	15	13	3.6	99.95	0.41	<0.02
09-GBC-002	Till	0.80	0.23	0.10	0.026	56	936	87	80	<20	299	222	64	27	11	16	4.6	99.94	0.21	<0.02
09-GBC-003 DUP of 09-GBC-012	Pulp DUP	0.75	0.30	0.08	0.025	43	921	80	58	<20	239	260	74	28	12	13	5.6	99.94	0.81	<0.02
09-GBC-004	Rock Pulp	0.91	0.16	0.07	0.018	75	605	88	42	<20	219	370	112	32	18	16	5.2	99.94	0.42	<0.02
09-GBC-005	Till	0.80	0.24	0.11	0.024	58	955	100	92	<20	299	188	56	23	16	16	4.9	99.94	0.21	<0.02
09-GBC-006	Till	0.82	0.25	0.11	0.024	55	955	101	86	<20	301	205	66	25	8	16	4.8	99.94	0.22	<0.02
09-GBC-007	Till	0.81	0.23	0.10	0.025	58	927	101	83	<20	291	238	75	26	13	16	5.0	99.93	0.22	<0.02
09-GBC-008	Till	0.79	0.22	0.10	0.026	56	999	102	98	<20	270	176	63	24	9	15	5.8	99.94	0.52	<0.02
09-GBC-009	Till	0.82	0.20	0.09	0.026	56	955	91	76	<20	282	210	59	24	15	16	5.5	99.94	0.37	<0.02
09-GBC-010	Till	0.78	0.25	0.09	0.027	50	995	91	72	<20	285	225	73	26	11	15	5.3	99.94	0.49	<0.02
09-GBC-011	Till	0.80	0.19	0.09	0.022	41	1128	89	56	<20	250	293	115	34	13	15	5.2	99.93	0.68	<0.02
09-GBC-012	Till	0.75	0.31	0.08	0.024	45	920	78	59	<20	241	271	84	27	14	13	5.6	99.93	0.80	<0.02
09-GBC-013	Till	0.86	0.23	0.11	0.018	51	941	104	59	<20	251	294	87	32	16	16	5.6	99.94	0.36	<0.02
09-GBC-014	Till	0.78	0.22	0.09	0.016	42	844	90	57	<20	223	326	105	36	16	14	5.1	99.94	0.31	<0.02
09-GBC-015	Till	0.81	0.22	0.11	0.026	61	1025	106	100	<20	278	196	65	25	14	17	5.5	99.93	0.36	<0.02
09-GBC-016	Till	0.82	0.24	0.08	0.022	68	1591	141	73	<20	261	248	67	27	17	17	6.9	99.92	0.92	<0.02
09-GBC-017	Till	0.84	0.23	0.11	0.023	67	1069	122	90	22	261	215	80	29	17	18	6.5	99.92	0.40	<0.02
09-GBC-018	Till	0.83	0.23	0.11	0.026	42	924	96	77	<20	273	262	76	24	12	14	4.7	99.93	0.50	<0.02
09-GBC-019	Till	0.78	0.21	0.08	0.028	38	840	70	68	<20	309	258	65	27	9	14	3.8	99.95	0.30	<0.02
09-GBC-020	Till	0.80	0.24	0.10	0.026	51	967	93	79	<20	283	248	75	25	14	15	4.7	99.94	0.31	<0.02
09-GBC-021 DUP of 09-GBC-030	Pulp DUP	0.80	0.21	0.05	0.024	29	913	59	58	<20	297	146	47	20	11	12	3.4	99.95	0.31	<0.02
09-GBC-022	Rock Pulp	1.31	0.19	0.21	0.027	110	263	102	67	33	268	287	32	25	12	29	14.5	99.89	4.44	0.16
09-GBC-023	Till	0.77	0.22	0.12	0.033	46	934	81	109	<20	300	222	60	24	11	14	4.4	99.94	0.31	<0.02
09-GBC-024	Till	0.77	0.23	0.13	0.028	55	981	103	115	20	291	185	53	25	12	15	6.1	99.93	0.62	<0.02
09-GBC-025	Till	0.74	0.23	0.11	0.032	55	1018	111	130	<20	290	173	51	22	8	15	5.9	99.93	0.63	<0.02
09-GBC-026	Till	0.78	0.22	0.10	0.031	59	1064	103	104	<20	276	184	60	26	12	16	5.8	99.93	0.35	<0.02
09-GBC-027	Till	0.77	0.22	0.08	0.034	50	963	78	96	<20	299	179	52	24	12	15	4.3	99.94	0.33	<0.02
09-GBC-028	Till	0.79	0.27	0.11	0.032	42	916	79	84	21	341	201	55	24	12	14	4.7	99.94	0.68	<0.02
09-GBC-029	Till	0.75	0.26	0.12	0.029	53	1026	105	124	20	285	169	55	27	9	16	5.3	99.93	0.55	<0.02
09-GBC-030	Till	0.80	0.21	0.06	0.025	29	914	58	61	<20	294	144	41	20	11	12	3.2	99.95	0.31	<0.02

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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002940A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
09-GBC-031	Till	0.95	33.63	7.72	79.6	81	57.3	13.6	537	2.63	6.1	0.9	1.5	3.7	36.4	0.46	0.35	0.19	67	0.53	0.122
09-GBC-032	Till	1.18	58.16	10.60	106.8	133	102.5	21.1	815	3.64	9.6	1.0	2.3	4.4	69.9	0.70	0.39	0.28	87	1.95	0.114
09-GBC-033	Till	1.39	62.81	10.74	110.4	93	132.0	19.4	729	3.78	12.8	0.7	2.5	3.3	48.0	0.41	0.83	0.13	88	0.68	0.096
09-GBC-034	Till	1.06	50.69	8.58	89.7	81	134.7	21.3	702	3.09	10.5	0.6	2.0	2.7	80.8	0.62	0.65	0.11	75	2.43	0.093
09-GBC-035	Till	0.76	42.18	6.92	78.0	58	88.1	12.9	539	3.04	7.8	0.6	1.9	3.3	43.2	0.25	0.51	0.10	72	0.54	0.093
09-GBC-036	Till	1.85	64.38	12.25	113.4	280	118.1	24.6	932	4.22	14.7	0.8	1.8	4.0	95.6	0.79	0.86	0.18	95	2.26	0.105
09-GBC-037	Till	0.95	54.52	10.68	85.0	69	96.4	18.9	785	3.48	9.0	0.6	2.7	3.4	44.4	0.33	0.59	0.13	80	0.77	0.099
09-GBC-038	Till	0.79	39.27	8.34	65.6	54	79.6	14.0	674	2.80	6.6	0.5	3.3	2.7	40.6	0.34	0.56	0.08	73	0.75	0.094
09-GBC-039	Till	0.72	26.94	5.96	56.3	36	56.1	12.3	462	2.63	5.3	0.5	3.1	2.5	31.5	0.14	0.38	0.08	69	0.45	0.063
09-GBC-040	Till	0.94	63.85	9.88	95.4	89	107.7	22.8	785	3.57	9.4	0.5	5.7	3.2	60.9	0.50	0.61	0.12	85	1.59	0.089
09-GBC-041 DUP of 09-GBC-048	Pulp DUP	0.42	24.56	4.92	47.7	14	46.6	9.1	337	2.18	4.6	0.7	1.0	3.2	28.8	0.15	0.24	0.08	57	0.45	0.073
09-GBC-042	Rock Pulp	0.68	47.96	14.63	70.0	227	19.8	13.8	1122	3.27	15.9	0.9	7.9	3.0	10.4	0.21	3.89	2.04	58	0.34	0.087
09-GBC-043	Till	0.55	21.95	6.05	68.4	28	41.1	9.9	302	2.50	3.8	1.2	1.3	4.3	26.8	0.14	0.15	0.13	56	0.42	0.081
09-GBC-044	Till	1.02	57.04	10.42	96.2	72	82.8	18.1	665	3.81	9.1	1.0	2.1	5.2	43.4	0.25	0.35	0.21	79	0.63	0.099
09-GBC-045	Till	0.91	46.47	7.67	80.8	66	76.4	15.6	590	3.04	9.1	0.7	1.5	4.0	54.9	0.41	0.46	0.16	69	1.25	0.099
09-GBC-046	Till	0.51	33.25	6.09	62.2	51	51.2	9.7	337	2.49	5.7	0.8	1.8	3.5	25.1	0.19	0.31	0.10	59	0.37	0.071
09-GBC-047	Till	0.65	29.26	5.66	56.2	39	42.2	13.3	498	2.77	9.3	0.5	4.9	2.9	25.1	0.25	0.42	0.09	67	0.36	0.078
09-GBC-048	Till	0.43	24.09	4.85	47.5	14	45.5	9.3	344	2.19	4.9	0.7	1.7	2.9	28.5	0.16	0.26	0.08	58	0.45	0.076
09-GBC-049	Till	0.55	31.22	6.18	58.4	39	50.4	10.2	431	2.54	6.5	0.6	1.4	3.4	29.2	0.27	0.33	0.09	64	0.44	0.093
09-GBC-050	Till	1.12	66.35	13.26	110.9	124	103.0	20.3	829	3.91	12.1	0.6	2.7	4.0	52.6	0.48	0.43	0.17	86	0.69	0.108
09-GBC-051	Till	0.85	65.56	9.39	95.5	116	109.1	18.2	707	3.83	11.8	0.7	2.9	3.4	43.6	0.22	0.50	0.13	85	0.67	0.097
09-GBC-052	Till	0.79	43.21	10.24	71.9	21	68.0	15.0	513	2.95	7.7	0.6	2.7	3.7	32.7	0.23	0.36	0.13	71	0.46	0.095
09-GBC-053	Till	1.48	57.22	12.80	94.5	146	96.3	19.5	772	3.35	10.4	0.8	2.7	4.2	62.8	0.58	0.53	0.19	77	1.73	0.108
09-GBC-054	Till	1.39	54.38	12.42	89.8	183	85.7	17.0	693	3.24	9.9	0.7	3.0	3.6	63.2	0.55	0.56	0.17	76	1.77	0.088
09-GBC-055	Till	0.84	32.35	6.83	63.2	104	67.9	11.3	314	2.55	6.4	0.7	2.6	2.4	20.5	0.21	0.33	0.11	61	0.29	0.066
09-GBC-056	Till	1.21	45.77	9.14	85.5	137	69.8	14.9	556	2.92	8.4	1.0	3.0	3.6	51.7	0.57	0.46	0.21	71	1.31	0.096
09-GBC-057	Till	0.89	35.00	5.80	58.7	58	69.8	10.8	365	2.63	6.4	0.7	1.7	3.3	24.3	0.16	0.34	0.12	66	0.38	0.076
09-GBC-058	Till	1.18	48.22	8.32	63.3	103	64.8	13.7	601	2.66	7.9	1.4	22.7	3.8	40.5	0.29	0.33	0.17	65	0.62	0.125
09-GBC-059	Till	1.36	62.09	9.25	100.7	165	99.2	19.3	811	3.44	9.0	0.7	1.5	3.7	48.4	0.67	0.45	0.23	85	1.14	0.116
09-GBC-060	Till	0.67	26.17	5.29	61.8	80	52.5	9.3	345	2.23	4.7	0.5	2.2	2.6	27.2	0.23	0.32	0.10	58	0.44	0.082

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Client: **Noble Exploration Services Ltd.**
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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002940A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
09-GBC-031	Till	16.2	64.9	0.74	142.4	0.114	<20	1.56	0.011	0.14	<0.1	5.5	0.19	<0.02	67	<0.1	<0.02	4.9	1.33	<0.1	0.03
09-GBC-032	Till	15.7	84.2	1.25	240.3	0.128	<20	2.23	0.021	0.27	<0.1	8.5	0.29	<0.02	141	<0.1	0.04	6.8	2.10	<0.1	0.10
09-GBC-033	Till	16.4	107.4	1.08	244.8	0.115	<20	1.85	0.018	0.10	<0.1	9.7	0.24	<0.02	178	0.2	0.05	5.5	1.14	<0.1	0.11
09-GBC-034	Till	13.1	99.5	1.37	211.0	0.109	<20	1.56	0.016	0.11	<0.1	7.2	0.25	<0.02	179	<0.1	0.03	4.4	0.95	<0.1	0.10
09-GBC-035	Till	17.3	86.1	0.78	174.5	0.127	<20	1.51	0.014	0.08	<0.1	7.7	0.13	<0.02	125	<0.1	0.02	4.8	0.74	<0.1	0.14
09-GBC-036	Till	15.2	93.3	1.44	237.3	0.117	<20	2.02	0.018	0.17	<0.1	9.2	0.29	<0.02	198	0.4	0.04	5.8	1.47	<0.1	0.11
09-GBC-037	Till	15.2	89.1	0.99	214.0	0.114	<20	1.76	0.021	0.10	<0.1	8.9	0.19	<0.02	133	<0.1	0.03	5.0	1.13	<0.1	0.15
09-GBC-038	Till	13.3	70.7	0.84	179.8	0.118	<20	1.40	0.020	0.07	<0.1	6.7	0.12	<0.02	121	<0.1	0.02	4.2	0.75	<0.1	0.12
09-GBC-039	Till	13.7	65.9	0.76	126.4	0.129	<20	1.41	0.014	0.07	<0.1	5.0	0.12	<0.02	47	<0.1	<0.02	4.2	0.94	<0.1	0.04
09-GBC-040	Till	12.6	86.6	1.34	225.3	0.123	<20	1.90	0.022	0.13	<0.1	9.4	0.22	<0.02	154	<0.1	0.03	5.6	1.30	<0.1	0.11
09-GBC-041 DUP of 09-GBC-048	Pulp DUP	14.1	58.5	0.70	113.7	0.124	<20	1.40	0.012	0.09	<0.1	4.6	0.12	<0.02	153	<0.1	<0.02	4.1	0.71	<0.1	0.06
09-GBC-042	Rock Pulp	19.3	30.6	0.57	77.4	0.090	<20	1.79	0.033	0.06	<0.1	5.0	0.13	0.02	79	0.1	0.02	6.1	0.64	<0.1	0.03
09-GBC-043	Till	15.7	58.8	0.79	119.1	0.139	<20	1.82	0.012	0.20	<0.1	4.7	0.19	<0.02	30	<0.1	<0.02	5.4	1.37	<0.1	0.04
09-GBC-044	Till	16.1	82.0	1.06	207.7	0.159	<20	2.39	0.021	0.40	0.1	7.7	0.37	<0.02	70	<0.1	0.04	7.7	2.33	<0.1	0.13
09-GBC-045	Till	14.3	65.9	0.89	188.6	0.130	<20	1.73	0.024	0.24	<0.1	6.8	0.25	<0.02	112	<0.1	0.03	5.5	1.39	<0.1	0.14
09-GBC-046	Till	13.1	59.8	0.68	127.3	0.120	<20	1.63	0.011	0.13	<0.1	4.8	0.18	<0.02	91	0.2	<0.02	4.8	1.02	<0.1	0.05
09-GBC-047	Till	11.8	65.9	0.85	73.9	0.136	<20	1.75	0.009	0.12	<0.1	4.1	0.13	<0.02	88	0.2	<0.02	4.6	0.86	<0.1	0.03
09-GBC-048	Till	13.8	57.5	0.70	113.4	0.128	<20	1.42	0.012	0.09	<0.1	4.4	0.12	<0.02	65	<0.1	<0.02	4.1	0.74	<0.1	0.04
09-GBC-049	Till	14.7	67.5	0.72	132.6	0.125	<20	1.53	0.011	0.09	<0.1	5.2	0.13	<0.02	86	<0.1	<0.02	4.5	0.76	<0.1	0.05
09-GBC-050	Till	16.1	93.2	1.09	274.3	0.133	<20	2.30	0.021	0.25	<0.1	9.0	0.25	<0.02	113	<0.1	0.04	6.7	1.54	<0.1	0.12
09-GBC-051	Till	14.8	91.5	1.03	231.5	0.116	<20	2.05	0.018	0.15	<0.1	8.9	0.21	<0.02	167	<0.1	0.03	5.8	1.07	<0.1	0.11
09-GBC-052	Till	13.3	73.2	0.74	165.9	0.124	<20	1.90	0.014	0.14	<0.1	6.5	0.18	<0.02	161	0.1	0.02	5.4	1.04	<0.1	0.07
09-GBC-053	Till	14.7	75.9	1.03	214.3	0.122	<20	1.81	0.025	0.20	0.1	7.7	0.23	<0.02	181	<0.1	0.04	5.5	1.33	<0.1	0.18
09-GBC-054	Till	12.9	67.9	0.99	189.2	0.111	24	1.74	0.025	0.18	0.2	7.9	0.22	<0.02	706	<0.1	<0.02	5.5	1.31	<0.1	0.17
09-GBC-055	Till	11.1	67.1	0.58	130.4	0.106	<20	1.97	0.010	0.09	<0.1	4.7	0.14	<0.02	105	0.2	0.02	5.1	0.86	<0.1	0.04
09-GBC-056	Till	14.3	65.9	0.91	172.7	0.117	<20	1.68	0.019	0.16	0.1	6.0	0.20	<0.02	135	0.2	0.03	5.2	1.30	<0.1	0.07
09-GBC-057	Till	13.5	67.0	0.68	135.1	0.107	<20	1.62	0.012	0.10	<0.1	5.4	0.15	<0.02	360	0.2	0.03	4.9	0.94	<0.1	0.04
09-GBC-058	Till	16.5	67.6	0.71	170.7	0.100	<20	1.59	0.017	0.12	0.1	6.7	0.21	<0.02	169	0.2	0.03	4.4	1.11	<0.1	0.05
09-GBC-059	Till	13.6	78.6	1.16	272.6	0.118	<20	1.95	0.023	0.19	<0.1	7.7	0.28	<0.02	172	<0.1	0.04	6.3	1.75	<0.1	0.12
09-GBC-060	Till	11.9	59.1	0.61	110.5	0.096	<20	1.22	0.012	0.07	<0.1	4.6	0.10	<0.02	97	<0.1	<0.02	4.0	0.69	<0.1	0.06

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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002940A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%	%	%	%	%	%
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01
09-GBC-031	Till	0.26	14.9	1.1	<0.05	1.5	8.98	33.0	0.02	<1	0.6	16.5	<10	<2	67.39	13.03	4.90	2.13	2.44	2.49	2.05
09-GBC-032	Till	0.06	23.6	1.8	<0.05	5.1	11.45	32.2	0.03	<1	0.7	22.6	<10	2	60.69	13.65	6.28	2.96	4.10	2.06	2.08
09-GBC-033	Till	0.08	6.9	2.0	<0.05	5.6	13.95	29.2	0.03	<1	0.5	14.7	<10	<2	65.69	12.49	6.36	2.54	2.11	2.31	1.68
09-GBC-034	Till	0.08	6.5	1.6	<0.05	4.7	9.76	25.3	0.03	<1	0.4	11.3	<10	<2	62.90	11.43	5.54	3.21	4.79	2.28	1.51
09-GBC-035	Till	0.06	5.3	0.5	<0.05	6.5	12.02	31.8	0.02	<1	0.4	10.6	<10	2	68.66	12.23	5.47	2.08	2.04	2.54	1.59
09-GBC-036	Till	0.05	10.4	2.0	<0.05	5.5	11.95	29.4	0.04	<1	0.5	16.7	<10	<2	60.19	12.78	7.03	3.17	4.28	2.01	1.90
09-GBC-037	Till	0.06	6.9	2.5	<0.05	7.3	11.90	29.9	0.04	<1	0.5	12.8	<10	<2	65.56	12.77	6.08	2.47	2.44	2.36	1.71
09-GBC-038	Till	0.18	5.1	1.3	<0.05	5.6	10.31	25.3	0.02	<1	0.3	9.3	<10	<2	68.21	11.86	5.11	2.34	2.75	2.56	1.61
09-GBC-039	Till	0.26	8.1	0.5	<0.05	1.9	6.53	29.6	0.02	<1	0.4	12.2	<10	<2	69.38	12.37	4.81	2.11	1.85	2.49	1.72
09-GBC-040	Till	0.04	8.1	2.8	<0.05	5.1	10.22	25.4	0.03	<1	0.4	12.6	<10	<2	62.38	12.44	6.50	3.27	3.80	2.13	1.64
09-GBC-041 DUP of 09-GBC-048	Pulp DUP	0.36	9.6	0.3	<0.05	2.3	6.24	27.9	<0.02	<1	0.3	11.8	<10	<2	70.04	12.42	4.28	1.98	2.12	2.65	1.77
09-GBC-042	Rock Pulp	1.00	6.5	0.8	<0.05	0.9	12.50	54.1	0.06	<1	0.5	9.9	<10	<2	61.10	13.32	6.86	2.12	2.63	2.68	2.06
09-GBC-043	Till	0.77	25.5	0.8	<0.05	1.5	6.43	30.8	0.02	<1	0.5	22.3	<10	<2	66.57	14.27	4.71	2.14	2.23	2.45	2.24
09-GBC-044	Till	0.13	42.2	1.7	<0.05	5.6	10.79	31.2	0.03	<1	0.7	24.6	<10	<2	61.01	15.47	6.85	2.57	2.43	2.07	2.42
09-GBC-045	Till	0.12	22.2	0.9	<0.05	5.8	9.71	26.7	0.02	<1	0.5	15.5	<10	<2	64.73	13.26	5.65	2.31	3.47	2.35	1.98
09-GBC-046	Till	0.53	15.0	0.9	<0.05	2.0	6.62	26.2	0.02	<1	0.4	12.9	<10	<2	67.84	13.47	4.68	1.91	2.12	2.50	1.98
09-GBC-047	Till	0.64	11.9	0.2	<0.05	1.6	5.17	24.4	<0.02	<1	0.3	13.2	<10	<2	66.71	13.52	5.24	2.28	2.19	2.64	1.89
09-GBC-048	Till	0.37	9.4	0.2	<0.05	1.9	6.20	28.2	0.02	<1	0.3	12.7	<10	<2	70.15	12.44	4.25	1.99	2.12	2.63	1.77
09-GBC-049	Till	0.40	9.6	0.8	<0.05	2.2	7.15	28.4	<0.02	<1	0.3	11.3	<10	<2	69.04	12.45	4.71	1.99	2.17	2.59	1.72
09-GBC-050	Till	0.09	20.2	4.0	<0.05	5.8	12.64	30.7	0.03	<1	0.5	18.3	<10	<2	62.87	14.11	6.82	2.53	2.33	2.20	1.98
09-GBC-051	Till	0.11	10.6	2.7	<0.05	5.7	11.84	26.7	0.03	<1	0.5	14.0	<10	<2	64.03	13.45	6.58	2.42	2.28	2.32	1.72
09-GBC-052	Till	0.35	12.9	5.1	<0.05	2.9	6.49	26.6	0.03	<1	0.5	13.1	<10	<2	67.26	13.06	5.21	1.95	2.12	2.39	1.82
09-GBC-053	Till	0.07	15.7	4.6	<0.05	7.1	10.40	28.3	0.04	<1	0.5	15.7	<10	<2	63.59	12.74	5.92	2.49	3.97	2.23	1.85
09-GBC-054	Till	0.09	15.2	5.3	<0.05	6.4	9.08	29.1	<0.02	<1	0.5	13.6	<10	<2	63.52	12.63	5.86	2.46	4.09	2.29	1.90
09-GBC-055	Till	0.93	12.2	1.7	<0.05	2.0	5.07	21.6	0.03	<1	0.5	12.0	<10	<2	66.71	12.78	4.78	1.74	1.87	2.28	1.66
09-GBC-056	Till	0.23	15.0	2.6	<0.05	3.2	9.24	27.6	0.02	<1	0.5	17.2	<10	3	65.46	12.68	5.27	2.32	3.33	2.34	1.92
09-GBC-057	Till	0.47	12.0	0.3	<0.05	2.1	6.45	25.9	0.02	<1	0.4	13.4	<10	2	69.10	12.41	4.75	1.85	1.97	2.43	1.76
09-GBC-058	Till	0.18	12.5	1.4	<0.05	2.9	11.88	32.2	0.02	<1	0.6	14.7	<10	<2	67.06	12.81	4.94	2.16	2.66	2.33	1.89
09-GBC-059	Till	0.06	15.4	1.5	<0.05	6.1	10.81	26.4	0.03	<1	0.7	20.6	<10	2	61.91	13.60	6.24	2.85	3.29	2.22	1.91
09-GBC-060	Till	0.25	7.7	0.4	<0.05	3.2	6.89	22.9	<0.02	<1	0.4	10.6	<10	<2	70.73	11.44	4.37	1.85	2.12	2.48	1.61

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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002940A.2

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
	Analyte	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
	Unit	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	MDL	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3	5	1	-5.1	0.01	0.02	0.02
09-GBC-031	Till	0.84	0.27	0.09	0.025	36	1045	84	66	<20	290	213	64	25	15	14	4.1	99.94	0.51	<0.02
09-GBC-032	Till	0.76	0.24	0.12	0.027	59	1041	114	108	<20	273	182	57	25	15	16	6.7	99.92	0.74	<0.02
09-GBC-033	Till	0.78	0.22	0.11	0.036	62	1003	107	140	<20	269	150	50	24	11	16	5.4	99.93	0.30	<0.02
09-GBC-034	Till	0.73	0.21	0.10	0.032	52	941	97	158	22	296	133	41	20	8	15	7.0	99.93	1.01	<0.02
09-GBC-035	Till	0.87	0.22	0.09	0.034	41	906	80	101	<20	280	175	56	25	14	15	3.9	99.94	0.17	<0.02
09-GBC-036	Till	0.75	0.24	0.13	0.027	63	957	117	125	26	296	154	49	22	9	16	7.2	99.92	0.77	0.02
09-GBC-037	Till	0.80	0.23	0.12	0.030	54	939	96	109	22	285	156	41	23	7	17	5.2	99.94	0.25	<0.02
09-GBC-038	Till	0.77	0.22	0.11	0.030	44	885	75	88	<20	311	161	40	21	7	16	4.2	99.93	0.42	<0.02
09-GBC-039	Till	0.89	0.16	0.08	0.024	32	960	65	74	<20	277	161	49	19	11	13	3.9	99.94	0.31	<0.02
09-GBC-040	Till	0.76	0.22	0.13	0.031	67	941	104	122	25	284	137	46	21	<5	18	6.4	99.91	0.47	<0.02
09-GBC-041 DUP of 09-GBC-048	Pulp DUP	0.87	0.18	0.07	0.028	27	929	57	57	<20	307	202	45	20	12	13	3.4	99.95	0.27	<0.02
09-GBC-042	Rock Pulp	0.97	0.21	0.18	0.009	48	671	93	25	<20	291	480	75	32	7	13	7.6	99.95	1.96	<0.02
09-GBC-043	Till	0.88	0.19	0.06	0.022	28	924	84	52	<20	285	255	54	23	12	14	4.0	99.94	0.45	<0.02
09-GBC-044	Till	0.83	0.23	0.11	0.023	62	943	107	85	22	274	246	65	27	13	17	5.7	99.94	0.27	<0.02
09-GBC-045	Till	0.76	0.24	0.10	0.026	50	921	92	81	<20	314	206	59	24	9	15	4.9	99.94	0.42	<0.02
09-GBC-046	Till	0.78	0.18	0.07	0.027	37	903	72	59	<20	297	228	58	23	11	13	4.2	99.95	0.50	<0.02
09-GBC-047	Till	0.86	0.18	0.09	0.024	31	914	69	57	<20	340	180	49	19	8	15	4.1	99.93	0.52	<0.02
09-GBC-048	Till	0.86	0.18	0.07	0.028	28	928	59	55	<20	307	195	52	20	12	13	3.3	99.95	0.27	<0.02
09-GBC-049	Till	0.85	0.21	0.08	0.029	31	916	68	61	<20	312	200	54	20	13	14	3.9	99.95	0.43	<0.02
09-GBC-050	Till	0.80	0.25	0.12	0.027	66	1020	111	107	24	299	183	50	26	10	18	5.7	99.93	0.30	<0.02
09-GBC-051	Till	0.78	0.22	0.11	0.032	68	963	104	115	<20	297	169	45	24	11	17	5.8	99.94	0.28	<0.02
09-GBC-052	Till	0.80	0.20	0.09	0.031	43	912	77	75	<20	292	196	52	21	12	14	4.8	99.95	0.40	<0.02
09-GBC-053	Till	0.75	0.25	0.12	0.028	58	985	100	98	22	303	191	53	24	10	15	5.8	99.94	0.59	<0.02
09-GBC-054	Till	0.75	0.24	0.12	0.028	63	990	105	100	25	308	195	59	24	9	15	5.8	99.93	0.62	<0.02
09-GBC-055	Till	0.75	0.17	0.06	0.034	35	878	74	78	<20	268	201	50	18	10	12	6.9	99.94	1.45	<0.02
09-GBC-056	Till	0.76	0.22	0.09	0.026	46	982	94	73	<20	291	182	54	23	8	14	5.3	99.94	0.72	<0.02
09-GBC-057	Till	0.77	0.17	0.07	0.031	37	917	65	77	<20	274	215	57	21	11	13	4.5	99.96	0.56	<0.02
09-GBC-058	Till	0.77	0.27	0.10	0.028	49	1004	73	71	<20	322	206	54	28	12	15	4.7	99.94	0.67	<0.02
09-GBC-059	Till	0.75	0.28	0.12	0.026	62	1121	117	109	23	306	174	51	25	13	16	6.5	99.93	0.54	<0.02
09-GBC-060	Till	0.82	0.20	0.07	0.032	31	908	76	63	<20	280	205	<30	21	10	12	4.0	99.94	0.51	<0.02

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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002940A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
09-GBC-061 DUP of 09-GBC-072	Pulp DUP	1.03	43.15	5.34	81.6	51	56.3	10.8	403	2.64	9.3	0.6	5.5	2.6	33.4	0.38	0.58	0.08	69	0.40	0.093
09-GBC-062	Rock Pulp	15.47	249.31	37.12	58.6	174	14.8	6.5	271	3.36	103.7	2.6	5.8	12.6	9.3	0.14	0.47	45.71	41	0.12	0.077
09-GBC-063	Till	0.80	40.40	5.69	66.7	56	78.7	13.0	548	2.65	7.2	0.6	2.7	3.4	41.1	0.31	0.52	0.14	64	0.67	0.108
09-GBC-064	Till	0.85	61.49	8.17	106.9	168	93.8	15.1	548	3.57	9.5	0.9	2.8	3.3	40.8	0.19	0.47	0.19	81	0.51	0.079
09-GBC-065	Till	0.98	61.47	9.25	93.1	69	98.4	15.2	599	3.33	9.0	0.7	1.6	3.2	41.3	0.28	0.51	0.20	82	0.63	0.096
09-GBC-066	Till	0.80	48.41	7.31	72.6	85	95.4	13.9	561	3.00	7.6	0.6	22.4	2.8	36.5	0.18	0.42	0.14	75	0.60	0.089
09-GBC-067	Till	1.30	58.36	8.75	100.4	102	100.7	20.1	838	3.46	9.4	0.8	1.9	3.7	44.3	0.55	0.60	0.21	84	0.73	0.114
09-GBC-068	Till	1.12	61.15	9.53	92.8	158	102.7	15.7	631	3.44	8.7	0.7	2.0	3.4	41.4	0.39	0.49	0.18	83	0.66	0.105
09-GBC-069	Till	1.60	62.11	10.77	111.7	290	116.6	19.3	678	3.24	10.8	0.7	1.7	2.6	131.4	0.89	0.72	0.13	75	4.26	0.091
09-GBC-070	Till	1.49	54.46	7.86	103.2	99	66.8	13.3	509	3.22	9.1	0.9	2.3	3.3	45.2	0.39	0.73	0.14	82	0.52	0.102
09-GBC-071	Till	1.52	59.10	9.28	108.8	127	62.7	13.5	541	3.23	9.8	1.0	2.5	3.4	47.5	0.39	0.71	0.15	84	0.52	0.109
09-GBC-072	Till	0.97	40.67	5.26	78.0	46	53.0	10.7	364	2.59	8.4	0.5	1.3	2.4	30.3	0.36	0.57	0.08	67	0.38	0.092
09-GBC-073	Till	0.71	28.69	5.54	61.1	93	63.9	10.5	406	2.42	6.9	0.5	3.3	2.1	30.6	0.30	0.46	0.08	60	0.56	0.083
09-GBC-074	Till	1.19	39.27	7.81	73.6	191	59.7	13.9	600	2.37	5.9	1.0	2.3	4.1	46.8	0.85	0.39	0.28	59	1.28	0.126
09-GBC-075	Till	0.78	36.49	8.26	69.1	99	47.2	11.7	489	2.37	4.7	1.2	1.8	5.4	34.5	0.41	0.33	0.32	58	0.56	0.131
09-GBC-076	Till	0.89	31.77	5.99	56.1	79	45.6	10.3	547	1.96	4.6	1.4	1.3	4.4	28.3	0.62	0.33	0.23	60	0.54	0.144
09-GBC-077	Till	0.97	47.07	7.56	79.5	105	68.3	14.6	692	2.75	8.4	0.7	3.4	3.4	37.8	0.64	0.51	0.17	66	0.63	0.122
09-GBC-078	Till	0.99	57.16	8.34	86.6	55	82.9	15.6	711	3.24	9.5	0.7	2.3	3.6	43.0	0.41	0.64	0.17	76	0.60	0.110
09-GBC-079	Till	1.12	54.79	8.34	89.6	164	89.6	17.9	944	3.23	9.8	0.6	3.9	2.8	42.1	0.75	0.59	0.14	79	0.83	0.108
09-GBC-080	Till	0.73	45.80	8.53	85.8	40	46.6	12.0	393	3.17	5.2	1.5	2.9	4.9	25.0	0.18	0.25	0.31	70	0.37	0.077
09-GBC-081 DUP of 09-GBC-083	Pulp DUP	0.65	34.41	5.85	57.7	69	58.2	11.6	470	2.54	7.4	0.7	1.7	2.9	30.0	0.22	0.48	0.14	65	0.50	0.085
09-GBC-082	Rock Pulp	14.45	233.02	36.73	57.7	182	14.0	5.8	268	3.28	105.8	2.6	5.2	12.1	8.8	0.14	0.49	45.26	39	0.11	0.075
09-GBC-083	Till	0.67	37.95	6.35	60.7	70	62.6	12.0	500	2.68	7.5	0.7	1.3	3.1	34.5	0.21	0.49	0.15	69	0.54	0.092
09-GBC-084	Till	1.11	48.35	7.96	90.1	93	78.5	14.7	614	3.01	19.9	0.9	2.2	3.6	66.5	0.69	0.52	0.26	73	2.09	0.112
09-GBC-085	Till	1.28	62.24	8.82	100.8	216	96.8	19.5	723	3.43	11.7	0.8	1.2	2.9	78.5	0.81	0.59	0.20	84	2.33	0.105
09-GBC-086	Till	0.90	43.87	6.32	64.4	43	62.5	14.9	626	2.57	8.3	0.5	2.7	2.9	41.5	0.43	0.55	0.13	66	0.97	0.117
09-GBC-087	Till	1.35	56.62	9.18	116.1	97	106.0	18.6	883	3.55	11.5	0.6	2.5	3.8	50.3	1.05	0.78	0.15	81	0.67	0.123
09-GBC-088	Till	1.07	46.31	8.01	86.8	103	86.7	16.2	612	2.94	11.3	0.6	3.0	3.1	66.7	0.69	0.68	0.12	67	1.72	0.103
09-GBC-089	Till	0.69	47.53	7.96	77.8	113	54.7	12.2	450	3.03	6.7	1.1	1.2	3.2	38.3	0.19	0.27	0.14	80	0.64	0.108
09-GBC-090	Till	0.81	46.28	6.32	68.8	80	50.8	11.7	460	2.88	11.3	0.6	2.0	3.1	51.9	0.25	0.66	0.12	73	0.95	0.085

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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002940A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
09-GBC-061 DUP of 09-GBC-072	Pulp DUP	11.6	68.9	0.64	132.2	0.102	<20	1.41	0.009	0.07	<0.1	5.5	0.25	<0.02	69	0.3	0.03	4.2	0.70	<0.1	0.07
09-GBC-062	Rock Pulp	28.9	26.3	0.50	66.0	0.116	<20	1.92	0.029	0.30	>100	4.5	0.39	0.07	<5	0.6	0.19	6.0	7.96	<0.1	0.11
09-GBC-063	Till	13.9	62.4	0.89	157.2	0.116	<20	1.33	0.024	0.09	0.1	5.7	0.14	<0.02	161	0.1	0.03	4.1	0.84	<0.1	0.17
09-GBC-064	Till	15.7	94.2	1.06	243.6	0.103	<20	2.12	0.017	0.12	<0.1	8.9	0.20	<0.02	130	0.3	0.03	7.2	1.32	<0.1	0.09
09-GBC-065	Till	13.4	86.7	0.96	193.6	0.106	<20	1.87	0.020	0.12	<0.1	8.3	0.19	<0.02	117	0.1	0.04	5.8	1.28	<0.1	0.11
09-GBC-066	Till	13.4	87.3	0.92	246.1	0.107	<20	1.82	0.019	0.10	<0.1	7.1	0.17	<0.02	213	0.2	0.02	5.4	0.92	<0.1	0.06
09-GBC-067	Till	14.0	77.4	1.02	230.8	0.112	<20	1.91	0.022	0.16	0.1	8.4	0.25	<0.02	159	0.2	0.04	5.9	1.47	<0.1	0.16
09-GBC-068	Till	13.5	90.7	1.08	188.1	0.099	<20	1.89	0.018	0.13	<0.1	8.4	0.20	<0.02	111	0.3	0.04	5.9	1.33	<0.1	0.13
09-GBC-069	Till	11.3	112.2	1.47	311.0	0.101	<20	1.64	0.027	0.12	<0.1	7.8	0.35	<0.02	239	0.5	0.06	5.3	1.06	<0.1	0.14
09-GBC-070	Till	16.7	74.0	0.90	149.3	0.097	<20	1.74	0.013	0.12	<0.1	7.8	0.26	<0.02	102	0.5	0.04	5.5	1.19	<0.1	0.05
09-GBC-071	Till	17.2	72.6	0.87	150.6	0.096	<20	1.72	0.013	0.11	<0.1	8.2	0.26	<0.02	105	0.6	0.04	5.9	1.16	<0.1	0.07
09-GBC-072	Till	11.2	63.1	0.63	127.1	0.092	<20	1.35	0.009	0.07	<0.1	5.2	0.23	<0.02	168	0.5	0.03	4.0	0.67	<0.1	0.08
09-GBC-073	Till	11.0	58.8	0.68	154.2	0.081	<20	1.25	0.012	0.06	<0.1	4.9	0.14	<0.02	97	<0.1	0.02	3.6	0.63	<0.1	0.05
09-GBC-074	Till	13.2	45.7	0.67	153.9	0.082	<20	1.27	0.019	0.13	0.2	5.1	0.20	<0.02	84	<0.1	0.04	4.1	1.51	<0.1	0.15
09-GBC-075	Till	16.9	48.6	0.59	168.6	0.086	<20	1.47	0.015	0.12	0.1	5.8	0.20	<0.02	80	<0.1	0.02	4.7	1.78	<0.1	0.04
09-GBC-076	Till	14.0	39.2	0.46	131.7	0.077	<20	1.07	0.014	0.07	0.2	5.3	0.19	<0.02	72	0.2	0.02	3.4	1.21	<0.1	0.12
09-GBC-077	Till	12.5	51.7	0.73	174.1	0.089	<20	1.37	0.020	0.12	0.1	6.3	0.18	<0.02	121	<0.1	0.03	4.3	1.28	<0.1	0.19
09-GBC-078	Till	14.4	66.0	0.82	260.6	0.097	<20	1.70	0.017	0.12	0.1	8.2	0.20	<0.02	128	<0.1	0.04	5.1	1.27	<0.1	0.13
09-GBC-079	Till	12.7	63.7	1.03	187.9	0.096	<20	1.65	0.019	0.13	<0.1	7.5	0.25	<0.02	184	0.1	0.03	5.1	1.07	<0.1	0.09
09-GBC-080	Till	14.7	66.5	0.85	161.4	0.116	<20	2.26	0.011	0.24	<0.1	7.3	0.27	<0.02	67	0.2	0.03	6.6	2.50	<0.1	0.06
09-GBC-081 DUP of 09-GBC-083	Pulp DUP	12.4	61.5	0.57	141.0	0.100	<20	1.32	0.012	0.09	0.1	6.0	0.14	<0.02	130	<0.1	0.02	4.3	0.78	<0.1	0.07
09-GBC-082	Rock Pulp	27.1	23.3	0.48	65.7	0.104	<20	1.84	0.026	0.28	>100	4.6	0.39	0.07	<5	0.5	0.19	5.8	7.71	<0.1	0.10
09-GBC-083	Till	13.2	66.8	0.61	144.8	0.113	<20	1.44	0.014	0.10	0.1	6.6	0.15	<0.02	149	<0.1	0.03	4.2	0.84	<0.1	0.07
09-GBC-084	Till	13.5	64.0	1.00	211.6	0.103	<20	1.59	0.022	0.15	0.1	7.0	0.22	<0.02	922	<0.1	0.02	4.9	1.43	<0.1	0.18
09-GBC-085	Till	11.1	70.4	1.30	188.1	0.105	<20	1.78	0.024	0.17	<0.1	8.0	0.30	<0.02	170	0.1	0.04	5.4	1.37	<0.1	0.17
09-GBC-086	Till	11.3	47.5	0.76	128.7	0.092	<20	1.26	0.017	0.09	<0.1	5.9	0.15	<0.02	113	<0.1	0.03	3.8	0.78	<0.1	0.16
09-GBC-087	Till	16.4	74.4	0.97	231.8	0.101	<20	1.70	0.018	0.14	<0.1	8.1	0.27	<0.02	164	0.2	0.04	5.1	1.18	<0.1	0.16
09-GBC-088	Till	12.9	70.5	1.03	189.7	0.096	<20	1.29	0.018	0.10	<0.1	6.7	0.27	<0.02	190	<0.1	0.04	4.0	0.88	<0.1	0.20
09-GBC-089	Till	12.8	72.5	0.97	154.5	0.095	<20	1.98	0.010	0.13	<0.1	8.8	0.15	<0.02	58	0.1	0.02	5.7	1.12	<0.1	0.07
09-GBC-090	Till	12.6	59.6	0.91	153.1	0.107	<20	1.69	0.013	0.10	<0.1	6.2	0.17	<0.02	108	<0.1	0.03	5.2	1.15	<0.1	0.06

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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002940A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%	%	%	%	%	%
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01
09-GBC-061 DUP of 09-GBC-072	Pulp DUP	0.17	6.9	0.2	<0.05	3.6	7.23	29.8	<0.02	<1	0.4	9.1	<10	<2	69.49	11.92	5.17	1.97	2.36	2.47	1.77
09-GBC-062	Rock Pulp	1.83	35.5	5.0	<0.05	4.3	8.50	54.3	0.31	<1	1.0	19.0	<10	<2	64.82	14.29	5.70	1.25	1.25	2.46	3.21
09-GBC-063	Till	0.11	7.3	0.3	<0.05	6.2	9.30	26.5	0.02	<1	0.5	12.4	<10	<2	68.05	12.28	4.99	2.35	2.61	2.61	1.75
09-GBC-064	Till	0.13	11.9	0.7	<0.05	4.5	12.95	25.8	0.03	<1	0.6	17.2	<10	2	63.11	13.85	6.36	2.59	1.80	2.08	1.85
09-GBC-065	Till	0.09	9.7	1.8	<0.05	5.2	11.64	24.3	0.03	<1	0.7	16.3	<10	2	64.57	13.04	6.16	2.55	2.46	2.23	1.76
09-GBC-066	Till	0.30	9.1	1.2	<0.05	3.3	10.93	24.3	<0.02	<1	0.5	13.4	<10	<2	66.21	12.60	5.45	2.35	2.28	2.37	1.73
09-GBC-067	Till	0.08	13.5	0.8	<0.05	7.2	11.39	26.8	0.03	<1	0.7	17.4	<10	<2	64.09	13.49	6.26	2.56	2.56	2.26	1.87
09-GBC-068	Till	0.13	10.4	2.2	<0.05	6.1	11.68	25.2	0.03	<1	0.6	16.5	<10	3	63.06	13.52	6.34	2.69	2.47	2.20	1.87
09-GBC-069	Till	0.17	7.5	3.4	<0.05	6.3	10.52	22.8	0.03	3	0.5	12.2	<10	3	55.93	11.52	6.00	3.45	7.71	2.01	1.57
09-GBC-070	Till	0.18	11.1	0.7	<0.05	2.9	13.61	30.5	0.03	<1	0.5	14.2	<10	<2	64.33	13.50	6.12	2.39	2.18	2.36	2.05
09-GBC-071	Till	0.27	10.8	2.1	<0.05	2.9	14.61	31.1	0.03	<1	0.6	14.7	<10	<2	64.61	13.36	6.05	2.31	2.24	2.32	1.98
09-GBC-072	Till	0.17	6.6	0.2	<0.05	3.5	6.76	27.7	<0.02	<1	0.4	8.8	<10	<2	69.33	11.96	5.19	1.98	2.35	2.50	1.74
09-GBC-073	Till	0.31	6.5	0.8	<0.05	2.5	7.62	20.8	<0.02	<1	0.3	9.1	<10	<2	69.54	11.65	4.75	2.01	2.36	2.44	1.54
09-GBC-074	Till	0.12	12.9	0.9	<0.05	5.8	9.34	26.3	<0.02	<1	0.6	16.9	<10	<2	65.64	12.70	4.91	2.27	4.12	2.33	2.08
09-GBC-075	Till	0.29	13.7	2.0	<0.05	2.8	11.90	35.7	0.02	<1	0.9	18.2	<10	<2	66.28	13.61	4.87	2.07	2.91	2.43	2.22
09-GBC-076	Till	0.21	7.8	0.4	<0.05	5.0	12.12	27.9	<0.02	<1	0.5	15.2	<10	<2	69.56	12.25	4.21	1.90	3.19	2.51	2.00
09-GBC-077	Till	0.07	10.4	0.7	<0.05	6.8	9.67	26.6	<0.02	<1	0.5	13.0	<10	<2	67.30	12.36	5.42	2.36	3.04	2.34	1.77
09-GBC-078	Till	0.07	8.8	0.7	<0.05	7.1	12.37	27.7	<0.02	<1	0.5	13.8	<10	2	65.13	13.20	6.21	2.37	2.67	2.24	1.81
09-GBC-079	Till	0.18	9.1	0.8	<0.05	4.3	11.74	25.4	0.02	<1	0.5	14.0	<10	3	64.96	12.52	6.01	2.69	3.03	2.29	1.77
09-GBC-080	Till	0.45	27.8	1.3	<0.05	3.6	6.57	29.5	0.03	<1	0.9	23.4	<10	<2	61.79	15.53	5.89	2.34	2.07	1.97	2.36
09-GBC-081 DUP of 09-GBC-083	Pulp DUP	0.24	9.1	0.3	<0.05	3.9	8.02	24.5	<0.02	<1	0.4	9.9	<10	<2	68.98	12.27	4.86	1.80	2.37	2.49	1.76
09-GBC-082	Rock Pulp	1.93	35.1	4.9	<0.05	4.2	7.52	50.7	0.31	<1	0.9	19.8	<10	<2	65.03	14.27	5.61	1.24	1.24	2.43	3.14
09-GBC-083	Till	0.19	9.8	0.3	<0.05	4.0	9.02	26.3	<0.02	<1	0.5	10.6	<10	<2	68.83	12.31	4.93	1.81	2.37	2.51	1.75
09-GBC-084	Till	0.05	12.2	1.2	<0.05	6.5	10.30	26.3	0.03	<1	0.6	15.5	<10	<2	63.70	12.17	5.56	2.55	4.73	2.23	1.77
09-GBC-085	Till	0.06	12.2	0.9	<0.05	7.3	10.01	22.1	0.02	2	0.5	16.6	<10	<2	60.51	12.53	6.30	3.14	5.09	2.12	1.78
09-GBC-086	Till	0.05	6.0	0.2	<0.05	6.8	9.15	22.8	<0.02	<1	0.4	9.4	<10	<2	67.50	11.77	5.26	2.31	3.68	2.32	1.71
09-GBC-087	Till	0.08	9.9	0.8	<0.05	7.9	14.17	34.2	0.02	<1	0.6	12.7	<10	2	64.20	13.23	6.55	2.56	2.51	2.24	1.91
09-GBC-088	Till	0.06	6.6	0.5	<0.05	7.9	10.17	25.9	0.02	<1	0.4	10.1	<10	<2	65.32	11.65	5.48	2.60	4.04	2.37	1.62
09-GBC-089	Till	0.14	11.2	1.3	<0.05	3.8	10.46	25.3	<0.02	<1	0.6	15.9	<10	<2	63.48	13.70	5.90	2.55	2.50	1.92	1.86
09-GBC-090	Till	0.14	10.2	0.4	<0.05	3.7	7.76	25.6	0.02	<1	0.5	15.4	<10	<2	64.72	13.28	5.53	2.44	3.11	2.40	1.88

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002940A.2

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
	Analyte	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
	Unit	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	MDL	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3	5	1	-5.1	0.01	0.02	0.02
09-GBC-061 DUP of 09-GBC-072	Pulp DUP	0.76	0.21	0.07	0.032	43	958	97	66	<20	319	183	50	21	11	15	3.5	99.95	0.27	<0.02
09-GBC-062	Rock Pulp	0.79	0.20	0.06	0.007	248	369	67	20	<20	118	395	85	30	14	10	5.7	99.93	0.97	0.06
09-GBC-063	Till	0.77	0.24	0.09	0.027	47	988	83	85	<20	310	163	43	22	12	14	4.0	99.95	0.27	<0.02
09-GBC-064	Till	0.79	0.19	0.09	0.027	60	1040	112	101	21	245	141	40	24	10	17	7.0	99.93	0.58	<0.02
09-GBC-065	Till	0.77	0.22	0.10	0.028	59	989	102	112	<20	278	161	48	24	9	17	5.8	99.93	0.37	<0.02
09-GBC-066	Till	0.73	0.21	0.09	0.033	47	1044	84	105	<20	276	151	34	22	10	15	5.7	99.94	0.75	<0.02
09-GBC-067	Till	0.75	0.26	0.13	0.026	67	1050	110	112	26	284	171	45	25	14	16	5.5	99.94	0.34	<0.02
09-GBC-068	Till	0.78	0.24	0.10	0.029	65	1011	117	117	<20	285	168	42	25	10	17	6.4	99.93	0.63	<0.02
09-GBC-069	Till	0.69	0.22	0.10	0.035	69	1031	124	128	23	327	120	<30	19	10	15	10.5	99.92	1.86	<0.02
09-GBC-070	Till	0.83	0.25	0.09	0.026	59	1038	116	79	<20	301	173	55	26	6	17	5.6	99.93	0.51	<0.02
09-GBC-071	Till	0.80	0.26	0.09	0.025	65	1021	113	71	<20	305	172	42	28	13	17	5.7	99.93	0.64	<0.02
09-GBC-072	Till	0.76	0.21	0.07	0.033	43	952	90	69	<20	317	196	46	20	11	15	3.6	99.93	0.28	<0.02
09-GBC-073	Till	0.78	0.18	0.08	0.034	33	894	78	77	<20	287	177	39	20	11	13	4.4	99.95	0.63	<0.02
09-GBC-074	Till	0.78	0.30	0.11	0.025	41	1123	92	76	<20	288	235	63	29	17	14	4.4	99.94	0.60	<0.02
09-GBC-075	Till	0.80	0.30	0.10	0.021	37	1079	85	53	<20	263	251	81	30	16	15	4.1	99.94	0.47	<0.02
09-GBC-076	Till	0.79	0.32	0.11	0.023	32	1248	69	49	<20	285	256	73	33	14	15	2.9	99.95	0.39	<0.02
09-GBC-077	Till	0.79	0.27	0.12	0.026	47	1010	92	82	<20	296	196	58	25	12	16	3.9	99.94	0.30	<0.02
09-GBC-078	Till	0.78	0.25	0.12	0.026	62	1086	100	99	<20	303	171	55	26	8	17	4.9	99.94	0.26	<0.02
09-GBC-079	Till	0.74	0.25	0.15	0.028	56	1017	111	100	<20	308	162	45	25	7	17	5.3	99.93	0.51	<0.02
09-GBC-080	Till	0.84	0.19	0.08	0.024	48	969	98	64	<20	218	247	76	25	17	16	6.7	99.94	0.73	<0.02
09-GBC-081 DUP of 09-GBC-083	Pulp DUP	0.78	0.21	0.09	0.030	37	942	70	69	<20	300	194	60	22	12	14	4.1	99.96	0.36	<0.02
09-GBC-082	Rock Pulp	0.79	0.20	0.06	0.008	245	367	67	21	<20	116	406	82	32	16	10	5.8	99.93	0.98	0.06
09-GBC-083	Till	0.78	0.21	0.09	0.030	38	942	69	70	<20	301	200	52	23	14	14	4.1	99.95	0.36	<0.02
09-GBC-084	Till	0.76	0.25	0.10	0.028	49	979	96	88	<20	303	186	47	23	13	15	5.9	99.94	0.77	<0.02
09-GBC-085	Till	0.73	0.25	0.12	0.027	67	1008	110	105	21	320	145	38	22	12	16	7.1	99.93	0.96	<0.02
09-GBC-086	Till	0.80	0.27	0.11	0.026	44	944	75	79	<20	334	217	55	25	7	16	4.0	99.95	0.33	<0.02
09-GBC-087	Till	0.81	0.29	0.14	0.030	61	1032	125	120	21	304	182	62	27	8	17	5.3	99.93	0.29	<0.02
09-GBC-088	Till	0.75	0.23	0.10	0.030	48	920	94	92	<20	312	158	46	21	8	15	5.6	99.94	0.57	<0.02
09-GBC-089	Till	0.85	0.25	0.08	0.025	50	990	83	60	<20	268	199	50	25	10	19	6.6	99.94	0.50	<0.02
09-GBC-090	Till	0.81	0.20	0.09	0.025	47	989	80	63	<20	356	175	57	22	11	16	5.3	99.94	0.44	<0.02

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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002940A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
09-GBC-091	Till	0.89	49.97	7.65	77.3	64	60.7	13.2	532	3.20	12.2	0.7	1.9	3.4	52.5	0.20	0.64	0.14	78	0.80	0.089
09-GBC-092	Till	1.18	52.68	7.73	102.9	179	114.7	17.5	642	3.03	8.0	0.6	<0.2	2.8	92.6	0.69	0.70	0.12	72	2.25	0.090
09-GBC-093	Till	0.85	73.17	8.50	87.5	67	92.1	19.9	777	4.31	11.3	0.5	2.8	3.3	53.1	0.21	0.75	0.12	112	0.97	0.097
09-GBC-094	Till	1.08	76.17	10.69	114.7	85	132.4	23.5	938	4.26	12.8	0.6	4.3	3.2	57.8	0.40	0.71	0.14	104	0.83	0.096
09-GBC-095	Till	1.31	64.12	9.91	89.4	108	102.0	18.1	1533	3.72	9.8	0.6	2.6	3.0	43.7	0.88	0.52	0.11	100	0.79	0.124
09-GBC-096	Till	0.86	63.80	9.36	87.5	88	82.8	21.3	766	3.71	8.6	0.6	2.4	3.5	72.3	0.49	0.57	0.12	97	2.04	0.101
09-GBC-097	Till	0.60	33.72	6.00	60.4	28	58.7	11.2	454	2.61	5.7	0.5	1.9	2.7	38.7	0.18	0.39	0.09	73	0.60	0.091
09-GBC-098	Till	0.94	66.45	7.26	93.0	76	121.4	15.1	529	3.80	10.2	0.8	9.9	3.1	44.5	0.16	0.59	0.12	90	0.63	0.084
09-GBC-099	Till	0.92	73.07	9.17	121.0	278	106.6	18.6	594	4.00	9.4	0.7	7.8	3.4	45.4	0.19	0.58	0.15	87	0.64	0.073
09-GBC-100	Till	1.32	46.56	7.42	90.7	61	91.5	15.2	621	3.00	8.9	0.7	2.5	3.4	66.2	0.79	0.56	0.16	72	1.90	0.105
09-GBC-101 DUP of 09-GBC-112	Pulp DUP	0.57	31.43	4.59	49.8	85	46.1	10.5	477	2.32	5.9	0.5	1.4	2.4	64.3	0.31	0.47	0.06	67	1.68	0.107
09-GBC-102	Rock Pulp	15.88	256.61	39.56	62.3	188	15.5	6.6	272	3.48	110.8	2.8	3.9	13.7	9.5	0.14	0.46	48.70	42	0.13	0.078
09-GBC-103	Till	1.80	58.03	8.67	92.8	175	92.8	14.9	657	2.80	7.6	0.8	2.9	3.3	67.8	0.74	0.43	0.15	69	1.92	0.111
09-GBC-104	Till	1.65	55.60	10.28	100.8	125	105.5	19.0	701	3.14	15.7	0.7	3.4	2.6	78.3	0.89	1.02	0.21	72	2.81	0.090
09-GBC-105	Till	1.12	45.30	6.79	80.8	154	92.1	14.5	624	2.80	7.2	0.7	0.9	2.6	68.8	0.52	0.41	0.11	68	1.92	0.092
09-GBC-107	Till	1.06	52.91	8.35	88.0	110	88.4	17.6	760	3.25	9.5	0.6	2.7	3.7	73.1	0.59	0.50	0.14	77	1.89	0.098
09-GBC-108	Till	0.98	47.82	8.00	86.9	125	99.9	17.9	725	3.08	10.5	0.5	1.3	2.8	66.9	0.75	0.60	0.11	69	2.13	0.095
09-GBC-109	Till	0.81	50.36	6.98	80.2	44	96.6	14.7	618	3.10	9.0	0.5	2.2	2.8	44.0	0.27	0.60	0.10	72	0.68	0.097
09-GBC-110	Till	1.39	57.68	8.68	100.6	55	115.2	20.4	901	3.56	12.4	0.5	4.9	2.7	51.9	0.52	0.76	0.12	75	0.68	0.107
09-GBC-111	Till	0.82	41.40	7.44	81.3	52	103.7	17.4	700	3.14	8.4	0.5	2.7	2.4	44.2	0.31	0.55	0.09	75	0.65	0.091
09-GBC-112	Till	0.59	32.68	4.58	46.4	80	48.1	10.2	544	2.41	6.4	0.5	2.3	2.2	63.5	0.31	0.45	0.06	67	1.80	0.113
09-GBC-113	Till	0.75	56.14	6.25	71.7	109	58.3	12.9	675	3.36	8.4	0.5	2.6	2.5	50.7	0.26	0.44	0.09	95	0.83	0.101
09-GBC-114	Till	0.96	48.83	7.80	70.5	74	86.5	14.4	558	3.20	8.0	0.6	1.0	3.2	44.4	0.22	0.45	0.12	92	0.75	0.098
09-GBC-115	Till	0.73	43.87	5.57	70.2	93	102.2	13.1	522	3.17	8.2	0.6	1.0	2.1	35.3	0.21	0.47	0.07	76	0.61	0.071
09-GBC-116	Till	1.12	56.94	8.85	96.8	109	81.0	16.3	842	3.76	12.7	0.5	3.0	3.8	51.3	0.40	0.66	0.15	87	0.78	0.113
09-GBC-117	Till	2.61	86.72	12.61	127.1	167	126.3	21.8	1192	4.69	20.4	0.7	4.9	3.3	55.2	0.52	1.24	0.16	98	0.76	0.111
09-GBC-118	Till	2.58	89.42	12.93	148.7	113	135.8	26.9	1217	5.08	22.2	0.6	2.7	3.0	58.7	0.75	1.47	0.16	100	0.73	0.108
09-GBC-119	Till	1.35	74.58	11.87	94.8	131	94.8	21.4	890	4.54	14.1	0.6	4.6	4.3	50.3	0.40	0.94	0.17	86	0.80	0.103
09-GBC-120	Till	0.91	49.41	7.84	90.5	41	98.4	15.8	731	3.17	10.6	0.5	1.3	3.0	44.7	0.54	0.62	0.11	69	0.71	0.097
09-GBC-121 DUP of 09-GBC-140	Pulp DUP	0.74	41.54	5.74	53.8	48	52.1	10.7	509	2.60	10.0	0.7	1.6	2.9	30.8	0.20	0.52	0.07	65	0.42	0.079

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002940A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
09-GBC-091	Till	14.4	71.8	0.92	177.1	0.102	<20	1.79	0.013	0.10	<0.1	7.3	0.17	<0.02	131	0.1	0.03	5.4	1.16	<0.1	0.08
09-GBC-092	Till	12.1	94.8	1.47	364.8	0.100	<20	1.49	0.018	0.12	<0.1	7.6	0.22	<0.02	278	3.5	0.03	4.6	1.07	<0.1	0.16
09-GBC-093	Till	13.7	92.8	1.30	219.9	0.129	<20	2.30	0.022	0.10	<0.1	12.8	0.18	<0.02	188	<0.1	0.05	7.4	1.34	<0.1	0.14
09-GBC-094	Till	14.0	102.5	1.24	259.3	0.119	<20	2.20	0.023	0.13	<0.1	11.6	0.25	<0.02	246	<0.1	0.04	6.5	1.35	<0.1	0.16
09-GBC-095	Till	13.9	90.0	1.11	198.6	0.117	<20	2.06	0.020	0.09	<0.1	10.3	0.18	<0.02	196	<0.1	0.03	6.1	1.25	<0.1	0.09
09-GBC-096	Till	13.6	81.7	1.37	178.9	0.137	<20	1.94	0.022	0.11	<0.1	9.9	0.18	<0.02	158	<0.1	0.04	6.2	1.29	<0.1	0.09
09-GBC-097	Till	13.1	74.7	0.82	120.7	0.127	<20	1.40	0.014	0.07	<0.1	6.1	0.13	<0.02	63	<0.1	0.02	4.2	0.85	<0.1	0.08
09-GBC-098	Till	14.2	108.4	1.10	229.6	0.116	<20	1.94	0.018	0.10	<0.1	9.5	0.17	<0.02	249	0.1	0.04	5.7	0.94	<0.1	0.18
09-GBC-099	Till	17.8	111.4	1.15	251.8	0.102	<20	2.38	0.015	0.14	<0.1	11.7	0.20	<0.02	166	0.2	0.04	7.0	1.21	<0.1	0.13
09-GBC-100	Till	13.5	70.4	1.08	211.7	0.106	<20	1.53	0.023	0.14	<0.1	6.7	0.23	<0.02	138	<0.1	0.04	4.7	1.22	<0.1	0.17
09-GBC-101 DUP of 09-GBC-112	Pulp DUP	11.2	47.9	0.72	156.8	0.108	<20	1.05	0.025	0.08	<0.1	5.0	0.10	<0.02	155	<0.1	0.02	3.3	0.47	<0.1	0.19
09-GBC-102	Rock Pulp	30.8	25.4	0.52	68.6	0.117	<20	1.99	0.031	0.31	>100	4.8	0.42	0.07	<5	0.5	0.21	6.2	8.30	<0.1	0.12
09-GBC-103	Till	13.5	79.0	1.11	222.9	0.104	<20	1.45	0.025	0.15	0.2	6.6	0.24	<0.02	201	<0.1	0.03	4.3	1.28	<0.1	0.12
09-GBC-104	Till	11.5	69.0	1.11	195.5	0.094	<20	1.32	0.021	0.11	<0.1	8.1	0.28	<0.02	178	0.1	0.04	3.9	1.06	<0.1	0.17
09-GBC-105	Till	10.8	75.4	1.28	184.1	0.100	<20	1.40	0.022	0.14	<0.1	6.2	0.17	0.03	147	0.3	0.03	4.1	1.08	<0.1	0.18
09-GBC-107	Till	14.6	70.4	1.20	221.6	0.115	<20	1.69	0.025	0.16	<0.1	8.0	0.20	<0.02	209	<0.1	0.03	4.9	1.13	<0.1	0.15
09-GBC-108	Till	12.6	81.4	1.14	187.6	0.111	<20	1.36	0.017	0.10	<0.1	7.1	0.20	<0.02	169	1.1	0.04	3.9	0.80	<0.1	0.16
09-GBC-109	Till	13.9	72.9	0.91	240.1	0.114	<20	1.53	0.022	0.09	<0.1	7.6	0.16	<0.02	391	<0.1	0.03	4.4	0.76	<0.1	0.15
09-GBC-110	Till	14.0	90.9	0.88	273.0	0.109	<20	1.56	0.020	0.09	<0.1	7.7	0.24	<0.02	426	<0.1	0.04	5.6	0.89	<0.1	0.20
09-GBC-111	Till	13.8	85.0	0.87	260.1	0.125	<20	1.68	0.024	0.08	<0.1	7.4	0.18	<0.02	336	<0.1	<0.02	4.9	0.79	<0.1	0.17
09-GBC-112	Till	10.9	51.1	0.73	172.0	0.113	<20	1.04	0.025	0.08	<0.1	5.1	0.10	<0.02	275	<0.1	0.03	3.7	0.49	<0.1	0.18
09-GBC-113	Till	10.9	60.7	1.01	253.7	0.134	<20	1.91	0.039	0.14	<0.1	7.6	0.14	<0.02	135	<0.1	0.05	6.8	0.85	<0.1	0.11
09-GBC-114	Till	14.2	68.7	0.84	254.0	0.134	<20	1.70	0.035	0.12	<0.1	8.4	0.18	<0.02	162	<0.1	0.05	5.1	1.47	<0.1	0.15
09-GBC-115	Till	12.7	81.9	0.89	281.4	0.110	<20	1.81	0.020	0.09	<0.1	7.3	0.15	<0.02	368	<0.1	0.02	4.7	0.68	<0.1	0.09
09-GBC-116	Till	15.3	63.8	1.00	178.8	0.100	<20	1.90	0.019	0.12	<0.1	7.5	0.20	<0.02	148	<0.1	0.03	5.7	1.52	<0.1	0.14
09-GBC-117	Till	17.3	127.1	1.10	320.4	0.086	<20	1.99	0.017	0.11	<0.1	12.7	0.36	<0.02	305	0.5	0.05	6.1	1.42	<0.1	0.14
09-GBC-118	Till	16.8	115.8	1.10	333.1	0.085	<20	1.91	0.017	0.11	<0.1	11.9	0.40	<0.02	405	0.2	0.05	5.4	1.43	<0.1	0.17
09-GBC-119	Till	17.4	82.2	1.02	243.5	0.097	<20	1.90	0.017	0.11	<0.1	8.3	0.23	<0.02	226	0.2	0.04	6.5	1.46	<0.1	0.16
09-GBC-120	Till	13.0	79.4	1.01	186.9	0.107	<20	1.45	0.019	0.09	<0.1	7.5	0.21	<0.02	169	<0.1	0.03	4.6	0.98	<0.1	0.16
09-GBC-121 DUP of 09-GBC-140	Pulp DUP	13.4	66.3	0.56	179.0	0.104	<20	1.45	0.009	0.06	<0.1	6.1	0.21	<0.02	143	0.3	0.03	4.2	0.51	<0.1	0.11

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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002940A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%	%	%	%	%	%
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01
09-GBC-091	Till	0.10	9.3	1.0	<0.05	4.3	9.20	28.7	0.02	<1	0.6	14.6	<10	<2	64.55	13.40	5.95	2.43	2.80	2.27	1.82
09-GBC-092	Till	0.05	7.6	0.8	<0.05	6.9	9.93	23.9	0.03	3	0.5	11.7	<10	<2	62.92	11.82	5.42	3.34	4.52	2.18	1.61
09-GBC-093	Till	0.04	6.6	0.7	<0.05	7.2	12.86	24.8	0.03	<1	0.5	14.7	<10	2	60.13	13.59	7.57	3.24	3.03	2.11	1.73
09-GBC-094	Till	0.05	8.1	1.2	<0.05	7.8	13.27	27.0	0.04	<1	0.5	13.9	<10	3	61.62	13.48	7.32	3.05	2.49	2.07	1.80
09-GBC-095	Till	0.10	7.8	1.5	<0.05	5.7	15.13	23.4	0.03	<1	0.5	14.3	<10	<2	62.87	12.87	6.53	3.17	2.60	2.18	1.66
09-GBC-096	Till	0.03	7.6	1.0	<0.05	5.0	11.22	26.9	0.03	<1	0.5	14.3	<10	<2	59.80	12.88	6.75	3.48	4.84	2.22	1.79
09-GBC-097	Till	0.17	6.7	0.4	<0.05	4.4	7.81	25.7	<0.02	<1	0.3	10.1	<10	2	68.41	12.35	4.81	2.28	2.38	2.60	1.76
09-GBC-098	Till	0.11	6.5	0.7	<0.05	8.6	12.98	24.9	0.03	<1	0.5	12.5	<10	<2	64.23	13.02	6.63	2.71	2.18	2.22	1.64
09-GBC-099	Till	0.18	10.9	1.6	<0.05	6.9	17.17	32.4	0.03	1	0.7	15.5	<10	<2	58.80	14.01	6.76	2.73	1.77	1.81	1.86
09-GBC-100	Till	0.06	10.6	0.4	<0.05	6.9	10.16	25.9	0.02	<1	0.4	13.6	<10	<2	63.66	12.28	5.55	2.74	4.41	2.30	1.76
09-GBC-101 DUP of 09-GBC-112	Pulp DUP	0.06	4.5	0.3	<0.05	6.3	8.71	21.8	<0.02	<1	0.3	6.6	<10	<2	67.58	11.53	4.62	2.27	4.66	2.81	1.74
09-GBC-102	Rock Pulp	1.80	37.2	5.3	<0.05	4.9	9.01	57.5	0.34	<1	1.0	20.4	<10	<2	64.58	14.43	5.68	1.26	1.25	2.45	3.16
09-GBC-103	Till	0.06	11.6	1.3	<0.05	5.6	9.88	25.8	0.03	<1	0.5	13.7	<10	<2	64.84	11.86	5.19	2.75	4.43	2.30	1.67
09-GBC-104	Till	0.04	7.0	0.4	<0.05	6.2	9.75	22.6	0.03	<1	0.4	9.5	<10	<2	63.24	11.21	5.52	2.65	5.52	2.29	1.51
09-GBC-105	Till	0.06	8.2	0.7	<0.05	6.5	8.89	21.2	0.02	2	0.4	11.7	<10	<2	64.24	11.89	5.32	3.17	4.49	2.32	1.57
09-GBC-107	Till	0.05	10.6	0.6	<0.05	6.8	10.52	28.3	0.03	<1	0.4	12.7	<10	<2	62.64	12.59	5.84	2.88	4.18	2.35	1.82
09-GBC-108	Till	0.05	5.9	0.4	<0.05	6.8	10.09	25.4	0.02	<1	0.4	8.8	<10	<2	64.77	11.36	5.53	2.72	4.46	2.36	1.46
09-GBC-109	Till	0.09	6.0	1.1	<0.05	7.0	11.20	26.0	0.03	<1	0.4	9.9	<10	3	67.38	12.24	5.54	2.35	2.39	2.56	1.58
09-GBC-110	Till	0.08	5.9	0.6	<0.05	9.2	11.78	29.1	0.03	<1	0.4	9.7	<10	3	66.89	12.24	6.02	2.25	2.28	2.45	1.56
09-GBC-111	Till	0.10	6.5	0.5	<0.05	8.7	12.06	27.8	0.02	<1	0.4	9.4	<10	<2	67.64	12.18	5.51	2.26	2.37	2.56	1.55
09-GBC-112	Till	0.07	4.5	0.4	<0.05	6.7	8.80	22.6	<0.02	<1	0.4	7.2	<10	<2	67.65	11.44	4.65	2.25	4.63	2.81	1.73
09-GBC-113	Till	0.05	8.9	1.0	<0.05	5.9	11.27	23.9	0.03	<1	0.4	14.6	<10	3	64.79	13.53	5.68	2.48	2.74	2.81	2.20
09-GBC-114	Till	0.12	8.3	1.4	<0.05	7.9	11.85	29.4	0.02	<1	0.4	12.7	<10	2	66.23	12.78	5.64	2.23	2.91	2.74	1.66
09-GBC-115	Till	0.20	6.8	0.4	<0.05	4.7	13.46	24.4	0.02	<1	0.4	11.8	<10	<2	67.64	12.13	5.38	2.24	2.25	2.50	1.58
09-GBC-116	Till	0.11	10.1	0.6	<0.05	6.8	13.02	31.1	0.02	<1	0.5	15.0	<10	<2	63.98	13.36	6.49	2.45	2.54	2.25	2.00
09-GBC-117	Till	0.08	8.0	0.8	<0.05	8.3	18.58	32.8	0.05	1	0.7	12.9	<10	3	62.36	13.35	7.55	2.66	2.05	2.15	1.68
09-GBC-118	Till	0.08	7.9	1.2	<0.05	9.0	19.31	29.8	0.03	<1	0.7	11.0	<10	3	62.59	12.87	8.08	2.62	2.02	2.03	1.67
09-GBC-119	Till	0.07	8.3	0.7	<0.05	8.9	14.35	34.1	0.04	<1	0.6	16.3	<10	<2	63.31	13.28	7.37	2.50	2.29	1.99	1.87
09-GBC-120	Till	0.05	6.7	0.6	<0.05	7.0	10.53	27.6	0.02	<1	0.4	11.0	<10	<2	67.39	12.15	5.71	2.58	2.57	2.42	1.65
09-GBC-121 DUP of 09-GBC-140	Pulp DUP	0.11	4.4	0.2	<0.05	5.6	9.35	27.4	<0.02	<1	0.4	6.6	<10	<2	71.53	11.33	4.82	1.66	2.22	2.40	1.61

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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002940A.2

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
	Analyte	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
	Unit	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	MDL	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3	5	1	-5.1	0.01	0.02	0.02
09-GBC-091	Till	0.80	0.22	0.09	0.025	53	1007	85	75	<20	333	181	45	23	10	16	5.4	99.94	0.37	<0.02
09-GBC-092	Till	0.72	0.21	0.10	0.031	52	1057	110	128	20	309	130	32	19	9	15	6.9	99.93	0.88	<0.02
09-GBC-093	Till	0.77	0.22	0.12	0.031	77	918	94	104	23	301	142	42	22	8	22	7.2	99.91	0.30	<0.02
09-GBC-094	Till	0.78	0.22	0.14	0.032	77	1019	122	142	25	279	149	41	24	10	20	6.7	99.93	0.33	<0.02
09-GBC-095	Till	0.78	0.28	0.22	0.031	64	898	98	121	21	273	153	33	26	10	18	6.5	99.93	0.50	<0.02
09-GBC-096	Till	0.82	0.24	0.12	0.032	67	870	94	94	21	319	166	43	22	7	20	6.8	99.91	0.59	<0.02
09-GBC-097	Till	0.86	0.21	0.08	0.032	34	898	65	71	<20	310	187	48	19	9	14	4.0	99.95	0.29	<0.02
09-GBC-098	Till	0.80	0.20	0.09	0.039	69	956	104	132	<20	271	158	38	24	10	18	6.0	99.93	0.37	<0.02
09-GBC-099	Till	0.77	0.17	0.09	0.031	73	969	125	125	<20	230	139	34	27	10	19		89.01	1.06	<0.02
09-GBC-100	Till	0.74	0.25	0.10	0.030	48	1024	100	106	20	311	176	46	22	8	15	5.9	99.94	0.69	<0.02
09-GBC-101 DUP of 09-GBC-112	Pulp DUP	0.67	0.24	0.09	0.027	33	966	57	56	<20	430	147	35	18	7	14	3.5	99.94	0.42	<0.02
09-GBC-102	Rock Pulp	0.79	0.20	0.06	0.007	247	366	66	21	<20	118	390	79	30	17	10	5.9	99.94	0.98	0.07
09-GBC-103	Till	0.75	0.26	0.11	0.031	57	1027	103	108	<20	314	178	44	23	12	14	5.5	99.94	0.76	<0.02
09-GBC-104	Till	0.68	0.22	0.11	0.031	55	941	107	110	<20	322	143	<30	20	<5	15	6.8	99.94	0.95	<0.02
09-GBC-105	Till	0.74	0.22	0.11	0.036	46	904	91	103	<20	315	159	32	21	8	15	5.7	99.93	0.75	0.03
09-GBC-107	Till	0.77	0.24	0.12	0.030	54	982	97	112	22	332	168	47	21	8	15	6.3	99.93	0.62	<0.02
09-GBC-108	Till	0.76	0.22	0.11	0.028	48	857	91	114	21	293	150	35	19	9	14	6.0	99.94	0.68	<0.02
09-GBC-109	Till	0.77	0.24	0.10	0.029	50	991	86	109	<20	305	148	44	22	8	15	4.6	99.94	0.22	<0.02
09-GBC-110	Till	0.78	0.24	0.13	0.032	59	997	116	123	<20	295	157	<30	23	7	16	4.9	99.95	0.21	<0.02
09-GBC-111	Till	0.80	0.21	0.11	0.035	44	997	90	116	20	302	156	35	22	9	15	4.5	99.95	0.24	<0.02
09-GBC-112	Till	0.67	0.24	0.09	0.027	32	960	63	57	<20	426	147	30	19	5	14	3.6	99.93	0.42	<0.02
09-GBC-113	Till	0.62	0.24	0.11	0.019	61	1201	78	64	<20	417	102	<30	18	9	15	4.5	99.94	0.16	<0.02
09-GBC-114	Till	0.78	0.25	0.10	0.026	52	957	80	95	<20	345	162	36	22	10	15	4.4	99.95	0.30	<0.02
09-GBC-115	Till	0.69	0.20	0.09	0.035	43	1025	77	113	<20	308	134	<30	22	8	14	5.0	99.94	0.58	<0.02
09-GBC-116	Till	0.79	0.25	0.12	0.024	64	958	105	87	<20	358	177	38	25	10	17	5.5	99.95	0.42	<0.02
09-GBC-117	Till	0.75	0.23	0.16	0.032	88	1050	132	138	<20	268	143	<30	28	8	19	6.7	99.93	0.46	<0.02
09-GBC-118	Till	0.73	0.23	0.16	0.032	87	1061	156	151	25	266	134	32	27	9	19	6.7	99.93	0.42	<0.02
09-GBC-119	Till	0.75	0.24	0.13	0.023	72	964	107	102	<20	258	166	46	26	11	17	6.0	99.94	0.29	<0.02
09-GBC-120	Till	0.76	0.23	0.11	0.029	48	936	95	102	<20	297	147	38	21	6	15	4.2	99.94	0.18	<0.02
09-GBC-121 DUP of 09-GBC-140	Pulp DUP	0.72	0.19	0.08	0.031	41	921	65	63	<20	304	198	37	22	6	14	3.2	99.96	0.25	<0.02

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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002940A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
09-GBC-122	Rock Pulp	0.12	2.03	2.47	53.0	6	4.6	4.5	562	1.96	0.4	1.9	<0.2	4.0	48.9	<0.01	<0.02	0.05	38	0.51	0.093
09-GBC-123	Till	1.67	56.28	13.63	116.4	109	108.9	20.7	761	3.59	11.8	0.7	2.2	3.0	95.8	0.74	0.66	0.13	79	2.66	0.090
09-GBC-124	Till	1.71	53.27	9.94	110.7	126	108.8	17.4	786	3.52	11.9	0.7	0.4	2.7	96.9	0.81	0.62	0.12	79	2.66	0.087
09-GBC-125	Till	1.12	68.75	12.05	132.5	99	102.4	20.0	1042	4.29	14.9	0.7	2.8	3.8	47.1	0.81	0.65	0.16	91	0.68	0.097
09-GBC-126	Till	0.81	44.95	7.95	81.6	63	96.8	12.1	561	3.32	8.5	0.7	1.5	2.9	37.9	0.21	0.44	0.12	68	0.49	0.081
09-GBC-127	Till	0.66	48.36	7.29	86.6	64	90.2	16.2	688	3.22	8.5	0.6	0.8	2.9	62.8	0.37	0.49	0.10	71	1.61	0.087
09-GBC-128	Till	0.99	59.60	9.22	97.3	78	99.5	14.3	630	3.62	11.2	0.5	2.1	3.0	44.4	0.28	0.69	0.12	80	0.66	0.091
09-GBC-129	Till	2.57	76.42	13.75	168.4	127	96.0	25.2	972	4.08	14.2	0.8	3.3	4.8	97.5	1.31	0.90	0.17	86	2.47	0.121
09-GBC-130	Till	0.90	66.96	10.25	106.9	95	98.7	14.6	508	3.64	10.3	0.7	2.2	4.1	48.7	0.25	0.59	0.13	81	0.61	0.090
09-GBC-131	Till	0.73	59.31	7.87	86.6	98	97.4	14.6	548	3.50	8.9	0.6	2.6	3.5	54.7	0.18	0.56	0.11	81	0.78	0.110
09-GBC-132	Till	1.91	84.44	10.30	109.2	83	100.7	20.4	876	4.35	14.4	0.7	4.0	3.4	50.6	0.42	0.74	0.12	95	0.73	0.103
09-GBC-133	Till	0.67	54.80	7.51	79.7	66	67.1	10.3	483	3.27	8.8	0.6	1.1	3.3	44.3	0.15	0.54	0.09	76	0.64	0.103
09-GBC-134	Till	1.27	64.56	8.89	124.3	74	97.1	15.3	674	3.96	11.2	0.8	3.2	3.7	44.8	0.26	0.57	0.13	84	0.57	0.096
09-GBC-135	Till	2.21	85.30	13.05	131.1	163	140.3	37.9	1268	4.33	13.3	0.6	3.3	3.2	96.0	0.89	0.74	0.18	98	2.64	0.102
09-GBC-136	Till	1.73	51.17	9.29	99.6	144	87.8	15.3	697	3.60	20.3	0.6	15.1	2.6	92.9	0.83	1.59	0.11	86	3.92	0.084
09-GBC-137	Till	1.08	58.18	9.27	109.8	89	110.2	15.1	582	4.03	10.8	0.5	1.3	3.1	47.8	0.34	0.68	0.12	90	0.74	0.081
09-GBC-138	Till	1.04	62.04	8.02	88.7	91	100.7	15.9	656	3.51	9.6	0.7	2.9	3.2	43.5	0.27	0.72	0.10	75	0.63	0.089
09-GBC-139	Till	1.01	67.77	9.78	92.6	153	111.2	21.3	924	3.63	11.3	0.7	2.5	3.2	43.6	0.36	0.72	0.12	83	0.65	0.092
09-GBC-140	Till	0.78	41.20	5.77	56.7	44	55.0	10.9	532	2.61	9.2	0.7	6.0	3.0	31.9	0.18	0.56	0.07	66	0.42	0.072
09-GBC-141	Till	0.67	29.95	5.47	72.8	150	52.0	8.3	384	2.34	5.2	0.9	1.3	3.1	40.5	0.20	0.33	0.10	61	0.57	0.099
09-GBC-142 DUP of 09-GBC-148	Pulp DUP	0.84	22.60	5.06	67.5	55	58.7	8.2	307	2.15	5.1	0.4	1.8	1.9	27.5	0.19	0.31	0.06	53	0.40	0.079
09-GBC-143	Rock Pulp	13.63	165.56	7.42	53.1	82	14.1	11.9	409	4.48	5.4	0.4	23.0	1.3	48.7	0.21	0.10	0.48	97	0.76	0.057
09-GBC-144	Till	0.98	46.18	7.30	76.2	25	51.0	12.2	857	2.83	9.3	0.8	1.0	3.8	39.5	0.34	0.56	0.14	70	0.53	0.106
09-GBC-145	Till	1.10	37.77	7.08	60.5	53	34.4	10.2	478	2.39	5.9	0.7	1.7	4.4	31.2	0.29	0.46	0.14	58	0.46	0.096
09-GBC-146	Till	1.05	41.55	8.42	60.2	94	31.7	13.1	451	2.60	6.5	0.7	2.4	3.8	27.5	0.31	0.45	0.16	63	0.41	0.086
09-GBC-147	Till	1.28	51.46	8.76	93.0	218	58.8	17.7	614	3.02	9.1	0.7	2.0	4.5	76.1	0.70	0.61	0.17	65	2.21	0.095
09-GBC-148	Till	0.69	19.61	4.40	59.2	52	47.6	8.3	300	2.09	4.3	0.3	1.7	1.6	22.9	0.15	0.29	0.06	52	0.36	0.062
09-GBC-149	Till	1.44	60.50	8.64	110.5	78	141.4	20.7	768	3.56	11.3	0.5	2.1	3.0	62.5	0.76	0.57	0.13	74	1.79	0.084
09-GBC-150	Till	1.25	58.38	8.25	98.6	87	129.3	19.1	653	3.20	12.0	0.5	2.5	2.3	94.2	0.94	0.63	0.12	65	4.17	0.083
09-GBC-152	Till	1.18	51.24	8.44	100.6	54	168.7	21.0	661	3.22	11.0	0.5	2.7	2.4	65.2	0.59	0.57	0.11	65	1.91	0.086

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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002940A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
09-GBC-122	Rock Pulp	7.0	13.8	0.63	260.3	0.142	<20	0.93	0.043	0.52	<0.1	2.5	0.40	<0.02	6	<0.1	<0.02	5.4	3.80	0.1	0.10
09-GBC-123	Till	12.8	93.0	1.46	268.2	0.103	<20	1.66	0.022	0.14	<0.1	6.5	0.32	<0.02	196	0.1	0.04	4.7	1.27	<0.1	0.12
09-GBC-124	Till	12.1	82.4	1.49	247.3	0.091	<20	1.67	0.021	0.14	<0.1	8.0	0.33	<0.02	189	0.3	0.05	4.8	1.23	<0.1	0.10
09-GBC-125	Till	16.6	79.5	1.19	257.5	0.094	21	2.15	0.018	0.15	<0.1	8.7	0.27	<0.02	210	<0.1	0.04	6.0	1.76	<0.1	0.12
09-GBC-126	Till	12.7	108.3	0.95	213.1	0.104	<20	1.75	0.014	0.09	<0.1	7.3	0.18	<0.02	154	0.1	<0.02	5.2	0.95	<0.1	0.08
09-GBC-127	Till	12.9	82.3	1.36	217.2	0.104	<20	1.60	0.019	0.10	<0.1	7.8	0.19	<0.02	137	<0.1	0.02	5.4	1.18	<0.1	0.15
09-GBC-128	Till	14.0	87.5	0.97	209.0	0.098	<20	1.79	0.014	0.11	<0.1	8.6	0.20	<0.02	197	<0.1	0.03	5.4	1.02	<0.1	0.09
09-GBC-129	Till	16.7	89.1	1.25	291.8	0.099	<20	1.95	0.016	0.15	<0.1	9.8	0.43	<0.02	176	0.5	0.05	6.3	1.61	<0.1	0.15
09-GBC-130	Till	16.8	104.5	1.03	240.1	0.123	<20	2.05	0.014	0.11	<0.1	9.6	0.24	<0.02	237	0.2	0.05	6.4	1.62	<0.1	0.12
09-GBC-131	Till	14.8	99.2	1.03	246.1	0.121	<20	1.88	0.019	0.09	<0.1	10.8	0.21	<0.02	171	0.2	0.03	5.8	1.27	<0.1	0.17
09-GBC-132	Till	16.2	98.2	1.07	261.4	0.111	<20	2.06	0.019	0.10	<0.1	11.7	0.26	<0.02	289	0.1	0.03	5.8	1.15	<0.1	0.09
09-GBC-133	Till	14.1	72.3	0.79	191.0	0.105	<20	1.67	0.012	0.08	<0.1	8.9	0.14	<0.02	181	<0.1	0.04	5.0	0.79	<0.1	0.11
09-GBC-134	Till	15.0	104.8	1.09	216.3	0.108	<20	2.19	0.013	0.16	<0.1	9.6	0.27	<0.02	183	0.3	0.03	6.4	1.34	<0.1	0.11
09-GBC-135	Till	12.6	103.6	1.47	320.9	0.127	<20	2.01	0.025	0.14	<0.1	8.3	0.38	<0.02	218	0.5	0.06	5.9	1.61	<0.1	0.12
09-GBC-136	Till	11.4	85.5	1.30	206.6	0.089	<20	1.58	0.019	0.12	<0.1	6.7	0.35	<0.02	183	<0.1	0.03	4.7	1.11	<0.1	0.18
09-GBC-137	Till	12.9	82.9	1.08	222.7	0.093	<20	1.94	0.018	0.11	<0.1	9.4	0.25	<0.02	210	<0.1	0.02	5.3	1.29	<0.1	0.21
09-GBC-138	Till	15.6	104.8	0.92	208.4	0.126	<20	1.64	0.015	0.08	<0.1	7.8	0.20	<0.02	169	0.3	0.03	5.1	0.76	<0.1	0.12
09-GBC-139	Till	18.6	106.4	0.99	231.6	0.130	<20	1.74	0.018	0.10	<0.1	9.2	0.24	<0.02	190	0.4	0.05	5.6	1.09	<0.1	0.09
09-GBC-140	Till	14.1	69.2	0.55	165.6	0.109	<20	1.42	0.009	0.06	<0.1	7.3	0.21	<0.02	158	0.2	0.03	3.8	0.53	<0.1	0.12
09-GBC-141	Till	14.1	61.5	0.70	199.8	0.099	<20	1.61	0.010	0.07	<0.1	6.2	0.21	<0.02	792	<0.1	<0.02	4.9	0.98	<0.1	0.06
09-GBC-142 DUP of 09-GBC-148	Pulp DUP	11.7	75.6	0.61	133.2	0.114	<20	1.23	0.010	0.06	<0.1	3.7	0.13	<0.02	77	0.3	0.02	3.8	0.64	<0.1	0.04
09-GBC-143	Rock Pulp	4.4	24.5	0.72	50.3	0.148	<20	2.15	0.024	0.04	<0.1	5.8	0.03	0.56	25	3.2	0.45	5.4	0.35	<0.1	0.14
09-GBC-144	Till	15.6	58.8	0.67	204.9	0.112	<20	1.64	0.011	0.09	0.1	7.5	0.18	<0.02	216	0.3	0.03	5.2	0.92	<0.1	0.10
09-GBC-145	Till	14.6	50.2	0.62	109.8	0.099	<20	1.45	0.007	0.09	0.1	4.1	0.15	<0.02	41	0.4	0.02	3.7	1.22	<0.1	0.04
09-GBC-146	Till	13.4	43.5	0.66	122.6	0.084	<20	1.57	0.008	0.10	0.1	4.6	0.16	<0.02	46	0.1	0.02	3.9	1.27	<0.1	0.02
09-GBC-147	Till	12.6	56.5	1.09	251.0	0.087	<20	1.53	0.017	0.18	0.2	6.0	0.18	0.06	111	0.5	0.04	4.6	1.39	<0.1	0.14
09-GBC-148	Till	9.1	56.7	0.58	120.1	0.082	<20	1.10	0.008	0.05	<0.1	3.3	0.11	<0.02	77	0.1	<0.02	3.4	0.53	<0.1	0.04
09-GBC-149	Till	12.5	87.2	1.31	242.7	0.091	<20	1.61	0.021	0.12	<0.1	7.4	0.28	<0.02	266	<0.1	0.04	4.3	1.07	<0.1	0.17
09-GBC-150	Till	11.0	109.5	1.25	294.6	0.078	<20	1.36	0.021	0.09	<0.1	7.2	0.35	<0.02	225	0.2	0.04	3.7	0.82	<0.1	0.13
09-GBC-152	Till	11.3	104.8	1.55	234.5	0.086	<20	1.41	0.021	0.09	<0.1	7.9	0.26	<0.02	234	<0.1	0.03	4.8	0.89	<0.1	0.17

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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002940A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%	%	%	%	%	%
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01
09-GBC-122	Rock Pulp	0.25	47.3	0.2	<0.05	1.4	4.16	14.2	<0.02	<1	0.2	33.9	<10	<2	66.25	16.24	3.51	1.22	3.74	3.56	3.77
09-GBC-123	Till	0.06	8.6	5.2	<0.05	5.6	10.16	26.4	0.03	1	0.5	13.2	<10	<2	61.81	12.12	5.86	3.21	4.80	2.17	1.70
09-GBC-124	Till	0.05	8.6	1.0	<0.05	5.2	10.44	25.9	0.03	<1	0.5	12.4	<10	<2	60.97	12.23	5.96	3.35	4.99	2.09	1.67
09-GBC-125	Till	0.04	11.0	0.7	<0.05	6.4	15.99	34.8	0.04	<1	0.6	15.6	<10	<2	63.01	13.85	6.95	2.65	2.05	2.12	2.08
09-GBC-126	Till	0.21	7.2	0.8	<0.05	4.5	9.62	27.0	0.03	<1	0.4	11.7	<10	3	67.18	12.51	5.70	2.41	1.89	2.32	1.57
09-GBC-127	Till	0.06	7.7	0.5	<0.05	7.4	11.22	28.1	<0.02	<1	0.4	13.7	<10	<2	63.83	12.50	5.66	3.15	3.65	2.27	1.68
09-GBC-128	Till	0.20	7.0	1.0	<0.05	5.3	11.70	25.8	0.03	<1	0.4	14.4	<10	<2	64.77	12.87	6.27	2.46	2.23	2.20	1.82
09-GBC-129	Till	0.07	10.9	0.8	<0.05	7.2	14.58	34.4	0.04	3	0.6	17.4	<10	<2	59.15	13.58	6.74	2.84	4.35	1.88	2.00
09-GBC-130	Till	0.14	10.2	2.3	<0.05	6.3	12.87	31.1	0.04	<1	0.6	14.7	<10	4	64.27	13.65	6.28	2.50	1.96	2.18	1.85
09-GBC-131	Till	0.06	7.2	0.6	<0.05	8.4	13.26	30.1	0.03	<1	0.5	15.2	<10	<2	64.96	13.14	6.06	2.54	2.34	2.34	1.75
09-GBC-132	Till	0.08	7.8	0.7	<0.05	5.7	16.44	33.0	0.03	<1	0.6	15.1	<10	3	62.79	13.59	7.23	2.64	2.31	2.18	1.84
09-GBC-133	Till	0.10	5.3	0.5	<0.05	6.4	11.50	29.3	0.03	<1	0.5	10.9	<10	<2	66.94	12.68	5.77	2.10	2.33	2.44	1.78
09-GBC-134	Till	0.12	10.2	0.6	<0.05	6.5	13.24	30.1	0.03	<1	0.7	15.0	<10	<2	63.42	13.76	6.64	2.59	1.77	2.15	1.99
09-GBC-135	Till	0.06	9.9	1.0	<0.05	6.9	11.39	28.5	0.04	4	0.6	17.4	<10	2	57.68	13.12	7.21	3.37	4.87	2.02	1.78
09-GBC-136	Till	0.08	7.5	1.1	<0.05	7.5	9.90	23.3	0.03	<1	0.5	13.7	<10	2	58.37	11.87	6.01	2.99	6.69	2.09	1.80
09-GBC-137	Till	0.07	7.8	2.1	<0.05	9.1	12.61	25.7	0.03	<1	0.5	14.5	<10	<2	63.05	13.72	6.84	2.67	2.22	2.16	1.93
09-GBC-138	Till	0.12	5.3	0.5	<0.05	6.6	14.64	33.0	<0.02	<1	0.5	11.2	<10	2	66.82	12.51	5.95	2.33	2.22	2.45	1.64
09-GBC-139	Till	0.16	8.3	0.7	<0.05	5.5	17.49	33.4	0.03	<1	0.5	13.3	<10	<2	66.24	12.53	6.10	2.45	2.13	2.31	1.68
09-GBC-140	Till	0.14	4.4	0.3	<0.05	5.5	9.91	28.0	<0.02	<1	0.3	6.7	<10	<2	71.53	11.29	4.79	1.66	2.21	2.41	1.61
09-GBC-141	Till	0.35	10.0	0.5	<0.05	2.9	11.73	28.0	<0.02	<1	0.4	12.9	<10	<2	68.23	12.87	4.63	2.03	2.48	2.44	1.79
09-GBC-142 DUP of 09-GBC-148	Pulp DUP	0.43	7.5	0.2	<0.05	1.9	5.60	24.1	<0.02	<1	0.3	10.3	<10	<2	71.62	11.60	4.20	1.83	1.85	2.67	1.52
09-GBC-143	Rock Pulp	0.26	1.7	0.7	<0.05	5.3	6.07	9.8	0.06	11	0.2	4.2	<10	<2	60.24	14.68	8.30	2.21	4.08	2.17	1.10
09-GBC-144	Till	0.19	8.0	0.5	<0.05	5.2	12.46	35.9	<0.02	<1	0.5	12.7	<10	<2	68.67	12.37	5.24	1.95	2.50	2.28	1.83
09-GBC-145	Till	0.33	10.3	0.3	<0.05	1.4	6.54	32.4	<0.02	<1	0.4	14.0	<10	<2	68.88	12.55	4.91	2.03	2.57	2.19	2.03
09-GBC-146	Till	0.33	10.6	0.4	<0.05	1.2	5.47	29.4	<0.02	<1	0.5	15.0	<10	<2	67.96	12.74	5.15	2.06	2.49	2.17	2.06
09-GBC-147	Till	0.09	12.6	0.9	<0.05	6.5	9.93	27.1	0.02	2	0.4	18.3	<10	<2	62.03	12.75	5.79	2.87	4.90	2.02	2.07
09-GBC-148	Till	0.36	6.1	0.2	<0.05	1.7	4.33	20.0	<0.02	<1	0.3	7.3	<10	<2	71.53	11.57	4.15	1.80	1.85	2.71	1.54
09-GBC-149	Till	0.05	8.8	0.8	<0.05	7.3	10.41	25.7	0.02	<1	0.5	12.8	<10	3	62.22	12.45	6.42	3.29	3.99	2.18	1.69
09-GBC-150	Till	0.16	5.7	0.5	<0.05	5.3	10.79	22.1	0.02	<1	0.4	11.5	<10	3	58.86	11.17	5.72	3.04	7.29	2.12	1.46
09-GBC-152	Till	0.04	6.0	1.0	<0.05	7.3	9.63	24.5	0.03	<1	0.4	10.9	<10	<2	63.00	11.59	5.93	3.68	4.16	2.28	1.48

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002940A.2

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
	Analyte	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
	Unit	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	MDL	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3	5	1	-5.1	0.01	0.02	0.02
09-GBC-122	Rock Pulp	0.38	0.18	0.10	<0.002	<5	1037	58	<20	<20	757	125	60	15	21	5	0.8	99.99	0.04	<0.02
09-GBC-123	Till	0.70	0.21	0.11	0.029	59	970	117	118	<20	315	140	<30	20	13	15	7.0	99.92	1.02	<0.02
09-GBC-124	Till	0.71	0.22	0.12	0.027	61	992	122	120	22	317	131	<30	20	<5	15	7.4	99.93	1.03	<0.02
09-GBC-125	Till	0.78	0.25	0.14	0.027	69	991	132	112	22	275	159	37	25	12	17	5.8	99.94	0.25	<0.02
09-GBC-126	Till	0.79	0.19	0.09	0.041	48	935	93	117	<20	254	151	40	19	7	15	5.1	99.95	0.43	<0.02
09-GBC-127	Till	0.77	0.22	0.10	0.030	50	925	96	105	<20	300	152	38	21	9	15	5.9	99.93	0.55	<0.02
09-GBC-128	Till	0.76	0.23	0.09	0.029	62	976	105	112	<20	278	163	43	23	12	17	6.0	99.94	0.58	<0.02
09-GBC-129	Till	0.75	0.26	0.13	0.024	72	1003	163	104	23	282	153	47	25	11	17	8.0	99.93	0.88	<0.02
09-GBC-130	Till	0.82	0.21	0.08	0.029	60	967	105	95	<20	265	173	40	24	12	17	5.9	99.94	0.36	<0.02
09-GBC-131	Till	0.78	0.22	0.08	0.026	57	937	86	96	<20	291	135	42	23	11	17	5.5	99.94	0.27	<0.02
09-GBC-132	Till	0.77	0.22	0.14	0.027	73	981	112	111	22	290	157	38	26	8	19	6.0	99.94	0.32	<0.02
09-GBC-133	Till	0.80	0.22	0.08	0.029	54	875	83	69	<20	304	185	38	23	8	17	4.6	99.94	0.29	<0.02
09-GBC-134	Till	0.79	0.21	0.09	0.031	65	1001	124	109	<20	249	158	34	23	8	17	6.3	99.93	0.48	<0.02
09-GBC-135	Till	0.74	0.23	0.18	0.029	79	1052	132	151	32	295	128	42	20	7	17	8.5	99.93	1.16	<0.02
09-GBC-136	Till	0.71	0.21	0.11	0.029	61	966	111	106	21	313	159	37	20	8	15	8.9	99.93	1.44	0.02
09-GBC-137	Till	0.76	0.23	0.11	0.030	70	995	125	120	<20	289	150	47	25	11	18	6.0	99.93	0.37	<0.02
09-GBC-138	Till	0.78	0.21	0.10	0.031	56	893	92	110	<20	281	149	48	24	12	16	4.7	99.94	0.29	<0.02
09-GBC-139	Till	0.76	0.20	0.13	0.034	54	957	92	118	<20	271	147	39	25	7	16	5.2	99.95	0.51	<0.02
09-GBC-140	Till	0.72	0.18	0.08	0.033	39	915	64	59	<20	301	179	41	22	8	14	3.3	99.96	0.26	<0.02
09-GBC-141	Till	0.80	0.24	0.06	0.024	34	1015	76	55	<20	323	183	44	24	12	15	4.2	99.95	0.42	<0.02
09-GBC-142 DUP of 09-GBC-148	Pulp DUP	0.86	0.16	0.06	0.034	24	914	74	70	<20	271	164	34	18	9	11	3.4	99.97	0.40	<0.02
09-GBC-143	Rock Pulp	0.95	0.14	0.11	0.007	174	444	65	23	<20	319	113	<30	20	6	20	5.8	99.94	0.56	0.63
09-GBC-144	Till	0.71	0.25	0.12	0.021	47	1025	72	51	<20	309	174	49	25	8	16	3.8	99.95	0.34	<0.02
09-GBC-145	Till	0.74	0.22	0.09	0.018	38	1082	67	38	<20	299	205	55	23	13	14	3.5	99.94	0.42	<0.02
09-GBC-146	Till	0.75	0.21	0.09	0.018	42	1081	71	40	<20	295	213	61	24	17	14	4.0	99.95	0.48	<0.02
09-GBC-147	Till	0.73	0.25	0.11	0.022	56	1029	102	67	<20	316	178	57	23	9	15	6.2	99.93	0.95	0.07
09-GBC-148	Till	0.85	0.16	0.06	0.036	24	902	76	71	<20	272	162	37	17	12	11	3.5	99.96	0.39	<0.02
09-GBC-149	Till	0.79	0.21	0.12	0.034	62	1074	119	157	23	283	151	56	22	11	16	6.3	99.92	0.64	<0.02
09-GBC-150	Till	0.71	0.20	0.10	0.036	59	993	106	145	<20	295	130	40	21	10	14	9.0	99.93	1.53	<0.02
09-GBC-152	Till	0.74	0.20	0.11	0.039	52	906	105	183	20	274	131	43	20	6	15	6.5	99.92	0.67	<0.02

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002940A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
09-GBC-153	Till	1.10	59.16	12.34	93.5	74	244.5	22.8	689	3.75	11.4	0.5	1.9	2.6	39.5	0.60	0.53	0.15	71	1.09	0.074
09-GBC-154	Till	0.89	66.02	7.19	88.0	115	159.6	20.1	684	3.61	11.2	0.9	4.6	2.6	35.8	0.17	0.57	0.11	69	0.50	0.074
09-GBC-155	Till	1.13	78.33	8.27	103.8	72	311.9	24.6	926	4.53	15.3	0.8	3.0	2.4	36.9	0.24	0.43	0.13	82	0.63	0.076
09-GBC-156	Till	0.44	29.05	5.73	61.6	51	93.3	10.1	355	2.25	5.0	0.5	2.5	2.0	28.9	0.20	0.28	0.08	51	0.47	0.070
09-GBC-157	Till	0.78	50.58	7.13	85.5	147	124.5	12.4	401	3.10	9.2	0.7	1.8	2.2	31.5	0.18	0.53	0.10	63	0.46	0.068
09-GBC-158	Till	0.88	53.20	7.12	92.7	48	148.9	15.0	621	3.43	10.3	0.6	3.3	2.3	32.4	0.25	0.53	0.10	70	0.53	0.078
09-GBC-159	Till	0.59	25.26	4.52	57.5	31	116.6	11.0	365	2.40	5.2	0.4	1.1	1.6	23.3	0.20	0.28	0.06	55	0.39	0.063
09-GBC-160	Till	0.83	45.34	7.72	78.1	103	136.4	16.2	627	2.72	8.2	0.5	3.7	2.4	37.0	0.37	0.46	0.09	58	1.18	0.063
09-GBC-161 DUP of 09-GBC-176	Pulp DUP	0.79	37.47	5.69	65.6	51	107.1	13.8	569	2.43	6.1	0.5	1.0	2.2	52.0	0.34	0.43	0.07	53	1.60	0.087
09-GBC-162	Rock Pulp	0.71	72.02	9.81	72.7	90	40.3	15.8	329	3.86	6.5	0.7	5.4	7.7	22.1	0.08	0.23	0.20	52	0.23	0.057
09-GBC-163	Till	1.06	55.83	7.48	95.6	68	179.2	19.3	780	3.20	11.0	0.4	8.3	2.1	40.8	1.23	0.63	0.09	67	1.18	0.081
09-GBC-164	Till	1.09	50.95	6.76	93.3	66	175.7	19.2	872	3.10	10.7	0.4	1.7	2.0	43.0	0.47	0.65	0.09	65	1.36	0.082
09-GBC-165	Till	0.91	56.76	7.76	85.8	95	176.4	16.4	791	3.46	10.2	0.6	2.3	2.7	37.8	0.26	0.59	0.11	74	0.60	0.084
09-GBC-166	Till	1.17	47.69	7.83	98.4	75	114.4	18.1	625	3.33	10.2	0.5	1.9	2.7	64.1	0.62	0.57	0.11	73	1.83	0.099
09-GBC-167	Till	1.36	63.02	8.79	99.5	77	111.5	22.2	766	3.54	12.2	0.5	23.5	2.8	70.4	0.71	0.65	0.12	77	2.05	0.083
09-GBC-168	Till	1.17	58.43	9.75	93.7	85	134.6	20.2	964	3.70	11.9	0.6	1.5	2.3	40.9	0.57	0.64	0.11	82	0.70	0.092
09-GBC-169	Till	0.72	40.22	5.98	74.3	43	114.8	14.0	624	2.80	7.6	0.5	1.7	2.1	47.1	0.42	0.36	0.08	58	1.84	0.061
09-GBC-170	Till	0.88	47.95	10.61	81.6	189	120.5	13.1	599	3.17	6.9	0.5	2.0	2.1	32.4	0.10	0.40	0.11	63	0.51	0.052
09-GBC-171	Till	0.56	27.99	4.83	53.1	42	100.8	11.0	444	2.27	5.0	0.3	1.1	1.7	22.4	0.17	0.32	0.06	47	0.45	0.056
09-GBC-172	Till	0.46	22.23	4.38	41.3	40	59.5	6.8	267	1.83	3.3	0.3	1.0	1.2	17.4	0.07	0.20	0.06	41	0.37	0.042
09-GBC-173	Till	2.20	48.11	10.10	78.8	110	124.3	18.0	781	3.16	9.6	0.6	1.2	2.3	65.4	0.46	0.44	0.11	58	3.13	0.074
09-GBC-174	Till	0.84	41.96	7.60	69.8	40	124.9	15.1	741	2.67	7.5	0.4	2.1	2.1	28.1	0.31	0.53	0.09	54	0.42	0.067
09-GBC-175	Till	1.50	59.42	8.88	101.9	85	171.8	21.5	683	3.47	11.0	0.5	2.5	2.4	58.9	0.53	0.59	0.12	66	1.64	0.077
09-GBC-176	Till	0.73	30.56	5.09	60.0	47	104.4	13.3	530	2.41	5.9	0.4	1.2	1.9	45.4	0.32	0.40	0.06	52	1.56	0.086
09-GBC-177	Till	0.67	41.83	7.99	71.7	62	105.5	15.5	770	2.98	7.4	0.5	0.7	2.3	31.3	0.21	0.40	0.10	64	0.44	0.064
09-GBC-178	Till	0.97	33.04	5.41	69.1	76	142.1	14.8	395	2.91	7.1	0.5	1.0	1.9	26.4	0.15	0.42	0.07	60	0.43	0.051
09-GBC-179	Till	0.69	47.84	6.53	82.6	71	140.0	15.9	652	3.28	8.6	0.6	2.2	2.3	38.3	0.25	0.49	0.10	67	0.57	0.088
09-GBC-180	Till	1.69	56.25	8.77	103.1	89	227.1	30.7	878	3.53	11.5	0.6	1.4	2.5	75.9	0.73	0.57	0.12	66	2.71	0.081
09-GBC-181 DUP of 09-GBC-192	Pulp DUP	0.95	34.08	6.31	62.5	59	61.7	10.9	597	2.49	8.1	0.5	1.5	2.2	42.6	0.33	0.50	0.09	51	1.40	0.081
09-GBC-182	Rock Pulp	1.47	93.04	5.12	75.4	88	44.4	22.3	952	4.43	12.5	0.9	9.6	0.9	50.1	0.25	0.19	0.12	124	1.22	0.072

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3890 Trailhead Drive
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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002940A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
09-GBC-153	Till	10.9	152.0	2.17	251.6	0.077	<20	1.69	0.018	0.10	<0.1	7.3	0.20	<0.02	175	0.1	0.06	4.8	0.90	<0.1	0.14
09-GBC-154	Till	13.3	136.5	1.14	283.8	0.090	<20	1.75	0.015	0.09	<0.1	9.2	0.21	<0.02	220	0.3	0.04	5.1	0.78	<0.1	0.10
09-GBC-155	Till	15.2	186.6	1.70	393.7	0.066	<20	2.13	0.018	0.11	<0.1	12.5	0.24	<0.02	266	<0.1	0.05	6.7	0.83	<0.1	0.08
09-GBC-156	Till	10.7	72.0	0.86	172.3	0.081	<20	1.23	0.013	0.05	<0.1	5.5	0.12	<0.02	96	<0.1	<0.02	3.4	0.55	<0.1	0.07
09-GBC-157	Till	13.5	107.1	1.03	229.1	0.093	<20	1.53	0.015	0.08	<0.1	7.6	0.18	<0.02	217	0.4	0.03	4.7	0.68	<0.1	0.07
09-GBC-158	Till	12.8	117.6	0.98	269.1	0.088	<20	1.62	0.017	0.09	<0.1	8.6	0.18	<0.02	236	<0.1	0.03	4.5	0.67	<0.1	0.14
09-GBC-159	Till	8.9	90.7	0.97	164.5	0.086	<20	1.26	0.012	0.06	<0.1	4.3	0.12	<0.02	101	<0.1	<0.02	3.3	0.56	<0.1	0.05
09-GBC-160	Till	12.5	90.9	1.64	211.4	0.086	<20	1.46	0.015	0.10	<0.1	7.0	0.20	<0.02	155	<0.1	0.03	4.6	0.88	<0.1	0.11
09-GBC-161 DUP of 09-GBC-176	Pulp DUP	10.9	82.5	1.17	162.4	0.082	<20	1.04	0.017	0.06	<0.1	5.1	0.14	<0.02	90	<0.1	0.02	3.3	0.57	<0.1	0.16
09-GBC-162	Rock Pulp	24.8	49.5	0.87	50.9	0.059	<20	2.04	0.006	0.11	<0.1	4.3	0.12	<0.02	49	0.5	0.07	5.0	1.01	<0.1	0.03
09-GBC-163	Till	11.0	109.6	1.51	292.4	0.076	<20	1.43	0.020	0.09	<0.1	7.2	0.27	<0.02	191	0.2	0.02	4.4	0.76	<0.1	0.10
09-GBC-164	Till	10.5	102.1	1.53	269.5	0.080	<20	1.37	0.020	0.08	<0.1	7.2	0.25	<0.02	220	<0.1	0.03	4.2	0.77	<0.1	0.09
09-GBC-165	Till	13.8	93.4	1.08	285.0	0.085	<20	1.64	0.019	0.13	<0.1	7.9	0.18	<0.02	242	0.3	0.03	4.4	0.69	<0.1	0.13
09-GBC-166	Till	12.8	75.6	1.14	238.3	0.094	<20	1.51	0.021	0.12	<0.1	6.6	0.23	<0.02	213	0.1	<0.02	4.1	0.89	<0.1	0.16
09-GBC-167	Till	12.7	80.6	1.25	227.3	0.096	<20	1.65	0.022	0.13	<0.1	8.1	0.28	<0.02	246	0.3	0.03	5.1	1.14	<0.1	0.14
09-GBC-168	Till	12.7	99.7	1.27	317.2	0.104	<20	1.69	0.028	0.12	<0.1	8.8	0.27	<0.02	251	<0.1	0.03	5.9	0.75	<0.1	0.16
09-GBC-169	Till	10.1	90.7	1.28	265.1	0.076	<20	1.28	0.023	0.10	<0.1	5.9	0.16	<0.02	70	<0.1	0.04	4.1	0.86	<0.1	0.16
09-GBC-170	Till	11.6	88.2	0.97	317.3	0.063	<20	1.79	0.018	0.11	<0.1	6.5	0.15	<0.02	78	0.2	0.04	5.2	1.01	<0.1	0.10
09-GBC-171	Till	9.1	76.1	0.83	208.0	0.065	<20	1.03	0.015	0.06	<0.1	4.7	0.09	<0.02	41	0.3	<0.02	2.9	0.48	<0.1	0.11
09-GBC-172	Till	7.9	60.8	0.65	219.5	0.060	<20	1.13	0.013	0.05	<0.1	3.9	0.08	<0.02	36	<0.1	<0.02	3.2	0.56	<0.1	0.04
09-GBC-173	Till	11.0	86.1	1.24	243.2	0.065	<20	1.46	0.016	0.10	<0.1	6.9	0.20	<0.02	95	0.3	0.02	4.3	1.08	<0.1	0.16
09-GBC-174	Till	11.1	99.2	0.84	340.1	0.078	<20	1.15	0.022	0.08	<0.1	5.9	0.15	<0.02	79	0.1	0.03	3.6	0.73	<0.1	0.15
09-GBC-175	Till	11.5	113.8	1.60	217.4	0.080	<20	1.54	0.019	0.10	<0.1	7.3	0.28	<0.02	150	0.4	0.03	4.4	0.93	<0.1	0.14
09-GBC-176	Till	10.2	76.0	1.16	145.8	0.080	<20	1.01	0.017	0.06	<0.1	4.6	0.12	<0.02	77	<0.1	0.02	3.1	0.55	<0.1	0.13
09-GBC-177	Till	11.6	85.8	1.06	204.0	0.083	<20	1.52	0.017	0.09	<0.1	5.7	0.15	<0.02	84	0.2	0.03	4.4	0.88	<0.1	0.08
09-GBC-178	Till	10.1	108.7	1.09	180.7	0.093	<20	1.32	0.014	0.08	<0.1	6.3	0.16	<0.02	101	0.2	<0.02	4.0	0.57	<0.1	0.08
09-GBC-179	Till	12.3	112.8	1.29	315.2	0.085	<20	1.73	0.022	0.09	<0.1	8.1	0.19	<0.02	144	0.3	0.04	4.8	0.93	<0.1	0.09
09-GBC-180	Till	10.4	122.7	2.26	324.9	0.090	<20	1.56	0.020	0.12	<0.1	7.5	0.29	<0.02	156	<0.1	0.04	5.1	0.98	<0.1	0.15
09-GBC-181 DUP of 09-GBC-192	Pulp DUP	11.2	56.9	0.79	334.9	0.074	<20	1.04	0.018	0.07	<0.1	5.1	0.10	<0.02	69	0.2	0.03	3.1	0.80	<0.1	0.20
09-GBC-182	Rock Pulp	5.8	51.4	1.04	63.0	0.241	<20	2.59	0.034	0.05	0.1	8.0	0.05	0.16	86	1.3	0.07	7.2	0.57	<0.1	0.11

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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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002940A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%	%	%	%	%	%
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01
09-GBC-153	Till	0.05	5.7	1.4	<0.05	6.4	10.65	23.7	0.03	<1	0.5	11.4	<10	<2	61.58	12.01	6.74	4.87	2.76	2.06	1.47
09-GBC-154	Till	0.15	6.1	0.4	<0.05	5.3	12.36	26.7	0.03	<1	0.6	11.2	<10	<2	64.76	12.81	6.40	2.83	1.93	2.27	1.54
09-GBC-155	Till	0.08	6.9	0.7	<0.05	3.4	21.24	23.6	0.04	<1	0.7	14.5	<10	<2	60.24	13.15	7.83	3.89	2.05	1.93	1.47
09-GBC-156	Till	0.23	5.3	0.7	<0.05	3.3	7.96	20.3	0.02	<1	0.3	8.7	<10	<2	69.72	11.75	4.53	2.33	2.20	2.59	1.39
09-GBC-157	Till	0.22	5.9	0.9	<0.05	3.7	11.90	23.4	<0.02	<1	0.5	10.0	<10	2	66.55	12.24	5.77	2.69	1.90	2.32	1.48
09-GBC-158	Till	0.10	5.5	0.4	<0.05	5.8	11.38	25.9	0.02	<1	0.5	9.2	<10	<2	65.90	12.23	6.19	2.56	2.07	2.36	1.54
09-GBC-159	Till	0.36	5.7	0.3	<0.05	2.1	5.43	20.0	<0.02	<1	0.3	9.7	<10	<2	69.65	11.51	4.62	2.53	1.91	2.60	1.51
09-GBC-160	Till	0.13	6.0	0.9	<0.05	4.8	11.21	24.0	0.03	<1	0.4	14.0	<10	<2	67.65	10.06	4.81	3.57	2.65	1.79	1.25
09-GBC-161 DUP of 09-GBC-176	Pulp DUP	0.05	3.9	0.3	<0.05	5.9	8.77	23.5	<0.02	<1	0.3	8.2	<10	<2	68.36	10.56	4.62	2.99	3.69	2.51	1.31
09-GBC-162	Rock Pulp	0.32	12.1	<0.1	<0.05	1.2	5.58	58.3	<0.02	<1	0.4	34.3	<10	<2	62.58	16.29	6.68	2.13	1.25	1.70	2.86
09-GBC-163	Till	0.06	5.6	1.1	<0.05	4.6	10.28	22.5	0.03	<1	0.3	10.5	<10	<2	64.46	11.60	5.88	3.57	3.04	2.25	1.52
09-GBC-164	Till	0.08	6.1	0.7	<0.05	4.3	9.44	21.0	<0.02	<1	0.4	11.1	<10	2	64.67	11.46	5.59	3.55	3.31	2.28	1.51
09-GBC-165	Till	0.10	6.4	0.8	<0.05	6.9	13.12	25.2	0.03	<1	0.5	11.5	<10	3	64.65	12.64	6.16	2.75	2.21	2.28	1.71
09-GBC-166	Till	0.04	8.0	0.7	<0.05	6.7	10.01	25.8	0.03	<1	0.4	13.0	<10	<2	63.09	12.41	5.94	2.85	4.11	2.34	1.71
09-GBC-167	Till	0.05	9.5	0.6	<0.05	6.7	9.91	27.1	0.03	<1	0.4	14.4	<10	2	61.34	12.74	6.22	3.03	4.30	2.23	1.78
09-GBC-168	Till	0.05	6.4	1.7	<0.05	7.6	11.73	24.3	0.02	<1	0.5	12.5	<10	3	64.50	12.53	6.49	3.13	2.42	2.32	1.68
09-GBC-169	Till	0.04	6.3	0.4	<0.05	6.3	9.11	19.8	<0.02	<1	0.3	10.6	<10	<2	65.89	10.98	5.21	3.13	4.02	2.22	1.40
09-GBC-170	Till	0.13	7.9	1.1	<0.05	4.5	12.09	23.5	0.03	1	0.4	11.4	<10	<2	65.19	12.94	5.77	2.53	1.76	2.02	1.55
09-GBC-171	Till	0.14	3.8	0.3	<0.05	4.4	6.81	18.6	<0.02	<1	0.3	7.5	<10	<2	71.22	10.83	4.53	2.24	2.20	2.45	1.30
09-GBC-172	Till	0.31	5.8	0.3	<0.05	1.4	5.10	16.5	<0.02	<1	0.3	7.5	<10	<2	73.33	10.60	3.73	1.90	1.81	2.35	1.26
09-GBC-173	Till	0.08	6.7	1.8	<0.05	5.9	9.94	22.7	0.03	<1	0.4	11.3	<10	<2	61.09	11.54	5.65	2.92	5.62	1.91	1.47
09-GBC-174	Till	0.04	5.8	0.8	<0.05	6.6	10.86	24.1	<0.02	<1	0.3	8.2	<10	3	70.85	10.73	5.23	2.35	2.10	2.28	1.29
09-GBC-175	Till	0.08	6.5	0.6	<0.05	6.5	10.03	23.5	0.03	<1	0.5	11.7	<10	<2	62.30	12.20	6.14	3.77	3.50	2.21	1.52
09-GBC-176	Till	0.05	3.8	0.3	<0.05	5.8	8.22	21.2	<0.02	<1	0.3	6.3	<10	2	68.28	10.62	4.63	3.01	3.73	2.53	1.32
09-GBC-177	Till	0.08	7.1	0.7	<0.05	3.9	10.26	25.5	0.03	<1	0.4	10.1	<10	2	67.36	12.34	5.44	2.69	1.88	2.30	1.52
09-GBC-178	Till	0.18	7.8	0.3	<0.05	3.3	7.85	20.2	<0.02	<1	0.3	9.0	<10	<2	68.10	11.84	5.30	2.83	1.89	2.43	1.53
09-GBC-179	Till	0.08	6.9	0.4	<0.05	4.7	11.79	24.8	0.02	<1	0.5	12.2	<10	3	65.93	12.29	5.95	3.15	2.07	2.19	1.40
09-GBC-180	Till	0.03	6.9	0.8	<0.05	6.6	9.80	21.6	0.02	2	0.5	11.0	<10	2	59.28	11.26	6.33	4.99	5.10	1.94	1.46
09-GBC-181 DUP of 09-GBC-192	Pulp DUP	0.09	4.5	0.2	<0.05	7.1	9.30	24.6	<0.02	<1	0.3	7.8	<10	<2	68.41	11.26	4.87	2.20	3.58	2.33	1.32
09-GBC-182	Rock Pulp	0.82	3.1	0.3	<0.05	4.4	9.39	15.2	0.03	2	0.3	6.9	12	<2	45.36	13.66	10.85	4.29	6.49	2.00	0.72

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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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002940A.2

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
	Analyte	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
	Unit	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	MDL	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3	5	1	-5.1	0.01	0.02	0.02
09-GBC-153	Till	0.75	0.18	0.11	0.046	61	956	104	272	23	221	129	42	22	11	16	7.1	99.91	0.58	<0.02
09-GBC-154	Till	0.78	0.18	0.10	0.054	60	970	97	178	<20	247	150	44	21	10	17	6.1	99.94	0.49	<0.02
09-GBC-155	Till	0.78	0.19	0.12	0.060	82	1050	118	327	27	212	162	46	30	6	20	8.0	99.92	0.45	<0.02
09-GBC-156	Till	0.84	0.17	0.07	0.043	33	859	85	110	<20	267	175	45	20	8	14	4.1	99.96	0.37	<0.02
09-GBC-157	Till	0.81	0.18	0.07	0.047	53	970	104	144	<20	243	140	43	23	11	15	5.7	99.94	0.51	<0.02
09-GBC-158	Till	0.76	0.19	0.10	0.043	57	998	107	162	<20	257	145	43	21	9	16	5.8	99.94	0.41	<0.02
09-GBC-159	Till	0.81	0.16	0.07	0.051	30	903	72	132	<20	260	149	35	17	10	12	4.4	99.95	0.48	<0.02
09-GBC-160	Till	0.61	0.16	0.10	0.031	44	993	84	152	<20	206	107	42	20	7	13	7.1	99.93	1.04	<0.02
09-GBC-161 DUP of 09-GBC-176	Pulp DUP	0.71	0.20	0.09	0.028	37	813	72	126	<20	280	108	40	19	8	12	4.7	99.94	0.55	<0.02
09-GBC-162	Rock Pulp	0.90	0.16	0.06	0.018	73	598	90	38	<20	220	361	130	31	20	16	5.1	99.95	0.43	<0.02
09-GBC-163	Till	0.71	0.19	0.12	0.048	57	1006	109	200	23	256	136	36	19	9	15	6.3	99.92	0.53	<0.02
09-GBC-164	Till	0.72	0.19	0.12	0.046	54	985	104	190	22	262	144	44	20	8	14	6.3	99.94	0.64	<0.02
09-GBC-165	Till	0.77	0.21	0.13	0.037	58	1033	103	183	<20	274	154	47	25	8	16	6.2	99.94	0.62	<0.02
09-GBC-166	Till	0.78	0.22	0.11	0.031	52	992	106	123	22	307	154	47	21	10	15	6.1	99.94	0.59	<0.02
09-GBC-167	Till	0.75	0.22	0.12	0.030	61	995	117	121	23	309	146	43	21	9	16	7.0	99.94	0.70	<0.02
09-GBC-168	Till	0.72	0.21	0.14	0.035	59	1085	107	147	20	272	124	35	23	8	16	5.5	99.93	0.30	<0.02
09-GBC-169	Till	0.66	0.17	0.10	0.037	43	905	85	128	<20	253	138	38	18	11	13	5.9	99.94	0.66	<0.02
09-GBC-170	Till	0.74	0.16	0.09	0.033	53	1039	95	134	<20	218	134	40	23	8	15	7.0	99.95	0.82	<0.02
09-GBC-171	Till	0.68	0.15	0.08	0.047	32	831	65	114	<20	253	158	43	19	12	12	4.1	99.96	0.43	<0.02
09-GBC-172	Till	0.71	0.10	0.06	0.035	26	845	59	75	<20	225	141	40	17	9	11	3.9	99.97	0.57	<0.02
09-GBC-173	Till	0.67	0.17	0.11	0.035	51	929	91	137	21	242	120	39	19	8	14	8.6	99.94	1.29	<0.02
09-GBC-174	Till	0.67	0.17	0.12	0.043	44	970	85	137	<20	238	159	49	20	6	13	3.9	99.95	0.20	<0.02
09-GBC-175	Till	0.73	0.19	0.11	0.034	61	925	107	186	22	241	113	37	20	10	15	7.0	99.93	0.74	<0.02
09-GBC-176	Till	0.71	0.20	0.09	0.028	37	807	71	120	<20	281	113	45	18	6	12	4.6	99.94	0.56	<0.02
09-GBC-177	Till	0.76	0.17	0.11	0.033	43	894	84	122	<20	243	139	42	20	13	14	5.2	99.95	0.41	<0.02
09-GBC-178	Till	0.81	0.13	0.08	0.045	40	936	87	159	<20	240	140	37	19	9	13	4.8	99.95	0.43	<0.02
09-GBC-179	Till	0.75	0.19	0.10	0.043	52	969	95	150	<20	238	148	37	22	9	15	5.7	99.93	0.30	<0.02
09-GBC-180	Till	0.71	0.18	0.13	0.041	63	1007	115	246	33	253	119	40	19	8	14	8.3	99.90	1.09	<0.02
09-GBC-181 DUP of 09-GBC-192	Pulp DUP	0.75	0.19	0.09	0.025	38	987	73	68	<20	285	150	41	20	7	12	4.8	99.95	0.57	<0.02
09-GBC-182	Rock Pulp	1.32	0.18	0.21	0.026	105	255	97	61	29	264	273	34	24	8	28	14.6	99.88	4.54	0.17

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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002940A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
09-GBC-183	Till	0.91	61.34	7.17	98.4	113	205.2	14.2	534	3.57	10.2	1.1	4.4	2.5	39.7	0.29	0.57	0.15	69	0.56	0.077
09-GBC-184	Till	0.83	53.44	7.05	93.1	249	150.3	13.7	459	3.29	9.3	0.8	2.8	2.7	43.1	0.29	0.48	0.14	65	0.55	0.074
09-GBC-185	Till	0.82	52.85	6.84	85.5	140	142.1	12.5	419	3.20	9.1	0.8	2.7	2.8	43.2	0.24	0.43	0.13	62	0.55	0.083
09-GBC-186	Till	1.70	50.53	8.68	86.7	101	123.1	17.6	697	3.20	11.5	0.7	1.7	2.8	85.5	0.73	0.62	0.15	66	2.17	0.100
09-GBC-187	Till	2.34	64.43	9.74	117.5	129	185.9	24.2	832	3.53	20.6	0.6	3.0	2.8	106.2	1.02	0.67	0.15	72	2.37	0.083
09-GBC-188	Till	0.83	43.29	6.73	72.4	70	157.8	14.4	560	2.97	8.7	0.9	1.3	2.2	30.4	0.35	0.45	0.09	59	0.41	0.072
09-GBC-189	Till	1.38	60.40	10.23	104.4	95	169.9	21.2	1001	3.64	12.6	0.6	1.3	3.1	46.8	0.74	0.58	0.18	69	0.81	0.084
09-GBC-190	Till	1.10	62.58	9.06	98.3	103	171.7	19.5	832	3.62	11.6	0.6	1.7	2.9	44.7	0.56	0.60	0.15	71	0.55	0.088
09-GBC-191	Till	1.04	49.17	8.04	83.9	79	106.3	14.7	713	3.08	9.7	0.7	1.7	2.8	47.8	0.34	0.54	0.13	63	0.60	0.092
09-GBC-192	Till	0.95	37.79	6.73	64.8	63	59.4	10.5	579	2.60	8.1	0.5	1.1	2.3	56.4	0.45	0.58	0.12	54	1.43	0.084
09-GBC-193	Till	0.97	49.14	7.63	85.3	139	111.3	15.1	756	3.00	10.1	0.5	3.4	2.4	55.3	0.54	0.77	0.12	61	1.85	0.089
09-GBC-194	Till	0.86	50.38	7.46	73.2	82	112.7	12.0	524	2.92	10.1	0.5	1.3	2.3	49.3	0.36	0.60	0.12	58	2.09	0.069
09-GBC-195	Till	1.11	64.84	8.23	92.9	184	143.8	12.8	521	3.46	10.0	0.7	2.7	2.6	37.9	0.27	0.44	0.14	67	0.48	0.075
09-GBC-196	Till	1.06	52.45	7.84	88.4	72	133.9	15.7	792	2.99	10.6	0.5	0.8	2.4	50.2	0.55	0.59	0.12	58	1.48	0.081
09-GBC-197	Till	0.71	42.72	5.17	54.3	74	115.7	11.8	488	2.64	6.9	0.7	2.1	2.3	26.8	0.14	0.50	0.08	51	0.36	0.049
09-GBC-198	Till	1.03	46.95	7.44	72.5	136	124.2	14.1	560	3.06	11.5	0.6	3.9	2.3	31.1	0.28	0.63	0.14	57	0.64	0.066
09-GBC-199	Till	1.24	58.59	7.72	91.3	110	178.1	16.7	660	3.13	13.0	0.6	2.5	2.5	70.4	0.63	0.82	0.16	57	2.80	0.074
09-GBC-200	Till	0.92	48.10	8.12	77.0	131	109.2	14.5	851	3.09	10.3	0.5	0.8	2.5	35.2	0.26	0.80	0.12	60	0.62	0.079
09-GBC-202	Rock Pulp	18.96	172.31	7.60	54.3	85	14.1	10.0	473	4.42	6.1	0.5	23.5	1.4	58.1	0.26	0.14	0.60	100	0.78	0.054
09-GBC-203	Till	0.96	46.62	7.46	80.7	109	90.3	12.5	646	2.74	8.8	0.5	1.9	2.4	60.5	0.48	0.55	0.12	54	2.31	0.078
09-GBC-204	Till	0.99	48.41	7.72	81.1	151	97.6	13.4	683	2.80	10.1	0.6	1.3	2.4	76.6	0.66	0.62	0.12	55	3.65	0.079
09-GBC-205	Till	2.72	68.89	17.20	189.0	255	90.5	21.1	1011	3.59	16.7	0.5	0.7	3.5	51.8	1.53	1.63	0.18	69	0.71	0.133
09-GBC-206	Till	1.37	63.82	9.00	111.3	107	126.7	15.9	679	3.39	14.9	0.5	2.2	2.9	42.4	0.68	0.91	0.15	59	0.93	0.088
09-GBC-207	Till	1.24	76.36	12.75	95.8	342	106.6	17.6	982	3.78	13.4	0.7	3.7	3.3	43.6	0.44	0.49	0.18	67	0.87	0.084
09-GBC-208	Till	1.07	52.44	8.51	82.5	91	169.1	14.8	666	3.16	10.2	0.6	2.7	2.5	40.2	0.25	0.64	0.13	62	0.54	0.074
09-GBC-209	Till	1.45	80.65	17.94	126.9	760	89.9	17.4	966	4.31	15.2	0.9	2.1	3.3	82.1	0.30	0.52	0.22	78	0.60	0.079
09-GBC-210	Till	1.00	53.11	8.96	94.4	204	117.5	15.0	663	3.10	10.7	0.6	3.3	2.5	128.6	0.86	0.52	0.12	65	4.51	0.098
09-GBC-211	Till	1.57	60.44	10.46	118.2	99	149.3	20.1	799	3.55	13.4	0.6	2.7	2.9	90.7	1.01	0.69	0.15	70	2.22	0.099
09-GBC-212	Till	0.91	54.21	8.95	96.6	161	109.9	13.6	680	3.57	9.2	0.7	1.7	3.0	54.0	0.28	0.46	0.14	71	0.62	0.092
09-GBC-213	Till	1.59	57.39	10.30	109.8	132	150.4	18.1	797	3.47	12.2	0.6	95.4	2.6	94.5	0.82	0.49	0.13	68	2.37	0.084

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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002940A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
09-GBC-183	Till	14.8	124.4	1.33	307.7	0.089	<20	1.74	0.018	0.09	<0.1	9.4	0.22	<0.02	273	<0.1	0.04	5.1	0.77	<0.1	0.07
09-GBC-184	Till	15.9	110.8	1.21	310.2	0.094	<20	1.67	0.017	0.09	<0.1	8.1	0.18	<0.02	149	<0.1	0.04	5.4	0.76	<0.1	0.09
09-GBC-185	Till	16.4	110.2	1.21	297.4	0.092	<20	1.61	0.017	0.09	<0.1	8.7	0.19	<0.02	141	<0.1	0.04	5.2	0.74	<0.1	0.07
09-GBC-186	Till	13.6	76.0	1.17	282.0	0.087	<20	1.27	0.028	0.09	<0.1	5.6	0.32	<0.02	142	<0.1	0.05	3.9	0.85	<0.1	0.14
09-GBC-187	Till	12.8	105.7	2.00	305.4	0.095	<20	1.63	0.023	0.14	<0.1	8.2	0.34	<0.02	171	<0.1	0.05	5.4	1.10	<0.1	0.13
09-GBC-188	Till	13.1	120.9	1.06	202.8	0.082	<20	1.24	0.015	0.08	<0.1	6.8	0.19	<0.02	164	<0.1	0.03	3.9	0.58	<0.1	0.07
09-GBC-189	Till	14.8	101.3	1.54	298.0	0.097	<20	1.63	0.020	0.13	<0.1	8.0	0.28	<0.02	134	<0.1	0.05	5.3	1.23	<0.1	0.18
09-GBC-190	Till	14.7	114.7	1.46	258.4	0.089	<20	1.71	0.020	0.12	<0.1	8.2	0.25	<0.02	159	<0.1	0.06	5.9	1.09	<0.1	0.17
09-GBC-191	Till	14.7	78.7	1.13	272.6	0.091	<20	1.48	0.021	0.08	<0.1	7.2	0.17	<0.02	136	<0.1	0.04	4.7	0.94	<0.1	0.14
09-GBC-192	Till	12.9	58.0	0.83	359.5	0.077	<20	1.08	0.020	0.08	<0.1	4.9	0.10	<0.02	72	<0.1	0.04	3.6	0.85	<0.1	0.20
09-GBC-193	Till	13.4	86.1	1.14	404.7	0.090	<20	1.45	0.022	0.13	<0.1	6.8	0.20	<0.02	133	<0.1	0.04	5.0	1.23	<0.1	0.11
09-GBC-194	Till	12.4	85.4	1.16	395.8	0.074	<20	1.37	0.025	0.10	<0.1	6.2	0.15	<0.02	122	<0.1	0.04	4.6	0.91	<0.1	0.12
09-GBC-195	Till	14.1	109.1	1.19	315.1	0.064	<20	1.78	0.019	0.13	<0.1	8.1	0.19	<0.02	108	0.2	0.05	5.6	1.15	<0.1	0.12
09-GBC-196	Till	12.9	92.2	1.25	395.6	0.082	<20	1.31	0.021	0.12	<0.1	6.5	0.18	<0.02	112	<0.1	0.05	4.6	0.96	<0.1	0.14
09-GBC-197	Till	15.8	106.4	0.77	249.9	0.092	<20	1.11	0.013	0.08	<0.1	6.1	0.14	<0.02	121	<0.1	<0.02	3.7	0.61	<0.1	0.13
09-GBC-198	Till	13.2	88.1	1.13	384.6	0.073	<20	1.50	0.016	0.09	<0.1	7.3	0.19	<0.02	118	<0.1	0.04	4.4	0.89	<0.1	0.07
09-GBC-199	Till	12.3	125.2	1.65	446.7	0.081	<20	1.35	0.019	0.10	<0.1	5.9	0.19	<0.02	138	<0.1	0.06	4.1	1.01	<0.1	0.16
09-GBC-200	Till	15.4	81.8	0.93	379.7	0.075	<20	1.43	0.018	0.10	<0.1	6.5	0.14	<0.02	148	<0.1	0.04	4.5	1.01	<0.1	0.11
09-GBC-202	Rock Pulp	5.3	21.2	0.71	59.8	0.141	<20	2.09	0.029	0.04	<0.1	5.6	0.03	0.61	30	3.0	0.54	6.3	0.37	<0.1	0.15
09-GBC-203	Till	13.7	68.5	0.99	358.6	0.068	<20	1.38	0.018	0.11	<0.1	5.5	0.15	<0.02	158	<0.1	0.02	4.3	1.24	<0.1	0.05
09-GBC-204	Till	12.6	78.7	1.05	430.5	0.066	<20	1.39	0.020	0.12	<0.1	5.6	0.17	<0.02	188	<0.1	0.03	4.5	1.37	<0.1	0.06
09-GBC-205	Till	21.8	59.9	1.06	329.0	0.044	<20	1.95	0.016	0.22	<0.1	7.8	0.46	<0.02	218	0.3	0.06	6.6	4.30	<0.1	0.10
09-GBC-206	Till	15.2	92.9	1.20	473.7	0.071	<20	1.52	0.019	0.12	<0.1	7.8	0.20	<0.02	132	<0.1	0.05	5.0	1.16	<0.1	0.13
09-GBC-207	Till	20.6	79.3	1.07	529.7	0.076	<20	1.94	0.023	0.12	<0.1	9.7	0.20	<0.02	125	0.2	0.04	5.9	1.14	<0.1	0.09
09-GBC-208	Till	14.8	110.2	1.36	295.7	0.084	<20	1.54	0.019	0.09	<0.1	7.7	0.19	<0.02	134	<0.1	0.04	5.0	0.89	<0.1	0.11
09-GBC-209	Till	16.3	61.2	1.15	680.2	0.047	<20	2.50	0.034	0.15	<0.1	11.6	0.21	<0.02	116	0.5	0.05	7.6	1.97	<0.1	0.12
09-GBC-210	Till	11.7	82.6	1.50	280.3	0.086	<20	1.52	0.023	0.11	<0.1	7.2	0.23	<0.02	174	<0.1	0.03	4.8	0.96	<0.1	0.13
09-GBC-211	Till	13.7	98.2	1.57	280.7	0.096	<20	1.65	0.021	0.12	<0.1	7.6	0.32	<0.02	242	0.1	0.05	5.3	1.15	<0.1	0.19
09-GBC-212	Till	17.2	87.5	1.07	252.5	0.103	<20	1.82	0.023	0.11	<0.1	8.3	0.20	<0.02	122	0.2	0.04	5.5	1.05	<0.1	0.15
09-GBC-213	Till	12.8	93.3	1.59	229.1	0.087	<20	1.59	0.022	0.13	<0.1	7.9	0.30	<0.02	164	0.3	0.04	4.9	0.99	<0.1	0.13

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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002940A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%	%	%	%	%	%
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01
09-GBC-183	Till	0.25	7.1	0.5	<0.05	4.5	16.18	25.2	0.03	<1	0.4	12.4	<10	3	65.39	11.96	6.15	3.12	2.15	2.16	1.38
09-GBC-184	Till	0.24	7.1	0.7	<0.05	4.4	14.73	28.7	0.03	<1	0.5	11.8	<10	<2	67.04	12.07	5.69	2.87	1.92	2.31	1.40
09-GBC-185	Till	0.23	7.1	0.4	<0.05	4.1	15.09	28.1	0.04	<1	0.5	11.7	<10	<2	67.27	11.94	5.59	2.84	1.91	2.30	1.41
09-GBC-186	Till	0.07	6.4	0.5	<0.05	7.2	10.64	30.3	0.03	<1	0.3	10.1	<10	<2	62.79	12.07	5.83	2.86	4.82	2.57	1.67
09-GBC-187	Till	0.05	8.5	1.1	<0.05	6.2	11.46	27.4	0.04	2	0.6	13.1	<10	<2	60.53	11.71	6.18	4.35	4.49	2.08	1.56
09-GBC-188	Till	0.15	5.3	1.2	<0.05	4.5	10.83	26.1	0.02	1	0.4	7.0	<10	<2	69.52	10.91	5.60	2.67	2.10	2.38	1.28
09-GBC-189	Till	0.05	8.7	0.7	<0.05	9.1	12.48	31.2	0.04	<1	0.3	12.1	<10	2	64.55	12.03	6.51	3.63	2.37	2.17	1.52
09-GBC-190	Till	0.08	7.8	0.8	<0.05	8.4	13.13	28.9	0.03	1	0.7	12.7	<10	4	64.30	12.70	6.39	3.46	1.92	2.14	1.61
09-GBC-191	Till	0.08	6.0	0.4	<0.05	6.7	12.32	30.8	0.04	<1	0.3	11.6	<10	4	67.54	12.13	5.45	2.76	2.10	2.44	1.48
09-GBC-192	Till	0.09	5.2	0.2	<0.05	8.7	9.61	25.5	<0.02	<1	0.4	8.7	<10	<2	68.84	11.10	4.83	2.18	3.52	2.38	1.35
09-GBC-193	Till	0.11	8.8	0.4	<0.05	6.6	10.40	28.3	0.03	<1	0.3	10.9	<10	<2	66.38	10.79	5.40	2.80	3.84	2.07	1.38
09-GBC-194	Till	0.07	6.2	1.1	<0.05	5.8	10.52	25.2	0.04	<1	0.2	10.8	<10	3	66.53	10.49	5.13	2.76	4.22	2.08	1.26
09-GBC-195	Till	0.07	8.5	0.8	<0.05	5.0	13.72	24.3	0.04	<1	0.3	13.1	<10	<2	66.04	12.66	6.02	2.88	1.77	2.07	1.53
09-GBC-196	Till	0.04	7.5	1.0	<0.05	6.1	10.51	26.1	0.03	1	0.3	10.4	<10	<2	67.58	10.72	5.27	3.02	3.34	2.16	1.37
09-GBC-197	Till	0.19	6.4	0.5	<0.05	5.8	11.14	29.4	0.03	<1	0.3	7.8	<10	2	72.41	10.55	4.73	2.13	1.81	2.44	1.29
09-GBC-198	Till	0.29	7.3	0.5	<0.05	3.0	11.60	26.4	0.02	<1	0.6	12.4	<10	<2	69.65	10.50	5.40	2.71	1.94	1.91	1.24
09-GBC-199	Till	0.07	6.5	0.4	<0.05	6.3	10.13	23.8	0.03	2	0.4	11.0	<10	<2	63.04	10.13	5.57	3.88	5.20	1.89	1.32
09-GBC-200	Till	0.09	6.2	0.5	<0.05	5.9	12.55	27.5	0.03	<1	0.3	9.9	<10	2	68.75	11.45	5.55	2.39	2.08	2.26	1.41
09-GBC-202	Rock Pulp	0.24	1.9	0.6	<0.05	5.9	6.98	10.7	0.08	40	0.2	4.8	<10	<2	60.18	14.69	8.28	2.20	4.04	2.21	1.13
09-GBC-203	Till	0.09	7.7	0.4	<0.05	3.7	9.90	26.3	0.03	<1	0.5	12.8	<10	3	65.66	11.28	4.93	2.50	4.41	2.16	1.45
09-GBC-204	Till	0.10	7.7	0.4	<0.05	4.4	11.28	25.9	0.03	<1	0.4	12.1	<10	2	62.09	11.02	5.07	2.62	6.44	2.02	1.44
09-GBC-205	Till	0.03	13.9	0.5	<0.05	5.0	14.10	43.0	0.05	<1	0.8	21.0	<10	<2	63.35	14.12	6.13	2.68	1.60	1.94	2.53
09-GBC-206	Till	0.04	7.7	0.7	<0.05	6.8	12.13	28.6	0.04	<1	0.3	12.8	<10	<2	66.64	11.80	5.86	2.94	2.38	2.02	1.51
09-GBC-207	Till	0.10	7.9	2.0	<0.05	4.9	23.80	33.2	0.04	<1	0.5	15.0	<10	<2	63.90	13.10	6.46	2.58	2.42	2.02	1.47
09-GBC-208	Till	0.13	6.5	1.1	<0.05	5.4	12.69	28.5	0.03	2	0.6	13.0	<10	<2	67.55	11.57	5.57	3.20	1.83	2.21	1.33
09-GBC-209	Till	0.19	11.6	4.3	<0.05	5.8	20.19	30.7	0.06	1	0.7	22.1	<10	<2	58.40	15.92	7.14	2.58	1.54	1.73	1.76
09-GBC-210	Till	0.15	7.0	2.1	<0.05	5.9	10.56	24.0	0.04	1	0.3	12.5	<10	2	57.72	11.38	5.33	3.28	7.59	2.06	1.42
09-GBC-211	Till	0.07	8.1	2.8	<0.05	8.0	12.01	26.9	0.03	<1	0.5	13.7	<10	18	60.89	12.29	6.27	3.72	4.32	2.09	1.55
09-GBC-212	Till	0.12	7.4	0.7	<0.05	6.7	13.99	30.7	0.03	<1	0.5	13.8	<10	4	65.88	13.17	5.83	2.50	1.73	2.38	1.64
09-GBC-213	Till	0.06	7.7	2.7	<0.05	7.0	11.15	24.9	0.03	<1	0.4	12.3	<10	3	62.49	11.62	5.87	3.47	4.49	2.10	1.53

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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002940A.2

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
	Analyte	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
	Unit	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	MDL	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3	5	1	-5.1	0.01	0.02	0.02
09-GBC-183	Till	0.76	0.18	0.08	0.048	60	964	93	230	<20	227	137	<30	25	<5	16	6.3	99.91	0.66	<0.02
09-GBC-184	Till	0.79	0.18	0.07	0.041	60	958	93	164	<20	238	136	46	24	13	16	5.3	99.93	0.46	<0.02
09-GBC-185	Till	0.79	0.19	0.07	0.042	58	963	118	157	<20	238	133	43	24	13	16	5.4	99.93	0.41	<0.02
09-GBC-186	Till	0.73	0.22	0.11	0.031	56	957	98	138	20	350	166	45	22	12	13	6.0	99.92	0.69	<0.02
09-GBC-187	Till	0.73	0.20	0.13	0.040	64	1021	126	202	26	283	123	40	20	8	15	7.7	99.90	0.96	<0.02
09-GBC-188	Till	0.74	0.18	0.10	0.062	50	813	81	181	<20	249	168	38	23	11	15	4.2	99.94	0.29	<0.02
09-GBC-189	Till	0.77	0.21	0.15	0.039	67	979	109	193	27	236	132	49	23	12	15	5.8	99.91	0.31	<0.02
09-GBC-190	Till	0.78	0.21	0.13	0.041	65	1012	111	192	22	236	137	42	23	7	16	6.0	99.92	0.36	<0.02
09-GBC-191	Till	0.76	0.21	0.11	0.030	58	947	92	124	<20	264	125	47	22	11	14	4.7	99.93	0.25	<0.02
09-GBC-192	Till	0.74	0.21	0.09	0.026	41	1003	73	71	<20	287	156	45	20	8	13	4.5	99.95	0.48	<0.02
09-GBC-193	Till	0.68	0.21	0.11	0.032	56	1036	87	132	<20	235	127	39	21	10	14	6.0	99.92	0.74	<0.02
09-GBC-194	Till	0.65	0.20	0.09	0.033	49	1035	80	130	<20	228	125	<30	20	<5	13	6.3	99.92	0.79	<0.02
09-GBC-195	Till	0.72	0.18	0.08	0.036	66	1007	98	156	<20	218	129	35	24	8	17	5.7	99.92	0.37	<0.02
09-GBC-196	Till	0.69	0.18	0.11	0.037	61	1051	88	150	<20	231	130	<30	20	9	13	5.2	99.93	0.51	<0.02
09-GBC-197	Till	0.74	0.11	0.08	0.048	48	872	60	131	<20	235	151	44	22	11	13	3.4	99.95	0.30	<0.02
09-GBC-198	Till	0.66	0.15	0.09	0.075	53	1040	79	144	<20	192	137	42	20	10	14	5.4	99.94	0.59	<0.02
09-GBC-199	Till	0.66	0.17	0.10	0.040	63	1114	93	201	21	220	123	47	19	8	14	7.7	99.90	1.08	<0.02
09-GBC-200	Till	0.73	0.19	0.13	0.035	55	1061	85	127	<20	235	152	43	24	10	14	4.8	99.94	0.36	<0.02
09-GBC-202	Rock Pulp	0.95	0.15	0.11	0.009	188	459	63	21	<20	326	119	35	19	8	21	5.8	99.93	0.57	0.54
09-GBC-203	Till	0.71	0.21	0.10	0.028	45	1062	84	112	<20	238	136	41	20	7	13	6.3	99.93	0.85	<0.02
09-GBC-204	Till	0.67	0.18	0.10	0.030	59	1076	88	112	<20	244	135	40	21	13	14	8.0	99.94	1.32	<0.02
09-GBC-205	Till	0.75	0.28	0.14	0.024	73	1263	205	98	26	171	148	51	25	13	17	6.2	99.91	0.49	<0.02
09-GBC-206	Till	0.74	0.19	0.11	0.033	64	1215	112	148	<20	213	140	43	23	8	15	5.5	99.92	0.36	<0.02
09-GBC-207	Till	0.76	0.19	0.15	0.025	74	1151	93	122	22	242	158	52	32	5	17	6.6	99.93	0.53	<0.02
09-GBC-208	Till	0.75	0.16	0.10	0.042	56	967	86	191	<20	218	126	34	23	11	15	5.4	99.93	0.41	<0.02
09-GBC-209	Till	0.74	0.18	0.12	0.018	79	1346	123	89	<20	236	131	38	28	10	20	9.5	99.92	0.99	<0.02
09-GBC-210	Till	0.69	0.20	0.10	0.031	57	914	96	132	<20	307	127	34	20	9	15	9.9	99.92	1.64	<0.02
09-GBC-211	Till	0.75	0.20	0.11	0.036	86	997	125	170	22	267	128	31	22	10	16	7.5	99.91	0.82	<0.02
09-GBC-212	Till	0.81	0.20	0.09	0.024	58	967	94	125	<20	240	120	33	23	11	15	5.5	99.93	0.35	<0.02
09-GBC-213	Till	0.72	0.20	0.11	0.032	62	943	110	163	22	277	138	37	20	6	15	7.1	99.91	0.89	<0.02

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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002940A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
09-GBC-214	Till	1.66	57.33	11.17	99.2	63	212.8	22.4	692	3.63	13.9	0.6	2.1	2.7	69.5	0.77	0.48	0.14	67	1.83	0.091
09-GBC-215	Till	1.22	61.24	11.68	88.8	75	208.7	20.1	761	3.54	11.3	0.6	1.8	2.5	72.5	0.54	0.39	0.15	70	2.80	0.072
09-GBC-216	Till	1.37	72.81	10.88	113.2	171	190.0	17.3	649	3.96	13.2	0.9	3.6	3.2	45.6	0.47	0.60	0.15	75	0.48	0.073
09-GBC-217	Till	3.09	70.32	15.44	139.8	391	183.1	26.8	924	3.84	27.5	0.7	33.8	2.6	104.3	1.22	1.08	0.15	75	2.59	0.089
09-GBC-218	Till	1.66	81.81	11.84	132.5	223	186.7	22.3	850	4.18	16.1	0.9	2.5	3.0	53.8	0.57	0.87	0.15	81	0.59	0.094
09-GBC-219	Till	1.88	78.23	10.70	140.8	73	239.5	22.8	805	4.29	17.7	1.0	2.7	3.1	51.3	0.68	0.89	0.15	80	0.56	0.097
09-GBC-220	Till	2.86	77.15	14.41	144.4	181	206.6	32.9	828	3.80	17.4	0.7	2.5	2.3	106.3	1.25	1.17	0.13	78	3.36	0.087
09-GBC-221 DUP of 09-GBC-238	Pulp DUP	0.80	39.43	5.99	69.1	68	100.5	13.7	525	2.59	6.9	0.6	1.7	2.3	89.0	0.48	0.48	0.09	56	2.78	0.089
09-GBC-222	Rock Pulp	0.83	73.92	9.92	78.4	98	40.0	15.6	342	3.85	7.4	0.7	41.0	7.8	24.6	0.10	0.25	0.20	51	0.23	0.063
09-GBC-223	Till	2.73	80.34	8.87	142.8	116	161.4	20.8	646	3.84	15.0	0.6	2.0	2.2	106.2	1.21	0.95	0.16	79	3.21	0.084
09-GBC-224	Till	1.41	60.35	8.28	105.2	144	196.2	18.4	563	3.49	12.8	0.8	2.6	2.2	37.5	0.48	0.63	0.12	68	0.51	0.076
09-GBC-225	Till	2.85	66.95	11.43	131.9	125	198.0	34.1	901	3.63	13.4	0.6	1.8	2.5	99.7	1.09	0.69	0.13	71	2.43	0.081
09-GBC-226	Till	1.62	66.56	8.82	123.3	80	195.6	22.6	726	3.75	12.8	0.5	2.5	2.4	46.5	0.64	0.67	0.13	72	0.87	0.077
09-GBC-227	Till	1.86	58.81	7.91	88.7	109	151.5	22.2	796	3.06	9.5	0.5	2.0	2.4	59.5	0.58	0.51	0.12	53	1.98	0.074
09-GBC-228	Till	1.76	57.61	8.68	89.4	106	153.6	21.4	762	2.99	9.0	0.5	1.4	2.4	59.9	0.56	0.47	0.11	52	1.98	0.075
09-GBC-229	Till	1.55	80.69	11.22	126.6	219	137.0	19.8	796	4.27	14.0	0.7	2.6	2.8	53.1	0.45	0.59	0.14	89	0.67	0.085
09-GBC-230	Till	1.01	56.46	7.79	99.2	88	121.1	19.1	752	3.49	10.2	0.5	1.7	2.5	55.0	0.50	0.48	0.11	68	1.09	0.082
09-GBC-231	Till	0.91	65.07	8.06	90.5	144	187.1	18.5	658	3.80	11.8	0.9	2.4	2.6	38.2	0.20	0.47	0.12	70	0.55	0.067
09-GBC-232	Till	1.42	53.88	9.23	87.1	129	145.9	22.2	789	3.32	11.1	0.5	2.2	2.3	74.3	0.60	0.46	0.14	63	2.54	0.076
09-GBC-233	Till	1.13	57.29	9.87	96.8	71	164.6	28.6	1229	3.62	11.4	0.5	1.8	2.7	44.7	0.66	0.53	0.13	68	1.02	0.082
09-GBC-234	Till	1.62	58.25	8.71	112.9	96	169.5	26.9	900	3.32	11.8	0.6	2.3	2.5	89.1	1.04	0.55	0.14	65	2.75	0.087
09-GBC-235	Till	1.42	56.56	8.48	98.5	78	131.5	20.2	660	3.36	11.3	0.6	1.4	2.5	79.5	0.78	0.51	0.12	66	2.20	0.083
09-GBC-236	Till	0.96	44.00	7.92	80.8	60	118.4	17.9	740	3.03	8.6	0.5	2.7	2.3	35.9	0.41	0.46	0.10	61	0.53	0.077
09-GBC-237	Till	0.97	48.11	6.51	82.0	106	133.9	18.4	645	3.04	8.7	0.7	1.2	2.3	114.7	0.74	0.48	0.10	65	4.83	0.081
09-GBC-238	Till	0.82	39.83	5.84	70.4	66	103.0	13.8	532	2.63	7.2	0.6	1.4	2.4	91.5	0.48	0.42	0.08	58	2.83	0.089
09-GBC-239	Till	1.21	51.93	8.00	95.7	67	156.6	22.0	762	3.32	10.4	0.6	1.4	2.5	75.2	0.74	0.47	0.11	69	2.20	0.087
09-GBC-240	Till	1.45	59.50	7.82	106.9	171	181.9	24.2	984	3.59	12.6	0.6	2.3	2.7	38.0	0.82	0.58	0.12	70	0.66	0.089
09-GBC-241 DUP of 09-GBC-243	Pulp DUP	0.93	34.54	5.56	67.7	33	106.8	13.0	470	2.88	8.2	0.5	2.2	2.1	28.8	0.20	0.47	0.08	60	0.39	0.056
09-GBC-242	Rock Pulp	1.54	103.78	5.08	76.4	100	43.4	25.0	1039	4.86	14.1	0.9	2.6	1.1	58.7	0.31	0.18	0.13	143	1.47	0.071
09-GBC-243	Till	0.90	34.24	5.51	66.6	36	105.9	13.0	466	2.85	8.0	0.5	1.8	2.1	28.6	0.19	0.48	0.07	59	0.39	0.055

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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002940A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
09-GBC-214	Till	12.9	125.9	2.01	255.2	0.099	<20	1.53	0.022	0.12	<0.1	7.9	0.26	<0.02	183	<0.1	0.05	5.2	0.92	<0.1	0.10
09-GBC-215	Till	12.4	133.2	2.07	298.7	0.087	<20	1.72	0.024	0.12	<0.1	7.7	0.21	<0.02	171	0.2	0.06	5.5	1.05	<0.1	0.13
09-GBC-216	Till	14.2	113.5	1.57	267.0	0.088	<20	2.02	0.018	0.13	<0.1	10.1	0.30	<0.02	327	0.4	0.03	6.3	1.18	<0.1	0.11
09-GBC-217	Till	12.7	99.0	1.74	296.4	0.100	<20	1.55	0.020	0.13	<0.1	8.2	0.37	<0.02	229	0.6	0.08	5.4	1.00	<0.1	0.12
09-GBC-218	Till	17.5	131.3	1.26	263.1	0.097	<20	1.86	0.019	0.12	<0.1	10.8	0.32	<0.02	451	0.5	0.06	5.8	1.04	<0.1	0.13
09-GBC-219	Till	16.0	138.0	1.61	274.9	0.098	<20	1.81	0.017	0.13	<0.1	11.4	0.49	<0.02	240	0.7	0.05	5.9	1.12	<0.1	0.11
09-GBC-220	Till	11.0	132.3	1.74	278.4	0.088	<20	1.62	0.014	0.11	<0.1	8.5	0.60	<0.02	254	0.7	0.07	4.9	0.96	<0.1	0.10
09-GBC-221 DUP of 09-GBC-238	Pulp DUP	11.4	81.0	1.26	181.4	0.096	<20	1.18	0.020	0.07	<0.1	5.4	0.17	<0.02	122	0.3	0.03	3.7	0.66	<0.1	0.18
09-GBC-222	Rock Pulp	25.5	47.6	0.87	46.9	0.065	<20	2.07	0.007	0.11	<0.1	4.5	0.12	<0.02	46	0.4	0.06	5.8	1.03	<0.1	<0.02
09-GBC-223	Till	11.3	119.1	1.58	291.3	0.077	<20	1.59	0.015	0.11	<0.1	8.8	0.39	<0.02	734	0.7	0.06	5.0	0.88	<0.1	0.11
09-GBC-224	Till	13.4	125.5	1.40	204.4	0.082	<20	1.59	0.013	0.10	<0.1	8.3	0.27	<0.02	210	0.4	0.04	4.9	0.75	<0.1	0.08
09-GBC-225	Till	11.1	112.8	2.07	263.7	0.088	<20	1.59	0.016	0.13	<0.1	7.7	0.48	<0.02	191	0.6	0.05	5.0	1.00	<0.1	0.20
09-GBC-226	Till	11.6	124.6	1.73	233.4	0.090	<20	1.71	0.016	0.10	<0.1	8.4	0.32	<0.02	192	0.3	0.05	5.2	0.91	<0.1	0.15
09-GBC-227	Till	12.0	99.6	1.53	315.1	0.079	<20	1.28	0.015	0.10	<0.1	5.9	0.20	<0.02	115	0.5	0.06	4.0	0.87	<0.1	0.22
09-GBC-228	Till	11.9	100.2	1.57	327.6	0.077	<20	1.29	0.015	0.10	<0.1	5.9	0.19	<0.02	100	0.4	0.05	4.0	0.85	<0.1	0.22
09-GBC-229	Till	14.1	109.5	1.24	266.2	0.091	<20	2.18	0.018	0.14	<0.1	11.2	0.28	<0.02	225	0.4	0.05	6.6	1.33	<0.1	0.16
09-GBC-230	Till	13.1	88.9	1.33	224.1	0.094	<20	1.73	0.017	0.10	<0.1	7.7	0.22	<0.02	149	0.3	0.04	5.3	0.96	<0.1	0.13
09-GBC-231	Till	15.6	123.5	1.27	274.7	0.087	<20	1.90	0.015	0.11	<0.1	9.4	0.20	<0.02	149	0.5	0.04	5.6	0.79	<0.1	0.13
09-GBC-232	Till	11.1	99.6	1.49	289.8	0.086	<20	1.57	0.017	0.12	<0.1	7.1	0.25	<0.02	133	0.4	0.06	4.9	1.03	<0.1	0.19
09-GBC-233	Till	12.6	91.1	1.42	275.6	0.094	<20	1.59	0.020	0.11	<0.1	7.2	0.28	<0.02	142	0.3	0.05	5.0	0.97	<0.1	0.19
09-GBC-234	Till	11.9	100.4	1.56	244.1	0.098	<20	1.45	0.017	0.11	<0.1	7.3	0.36	<0.02	200	0.5	0.04	4.5	0.85	<0.1	0.15
09-GBC-235	Till	11.6	93.1	1.51	283.7	0.094	<20	1.49	0.017	0.12	<0.1	7.0	0.26	<0.02	190	0.4	0.03	4.7	0.91	<0.1	0.16
09-GBC-236	Till	12.3	86.9	1.08	195.6	0.091	<20	1.37	0.017	0.08	<0.1	6.2	0.18	<0.02	123	0.2	0.03	4.4	0.77	<0.1	0.11
09-GBC-237	Till	11.5	125.0	1.66	263.3	0.110	<20	1.54	0.028	0.10	<0.1	6.9	0.26	<0.02	188	0.5	0.04	4.8	0.88	<0.1	0.13
09-GBC-238	Till	11.9	84.4	1.29	183.9	0.100	<20	1.24	0.022	0.08	<0.1	5.6	0.17	<0.02	144	0.3	0.03	3.9	0.68	<0.1	0.16
09-GBC-239	Till	12.1	96.2	1.56	231.2	0.104	<20	1.51	0.021	0.13	<0.1	7.2	0.24	<0.02	184	0.4	0.03	4.8	0.91	<0.1	0.16
09-GBC-240	Till	13.3	104.1	1.39	240.6	0.093	<20	1.53	0.019	0.11	<0.1	7.9	0.28	<0.02	200	0.5	0.03	4.9	0.84	<0.1	0.15
09-GBC-241 DUP of 09-GBC-243	Pulp DUP	11.6	106.0	0.87	178.2	0.105	<20	1.39	0.011	0.07	<0.1	5.6	0.19	<0.02	103	0.3	0.03	4.1	0.67	<0.1	0.06
09-GBC-242	Rock Pulp	6.5	51.4	1.21	58.3	0.269	<20	2.97	0.038	0.06	<0.1	8.2	0.05	0.17	418	1.2	0.07	8.3	0.57	<0.1	0.14
09-GBC-243	Till	11.6	105.3	0.86	176.4	0.103	<20	1.37	0.010	0.07	<0.1	5.5	0.19	<0.02	84	0.4	<0.02	4.0	0.66	<0.1	0.06

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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002940A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%	%	%	%	%	%
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01
09-GBC-214	Till	0.04	7.3	2.7	<0.05	4.9	10.77	25.0	0.04	<1	0.4	13.2	<10	3	61.96	11.49	6.28	4.47	3.84	2.09	1.47
09-GBC-215	Till	0.08	7.4	3.1	<0.05	6.4	11.27	25.4	0.04	<1	0.4	13.0	<10	3	59.68	11.48	6.04	4.46	5.08	1.95	1.37
09-GBC-216	Till	0.12	9.0	4.0	<0.05	6.3	14.35	25.4	0.04	<1	0.8	15.0	<10	3	63.44	13.21	6.49	3.37	1.56	1.76	1.75
09-GBC-217	Till	0.06	7.6	2.7	<0.05	5.4	11.40	26.1	0.03	<1	0.6	14.6	<10	<2	59.72	11.69	6.65	3.97	4.93	2.06	1.57
09-GBC-218	Till	0.13	8.0	2.6	<0.05	7.6	18.03	31.6	0.04	<1	0.4	14.0	<10	2	63.17	12.88	7.06	2.95	1.89	2.13	1.59
09-GBC-219	Till	0.19	9.3	1.4	<0.05	5.1	16.56	28.9	0.04	<1	0.7	14.5	<10	2	63.09	12.67	7.12	3.60	1.92	2.16	1.60
09-GBC-220	Till	0.22	7.0	6.7	<0.05	5.8	11.38	22.0	0.04	<1	0.5	11.6	<10	2	57.10	11.64	6.63	3.92	5.85	1.91	1.58
09-GBC-221 DUP of 09-GBC-238	Pulp DUP	0.07	4.9	1.2	<0.05	7.7	8.97	22.4	0.02	<1	0.3	9.0	<10	<2	64.74	10.91	4.71	2.94	5.30	2.41	1.41
09-GBC-222	Rock Pulp	0.38	12.1	0.2	<0.05	1.2	5.78	57.7	0.02	<1	0.5	30.8	<10	<2	62.46	16.33	6.75	2.15	1.27	1.71	2.86
09-GBC-223	Till	0.21	6.8	0.9	<0.05	5.4	12.18	20.7	0.04	<1	0.5	11.5	<10	<2	57.81	11.98	6.55	3.61	5.54	1.93	1.60
09-GBC-224	Till	0.22	6.8	1.1	<0.05	4.3	14.32	21.9	0.03	<1	0.5	10.8	<10	<2	65.17	12.24	6.04	3.32	1.89	2.27	1.56
09-GBC-225	Till	<0.02	7.1	2.6	<0.05	8.2	10.31	22.0	0.03	1	0.4	12.4	<10	3	59.24	12.02	6.40	4.62	4.59	2.07	1.66
09-GBC-226	Till	0.06	6.6	1.1	<0.05	7.0	11.56	22.1	0.03	<1	0.5	11.8	<10	<2	63.00	12.41	6.62	4.07	2.35	2.12	1.56
09-GBC-227	Till	0.03	6.2	0.6	<0.05	8.8	9.45	24.6	0.02	<1	0.4	9.6	<10	<2	66.34	10.38	5.32	3.53	3.85	2.07	1.32
09-GBC-228	Till	0.02	6.2	1.9	<0.05	8.4	9.36	24.1	0.02	<1	0.4	9.7	<10	<2	66.27	10.45	5.16	3.60	3.84	2.05	1.32
09-GBC-229	Till	0.07	9.6	2.8	<0.05	8.4	14.83	24.6	0.04	<1	0.6	14.3	<10	<2	61.71	13.93	7.16	2.89	1.99	2.05	1.84
09-GBC-230	Till	0.10	6.7	0.4	<0.05	6.7	11.31	25.4	0.03	<1	0.5	12.7	<10	<2	64.18	12.77	5.93	3.09	2.55	2.29	1.62
09-GBC-231	Till	0.09	6.9	0.9	<0.05	6.7	17.01	25.1	0.03	<1	0.6	11.6	<10	<2	63.95	12.91	6.46	3.01	1.88	2.22	1.56
09-GBC-232	Till	0.03	7.2	1.8	<0.05	9.0	10.29	22.4	0.03	<1	0.4	10.5	<10	<2	61.72	11.69	5.84	3.55	4.80	2.12	1.50
09-GBC-233	Till	<0.02	7.2	0.4	<0.05	8.7	11.14	27.4	0.03	<1	0.5	11.0	<10	<2	64.86	12.18	6.28	3.34	2.71	2.21	1.55
09-GBC-234	Till	0.02	6.7	1.4	<0.05	7.3	10.45	23.8	0.03	<1	0.4	10.5	<10	<2	61.92	11.31	5.85	3.63	5.12	2.12	1.52
09-GBC-235	Till	<0.02	7.1	0.8	<0.05	7.5	10.05	23.0	0.03	<1	0.4	11.1	<10	<2	62.54	11.79	5.95	3.54	4.43	2.18	1.56
09-GBC-236	Till	0.07	5.6	1.9	<0.05	5.6	10.05	24.5	0.02	<1	0.4	9.4	<10	<2	67.68	11.96	5.55	2.76	2.20	2.45	1.49
09-GBC-237	Till	0.10	6.6	0.8	<0.05	6.7	10.30	22.0	0.02	<1	0.4	11.2	<10	<2	57.35	10.99	5.36	3.75	8.13	2.11	1.36
09-GBC-238	Till	0.03	5.2	0.9	<0.05	7.5	9.21	23.2	0.02	<1	0.3	9.0	<10	<2	65.01	10.89	4.62	2.94	5.30	2.39	1.39
09-GBC-239	Till	<0.02	7.9	1.3	<0.05	7.4	10.20	23.6	0.03	<1	0.4	10.7	<10	<2	63.31	11.52	5.70	3.49	4.40	2.28	1.57
09-GBC-240	Till	0.02	7.5	0.6	<0.05	7.3	12.15	25.9	0.03	<1	0.5	10.8	<10	<2	65.95	11.84	6.17	3.30	2.19	2.23	1.58
09-GBC-241 DUP of 09-GBC-243	Pulp DUP	0.27	6.0	0.5	<0.05	2.8	7.08	32.8	0.02	<1	0.4	8.4	<10	<2	69.94	11.58	5.07	2.30	1.85	2.52	1.44
09-GBC-242	Rock Pulp	0.98	3.1	0.5	<0.05	6.5	10.80	14.7	0.03	1	0.4	7.6	<10	<2	45.90	13.64	10.55	4.25	6.45	2.01	0.71
09-GBC-243	Till	0.29	5.9	0.5	<0.05	2.8	7.00	32.6	<0.02	<1	0.4	8.4	<10	<2	69.85	11.60	5.14	2.29	1.85	2.51	1.41

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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002940A.2

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
	Analyte	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
	Unit	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	MDL	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3	5	1	-5.1	0.01	0.02	0.02
09-GBC-214	Till	0.73	0.20	0.11	0.043	61	932	105	240	25	243	130	50	20	8	15	7.0	99.90	0.67	<0.02
09-GBC-215	Till	0.69	0.17	0.11	0.040	63	952	133	232	26	234	119	35	20	12	15	8.6	99.89	1.03	<0.02
09-GBC-216	Till	0.72	0.17	0.10	0.036	74	1009	119	204	<20	199	132	31	23	7	18	7.1	99.91	0.58	<0.02
09-GBC-217	Till	0.74	0.19	0.14	0.035	72	1060	142	208	31	284	124	39	20	7	16	8.0	99.91	1.01	<0.02
09-GBC-218	Till	0.77	0.19	0.13	0.042	79	1000	130	206	24	235	136	40	26	8	18	6.9	99.92	0.52	<0.02
09-GBC-219	Till	0.79	0.21	0.12	0.043	78	1025	142	257	26	241	131	43	24	7	18	6.4	99.91	0.39	<0.02
09-GBC-220	Till	0.73	0.21	0.12	0.040	75	1072	159	224	28	274	119	<30	21	16	16	10.0	99.91	1.62	0.02
09-GBC-221 DUP of 09-GBC-238	Pulp DUP	0.72	0.20	0.09	0.031	45	874	79	117	<20	314	127	40	19	12	12	6.3	99.94	0.89	<0.02
09-GBC-222	Rock Pulp	0.90	0.16	0.07	0.018	78	605	89	48	<20	220	372	127	32	23	16	5.1	99.94	0.42	<0.02
09-GBC-223	Till	0.72	0.20	0.10	0.039	84	1101	153	176	22	285	114	40	21	13	16	9.6	99.91	1.37	<0.02
09-GBC-224	Till	0.77	0.18	0.09	0.047	65	974	111	216	<20	233	134	<30	25	9	16	6.1	99.92	0.67	<0.02
09-GBC-225	Till	0.74	0.19	0.13	0.038	68	1055	143	221	35	284	119	39	20	14	16	8.0	99.89	0.98	<0.02
09-GBC-226	Till	0.76	0.19	0.11	0.042	70	993	132	223	27	224	130	<30	22	14	16	6.5	99.90	0.45	<0.02
09-GBC-227	Till	0.70	0.17	0.12	0.032	63	1027	99	170	25	228	126	38	20	10	13	5.9	99.92	0.78	<0.02
09-GBC-228	Till	0.71	0.18	0.11	0.031	67	1041	97	175	21	230	132	<30	20	13	13	6.0	99.92	0.77	<0.02
09-GBC-229	Till	0.77	0.21	0.12	0.032	75	1106	129	149	<20	251	139	<30	25	8	19	7.0	99.93	0.41	<0.02
09-GBC-230	Till	0.79	0.20	0.11	0.028	60	983	106	138	<20	249	129	<30	21	15	15	6.2	99.93	0.68	<0.02
09-GBC-231	Till	0.75	0.17	0.10	0.041	68	976	96	209	21	231	137	38	26	12	17	6.7	99.93	0.56	<0.02
09-GBC-232	Till	0.71	0.18	0.12	0.034	64	1014	99	170	23	261	132	<30	19	16	14	7.5	99.91	0.92	<0.02
09-GBC-233	Till	0.76	0.20	0.17	0.036	58	991	103	184	32	245	139	34	21	12	15	5.4	99.92	0.33	<0.02
09-GBC-234	Till	0.76	0.21	0.13	0.034	63	990	122	187	27	278	129	34	20	12	15	7.1	99.92	0.76	<0.02
09-GBC-235	Till	0.74	0.20	0.10	0.035	65	991	109	148	21	280	141	<30	20	12	14	6.7	99.92	0.76	<0.02
09-GBC-236	Till	0.79	0.19	0.12	0.038	50	919	90	140	<20	260	156	35	22	11	14	4.5	99.94	0.30	<0.02
09-GBC-237	Till	0.69	0.19	0.10	0.040	69	900	109	148	<20	307	127	<30	18	13	14	9.7	99.92	1.65	<0.02
09-GBC-238	Till	0.72	0.21	0.08	0.030	46	853	77	113	<20	310	122	32	19	10	12	6.2	99.94	0.89	<0.02
09-GBC-239	Till	0.72	0.20	0.11	0.036	55	979	102	163	23	289	137	35	19	8	14	6.4	99.92	0.73	<0.02
09-GBC-240	Till	0.73	0.22	0.14	0.043	62	997	111	191	23	240	136	42	23	8	15	5.3	99.92	0.37	<0.02
09-GBC-241 DUP of 09-GBC-243	Pulp DUP	0.80	0.16	0.08	0.045	30	909	72	127	<20	246	159	55	18	7	12	4.0	99.94	0.34	<0.02
09-GBC-242	Rock Pulp	1.30	0.19	0.21	0.026	111	255	101	56	30	265	259	<30	24	11	28	14.5	99.88	4.36	0.15
09-GBC-243	Till	0.80	0.15	0.08	0.044	33	904	73	132	<20	248	154	<30	17	<5	13	4.0	99.94	0.35	<0.02

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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002940A.2

		Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
09-GBC-244	Till		0.91	53.58	7.10	85.6	47	175.5	17.1	626	3.35	9.7	0.5	2.3	2.5	42.7	0.18	0.44	0.10	66	0.62	0.075
09-GBC-245	Till		0.95	54.14	7.23	89.1	40	188.8	18.5	836	3.44	10.1	0.5	2.2	2.5	43.2	0.22	0.46	0.10	67	0.63	0.077
09-GBC-246	Till		1.11	53.89	7.48	96.6	52	160.9	22.2	955	3.37	10.7	0.7	2.9	2.5	35.8	0.57	0.61	0.09	67	0.50	0.085
09-GBC-247	Till		1.07	49.97	6.90	89.8	84	123.6	21.1	793	3.24	9.7	0.6	1.2	2.6	78.2	0.67	0.50	0.10	67	2.22	0.081
09-GBC-248	Till		1.01	50.14	7.59	96.0	63	122.3	19.6	766	3.27	9.9	0.7	1.8	3.0	72.2	0.70	0.46	0.11	65	2.03	0.086
09-GBC-249	Till		0.91	49.41	8.75	96.8	102	156.1	22.2	1000	3.55	10.4	0.6	2.9	3.7	45.7	0.43	0.39	0.12	67	0.59	0.088
09-GBC-250	Till		0.98	53.79	7.90	89.6	103	131.5	18.1	661	3.39	10.2	0.7	2.4	3.1	39.5	0.46	0.54	0.11	68	0.58	0.086
09-GBC-251	Till		1.07	52.85	7.36	95.6	73	137.2	20.2	781	3.31	10.9	0.6	1.4	2.7	76.1	0.75	0.57	0.10	69	2.26	0.084

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002940A.2

		Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
09-GBC-244	Till		13.2	107.6	1.28	307.2	0.098	<20	1.64	0.021	0.10	<0.1	8.0	0.19	<0.02	173	0.3	0.03	5.1	0.83	<0.1	0.16
09-GBC-245	Till		13.1	107.6	1.34	311.6	0.096	<20	1.64	0.021	0.10	<0.1	8.2	0.20	<0.02	157	0.3	0.04	5.1	0.85	<0.1	0.16
09-GBC-246	Till		13.4	102.1	1.10	249.5	0.105	<20	1.51	0.016	0.09	<0.1	8.5	0.27	<0.02	262	0.2	0.03	4.8	0.70	<0.1	0.17
09-GBC-247	Till		12.1	85.0	1.46	205.6	0.104	<20	1.58	0.024	0.13	<0.1	7.1	0.24	<0.02	149	0.4	0.05	5.0	0.92	<0.1	0.18
09-GBC-248	Till		13.8	84.6	1.34	223.3	0.100	<20	1.59	0.020	0.12	<0.1	7.3	0.24	<0.02	198	0.3	0.03	4.9	1.01	<0.1	0.14
09-GBC-249	Till		16.3	89.3	1.22	252.0	0.094	<20	1.79	0.020	0.11	<0.1	7.8	0.21	<0.02	146	0.2	0.03	5.6	1.21	<0.1	0.13
09-GBC-250	Till		16.4	91.8	0.99	184.5	0.105	<20	1.49	0.015	0.10	<0.1	7.6	0.23	<0.02	203	0.4	0.03	4.8	0.77	<0.1	0.12
09-GBC-251	Till		12.5	90.0	1.36	261.0	0.103	<20	1.53	0.023	0.12	<0.1	7.4	0.24	<0.02	281	0.3	0.03	4.7	0.85	<0.1	0.22

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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002940A.2

		Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300	LF300	LF300	LF300	LF300	LF300	LF300
		Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%	%	%	%	%	%
		MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01
09-GBC-244	Till		0.03	6.2	1.3	<0.05	8.1	12.24	24.0	0.03	<1	0.5	10.6	<10	2	67.15	11.92	5.75	2.96	2.11	2.23	1.43
09-GBC-245	Till		<0.02	6.3	1.4	<0.05	8.2	11.84	24.4	0.03	<1	0.5	10.8	<10	<2	66.90	11.92	5.81	3.08	2.11	2.20	1.41
09-GBC-246	Till		0.04	6.3	0.6	<0.05	8.0	13.15	26.2	0.02	<1	0.5	9.8	<10	<2	67.54	11.88	5.89	2.74	1.99	2.40	1.53
09-GBC-247	Till		0.02	7.6	0.5	<0.05	8.5	10.22	23.9	0.02	<1	0.4	11.5	<10	<2	63.29	11.84	5.59	3.33	4.39	2.20	1.65
09-GBC-248	Till		<0.02	7.9	0.8	<0.05	7.0	10.65	27.0	0.03	<1	0.4	11.7	<10	<2	63.78	11.99	5.60	3.04	4.09	2.21	1.63
09-GBC-249	Till		<0.02	8.2	0.6	<0.05	7.7	12.08	33.5	0.03	<1	0.5	13.5	<10	<2	65.47	12.99	6.06	2.79	1.94	2.15	1.73
09-GBC-250	Till		0.08	6.6	0.8	<0.05	6.7	13.90	28.7	0.02	<1	0.5	10.7	<10	<2	67.29	12.14	5.87	2.45	2.11	2.39	1.68
09-GBC-251	Till		<0.02	7.1	0.8	<0.05	9.6	10.65	24.3	0.03	<1	0.4	10.4	<10	<2	63.58	11.54	5.73	3.16	4.52	2.25	1.61

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Client: **Noble Exploration Services Ltd.**
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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002940A.2

		Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
		Analyte	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
		Unit	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
		MDL	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3	5	1	-5.1	0.01	0.02	0.02
09-GBC-244	Till		0.75	0.19	0.10	0.042	63	1015	91	184	<20	243	140	31	22	7	15	5.1	99.93	0.23	<0.02
09-GBC-245	Till		0.75	0.21	0.12	0.040	50	1018	93	207	<20	239	140	41	22	<5	15	5.1	99.93	0.20	<0.02
09-GBC-246	Till		0.74	0.20	0.14	0.043	63	991	103	176	25	250	143	33	23	9	15	4.6	99.93	0.26	<0.02
09-GBC-247	Till		0.70	0.20	0.12	0.031	58	910	98	136	21	281	128	<30	19	9	14	6.4	99.91	0.83	<0.02
09-GBC-248	Till		0.76	0.21	0.11	0.032	71	915	102	296	20	275	158	31	21	12	14	6.3	99.94	0.64	<0.02
09-GBC-249	Till		0.82	0.23	0.14	0.034	48	961	100	174	<20	245	178	52	23	<5	14	5.4	99.93	0.25	<0.02
09-GBC-250	Till		0.81	0.22	0.10	0.036	60	926	131	140	<20	260	183	46	25	9	15	4.6	99.93	0.37	<0.02
09-GBC-251	Till		0.70	0.21	0.12	0.035	56	967	106	147	23	286	154	33	20	10	14	6.3	99.93	0.72	<0.02

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Client: **Noble Exploration Services Ltd.**
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Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002940A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
09-GBC-024	Till	0.96	57.93	10.99	103.2	90	109.4	20.0	937	3.56	9.8	0.7	3.2	3.8	50.9	0.56	0.44	0.16	83	0.89	0.107
09-GBC-062	Rock Pulp	15.47	249.31	37.12	58.6	174	14.8	6.5	271	3.36	103.7	2.6	5.8	12.6	9.3	0.14	0.47	45.71	41	0.12	0.077
09-GBC-097	Till	0.60	33.72	6.00	60.4	28	58.7	11.2	454	2.61	5.7	0.5	1.9	2.7	38.7	0.18	0.39	0.09	73	0.60	0.091
09-GBC-138	Till	1.04	62.04	8.02	88.7	91	100.7	15.9	656	3.51	9.6	0.7	2.9	3.2	43.5	0.27	0.72	0.10	75	0.63	0.089
09-GBC-148	Till	0.69	19.61	4.40	59.2	52	47.6	8.3	300	2.09	4.3	0.3	1.7	1.6	22.9	0.15	0.29	0.06	52	0.36	0.062
09-GBC-177	Till	0.67	41.83	7.99	71.7	62	105.5	15.5	770	2.98	7.4	0.5	0.7	2.3	31.3	0.21	0.40	0.10	64	0.44	0.064
09-GBC-216	Till	1.37	72.81	10.88	113.2	171	190.0	17.3	649	3.96	13.2	0.9	3.6	3.2	45.6	0.47	0.60	0.15	75	0.48	0.073
09-GBC-244	Till	0.91	53.58	7.10	85.6	47	175.5	17.1	626	3.35	9.7	0.5	2.3	2.5	42.7	0.18	0.44	0.10	66	0.62	0.075
Pulp Duplicates																					
09-GBC-001	Till	0.38	22.24	5.03	53.6	36	32.0	7.8	265	2.11	3.0	0.8	2.3	3.8	28.6	0.12	0.19	0.09	49	0.42	0.093
REP 09-GBC-001	QC																				
09-GBC-017	Till	1.05	67.02	11.27	111.4	99	83.8	19.3	610	3.96	8.9	1.5	1.9	5.3	47.1	0.24	0.29	0.36	90	0.63	0.100
REP 09-GBC-017	QC																				
09-GBC-035	Till	0.76	42.18	6.92	78.0	58	88.1	12.9	539	3.04	7.8	0.6	1.9	3.3	43.2	0.25	0.51	0.10	72	0.54	0.093
REP 09-GBC-035	QC	0.77	41.49	7.10	78.4	61	91.4	13.8	527	3.13	8.0	0.6	4.1	3.6	44.0	0.26	0.54	0.10	74	0.55	0.095
09-GBC-037	Till	0.95	54.52	10.68	85.0	69	96.4	18.9	785	3.48	9.0	0.6	2.7	3.4	44.4	0.33	0.59	0.13	80	0.77	0.099
REP 09-GBC-037	QC																				
09-GBC-053	Till	1.48	57.22	12.80	94.5	146	96.3	19.5	772	3.35	10.4	0.8	2.7	4.2	62.8	0.58	0.53	0.19	77	1.73	0.108
REP 09-GBC-053	QC																				
09-GBC-071	Till	1.52	59.10	9.28	108.8	127	62.7	13.5	541	3.23	9.8	1.0	2.5	3.4	47.5	0.39	0.71	0.15	84	0.52	0.109
REP 09-GBC-071	QC	1.56	59.16	10.40	106.6	129	61.7	13.6	554	3.25	9.8	0.9	2.8	3.4	48.4	0.41	0.72	0.15	85	0.52	0.117
09-GBC-073	Till	0.71	28.69	5.54	61.1	93	63.9	10.5	406	2.42	6.9	0.5	3.3	2.1	30.6	0.30	0.46	0.08	60	0.56	0.083
REP 09-GBC-073	QC																				
09-GBC-089	Till	0.69	47.53	7.96	77.8	113	54.7	12.2	450	3.03	6.7	1.1	1.2	3.2	38.3	0.19	0.27	0.14	80	0.64	0.108
REP 09-GBC-089	QC																				
09-GBC-108	Till	0.98	47.82	8.00	86.9	125	99.9	17.9	725	3.08	10.5	0.5	1.3	2.8	66.9	0.75	0.60	0.11	69	2.13	0.095
REP 09-GBC-108	QC	0.97	48.63	7.81	84.3	122	98.4	17.9	725	3.06	10.4	0.5	3.7	2.8	63.6	0.73	0.62	0.11	67	2.12	0.091
09-GBC-110	Till	1.39	57.68	8.68	100.6	55	115.2	20.4	901	3.56	12.4	0.5	4.9	2.7	51.9	0.52	0.76	0.12	75	0.68	0.107
REP 09-GBC-110	QC																				

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Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002940A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
09-GBC-024	Till	16.0	85.7	1.12	269.2	0.127	<20	2.05	0.021	0.16	<0.1	8.1	0.25	<0.02	154	0.2	0.03	6.6	1.42	<0.1	0.06
09-GBC-062	Rock Pulp	28.9	26.3	0.50	66.0	0.116	<20	1.92	0.029	0.30	>100	4.5	0.39	0.07	<5	0.6	0.19	6.0	7.96	<0.1	0.11
09-GBC-097	Till	13.1	74.7	0.82	120.7	0.127	<20	1.40	0.014	0.07	<0.1	6.1	0.13	<0.02	63	<0.1	0.02	4.2	0.85	<0.1	0.08
09-GBC-138	Till	15.6	104.8	0.92	208.4	0.126	<20	1.64	0.015	0.08	<0.1	7.8	0.20	<0.02	169	0.3	0.03	5.1	0.76	<0.1	0.12
09-GBC-148	Till	9.1	56.7	0.58	120.1	0.082	<20	1.10	0.008	0.05	<0.1	3.3	0.11	<0.02	77	0.1	<0.02	3.4	0.53	<0.1	0.04
09-GBC-177	Till	11.6	85.8	1.06	204.0	0.083	<20	1.52	0.017	0.09	<0.1	5.7	0.15	<0.02	84	0.2	0.03	4.4	0.88	<0.1	0.08
09-GBC-216	Till	14.2	113.5	1.57	267.0	0.088	<20	2.02	0.018	0.13	<0.1	10.1	0.30	<0.02	327	0.4	0.03	6.3	1.18	<0.1	0.11
09-GBC-244	Till	13.2	107.6	1.28	307.2	0.098	<20	1.64	0.021	0.10	<0.1	8.0	0.19	<0.02	173	0.3	0.03	5.1	0.83	<0.1	0.16
Pulp Duplicates																					
09-GBC-001	Till	14.9	54.4	0.71	98.1	0.130	<20	1.51	0.010	0.17	<0.1	3.9	0.17	<0.02	32	<0.1	<0.02	5.0	1.13	<0.1	0.03
REP 09-GBC-001	QC																				
09-GBC-017	Till	17.3	91.7	1.16	290.6	0.169	<20	2.85	0.016	0.47	0.2	8.6	0.39	<0.02	50	0.2	0.05	9.1	3.11	<0.1	0.10
REP 09-GBC-017	QC																				
09-GBC-035	Till	17.3	86.1	0.78	174.5	0.127	<20	1.51	0.014	0.08	<0.1	7.7	0.13	<0.02	125	<0.1	0.02	4.8	0.74	<0.1	0.14
REP 09-GBC-035	QC	16.8	89.1	0.79	179.1	0.132	<20	1.52	0.015	0.08	<0.1	7.9	0.14	<0.02	133	<0.1	0.03	4.7	0.78	<0.1	0.18
09-GBC-037	Till	15.2	89.1	0.99	214.0	0.114	<20	1.76	0.021	0.10	<0.1	8.9	0.19	<0.02	133	<0.1	0.03	5.0	1.13	<0.1	0.15
REP 09-GBC-037	QC																				
09-GBC-053	Till	14.7	75.9	1.03	214.3	0.122	<20	1.81	0.025	0.20	0.1	7.7	0.23	<0.02	181	<0.1	0.04	5.5	1.33	<0.1	0.18
REP 09-GBC-053	QC																				
09-GBC-071	Till	17.2	72.6	0.87	150.6	0.096	<20	1.72	0.013	0.11	<0.1	8.2	0.26	<0.02	105	0.6	0.04	5.9	1.16	<0.1	0.07
REP 09-GBC-071	QC	17.6	73.4	0.87	158.1	0.099	<20	1.73	0.014	0.11	<0.1	8.0	0.26	<0.02	111	0.6	0.02	5.7	1.22	<0.1	0.06
09-GBC-073	Till	11.0	58.8	0.68	154.2	0.081	<20	1.25	0.012	0.06	<0.1	4.9	0.14	<0.02	97	<0.1	0.02	3.6	0.63	<0.1	0.05
REP 09-GBC-073	QC																				
09-GBC-089	Till	12.8	72.5	0.97	154.5	0.095	<20	1.98	0.010	0.13	<0.1	8.8	0.15	<0.02	58	0.1	0.02	5.7	1.12	<0.1	0.07
REP 09-GBC-089	QC																				
09-GBC-108	Till	12.6	81.4	1.14	187.6	0.111	<20	1.36	0.017	0.10	<0.1	7.1	0.20	<0.02	169	1.1	0.04	3.9	0.80	<0.1	0.16
REP 09-GBC-108	QC	12.8	81.9	1.14	190.5	0.112	<20	1.34	0.017	0.10	<0.1	7.1	0.20	<0.02	249	1.0	0.03	4.0	0.81	<0.1	0.17
09-GBC-110	Till	14.0	90.9	0.88	273.0	0.109	<20	1.56	0.020	0.09	<0.1	7.7	0.24	<0.02	426	<0.1	0.04	5.6	0.89	<0.1	0.20
REP 09-GBC-110	QC																				

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PHONE (604) 253-3158

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002940A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%	%	%	%	%	%
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01
09-GBC-024	Till	0.17	15.4	2.4	<0.05	3.4	12.18	30.6	0.03	<1	0.6	18.1	<10	2	63.85	13.29	5.98	2.60	2.65	2.31	1.81
09-GBC-062	Rock Pulp	1.83	35.5	5.0	<0.05	4.3	8.50	54.3	0.31	<1	1.0	19.0	<10	<2	64.82	14.29	5.70	1.25	1.25	2.46	3.21
09-GBC-097	Till	0.17	6.7	0.4	<0.05	4.4	7.81	25.7	<0.02	<1	0.3	10.1	<10	2	68.41	12.35	4.81	2.28	2.38	2.60	1.76
09-GBC-138	Till	0.12	5.3	0.5	<0.05	6.6	14.64	33.0	<0.02	<1	0.5	11.2	<10	2	66.82	12.51	5.95	2.33	2.22	2.45	1.64
09-GBC-148	Till	0.36	6.1	0.2	<0.05	1.7	4.33	20.0	<0.02	<1	0.3	7.3	<10	<2	71.53	11.57	4.15	1.80	1.85	2.71	1.54
09-GBC-177	Till	0.08	7.1	0.7	<0.05	3.9	10.26	25.5	0.03	<1	0.4	10.1	<10	2	67.36	12.34	5.44	2.69	1.88	2.30	1.52
09-GBC-216	Till	0.12	9.0	4.0	<0.05	6.3	14.35	25.4	0.04	<1	0.8	15.0	<10	3	63.44	13.21	6.49	3.37	1.56	1.76	1.75
09-GBC-244	Till	0.03	6.2	1.3	<0.05	8.1	12.24	24.0	0.03	<1	0.5	10.6	<10	2	67.15	11.92	5.75	2.96	2.11	2.23	1.43
Pulp Duplicates																					
09-GBC-001	Till	0.69	21.3	0.3	<0.05	1.1	5.96	28.4	<0.02	<1	0.3	16.3	<10	<2	68.29	13.60	4.17	1.96	2.33	2.60	2.14
REP 09-GBC-001	QC																				
09-GBC-017	Till	0.14	47.7	2.1	<0.05	4.8	13.72	32.5	0.03	<1	1.0	30.3	<10	<2	58.49	16.27	7.13	2.89	2.63	2.00	2.55
REP 09-GBC-017	QC														58.59	16.27	7.08	2.90	2.61	1.99	2.55
09-GBC-035	Till	0.06	5.3	0.5	<0.05	6.5	12.02	31.8	0.02	<1	0.4	10.6	<10	2	68.66	12.23	5.47	2.08	2.04	2.54	1.59
REP 09-GBC-035	QC	0.08	5.2	0.8	<0.05	7.2	11.87	31.7	0.03	<1	0.4	10.6	<10	<2							
09-GBC-037	Till	0.06	6.9	2.5	<0.05	7.3	11.90	29.9	0.04	<1	0.5	12.8	<10	<2	65.56	12.77	6.08	2.47	2.44	2.36	1.71
REP 09-GBC-037	QC																				
09-GBC-053	Till	0.07	15.7	4.6	<0.05	7.1	10.40	28.3	0.04	<1	0.5	15.7	<10	<2	63.59	12.74	5.92	2.49	3.97	2.23	1.85
REP 09-GBC-053	QC														63.74	12.67	5.92	2.48	3.94	2.21	1.84
09-GBC-071	Till	0.27	10.8	2.1	<0.05	2.9	14.61	31.1	0.03	<1	0.6	14.7	<10	<2	64.61	13.36	6.05	2.31	2.24	2.32	1.98
REP 09-GBC-071	QC	0.26	11.0	4.3	<0.05	3.0	14.80	31.8	0.03	1	0.6	14.5	<10	2							
09-GBC-073	Till	0.31	6.5	0.8	<0.05	2.5	7.62	20.8	<0.02	<1	0.3	9.1	<10	<2	69.54	11.65	4.75	2.01	2.36	2.44	1.54
REP 09-GBC-073	QC																				
09-GBC-089	Till	0.14	11.2	1.3	<0.05	3.8	10.46	25.3	<0.02	<1	0.6	15.9	<10	<2	63.48	13.70	5.90	2.55	2.50	1.92	1.86
REP 09-GBC-089	QC														63.58	13.62	5.91	2.53	2.49	1.92	1.87
09-GBC-108	Till	0.05	5.9	0.4	<0.05	6.8	10.09	25.4	0.02	<1	0.4	8.8	<10	<2	64.77	11.36	5.53	2.72	4.46	2.36	1.46
REP 09-GBC-108	QC	0.05	5.9	0.3	<0.05	7.3	10.11	24.5	0.02	<1	0.4	9.2	<10	<2							
09-GBC-110	Till	0.08	5.9	0.6	<0.05	9.2	11.78	29.1	0.03	<1	0.4	9.7	<10	3	66.89	12.24	6.02	2.25	2.28	2.45	1.56
REP 09-GBC-110	QC																				

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002940A.2

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
	Analyte	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
	Unit	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	MDL	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3	5	1	-5.1	0.01	0.02	0.02
09-GBC-024	Till	0.77	0.23	0.13	0.028	55	981	103	115	20	291	185	53	25	12	15	6.1	99.93	0.62	<0.02
09-GBC-062	Rock Pulp	0.79	0.20	0.06	0.007	248	369	67	20	<20	118	395	85	30	14	10	5.7	99.93	0.97	0.06
09-GBC-097	Till	0.86	0.21	0.08	0.032	34	898	65	71	<20	310	187	48	19	9	14	4.0	99.95	0.29	<0.02
09-GBC-138	Till	0.78	0.21	0.10	0.031	56	893	92	110	<20	281	149	48	24	12	16	4.7	99.94	0.29	<0.02
09-GBC-148	Till	0.85	0.16	0.06	0.036	24	902	76	71	<20	272	162	37	17	12	11	3.5	99.96	0.39	<0.02
09-GBC-177	Till	0.76	0.17	0.11	0.033	43	894	84	122	<20	243	139	42	20	13	14	5.2	99.95	0.41	<0.02
09-GBC-216	Till	0.72	0.17	0.10	0.036	74	1009	119	204	<20	199	132	31	23	7	18	7.1	99.91	0.58	<0.02
09-GBC-244	Till	0.75	0.19	0.10	0.042	63	1015	91	184	<20	243	140	31	22	7	15	5.1	99.93	0.23	<0.02
Pulp Duplicates																				
09-GBC-001	Till	0.83	0.21	0.06	0.022	26	877	61	42	<20	316	255	73	23	15	13	3.6	99.95	0.41	<0.02
REP 09-GBC-001	QC																		0.40	<0.02
09-GBC-017	Till	0.84	0.23	0.11	0.023	67	1069	122	90	22	261	215	80	29	17	18	6.5	99.92	0.40	<0.02
REP 09-GBC-017	QC	0.83	0.23	0.10	0.023	68	1070	121	86	20	260	211	81	29	13	18	6.5	99.92		
09-GBC-035	Till	0.87	0.22	0.09	0.034	41	906	80	101	<20	280	175	56	25	14	15	3.9	99.94	0.17	<0.02
REP 09-GBC-035	QC																			
09-GBC-037	Till	0.80	0.23	0.12	0.030	54	939	96	109	22	285	156	41	23	7	17	5.2	99.94	0.25	<0.02
REP 09-GBC-037	QC																		0.26	<0.02
09-GBC-053	Till	0.75	0.25	0.12	0.028	58	985	100	98	22	303	191	53	24	10	15	5.8	99.94	0.59	<0.02
REP 09-GBC-053	QC	0.75	0.24	0.12	0.027	59	981	100	101	21	300	181	50	24	11	15	5.8	99.95		
09-GBC-071	Till	0.80	0.26	0.09	0.025	65	1021	113	71	<20	305	172	42	28	13	17	5.7	99.93	0.64	<0.02
REP 09-GBC-071	QC																			
09-GBC-073	Till	0.78	0.18	0.08	0.034	33	894	78	77	<20	287	177	39	20	11	13	4.4	99.95	0.63	<0.02
REP 09-GBC-073	QC																		0.63	<0.02
09-GBC-089	Till	0.85	0.25	0.08	0.025	50	990	83	60	<20	268	199	50	25	10	19	6.6	99.94	0.50	<0.02
REP 09-GBC-089	QC	0.84	0.25	0.08	0.024	50	991	83	64	<20	268	196	55	25	10	19	6.6	99.93		
09-GBC-108	Till	0.76	0.22	0.11	0.028	48	857	91	114	21	293	150	35	19	9	14	6.0	99.94	0.68	<0.02
REP 09-GBC-108	QC																			
09-GBC-110	Till	0.78	0.24	0.13	0.032	59	997	116	123	<20	295	157	<30	23	7	16	4.9	99.95	0.21	<0.02
REP 09-GBC-110	QC																		0.22	<0.02

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002940A.2

		AQ250 Mo ppm 0.01	AQ250 Cu ppm 0.01	AQ250 Pb ppm 0.01	AQ250 Zn ppm 0.1	AQ250 Ag ppb 2	AQ250 Ni ppm 0.1	AQ250 Co ppm 0.1	AQ250 Mn ppm 1	AQ250 Fe % 0.01	AQ250 As ppm 0.1	AQ250 U ppm 0.1	AQ250 Au ppb 0.2	AQ250 Th ppm 0.1	AQ250 Sr ppm 0.5	AQ250 Cd ppm 0.01	AQ250 Sb ppm 0.02	AQ250 Bi ppm 0.02	AQ250 V ppm 1	AQ250 Ca % 0.01	AQ250 P % 0.001
09-GBC-126	Till	0.81	44.95	7.95	81.6	63	96.8	12.1	561	3.32	8.5	0.7	1.5	2.9	37.9	0.21	0.44	0.12	68	0.49	0.081
REP 09-GBC-126	QC																				
09-GBC-144	Till	0.98	46.18	7.30	76.2	25	51.0	12.2	857	2.83	9.3	0.8	1.0	3.8	39.5	0.34	0.56	0.14	70	0.53	0.106
REP 09-GBC-144	QC	0.91	44.75	7.58	71.8	24	52.5	11.7	857	2.82	9.2	0.7	2.8	3.8	38.3	0.31	0.57	0.14	68	0.52	0.104
09-GBC-146	Till	1.05	41.55	8.42	60.2	94	31.7	13.1	451	2.60	6.5	0.7	2.4	3.8	27.5	0.31	0.45	0.16	63	0.41	0.086
REP 09-GBC-146	QC																				
09-GBC-163	Till	1.06	55.83	7.48	95.6	68	179.2	19.3	780	3.20	11.0	0.4	8.3	2.1	40.8	1.23	0.63	0.09	67	1.18	0.081
REP 09-GBC-163	QC																				
09-GBC-180	Till	1.69	56.25	8.77	103.1	89	227.1	30.7	878	3.53	11.5	0.6	1.4	2.5	75.9	0.73	0.57	0.12	66	2.71	0.081
REP 09-GBC-180	QC	1.83	57.00	8.90	110.7	100	223.1	33.8	935	3.48	11.6	0.6	1.5	2.4	83.6	0.79	0.55	0.12	66	2.68	0.085
09-GBC-183	Till	0.91	61.34	7.17	98.4	113	205.2	14.2	534	3.57	10.2	1.1	4.4	2.5	39.7	0.29	0.57	0.15	69	0.56	0.077
REP 09-GBC-183	QC																				
09-GBC-194	Till	0.86	50.38	7.46	73.2	82	112.7	12.0	524	2.92	10.1	0.5	1.3	2.3	49.3	0.36	0.60	0.12	58	2.09	0.069
REP 09-GBC-194	QC																				
09-GBC-199	Till	1.24	58.59	7.72	91.3	110	178.1	16.7	660	3.13	13.0	0.6	2.5	2.5	70.4	0.63	0.82	0.16	57	2.80	0.074
REP 09-GBC-199	QC																				
09-GBC-218	Till	1.66	81.81	11.84	132.5	223	186.7	22.3	850	4.18	16.1	0.9	2.5	3.0	53.8	0.57	0.87	0.15	81	0.59	0.094
REP 09-GBC-218	QC	1.58	82.31	11.61	120.4	221	187.1	20.4	860	4.19	15.7	0.8	3.1	3.1	52.3	0.52	0.79	0.15	80	0.58	0.089
09-GBC-220	Till	2.86	77.15	14.41	144.4	181	206.6	32.9	828	3.80	17.4	0.7	2.5	2.3	106.3	1.25	1.17	0.13	78	3.36	0.087
REP 09-GBC-220	QC																				
09-GBC-234	Till	1.62	58.25	8.71	112.9	96	169.5	26.9	900	3.32	11.8	0.6	2.3	2.5	89.1	1.04	0.55	0.14	65	2.75	0.087
REP 09-GBC-234	QC																				
09-GBC-250	Till	0.98	53.79	7.90	89.6	103	131.5	18.1	661	3.39	10.2	0.7	2.4	3.1	39.5	0.46	0.54	0.11	68	0.58	0.086
REP 09-GBC-250	QC	0.95	53.00	7.70	88.6	101	128.7	18.0	653	3.33	10.3	0.7	2.3	3.0	39.1	0.44	0.53	0.11	66	0.58	0.085
Reference Materials																					
STD BVGEO01	Standard	11.16	4479.01	194.46	1771.3	2538	168.7	25.9	737	3.76	117.3	3.9	222.9	15.4	54.9	6.32	1.88	24.59	75	1.34	0.075
STD BVGEO01	Standard	10.51	4463.30	203.25	1850.2	2766	162.6	24.3	728	3.85	125.6	3.9	228.2	15.0	53.5	6.40	2.00	26.19	75	1.35	0.081
STD BVGEO01	Standard	11.33	4453.35	202.39	1764.7	2722	167.1	23.2	712	3.82	128.9	4.2	235.2	16.3	63.9	6.67	2.37	29.62	74	1.34	0.080
STD DS11	Standard	16.84	168.91	155.95	348.9	1738	83.6	14.2	1062	3.21	42.7	3.1	109.0	9.0	67.8	2.36	6.81	12.29	52	1.11	0.075

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3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002940A.2

		AQ250 La ppm 0.5	AQ250 Cr ppm 0.5	AQ250 Mg % 0.01	AQ250 Ba ppm 0.5	AQ250 Ti % 0.001	AQ250 B ppm 20	AQ250 Al % 0.01	AQ250 Na % 0.001	AQ250 K % 0.01	AQ250 W ppm 0.1	AQ250 Sc ppm 0.1	AQ250 Tl ppm 0.02	AQ250 S % 0.02	AQ250 Hg ppb 5	AQ250 Se ppm 0.1	AQ250 Te ppm 0.02	AQ250 Ga ppm 0.1	AQ250 Cs ppm 0.02	AQ250 Ge ppm 0.1	AQ250 Hf ppm 0.02
09-GBC-126	Till	12.7	108.3	0.95	213.1	0.104	<20	1.75	0.014	0.09	<0.1	7.3	0.18	<0.02	154	0.1	<0.02	5.2	0.95	<0.1	0.08
REP 09-GBC-126	QC																				
09-GBC-144	Till	15.6	58.8	0.67	204.9	0.112	<20	1.64	0.011	0.09	0.1	7.5	0.18	<0.02	216	0.3	0.03	5.2	0.92	<0.1	0.10
REP 09-GBC-144	QC	15.2	59.1	0.66	203.9	0.106	<20	1.61	0.011	0.09	0.1	8.1	0.19	<0.02	255	0.1	0.03	4.6	0.89	<0.1	0.10
09-GBC-146	Till	13.4	43.5	0.66	122.6	0.084	<20	1.57	0.008	0.10	0.1	4.6	0.16	<0.02	46	0.1	0.02	3.9	1.27	<0.1	0.02
REP 09-GBC-146	QC																				
09-GBC-163	Till	11.0	109.6	1.51	292.4	0.076	<20	1.43	0.020	0.09	<0.1	7.2	0.27	<0.02	191	0.2	0.02	4.4	0.76	<0.1	0.10
REP 09-GBC-163	QC																				
09-GBC-180	Till	10.4	122.7	2.26	324.9	0.090	<20	1.56	0.020	0.12	<0.1	7.5	0.29	<0.02	156	<0.1	0.04	5.1	0.98	<0.1	0.15
REP 09-GBC-180	QC	10.6	136.5	2.24	339.0	0.092	<20	1.54	0.019	0.12	<0.1	8.5	0.29	<0.02	168	<0.1	0.04	5.4	1.04	<0.1	0.21
09-GBC-183	Till	14.8	124.4	1.33	307.7	0.089	<20	1.74	0.018	0.09	<0.1	9.4	0.22	<0.02	273	<0.1	0.04	5.1	0.77	<0.1	0.07
REP 09-GBC-183	QC																				
09-GBC-194	Till	12.4	85.4	1.16	395.8	0.074	<20	1.37	0.025	0.10	<0.1	6.2	0.15	<0.02	122	<0.1	0.04	4.6	0.91	<0.1	0.12
REP 09-GBC-194	QC																				
09-GBC-199	Till	12.3	125.2	1.65	446.7	0.081	<20	1.35	0.019	0.10	<0.1	5.9	0.19	<0.02	138	<0.1	0.06	4.1	1.01	<0.1	0.16
REP 09-GBC-199	QC																				
09-GBC-218	Till	17.5	131.3	1.26	263.1	0.097	<20	1.86	0.019	0.12	<0.1	10.8	0.32	<0.02	451	0.5	0.06	5.8	1.04	<0.1	0.13
REP 09-GBC-218	QC	17.0	132.9	1.25	270.7	0.093	<20	1.86	0.019	0.12	<0.1	9.8	0.32	<0.02	425	0.7	0.06	5.6	1.01	<0.1	0.16
09-GBC-220	Till	11.0	132.3	1.74	278.4	0.088	<20	1.62	0.014	0.11	<0.1	8.5	0.60	<0.02	254	0.7	0.07	4.9	0.96	<0.1	0.10
REP 09-GBC-220	QC																				
09-GBC-234	Till	11.9	100.4	1.56	244.1	0.098	<20	1.45	0.017	0.11	<0.1	7.3	0.36	<0.02	200	0.5	0.04	4.5	0.85	<0.1	0.15
REP 09-GBC-234	QC																				
09-GBC-250	Till	16.4	91.8	0.99	184.5	0.105	<20	1.49	0.015	0.10	<0.1	7.6	0.23	<0.02	203	0.4	0.03	4.8	0.77	<0.1	0.12
REP 09-GBC-250	QC	16.0	90.6	0.97	182.8	0.104	<20	1.49	0.015	0.10	<0.1	7.5	0.23	<0.02	164	0.4	0.04	4.7	0.76	<0.1	0.12
Reference Materials																					
STD BVGEO01	Standard	27.0	180.9	1.34	335.5	0.239	<20	2.37	0.192	0.91	3.1	5.9	0.62	0.71	97	4.9	1.05	7.1	7.15	0.1	0.31
STD BVGEO01	Standard	26.2	192.5	1.35	363.6	0.237	<20	2.37	0.193	0.90	3.3	6.5	0.65	0.66	110	5.4	1.08	7.9	7.83	0.1	0.32
STD BVGEO01	Standard	28.5	186.8	1.33	365.4	0.249	<20	2.35	0.204	0.93	3.5	6.2	0.67	0.69	113	4.7	1.11	8.4	7.85	0.2	0.36
STD DS11	Standard	20.1	65.3	0.87	414.5	0.098	<20	1.23	0.073	0.42	2.7	3.5	5.22	0.29	259	2.3	4.75	5.3	2.97	<0.1	0.07

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002940A.2

		AQ250 Nb ppm 0.02	AQ250 Rb ppm 0.1	AQ250 Sn ppm 0.1	AQ250 Ta ppm 0.05	AQ250 Zr ppm 0.1	AQ250 Y ppm 0.01	AQ250 Ce ppm 0.1	AQ250 In ppm 0.02	AQ250 Re ppb 1	AQ250 Be ppm 0.1	AQ250 Li ppm 0.1	AQ250 Pd ppb 10	AQ250 Pt ppb 2	LF300 SiO2 % 0.01	LF300 Al2O3 % 0.01	LF300 Fe2O3 % 0.04	LF300 MgO % 0.01	LF300 CaO % 0.01	LF300 Na2O % 0.01	LF300 K2O % 0.01
09-GBC-126	Till	0.21	7.2	0.8	<0.05	4.5	9.62	27.0	0.03	<1	0.4	11.7	<10	3	67.18	12.51	5.70	2.41	1.89	2.32	1.57
REP 09-GBC-126	QC														67.16	12.53	5.73	2.41	1.89	2.31	1.56
09-GBC-144	Till	0.19	8.0	0.5	<0.05	5.2	12.46	35.9	<0.02	<1	0.5	12.7	<10	<2	68.67	12.37	5.24	1.95	2.50	2.28	1.83
REP 09-GBC-144	QC	0.21	7.9	0.5	<0.05	5.2	12.78	32.0	<0.02	<1	0.6	11.9	<10	<2							
09-GBC-146	Till	0.33	10.6	0.4	<0.05	1.2	5.47	29.4	<0.02	<1	0.5	15.0	<10	<2	67.96	12.74	5.15	2.06	2.49	2.17	2.06
REP 09-GBC-146	QC																				
09-GBC-163	Till	0.06	5.6	1.1	<0.05	4.6	10.28	22.5	0.03	<1	0.3	10.5	<10	<2	64.46	11.60	5.88	3.57	3.04	2.25	1.52
REP 09-GBC-163	QC														64.14	11.74	5.95	3.62	3.07	2.24	1.54
09-GBC-180	Till	0.03	6.9	0.8	<0.05	6.6	9.80	21.6	0.02	2	0.5	11.0	<10	2	59.28	11.26	6.33	4.99	5.10	1.94	1.46
REP 09-GBC-180	QC	0.04	7.4	0.3	<0.05	7.5	10.39	23.2	<0.02	1	0.4	12.2	<10	3							
09-GBC-183	Till	0.25	7.1	0.5	<0.05	4.5	16.18	25.2	0.03	<1	0.4	12.4	<10	3	65.39	11.96	6.15	3.12	2.15	2.16	1.38
REP 09-GBC-183	QC																				
09-GBC-194	Till	0.07	6.2	1.1	<0.05	5.8	10.52	25.2	0.04	<1	0.2	10.8	<10	3	66.53	10.49	5.13	2.76	4.22	2.08	1.26
REP 09-GBC-194	QC														66.50	10.50	5.14	2.78	4.23	2.08	1.26
09-GBC-199	Till	0.07	6.5	0.4	<0.05	6.3	10.13	23.8	0.03	2	0.4	11.0	<10	<2	63.04	10.13	5.57	3.88	5.20	1.89	1.32
REP 09-GBC-199	QC														62.77	10.24	5.61	3.91	5.24	1.91	1.35
09-GBC-218	Till	0.13	8.0	2.6	<0.05	7.6	18.03	31.6	0.04	<1	0.4	14.0	<10	2	63.17	12.88	7.06	2.95	1.89	2.13	1.59
REP 09-GBC-218	QC	0.13	7.9	2.9	<0.05	7.5	17.27	30.6	0.03	2	0.8	13.7	<10	2							
09-GBC-220	Till	0.22	7.0	6.7	<0.05	5.8	11.38	22.0	0.04	<1	0.5	11.6	<10	2	57.10	11.64	6.63	3.92	5.85	1.91	1.58
REP 09-GBC-220	QC																				
09-GBC-234	Till	0.02	6.7	1.4	<0.05	7.3	10.45	23.8	0.03	<1	0.4	10.5	<10	<2	61.92	11.31	5.85	3.63	5.12	2.12	1.52
REP 09-GBC-234	QC														61.87	11.36	5.81	3.65	5.14	2.13	1.52
09-GBC-250	Till	0.08	6.6	0.8	<0.05	6.7	13.90	28.7	0.02	<1	0.5	10.7	<10	<2	67.29	12.14	5.87	2.45	2.11	2.39	1.68
REP 09-GBC-250	QC	0.09	6.5	0.6	<0.05	6.7	13.78	28.0	0.02	<1	0.5	10.7	<10	<2							
Reference Materials																					
STD BVGEO01	Standard	0.13	95.3	5.1	<0.05	8.6	14.50	55.4	0.44	4	0.6	19.9	125	183							
STD BVGEO01	Standard	0.15	97.9	5.9	<0.05	9.4	14.24	56.2	0.43	3	0.6	25.0	120	193							
STD BVGEO01	Standard	0.16	106.5	6.2	<0.05	10.9	16.18	60.5	0.50	4	0.8	22.4	127	197							
STD DS11	Standard	1.51	35.2	1.8	<0.05	2.7	8.34	40.0	0.24	50	0.7	23.6	97	186							

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002940A.2

		LF300 TiO2 % 0.01	LF300 P2O5 % 0.01	LF300 MnO % 0.01	LF300 Cr2O3 % 0.002	LF300 Cu ppm 5	LF300 Ba ppm 5	LF300 Zn ppm 5	LF300 Ni ppm 20	LF300 Co ppm 20	LF300 Sr ppm 2	LF300 Zr ppm 5	LF300 Ce ppm 30	LF300 Y ppm 3	LF300 Nb ppm 5	LF300 Sc ppm 1	LF300 LOI % -5.1	LF300 Sum % 0.01	TC000 TOT/C % 0.02	TC000 TOT/S % 0.02
09-GBC-126	Till	0.79	0.19	0.09	0.041	48	935	93	117	<20	254	151	40	19	7	15	5.1	99.95	0.43	<0.02
REP 09-GBC-126	QC	0.79	0.18	0.09	0.040	48	938	95	114	<20	255	153	33	19	10	15	5.1	99.95		
09-GBC-144	Till	0.71	0.25	0.12	0.021	47	1025	72	51	<20	309	174	49	25	8	16	3.8	99.95	0.34	<0.02
REP 09-GBC-144	QC																			
09-GBC-146	Till	0.75	0.21	0.09	0.018	42	1081	71	40	<20	295	213	61	24	17	14	4.0	99.95	0.48	<0.02
REP 09-GBC-146	QC																		0.48	<0.02
09-GBC-163	Till	0.71	0.19	0.12	0.048	57	1006	109	200	23	256	136	36	19	9	15	6.3	99.92	0.53	<0.02
REP 09-GBC-163	QC	0.72	0.20	0.12	0.047	57	1022	109	195	23	260	135	45	20	9	15	6.3	99.92		
09-GBC-180	Till	0.71	0.18	0.13	0.041	63	1007	115	246	33	253	119	40	19	8	14	8.3	99.90	1.09	<0.02
REP 09-GBC-180	QC																			
09-GBC-183	Till	0.76	0.18	0.08	0.048	60	964	93	230	<20	227	137	<30	25	<5	16	6.3	99.91	0.66	<0.02
REP 09-GBC-183	QC																		0.66	<0.02
09-GBC-194	Till	0.65	0.20	0.09	0.033	49	1035	80	130	<20	228	125	<30	20	<5	13	6.3	99.92	0.79	<0.02
REP 09-GBC-194	QC	0.65	0.19	0.09	0.033	47	1033	79	134	<20	229	131	<30	19	<5	12	6.3	99.93		
09-GBC-199	Till	0.66	0.17	0.10	0.040	63	1114	93	201	21	220	123	47	19	8	14	7.7	99.90	1.08	<0.02
REP 09-GBC-199	QC	0.67	0.17	0.10	0.041	64	1119	96	206	<20	223	116	33	20	9	14	7.7	99.91		
09-GBC-218	Till	0.77	0.19	0.13	0.042	79	1000	130	206	24	235	136	40	26	8	18	6.9	99.92	0.52	<0.02
REP 09-GBC-218	QC																			
09-GBC-220	Till	0.73	0.21	0.12	0.040	75	1072	159	224	28	274	119	<30	21	16	16	10.0	99.91	1.62	0.02
REP 09-GBC-220	QC																		1.59	<0.02
09-GBC-234	Till	0.76	0.21	0.13	0.034	63	990	122	187	27	278	129	34	20	12	15	7.1	99.92	0.76	<0.02
REP 09-GBC-234	QC	0.76	0.21	0.13	0.035	85	983	122	191	27	279	126	36	20	12	14	7.1	99.93		
09-GBC-250	Till	0.81	0.22	0.10	0.036	60	926	131	140	<20	260	183	46	25	9	15	4.6	99.93	0.37	<0.02
REP 09-GBC-250	QC																			
Reference Materials																				
STD BVGEO01	Standard																			
STD BVGEO01	Standard																			
STD BVGEO01	Standard																			
STD DS11	Standard																			

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002940A.2

		AQ250 Mo ppm 0.01	AQ250 Cu ppm 0.01	AQ250 Pb ppm 0.01	AQ250 Zn ppm 0.1	AQ250 Ag ppb 2	AQ250 Ni ppm 0.1	AQ250 Co ppm 0.1	AQ250 Mn ppm 1	AQ250 Fe % 0.01	AQ250 As ppm 0.1	AQ250 U ppm 0.1	AQ250 Au ppb 0.2	AQ250 Th ppm 0.1	AQ250 Sr ppm 0.5	AQ250 Cd ppm 0.01	AQ250 Sb ppm 0.02	AQ250 Bi ppm 0.02	AQ250 V ppm 1	AQ250 Ca % 0.01	AQ250 P % 0.001
STD DS11	Standard	13.74	145.80	136.59	342.5	1920	78.3	13.1	996	2.99	41.3	2.5	73.4	7.4	57.5	2.04	5.89	10.91	48	0.99	0.075
STD DS11	Standard	14.03	152.90	138.34	341.7	1761	81.1	13.7	1012	3.05	41.4	2.6	70.1	7.7	60.6	2.27	6.51	11.25	48	1.04	0.071
STD DS11	Standard	14.67	153.59	128.42	358.9	1844	84.5	14.7	1042	3.21	45.7	2.4	46.4	7.3	65.6	2.60	6.35	10.34	49	1.08	0.069
STD GS311-1	Standard																				
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STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
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STD OREAS262	Standard	0.70	121.94	64.07	166.4	479	68.7	30.4	580	3.45	37.3	1.4	56.7	10.8	37.6	0.69	1.66	1.12	25	3.16	0.043
STD OREAS262	Standard	0.58	121.70	56.95	149.3	454	69.2	25.0	560	3.36	35.1	1.2	58.7	9.3	32.4	0.58	2.38	1.00	22	3.01	0.039
STD OREAS262	Standard	0.66	117.72	58.99	154.5	477	66.7	27.1	549	3.27	35.8	1.3	62.3	10.2	34.3	0.63	2.10	1.04	22	2.95	0.040
STD OREAS262	Standard	0.65	120.72	61.54	159.3	481	69.0	29.0	562	3.38	36.5	1.4	60.4	10.5	35.0	0.61	1.80	1.08	23	3.03	0.043
STD OREAS262	Standard	0.65	127.85	61.32	167.2	493	70.3	30.0	578	3.53	39.7	1.3	67.2	9.6	35.0	0.62	2.03	1.07	22	3.20	0.045
STD OREAS262	Standard	0.63	121.10	59.27	169.1	460	66.4	25.6	566	3.39	36.8	1.3	56.9	9.5	38.9	0.73	1.98	1.15	23	3.00	0.044
STD OREAS262	Standard	0.70	127.08	54.67	157.7	495	69.4	30.0	550	3.43	36.8	1.2	53.1	9.0	35.1	0.71	2.09	0.91	22	3.13	0.039
STD SO-19	Standard																				
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Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002940A.2

		AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
STD DS11	Standard	16.9	57.6	0.80	401.1	0.083	<20	1.09	0.068	0.37	2.7	3.0	4.95	0.27	258	2.1	4.55	4.3	2.90	<0.1	0.05
STD DS11	Standard	17.4	57.1	0.83	389.9	0.087	<20	1.13	0.071	0.39	3.0	3.3	4.91	0.29	232	2.0	4.67	4.6	2.78	<0.1	0.06
STD DS11	Standard	17.0	59.9	0.86	384.8	0.088	<20	1.15	0.072	0.41	2.6	3.2	5.09	0.29	268	2.5	4.83	5.2	2.90	<0.1	0.07
STD GS311-1	Standard																				
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STD GS910-4	Standard																				
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STD OREAS262	Standard	18.7	48.0	1.23	257.5	0.003	<20	1.48	0.070	0.35	<0.1	3.7	0.54	0.28	172	0.4	0.24	4.2	2.45	<0.1	0.16
STD OREAS262	Standard	14.9	40.9	1.18	237.1	0.003	<20	1.26	0.070	0.30	<0.1	2.9	0.49	0.26	173	0.4	0.23	3.9	2.53	<0.1	0.19
STD OREAS262	Standard	16.9	43.4	1.18	263.1	0.003	<20	1.30	0.069	0.31	<0.1	3.4	0.47	0.27	169	<0.1	0.22	3.8	2.42	<0.1	0.20
STD OREAS262	Standard	17.6	45.6	1.22	256.5	0.003	<20	1.38	0.072	0.34	<0.1	3.6	0.51	0.28	169	0.2	0.25	3.9	2.41	<0.1	0.18
STD OREAS262	Standard	17.2	48.1	1.25	273.4	0.003	<20	1.38	0.072	0.33	<0.1	3.8	0.53	0.26	173	0.1	0.23	4.1	2.78	<0.1	0.21
STD OREAS262	Standard	18.0	39.1	1.20	262.6	0.003	<20	1.35	0.072	0.33	<0.1	3.4	0.47	0.27	172	0.2	0.21	4.2	2.56	<0.1	0.17
STD OREAS262	Standard	15.3	43.3	1.22	232.1	0.003	<20	1.29	0.071	0.31	<0.1	3.2	0.47	0.27	166	0.7	0.21	4.1	2.34	<0.1	0.25
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002940A.2

		AQ250 Nb ppm 0.02	AQ250 Rb ppm 0.1	AQ250 Sn ppm 0.1	AQ250 Ta ppm 0.05	AQ250 Zr ppm 0.1	AQ250 Y ppm 0.01	AQ250 Ce ppm 0.1	AQ250 In ppm 0.02	AQ250 Re ppb 1	AQ250 Be ppm 0.1	AQ250 Li ppm 0.1	AQ250 Pd ppb 10	AQ250 Pt ppb 2	LF300 SiO2 % 0.01	LF300 Al2O3 % 0.01	LF300 Fe2O3 % 0.04	LF300 MgO % 0.01	LF300 CaO % 0.01	LF300 Na2O % 0.01	LF300 K2O % 0.01
STD DS11	Standard	1.12	32.5	1.5	<0.05	2.4	6.95	34.3	0.23	42	0.7	20.3	94	172							
STD DS11	Standard	1.29	32.3	1.9	<0.05	2.7	7.42	35.0	0.24	50	0.6	22.5	100	177							
STD DS11	Standard	1.24	34.7	1.6	<0.05	3.0	7.60	33.2	0.25	44	0.7	22.7	106	176							
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD OREAS262	Standard	<0.02	21.0	0.4	<0.05	6.3	11.63	39.0	0.03	<1	1.1	18.8	<10	<2							
STD OREAS262	Standard	<0.02	18.1	0.3	<0.05	7.3	9.99	32.7	0.04	1	1.1	16.9	<10	<2							
STD OREAS262	Standard	<0.02	18.5	0.7	<0.05	8.3	10.68	34.6	0.03	1	1.1	17.2	<10	<2							
STD OREAS262	Standard	<0.02	20.1	0.3	<0.05	6.8	11.02	36.0	0.04	<1	1.2	17.6	<10	<2							
STD OREAS262	Standard	<0.02	21.4	0.5	<0.05	8.2	11.94	37.8	0.03	2	1.2	19.9	<10	<2							
STD OREAS262	Standard	<0.02	21.2	0.4	<0.05	7.2	11.20	36.5	0.03	<1	0.8	19.5	<10	<2							
STD OREAS262	Standard	<0.02	18.9	0.4	<0.05	10.0	10.68	29.6	0.03	<1	1.1	17.3	<10	<2							
STD SO-19	Standard														60.37	14.00	7.48	2.93	6.00	4.03	1.30
STD SO-19	Standard														60.20	14.07	7.51	2.94	5.99	4.08	1.30
STD SO-19	Standard														60.52	13.98	7.43	2.89	5.97	4.05	1.27
STD SO-19	Standard														60.54	14.02	7.37	2.91	5.95	4.04	1.27
STD SO-19	Standard														60.55	13.94	7.45	2.90	5.94	4.06	1.29

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002940A.2

		LF300 TiO2 % 0.01	LF300 P2O5 % 0.01	LF300 MnO % 0.01	LF300 Cr2O3 % 0.002	LF300 Cu ppm 5	LF300 Ba ppm 5	LF300 Zn ppm 5	LF300 Ni ppm 20	LF300 Co ppm 20	LF300 Sr ppm 2	LF300 Zr ppm 5	LF300 Ce ppm 30	LF300 Y ppm 3	LF300 Nb ppm 5	LF300 Sc ppm 1	LF300 LOI % -5.1	LF300 Sum % 0.01	TC000 TOT/C % 0.02	TC000 TOT/S % 0.02
STD DS11	Standard																			
STD DS11	Standard																			
STD DS11	Standard																			
STD GS311-1	Standard																		0.98	2.24
STD GS311-1	Standard																		0.95	2.32
STD GS311-1	Standard																		0.96	2.29
STD GS311-1	Standard																		0.97	2.27
STD GS311-1	Standard																		0.99	2.26
STD GS311-1	Standard																		0.99	2.29
STD GS311-1	Standard																		0.98	2.30
STD GS910-4	Standard																		2.68	8.29
STD GS910-4	Standard																		2.63	8.39
STD GS910-4	Standard																		2.64	8.30
STD GS910-4	Standard																		2.63	8.44
STD GS910-4	Standard																		2.68	8.49
STD GS910-4	Standard																		2.69	7.93
STD GS910-4	Standard																		2.65	8.12
STD OREAS262	Standard																			
STD OREAS262	Standard																			
STD OREAS262	Standard																			
STD OREAS262	Standard																			
STD OREAS262	Standard																			
STD OREAS262	Standard																			
STD OREAS262	Standard																			
STD SO-19	Standard	0.70	0.32	0.13	0.498	67	468	83	471	25	318	115	153	35	72	26	1.9	99.91		
STD SO-19	Standard	0.70	0.32	0.13	0.503	66	470	81	477	24	320	115	168	35	70	26	1.9	99.91		
STD SO-19	Standard	0.70	0.31	0.13	0.497	69	469	81	476	22	315	112	156	35	72	27	1.9	99.91		
STD SO-19	Standard	0.70	0.31	0.13	0.499	70	467	83	472	22	317	116	148	35	72	26	1.9	99.91		
STD SO-19	Standard	0.70	0.32	0.13	0.494	73	456	82	462	25	313	116	147	34	78	26	1.9	99.91		

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002940A.2

		AQ250 Mo ppm 0.01	AQ250 Cu ppm 0.01	AQ250 Pb ppm 0.01	AQ250 Zn ppm 0.1	AQ250 Ag ppb 2	AQ250 Ni ppm 0.1	AQ250 Co ppm 0.1	AQ250 Mn ppm 1	AQ250 Fe % 0.01	AQ250 As ppm 0.1	AQ250 U ppm 0.1	AQ250 Au ppb 0.2	AQ250 Th ppm 0.1	AQ250 Sr ppm 0.5	AQ250 Cd ppm 0.01	AQ250 Sb ppm 0.02	AQ250 Bi ppm 0.02	AQ250 V ppm 1	AQ250 Ca % 0.01	AQ250 P % 0.001
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD BVGEO01 Expected		10.8	4415	187	1741	2530	163	25	733	3.7	121	3.77	219	14.4	55	6.5	2.2	25.6	73	1.3219	0.0727
STD DS11 Expected		13.9	149	138	345	1710	77.7	14.2	1055	3.1	42.8	2.59	79	7.65	67.3	2.37	7.2	12.2	50	1.063	0.0701
STD OREAS262 Expected		0.68	118	56	154	450	62	26.9	530	3.284	35.8	1.22	65	9.33	36	0.61	3.39	1.03	22.5	2.98	0.04
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD SO-19 Expected																					
BLK	Blank	<0.01	<0.01	0.03	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	1.0	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001
BLK	Blank	<0.01	0.02	0.02	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001
BLK	Blank	<0.01	0.02	0.02	<0.1	<2	<0.1	<0.1	<1	<0.01	0.2	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	0.2	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001
BLK	Blank	<0.01	<0.01	0.02	<0.1	<2	<0.1	<0.1	<1	<0.01	0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	0.001
BLK	Blank	<0.01	<0.01	0.02	<0.1	<2	0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001
BLK	Blank																				
BLK	Blank																				
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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: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002940A.2

		AQ250 La ppm 0.5	AQ250 Cr ppm 0.5	AQ250 Mg % 0.01	AQ250 Ba ppm 0.5	AQ250 Ti % 0.001	AQ250 B ppm 20	AQ250 Al % 0.01	AQ250 Na % 0.001	AQ250 K % 0.01	AQ250 W ppm 0.1	AQ250 Sc ppm 0.1	AQ250 Tl ppm 0.02	AQ250 S % 0.02	AQ250 Hg ppb 5	AQ250 Se ppm 0.1	AQ250 Te ppm 0.02	AQ250 Ga ppm 0.1	AQ250 Cs ppm 0.02	AQ250 Ge ppm 0.1	AQ250 Hf ppm 0.02
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD BVGEO01 Expected		25.9	171	1.2963	340	0.233		2.347	0.1924	0.89	3.5	5.97	0.62	0.6655	100	4.84	1.02	7.37	7.36	0.15	0.32
STD DS11 Expected		18.6	61.5	0.85	417	0.0976		1.129	0.0694	0.4	2.9	3.1	4.9	0.2835	260	2.2	4.56	4.7	2.88	0.08	0.06
STD OREAS262 Expected		15.9	41.7	1.17	248	0.003		1.204	0.071	0.312	0.13	3.24	0.47	0.253	170	0.4	0.23	3.73	2.8		0.27
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD SO-19 Expected																					
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	0.8	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	0.7	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	6	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	6	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
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: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002940A.2

		AQ250 Nb ppm 0.02	AQ250 Rb ppm 0.1	AQ250 Sn ppm 0.1	AQ250 Ta ppm 0.05	AQ250 Zr ppm 0.1	AQ250 Y ppm 0.01	AQ250 Ce ppm 0.1	AQ250 In ppm 0.02	AQ250 Re ppb 1	AQ250 Be ppm 0.1	AQ250 Li ppm 0.1	AQ250 Pd ppb 10	AQ250 Pt ppb 2	LF300 SiO2 % 0.01	LF300 Al2O3 % 0.01	LF300 Fe2O3 % 0.04	LF300 MgO % 0.01	LF300 CaO % 0.01	LF300 Na2O % 0.01	LF300 K2O % 0.01
STD SO-19	Standard														60.63	13.96	7.40	2.91	5.95	4.01	1.26
STD SO-19	Standard														60.51	13.96	7.46	2.92	5.92	4.05	1.29
STD SO-19	Standard														60.52	13.96	7.46	2.92	5.99	4.01	1.27
STD SO-19	Standard														60.58	14.00	7.45	2.89	5.90	4.01	1.30
STD SO-19	Standard														60.47	13.95	7.50	2.92	5.98	4.03	1.29
STD SO-19	Standard														60.56	13.95	7.46	2.92	5.97	3.97	1.28
STD SO-19	Standard														60.34	14.10	7.45	2.94	6.02	3.99	1.26
STD SO-19	Standard														60.75	13.72	7.55	2.86	5.90	4.04	1.30
STD SO-19	Standard														60.55	13.92	7.47	2.90	5.97	4.01	1.29
STD SO-19	Standard														60.93	13.85	7.33	2.88	5.93	3.97	1.26
STD SO-19	Standard														60.67	13.90	7.41	2.90	5.91	4.03	1.29
STD BVGEO01 Expected		0.17	95	5.64		9.1	14.5	53	0.47	4	0.69	21.4	134	182							
STD DS11 Expected		1.2	33.6	1.8		2.4	7.82	37	0.24	50	0.67	23.3	100	172							
STD OREAS262 Expected			18.6	0.5		8.3	11.2	32	0.033		1.14	17.8									
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD SO-19 Expected															61.13	13.95	7.47	2.88	6	4.11	1.29
BLK	Blank	<0.02	<0.1	<0.1	<0.05	0.2	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							
BLK	Blank	<0.02	<0.1	<0.1	<0.05	0.2	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							
BLK	Blank	<0.02	<0.1	<0.1	<0.05	0.3	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							
BLK	Blank	<0.02	<0.1	<0.1	<0.05	0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							
BLK	Blank	<0.02	<0.1	<0.1	<0.05	0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							
BLK	Blank																				
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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002940A.2

		LF300 TiO2 % 0.01	LF300 P2O5 % 0.01	LF300 MnO % 0.01	LF300 Cr2O3 % 0.002	LF300 Cu ppm 5	LF300 Ba ppm 5	LF300 Zn ppm 5	LF300 Ni ppm 20	LF300 Co ppm 20	LF300 Sr ppm 2	LF300 Zr ppm 5	LF300 Ce ppm 30	LF300 Y ppm 3	LF300 Nb ppm 5	LF300 Sc ppm 1	LF300 LOI % -5.1	LF300 Sum % 0.01	TC000 TOT/C % 0.02	TC000 TOT/S % 0.02
STD SO-19	Standard	0.70	0.32	0.13	0.493	76	456	81	464	24	312	116	148	33	72	26	1.9	99.92		
STD SO-19	Standard	0.70	0.32	0.13	0.502	67	466	85	473	26	315	116	150	35	71	26	1.9	99.92		
STD SO-19	Standard	0.70	0.32	0.13	0.496	67	468	82	468	<20	315	115	150	35	71	26	1.9	99.93		
STD SO-19	Standard	0.70	0.31	0.13	0.500	68	462	85	460	25	314	112	160	34	71	26	1.9	99.91		
STD SO-19	Standard	0.70	0.31	0.13	0.483	65	462	81	461	23	313	117	161	34	70	26	1.9	99.92		
STD SO-19	Standard	0.70	0.32	0.13	0.498	64	469	83	479	24	317	118	160	35	74	26	1.9	99.90		
STD SO-19	Standard	0.71	0.32	0.13	0.501	64	465	80	474	22	320	118	160	35	74	26	1.9	99.91		
STD SO-19	Standard	0.69	0.32	0.13	0.486	70	474	82	478	24	313	117	158	35	71	27	1.9	99.91		
STD SO-19	Standard	0.70	0.31	0.13	0.498	68	467	82	478	28	317	115	155	35	71	27	1.9	99.90		
STD SO-19	Standard	0.70	0.30	0.13	0.485	62	460	79	470	28	310	113	153	33	69	25	1.9	99.91		
STD SO-19	Standard	0.70	0.32	0.13	0.493	63	464	79	466	24	311	113	154	35	69	26	1.9	99.90		
STD BVGEO01 Expected																				
STD DS11 Expected																				
STD OREAS262 Expected																				
STD GS311-1 Expected																			1.02	2.35
STD GS910-4 Expected																			2.65	8.27
STD SO-19 Expected		0.69	0.32	0.13	0.5	69	486	75	470	24	317.1	112	161	35.5	68.5	27				
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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: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002940A.2

		AQ250 Mo ppm 0.01	AQ250 Cu ppm 0.01	AQ250 Pb ppm 0.01	AQ250 Zn ppm 0.1	AQ250 Ag ppb 2	AQ250 Ni ppm 0.1	AQ250 Co ppm 0.1	AQ250 Mn ppm 1	AQ250 Fe % 0.01	AQ250 As ppm 0.1	AQ250 U ppm 0.1	AQ250 Au ppb 0.2	AQ250 Th ppm 0.1	AQ250 Sr ppm 0.5	AQ250 Cd ppm 0.01	AQ250 Sb ppm 0.02	AQ250 Bi ppm 0.02	AQ250 V ppm 1	AQ250 Ca % 0.01	AQ250 P % 0.001
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PHONE (604) 253-3158

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002940A.2

		AQ250 La ppm 0.5	AQ250 Cr ppm 0.5	AQ250 Mg % 0.01	AQ250 Ba ppm 0.5	AQ250 Ti % 0.001	AQ250 B ppm 20	AQ250 Al % 0.01	AQ250 Na % 0.001	AQ250 K % 0.01	AQ250 W ppm 0.1	AQ250 Sc ppm 0.1	AQ250 Tl ppm 0.02	AQ250 S % 0.02	AQ250 Hg ppb 5	AQ250 Se ppm 0.1	AQ250 Te ppm 0.02	AQ250 Ga ppm 0.1	AQ250 Cs ppm 0.02	AQ250 Ge ppm 0.1	AQ250 Hf ppm 0.02
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3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002940A.2

		AQ250 Nb ppm 0.02	AQ250 Rb ppm 0.1	AQ250 Sn ppm 0.1	AQ250 Ta ppm 0.05	AQ250 Zr ppm 0.1	AQ250 Y ppm 0.01	AQ250 Ce ppm 0.1	AQ250 In ppm 0.02	AQ250 Re ppb 1	AQ250 Be ppm 0.1	AQ250 Li ppm 0.1	AQ250 Pd ppb 10	AQ250 Pt ppb 2	LF300 SiO2 % 0.01	LF300 Al2O3 % 0.01	LF300 Fe2O3 % 0.04	LF300 MgO % 0.01	LF300 CaO % 0.01	LF300 Na2O % 0.01	LF300 K2O % 0.01
BLK	Blank																				
BLK	Blank																				
BLK	Blank														0.03	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01
BLK	Blank														0.03	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01
BLK	Blank														0.02	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01
BLK	Blank														0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01
BLK	Blank														0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01
BLK	Blank														0.03	<0.01	0.05	<0.01	<0.01	<0.01	<0.01
BLK	Blank														0.02	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01
BLK	Blank														0.03	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01

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PHONE (604) 253-3158

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002940A.2

		LF300 TiO2 % 0.01	LF300 P2O5 % 0.01	LF300 MnO % 0.01	LF300 Cr2O3 % 0.002	LF300 Cu ppm 5	LF300 Ba ppm 5	LF300 Zn ppm 5	LF300 Ni ppm 20	LF300 Co ppm 20	LF300 Sr ppm 2	LF300 Zr ppm 5	LF300 Ce ppm 30	LF300 Y ppm 3	LF300 Nb ppm 5	LF300 Sc ppm 1	LF300 LOI % -5.1	LF300 Sum % 0.01	TC000 TOT/C % 0.02	TC000 TOT/S % 0.02
BLK	Blank																		<0.02	<0.02
BLK	Blank																		<0.02	<0.02
BLK	Blank	<0.01	<0.01	<0.01	<0.002	<5	<5	<5	<20	<20	<2	<5	<30	<3	<5	<1	0.0	0.04		
BLK	Blank	<0.01	<0.01	<0.01	<0.002	8	<5	<5	<20	<20	<2	<5	<30	<3	<5	<1	0.0	0.02		
BLK	Blank	<0.01	<0.01	<0.01	<0.002	22	<5	9	<20	<20	<2	<5	<30	<3	<5	<1	0.0	<0.01		
BLK	Blank	<0.01	<0.01	<0.01	<0.002	<5	<5	<5	<20	<20	<2	<5	<30	<3	<5	<1	0.0	<0.01		
BLK	Blank	<0.01	<0.01	<0.01	<0.002	<5	<5	<5	<20	<20	<2	<5	<30	<3	<5	<1	0.0	0.02		
BLK	Blank	<0.01	<0.01	<0.01	<0.002	<5	<5	<5	<20	<20	<2	<5	<30	<3	<5	<1	0.0	0.06		
BLK	Blank	<0.01	<0.01	<0.01	<0.002	5	<5	<5	<20	<20	<2	<5	<30	<3	<5	<1	0.0	0.04		
BLK	Blank	<0.01	<0.01	<0.01	<0.002	<5	<5	<5	<20	<20	<2	<5	<30	<3	<5	<1	0.0	0.08		

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Submitted By: Wayne Jackaman
Receiving Lab: Canada-Vancouver
Received: December 05, 2019
Report Date: December 16, 2019
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN19002940R.1

CLIENT JOB INFORMATION

Project: BG_RE_01
Shipment ID:
P.O. Number
Number of Samples: 27

SAMPLE DISPOSAL

PICKUP-PLP Client to Pickup Pulps

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
AQ250	27	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Noble Exploration Services Ltd.
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1
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: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: December 16, 2019

CERTIFICATE OF ANALYSIS VAN19002940R.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
09-GBC-059	Till	1.31	59.35	9.55	99.4	160	96.0	19.6	768	3.37	9.5	0.7	2.7	3.6	47.4	0.65	0.60	0.25	79	1.11	0.114
09-GBC-060	Till	0.68	30.31	5.58	72.1	92	52.5	9.9	342	2.31	5.0	0.6	2.9	2.9	34.4	0.29	0.35	0.12	58	0.45	0.087
09-GBC-061 DUP of 09-GBC-072	Pulp DUP	1.02	42.48	5.17	89.6	48	53.3	9.2	406	2.69	9.3	0.5	1.8	2.8	37.7	0.37	0.64	0.09	67	0.40	0.086
09-GBC-062	Rock Pulp	15.29	253.84	39.90	63.3	197	16.8	6.2	311	3.47	114.2	2.7	4.3	13.2	10.5	0.16	0.46	48.62	40	0.13	0.085
09-GBC-063	Till	0.75	43.15	5.73	65.8	62	81.3	10.9	582	2.64	7.7	0.6	0.9	3.5	46.8	0.34	0.45	0.16	61	0.64	0.098
09-GBC-064	Till	0.78	63.87	7.88	109.0	176	96.7	15.5	561	3.60	9.4	0.9	4.4	3.8	50.2	0.20	0.49	0.21	81	0.51	0.080
09-GBC-065	Till	0.92	56.76	8.78	93.0	71	92.0	15.0	591	3.34	9.5	0.7	2.5	3.4	44.8	0.30	0.53	0.21	81	0.60	0.093
09-GBC-072	Till	0.96	37.48	4.84	76.4	48	47.7	9.3	284	2.65	7.9	0.5	2.1	2.4	33.4	0.38	0.62	0.08	66	0.39	0.095
09-GBC-076	Till	0.92	34.97	6.05	54.1	78	47.1	10.2	565	1.99	4.8	1.5	1.7	5.4	35.4	0.68	0.32	0.22	58	0.54	0.128
09-GBC-079	Till	1.15	53.44	7.64	85.9	151	77.6	17.9	964	3.26	9.1	0.6	4.0	3.1	46.7	0.75	0.51	0.16	79	0.82	0.093
09-GBC-080	Till	0.74	45.23	8.56	93.2	41	51.0	12.1	466	3.32	5.4	1.7	1.2	6.0	29.9	0.17	0.23	0.33	72	0.40	0.090
09-GBC-081 DUP of 09-GBC-083	Pulp DUP	0.72	37.64	6.30	64.4	72	66.5	12.8	457	2.72	8.0	0.7	2.6	3.4	38.1	0.26	0.41	0.15	67	0.53	0.107
09-GBC-082	Rock Pulp	15.77	251.71	39.19	70.0	186	15.6	5.8	280	3.42	115.2	2.9	5.2	14.0	10.3	0.16	0.47	50.12	40	0.13	0.080
09-GBC-083	Till	0.67	41.38	6.84	64.0	79	63.8	13.3	509	2.67	7.7	0.8	1.8	3.6	40.0	0.23	0.46	0.15	66	0.52	0.090
09-GBC-084	Till	1.02	46.87	7.40	80.6	90	77.0	14.2	562	3.00	19.0	0.9	0.5	3.8	74.5	0.70	0.50	0.27	71	2.08	0.103
09-GBC-085	Till	1.31	69.20	9.65	103.2	226	92.1	20.3	729	3.43	12.7	0.9	2.1	3.4	88.5	0.85	0.63	0.25	83	2.36	0.114
09-GBC-090	Till	0.83	41.24	6.31	70.7	69	49.2	12.7	417	2.91	11.3	0.7	1.8	3.4	58.5	0.25	0.70	0.13	73	0.92	0.082
09-GBC-097	Till	0.55	32.46	5.71	55.9	23	54.7	11.4	400	2.58	5.5	0.5	2.8	2.7	39.9	0.19	0.48	0.09	71	0.57	0.082
09-GBC-099	Till	0.91	74.08	9.57	134.9	280	108.4	19.5	603	4.20	9.7	0.7	1.7	3.5	53.9	0.24	0.46	0.17	90	0.65	0.066
09-GBC-100	Till	1.22	42.02	7.55	90.2	69	88.1	15.7	606	3.15	8.8	0.7	0.5	3.3	71.2	0.77	0.44	0.16	74	1.98	0.107
09-GBC-101 DUP of 09-GBC-112	Pulp DUP	0.58	28.17	4.38	52.1	81	47.4	9.7	470	2.36	6.1	0.4	0.9	2.3	69.4	0.32	0.43	0.06	66	1.70	0.096
09-GBC-102	Rock Pulp	15.35	241.16	40.10	63.6	192	15.1	6.2	257	3.48	114.5	2.9	4.4	14.3	10.6	0.16	0.49	51.01	41	0.13	0.072
09-GBC-103	Till	1.80	59.79	8.51	90.6	172	90.3	16.8	676	2.83	8.1	0.8	1.8	3.4	81.4	0.83	0.45	0.16	69	1.95	0.102
09-GBC-104	Till	1.68	54.65	10.36	103.9	157	99.7	18.5	718	3.15	16.6	0.7	62.6	2.6	86.6	0.96	1.18	0.21	71	2.82	0.087
09-GBC-105	Till	1.23	46.98	6.86	86.5	166	96.0	16.0	670	2.83	7.6	0.6	1.3	2.8	76.4	0.61	0.47	0.11	68	1.93	0.092
09-GBC-108	Till	0.88	44.92	7.44	80.9	125	99.3	15.4	662	3.11	10.6	0.5	1.0	2.7	70.7	0.75	0.64	0.11	68	2.15	0.085
09-GBC-112	Till	0.58	27.56	4.16	48.0	79	43.2	10.8	427	2.31	5.8	0.4	<0.2	2.2	68.7	0.31	0.48	0.06	65	1.66	0.110

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: December 16, 2019

CERTIFICATE OF ANALYSIS VAN19002940R.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
09-GBC-059	Till	12.2	76.3	1.12	269.0	0.109	<20	1.85	0.017	0.18	0.1	7.8	0.28	<0.02	149	0.1	0.04	5.8
09-GBC-060	Till	14.8	67.2	0.64	135.2	0.112	<20	1.31	0.011	0.08	<0.1	5.8	0.13	<0.02	110	<0.1	<0.02	4.3
09-GBC-061 DUP of 09-GBC-072	Pulp DUP	12.7	70.3	0.66	153.9	0.103	<20	1.47	0.007	0.08	<0.1	6.1	0.28	<0.02	105	0.2	0.03	4.3
09-GBC-062	Rock Pulp	30.9	25.6	0.53	75.2	0.118	<20	2.10	0.028	0.32	>100	5.3	0.46	0.06	<5	0.6	0.22	6.3
09-GBC-063	Till	15.0	62.5	0.89	165.2	0.112	<20	1.36	0.024	0.09	0.1	6.2	0.18	<0.02	186	<0.1	0.02	4.2
09-GBC-064	Till	17.4	100.4	1.07	258.6	0.112	<20	2.29	0.014	0.13	<0.1	9.6	0.26	<0.02	172	0.3	0.03	7.0
09-GBC-065	Till	14.0	84.9	0.97	211.0	0.105	<20	1.96	0.018	0.12	<0.1	8.2	0.23	<0.02	124	<0.1	0.04	5.8
09-GBC-072	Till	10.9	59.1	0.65	131.4	0.096	<20	1.45	0.008	0.07	<0.1	5.2	0.24	<0.02	134	0.3	<0.02	3.9
09-GBC-076	Till	17.8	41.1	0.48	139.0	0.089	<20	1.18	0.015	0.08	0.2	5.9	0.21	<0.02	210	0.1	0.03	3.4
09-GBC-079	Till	13.1	70.5	1.04	187.3	0.101	<20	1.78	0.018	0.13	<0.1	8.0	0.26	<0.02	148	0.1	0.04	4.8
09-GBC-080	Till	18.2	75.7	0.88	177.3	0.131	<20	2.55	0.008	0.26	<0.1	7.8	0.33	<0.02	65	0.3	<0.02	7.5
09-GBC-081 DUP of 09-GBC-083	Pulp DUP	14.0	71.9	0.63	154.0	0.115	<20	1.52	0.013	0.11	<0.1	6.9	0.17	<0.02	148	0.2	0.02	4.8
09-GBC-082	Rock Pulp	32.1	26.8	0.52	71.3	0.116	<20	2.05	0.028	0.31	>100	5.1	0.45	0.06	<5	0.4	0.19	6.8
09-GBC-083	Till	16.6	72.1	0.62	163.6	0.119	<20	1.50	0.012	0.11	0.1	7.1	0.17	<0.02	159	0.2	<0.02	5.1
09-GBC-084	Till	14.0	64.5	0.98	214.3	0.106	<20	1.60	0.020	0.15	<0.1	6.8	0.23	<0.02	897	<0.1	0.03	4.7
09-GBC-085	Till	12.7	81.3	1.30	199.6	0.120	<20	1.86	0.023	0.18	0.1	7.9	0.32	<0.02	183	0.4	0.03	5.6
09-GBC-090	Till	13.6	63.1	0.91	170.9	0.118	<20	1.75	0.012	0.11	<0.1	6.9	0.20	<0.02	191	0.1	0.03	5.7
09-GBC-097	Till	13.1	68.9	0.82	123.1	0.129	<20	1.39	0.010	0.07	<0.1	6.6	0.12	<0.02	70	0.1	<0.02	4.4
09-GBC-099	Till	19.1	121.0	1.21	275.1	0.109	<20	2.62	0.012	0.16	<0.1	12.3	0.22	<0.02	166	0.3	0.04	7.5
09-GBC-100	Till	13.3	75.9	1.11	212.9	0.101	<20	1.57	0.022	0.15	<0.1	6.5	0.25	<0.02	141	0.2	0.03	5.8
09-GBC-101 DUP of 09-GBC-112	Pulp DUP	10.8	48.9	0.74	168.1	0.109	<20	1.04	0.023	0.09	<0.1	5.4	0.09	<0.02	141	<0.1	0.02	3.8
09-GBC-102	Rock Pulp	32.6	26.5	0.53	76.6	0.121	<20	2.10	0.026	0.32	>100	5.1	0.46	0.06	24	0.5	0.19	6.2
09-GBC-103	Till	14.0	86.3	1.12	237.3	0.115	<20	1.51	0.022	0.15	0.2	7.3	0.26	<0.02	179	0.3	0.04	5.0
09-GBC-104	Till	12.8	76.6	1.10	212.3	0.104	<20	1.32	0.020	0.12	<0.1	8.2	0.31	<0.02	207	0.2	0.03	4.3
09-GBC-105	Till	12.0	79.7	1.30	212.2	0.110	<20	1.40	0.020	0.14	<0.1	7.1	0.19	0.03	170	0.4	0.05	4.8
09-GBC-108	Till	12.5	76.6	1.14	197.0	0.112	<20	1.34	0.015	0.10	<0.1	7.6	0.20	<0.02	193	1.1	0.04	4.7
09-GBC-112	Till	10.6	45.2	0.72	150.9	0.110	<20	1.02	0.021	0.08	<0.1	4.8	0.09	<0.02	216	<0.1	<0.02	3.6

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: December 16, 2019

QUALITY CONTROL REPORT VAN19002940R.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
Pulp Duplicates																					
09-GBC-062	Rock Pulp	15.29	253.84	39.90	63.3	197	16.8	6.2	311	3.47	114.2	2.7	4.3	13.2	10.5	0.16	0.46	48.62	40	0.13	0.085
REP 09-GBC-062	QC	15.80	258.25	40.23	63.3	210	15.6	5.8	306	3.42	113.8	2.7	4.6	13.8	11.0	0.17	0.46	49.26	40	0.13	0.079
Reference Materials																					
STD BVGEO01	Standard	11.44	4258.47	196.11	1761.6	2611	158.2	25.7	747	3.58	117.0	3.9	224.4	17.0	55.7	6.36	2.07	25.40	72	1.30	0.076
STD DS11	Standard	15.25	156.53	139.96	350.1	1729	84.9	13.4	1063	3.18	47.1	2.8	114.7	8.8	74.5	2.65	7.28	12.60	49	1.09	0.066
STD OREAS262	Standard	0.65	118.07	58.45	151.4	473	65.0	28.3	513	3.16	35.6	1.2	55.2	10.5	34.8	0.63	2.63	1.04	21	2.89	0.041
STD OREAS262	Standard	0.61	128.01	57.90	151.8	472	64.2	25.0	521	3.30	36.3	1.3	61.2	9.9	37.8	0.69	2.29	1.07	22	3.03	0.043
STD BVGEO01 Expected		10.8	4415	187	1741	2530	163	25	733	3.7	121	3.77	219	14.4	55	6.5	2.2	25.6	73	1.3219	0.0727
STD DS11 Expected		13.9	149	138	345	1710	77.7	14.2	1055	3.1	42.8	2.59	79	7.65	67.3	2.37	7.2	12.2	50	1.063	0.0701
STD OREAS262 Expected		0.68	118	56	154	450	62	26.9	530	3.284	35.8	1.22	65	9.33	36	0.61	3.39	1.03	22.5	2.98	0.04
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: December 16, 2019

QUALITY CONTROL REPORT VAN19002940R.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
Pulp Duplicates																		
09-GBC-062	Rock Pulp	30.9	25.6	0.53	75.2	0.118	<20	2.10	0.028	0.32	>100	5.3	0.46	0.06	<5	0.6	0.22	6.3
REP 09-GBC-062	QC	29.5	26.0	0.52	78.8	0.116	<20	2.04	0.027	0.31	>100	5.9	0.43	0.06	<5	0.4	0.19	5.6
Reference Materials																		
STD BVGEO01	Standard	27.0	171.0	1.27	345.8	0.233	<20	2.29	0.188	0.86	3.5	6.3	0.65	0.67	93	4.6	0.99	7.0
STD DS11	Standard	20.6	65.7	0.87	453.2	0.101	<20	1.21	0.077	0.42	2.4	3.3	5.45	0.28	293	2.6	4.63	5.0
STD OREAS262	Standard	16.1	42.5	1.14	256.9	0.003	<20	1.23	0.064	0.29	0.1	3.3	0.48	0.25	153	0.4	0.23	3.6
STD OREAS262	Standard	18.2	41.7	1.19	269.3	0.003	<20	1.43	0.068	0.34	<0.1	3.2	0.52	0.26	153	0.2	0.20	3.9
STD BVGEO01 Expected		25.9	171	1.2963	340	0.233		2.347	0.1924	0.89	3.5	5.97	0.62	0.6655	100	4.84	1.02	7.37
STD DS11 Expected		18.6	61.5	0.85	417	0.0976		1.129	0.0694	0.4	2.9	3.1	4.9	0.2835	260	2.2	4.56	4.7
STD OREAS262 Expected		15.9	41.7	1.17	248	0.003		1.204	0.071	0.312	0.13	3.24	0.47	0.253	170	0.4	0.23	3.73
BLK	Blank	<0.5	0.8	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Submitted By:	Wayne Jackaman
Receiving Lab:	Canada-Vancouver
Received:	November 04, 2019
Analysis Start:	November 08, 2019
Report Date:	January 14, 2020
Page:	1 of 11

CERTIFICATE OF ANALYSIS VAN19002941A.2

CLIENT JOB INFORMATION

Project:	BG_RE_01
Shipment ID:	
P.O. Number	
Number of Samples:	278

SAMPLE DISPOSAL

PICKUP-PLP Client to Pickup Pulps

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
SLBHP	278	Sorting, labeling and boxing samples received as pulps			VAN
AQ250_EXT	278	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	0.5	Completed	VAN
LF302-EXT	278	LiBO2/LiB4O7 fusion ICP-ES analysis	0.2	Completed	VAN

ADDITIONAL COMMENTS

Version 2 : LF302-EXT included.

Invoice To: Noble Exploration Services Ltd.
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1
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: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002941A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
09-GBC-252	Till	1.09	73.54	10.57	100.4	75	134.7	21.1	1162	4.23	12.1	0.8	2.6	3.7	47.2	0.39	0.57	0.16	91	0.62	0.095
09-GBC-253	Till	0.98	75.14	9.41	107.1	61	121.9	24.0	971	4.92	12.2	0.7	2.3	3.6	52.5	0.36	0.58	0.14	102	0.81	0.097
09-GBC-254	Till	1.39	68.52	10.38	109.0	141	142.7	25.8	973	4.07	11.7	0.5	2.9	3.5	44.2	0.53	0.62	0.15	83	0.82	0.085
09-GBC-255	Till	1.31	55.37	7.80	87.4	112	107.6	22.2	952	3.22	9.1	0.7	1.8	5.2	73.5	0.56	0.52	0.14	75	2.57	0.093
09-GBC-256	Till	1.07	51.31	8.67	90.6	88	101.5	19.8	783	3.25	8.4	0.5	14.5	3.8	66.7	0.54	0.47	0.13	64	2.17	0.080
09-GBC-257	Till	0.87	67.19	8.22	96.5	84	114.5	20.6	880	3.67	10.4	0.6	3.3	3.2	45.7	0.21	0.64	0.14	78	0.66	0.100
09-GBC-258	Till	1.66	58.02	8.34	104.8	166	123.7	24.0	818	3.33	10.1	0.7	1.4	2.9	109.2	0.79	0.64	0.13	67	3.92	0.071
09-GBC-259	Till	0.65	27.00	5.09	65.1	34	70.4	11.0	439	2.24	5.2	0.4	0.9	2.2	26.1	0.21	0.35	0.08	53	0.41	0.076
09-GBC-260	Till	0.94	54.14	7.23	94.1	76	144.8	23.4	754	3.29	9.8	0.5	5.1	2.6	72.0	0.62	0.63	0.11	68	2.84	0.079
09-GBC-261 DUP of 09-GBC-272	Pulp DUP	0.31	20.28	4.66	39.5	28	42.4	6.4	195	1.57	1.7	0.4	1.5	1.9	22.3	0.04	0.14	0.06	36	0.32	0.050
09-GBC-262	Rock Pulp	0.65	50.13	14.00	67.3	214	18.9	12.9	1132	3.33	15.2	0.9	18.7	2.9	9.6	0.18	4.06	1.98	54	0.32	0.085
09-GBC-263	Till	1.06	51.95	9.12	100.5	66	128.4	19.2	738	3.09	9.4	0.6	1.9	2.7	77.5	0.68	0.57	0.10	64	2.31	0.086
09-GBC-264	Till	1.06	51.70	7.93	100.2	62	125.4	17.8	797	3.11	10.5	0.6	0.5	2.6	78.4	0.73	0.62	0.10	63	2.38	0.090
09-GBC-265	Till	0.85	38.52	6.44	80.9	83	91.5	13.1	463	2.65	7.4	0.5	74.4	2.8	39.6	0.26	0.48	0.09	59	0.77	0.074
09-GBC-266	Till	1.15	51.71	7.91	95.0	64	125.1	19.8	849	3.25	10.5	0.5	2.8	3.0	66.0	0.60	0.65	0.11	63	1.89	0.094
09-GBC-267	Till	0.89	45.47	8.33	71.5	118	116.7	16.0	626	2.87	7.4	0.5	3.1	2.3	28.0	0.18	0.43	0.10	56	0.43	0.067
09-GBC-268	Till	0.89	43.07	9.62	86.3	107	108.8	19.0	869	3.22	8.5	0.5	2.2	2.7	54.7	0.40	0.38	0.11	61	1.66	0.076
09-GBC-269	Till	0.96	52.58	15.38	83.4	75	102.5	17.4	891	3.01	9.0	0.5	2.8	2.8	47.3	0.40	0.45	0.11	57	1.09	0.099
09-GBC-270	Till	0.82	42.18	6.95	75.6	46	107.6	15.5	845	2.93	7.7	0.5	1.7	2.4	32.6	0.30	0.44	0.09	58	0.50	0.081
09-GBC-271	Till	0.82	43.22	7.18	80.2	63	98.9	15.3	692	3.19	8.4	0.5	2.5	2.6	39.0	0.34	0.43	0.11	61	1.13	0.077
09-GBC-272	Till	0.30	19.08	4.19	38.6	23	40.5	5.8	188	1.56	2.0	0.3	0.7	1.8	21.6	0.04	0.13	0.06	37	0.33	0.048
09-GBC-273	Till	0.95	48.62	7.51	93.8	108	135.7	19.0	783	3.20	8.8	0.5	2.0	2.4	69.7	0.52	0.40	0.10	62	2.69	0.078
09-GBC-274	Till	1.13	59.30	7.39	83.9	72	150.9	18.1	870	3.49	10.2	0.6	5.2	2.6	39.1	0.27	0.41	0.11	68	0.57	0.094
09-GBC-275	Till	0.73	54.39	6.23	82.6	84	173.3	17.2	526	3.27	8.3	0.6	3.2	2.6	32.0	0.11	0.37	0.10	59	0.53	0.075
09-GBC-276	Till	0.93	50.37	7.28	87.8	59	114.5	19.0	614	3.10	8.9	0.6	2.6	2.5	63.7	0.40	0.49	0.11	61	2.50	0.082
09-GBC-277	Till	0.62	36.01	6.00	63.6	42	95.4	12.1	563	2.79	7.3	0.6	1.8	1.9	30.2	0.12	0.42	0.08	54	0.45	0.078
09-GBC-278	Till	1.31	58.04	8.21	99.9	144	126.8	19.8	812	3.22	9.6	0.5	2.3	2.8	89.8	0.66	0.53	0.11	64	3.53	0.084
09-GBC-279	Till	1.20	53.61	7.70	84.3	106	120.5	16.7	640	3.04	10.2	0.5	2.1	2.2	63.4	0.58	0.60	0.12	54	3.00	0.082
09-GBC-280	Till	2.11	55.60	10.57	91.5	144	133.3	25.2	867	3.24	11.2	0.6	1.7	2.5	69.4	0.70	0.57	0.13	62	2.11	0.082
09-GBC-281 DUP of 09-GBC-287	Pulp DUP	0.70	37.68	5.48	65.5	36	148.7	16.3	610	2.62	6.9	0.5	1.7	2.1	31.5	0.31	0.43	0.07	49	0.54	0.085

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002941A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
09-GBC-252	Till	14.9	101.4	1.23	283.5	0.102	<20	2.24	0.019	0.13	<0.1	11.1	0.26	<0.02	951	<0.1	0.05	7.1	1.49	<0.1	0.15
09-GBC-253	Till	14.9	102.5	1.38	297.6	0.128	<20	2.45	0.026	0.13	<0.1	11.8	0.24	<0.02	200	<0.1	0.04	7.3	1.48	<0.1	0.22
09-GBC-254	Till	13.5	101.1	1.44	254.7	0.095	<20	2.00	0.021	0.14	<0.1	7.9	0.29	<0.02	203	<0.1	0.05	5.5	1.28	<0.1	0.17
09-GBC-255	Till	11.7	86.1	1.42	259.9	0.114	<20	1.69	0.023	0.10	<0.1	7.5	0.24	<0.02	193	<0.1	0.05	6.0	1.00	<0.1	0.23
09-GBC-256	Till	12.8	78.7	1.25	248.3	0.088	<20	1.64	0.021	0.12	<0.1	6.7	0.22	<0.02	207	<0.1	0.05	4.7	1.13	<0.1	0.18
09-GBC-257	Till	13.2	95.1	1.27	276.6	0.101	<20	2.00	0.021	0.11	<0.1	7.9	0.20	<0.02	168	0.1	0.04	5.4	1.15	<0.1	0.19
09-GBC-258	Till	10.6	97.5	1.53	283.5	0.092	<20	1.51	0.020	0.12	<0.1	6.6	0.25	<0.02	480	0.3	0.05	4.8	1.06	<0.1	0.13
09-GBC-259	Till	11.7	76.3	0.66	153.4	0.096	<20	1.24	0.011	0.05	<0.1	3.9	0.12	<0.02	90	0.2	0.02	3.8	0.63	<0.1	0.05
09-GBC-260	Till	10.6	97.2	1.60	165.7	0.097	<20	1.54	0.024	0.10	<0.1	6.6	0.30	<0.02	841	0.2	0.04	4.3	0.96	<0.1	0.17
09-GBC-261 DUP of 09-GBC-272	Pulp DUP	10.2	61.1	0.62	133.7	0.085	<20	1.13	0.011	0.04	<0.1	2.7	0.10	<0.02	38	<0.1	<0.02	3.2	0.59	<0.1	0.06
09-GBC-262	Rock Pulp	17.8	28.4	0.56	77.4	0.079	<20	1.82	0.032	0.05	0.1	4.6	0.14	<0.02	92	0.5	0.04	5.8	0.65	<0.1	0.03
09-GBC-263	Till	11.6	98.4	1.40	217.7	0.093	<20	1.36	0.022	0.11	<0.1	6.9	0.25	<0.02	193	0.2	0.03	3.6	0.90	<0.1	0.21
09-GBC-264	Till	11.3	94.2	1.39	226.6	0.089	<20	1.37	0.022	0.12	<0.1	7.3	0.26	<0.02	213	<0.1	0.02	4.1	0.95	<0.1	0.18
09-GBC-265	Till	12.0	84.9	0.83	193.7	0.093	<20	1.46	0.013	0.08	<0.1	5.5	0.19	<0.02	163	0.1	0.02	3.9	0.79	<0.1	0.09
09-GBC-266	Till	12.2	92.7	1.21	265.9	0.096	<20	1.40	0.020	0.10	<0.1	6.4	0.26	<0.02	179	0.1	0.04	4.1	0.90	<0.1	0.21
09-GBC-267	Till	12.8	102.3	0.93	213.1	0.088	<20	1.42	0.015	0.09	<0.1	6.2	0.17	<0.02	82	0.2	0.04	4.0	0.87	<0.1	0.06
09-GBC-268	Till	12.4	91.1	1.20	272.4	0.088	<20	1.49	0.023	0.12	<0.1	6.9	0.20	<0.02	97	<0.1	0.03	4.4	1.17	<0.1	0.16
09-GBC-269	Till	12.6	87.7	1.22	337.2	0.091	<20	1.44	0.027	0.10	<0.1	6.4	0.19	<0.02	132	0.1	0.06	4.9	1.04	<0.1	0.22
09-GBC-270	Till	11.9	97.1	0.83	270.7	0.087	<20	1.27	0.019	0.07	<0.1	6.2	0.15	<0.02	77	0.1	0.03	3.7	0.76	<0.1	0.21
09-GBC-271	Till	10.9	74.3	1.11	287.1	0.084	<20	1.49	0.024	0.12	<0.1	6.2	0.18	<0.02	79	<0.1	0.03	4.2	1.15	<0.1	0.22
09-GBC-272	Till	9.0	52.2	0.62	132.2	0.084	<20	1.14	0.012	0.04	<0.1	2.9	0.09	<0.02	33	<0.1	<0.02	3.3	0.59	<0.1	0.07
09-GBC-273	Till	10.6	104.0	1.49	276.8	0.080	<20	1.55	0.021	0.11	<0.1	6.8	0.21	<0.02	135	<0.1	0.03	4.2	0.97	<0.1	0.16
09-GBC-274	Till	12.2	102.8	1.22	304.2	0.090	<20	1.68	0.021	0.09	<0.1	7.7	0.19	<0.02	149	0.1	0.04	4.7	0.91	<0.1	0.14
09-GBC-275	Till	10.9	132.9	1.28	294.0	0.092	<20	1.70	0.017	0.09	<0.1	7.3	0.17	<0.02	151	0.1	0.03	4.4	0.79	<0.1	0.11
09-GBC-276	Till	10.8	96.0	1.31	289.6	0.093	<20	1.51	0.026	0.09	<0.1	6.7	0.21	<0.02	117	<0.1	0.04	4.8	1.00	<0.1	0.15
09-GBC-277	Till	11.6	94.0	0.82	226.9	0.090	<20	1.28	0.016	0.06	<0.1	6.6	0.13	<0.02	95	<0.1	0.03	4.6	0.65	<0.1	0.10
09-GBC-278	Till	10.1	100.7	1.62	289.5	0.084	<20	1.64	0.020	0.10	<0.1	7.1	0.25	<0.02	157	0.2	0.05	4.7	1.07	<0.1	0.16
09-GBC-279	Till	11.5	124.9	1.33	323.7	0.076	<20	1.24	0.019	0.08	<0.1	6.4	0.20	<0.02	173	<0.1	0.04	4.4	0.87	<0.1	0.11
09-GBC-280	Till	11.2	92.3	1.30	206.4	0.089	<20	1.36	0.019	0.11	<0.1	6.0	0.30	<0.02	147	0.1	0.04	4.5	1.02	<0.1	0.18
09-GBC-281 DUP of 09-GBC-287	Pulp DUP	10.3	103.3	1.48	197.7	0.086	<20	1.06	0.020	0.06	<0.1	5.8	0.14	<0.02	118	<0.1	0.02	2.8	0.55	<0.1	0.15

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002941A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%	%	%	%	%	%
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01
09-GBC-252	Till	0.08	10.6	0.4	<0.05	9.1	14.44	31.6	0.04	<1	0.7	16.9	<10	<2	60.51	14.06	7.48	3.01	2.08	1.96	1.88
09-GBC-253	Till	0.05	9.2	0.6	<0.05	10.7	14.94	30.0	0.04	<1	0.6	16.9	<10	3	61.31	13.88	7.20	2.93	2.37	2.23	1.76
09-GBC-254	Till	0.04	8.4	0.5	<0.05	8.3	12.62	31.4	0.03	2	0.6	15.0	<10	<2	61.10	13.53	7.21	3.41	2.32	1.96	1.85
09-GBC-255	Till	0.05	7.7	0.4	<0.05	9.4	10.61	24.4	0.03	<1	0.5	16.4	<10	2	62.44	11.50	5.78	3.21	4.83	1.93	1.58
09-GBC-256	Till	0.06	7.6	0.4	<0.05	8.0	10.16	28.6	0.03	<1	0.5	13.3	<10	<2	61.31	12.77	6.03	3.01	4.37	2.16	1.71
09-GBC-257	Till	0.07	7.8	0.5	<0.05	8.0	13.10	27.9	0.03	<1	0.5	13.6	<10	<2	62.88	13.36	6.63	3.14	2.29	2.17	1.66
09-GBC-258	Till	0.04	7.2	0.3	<0.05	6.6	9.68	22.6	0.02	4	0.4	12.0	<10	<2	57.21	11.68	6.07	3.60	6.96	1.94	1.65
09-GBC-259	Till	0.32	6.5	0.3	<0.05	1.8	6.47	26.1	<0.02	<1	0.3	13.2	<10	<2	70.66	11.73	4.54	1.97	1.92	2.50	1.57
09-GBC-260	Till	0.05	6.7	0.3	<0.05	7.4	9.86	22.4	0.03	1	0.4	12.6	<10	<2	60.65	11.42	6.03	3.70	5.38	2.14	1.50
09-GBC-261 DUP of 09-GBC-272	Pulp DUP	0.27	5.9	0.3	<0.05	2.6	4.48	20.3	<0.02	<1	0.2	9.5	<10	<2	73.68	11.12	3.26	1.86	1.67	2.56	1.38
09-GBC-262	Rock Pulp	1.07	6.1	1.0	<0.05	0.9	12.78	53.2	0.04	<1	0.5	10.4	<10	<2	60.54	13.63	6.99	2.17	2.67	2.73	2.12
09-GBC-263	Till	0.05	6.9	2.1	<0.05	7.9	9.46	24.9	0.02	<1	0.4	11.5	<10	<2	63.31	11.48	5.55	3.25	4.55	2.23	1.57
09-GBC-264	Till	0.04	7.3	1.2	<0.05	7.1	10.15	23.9	<0.02	2	0.4	11.9	<10	2	62.53	11.55	5.70	3.31	4.70	2.23	1.59
09-GBC-265	Till	0.17	6.6	0.5	<0.05	4.5	8.19	24.1	0.02	<1	0.5	10.6	<10	<2	68.04	11.81	5.05	2.21	2.30	2.39	1.58
09-GBC-266	Till	0.06	6.4	0.6	<0.05	8.8	9.77	26.5	0.02	<1	0.5	12.8	<10	<2	64.08	11.60	5.92	2.90	3.95	2.23	1.57
09-GBC-267	Till	0.13	7.6	1.8	<0.05	3.4	10.95	25.9	<0.02	<1	0.4	10.3	<10	2	68.69	11.87	5.36	2.51	1.81	2.31	1.47
09-GBC-268	Till	0.05	7.6	1.3	<0.05	7.8	10.30	27.7	0.03	<1	0.4	10.4	<10	<2	63.50	12.47	5.89	2.97	3.61	2.23	1.61
09-GBC-269	Till	0.04	7.2	1.4	<0.05	9.6	10.03	27.3	0.03	<1	0.5	11.0	<10	<2	66.15	11.93	5.63	3.00	2.91	2.21	1.47
09-GBC-270	Till	0.05	5.0	0.5	<0.05	8.0	10.13	24.2	0.03	<1	0.3	7.5	<10	<2	68.59	11.63	5.74	2.31	2.23	2.41	1.39
09-GBC-271	Till	0.05	8.3	0.4	<0.05	9.2	8.86	23.9	0.02	<1	0.4	11.3	<10	<2	65.46	12.32	5.78	2.83	3.01	2.24	1.60
09-GBC-272	Till	0.37	5.9	0.3	<0.05	2.8	4.45	19.0	<0.02	<1	0.2	8.7	<10	<2	73.42	11.12	3.28	1.87	1.67	2.56	1.39
09-GBC-273	Till	0.05	6.7	0.6	<0.05	6.8	9.21	22.8	0.02	<1	0.4	11.6	<10	4	61.43	11.76	5.74	3.39	5.02	2.13	1.50
09-GBC-274	Till	0.07	6.2	0.6	<0.05	6.3	12.51	26.2	0.03	<1	0.5	12.5	<10	<2	65.69	12.36	6.30	2.92	2.13	2.28	1.50
09-GBC-275	Till	0.10	6.4	0.8	<0.05	5.7	9.26	22.4	0.03	<1	0.5	10.3	<10	2	66.08	12.05	5.91	3.24	1.91	2.21	1.46
09-GBC-276	Till	0.07	6.4	0.6	<0.05	6.7	10.49	23.7	0.02	<1	0.4	10.5	<10	<2	62.38	11.65	5.74	3.22	4.90	2.23	1.42
09-GBC-277	Till	0.15	4.7	0.5	<0.05	4.6	10.95	24.3	<0.02	<1	0.4	8.9	<10	<2	69.33	11.52	5.20	2.22	2.10	2.56	1.36
09-GBC-278	Till	0.10	6.5	1.0	<0.05	7.0	9.53	23.1	0.03	3	0.5	13.3	<10	<2	58.10	11.79	5.79	3.61	6.22	2.01	1.54
09-GBC-279	Till	0.16	6.0	0.5	<0.05	5.7	10.54	23.2	<0.02	<1	0.4	10.2	<10	2	62.55	10.81	5.46	3.21	5.45	2.12	1.36
09-GBC-280	Till	0.07	7.1	1.1	<0.05	8.5	10.56	25.4	0.02	<1	0.4	10.7	<10	2	63.07	11.74	5.99	3.12	4.32	2.27	1.49
09-GBC-281 DUP of 09-GBC-287	Pulp DUP	0.04	3.6	0.3	<0.05	5.7	8.19	24.0	<0.02	<1	0.3	7.3	<10	<2	69.55	10.58	5.02	3.46	2.28	2.52	1.26

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002941A.2

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
	Analyte	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
	Unit	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	MDL	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3	5	1	-5.1	0.01	0.02	0.02
09-GBC-252	Till	0.76	0.21	0.17	0.031	73	1025	111	157	25	248	135	46	24	11	19	7.6	99.93	0.43	<0.02
09-GBC-253	Till	0.78	0.21	0.13	0.029	70	970	114	128	24	276	145	41	24	11	18	6.9	99.93	0.33	<0.02
09-GBC-254	Till	0.77	0.23	0.18	0.028	71	1052	125	168	32	242	139	35	23	10	17	7.1	99.92	0.49	<0.02
09-GBC-255	Till	0.65	0.21	0.13	0.029	55	925	98	126	23	262	152	<30	20	9	14	7.4	99.92	0.98	<0.02
09-GBC-256	Till	0.73	0.20	0.13	0.029	55	933	104	126	26	271	140	50	22	13	15	7.3	99.93	0.94	<0.02
09-GBC-257	Till	0.77	0.24	0.13	0.030	70	1034	103	143	20	256	116	34	23	5	17	6.4	99.94	0.39	<0.02
09-GBC-258	Till	0.69	0.20	0.13	0.029	60	1002	128	149	25	304	121	41	19	10	15	9.6	99.92	1.69	<0.02
09-GBC-259	Till	0.81	0.18	0.07	0.033	26	896	74	81	<20	260	158	45	18	13	12	3.8	99.95	0.43	<0.02
09-GBC-260	Till	0.68	0.20	0.13	0.035	57	869	106	179	27	279	114	30	20	10	15	7.9	99.92	1.17	<0.02
09-GBC-261 DUP of 09-GBC-272	Pulp DUP	0.78	0.12	0.05	0.029	22	864	50	61	<20	249	142	<30	16	11	10	3.3	99.97	0.38	<0.02
09-GBC-262	Rock Pulp	0.97	0.21	0.19	0.010	49	676	91	35	21	292	468	76	33	11	13	7.5	99.95	2.09	<0.02
09-GBC-263	Till	0.71	0.21	0.12	0.038	53	930	109	148	24	292	136	39	20	8	14	6.7	99.93	0.89	<0.02
09-GBC-264	Till	0.71	0.21	0.12	0.037	55	948	116	149	25	292	142	47	20	9	14	7.0	99.93	0.92	<0.02
09-GBC-265	Till	0.78	0.17	0.08	0.034	45	929	90	109	<20	260	160	39	20	9	13	5.3	99.95	0.62	<0.02
09-GBC-266	Till	0.74	0.21	0.12	0.041	51	985	108	154	26	280	157	49	22	11	15	6.4	99.93	0.70	<0.02
09-GBC-267	Till	0.77	0.18	0.11	0.046	45	954	89	150	<20	235	136	44	22	9	14	4.6	99.94	0.39	<0.02
09-GBC-268	Till	0.76	0.22	0.13	0.033	48	1007	97	132	22	272	139	38	22	9	15	6.3	99.94	0.59	<0.02
09-GBC-269	Till	0.71	0.20	0.13	0.030	62	1092	188	132	22	261	125	44	21	7	14	5.4	99.95	0.39	<0.02
09-GBC-270	Till	0.77	0.21	0.13	0.053	42	962	84	140	<20	266	171	36	22	6	14	4.3	99.95	0.16	<0.02
09-GBC-271	Till	0.71	0.20	0.12	0.029	51	1076	96	117	20	265	128	41	20	6	15	5.5	99.94	0.40	<0.02
09-GBC-272	Till	0.78	0.14	0.05	0.027	22	869	49	62	<20	251	140	41	15	6	10	3.5	99.97	0.37	<0.02
09-GBC-273	Till	0.70	0.19	0.13	0.039	67	994	103	168	26	270	120	41	21	6	15	7.7	99.93	1.03	<0.02
09-GBC-274	Till	0.78	0.22	0.12	0.043	71	1059	102	179	23	257	152	40	24	9	17	5.4	99.93	0.28	<0.02
09-GBC-275	Till	0.75	0.18	0.09	0.051	65	1059	95	220	<20	219	135	31	22	8	16	5.8	99.92	0.42	<0.02
09-GBC-276	Till	0.71	0.20	0.11	0.036	53	985	94	143	21	274	130	39	22	7	15	7.1	99.93	0.91	<0.02
09-GBC-277	Till	0.76	0.19	0.09	0.043	42	924	74	123	<20	273	163	39	22	8	14	4.4	99.96	0.36	<0.02
09-GBC-278	Till	0.69	0.21	0.13	0.032	66	1082	114	156	27	281	114	43	20	7	16	9.6	99.93	1.61	<0.02
09-GBC-279	Till	0.70	0.20	0.10	0.040	58	1021	92	152	20	253	126	33	21	6	14	7.7	99.93	1.17	<0.02
09-GBC-280	Till	0.76	0.22	0.15	0.038	71	935	102	172	30	284	145	44	23	<5	15	6.6	99.93	0.82	<0.02
09-GBC-281 DUP of 09-GBC-287	Pulp DUP	0.78	0.20	0.10	0.051	49	887	84	191	20	251	131	42	22	8	14	3.9	99.94	0.15	<0.02

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	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
09-GBC-282	Rock Pulp	14.44	232.65	35.44	55.1	162	13.4	5.8	250	3.31	100.5	2.3	4.6	11.2	8.1	0.12	0.43	41.86	36	0.12	0.066
09-GBC-283	Till	1.73	69.46	10.54	99.3	173	125.9	22.1	781	3.52	11.4	0.6	2.4	2.5	92.7	0.62	0.47	0.14	70	2.84	0.078
09-GBC-284	Till	1.03	45.01	7.88	86.9	55	143.9	18.9	695	3.17	9.8	0.5	1.0	2.1	63.3	0.55	0.46	0.11	58	2.74	0.074
09-GBC-285	Till	1.05	48.79	8.08	81.3	61	145.4	18.4	732	3.21	10.0	0.6	2.0	2.3	68.3	0.59	0.50	0.11	58	3.08	0.072
09-GBC-286	Till	1.06	42.72	7.66	85.7	72	143.4	17.9	693	3.20	9.4	0.5	1.4	2.0	37.6	0.40	0.46	0.10	58	0.94	0.064
09-GBC-287	Till	0.71	35.25	5.43	67.6	59	146.7	16.0	552	2.58	6.3	0.5	51.3	2.2	28.2	0.29	0.40	0.07	47	0.53	0.071
09-GBC-288	Till	2.85	82.06	10.90	145.1	108	279.2	25.6	731	4.22	16.8	0.9	3.5	2.9	46.3	0.87	0.97	0.18	74	0.61	0.082
09-GBC-289	Till	1.03	63.46	7.20	95.0	107	235.4	19.4	732	3.47	9.2	0.6	2.9	2.6	41.4	0.30	0.47	0.13	67	0.61	0.071
09-GBC-290	Till	0.64	69.88	6.05	107.6	111	484.9	31.0	578	3.92	8.1	1.0	1.6	2.6	33.2	0.24	0.46	0.11	60	0.53	0.070
09-GBC-291	Till	1.12	59.79	8.06	92.1	65	218.2	18.8	915	3.23	8.9	0.6	2.3	2.7	40.0	0.44	0.56	0.12	62	0.56	0.087
09-GBC-292	Till	1.05	67.84	9.60	107.5	54	132.4	18.8	886	3.50	11.2	0.6	2.0	3.2	51.0	0.38	0.63	0.13	75	0.67	0.098
09-GBC-293	Till	0.93	55.27	8.36	77.3	52	123.9	19.1	726	2.90	9.2	0.6	1.0	2.6	83.2	0.63	0.61	0.11	61	3.24	0.094
09-GBC-294	Till	1.39	59.24	9.62	102.4	107	159.1	21.6	918	3.35	14.0	0.8	1.9	2.9	56.1	0.74	0.81	0.12	70	1.10	0.111
09-GBC-295	Till	0.88	79.00	7.04	105.4	147	119.4	14.4	490	3.69	10.6	0.8	2.4	3.7	53.3	0.16	0.68	0.14	82	0.69	0.108
09-GBC-296	Till	1.13	56.20	7.11	90.9	64	103.9	16.8	704	2.92	9.7	0.6	2.7	2.8	70.6	0.69	0.58	0.11	63	1.95	0.099
09-GBC-297	Till	0.97	46.18	6.30	84.5	63	118.1	14.3	532	2.70	8.4	0.5	1.5	2.1	58.9	0.61	0.54	0.09	57	1.48	0.081
09-GBC-298	Till	1.21	53.05	7.24	96.1	111	161.6	21.5	775	2.96	9.8	0.6	2.5	2.3	86.4	0.84	0.63	0.11	62	2.75	0.089
09-GBC-299	Till	0.76	48.10	7.37	81.6	43	123.3	14.0	652	3.14	8.3	0.5	2.3	2.8	38.9	0.34	0.50	0.13	66	0.59	0.079
09-GBC-300	Till	0.65	40.10	5.25	71.5	39	140.4	13.2	454	2.84	6.9	0.5	2.8	2.1	32.0	0.21	0.39	0.08	59	0.53	0.068
09-GBC-301 DUP of 09-GBC-316	Pulp DUP	0.62	27.27	5.08	55.3	92	97.8	9.9	604	2.12	4.0	0.5	1.7	1.8	22.7	0.15	0.25	0.08	48	0.30	0.060
09-GBC-302	Rock Pulp	14.74	270.59	38.65	56.0	187	14.2	6.3	266	3.30	108.5	2.8	3.6	12.9	9.9	0.18	0.47	49.74	39	0.11	0.077
09-GBC-303	Till	0.86	58.09	7.33	90.4	89	152.9	14.4	600	3.44	10.3	0.7	2.9	2.7	39.3	0.18	0.55	0.13	70	0.53	0.074
09-GBC-304	Till	1.51	60.29	7.60	119.4	56	172.6	21.8	803	3.34	14.3	0.7	2.0	2.7	85.9	1.13	0.69	0.12	67	2.46	0.095
09-GBC-305	Till	1.53	60.84	8.25	116.3	72	155.6	21.9	743	3.29	12.9	0.7	2.2	2.7	87.4	1.13	0.68	0.13	64	2.29	0.093
09-GBC-306	Till	1.23	56.08	8.17	98.9	55	154.0	19.7	812	3.37	10.4	0.6	1.1	2.7	39.4	0.61	0.55	0.12	67	0.57	0.089
09-GBC-307	Till	1.34	54.39	7.70	116.6	107	162.5	22.0	719	3.15	10.1	0.7	1.3	2.7	79.8	1.23	0.70	0.13	64	2.64	0.079
09-GBC-308	Till	0.84	45.39	6.97	80.7	48	112.7	16.1	586	2.86	8.6	0.6	1.1	2.5	60.7	0.49	0.46	0.11	56	1.84	0.083
09-GBC-309	Till	2.09	71.22	10.31	132.3	170	241.3	18.7	573	3.60	36.8	1.1	3.0	3.0	43.1	0.54	0.89	0.15	71	0.54	0.095
09-GBC-310	Till	1.86	62.57	9.08	103.6	116	121.1	17.7	760	3.25	10.1	0.6	2.2	2.6	75.2	0.56	0.52	0.11	69	1.75	0.087
09-GBC-311	Till	0.42	29.38	4.74	50.2	70	60.9	7.7	299	2.09	4.0	0.5	1.4	1.9	31.2	0.09	0.25	0.07	47	0.40	0.062

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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Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002941A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
09-GBC-282	Rock Pulp	24.7	24.3	0.50	63.6	0.105	<20	1.91	0.029	0.29	>100	4.3	0.40	0.06	<5	0.3	0.18	5.3	7.75	<0.1	0.11
09-GBC-283	Till	11.1	94.2	1.50	301.0	0.074	<20	1.68	0.020	0.11	<0.1	7.1	0.26	<0.02	132	0.1	0.04	5.2	1.07	<0.1	0.13
09-GBC-284	Till	9.7	104.8	1.63	249.1	0.079	<20	1.35	0.020	0.09	<0.1	5.9	0.21	<0.02	133	<0.1	0.03	4.5	0.87	<0.1	0.16
09-GBC-285	Till	9.9	129.7	1.63	271.7	0.086	<20	1.33	0.018	0.09	<0.1	6.7	0.23	<0.02	138	<0.1	0.03	4.5	0.92	<0.1	0.16
09-GBC-286	Till	10.1	106.1	1.41	224.4	0.077	<20	1.48	0.017	0.08	<0.1	6.1	0.19	<0.02	127	<0.1	0.04	4.2	0.84	<0.1	0.12
09-GBC-287	Till	10.0	96.5	1.44	177.4	0.081	<20	1.03	0.018	0.06	<0.1	4.6	0.14	<0.02	155	<0.1	0.03	2.9	0.54	<0.1	0.16
09-GBC-288	Till	13.9	152.7	1.97	349.2	0.082	<20	1.68	0.015	0.11	<0.1	9.0	0.42	<0.02	223	0.3	0.07	5.0	1.00	0.1	0.17
09-GBC-289	Till	12.7	125.6	1.72	348.0	0.093	<20	1.76	0.023	0.13	<0.1	8.0	0.23	<0.02	129	<0.1	0.03	5.4	0.90	<0.1	0.14
09-GBC-290	Till	13.6	219.0	2.50	310.5	0.088	<20	1.80	0.016	0.11	<0.1	10.0	0.23	<0.02	189	0.3	0.03	5.2	0.69	<0.1	0.16
09-GBC-291	Till	12.8	126.9	1.82	277.4	0.092	<20	1.50	0.018	0.09	<0.1	7.7	0.21	<0.02	214	0.2	0.03	4.5	0.75	<0.1	0.12
09-GBC-292	Till	15.4	88.1	1.13	307.9	0.098	<20	1.73	0.020	0.11	<0.1	8.7	0.24	<0.02	233	0.2	0.05	5.6	1.01	<0.1	0.14
09-GBC-293	Till	13.6	90.7	1.30	272.6	0.089	<20	1.35	0.022	0.09	<0.1	7.0	0.24	<0.02	191	0.2	0.03	4.4	0.81	<0.1	0.14
09-GBC-294	Till	14.4	93.1	1.41	259.5	0.091	<20	1.41	0.022	0.09	<0.1	7.5	0.30	<0.02	209	0.4	0.05	4.5	0.81	<0.1	0.13
09-GBC-295	Till	17.7	99.8	1.08	320.1	0.098	<20	1.90	0.016	0.10	<0.1	10.0	0.18	<0.02	213	0.2	0.04	5.9	0.94	<0.1	0.20
09-GBC-296	Till	13.0	76.6	1.20	207.4	0.092	<20	1.32	0.018	0.10	<0.1	6.6	0.20	<0.02	162	<0.1	0.04	4.1	0.87	<0.1	0.20
09-GBC-297	Till	11.8	85.9	1.12	227.4	0.089	<20	1.29	0.017	0.09	<0.1	6.3	0.21	<0.02	298	0.4	0.02	4.1	0.68	<0.1	0.09
09-GBC-298	Till	11.4	107.7	1.45	235.9	0.091	<20	1.37	0.019	0.11	<0.1	6.9	0.27	<0.02	238	0.3	0.04	4.3	0.74	<0.1	0.10
09-GBC-299	Till	13.4	84.3	0.98	267.1	0.097	<20	1.56	0.019	0.10	<0.1	7.7	0.18	<0.02	151	<0.1	0.03	4.7	0.84	<0.1	0.16
09-GBC-300	Till	12.5	88.7	0.97	231.0	0.089	<20	1.48	0.015	0.08	<0.1	5.9	0.15	<0.02	147	0.2	0.03	4.2	0.58	<0.1	0.08
09-GBC-301 DUP of 09-GBC-316	Pulp DUP	11.5	76.9	0.78	179.5	0.090	<20	1.32	0.010	0.06	<0.1	4.6	0.12	<0.02	70	<0.1	<0.02	3.9	0.68	<0.1	0.04
09-GBC-302	Rock Pulp	28.9	22.8	0.53	66.9	0.107	<20	1.90	0.025	0.30	>100	4.5	0.40	0.06	27	0.5	0.18	5.9	8.05	<0.1	0.10
09-GBC-303	Till	15.7	98.2	1.02	265.6	0.082	<20	1.69	0.014	0.10	<0.1	7.6	0.17	<0.02	228	0.3	0.04	5.1	0.74	<0.1	0.12
09-GBC-304	Till	12.8	92.5	1.72	254.3	0.091	<20	1.48	0.021	0.13	<0.1	7.8	0.29	<0.02	381	0.3	0.04	4.8	1.02	<0.1	0.16
09-GBC-305	Till	12.8	89.2	1.72	235.9	0.092	<20	1.44	0.020	0.13	<0.1	8.2	0.28	<0.02	705	0.3	0.04	4.5	1.00	<0.1	0.17
09-GBC-306	Till	13.9	91.4	1.27	237.0	0.078	<20	1.51	0.017	0.10	<0.1	6.5	0.26	<0.02	165	0.1	0.03	4.6	0.82	<0.1	0.17
09-GBC-307	Till	12.1	101.1	1.56	233.3	0.083	<20	1.50	0.014	0.11	<0.1	7.8	0.38	<0.02	145	0.3	0.04	4.4	0.92	<0.1	0.17
09-GBC-308	Till	11.9	78.2	1.19	225.5	0.083	<20	1.28	0.018	0.10	<0.1	6.1	0.19	<0.02	103	<0.1	0.03	4.0	0.91	<0.1	0.15
09-GBC-309	Till	15.4	137.8	1.48	236.8	0.076	<20	1.69	0.009	0.14	<0.1	8.9	0.41	<0.02	178	0.5	0.05	5.0	0.92	<0.1	0.13
09-GBC-310	Till	12.8	86.4	1.35	274.0	0.085	<20	1.67	0.019	0.12	<0.1	7.7	0.20	<0.02	110	0.2	0.02	5.0	0.99	<0.1	0.13
09-GBC-311	Till	11.0	68.1	0.78	157.3	0.094	<20	1.24	0.012	0.07	<0.1	4.7	0.12	<0.02	67	<0.1	<0.02	3.7	0.67	<0.1	0.09

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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002941A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%	%	%	%	%	%
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01
09-GBC-282	Rock Pulp	1.68	33.7	4.8	<0.05	4.3	7.71	51.1	0.31	<1	1.0	19.4	<10	<2	64.57	14.15	5.72	1.23	1.23	2.49	3.19
09-GBC-283	Till	0.09	7.2	1.3	<0.05	6.4	10.21	22.6	0.02	2	0.5	14.2	<10	<2	59.50	12.22	6.17	3.40	5.06	2.01	1.58
09-GBC-284	Till	0.06	5.7	0.7	<0.05	6.4	9.18	20.3	<0.02	<1	0.4	10.6	<10	3	62.01	11.08	5.78	3.76	5.11	2.15	1.39
09-GBC-285	Till	0.07	6.1	0.6	<0.05	6.1	8.91	20.2	0.02	<1	0.4	10.1	<10	2	61.03	10.91	5.83	3.76	5.71	2.13	1.32
09-GBC-286	Till	0.08	5.9	0.6	<0.05	5.3	9.14	21.5	0.03	<1	0.3	12.9	<10	3	65.53	11.80	5.96	3.39	2.53	2.24	1.47
09-GBC-287	Till	0.05	3.5	0.3	<0.05	6.0	7.98	22.3	<0.02	<1	0.3	7.2	<10	<2	69.54	10.57	5.09	3.45	2.28	2.50	1.27
09-GBC-288	Till	0.06	7.4	0.9	<0.05	7.6	13.74	25.7	0.08	<1	0.7	13.0	<10	<2	62.00	12.41	7.41	4.44	1.88	1.95	1.58
09-GBC-289	Till	0.12	7.8	1.5	<0.05	6.2	12.03	24.1	0.03	3	0.6	11.9	<10	2	64.91	12.07	6.17	3.94	2.02	2.11	1.45
09-GBC-290	Till	0.06	7.5	0.5	<0.05	7.0	13.38	22.8	0.03	1	0.4	11.5	<10	2	62.45	11.28	6.80	5.37	1.84	1.89	1.31
09-GBC-291	Till	0.06	6.1	1.6	<0.05	6.2	11.50	25.1	0.03	1	0.5	13.0	<10	3	65.53	11.86	5.86	4.10	2.11	2.31	1.37
09-GBC-292	Till	0.06	7.5	1.4	<0.05	8.0	13.10	28.9	0.04	1	0.6	13.5	<10	3	64.64	12.91	6.19	2.82	2.32	2.35	1.72
09-GBC-293	Till	0.09	6.1	1.6	<0.05	6.3	11.58	26.4	<0.02	<1	0.6	11.6	<10	<2	61.50	11.12	5.21	3.12	6.17	2.21	1.40
09-GBC-294	Till	0.07	6.0	1.5	<0.05	6.1	12.36	29.0	0.03	<1	0.6	11.1	<10	<2	65.02	11.76	5.95	3.30	3.05	2.37	1.58
09-GBC-295	Till	0.08	7.3	0.3	<0.05	9.0	16.54	30.4	0.03	<1	0.6	14.2	<10	4	63.50	13.20	6.50	2.68	2.12	2.27	1.69
09-GBC-296	Till	0.06	7.2	0.3	<0.05	8.3	10.31	26.5	0.02	1	0.4	11.3	<10	<2	64.62	11.65	5.40	2.94	4.15	2.35	1.56
09-GBC-297	Till	0.15	6.4	0.4	<0.05	4.7	9.31	22.2	<0.02	1	0.4	10.2	<10	2	67.01	11.20	4.95	2.75	3.44	2.30	1.39
09-GBC-298	Till	0.14	7.0	0.6	<0.05	5.6	10.01	22.8	<0.02	2	0.4	10.6	<10	<2	61.56	11.15	5.50	3.45	5.30	2.12	1.48
09-GBC-299	Till	0.12	6.6	0.7	<0.05	7.3	11.66	26.1	0.03	<1	0.4	10.5	<10	<2	67.10	12.26	5.60	2.48	2.10	2.41	1.57
09-GBC-300	Till	0.20	6.3	0.4	<0.05	3.5	10.14	23.0	0.02	<1	0.3	10.2	<10	<2	67.82	11.99	5.29	2.56	2.04	2.39	1.47
09-GBC-301 DUP of 09-GBC-316	Pulp DUP	0.33	8.7	0.3	<0.05	2.0	7.51	22.9	<0.02	<1	0.3	11.7	<10	<2	71.18	11.30	4.11	2.18	1.63	2.43	1.31
09-GBC-302	Rock Pulp	1.77	39.3	5.1	<0.05	4.6	8.82	54.1	0.33	<1	0.8	22.3	<10	<2	64.59	14.37	5.72	1.26	1.24	2.48	3.16
09-GBC-303	Till	0.09	6.7	0.5	<0.05	6.7	13.99	25.3	0.03	<1	0.6	12.5	<10	<2	65.39	12.71	6.19	2.61	1.99	2.27	1.57
09-GBC-304	Till	0.05	8.0	0.4	<0.05	7.0	11.54	26.3	0.04	<1	0.4	12.5	<10	2	60.92	11.86	6.12	3.90	4.68	2.14	1.62
09-GBC-305	Till	0.05	7.6	1.0	<0.05	7.0	11.19	25.1	0.03	1	0.3	12.9	<10	<2	61.22	11.78	6.01	3.87	4.55	2.13	1.58
09-GBC-306	Till	0.04	6.5	0.9	<0.05	7.0	11.88	26.2	0.02	<1	0.5	11.5	<10	<2	65.03	12.52	6.22	3.17	2.05	2.21	1.61
09-GBC-307	Till	0.06	7.5	0.5	<0.05	8.2	10.93	25.3	0.02	<1	0.4	10.8	<10	<2	59.51	12.00	6.05	3.73	5.20	1.99	1.60
09-GBC-308	Till	0.06	7.1	0.6	<0.05	7.6	9.50	24.4	0.02	<1	0.4	9.6	<10	<2	64.87	11.59	5.42	3.03	3.96	2.31	1.41
09-GBC-309	Till	0.19	7.9	2.3	<0.05	7.1	16.28	25.7	0.04	2	0.5	11.9	<10	2	61.70	13.09	6.63	3.68	1.81	1.95	1.77
09-GBC-310	Till	0.11	8.2	2.2	<0.05	6.5	11.28	25.4	0.02	<1	0.3	14.0	<10	<2	61.84	12.48	5.92	3.21	3.74	2.18	1.55
09-GBC-311	Till	0.18	6.9	0.4	<0.05	4.0	7.30	21.5	<0.02	<1	0.2	9.4	<10	<2	71.38	11.62	4.04	2.14	1.86	2.54	1.47

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002941A.2

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
	Analyte	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
	Unit	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	MDL	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3	5	1	-5.1	0.01	0.02	0.02
09-GBC-282	Rock Pulp	0.79	0.21	0.06	0.008	263	384	69	23	<20	117	401	88	32	15	11	6.1	99.94	1.00	0.03
09-GBC-283	Till	0.71	0.21	0.13	0.030	73	1053	114	154	27	276	122	40	22	<5	16	8.7	99.93	1.51	<0.02
09-GBC-284	Till	0.74	0.21	0.11	0.043	59	953	101	187	25	260	123	37	20	6	15	7.4	99.92	0.99	<0.02
09-GBC-285	Till	0.73	0.20	0.10	0.046	64	960	101	186	26	259	133	47	21	9	15	7.9	99.92	1.15	<0.02
09-GBC-286	Till	0.77	0.20	0.11	0.042	62	982	109	192	26	234	133	38	22	11	15	5.7	99.93	0.47	<0.02
09-GBC-287	Till	0.78	0.22	0.10	0.054	43	901	84	190	23	250	133	42	21	<5	14	3.9	99.93	0.16	<0.02
09-GBC-288	Till	0.78	0.20	0.12	0.051	73	1145	159	308	30	206	133	48	24	11	17	6.9	99.90	0.40	<0.02
09-GBC-289	Till	0.74	0.20	0.11	0.053	61	1071	105	258	22	217	131	<30	21	8	16	5.9	99.92	0.40	<0.02
09-GBC-290	Till	0.74	0.17	0.09	0.085	66	983	117	517	37	174	122	38	22	7	17	7.6	99.89	0.50	<0.02
09-GBC-291	Till	0.78	0.20	0.14	0.049	59	977	100	245	21	235	131	38	21	6	15	5.4	99.91	0.27	<0.02
09-GBC-292	Till	0.77	0.23	0.12	0.032	68	1082	108	156	20	287	131	48	23	9	17	5.6	99.94	0.25	<0.02
09-GBC-293	Till	0.71	0.20	0.11	0.036	50	944	90	142	<20	291	131	37	20	6	14	7.9	99.93	1.19	<0.02
09-GBC-294	Till	0.75	0.26	0.14	0.037	61	988	102	175	23	289	129	33	21	9	15	5.5	99.93	0.44	<0.02
09-GBC-295	Till	0.78	0.23	0.08	0.033	76	1096	113	142	<20	281	133	42	24	8	17	6.6	99.94	0.36	<0.02
09-GBC-296	Till	0.76	0.23	0.11	0.028	51	952	96	119	<20	298	135	35	20	<5	14	6.0	99.93	0.70	<0.02
09-GBC-297	Till	0.73	0.18	0.08	0.040	45	909	94	139	<20	266	137	31	19	9	13	5.7	99.95	0.71	<0.02
09-GBC-298	Till	0.72	0.21	0.12	0.042	56	963	107	189	28	283	141	40	20	9	14	8.1	99.93	1.29	<0.02
09-GBC-299	Till	0.76	0.19	0.10	0.038	49	990	91	139	<20	261	142	44	22	7	15	5.1	99.94	0.34	<0.02
09-GBC-300	Till	0.79	0.18	0.08	0.044	42	1001	87	160	<20	248	138	45	21	12	14	5.1	99.94	0.43	<0.02
09-GBC-301 DUP of 09-GBC-316	Pulp DUP	0.80	0.14	0.09	0.043	28	856	68	117	<20	230	139	37	18	7	12	4.6	99.96	0.60	<0.02
09-GBC-302	Rock Pulp	0.80	0.20	0.06	0.007	247	366	67	24	<20	117	365	80	31	11	11	5.9	99.95	1.00	0.05
09-GBC-303	Till	0.78	0.20	0.10	0.039	61	1029	109	173	<20	250	147	44	24	7	16	5.9	99.93	0.41	<0.02
09-GBC-304	Till	0.73	0.22	0.11	0.033	54	989	123	191	24	283	131	36	20	<5	15	7.4	99.91	0.94	<0.02
09-GBC-305	Till	0.72	0.21	0.11	0.037	59	981	125	179	24	282	123	43	20	8	15	7.5	99.92	0.93	<0.02
09-GBC-306	Till	0.77	0.21	0.12	0.039	60	1016	117	171	27	246	143	46	22	6	15	5.8	99.93	0.24	<0.02
09-GBC-307	Till	0.73	0.22	0.11	0.036	57	1006	138	190	28	271	133	41	20	7	15	8.5	99.92	1.10	<0.02
09-GBC-308	Till	0.76	0.20	0.11	0.036	47	897	90	135	22	276	142	<30	20	5	14	6.1	99.94	0.65	<0.02
09-GBC-309	Till	0.77	0.20	0.09	0.049	74	1099	142	274	25	207	141	42	26	<5	17	8.0	99.91	0.84	<0.02
09-GBC-310	Till	0.75	0.20	0.11	0.031	63	1014	111	141	24	277	131	35	20	<5	16	7.7	99.93	0.97	<0.02
09-GBC-311	Till	0.80	0.15	0.06	0.037	32	945	61	84	<20	259	141	<30	18	6	12	3.7	99.96	0.31	<0.02

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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002941A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
09-GBC-312	Till	0.76	55.73	8.58	86.4	82	98.7	14.7	647	3.24	8.6	0.5	2.0	2.7	44.1	0.22	0.40	0.13	68	0.62	0.081
09-GBC-313	Till	0.77	29.86	5.73	51.9	19	72.7	11.4	436	2.43	5.8	0.5	1.5	2.4	27.5	0.16	0.37	0.08	52	0.34	0.074
09-GBC-314	Till	0.68	40.50	6.92	62.1	51	93.8	13.2	614	2.75	7.6	0.6	0.6	2.3	33.1	0.31	0.43	0.11	58	0.43	0.075
09-GBC-315	Till	1.24	54.73	8.86	89.3	81	103.2	16.6	802	3.17	10.9	0.6	2.1	2.7	48.1	0.40	0.42	0.13	66	0.80	0.087
09-GBC-316	Till	0.58	26.24	5.09	54.1	93	91.9	9.5	567	2.10	4.0	0.5	8.0	1.7	21.9	0.15	0.22	0.07	47	0.29	0.049
09-GBC-317	Till	0.79	52.16	6.87	77.7	80	153.4	16.5	619	3.09	7.8	0.6	1.8	2.4	35.6	0.20	0.42	0.10	64	0.51	0.072
09-GBC-318	Till	1.07	50.07	8.42	87.8	126	98.1	15.9	769	3.08	8.7	0.6	1.5	2.9	53.6	0.48	0.37	0.13	64	1.55	0.092
09-GBC-319	Till	0.56	45.94	7.97	69.8	100	81.1	10.8	453	2.91	6.8	0.7	0.7	3.0	36.1	0.11	0.32	0.11	60	0.40	0.063
09-GBC-320	Till	0.61	48.35	5.89	78.1	88	127.0	12.4	383	3.11	7.9	0.8	1.6	2.6	39.0	0.18	0.42	0.11	62	0.52	0.084
09-GBC-321 DUP of 09-GBC-329	Pulp DUP	0.57	27.61	5.48	50.6	36	50.0	7.6	363	2.33	5.3	0.5	3.1	2.4	24.4	0.11	0.36	0.08	51	0.27	0.046
09-GBC-322	Rock Pulp	13.22	238.83	35.17	52.3	170	12.6	5.3	243	3.22	101.0	2.6	4.9	11.4	9.0	0.16	0.47	46.54	39	0.11	0.065
09-GBC-323	Till	0.78	52.34	9.53	87.9	118	131.3	16.0	768	3.46	9.9	0.8	2.4	3.3	39.9	0.17	0.39	0.15	67	0.50	0.082
09-GBC-324	Till	1.07	42.58	6.02	57.8	88	97.0	10.9	404	3.03	7.3	0.7	3.1	2.6	34.4	0.18	0.42	0.12	62	0.48	0.081
09-GBC-325	Till	1.10	44.62	6.96	64.9	106	107.8	10.1	414	3.03	7.6	0.9	2.4	2.7	36.9	0.13	0.36	0.12	62	0.47	0.080
09-GBC-326	Till	0.75	54.09	8.74	81.0	74	116.9	17.0	792	3.24	8.3	0.6	<0.2	2.7	34.8	0.38	0.41	0.13	64	0.49	0.087
09-GBC-327	Till	0.73	50.06	9.51	78.4	33	138.8	18.7	747	3.33	9.3	0.5	2.0	3.4	42.5	0.25	0.44	0.14	65	0.53	0.092
09-GBC-328	Till	0.71	39.26	6.06	57.0	45	74.5	8.7	386	2.53	6.4	0.5	1.6	2.2	31.7	0.09	0.38	0.09	52	0.46	0.076
09-GBC-329	Till	0.62	29.03	5.62	50.4	34	49.5	8.3	364	2.37	5.5	0.5	1.9	2.3	24.1	0.14	0.37	0.08	50	0.26	0.046
09-GBC-330	Till	1.26	58.03	11.31	99.4	132	143.2	20.9	1096	3.27	11.9	0.5	0.8	2.7	60.5	0.73	0.47	0.13	66	1.49	0.096
09-GBC-331	Till	1.14	61.29	7.58	86.6	91	104.1	17.4	625	2.93	10.9	0.5	1.2	2.5	80.9	0.79	0.65	0.10	65	2.50	0.100
09-GBC-332	Till	0.93	50.57	7.01	104.2	64	133.4	18.1	654	3.06	11.0	0.6	1.6	2.2	85.1	0.89	0.65	0.11	65	2.73	0.091
09-GBC-333	Till	0.83	53.98	6.37	83.3	66	96.7	15.7	678	2.96	8.3	0.6	1.6	2.7	78.1	0.62	0.52	0.09	69	2.36	0.105
09-GBC-334	Till	1.33	62.47	7.76	116.2	158	118.8	16.6	575	3.20	9.8	0.6	2.3	3.0	71.8	0.57	0.72	0.13	73	1.42	0.103
09-GBC-335	Till	0.88	68.71	6.78	94.1	126	127.9	14.1	614	3.55	10.6	0.9	0.8	2.6	49.8	0.39	0.65	0.12	80	0.79	0.110
09-GBC-336	Till	1.33	63.10	7.86	104.1	113	112.8	19.0	783	3.38	17.4	0.6	2.0	2.9	87.5	0.95	0.67	0.13	79	2.82	0.097
09-GBC-337	Till	1.28	67.74	10.07	113.7	114	146.2	19.5	890	3.78	12.1	0.6	1.4	3.3	52.2	0.76	0.73	0.16	78	0.65	0.099
09-GBC-338	Till	0.95	57.43	6.86	99.5	69	140.2	13.8	680	3.42	9.9	0.5	0.7	2.5	42.2	0.42	0.60	0.09	74	0.57	0.079
09-GBC-339	Till	0.97	57.31	8.21	93.7	93	114.0	15.1	632	3.37	10.9	0.7	1.0	3.0	44.4	0.36	0.64	0.12	73	0.56	0.088
09-GBC-340	Till	0.96	62.00	7.84	104.0	89	92.3	19.9	742	3.54	12.3	0.5	1.8	3.2	74.2	0.79	0.72	0.12	77	1.99	0.090
09-GBC-341 DUP of 09-GBC-360	Pulp DUP	1.47	59.74	7.82	112.4	88	152.4	19.9	798	3.37	12.5	0.6	3.8	2.9	93.5	1.02	0.71	0.12	67	2.58	0.085

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	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
09-GBC-312	Till	13.3	77.4	0.99	357.0	0.082	<20	1.78	0.030	0.11	<0.1	7.5	0.17	<0.02	101	<0.1	0.04	5.6	1.13	<0.1	0.10
09-GBC-313	Till	12.6	73.1	0.74	154.7	0.091	<20	1.07	0.009	0.08	<0.1	4.6	0.14	<0.02	37	<0.1	<0.02	3.3	0.81	<0.1	0.06
09-GBC-314	Till	12.4	77.5	0.86	276.3	0.088	<20	1.23	0.019	0.07	<0.1	6.0	0.13	<0.02	79	0.2	0.03	4.1	0.68	<0.1	0.17
09-GBC-315	Till	13.1	77.5	1.10	316.2	0.076	<20	1.48	0.021	0.11	<0.1	6.9	0.17	<0.02	100	0.2	0.05	4.7	1.15	<0.1	0.19
09-GBC-316	Till	11.9	74.8	0.77	174.7	0.082	<20	1.31	0.010	0.05	<0.1	4.9	0.11	<0.02	78	<0.1	<0.02	4.2	0.64	<0.1	0.05
09-GBC-317	Till	14.1	93.4	1.04	306.5	0.091	<20	1.57	0.024	0.12	<0.1	7.0	0.18	<0.02	115	0.2	0.02	4.9	0.83	<0.1	0.21
09-GBC-318	Till	13.6	76.9	1.21	236.2	0.083	<20	1.49	0.018	0.14	<0.1	6.6	0.18	<0.02	71	<0.1	0.04	4.7	1.33	<0.1	0.13
09-GBC-319	Till	15.1	92.8	0.84	259.4	0.087	<20	1.64	0.012	0.10	<0.1	7.0	0.14	<0.02	69	0.1	<0.02	4.9	0.92	<0.1	0.15
09-GBC-320	Till	13.0	96.0	1.08	264.0	0.086	<20	1.61	0.016	0.10	<0.1	8.0	0.15	<0.02	98	0.1	0.03	4.9	0.83	<0.1	0.15
09-GBC-321 DUP of 09-GBC-329	Pulp DUP	12.3	55.9	0.61	169.5	0.093	<20	1.12	0.009	0.08	<0.1	4.2	0.12	<0.02	28	<0.1	<0.02	3.5	0.81	<0.1	0.08
09-GBC-322	Rock Pulp	28.6	22.4	0.52	65.1	0.101	<20	1.83	0.025	0.29	>100	4.2	0.38	0.06	28	0.5	0.19	5.8	7.69	<0.1	0.09
09-GBC-323	Till	18.3	82.5	1.00	276.4	0.077	<20	1.70	0.017	0.13	<0.1	7.4	0.14	<0.02	73	0.3	0.03	5.3	1.10	<0.1	0.20
09-GBC-324	Till	13.0	80.1	1.03	228.5	0.074	<20	1.48	0.016	0.08	<0.1	6.5	0.13	<0.02	85	<0.1	0.03	4.4	0.73	<0.1	0.12
09-GBC-325	Till	13.1	82.4	1.01	233.9	0.068	<20	1.55	0.014	0.09	<0.1	7.3	0.14	<0.02	88	<0.1	<0.02	4.3	0.74	<0.1	0.11
09-GBC-326	Till	13.0	83.3	1.01	287.8	0.081	<20	1.55	0.019	0.10	<0.1	7.5	0.17	<0.02	184	<0.1	0.04	4.7	0.87	<0.1	0.19
09-GBC-327	Till	14.7	78.3	1.21	264.2	0.083	<20	1.57	0.018	0.11	<0.1	6.9	0.16	<0.02	66	<0.1	0.03	4.8	1.10	<0.1	0.22
09-GBC-328	Till	12.4	74.8	0.82	271.1	0.081	<20	1.26	0.017	0.08	<0.1	6.5	0.12	<0.02	53	<0.1	<0.02	4.0	0.75	<0.1	0.13
09-GBC-329	Till	12.5	61.5	0.62	169.4	0.091	<20	1.12	0.008	0.07	<0.1	4.2	0.12	<0.02	29	<0.1	<0.02	3.7	0.84	<0.1	0.08
09-GBC-330	Till	13.2	78.9	1.30	278.3	0.078	<20	1.51	0.019	0.13	<0.1	7.3	0.22	<0.02	166	<0.1	0.05	4.9	0.90	<0.1	0.16
09-GBC-331	Till	12.7	82.8	1.11	234.5	0.097	<20	1.32	0.018	0.09	<0.1	6.6	0.21	<0.02	205	<0.1	0.03	4.2	0.76	<0.1	0.21
09-GBC-332	Till	11.8	75.0	1.45	216.1	0.089	<20	1.33	0.019	0.10	<0.1	7.4	0.23	<0.02	287	0.1	0.04	4.1	0.75	<0.1	0.17
09-GBC-333	Till	12.6	78.2	1.32	192.2	0.102	<20	1.36	0.018	0.09	<0.1	7.2	0.17	<0.02	130	0.2	0.02	4.7	1.05	<0.1	0.18
09-GBC-334	Till	12.9	102.8	1.53	243.8	0.091	<20	1.58	0.016	0.10	<0.1	7.9	0.40	<0.02	211	<0.1	0.03	5.0	0.97	<0.1	0.14
09-GBC-335	Till	14.0	98.2	1.18	260.1	0.100	<20	1.74	0.026	0.11	<0.1	10.0	0.26	<0.02	341	0.2	0.03	5.6	0.82	<0.1	0.14
09-GBC-336	Till	13.1	84.4	1.44	279.3	0.097	<20	1.64	0.019	0.13	<0.1	7.6	0.27	<0.02	201	<0.1	0.03	5.1	1.07	<0.1	0.18
09-GBC-337	Till	15.4	93.1	1.39	278.6	0.098	<20	1.74	0.016	0.12	<0.1	9.0	0.27	<0.02	222	0.2	0.04	5.5	1.12	<0.1	0.21
09-GBC-338	Till	14.0	96.9	0.92	320.7	0.101	<20	1.63	0.019	0.10	<0.1	8.9	0.20	<0.02	342	0.2	0.03	4.8	0.63	<0.1	0.13
09-GBC-339	Till	15.9	90.7	0.92	248.4	0.096	<20	1.59	0.015	0.10	<0.1	8.5	0.24	<0.02	226	0.3	0.04	5.0	0.93	<0.1	0.12
09-GBC-340	Till	14.7	75.8	1.25	228.8	0.099	<20	1.67	0.017	0.12	<0.1	7.8	0.22	<0.02	191	0.1	0.03	5.5	1.25	<0.1	0.15
09-GBC-341 DUP of 09-GBC-360	Pulp DUP	12.6	84.1	1.51	272.2	0.090	<20	1.46	0.020	0.12	<0.1	7.1	0.30	<0.02	221	<0.1	0.04	4.4	0.92	<0.1	0.21

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002941A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%	%	%	%	%	%
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01
09-GBC-312	Till	0.08	8.1	1.3	<0.05	5.9	11.12	25.0	0.04	<1	0.4	14.0	<10	2	65.68	12.99	5.81	2.47	2.05	2.18	1.54
09-GBC-313	Till	0.18	7.8	0.3	<0.05	3.5	6.88	30.0	<0.02	<1	0.3	9.1	<10	<2	71.59	11.35	4.58	2.04	1.82	2.52	1.47
09-GBC-314	Till	0.06	5.7	0.3	<0.05	7.5	11.10	24.8	0.02	<1	0.6	8.7	<10	2	69.51	11.56	5.31	2.33	2.22	2.44	1.38
09-GBC-315	Till	0.04	8.4	0.8	<0.05	8.7	10.20	26.6	0.03	<1	0.4	10.7	<10	<2	66.30	12.23	5.82	2.75	2.49	2.15	1.48
09-GBC-316	Till	0.33	7.9	0.6	<0.05	2.1	7.60	23.1	<0.02	<1	0.3	10.2	<10	<2	71.38	11.21	4.03	2.16	1.62	2.44	1.31
09-GBC-317	Till	0.05	7.3	0.7	<0.05	8.3	13.78	24.1	0.03	<1	0.6	8.9	<10	2	67.48	11.93	5.72	2.66	2.00	2.26	1.48
09-GBC-318	Till	0.04	10.9	1.0	<0.05	7.0	10.76	28.7	0.03	<1	0.6	11.3	<10	<2	63.45	12.62	5.82	3.11	3.72	2.22	1.59
09-GBC-319	Till	0.09	7.9	1.1	<0.05	7.6	10.89	27.0	0.02	<1	0.6	10.4	<10	<2	67.26	12.92	5.41	2.23	1.82	2.28	1.59
09-GBC-320	Till	0.14	6.9	0.3	<0.05	6.8	12.19	24.0	0.04	<1	0.5	11.3	<10	<2	66.41	12.36	5.64	2.70	2.05	2.28	1.48
09-GBC-321 DUP of 09-GBC-329	Pulp DUP	0.17	7.9	0.3	<0.05	3.8	5.81	28.8	<0.02	1	0.5	8.9	<10	<2	71.89	11.78	4.45	1.76	1.58	2.53	1.53
09-GBC-322	Rock Pulp	1.81	37.1	5.6	<0.05	4.2	8.35	51.6	0.32	2	1.0	19.8	<10	<2	64.46	14.53	5.72	1.26	1.25	2.47	3.18
09-GBC-323	Till	0.07	7.8	0.8	<0.05	8.7	14.60	29.7	0.03	<1	0.4	11.6	<10	<2	64.73	13.16	6.30	2.61	1.92	2.12	1.62
09-GBC-324	Till	0.12	5.6	0.7	<0.05	6.2	11.73	22.2	0.06	<1	0.4	10.0	<10	3	67.56	12.29	5.58	2.59	2.07	2.38	1.49
09-GBC-325	Till	0.16	6.0	1.8	<0.05	5.4	12.64	23.1	0.03	<1	0.5	9.8	<10	<2	67.09	12.39	5.58	2.55	2.00	2.29	1.49
09-GBC-326	Till	0.04	7.4	1.5	<0.05	8.0	11.43	27.2	0.03	<1	0.4	11.3	<10	<2	67.26	12.29	5.85	2.58	1.94	2.27	1.56
09-GBC-327	Till	0.04	7.8	0.9	<0.05	8.9	11.92	29.4	0.03	<1	0.6	10.5	<10	<2	65.54	12.67	6.14	2.94	2.19	2.17	1.62
09-GBC-328	Till	0.10	5.9	1.2	<0.05	7.0	10.90	22.0	0.02	<1	0.2	9.4	<10	<2	70.26	11.58	4.85	2.14	2.15	2.37	1.42
09-GBC-329	Till	0.20	8.3	0.3	<0.05	3.8	5.83	29.5	0.02	<1	0.4	9.0	<10	<2	71.59	11.85	4.50	1.77	1.61	2.52	1.57
09-GBC-330	Till	0.04	7.5	3.3	<0.05	8.0	10.44	27.5	0.02	<1	0.4	12.7	<10	2	63.51	12.44	6.01	3.10	3.40	2.22	1.64
09-GBC-331	Till	0.06	6.2	1.3	<0.05	8.9	10.73	25.2	0.03	<1	0.2	10.8	<10	3	63.71	11.41	5.48	2.76	4.94	2.37	1.51
09-GBC-332	Till	0.04	5.6	0.7	<0.05	7.4	10.21	24.2	0.03	<1	0.2	10.1	<10	3	61.77	11.33	5.73	3.34	5.25	2.24	1.49
09-GBC-333	Till	0.04	6.9	0.3	<0.05	7.3	10.59	25.3	0.02	<1	0.6	12.2	<10	<2	63.52	11.72	5.44	3.13	4.63	2.40	1.67
09-GBC-334	Till	0.06	7.2	0.4	<0.05	7.7	10.84	26.5	0.03	<1	0.6	14.8	<10	5	63.64	12.30	5.75	3.42	3.14	2.20	1.61
09-GBC-335	Till	0.14	7.3	0.5	<0.05	6.3	13.79	24.6	0.03	<1	0.4	11.2	<10	2	64.99	12.33	6.25	2.78	2.47	2.33	1.68
09-GBC-336	Till	0.07	8.7	0.4	<0.05	8.8	11.20	24.5	0.02	1	0.5	13.0	<10	<2	60.04	12.20	6.12	3.32	5.27	2.12	1.73
09-GBC-337	Till	0.07	8.1	1.0	<0.05	9.1	13.56	29.3	0.03	1	0.4	14.0	<10	<2	63.70	12.93	6.58	3.22	2.14	2.17	1.78
09-GBC-338	Till	0.10	5.4	0.8	<0.05	6.6	13.49	24.8	0.03	<1	0.4	9.6	<10	3	66.94	11.93	5.97	2.33	1.98	2.33	1.52
09-GBC-339	Till	0.12	7.5	0.8	<0.05	6.0	14.14	27.7	0.04	<1	0.5	11.8	<10	25	65.68	12.71	6.13	2.40	2.10	2.32	1.68
09-GBC-340	Till	0.05	8.0	0.6	<0.05	7.0	11.88	27.7	0.04	2	0.5	13.6	<10	2	61.36	12.62	6.37	3.02	4.26	2.15	1.80
09-GBC-341 DUP of 09-GBC-360	Pulp DUP	0.05	7.9	0.4	<0.05	9.0	11.31	25.7	0.03	<1	0.5	11.5	<10	<2	60.88	11.89	6.15	3.50	4.93	2.14	1.66

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002941A.2

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
	Analyte	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
	Unit	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	MDL	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3	5	1	-5.1	0.01	0.02	0.02
09-GBC-312	Till	0.74	0.18	0.11	0.026	55	1113	96	116	21	254	132	35	22	7	15	6.0	99.95	0.32	<0.02
09-GBC-313	Till	0.81	0.17	0.08	0.032	31	863	64	96	<20	261	142	43	17	6	12	3.3	99.96	0.23	<0.02
09-GBC-314	Till	0.70	0.17	0.11	0.040	41	969	73	110	20	272	153	36	19	<5	14	4.0	99.95	0.17	<0.02
09-GBC-315	Till	0.73	0.21	0.12	0.029	66	1114	96	121	21	263	131	44	20	6	15	5.4	99.94	0.29	<0.02
09-GBC-316	Till	0.79	0.12	0.09	0.042	31	854	66	118	<20	227	136	34	18	<5	12	4.6	99.95	0.61	<0.02
09-GBC-317	Till	0.70	0.17	0.11	0.044	55	1035	96	183	26	240	131	33	22	<5	15	5.2	99.95	0.26	<0.02
09-GBC-318	Till	0.75	0.21	0.12	0.026	54	962	95	127	24	294	134	35	20	6	14	6.1	99.93	0.52	<0.02
09-GBC-319	Till	0.79	0.14	0.08	0.034	49	990	81	106	<20	258	150	49	22	<5	15	5.2	99.95	0.38	<0.02
09-GBC-320	Till	0.76	0.19	0.07	0.043	53	967	86	150	<20	249	149	42	21	<5	16	5.8	99.95	0.41	<0.02
09-GBC-321 DUP of 09-GBC-329	Pulp DUP	0.85	0.10	0.07	0.025	28	889	59	68	<20	255	154	54	17	5	11	3.2	99.97	0.22	<0.02
09-GBC-322	Rock Pulp	0.80	0.20	0.06	0.008	249	368	66	25	<20	118	377	81	31	7	11	5.8	99.95	1.00	0.05
09-GBC-323	Till	0.76	0.18	0.12	0.029	55	972	96	156	22	254	143	44	24	8	16	6.2	99.94	0.36	<0.02
09-GBC-324	Till	0.75	0.20	0.08	0.033	44	899	75	123	<20	261	151	<30	23	9	15	4.8	99.94	0.26	<0.02
09-GBC-325	Till	0.75	0.19	0.07	0.035	49	918	76	127	<20	257	146	35	24	7	15	5.3	99.94	0.35	<0.02
09-GBC-326	Till	0.72	0.20	0.13	0.033	50	1019	90	135	21	242	144	39	21	<5	15	4.9	99.94	0.16	<0.02
09-GBC-327	Till	0.76	0.20	0.12	0.028	54	976	86	157	21	259	150	44	24	12	15	5.3	99.94	0.18	<0.02
09-GBC-328	Till	0.71	0.18	0.07	0.034	40	949	66	97	<20	259	146	39	21	<5	13	4.0	99.97	0.21	<0.02
09-GBC-329	Till	0.85	0.11	0.07	0.025	26	886	60	72	<20	256	159	34	17	9	11	3.3	99.96	0.21	<0.02
09-GBC-330	Till	0.76	0.21	0.16	0.034	60	988	107	169	30	264	144	30	21	7	15	6.2	99.94	0.50	<0.02
09-GBC-331	Till	0.75	0.22	0.10	0.034	54	933	94	116	21	310	134	<30	19	5	14	6.5	99.93	0.80	<0.02
09-GBC-332	Till	0.75	0.22	0.11	0.036	54	915	109	155	20	302	131	<30	20	8	15	7.5	99.93	0.95	<0.02
09-GBC-333	Till	0.75	0.22	0.11	0.033	51	902	88	111	<20	315	138	38	20	9	15	6.1	99.94	0.70	<0.02
09-GBC-334	Till	0.77	0.23	0.09	0.030	63	988	122	137	<20	273	120	37	20	7	15	6.5	99.93	0.67	<0.02
09-GBC-335	Till	0.73	0.23	0.09	0.036	62	1036	98	139	<20	285	142	30	23	9	17	5.8	99.94	0.40	<0.02
09-GBC-336	Till	0.73	0.24	0.12	0.029	63	1048	115	129	21	300	126	40	20	7	16	7.8	99.92	1.01	<0.02
09-GBC-337	Till	0.78	0.24	0.13	0.032	63	1057	118	168	24	257	146	51	23	6	17	6.0	99.92	0.32	<0.02
09-GBC-338	Till	0.72	0.21	0.10	0.040	59	1035	103	152	21	248	131	<30	22	13	16	5.7	99.94	0.33	<0.02
09-GBC-339	Till	0.79	0.21	0.10	0.037	61	980	104	129	20	267	160	37	25	7	16	5.6	99.94	0.31	<0.02
09-GBC-340	Till	0.77	0.22	0.12	0.028	57	940	112	116	22	288	151	47	21	9	17	7.0	99.93	0.67	<0.02
09-GBC-341 DUP of 09-GBC-360	Pulp DUP	0.73	0.20	0.12	0.036	66	1038	119	172	26	283	134	41	20	<5	15	7.5	99.92	0.91	<0.02

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Project: BG_RE_01
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	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
09-GBC-342	Rock Pulp	13.18	187.44	7.32	56.8	86	12.3	10.3	410	4.42	5.9	0.5	26.9	1.2	55.4	0.28	0.14	0.56	96	0.77	0.059
09-GBC-343	Till	1.53	75.26	10.92	130.3	131	154.0	21.1	866	4.01	13.1	0.6	2.9	3.8	50.6	0.72	0.75	0.18	77	0.64	0.098
09-GBC-344	Till	1.26	68.67	9.81	120.7	152	131.4	21.2	827	3.69	12.2	0.7	14.2	3.4	86.7	1.02	0.62	0.16	76	2.29	0.100
09-GBC-345	Till	1.35	70.92	9.24	114.1	180	126.5	20.6	837	3.59	11.8	0.6	1.8	3.5	83.2	0.91	0.62	0.15	75	2.47	0.085
09-GBC-346	Till	0.96	63.48	11.55	105.4	125	116.3	20.6	940	3.77	11.7	0.6	2.5	3.7	59.9	0.63	0.55	0.17	74	1.44	0.090
09-GBC-347	Till	0.89	41.92	7.03	73.2	103	93.0	13.3	580	2.47	8.3	0.6	0.5	2.2	85.1	0.58	0.55	0.09	56	2.66	0.090
09-GBC-348	Till	0.78	51.78	6.48	75.0	68	114.1	14.5	694	2.91	9.4	0.6	1.9	2.3	47.0	0.37	0.53	0.08	67	0.64	0.093
09-GBC-349	Till	0.84	56.24	6.49	83.2	140	112.4	15.9	654	3.06	9.6	0.6	1.7	2.3	52.8	0.52	0.67	0.09	70	1.10	0.092
09-GBC-350	Till	0.98	63.38	9.34	94.4	75	142.5	17.8	864	3.59	13.8	0.7	1.8	3.0	52.2	0.39	0.72	0.14	76	0.61	0.097
09-GBC-351	Till	0.80	57.92	8.26	90.6	46	129.1	15.5	597	3.44	10.6	0.8	3.1	3.3	43.4	0.25	0.56	0.13	71	0.56	0.089
09-GBC-352	Till	1.38	57.60	8.31	110.6	160	158.9	20.8	701	3.23	11.4	0.7	1.6	2.6	91.5	1.12	0.67	0.12	66	2.68	0.100
09-GBC-353	Till	1.02	57.04	8.12	91.6	56	204.1	18.8	746	3.47	13.0	0.6	1.6	2.6	48.6	0.42	0.56	0.11	68	0.76	0.091
09-GBC-354	Till	1.82	63.96	9.53	110.1	80	152.7	19.8	759	3.31	12.0	0.7	1.9	2.9	84.8	0.94	0.74	0.14	66	2.17	0.098
09-GBC-355	Till	1.03	58.73	9.60	94.4	161	138.2	20.8	804	3.37	12.2	0.7	1.7	2.8	79.7	0.89	0.54	0.14	66	2.87	0.084
09-GBC-356	Till	0.93	52.31	7.10	82.5	64	149.4	15.7	865	3.17	8.7	0.7	1.2	2.7	47.2	0.47	0.54	0.11	63	0.61	0.093
09-GBC-357	Till	1.03	46.84	7.87	101.0	87	104.9	15.2	581	2.80	9.2	0.6	1.9	2.3	61.2	0.73	0.55	0.11	59	1.31	0.083
09-GBC-358	Till	1.29	59.73	8.99	107.3	86	142.1	20.3	823	3.25	10.7	0.7	12.2	2.9	77.8	0.71	0.58	0.13	64	1.93	0.088
09-GBC-359	Till	1.54	64.04	8.76	106.6	85	160.9	23.8	891	3.29	12.5	0.6	1.8	3.0	88.7	0.96	0.77	0.12	66	2.12	0.092
09-GBC-360	Till	1.58	60.48	8.34	115.9	86	152.4	20.8	823	3.63	13.1	0.6	2.7	3.0	96.0	0.98	0.75	0.16	70	2.68	0.101
09-GBC-361 DUP of 09-GBC-367	Pulp DUP	0.67	42.46	6.22	87.1	81	107.7	11.8	521	3.10	8.3	0.6	1.6	2.4	42.9	0.24	0.43	0.12	64	0.51	0.088
09-GBC-362	Rock Pulp	0.83	80.27	11.59	86.2	108	45.4	14.6	369	3.92	8.0	0.9	9.5	10.5	31.7	0.13	0.30	0.29	52	0.25	0.085
09-GBC-363	Till	2.03	62.69	8.23	129.4	83	157.9	21.5	716	3.63	12.7	0.7	4.3	3.0	99.8	1.20	0.80	0.15	68	2.53	0.100
09-GBC-364	Till	2.14	68.29	8.46	139.4	93	159.5	20.9	794	3.54	12.9	0.7	2.7	2.9	94.2	1.21	0.71	0.15	68	2.43	0.105
09-GBC-365	Till	1.80	81.45	10.50	143.4	83	253.7	25.8	1295	4.66	14.2	0.6	2.8	3.6	51.6	1.15	0.67	0.17	83	0.65	0.103
09-GBC-366	Till	1.41	57.41	7.37	114.9	78	148.6	19.3	694	3.31	10.3	0.7	3.1	2.4	104.0	1.15	0.52	0.13	65	3.52	0.085
09-GBC-367	Till	0.70	43.38	6.46	85.2	76	107.3	13.3	499	3.03	8.5	0.6	2.0	2.5	43.4	0.25	0.45	0.11	63	0.52	0.081
09-GBC-368	Till	0.81	50.60	8.33	85.8	93	65.0	13.2	733	3.66	10.4	0.5	1.9	2.9	66.2	0.35	0.57	0.13	82	0.71	0.084
09-GBC-369	Till	1.24	70.93	10.16	107.4	177	90.4	18.4	968	3.92	13.3	0.5	3.5	2.9	66.4	0.54	0.73	0.15	89	0.74	0.111
09-GBC-370	Till	1.08	61.65	10.44	115.8	157	92.0	17.9	1207	4.04	11.4	0.5	2.0	2.8	58.0	0.41	0.59	0.15	82	0.64	0.088
09-GBC-371	Till	1.01	55.55	7.90	96.4	131	70.2	16.0	782	3.49	11.6	0.5	4.1	2.9	83.7	0.66	0.56	0.13	75	2.28	0.094

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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002941A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
09-GBC-342	Rock Pulp	5.1	20.0	0.76	59.8	0.138	<20	2.01	0.024	0.04	<0.1	5.5	0.04	0.66	34	2.9	0.51	6.0	0.37	<0.1	0.15
09-GBC-343	Till	17.7	95.5	1.30	307.6	0.089	<20	1.82	0.015	0.13	<0.1	8.7	0.33	<0.02	229	0.1	0.06	5.7	1.16	<0.1	0.18
09-GBC-344	Till	14.3	89.1	1.45	259.5	0.087	<20	1.77	0.018	0.14	<0.1	7.9	0.31	<0.02	223	0.2	0.04	5.5	1.23	<0.1	0.13
09-GBC-345	Till	14.6	91.8	1.42	276.6	0.092	<20	1.72	0.017	0.13	<0.1	8.8	0.31	<0.02	227	0.1	0.05	5.6	1.19	<0.1	0.17
09-GBC-346	Till	16.7	82.8	1.31	299.5	0.088	<20	1.84	0.018	0.13	<0.1	7.8	0.27	<0.02	169	0.2	0.04	5.7	1.31	<0.1	0.21
09-GBC-347	Till	11.4	77.6	1.11	211.1	0.092	<20	1.09	0.021	0.07	<0.1	5.7	0.18	<0.02	231	<0.1	0.02	3.5	0.63	<0.1	0.15
09-GBC-348	Till	14.6	87.9	1.01	277.5	0.099	<20	1.31	0.026	0.08	<0.1	7.3	0.18	<0.02	206	<0.1	0.03	4.7	0.62	<0.1	0.15
09-GBC-349	Till	13.0	90.2	1.11	248.4	0.098	<20	1.40	0.019	0.09	<0.1	6.6	0.20	<0.02	230	<0.1	0.04	4.6	0.75	<0.1	0.08
09-GBC-350	Till	15.5	90.6	1.07	321.0	0.096	<20	1.64	0.021	0.10	<0.1	9.5	0.19	<0.02	285	0.2	0.05	5.6	0.82	<0.1	0.19
09-GBC-351	Till	15.4	90.5	1.02	276.1	0.095	<20	1.65	0.016	0.10	<0.1	8.3	0.17	<0.02	167	<0.1	0.03	5.4	0.92	<0.1	0.21
09-GBC-352	Till	12.9	102.9	1.80	311.0	0.104	<20	1.36	0.018	0.12	<0.1	7.5	0.34	<0.02	271	<0.1	0.06	4.6	0.90	<0.1	0.18
09-GBC-353	Till	15.1	111.1	1.80	314.3	0.087	<20	1.63	0.020	0.10	<0.1	7.7	0.21	<0.02	173	<0.1	0.04	5.5	0.91	<0.1	0.18
09-GBC-354	Till	13.9	95.9	1.56	308.2	0.098	<20	1.46	0.017	0.11	<0.1	7.3	0.31	<0.02	192	0.1	0.05	5.2	0.95	<0.1	0.25
09-GBC-355	Till	13.7	88.2	1.45	301.4	0.087	<20	1.53	0.017	0.12	<0.1	7.3	0.28	<0.02	163	0.1	0.05	5.0	1.05	<0.1	0.16
09-GBC-356	Till	15.9	89.9	1.33	297.3	0.099	<20	1.38	0.017	0.09	<0.1	8.0	0.21	<0.02	193	0.2	0.04	4.4	0.76	<0.1	0.15
09-GBC-357	Till	12.9	75.0	1.12	240.6	0.090	<20	1.36	0.014	0.10	<0.1	5.9	0.22	<0.02	138	<0.1	<0.02	4.8	0.95	<0.1	0.07
09-GBC-358	Till	13.6	85.7	1.56	264.9	0.091	<20	1.44	0.016	0.12	<0.1	7.2	0.25	<0.02	140	0.1	0.04	4.9	1.03	<0.1	0.15
09-GBC-359	Till	12.9	90.5	1.49	320.7	0.097	<20	1.39	0.020	0.12	<0.1	7.8	0.29	<0.02	260	0.4	0.05	4.8	0.88	<0.1	0.22
09-GBC-360	Till	13.5	96.9	1.58	278.6	0.107	<20	1.63	0.022	0.12	<0.1	7.6	0.33	<0.02	237	0.1	0.03	5.0	1.02	<0.1	0.24
09-GBC-361 DUP of 09-GBC-367	Pulp DUP	14.2	93.8	1.02	260.7	0.110	<20	1.69	0.014	0.08	<0.1	7.4	0.20	<0.02	130	<0.1	0.02	4.9	0.85	<0.1	0.08
09-GBC-362	Rock Pulp	33.4	55.1	0.91	57.3	0.075	<20	2.21	0.010	0.11	0.1	5.1	0.14	<0.02	56	0.2	0.06	6.2	1.18	<0.1	0.02
09-GBC-363	Till	14.5	105.0	1.72	290.8	0.120	<20	1.55	0.019	0.12	<0.1	8.6	0.38	<0.02	244	0.3	0.03	4.8	1.04	<0.1	0.19
09-GBC-364	Till	13.6	112.9	1.69	277.8	0.120	<20	1.54	0.018	0.12	<0.1	8.6	0.39	<0.02	286	0.4	0.05	5.2	1.01	<0.1	0.14
09-GBC-365	Till	16.6	164.9	1.56	272.5	0.103	<20	2.00	0.014	0.11	<0.1	10.7	0.37	<0.02	254	0.5	0.06	5.9	1.09	<0.1	0.14
09-GBC-366	Till	12.5	103.4	1.81	294.6	0.103	<20	1.43	0.022	0.10	<0.1	6.9	0.29	<0.02	209	0.2	0.04	4.6	0.90	<0.1	0.11
09-GBC-367	Till	14.2	100.4	1.02	267.8	0.110	<20	1.68	0.014	0.08	<0.1	7.5	0.20	<0.02	178	<0.1	0.02	4.8	0.88	<0.1	0.08
09-GBC-368	Till	15.2	60.6	0.86	249.4	0.100	<20	2.03	0.023	0.11	<0.1	9.0	0.15	<0.02	154	0.1	0.04	5.4	1.00	<0.1	0.19
09-GBC-369	Till	15.3	76.1	1.05	272.1	0.114	<20	2.04	0.025	0.12	<0.1	10.2	0.21	<0.02	176	0.1	0.03	6.6	1.18	<0.1	0.19
09-GBC-370	Till	15.3	65.8	0.97	281.3	0.085	<20	2.06	0.019	0.13	<0.1	9.9	0.19	<0.02	264	2.2	0.03	6.1	1.08	<0.1	0.14
09-GBC-371	Till	13.9	66.2	1.05	202.5	0.105	<20	1.67	0.022	0.11	<0.1	7.9	0.19	<0.02	181	0.2	0.04	5.3	1.14	<0.1	0.19

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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002941A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%	%	%	%	%	%
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01
09-GBC-342	Rock Pulp	0.37	1.9	0.7	<0.05	5.6	6.51	9.9	0.08	12	0.2	4.8	<10	<2	59.97	14.73	8.25	2.21	4.02	2.22	1.14
09-GBC-343	Till	0.09	8.7	0.7	<0.05	8.2	14.10	32.0	0.03	<1	0.8	14.8	<10	<2	62.62	13.37	6.91	3.07	1.97	2.07	1.88
09-GBC-344	Till	0.06	9.4	1.3	<0.05	7.5	12.58	29.8	0.04	<1	0.4	15.1	<10	3	60.21	12.71	6.45	3.27	4.30	2.02	1.80
09-GBC-345	Till	0.08	9.1	0.7	<0.05	7.5	12.07	28.5	0.03	1	0.6	14.3	<10	<2	59.72	12.63	6.36	3.27	4.56	2.00	1.79
09-GBC-346	Till	0.07	8.7	1.1	<0.05	8.6	13.28	33.5	0.04	<1	0.5	14.9	<10	<2	62.36	12.96	6.50	2.92	3.08	2.10	1.75
09-GBC-347	Till	0.09	5.2	0.4	<0.05	6.0	9.85	22.9	<0.02	<1	0.4	9.0	<10	<2	65.71	10.78	4.58	2.70	5.11	2.42	1.39
09-GBC-348	Till	0.06	5.2	0.6	<0.05	7.5	13.21	25.1	0.03	<1	0.6	9.2	<10	<2	68.49	11.56	5.33	2.54	2.43	2.56	1.47
09-GBC-349	Till	0.14	6.3	0.4	<0.05	3.5	11.51	24.2	0.03	1	0.4	10.9	<10	<2	65.77	11.72	5.69	2.79	3.22	2.40	1.59
09-GBC-350	Till	0.06	6.2	0.7	<0.05	8.6	13.83	27.6	0.03	<1	0.4	12.7	<10	<2	65.14	12.61	6.41	2.68	2.16	2.35	1.60
09-GBC-351	Till	0.06	7.1	0.9	<0.05	8.8	14.05	26.7	0.02	<1	0.4	12.5	<10	<2	65.96	12.49	6.11	2.57	2.12	2.32	1.54
09-GBC-352	Till	0.06	6.9	0.5	<0.05	7.3	10.66	25.3	0.03	2	0.4	11.4	<10	4	61.72	11.16	5.80	3.98	5.02	2.16	1.52
09-GBC-353	Till	0.04	6.6	0.6	<0.05	7.3	12.14	26.0	0.03	<1	0.5	12.5	<10	3	65.25	11.80	6.01	3.85	2.24	2.18	1.45
09-GBC-354	Till	0.07	7.1	1.1	<0.05	8.9	11.34	26.9	0.04	<1	0.6	12.8	<10	<2	62.52	11.47	5.97	3.58	4.36	2.16	1.52
09-GBC-355	Till	0.06	7.8	0.9	<0.05	7.7	10.81	26.4	0.03	<1	0.4	11.1	<10	2	60.86	11.64	6.01	3.33	5.32	2.07	1.50
09-GBC-356	Till	0.07	5.6	0.5	<0.05	6.6	14.37	28.3	0.02	<1	0.3	10.1	<10	<2	67.17	11.79	5.64	3.07	2.27	2.40	1.49
09-GBC-357	Till	0.19	8.4	0.8	<0.05	3.5	9.61	24.4	0.04	<1	0.3	13.5	<10	3	66.34	11.65	5.20	2.76	3.14	2.32	1.48
09-GBC-358	Till	0.05	8.0	0.6	<0.05	6.3	10.97	26.3	0.03	<1	0.3	11.8	<10	<2	63.61	11.75	5.77	3.45	3.82	2.17	1.55
09-GBC-359	Till	0.05	8.3	0.5	<0.05	8.1	11.03	24.2	0.03	<1	0.6	9.9	<10	3	63.22	11.48	5.94	3.43	4.16	2.18	1.62
09-GBC-360	Till	0.06	8.7	0.4	<0.05	8.3	11.87	27.9	0.03	<1	0.5	13.4	<10	3	60.95	11.89	6.07	3.48	4.94	2.11	1.63
09-GBC-361 DUP of 09-GBC-367	Pulp DUP	0.22	8.5	0.4	<0.05	4.4	11.02	26.2	0.03	<1	0.5	14.1	<10	<2	67.53	12.29	5.31	2.56	1.84	2.37	1.53
09-GBC-362	Rock Pulp	0.41	14.5	0.2	<0.05	1.3	7.02	75.2	0.02	<1	0.4	40.0	<10	<2	62.61	16.31	6.74	2.13	1.26	1.68	2.79
09-GBC-363	Till	0.08	7.9	0.3	<0.05	8.2	11.17	26.5	0.04	2	0.6	13.7	<10	<2	60.54	11.81	6.15	3.95	4.89	2.09	1.56
09-GBC-364	Till	0.07	7.8	0.5	<0.05	7.3	11.71	29.1	0.03	<1	0.5	14.1	<10	3	60.78	11.81	6.11	3.91	4.82	2.10	1.54
09-GBC-365	Till	0.04	8.4	0.4	<0.05	6.7	15.45	30.8	0.04	2	0.7	16.9	<10	2	61.09	12.98	7.74	3.74	1.93	2.04	1.59
09-GBC-366	Till	0.06	6.8	0.3	<0.05	5.4	10.68	25.7	0.04	<1	0.7	12.0	<10	<2	59.65	11.17	5.63	4.05	6.18	2.12	1.49
09-GBC-367	Till	0.19	8.4	0.3	<0.05	4.6	11.39	26.2	0.02	1	0.4	12.1	<10	<2	67.56	12.26	5.28	2.55	1.83	2.39	1.55
09-GBC-368	Till	0.07	7.3	0.4	<0.05	8.7	14.68	28.3	0.04	<1	0.5	14.2	<10	<2	64.26	13.70	6.27	2.14	2.27	2.43	1.69
09-GBC-369	Till	0.08	8.7	1.5	<0.05	9.1	13.55	28.9	0.04	<1	0.7	15.7	<10	3	63.47	13.61	6.59	2.49	2.34	2.43	1.69
09-GBC-370	Till	0.12	7.9	0.5	<0.05	6.5	14.81	29.6	0.04	1	0.7	15.8	<10	2	63.42	13.76	6.50	2.30	1.85	2.17	1.70
09-GBC-371	Till	0.08	8.1	0.5	<0.05	8.2	12.02	28.1	0.03	1	0.4	12.7	<10	5	63.52	12.45	5.70	2.43	4.24	2.36	1.62

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002941A.2

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
	Analyte	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
	Unit	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	MDL	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3	5	1	-5.1	0.01	0.02	0.02
09-GBC-342	Rock Pulp	0.94	0.16	0.11	0.008	191	453	79	24	<20	320	114	36	20	6	20	6.0	99.94	0.56	0.58
09-GBC-343	Till	0.82	0.23	0.13	0.032	76	1100	130	168	24	232	160	42	25	8	17	6.6	99.92	0.38	<0.02
09-GBC-344	Till	0.76	0.22	0.12	0.030	69	994	126	146	24	267	149	44	22	7	16	7.8	99.93	0.85	<0.02
09-GBC-345	Till	0.75	0.22	0.13	0.030	65	1021	121	146	25	270	144	35	22	7	16	8.3	99.93	0.95	<0.02
09-GBC-346	Till	0.77	0.21	0.13	0.028	64	994	109	127	29	248	158	47	24	8	16	6.9	99.93	0.57	<0.02
09-GBC-347	Till	0.69	0.20	0.09	0.035	43	887	76	104	<20	312	139	<30	19	7	12	6.1	99.95	0.89	<0.02
09-GBC-348	Till	0.72	0.21	0.11	0.041	49	956	82	129	<20	285	132	36	21	7	15	4.3	99.94	0.20	<0.02
09-GBC-349	Till	0.74	0.22	0.11	0.038	60	948	92	126	<20	312	142	<30	21	9	15	5.5	99.93	0.51	<0.02
09-GBC-350	Till	0.78	0.22	0.13	0.034	65	1037	101	157	23	261	149	44	23	9	16	5.6	99.94	0.23	<0.02
09-GBC-351	Till	0.79	0.21	0.10	0.036	52	940	92	141	<20	253	163	33	23	7	15	5.5	99.92	0.24	<0.02
09-GBC-352	Till	0.74	0.20	0.11	0.038	58	993	116	171	<20	280	134	35	20	9	14	7.3	99.92	0.96	<0.02
09-GBC-353	Till	0.74	0.20	0.12	0.040	53	939	95	213	21	228	138	<30	21	9	15	5.8	99.92	0.29	<0.02
09-GBC-354	Till	0.74	0.19	0.11	0.037	64	974	107	163	21	266	144	34	19	11	14	7.1	99.92	0.79	<0.02
09-GBC-355	Till	0.72	0.19	0.13	0.035	58	971	102	153	25	261	132	38	21	10	14	7.9	99.93	1.02	<0.02
09-GBC-356	Till	0.78	0.21	0.14	0.040	52	993	92	164	21	254	135	42	24	11	15	4.7	99.93	0.24	<0.02
09-GBC-357	Till	0.78	0.18	0.09	0.033	50	897	98	123	20	261	152	31	19	7	13	5.8	99.94	0.67	<0.02
09-GBC-358	Till	0.74	0.19	0.12	0.035	61	931	103	165	26	260	139	37	20	11	14	6.5	99.92	0.71	<0.02
09-GBC-359	Till	0.67	0.20	0.13	0.037	62	1043	110	171	27	276	125	35	19	10	14	6.6	99.93	0.73	<0.02
09-GBC-360	Till	0.74	0.22	0.12	0.035	58	1044	121	173	23	285	135	35	20	12	15	7.5	99.92	0.90	<0.02
09-GBC-361 DUP of 09-GBC-367	Pulp DUP	0.79	0.18	0.08	0.043	42	998	96	129	<20	241	140	32	20	11	14	5.2	99.93	0.38	<0.02
09-GBC-362	Rock Pulp	0.91	0.16	0.07	0.018	71	612	92	47	<20	219	362	113	33	17	16	5.1	99.94	0.44	<0.02
09-GBC-363	Till	0.81	0.22	0.11	0.037	62	1039	139	189	26	280	139	41	22	8	16	7.5	99.90	0.93	<0.02
09-GBC-364	Till	0.81	0.22	0.12	0.036	62	1022	155	183	26	283	135	39	21	9	15	7.5	99.92	0.91	<0.02
09-GBC-365	Till	0.78	0.22	0.18	0.045	80	982	158	264	27	215	141	40	24	6	19	7.4	99.90	0.30	<0.02
09-GBC-366	Till	0.76	0.21	0.11	0.034	56	1021	184	174	25	278	116	41	20	9	15	8.3	99.90	1.30	<0.02
09-GBC-367	Till	0.78	0.18	0.08	0.041	43	1007	99	127	<20	241	139	31	20	8	14	5.2	99.94	0.38	<0.02
09-GBC-368	Till	0.78	0.21	0.11	0.023	57	994	100	73	<20	306	150	36	24	8	18	5.9	99.94	0.27	<0.02
09-GBC-369	Till	0.78	0.24	0.14	0.024	67	1022	112	93	21	303	140	34	23	10	18	5.9	99.93	0.31	<0.02
09-GBC-370	Till	0.76	0.22	0.16	0.022	59	1004	120	112	<20	253	129	43	24	<5	17	6.9	99.93	0.52	<0.02
09-GBC-371	Till	0.75	0.21	0.12	0.020	48	923	98	75	<20	308	129	38	20	<5	15	6.3	99.93	0.76	<0.02

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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002941A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
09-GBC-372	Till	0.92	63.93	9.72	113.8	110	97.4	20.9	1086	3.90	11.2	0.5	2.9	3.2	78.0	0.64	0.52	0.13	83	0.86	0.099
09-GBC-373	Till	1.11	64.05	10.71	109.4	124	91.6	19.0	1069	3.82	11.7	0.5	4.6	3.0	64.7	0.53	0.48	0.14	82	1.05	0.100
09-GBC-374	Till	1.00	58.59	7.39	85.1	48	74.0	13.4	693	3.44	9.2	0.7	1.9	2.5	57.3	0.36	0.52	0.10	83	0.73	0.104
09-GBC-375	Till	1.27	63.37	9.81	119.8	200	132.6	33.7	1160	4.05	9.0	0.7	1.2	3.5	96.0	0.70	0.31	0.14	77	1.79	0.133
09-GBC-376	Till	0.58	32.71	5.51	70.5	35	88.9	11.6	488	2.76	6.1	0.5	0.9	2.3	60.3	0.35	0.36	0.08	61	1.07	0.081
09-GBC-377	Till	0.80	53.74	7.20	94.1	79	72.0	14.4	712	3.34	9.4	0.5	2.4	2.8	86.4	0.51	0.54	0.11	72	3.05	0.106
09-GBC-378	Till	1.06	55.30	7.67	97.4	124	81.3	15.4	798	3.30	10.7	0.5	2.8	2.3	110.0	0.81	0.56	0.11	75	3.22	0.093
09-GBC-379	Till	0.63	34.58	7.17	66.4	110	78.8	12.1	590	2.54	5.5	0.6	1.1	2.3	37.4	0.20	0.32	0.11	57	0.49	0.076
09-GBC-380	Till	0.90	60.04	9.03	94.7	104	95.1	17.0	692	3.77	10.5	0.7	24.1	3.4	51.0	0.17	0.44	0.17	75	0.56	0.103
09-GBC-381 DUP of 09-GBC-385	Pulp DUP	0.69	31.40	6.39	58.9	37	63.2	9.9	546	2.66	7.0	0.5	19.1	2.4	34.6	0.16	0.36	0.09	57	0.42	0.084
09-GBC-382	Rock Pulp	1.40	100.55	6.10	83.3	103	46.2	23.3	1036	4.88	14.5	1.0	7.6	1.3	64.9	0.33	0.22	0.15	144	1.38	0.072
09-GBC-383	Till	1.00	54.30	10.05	93.6	118	100.5	17.5	946	3.65	10.1	0.5	2.0	2.9	51.9	0.31	0.39	0.16	73	0.63	0.090
09-GBC-384	Till	0.94	58.24	8.72	97.2	228	96.4	15.3	736	3.64	9.7	0.7	2.1	3.4	60.6	0.30	0.38	0.35	79	1.24	0.088
09-GBC-385	Till	0.67	30.27	6.09	53.4	27	57.9	10.2	492	2.65	6.3	0.5	1.5	2.4	33.2	0.15	0.42	0.09	58	0.42	0.080
09-GBC-386	Till	0.86	53.47	8.20	90.9	68	106.9	16.0	723	3.49	9.9	0.5	2.4	2.7	64.5	0.44	0.44	0.14	66	1.52	0.080
09-GBC-387	Till	0.96	56.57	8.35	98.9	120	109.0	13.9	625	3.58	10.6	0.6	3.1	2.8	49.1	0.25	0.45	0.13	68	0.51	0.091
09-GBC-388	Till	0.76	55.45	8.54	84.4	46	95.3	15.4	711	3.61	10.4	0.5	1.6	3.0	46.9	0.18	0.40	0.14	69	0.61	0.078
09-GBC-389	Till	1.26	62.45	10.92	106.6	104	140.9	22.6	1100	3.85	12.4	0.6	1.9	3.1	49.8	0.48	0.52	0.16	74	0.57	0.095
09-GBC-390	Till	0.67	53.58	8.01	71.8	63	91.4	14.9	629	2.85	7.4	0.4	3.0	2.7	30.6	0.49	0.65	0.40	50	0.48	0.087
09-GBC-391	Till	0.85	55.37	7.69	80.6	55	101.5	15.9	674	3.35	9.7	0.5	2.5	2.8	33.9	0.24	0.44	0.14	64	0.55	0.076
09-GBC-392	Till	1.09	50.48	9.12	88.1	75	98.4	17.9	1131	3.47	9.1	0.5	1.2	3.5	43.4	0.44	0.43	0.15	65	0.71	0.079
09-GBC-393	Till	0.92	57.50	8.60	86.8	42	99.4	15.5	773	3.63	10.4	0.6	2.2	3.3	40.2	0.23	0.49	0.15	66	0.55	0.084
09-GBC-394	Till	0.99	52.82	9.51	88.5	80	96.0	19.0	774	3.53	9.5	0.5	0.6	3.8	61.9	0.38	0.44	0.15	65	1.24	0.092
09-GBC-395	Till	0.72	51.28	8.88	87.0	43	106.3	18.7	811	3.48	9.8	0.5	1.3	3.6	45.7	0.31	0.47	0.15	65	0.59	0.085
09-GBC-396	Till	0.63	41.97	8.62	79.0	31	82.9	13.9	708	3.29	8.4	0.5	1.2	3.3	35.9	0.25	0.46	0.19	63	0.49	0.077
09-GBC-397	Till	0.67	45.54	7.75	77.3	27	98.1	13.7	730	3.24	9.2	0.5	1.5	3.4	42.0	0.14	0.47	0.20	65	0.56	0.073
09-GBC-398	Till	0.66	36.64	8.41	74.0	53	71.9	14.4	642	3.08	7.1	0.6	1.9	4.4	65.1	0.39	0.32	0.15	55	2.21	0.076
09-GBC-399	Till	0.66	45.54	10.02	77.8	155	87.7	16.3	675	3.23	9.2	0.6	1.2	4.4	41.3	0.19	0.44	0.16	60	0.47	0.094
09-GBC-400	Till	0.75	45.39	9.01	90.4	90	94.9	17.3	630	3.18	9.3	0.5	1.2	3.9	58.4	0.41	0.41	0.17	60	1.76	0.093
09-GBC-401 DUP of 09-GBC-404	Pulp DUP	0.65	43.77	9.05	76.1	40	79.0	15.6	679	3.29	8.7	0.5	1.3	4.3	40.2	0.21	0.42	0.16	61	0.62	0.079

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	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
09-GBC-372	Till	16.8	71.2	1.11	275.9	0.115	<20	2.10	0.031	0.13	<0.1	10.2	0.25	<0.02	211	0.2	0.03	6.5	1.20	<0.1	0.17
09-GBC-373	Till	14.9	69.1	1.10	253.8	0.107	<20	2.03	0.026	0.13	<0.1	9.9	0.22	<0.02	174	0.2	0.04	6.4	1.17	<0.1	0.14
09-GBC-374	Till	14.5	66.8	0.91	224.9	0.123	<20	1.82	0.031	0.13	<0.1	8.4	0.23	<0.02	134	0.1	0.05	6.1	0.88	<0.1	0.12
09-GBC-375	Till	19.4	80.8	1.54	362.7	0.111	<20	2.00	0.026	0.14	<0.1	9.6	0.21	<0.02	251	0.4	0.03	6.6	1.26	<0.1	0.04
09-GBC-376	Till	13.0	59.1	0.92	212.8	0.103	<20	1.45	0.019	0.06	<0.1	6.3	0.15	<0.02	114	0.1	<0.02	4.4	0.70	<0.1	0.13
09-GBC-377	Till	14.6	66.4	1.06	258.4	0.108	<20	1.76	0.025	0.10	<0.1	8.6	0.21	<0.02	159	0.2	0.03	5.5	1.05	<0.1	0.17
09-GBC-378	Till	11.8	66.7	1.17	264.4	0.096	<20	1.59	0.026	0.10	<0.1	8.1	0.20	<0.02	174	0.3	0.03	4.5	0.87	<0.1	0.19
09-GBC-379	Till	13.0	61.3	0.85	212.7	0.095	<20	1.53	0.020	0.10	<0.1	5.2	0.14	<0.02	61	<0.1	<0.02	4.5	1.07	<0.1	0.05
09-GBC-380	Till	17.2	88.6	1.06	304.3	0.103	<20	1.99	0.025	0.13	<0.1	9.5	0.22	<0.02	86	0.4	0.05	6.3	1.57	<0.1	0.19
09-GBC-381 DUP of 09-GBC-385	Pulp DUP	12.0	69.1	0.61	185.9	0.085	<20	1.28	0.015	0.06	<0.1	5.4	0.10	<0.02	37	<0.1	<0.02	3.7	0.60	<0.1	0.09
09-GBC-382	Rock Pulp	6.6	53.6	1.15	63.7	0.265	<20	2.86	0.037	0.05	<0.1	8.1	0.06	0.16	161	1.4	0.06	8.5	0.56	<0.1	0.13
09-GBC-383	Till	14.3	76.9	1.13	262.6	0.082	<20	1.95	0.031	0.12	<0.1	8.1	0.19	<0.02	82	0.2	0.04	6.0	1.44	<0.1	0.17
09-GBC-384	Till	14.5	85.8	1.18	286.8	0.076	<20	2.24	0.059	0.13	<0.1	9.7	0.20	<0.02	83	<0.1	0.03	6.9	1.43	<0.1	0.19
09-GBC-385	Till	11.3	62.2	0.61	178.8	0.087	<20	1.27	0.015	0.06	<0.1	5.3	0.10	<0.02	31	0.1	<0.02	3.7	0.57	<0.1	0.10
09-GBC-386	Till	12.3	84.5	1.30	270.0	0.085	<20	1.76	0.022	0.11	<0.1	8.1	0.18	<0.02	82	0.2	0.05	5.6	1.18	<0.1	0.18
09-GBC-387	Till	14.5	90.8	1.03	288.4	0.082	<20	1.82	0.017	0.11	<0.1	8.9	0.18	<0.02	110	0.3	0.04	5.7	1.15	<0.1	0.14
09-GBC-388	Till	14.5	77.9	1.04	330.9	0.089	<20	1.84	0.022	0.10	<0.1	8.4	0.16	<0.02	90	0.4	0.04	5.7	1.12	<0.1	0.23
09-GBC-389	Till	14.7	104.1	1.32	344.2	0.094	<20	1.90	0.021	0.12	<0.1	9.5	0.23	<0.02	100	0.2	0.05	6.2	1.31	<0.1	0.21
09-GBC-390	Till	13.5	82.3	0.85	271.7	0.082	<20	1.05	0.015	0.07	<0.1	5.9	0.14	<0.02	66	1.0	0.08	3.2	0.73	<0.1	0.20
09-GBC-391	Till	13.6	83.0	1.02	321.6	0.090	<20	1.62	0.022	0.10	<0.1	7.8	0.16	<0.02	82	0.2	0.03	5.0	1.03	<0.1	0.19
09-GBC-392	Till	14.6	71.5	1.14	260.3	0.092	<20	1.81	0.024	0.13	<0.1	7.8	0.18	<0.02	62	<0.1	0.04	5.6	1.39	<0.1	0.21
09-GBC-393	Till	15.2	76.8	0.97	334.7	0.087	<20	1.77	0.020	0.10	<0.1	8.1	0.19	<0.02	87	0.1	0.04	5.4	1.11	<0.1	0.18
09-GBC-394	Till	15.7	80.4	1.26	241.0	0.089	<20	1.82	0.019	0.13	<0.1	8.4	0.19	<0.02	75	<0.1	0.05	5.7	1.44	<0.1	0.18
09-GBC-395	Till	14.7	79.6	1.07	281.2	0.089	<20	1.74	0.020	0.11	<0.1	8.1	0.17	<0.02	70	<0.1	0.05	5.4	1.23	0.1	0.20
09-GBC-396	Till	13.8	60.8	0.86	251.5	0.077	<20	1.63	0.014	0.11	<0.1	6.7	0.13	<0.02	63	<0.1	0.05	4.8	1.11	<0.1	0.21
09-GBC-397	Till	14.7	70.3	0.92	327.3	0.089	<20	1.67	0.021	0.10	<0.1	7.1	0.16	<0.02	72	<0.1	0.03	5.2	1.08	<0.1	0.25
09-GBC-398	Till	13.9	56.8	1.20	219.4	0.073	<20	1.52	0.015	0.13	<0.1	6.2	0.14	<0.02	55	<0.1	0.03	4.2	1.11	<0.1	0.22
09-GBC-399	Till	16.6	69.1	0.90	228.7	0.083	<20	1.58	0.019	0.10	<0.1	7.0	0.14	<0.02	82	<0.1	<0.02	4.9	1.19	0.1	0.27
09-GBC-400	Till	14.4	73.0	1.13	197.2	0.082	<20	1.56	0.016	0.12	<0.1	6.5	0.16	<0.02	71	<0.1	0.06	4.9	1.24	<0.1	0.26
09-GBC-401 DUP of 09-GBC-404	Pulp DUP	17.3	64.3	0.93	262.0	0.078	<20	1.59	0.018	0.10	<0.1	6.7	0.14	<0.02	72	<0.1	0.03	4.8	1.08	<0.1	0.25

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002941A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%	%	%	%	%	%
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01
09-GBC-372	Till	0.07	9.7	0.7	<0.05	9.0	14.97	32.2	0.05	<1	0.7	15.1	<10	<2	63.63	13.35	6.41	2.56	2.50	2.32	1.66
09-GBC-373	Till	0.07	9.2	1.6	<0.05	7.9	14.45	30.1	0.04	<1	0.7	14.9	<10	4	63.05	13.63	6.42	2.56	2.72	2.33	1.70
09-GBC-374	Till	0.12	8.6	0.6	<0.05	8.4	13.95	26.1	0.04	<1	0.6	12.5	<10	3	65.60	12.99	6.02	2.42	2.72	2.59	1.61
09-GBC-375	Till	0.10	9.1	1.0	<0.05	3.7	14.02	39.9	0.04	2	0.5	15.0	<10	2	59.26	13.96	6.81	3.34	3.66	2.17	1.70
09-GBC-376	Till	0.13	5.8	0.4	<0.05	6.2	9.69	26.0	0.03	1	0.3	10.2	<10	<2	67.42	12.10	4.98	2.27	2.85	2.69	1.47
09-GBC-377	Till	0.11	8.3	0.6	<0.05	11.3	12.67	29.3	0.03	<1	0.7	12.5	<10	3	60.02	12.60	5.84	2.49	5.62	2.28	1.53
09-GBC-378	Till	0.07	7.0	0.3	<0.05	9.1	10.68	22.4	0.03	2	0.3	11.8	<10	<2	59.80	12.16	5.85	2.76	6.07	2.34	1.60
09-GBC-379	Till	0.28	9.5	0.5	<0.05	3.6	9.97	25.2	0.03	<1	0.5	11.9	<10	<2	67.86	12.48	4.77	2.18	2.17	2.47	1.58
09-GBC-380	Till	0.08	12.2	0.7	<0.05	8.7	15.67	29.4	0.04	<1	0.6	15.1	<10	2	64.11	13.58	6.41	2.59	1.99	2.12	1.69
09-GBC-381 DUP of 09-GBC-385	Pulp DUP	0.12	4.6	0.4	<0.05	4.9	6.29	27.5	0.02	<1	0.2	7.7	<10	<2	69.91	11.99	4.96	1.80	2.16	2.58	1.47
09-GBC-382	Rock Pulp	0.97	3.4	0.5	<0.05	6.3	11.48	16.6	0.05	<1	0.4	8.3	<10	<2	46.01	13.55	10.53	4.25	6.45	2.04	0.72
09-GBC-383	Till	0.05	9.5	0.7	<0.05	7.0	12.40	26.3	0.04	<1	0.4	15.1	<10	<2	64.61	13.40	6.20	2.65	2.03	2.16	1.53
09-GBC-384	Till	0.05	10.6	0.6	<0.05	9.1	13.87	27.7	0.04	2	0.8	15.1	<10	2	62.01	14.11	6.15	2.77	2.81	2.01	1.69
09-GBC-385	Till	0.15	4.5	0.3	<0.05	5.1	6.39	27.3	0.02	<1	0.3	7.3	<10	2	69.98	12.01	4.94	1.81	2.17	2.59	1.46
09-GBC-386	Till	0.07	8.2	0.4	<0.05	7.7	11.43	24.8	0.03	<1	0.5	13.0	<10	3	62.72	12.87	6.08	3.07	3.35	2.16	1.58
09-GBC-387	Till	0.09	8.4	0.5	<0.05	6.6	12.68	27.1	0.03	<1	0.7	14.9	<10	<2	64.73	13.52	6.15	2.58	1.79	2.19	1.70
09-GBC-388	Till	0.05	7.3	0.4	<0.05	9.2	12.67	26.6	0.04	<1	0.5	12.5	<10	2	65.18	13.15	6.23	2.57	2.10	2.19	1.57
09-GBC-389	Till	0.06	8.5	0.5	<0.05	9.1	13.15	29.5	0.04	1	0.5	13.6	<10	<2	64.51	12.99	6.37	3.08	1.93	2.09	1.65
09-GBC-390	Till	0.03	5.4	0.2	<0.05	8.5	9.93	27.0	0.02	1	0.2	7.6	<10	6	72.64	9.81	5.09	2.30	1.96	2.10	1.22
09-GBC-391	Till	0.05	7.3	0.4	<0.05	8.6	11.09	24.8	0.04	<1	0.5	10.4	<10	2	67.29	12.05	5.75	2.72	2.06	2.17	1.50
09-GBC-392	Till	0.06	10.1	0.4	<0.05	8.8	11.49	29.7	0.04	1	0.4	14.4	<10	<2	64.68	13.24	6.16	2.80	2.26	2.15	1.67
09-GBC-393	Till	0.05	7.7	0.4	<0.05	9.0	13.15	28.1	0.04	1	0.4	12.8	<10	<2	66.14	12.90	6.07	2.49	1.94	2.17	1.62
09-GBC-394	Till	0.05	10.4	0.3	<0.05	8.6	11.33	29.8	0.04	<1	0.6	14.8	<10	<2	62.94	13.30	6.05	2.97	2.96	2.11	1.72
09-GBC-395	Till	0.03	8.8	0.3	<0.05	9.1	11.00	30.8	0.03	<1	0.6	13.7	<10	<2	65.41	13.15	6.00	2.62	2.05	2.25	1.69
09-GBC-396	Till	0.07	7.7	0.4	<0.05	7.9	10.88	27.8	0.04	<1	0.5	12.2	<10	<2	66.13	13.42	5.88	2.23	1.80	2.20	1.74
09-GBC-397	Till	0.05	7.2	0.4	<0.05	9.2	11.24	27.8	0.04	1	0.7	12.6	12	2	66.21	13.10	5.83	2.38	2.09	2.22	1.63
09-GBC-398	Till	0.05	9.2	0.3	<0.05	8.8	8.84	29.4	0.03	<1	0.5	14.8	<10	3	63.14	12.54	5.51	2.75	4.26	1.98	1.83
09-GBC-399	Till	0.06	8.0	0.4	<0.05	10.7	11.97	33.7	0.04	<1	0.4	15.4	<10	<2	66.49	13.16	5.85	2.30	1.86	2.19	1.73
09-GBC-400	Till	0.06	8.6	0.4	<0.05	10.3	10.86	30.3	0.03	<1	0.4	15.2	<10	<2	63.19	12.87	5.76	2.76	3.77	2.10	1.68
09-GBC-401 DUP of 09-GBC-404	Pulp DUP	0.05	7.4	0.3	<0.05	10.2	11.37	33.0	0.04	<1	0.7	14.2	<10	<2	66.34	13.11	5.82	2.32	2.07	2.23	1.74

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002941A.2

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
	Analyte	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
	Unit	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	MDL	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3	5	1	-5.1	0.01	0.02	0.02
09-GBC-372	Till	0.76	0.22	0.15	0.024	55	1031	109	112	<20	302	139	35	22	<5	16	6.2	99.93	0.30	<0.02
09-GBC-373	Till	0.76	0.22	0.15	0.022	61	995	109	90	25	290	135	32	22	10	17	6.2	99.93	0.41	<0.02
09-GBC-374	Till	0.75	0.23	0.12	0.027	57	950	91	77	<20	339	144	<30	22	9	16	4.7	99.93	0.33	<0.02
09-GBC-375	Till	0.83	0.29	0.16	0.029	62	1118	125	153	38	333	154	53	23	12	17	7.5	99.91	0.80	<0.02
09-GBC-376	Till	0.82	0.19	0.08	0.032	34	936	84	101	<20	302	154	37	21	9	14	4.8	99.94	0.45	<0.02
09-GBC-377	Till	0.73	0.24	0.11	0.023	62	955	104	74	21	322	143	40	21	14	16	8.3	99.94	1.05	<0.02
09-GBC-378	Till	0.70	0.22	0.13	0.027	62	999	105	87	22	358	133	32	20	8	16	8.1	99.93	1.21	<0.02
09-GBC-379	Till	0.85	0.20	0.10	0.025	34	960	77	89	<20	286	155	37	23	9	13	5.1	99.95	0.65	<0.02
09-GBC-380	Till	0.79	0.21	0.11	0.027	60	1195	105	106	<20	250	149	40	27	8	17	6.1	99.93	0.32	<0.02
09-GBC-381 DUP of 09-GBC-385	Pulp DUP	0.77	0.21	0.09	0.029	33	961	73	72	<20	294	162	34	18	7	13	3.8	99.96	0.23	<0.02
09-GBC-382	Rock Pulp	1.34	0.20	0.21	0.026	108	264	102	58	31	267	255	<30	25	10	29	14.4	99.87	4.50	0.09
09-GBC-383	Till	0.76	0.23	0.15	0.024	56	1001	105	113	24	249	142	<30	23	8	17	6.0	99.93	0.32	<0.02
09-GBC-384	Till	0.78	0.21	0.11	0.025	57	1389	108	102	<20	248	148	46	25	8	17	7.0	99.93	0.51	<0.02
09-GBC-385	Till	0.77	0.22	0.10	0.028	35	966	71	72	<20	296	166	36	18	8	13	3.7	99.96	0.23	<0.02
09-GBC-386	Till	0.76	0.20	0.12	0.029	56	1021	105	124	22	260	142	<30	22	11	16	6.8	99.92	0.59	<0.02
09-GBC-387	Till	0.79	0.21	0.10	0.031	60	1082	110	126	21	249	150	<30	23	6	17	5.9	99.94	0.43	<0.02
09-GBC-388	Till	0.80	0.20	0.11	0.027	58	1061	97	110	<20	249	148	34	24	8	17	5.6	99.94	0.24	<0.02
09-GBC-389	Till	0.76	0.20	0.15	0.031	63	1240	109	154	27	237	132	44	24	6	17	6.0	99.94	0.29	<0.02
09-GBC-390	Till	0.69	0.20	0.10	0.032	56	992	84	113	<20	220	151	39	23	7	12	3.6	99.95	0.14	<0.02
09-GBC-391	Till	0.75	0.19	0.11	0.030	57	1233	96	115	<20	237	136	30	22	9	16	5.1	99.93	0.23	<0.02
09-GBC-392	Till	0.75	0.19	0.17	0.023	54	1070	102	104	21	234	143	33	22	10	16	5.6	99.93	0.27	<0.02
09-GBC-393	Till	0.77	0.19	0.12	0.027	60	1111	97	111	<20	244	142	34	24	10	16	5.3	99.93	0.23	<0.02
09-GBC-394	Till	0.78	0.22	0.12	0.024	54	955	100	109	25	267	145	38	22	10	16	6.5	99.93	0.47	<0.02
09-GBC-395	Till	0.78	0.22	0.13	0.026	50	1013	97	122	22	257	154	34	23	9	15	5.4	99.93	0.18	<0.02
09-GBC-396	Till	0.79	0.18	0.11	0.022	46	946	90	99	<20	243	160	39	23	11	15	5.2	99.95	0.23	<0.02
09-GBC-397	Till	0.75	0.19	0.11	0.023	48	1021	86	106	<20	254	146	39	23	9	15	5.2	99.93	0.19	<0.02
09-GBC-398	Till	0.73	0.20	0.11	0.024	43	889	86	92	<20	255	173	48	22	12	14	6.7	99.93	0.78	<0.02
09-GBC-399	Till	0.77	0.20	0.11	0.024	48	910	86	93	<20	252	167	49	24	7	15	5.1	99.93	0.17	<0.02
09-GBC-400	Till	0.76	0.21	0.11	0.025	48	865	98	107	<20	256	161	41	22	8	14	6.5	99.92	0.62	<0.02
09-GBC-401 DUP of 09-GBC-404	Pulp DUP	0.78	0.20	0.11	0.025	45	938	85	98	<20	248	184	48	26	8	15	5.0	99.93	0.18	<0.02

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Project: BG_RE_01
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CERTIFICATE OF ANALYSIS VAN19002941A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
09-GBC-402	Rock Pulp	14.57	172.77	7.72	53.6	92	12.4	11.9	420	4.25	6.4	0.5	27.3	1.4	55.3	0.25	0.16	0.54	94	0.69	0.055
09-GBC-403	Till	0.82	50.64	8.67	86.4	69	118.4	15.6	639	3.36	9.6	0.6	2.2	3.1	36.8	0.20	0.47	0.14	63	0.49	0.071
09-GBC-404	Till	0.61	42.33	8.34	72.2	38	75.7	14.8	687	3.18	7.9	0.5	1.1	4.0	36.8	0.18	0.39	0.14	59	0.60	0.080
09-GBC-405	Till	0.82	49.22	9.40	93.1	72	91.8	17.5	767	3.52	9.3	0.7	1.6	3.6	41.1	0.23	0.42	0.15	68	0.51	0.086
09-GBC-406	Till	0.78	52.10	9.38	93.3	73	94.8	17.5	794	3.67	9.7	0.7	2.2	3.8	43.3	0.29	0.39	0.15	70	0.54	0.093
09-GBC-407	Till	0.78	48.34	8.45	78.9	43	116.6	15.7	730	3.43	8.6	0.5	1.5	3.4	38.1	0.17	0.36	0.14	68	0.53	0.081
09-GBC-408	Till	0.76	53.75	6.74	78.1	40	51.7	13.0	567	3.37	15.1	0.6	1.6	2.9	63.6	0.30	0.68	0.09	89	0.70	0.114
09-GBC-409	Till	1.05	59.30	8.77	96.1	216	67.1	20.0	936	3.55	10.8	0.5	1.8	3.2	69.9	0.50	0.46	0.13	76	1.53	0.098
09-GBC-410	Till	0.62	43.05	5.70	59.4	41	43.7	10.9	512	2.85	7.1	0.5	1.6	2.5	43.3	0.22	0.41	0.07	74	0.55	0.092
09-GBC-411	Till	0.73	49.58	6.29	76.6	41	44.9	13.9	665	2.94	8.5	0.5	1.3	2.7	57.8	0.35	0.63	0.08	74	0.63	0.115
09-GBC-412	Till	0.75	46.42	7.00	79.0	57	55.7	14.1	653	3.30	8.2	0.6	1.6	2.9	53.5	0.33	0.55	0.11	76	0.63	0.105
09-GBC-413	Till	0.52	30.35	5.89	62.2	42	31.4	7.2	310	2.58	5.1	0.7	1.1	2.8	54.9	0.13	0.30	0.08	65	0.52	0.113
09-GBC-414	Till	1.05	47.11	7.44	87.5	195	75.1	18.7	790	3.16	9.6	0.5	1.4	2.2	78.0	0.76	0.47	0.09	72	2.12	0.088
09-GBC-415	Till	1.00	52.25	7.73	94.4	148	64.9	16.8	823	3.22	10.6	0.5	1.6	2.7	73.3	0.68	0.53	0.10	72	2.66	0.104
09-GBC-416	Till	0.91	53.75	9.23	95.1	160	68.9	20.4	1076	3.48	9.3	0.6	3.7	3.1	84.9	0.61	0.44	0.11	81	1.88	0.114
09-GBC-417	Till	0.68	54.04	7.59	78.4	100	53.3	12.5	461	3.82	8.3	0.9	2.2	3.2	60.3	0.14	0.33	0.10	89	0.70	0.114
09-GBC-418	Till	1.00	65.18	10.46	104.3	105	83.4	22.9	1160	3.97	10.8	0.6	0.8	3.5	87.9	0.36	0.43	0.15	90	0.78	0.111
09-GBC-419	Till	8.95	75.18	9.54	221.1	264	79.0	16.9	673	3.83	8.8	1.6	0.4	3.6	44.7	1.81	0.45	0.20	74	0.56	0.118
09-GBC-420	Till	0.71	42.93	7.13	73.6	109	84.9	18.3	785	3.20	7.3	0.6	1.7	2.4	46.1	0.15	0.32	0.10	79	0.57	0.081
09-GBC-421 DUP of 09-GBC-432	Pulp DUP	0.76	41.99	6.56	70.3	92	74.1	12.6	576	2.96	8.6	0.5	1.8	2.4	49.3	0.48	0.49	0.08	66	0.62	0.099
09-GBC-422	Rock Pulp	0.74	69.39	9.93	66.3	87	33.2	13.9	313	3.89	6.8	0.7	5.2	8.1	24.8	0.08	0.23	0.21	54	0.24	0.054
09-GBC-423	Till	1.14	64.50	7.70	98.3	83	91.0	17.1	992	3.46	10.8	0.5	5.2	2.4	63.0	0.48	0.64	0.13	82	0.93	0.085
09-GBC-424	Till	0.66	46.82	6.57	80.6	51	76.7	12.8	605	3.15	9.3	0.5	2.3	2.6	50.4	0.23	0.50	0.09	74	0.57	0.084
09-GBC-425	Till	1.11	54.65	7.56	102.6	95	121.3	18.9	734	3.45	11.7	0.6	0.4	2.6	91.5	0.76	0.50	0.11	75	2.71	0.093
09-GBC-426	Till	1.16	48.93	7.67	90.4	125	62.2	14.5	632	3.23	9.2	0.5	2.5	2.5	76.2	0.65	0.46	0.10	72	1.92	0.100
09-GBC-427	Till	1.26	50.69	7.91	92.0	118	78.3	17.8	813	3.18	10.0	0.5	1.2	2.4	76.6	0.79	0.47	0.11	71	1.90	0.090
09-GBC-428	Till	1.07	52.60	7.09	93.0	143	65.0	13.3	605	3.09	9.8	0.6	1.8	2.6	91.2	0.75	0.54	0.11	72	2.26	0.095
09-GBC-429	Till	0.84	45.14	6.75	81.9	71	69.7	13.1	720	2.93	8.5	0.5	5.1	2.7	82.1	0.68	0.52	0.09	67	2.04	0.103
09-GBC-430	Till	1.16	60.97	16.70	103.7	413	122.3	18.6	771	3.67	23.2	0.5	1.7	2.8	58.2	0.63	0.69	0.12	79	0.78	0.107
09-GBC-431	Till	1.32	62.15	8.60	106.7	109	126.3	20.2	891	3.58	10.6	0.5	2.3	2.8	61.8	0.64	0.57	0.13	78	1.11	0.099

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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Client: **Noble Exploration Services Ltd.**
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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002941A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
09-GBC-402	Rock Pulp	5.3	20.9	0.70	55.4	0.136	<20	1.99	0.020	0.04	<0.1	6.3	0.03	0.59	24	3.1	0.51	6.1	0.36	<0.1	0.18
09-GBC-403	Till	14.4	80.2	0.92	272.3	0.083	<20	1.62	0.013	0.09	<0.1	7.3	0.16	<0.02	116	<0.1	0.03	5.0	1.06	<0.1	0.17
09-GBC-404	Till	14.7	62.4	0.90	241.9	0.074	<20	1.55	0.017	0.10	<0.1	6.9	0.13	<0.02	67	0.1	0.03	4.6	0.99	<0.1	0.22
09-GBC-405	Till	14.5	73.2	1.06	249.3	0.088	<20	1.80	0.017	0.12	<0.1	7.9	0.16	<0.02	67	0.3	0.04	5.0	1.33	<0.1	0.24
09-GBC-406	Till	15.1	77.3	1.10	259.5	0.089	<20	1.89	0.017	0.14	<0.1	7.5	0.18	<0.02	79	<0.1	0.03	5.3	1.32	0.1	0.22
09-GBC-407	Till	14.9	83.7	1.07	253.6	0.093	<20	1.74	0.021	0.12	<0.1	6.8	0.15	<0.02	54	<0.1	0.03	5.2	1.21	<0.1	0.18
09-GBC-408	Till	17.9	61.8	0.73	221.7	0.123	<20	1.84	0.022	0.08	<0.1	9.6	0.15	<0.02	141	0.3	<0.02	5.2	1.02	<0.1	0.18
09-GBC-409	Till	14.7	56.5	1.02	235.0	0.086	<20	1.89	0.024	0.11	<0.1	10.0	0.17	<0.02	148	<0.1	0.04	5.5	1.18	<0.1	0.21
09-GBC-410	Till	14.4	51.8	0.63	183.7	0.102	<20	1.75	0.015	0.07	<0.1	6.9	0.13	<0.02	102	<0.1	0.02	4.3	0.66	<0.1	0.12
09-GBC-411	Till	17.6	50.1	0.59	219.6	0.120	<20	1.40	0.019	0.08	<0.1	9.5	0.14	<0.02	163	0.3	0.03	4.4	0.70	<0.1	0.14
09-GBC-412	Till	14.9	55.7	0.73	209.6	0.101	<20	1.65	0.020	0.08	<0.1	8.5	0.16	<0.02	169	<0.1	0.02	4.5	0.84	<0.1	0.15
09-GBC-413	Till	23.5	45.0	0.55	205.2	0.118	<20	1.68	0.013	0.07	<0.1	7.9	0.18	<0.02	119	<0.1	<0.02	4.3	0.63	<0.1	0.27
09-GBC-414	Till	11.8	58.8	0.99	223.9	0.097	<20	1.51	0.028	0.12	<0.1	7.2	0.24	<0.02	154	0.3	0.04	4.3	0.77	<0.1	0.21
09-GBC-415	Till	12.6	56.0	0.90	246.6	0.085	<20	1.57	0.019	0.10	<0.1	7.5	0.18	<0.02	212	<0.1	0.04	4.2	0.90	<0.1	0.18
09-GBC-416	Till	16.9	62.8	1.05	249.6	0.109	<20	1.82	0.028	0.13	<0.1	8.8	0.18	<0.02	164	0.2	0.02	5.5	1.16	<0.1	0.12
09-GBC-417	Till	19.8	68.1	0.90	251.0	0.112	<20	2.24	0.019	0.12	<0.1	9.7	0.16	<0.02	181	0.3	0.03	5.9	0.98	<0.1	0.12
09-GBC-418	Till	19.5	70.3	1.10	262.2	0.109	<20	2.18	0.027	0.14	<0.1	10.1	0.21	<0.02	220	<0.1	0.04	6.1	1.36	<0.1	0.10
09-GBC-419	Till	12.9	50.0	1.02	209.9	0.105	<20	1.60	0.022	0.15	<0.1	6.8	0.30	0.04	111	1.6	0.08	4.3	1.14	<0.1	0.19
09-GBC-420	Till	14.9	68.7	0.82	253.5	0.101	<20	2.10	0.013	0.08	<0.1	8.7	0.16	<0.02	105	0.2	0.02	5.9	0.92	<0.1	0.08
09-GBC-421 DUP of 09-GBC-432	Pulp DUP	13.8	58.1	0.94	165.3	0.101	<20	1.33	0.022	0.08	<0.1	6.4	0.15	<0.02	149	<0.1	<0.02	3.6	0.74	<0.1	0.16
09-GBC-422	Rock Pulp	26.3	49.0	0.90	48.6	0.059	<20	2.14	0.006	0.11	<0.1	4.0	0.11	<0.02	43	<0.1	0.06	5.0	0.97	<0.1	0.03
09-GBC-423	Till	13.5	68.3	1.11	271.7	0.112	<20	1.83	0.024	0.10	<0.1	8.6	0.21	<0.02	163	<0.1	0.05	6.0	1.04	<0.1	0.19
09-GBC-424	Till	15.4	71.4	0.78	204.4	0.113	<20	1.58	0.014	0.07	<0.1	8.6	0.16	<0.02	178	<0.1	0.03	4.9	0.75	<0.1	0.19
09-GBC-425	Till	13.4	79.6	1.41	233.5	0.097	<20	1.69	0.020	0.12	<0.1	8.6	0.23	<0.02	195	0.3	0.02	5.0	0.92	<0.1	0.12
09-GBC-426	Till	13.1	61.8	1.03	219.5	0.092	<20	1.57	0.020	0.12	<0.1	7.5	0.18	<0.02	202	0.3	0.03	4.6	0.93	<0.1	0.12
09-GBC-427	Till	13.2	64.8	1.01	233.0	0.093	<20	1.55	0.020	0.11	<0.1	8.0	0.22	<0.02	139	0.1	0.04	4.6	0.96	<0.1	0.13
09-GBC-428	Till	13.0	68.6	1.18	233.0	0.100	<20	1.49	0.021	0.11	<0.1	7.7	0.19	<0.02	143	0.1	0.03	4.1	0.98	<0.1	0.17
09-GBC-429	Till	13.6	57.8	1.05	198.9	0.101	<20	1.41	0.020	0.09	<0.1	6.5	0.20	<0.02	287	0.2	0.02	4.0	0.91	<0.1	0.19
09-GBC-430	Till	15.2	77.2	1.21	263.4	0.103	<20	1.77	0.022	0.11	<0.1	10.0	0.29	<0.02	229	0.1	0.03	4.9	1.05	<0.1	0.24
09-GBC-431	Till	13.6	86.8	1.32	245.6	0.102	<20	1.73	0.020	0.11	<0.1	8.6	0.27	<0.02	195	<0.1	0.04	5.1	1.07	<0.1	0.21

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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002941A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%	%	%	%	%	%
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01
09-GBC-402	Rock Pulp	0.40	1.7	0.6	<0.05	6.1	5.88	10.1	0.09	13	0.2	4.7	<10	<2	60.12	14.74	8.32	2.21	4.05	2.26	1.15
09-GBC-403	Till	0.08	7.0	0.2	<0.05	7.6	11.13	28.4	0.03	<1	0.5	12.4	<10	<2	66.05	12.99	5.99	2.38	1.84	2.23	1.66
09-GBC-404	Till	0.04	6.6	0.2	<0.05	8.7	11.08	29.1	0.03	<1	0.4	13.0	<10	2	66.34	13.10	5.79	2.32	2.07	2.17	1.72
09-GBC-405	Till	0.05	8.9	0.3	<0.05	10.2	11.01	29.7	0.04	<1	0.5	13.7	<10	<2	64.25	13.64	6.36	2.59	1.90	2.16	1.73
09-GBC-406	Till	0.05	9.4	0.3	<0.05	10.0	12.17	30.5	0.03	<1	0.5	15.7	<10	4	64.62	13.48	6.22	2.57	1.86	2.14	1.75
09-GBC-407	Till	0.03	8.2	0.5	<0.05	8.9	11.44	28.7	0.04	<1	0.3	12.0	<10	4	66.15	12.68	5.92	2.61	2.01	2.14	1.62
09-GBC-408	Till	0.10	6.4	0.4	<0.05	10.2	16.45	31.3	0.03	<1	0.6	11.3	<10	<2	65.20	13.10	5.95	1.97	2.65	2.58	1.66
09-GBC-409	Till	0.06	8.1	0.5	<0.05	9.7	12.17	30.0	0.04	1	0.6	15.0	<10	<2	61.75	13.85	6.33	2.49	3.56	2.26	1.71
09-GBC-410	Till	0.18	5.1	0.4	<0.05	6.3	11.73	29.1	0.02	<1	0.5	9.4	<10	<2	67.04	12.93	5.25	1.81	2.42	2.65	1.62
09-GBC-411	Till	0.10	5.3	0.3	<0.05	9.9	12.81	33.1	0.04	<1	0.6	8.5	<10	<2	67.93	12.29	5.41	1.74	2.63	2.74	1.63
09-GBC-412	Till	0.08	6.1	0.3	<0.05	8.2	12.94	29.2	0.03	2	0.4	10.6	<10	<2	65.30	13.19	6.08	1.99	2.46	2.57	1.61
09-GBC-413	Till	0.40	7.7	0.3	<0.05	19.5	13.12	44.6	0.02	<1	0.8	9.4	<10	<2	67.39	12.96	4.93	1.66	2.36	2.73	1.56
09-GBC-414	Till	0.06	6.6	0.4	<0.05	8.8	9.93	24.0	0.02	<1	0.4	10.3	<10	<2	63.34	12.20	5.72	2.44	4.56	2.47	1.56
09-GBC-415	Till	0.07	6.6	1.0	<0.05	7.8	10.86	24.5	0.03	<1	0.5	11.7	<10	<2	61.79	12.49	5.66	2.30	5.24	2.35	1.62
09-GBC-416	Till	0.06	8.9	0.9	<0.05	7.7	13.09	34.3	0.04	<1	0.4	13.6	<10	<2	61.57	13.23	6.19	2.56	4.23	2.40	1.70
09-GBC-417	Till	0.12	8.4	0.5	<0.05	8.9	14.35	33.1	0.04	<1	0.8	12.2	<10	<2	62.27	14.26	6.61	2.16	2.32	2.37	1.75
09-GBC-418	Till	0.06	10.2	0.6	<0.05	6.7	13.98	39.3	0.04	1	0.8	15.6	<10	<2	61.25	14.20	6.98	2.62	2.48	2.27	1.78
09-GBC-419	Till	0.05	11.4	0.3	<0.05	7.6	12.80	25.5	0.04	3	0.5	11.5	<10	<2	65.92	12.56	6.52	2.44	2.03	2.29	1.80
09-GBC-420	Till	0.36	8.9	0.3	<0.05	4.1	10.19	28.1	0.03	<1	0.9	13.7	<10	<2	64.68	13.41	5.67	2.11	2.05	2.51	1.58
09-GBC-421 DUP of 09-GBC-432	Pulp DUP	0.04	4.7	0.3	<0.05	7.1	10.90	28.0	<0.02	<1	0.4	9.9	<10	<2	68.59	11.95	5.23	2.38	2.31	2.69	1.50
09-GBC-422	Rock Pulp	0.34	11.3	0.2	<0.05	1.3	5.46	61.4	<0.02	<1	0.6	29.8	<10	2	62.45	16.25	6.73	2.12	1.26	1.69	2.79
09-GBC-423	Till	0.07	7.8	0.3	<0.05	8.3	11.50	26.0	0.02	1	0.4	13.1	<10	<2	64.76	12.99	6.05	2.64	2.51	2.40	1.64
09-GBC-424	Till	0.08	5.3	0.4	<0.05	8.8	14.65	27.0	0.02	<1	0.6	9.4	<10	<2	66.81	12.94	5.68	2.06	2.11	2.63	1.60
09-GBC-425	Till	0.05	6.9	0.5	<0.05	5.3	11.47	25.9	0.03	1	0.5	12.5	<10	<2	60.69	12.12	6.00	3.24	5.06	2.23	1.52
09-GBC-426	Till	0.05	6.8	0.8	<0.05	5.6	10.95	25.5	0.02	2	0.4	12.1	<10	<2	63.38	12.55	5.86	2.50	4.16	2.38	1.60
09-GBC-427	Till	0.06	6.7	0.7	<0.05	6.3	10.47	26.5	0.03	3	0.3	11.0	<10	3	63.66	12.42	5.74	2.48	4.13	2.40	1.57
09-GBC-428	Till	0.07	6.7	0.4	<0.05	7.5	11.00	26.3	0.02	2	0.5	11.4	<10	<2	62.39	12.09	5.68	2.81	4.65	2.39	1.57
09-GBC-429	Till	0.05	6.2	0.4	<0.05	7.7	10.62	27.9	0.04	<1	0.3	9.8	<10	<2	64.51	11.95	5.36	2.54	4.28	2.53	1.56
09-GBC-430	Till	0.06	7.1	0.4	<0.05	9.6	12.91	29.8	0.04	<1	0.4	12.4	<10	<2	64.01	12.79	6.63	2.88	2.40	2.33	1.57
09-GBC-431	Till	0.06	7.4	0.7	<0.05	9.3	12.31	28.1	0.03	1	0.4	12.3	<10	<2	63.23	12.84	6.47	3.13	2.81	2.29	1.62

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Bureau Veritas Commodities Canada Ltd.

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002941A.2

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
	Analyte	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
	Unit	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	MDL	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3	5	1	-5.1	0.01	0.02	0.02
09-GBC-402	Rock Pulp	0.95	0.15	0.11	0.010	180	462	65	<20	<20	322	145	<30	20	11	20	5.7	99.93	0.62	0.55
09-GBC-403	Till	0.79	0.20	0.10	0.030	52	995	96	142	<20	244	156	43	24	7	15	5.5	99.94	0.28	<0.02
09-GBC-404	Till	0.77	0.20	0.11	0.024	43	931	84	90	<20	247	182	58	24	11	14	5.2	99.94	0.18	<0.02
09-GBC-405	Till	0.78	0.21	0.12	0.025	53	996	99	114	<20	250	147	48	23	8	16	6.0	99.93	0.21	<0.02
09-GBC-406	Till	0.78	0.21	0.12	0.024	53	1006	100	116	<20	249	158	45	23	9	16	6.0	99.93	0.21	<0.02
09-GBC-407	Till	0.73	0.20	0.11	0.026	51	975	89	130	<20	255	136	41	22	10	15	5.5	99.94	0.19	<0.02
09-GBC-408	Till	0.80	0.25	0.09	0.024	54	1019	83	59	<20	370	159	42	25	13	16	5.5	99.94	0.24	<0.02
09-GBC-409	Till	0.80	0.23	0.14	0.021	56	951	103	86	20	301	149	54	22	8	17	6.6	99.92	0.51	<0.02
09-GBC-410	Till	0.80	0.24	0.09	0.026	48	998	72	55	<20	351	164	39	23	10	15	4.9	99.94	0.38	<0.02
09-GBC-411	Till	0.76	0.27	0.10	0.024	47	1009	77	53	<20	384	169	41	21	7	15	4.2	99.94	0.15	<0.02
09-GBC-412	Till	0.80	0.24	0.11	0.025	50	992	93	76	<20	328	161	47	25	7	17	5.4	99.94	0.25	<0.02
09-GBC-413	Till	0.79	0.26	0.07	0.023	35	1028	73	46	<20	382	180	58	23	9	15	5.0	99.94	0.42	<0.02
09-GBC-414	Till	0.73	0.22	0.14	0.026	52	961	105	92	22	333	138	42	21	9	15	6.3	99.93	0.76	<0.02
09-GBC-415	Till	0.74	0.22	0.12	0.022	54	965	97	77	<20	322	139	46	21	8	16	7.2	99.93	0.90	<0.02
09-GBC-416	Till	0.80	0.27	0.16	0.023	52	1040	104	82	20	358	147	47	23	11	16	6.6	99.93	0.60	<0.02
09-GBC-417	Till	0.84	0.27	0.08	0.023	55	1071	96	72	<20	351	154	52	25	11	18	6.8	99.93	0.43	<0.02
09-GBC-418	Till	0.83	0.28	0.17	0.022	67	1075	115	92	25	359	150	56	24	12	18	6.8	99.92	0.29	<0.02
09-GBC-419	Till	0.76	0.27	0.10	0.022	78	1144	220	89	<20	288	154	49	25	14	15	5.0	99.93	0.34	0.03
09-GBC-420	Till	0.79	0.20	0.13	0.030	45	990	85	105	<20	298	150	38	20	12	15	6.6	99.94	0.92	<0.02
09-GBC-421 DUP of 09-GBC-432	Pulp DUP	0.79	0.24	0.10	0.026	43	893	84	90	<20	307	130	43	21	11	14	4.0	99.94	0.14	<0.02
09-GBC-422	Rock Pulp	0.91	0.16	0.07	0.017	74	610	85	50	<20	222	364	120	33	20	16	5.3	99.94	0.44	<0.02
09-GBC-423	Till	0.77	0.23	0.15	0.023	64	1056	106	102	20	302	124	39	22	7	16	5.6	99.93	0.37	<0.02
09-GBC-424	Till	0.83	0.21	0.09	0.032	54	1012	106	90	<20	318	139	43	25	12	16	4.7	99.94	0.21	<0.02
09-GBC-425	Till	0.77	0.22	0.12	0.030	55	954	121	132	20	305	126	45	21	12	15	7.7	99.92	0.97	<0.02
09-GBC-426	Till	0.75	0.23	0.11	0.025	55	964	107	85	<20	320	139	42	21	10	16	6.2	99.93	0.71	<0.02
09-GBC-427	Till	0.74	0.22	0.13	0.024	53	949	106	89	<20	316	131	44	21	11	15	6.2	99.93	0.72	<0.02
09-GBC-428	Till	0.74	0.23	0.10	0.025	52	955	104	84	<20	336	127	42	21	10	16	7.1	99.93	0.89	<0.02
09-GBC-429	Till	0.76	0.24	0.11	0.023	49	938	93	86	<20	326	122	48	21	11	14	5.9	99.92	0.69	<0.02
09-GBC-430	Till	0.79	0.24	0.12	0.030	61	1048	117	142	<20	290	133	48	23	10	17	5.9	99.93	0.28	<0.02
09-GBC-431	Till	0.80	0.23	0.14	0.030	62	1009	116	148	23	278	131	42	23	14	17	6.1	99.92	0.43	<0.02

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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002941A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
09-GBC-432	Till	0.77	39.24	6.12	76.6	87	75.5	12.6	596	2.82	8.3	0.5	2.1	2.2	46.4	0.48	0.50	0.09	62	0.58	0.090
09-GBC-433	Till	1.53	61.68	10.17	111.3	211	118.7	24.5	1118	3.67	11.1	0.6	1.4	2.6	86.6	0.66	0.48	0.14	79	1.96	0.084
09-GBC-434	Till	1.20	65.33	9.28	102.8	147	136.5	29.2	1175	3.59	11.1	0.5	1.1	2.7	99.4	0.80	0.57	0.12	79	2.29	0.093
09-GBC-435	Till	0.94	63.39	7.77	104.5	106	115.7	16.6	662	3.53	10.7	0.5	3.2	2.9	51.8	0.42	0.63	0.15	76	0.66	0.103
09-GBC-436	Till	1.99	55.06	8.24	117.2	76	121.4	18.0	779	3.95	22.0	0.5	1.6	2.4	68.4	0.64	1.24	0.12	77	0.85	0.110
09-GBC-437	Till	0.94	51.69	8.72	102.4	60	117.0	19.0	807	3.49	10.0	0.5	5.5	3.0	55.4	0.36	0.65	0.13	70	0.65	0.097
09-GBC-438	Till	0.49	35.71	5.92	65.0	37	74.9	11.8	471	2.89	6.4	0.5	2.0	2.1	46.4	0.21	0.39	0.09	60	0.86	0.072
09-GBC-439	Till	0.79	40.69	7.05	85.4	71	85.7	15.8	695	2.98	7.7	0.5	3.8	2.5	75.5	0.64	0.43	0.11	62	1.93	0.090
09-GBC-440	Till	1.24	64.05	7.08	93.0	100	170.5	20.4	726	3.50	11.0	0.5	3.0	2.3	71.3	0.56	0.49	0.11	71	1.97	0.082
09-GBC-441 DUP of 09-GBC-459	Pulp DUP	1.01	50.28	8.51	69.5	70	89.6	10.6	365	3.25	17.9	0.5	5.9	2.0	44.2	0.20	0.71	0.12	69	0.58	0.080
09-GBC-442	Rock Pulp	1.39	106.04	5.76	75.2	96	39.9	23.9	955	4.53	12.5	0.9	4.5	1.4	56.5	0.32	0.20	0.14	134	1.31	0.082
09-GBC-443	Till	0.95	72.56	8.60	104.0	113	175.2	20.6	726	4.30	11.3	0.7	2.0	2.7	56.9	0.30	0.60	0.12	88	0.70	0.087
09-GBC-444	Till	1.42	56.51	8.51	111.4	157	129.0	25.4	977	3.45	9.7	0.6	1.7	2.4	115.1	1.01	0.61	0.11	75	3.58	0.105
09-GBC-445	Till	0.70	44.09	6.76	95.4	54	114.0	18.0	753	3.58	7.6	0.5	2.3	2.5	94.9	0.34	0.38	0.09	73	1.33	0.110
09-GBC-446	Till	0.75	53.56	8.65	93.8	105	154.4	23.6	920	3.94	8.5	1.0	2.8	3.3	172.8	0.35	0.36	0.11	81	0.78	0.139
09-GBC-447	Till	0.71	49.67	8.26	94.2	164	161.3	23.3	932	3.92	7.5	0.9	2.2	3.3	162.1	0.33	0.34	0.11	82	0.78	0.135
09-GBC-448	Till	0.71	60.91	9.63	100.2	276	96.5	14.1	537	3.80	8.5	0.7	3.6	3.1	65.7	0.11	0.41	0.16	75	0.46	0.067
09-GBC-449	Till	2.59	61.99	9.33	165.0	153	125.9	15.9	605	3.78	15.7	0.7	3.0	2.6	54.8	0.71	0.92	0.13	70	0.54	0.074
09-GBC-450	Till	1.02	42.64	6.49	101.3	94	80.4	10.8	463	3.13	8.8	0.6	0.7	2.5	51.0	0.28	0.50	0.09	60	0.50	0.087
09-GBC-451	Till	0.60	45.86	7.33	87.9	159	80.6	12.4	462	3.40	7.6	0.8	0.8	2.5	59.4	0.15	0.35	0.11	68	0.61	0.082
09-GBC-452	Till	1.05	50.31	8.76	99.8	139	102.6	22.9	763	3.21	9.5	0.6	17.8	2.8	76.0	0.60	0.54	0.13	68	1.66	0.080
09-GBC-453	Till	0.77	52.79	6.32	67.6	100	77.1	12.1	493	3.26	9.1	0.8	4.8	3.0	45.8	0.09	0.50	0.11	76	0.49	0.069
09-GBC-454	Till	1.70	70.54	9.42	125.0	216	124.2	24.5	845	3.61	12.5	0.6	1.6	2.8	102.6	0.85	0.56	0.14	80	2.83	0.083
09-GBC-455	Till	0.98	58.09	7.72	94.2	109	123.4	16.8	617	3.50	10.1	0.5	2.8	2.4	43.8	0.39	0.50	0.13	74	0.57	0.075
09-GBC-456	Till	1.03	60.70	8.69	103.5	104	106.7	17.1	684	3.57	11.2	0.5	1.9	2.8	49.4	0.35	0.58	0.14	73	0.63	0.086
09-GBC-457	Till	1.32	55.81	8.00	101.4	102	93.2	15.0	649	3.03	10.5	0.5	3.3	2.2	101.1	0.87	0.64	0.12	66	3.09	0.088
09-GBC-458	Till	0.92	47.56	6.73	80.9	80	180.4	17.4	654	3.15	9.7	0.6	3.2	2.2	32.0	0.38	0.51	0.11	55	0.46	0.074
09-GBC-459	Till	1.09	52.74	8.80	78.7	88	95.5	11.8	431	3.20	20.2	0.5	21.8	2.1	46.4	0.20	0.81	0.12	67	0.57	0.094
09-GBC-460	Till	1.59	63.27	9.19	113.7	138	116.9	23.2	892	3.48	13.0	0.6	2.9	2.5	97.8	0.94	0.64	0.13	76	3.61	0.095
09-GBC-461 DUP of 09-GBC-474	Pulp DUP	0.46	36.80	4.37	43.7	23	36.6	8.3	354	2.45	5.8	0.5	5.7	2.2	41.6	0.13	0.39	0.07	66	0.57	0.082

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	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
09-GBC-432	Till	12.7	52.7	0.90	156.9	0.090	<20	1.22	0.019	0.07	<0.1	6.2	0.15	<0.02	140	<0.1	0.04	3.5	0.66	<0.1	0.22
09-GBC-433	Till	12.1	80.0	1.46	251.7	0.090	<20	1.83	0.017	0.13	<0.1	8.2	0.26	<0.02	194	<0.1	0.03	5.7	1.03	<0.1	0.15
09-GBC-434	Till	13.1	94.1	1.32	250.7	0.099	<20	1.80	0.024	0.12	<0.1	8.6	0.31	<0.02	252	0.2	0.02	5.2	0.99	<0.1	0.16
09-GBC-435	Till	13.8	78.4	1.07	247.9	0.096	<20	1.71	0.016	0.10	<0.1	8.2	0.23	<0.02	188	0.2	<0.02	4.9	0.95	<0.1	0.21
09-GBC-436	Till	13.7	70.2	1.07	257.4	0.067	<20	1.67	0.015	0.09	<0.1	9.9	0.33	<0.02	427	0.5	0.03	4.1	0.76	<0.1	0.13
09-GBC-437	Till	14.1	75.9	1.15	235.1	0.091	<20	1.64	0.017	0.09	<0.1	8.4	0.23	<0.02	224	0.3	0.03	4.8	0.97	<0.1	0.18
09-GBC-438	Till	10.8	64.3	1.11	178.6	0.069	<20	1.38	0.017	0.07	<0.1	6.1	0.12	<0.02	100	<0.1	0.03	3.7	0.65	<0.1	0.11
09-GBC-439	Till	12.8	62.6	1.12	194.8	0.088	<20	1.36	0.017	0.09	<0.1	6.7	0.17	<0.02	151	<0.1	<0.02	3.7	0.80	<0.1	0.16
09-GBC-440	Till	10.6	90.3	1.60	230.1	0.111	<20	1.54	0.021	0.10	<0.1	7.8	0.22	<0.02	454	0.2	0.04	4.6	0.78	<0.1	0.14
09-GBC-441 DUP of 09-GBC-459	Pulp DUP	11.9	79.7	0.76	176.7	0.083	<20	1.26	0.015	0.06	<0.1	7.2	0.15	<0.02	250	0.3	0.10	3.4	0.47	<0.1	0.13
09-GBC-442	Rock Pulp	6.5	51.3	1.13	65.7	0.240	<20	2.76	0.031	0.05	0.2	7.3	0.06	0.16	88	0.9	0.08	7.1	0.54	<0.1	0.17
09-GBC-443	Till	15.3	103.0	1.26	245.3	0.102	<20	2.02	0.021	0.10	<0.1	10.6	0.23	<0.02	372	0.3	0.02	5.3	0.98	<0.1	0.19
09-GBC-444	Till	12.8	72.5	1.40	310.1	0.102	<20	1.58	0.023	0.11	<0.1	8.3	0.35	<0.02	270	0.4	0.03	4.7	0.91	<0.1	0.15
09-GBC-445	Till	15.6	66.5	1.34	216.2	0.106	<20	1.91	0.038	0.10	<0.1	8.0	0.20	<0.02	146	0.3	0.02	5.1	0.82	<0.1	0.12
09-GBC-446	Till	25.9	90.7	1.27	245.8	0.120	<20	2.04	0.021	0.13	<0.1	10.5	0.24	<0.02	145	0.3	0.04	6.1	1.02	0.1	0.10
09-GBC-447	Till	26.4	88.9	1.29	245.3	0.106	<20	2.02	0.021	0.13	<0.1	10.2	0.22	<0.02	147	0.3	0.03	5.3	0.96	<0.1	0.09
09-GBC-448	Till	20.0	91.5	1.12	292.1	0.084	<20	2.14	0.018	0.11	<0.1	9.8	0.17	<0.02	106	0.4	0.03	6.3	1.09	<0.1	0.13
09-GBC-449	Till	13.6	85.6	1.03	266.2	0.065	<20	1.58	0.012	0.09	<0.1	9.1	0.44	<0.02	153	0.5	0.04	4.7	0.76	<0.1	0.08
09-GBC-450	Till	13.8	65.1	0.76	153.4	0.084	<20	1.42	0.010	0.09	<0.1	7.3	0.25	<0.02	145	<0.1	0.02	4.5	0.70	<0.1	0.15
09-GBC-451	Till	15.3	69.3	1.02	232.4	0.080	<20	1.86	0.018	0.08	<0.1	8.5	0.16	<0.02	679	<0.1	0.02	5.4	0.84	<0.1	0.14
09-GBC-452	Till	13.3	79.1	1.20	226.2	0.091	<20	1.62	0.017	0.11	<0.1	8.2	0.20	<0.02	183	0.3	<0.02	4.9	0.94	<0.1	0.20
09-GBC-453	Till	15.5	84.1	0.88	251.6	0.107	<20	1.77	0.015	0.07	<0.1	9.2	0.15	<0.02	245	0.4	0.02	5.1	0.75	<0.1	0.17
09-GBC-454	Till	12.4	98.7	1.59	373.6	0.089	<20	1.89	0.018	0.12	<0.1	9.3	0.30	<0.02	248	0.1	0.06	5.8	1.24	<0.1	0.19
09-GBC-455	Till	11.7	89.9	1.26	247.1	0.082	<20	1.75	0.014	0.11	<0.1	8.0	0.24	<0.02	143	0.2	0.04	5.1	1.05	<0.1	0.12
09-GBC-456	Till	13.2	87.6	1.34	249.1	0.086	<20	1.77	0.015	0.10	<0.1	8.5	0.22	<0.02	156	<0.1	0.03	5.3	1.11	<0.1	0.23
09-GBC-457	Till	11.3	73.5	1.18	225.9	0.084	<20	1.37	0.016	0.09	<0.1	6.4	0.23	<0.02	166	0.3	0.03	4.0	0.83	<0.1	0.19
09-GBC-458	Till	12.1	120.5	1.26	234.1	0.069	<20	1.27	0.012	0.08	<0.1	6.4	0.16	<0.02	149	0.2	0.03	3.8	0.58	<0.1	0.12
09-GBC-459	Till	13.2	82.8	0.74	186.0	0.095	<20	1.21	0.014	0.05	<0.1	7.1	0.18	<0.02	235	0.4	0.11	3.7	0.52	<0.1	0.14
09-GBC-460	Till	11.9	79.9	1.34	249.5	0.088	<20	1.61	0.017	0.11	<0.1	8.5	0.33	<0.02	217	0.2	0.06	5.0	1.11	<0.1	0.17
09-GBC-461 DUP of 09-GBC-474	Pulp DUP	13.0	46.4	0.58	166.8	0.101	<20	1.34	0.016	0.06	<0.1	6.5	0.09	<0.02	99	<0.1	<0.02	4.0	0.51	<0.1	0.12

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002941A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%	%	%	%	%	%
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01
09-GBC-432	Till	0.05	4.3	0.3	<0.05	7.6	9.92	25.5	0.02	<1	0.5	7.2	<10	<2	68.94	11.83	5.19	2.36	2.31	2.68	1.46
09-GBC-433	Till	0.04	7.5	0.8	<0.05	6.3	10.47	24.7	0.04	2	0.5	13.0	14	3	59.71	13.20	6.61	3.45	4.02	2.16	1.70
09-GBC-434	Till	0.06	7.4	1.2	<0.05	7.6	12.57	26.2	0.04	1	0.6	11.6	<10	<2	59.80	12.46	6.58	3.21	4.74	2.22	1.54
09-GBC-435	Till	0.06	6.3	0.5	<0.05	8.4	12.75	26.9	0.02	<1	0.6	12.9	<10	<2	64.93	13.04	6.23	2.66	2.13	2.37	1.60
09-GBC-436	Till	0.06	5.7	0.4	<0.05	7.6	13.63	26.2	0.04	1	0.4	9.6	<10	<2	62.13	13.58	7.04	2.63	2.22	2.11	1.67
09-GBC-437	Till	0.05	6.5	0.4	<0.05	8.6	12.26	27.6	0.03	2	0.3	12.6	<10	2	64.73	13.02	6.37	2.78	2.19	2.37	1.55
09-GBC-438	Till	0.05	4.2	0.2	<0.05	4.9	8.90	21.2	<0.02	<1	0.5	9.5	<10	<2	66.80	12.23	5.35	2.72	2.60	2.53	1.46
09-GBC-439	Till	0.04	5.3	0.3	<0.05	6.6	10.50	25.4	0.03	<1	0.3	11.1	<10	3	63.98	12.13	5.60	2.72	4.19	2.42	1.52
09-GBC-440	Till	0.05	5.8	0.2	<0.05	6.4	10.01	21.4	0.03	<1	0.3	9.9	<10	<2	61.21	11.61	6.58	4.04	4.45	2.15	1.44
09-GBC-441 DUP of 09-GBC-459	Pulp DUP	0.07	3.2	0.5	<0.05	7.0	12.04	19.8	0.03	<1	0.5	6.4	<10	3	67.21	11.96	6.07	2.16	2.66	2.67	1.41
09-GBC-442	Rock Pulp	0.99	2.9	0.4	<0.05	6.1	10.11	15.0	0.04	<1	0.3	8.4	<10	<2	45.39	13.69	10.80	4.26	6.50	2.00	0.72
09-GBC-443	Till	0.05	6.6	0.5	<0.05	10.8	16.26	27.4	0.05	1	0.7	11.5	14	<2	60.62	13.32	7.62	3.00	2.23	2.18	1.55
09-GBC-444	Till	0.08	6.8	0.5	<0.05	8.3	11.71	25.1	0.04	1	0.5	12.0	<10	<2	57.56	11.86	6.21	3.21	6.52	2.16	1.48
09-GBC-445	Till	0.05	5.8	0.4	<0.05	7.1	11.17	29.2	0.02	<1	0.6	10.8	<10	<2	61.34	13.17	6.50	3.24	3.45	2.27	1.51
09-GBC-446	Till	0.08	8.0	0.6	<0.05	8.4	21.61	50.1	0.04	<1	0.6	11.4	<10	<2	60.35	13.88	7.22	3.01	2.45	2.27	1.84
09-GBC-447	Till	0.07	7.5	0.5	<0.05	7.9	21.11	49.1	0.03	2	0.6	10.5	<10	<2	60.69	13.81	7.17	3.00	2.43	2.28	1.83
09-GBC-448	Till	0.11	7.9	0.6	<0.05	7.3	17.87	31.7	0.04	<1	0.8	14.4	<10	<2	61.25	14.78	6.68	2.70	1.54	2.02	1.73
09-GBC-449	Till	0.21	6.7	0.4	<0.05	4.3	14.01	23.3	0.04	2	0.7	11.9	<10	<2	63.70	13.37	6.62	2.58	1.73	2.31	1.67
09-GBC-450	Till	0.18	5.6	0.3	<0.05	7.1	10.95	26.9	0.03	<1	0.4	9.3	<10	<2	66.81	12.83	5.70	2.12	1.86	2.55	1.62
09-GBC-451	Till	0.15	6.0	0.5	<0.05	7.4	14.59	23.9	0.03	<1	0.8	11.4	<10	<2	64.26	13.57	5.94	2.45	1.84	2.28	1.58
09-GBC-452	Till	0.07	7.2	0.6	<0.05	8.0	10.96	26.2	0.04	3	0.4	10.5	<10	<2	62.08	12.96	6.00	2.90	3.83	2.37	1.64
09-GBC-453	Till	0.19	5.7	0.5	<0.05	7.9	14.63	25.3	0.04	<1	0.5	11.1	<10	2	64.36	13.63	6.00	2.36	2.06	2.51	1.68
09-GBC-454	Till	0.06	8.7	0.6	<0.05	7.8	11.96	25.8	0.02	5	0.9	14.2	<10	<2	56.50	13.25	6.58	3.80	5.27	1.98	1.73
09-GBC-455	Till	0.08	7.7	0.4	<0.05	5.7	10.81	21.9	0.04	<1	0.4	11.8	11	2	63.33	13.34	6.43	3.14	1.93	2.16	1.73
09-GBC-456	Till	0.07	6.9	0.6	<0.05	8.4	11.49	25.0	0.04	<1	0.4	12.8	<10	<2	63.14	13.61	6.43	3.24	2.03	2.22	1.71
09-GBC-457	Till	0.08	5.7	0.8	<0.05	8.5	10.12	22.3	0.02	1	0.5	9.5	<10	4	60.55	11.93	5.62	2.98	5.95	2.25	1.55
09-GBC-458	Till	0.07	4.5	0.4	<0.05	5.3	10.75	23.0	<0.02	<1	0.2	8.9	<10	<2	67.75	11.38	5.81	3.22	1.92	2.24	1.37
09-GBC-459	Till	0.08	3.5	0.2	<0.05	7.4	12.67	22.2	0.03	<1	0.4	7.0	<10	3	67.46	11.87	6.05	2.17	2.62	2.59	1.36
09-GBC-460	Till	0.07	7.4	0.8	<0.05	7.6	11.34	24.1	0.04	<1	0.8	12.4	12	<2	57.46	12.33	6.19	3.17	6.47	2.16	1.54
09-GBC-461 DUP of 09-GBC-474	Pulp DUP	0.10	3.9	0.2	<0.05	6.3	10.40	23.3	<0.02	<1	0.4	7.4	<10	<2	69.09	12.44	4.67	1.76	2.46	2.86	1.73

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002941A.2

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
	Analyte	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
	Unit	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	MDL	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3	5	1	-5.1	0.01	0.02	0.02
09-GBC-432	Till	0.80	0.24	0.10	0.024	45	869	85	93	<20	302	135	37	22	10	14	3.9	99.95	0.15	<0.02
09-GBC-433	Till	0.76	0.23	0.17	0.026	69	1023	124	141	31	299	127	37	21	13	17	7.7	99.92	0.95	<0.02
09-GBC-434	Till	0.75	0.25	0.17	0.030	62	983	116	156	34	330	127	40	22	9	17	8.0	99.93	0.88	<0.02
09-GBC-435	Till	0.79	0.24	0.11	0.027	65	1050	124	136	21	292	122	40	23	8	17	5.6	99.93	0.34	<0.02
09-GBC-436	Till	0.82	0.27	0.13	0.030	64	1078	138	143	25	283	142	40	25	12	18	7.1	99.91	0.51	<0.02
09-GBC-437	Till	0.83	0.23	0.12	0.030	53	948	111	134	22	267	144	41	23	7	16	5.5	99.93	0.27	<0.02
09-GBC-438	Till	0.79	0.21	0.09	0.029	40	861	85	99	<20	266	138	40	22	8	15	5.0	99.93	0.33	<0.02
09-GBC-439	Till	0.80	0.23	0.12	0.027	42	901	96	116	<20	303	132	51	20	<5	14	6.0	99.93	0.70	<0.02
09-GBC-440	Till	0.84	0.22	0.12	0.042	70	997	113	198	30	269	132	34	20	13	16	7.0	99.91	0.68	<0.02
09-GBC-441 DUP of 09-GBC-459	Pulp DUP	0.80	0.23	0.09	0.042	59	895	94	114	<20	321	162	34	24	9	16	4.4	99.95	0.21	<0.02
09-GBC-442	Rock Pulp	1.32	0.19	0.21	0.026	104	267	102	63	38	265	288	<30	26	12	29	14.6	99.88	4.50	0.13
09-GBC-443	Till	0.83	0.22	0.12	0.033	72	1012	127	191	25	282	140	43	27	11	19	8.0	99.93	0.49	<0.02
09-GBC-444	Till	0.78	0.25	0.15	0.029	60	1024	131	144	36	348	133	37	21	7	16	9.5	99.92	1.50	<0.02
09-GBC-445	Till	0.89	0.28	0.12	0.029	48	957	108	131	24	338	149	44	22	10	16	6.9	99.92	0.44	<0.02
09-GBC-446	Till	0.93	0.35	0.14	0.033	53	1084	107	175	28	429	174	65	31	14	18	7.2	99.93	0.32	<0.02
09-GBC-447	Till	0.94	0.34	0.14	0.032	52	1085	107	175	27	429	167	70	31	13	18	7.0	99.92	0.35	<0.02
09-GBC-448	Till	0.89	0.17	0.08	0.028	57	1059	110	158	21	249	138	46	28	7	18	7.8	99.92	0.58	<0.02
09-GBC-449	Till	0.77	0.20	0.09	0.031	66	1115	175	149	22	234	147	<30	24	10	17	6.7	99.94	0.61	<0.02
09-GBC-450	Till	0.85	0.20	0.08	0.029	54	919	108	99	<20	271	150	36	24	10	16	5.1	99.96	0.41	<0.02
09-GBC-451	Till	0.84	0.21	0.08	0.024	43	967	93	101	<20	258	141	39	25	<5	16	6.7	99.93	0.57	<0.02
09-GBC-452	Till	0.78	0.20	0.12	0.027	53	907	107	119	24	304	165	35	22	8	16	6.8	99.93	0.76	<0.02
09-GBC-453	Till	0.80	0.19	0.09	0.030	53	1039	82	91	<20	307	153	32	25	6	17	6.1	99.94	0.46	<0.02
09-GBC-454	Till	0.75	0.21	0.12	0.030	67	1185	131	146	25	289	120	39	20	6	17	9.5	99.91	1.26	<0.02
09-GBC-455	Till	0.78	0.20	0.11	0.032	67	1136	117	145	23	252	134	<30	22	7	17	6.5	99.91	0.36	<0.02
09-GBC-456	Till	0.77	0.21	0.11	0.027	63	1063	114	125	<20	252	133	43	23	9	17	6.2	99.93	0.32	<0.02
09-GBC-457	Till	0.73	0.21	0.11	0.029	56	976	110	105	<20	331	130	<30	20	6	15	7.8	99.93	1.17	<0.02
09-GBC-458	Till	0.77	0.20	0.11	0.048	49	947	95	203	23	226	146	37	23	6	15	4.9	99.95	0.33	<0.02
09-GBC-459	Till	0.79	0.22	0.08	0.042	56	887	90	115	<20	315	163	<30	24	6	16	4.5	99.95	0.21	<0.02
09-GBC-460	Till	0.72	0.22	0.13	0.026	65	955	121	139	24	298	121	<30	21	6	16	9.3	99.93	1.38	<0.02
09-GBC-461 DUP of 09-GBC-474	Pulp DUP	0.73	0.22	0.07	0.020	40	1000	55	53	<20	376	128	<30	21	8	14	3.7	99.96	0.19	<0.02

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Project: BG_RE_01
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CERTIFICATE OF ANALYSIS VAN19002941A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
09-GBC-462	Rock Pulp	11.66	160.25	6.78	47.3	80	12.0	10.5	359	4.19	5.8	0.4	27.5	1.0	49.9	0.21	0.12	0.51	92	0.69	0.051
09-GBC-463	Till	1.39	59.65	8.16	105.3	106	148.7	18.8	669	3.70	12.7	0.5	2.2	2.4	47.2	0.66	0.61	0.13	75	0.81	0.073
09-GBC-464	Till	1.28	60.43	8.41	97.4	102	133.1	19.5	700	3.29	11.6	0.5	2.0	2.1	97.2	0.83	0.59	0.12	65	4.10	0.081
09-GBC-465	Till	0.81	46.23	7.36	84.9	63	102.1	15.7	733	3.21	9.0	0.5	2.8	2.3	45.3	0.38	0.46	0.10	63	0.59	0.086
09-GBC-466	Till	0.92	47.68	7.75	88.1	55	101.7	15.6	752	3.24	9.0	0.5	2.9	2.5	46.0	0.41	0.48	0.10	61	0.60	0.090
09-GBC-467	Till	1.11	58.80	7.37	107.6	64	239.8	20.0	666	3.62	14.6	0.5	2.4	2.5	57.2	0.38	0.52	0.12	69	1.10	0.084
09-GBC-468	Till	2.33	68.81	8.93	116.4	136	189.7	22.3	753	3.98	15.8	0.6	4.9	2.5	45.0	0.58	0.83	0.14	79	0.64	0.081
09-GBC-469	Till	1.52	54.45	9.09	100.5	75	173.1	23.3	701	3.26	12.5	0.5	1.8	2.3	95.3	0.88	0.49	0.13	63	2.48	0.080
09-GBC-470	Till	0.65	36.13	6.62	50.7	44	40.2	8.7	369	2.45	5.4	0.6	1.8	3.5	42.1	0.15	0.34	0.09	62	0.60	0.089
09-GBC-471	Till	1.44	99.86	6.80	88.2	173	55.4	18.2	950	3.50	11.0	0.5	1.5	2.5	53.6	0.48	0.56	0.14	97	1.06	0.106
09-GBC-472	Till	0.99	66.92	6.26	79.6	110	54.4	17.4	868	3.45	9.6	0.5	1.7	2.6	51.3	0.40	0.46	0.11	93	0.70	0.100
09-GBC-473	Till	1.04	71.16	6.21	81.6	159	53.9	17.6	814	3.49	10.0	0.5	2.6	2.5	49.4	0.36	0.41	0.10	97	0.82	0.107
09-GBC-474	Till	0.54	37.04	4.19	47.0	21	38.5	8.6	378	2.38	6.4	0.5	2.4	2.1	38.1	0.12	0.35	0.07	65	0.57	0.081
09-GBC-475	Till	0.88	51.54	5.79	71.8	116	59.9	16.3	769	2.95	8.9	0.5	5.8	2.5	71.2	0.47	0.42	0.09	76	2.00	0.093
09-GBC-476	Till	0.93	66.43	5.51	68.6	133	46.1	14.5	721	3.19	10.2	0.5	2.2	2.3	51.1	0.28	0.47	0.10	91	0.74	0.100
09-GBC-477	Till	0.66	28.24	11.17	54.8	39	25.1	8.8	386	2.37	3.6	1.5	1.5	7.2	19.0	0.15	0.18	0.38	52	0.26	0.062
09-GBC-478	Till	0.67	44.54	11.68	71.2	51	36.2	13.1	555	3.24	5.3	1.3	1.2	8.5	39.0	0.14	0.24	0.30	69	0.48	0.080
09-GBC-479	Till	0.80	39.88	13.11	69.4	53	37.6	13.0	576	3.24	5.3	1.3	1.6	8.3	32.0	0.14	0.21	0.28	68	0.44	0.084
09-GBC-480	Till	0.88	42.58	12.99	79.9	108	41.4	12.9	504	3.43	5.4	1.6	9.6	8.1	30.6	0.17	0.21	0.29	69	0.41	0.073
09-GBC-481 DUP of 09-GBC-491	Pulp DUP	0.78	41.05	7.03	73.5	68	75.2	12.8	541	2.84	7.9	0.4	1.5	1.9	35.3	0.27	0.44	0.08	65	0.48	0.065
09-GBC-482	Rock Pulp	0.77	70.29	9.17	74.6	102	38.7	14.7	329	3.69	7.0	0.7	5.7	7.4	23.3	0.10	0.21	0.19	50	0.23	0.059
09-GBC-483	Till	0.69	25.39	7.18	46.8	56	29.4	9.4	419	2.21	3.9	0.8	3.0	5.8	27.9	0.20	0.25	0.18	52	0.44	0.089
09-GBC-484	Till	0.89	40.51	12.81	68.2	34	38.4	11.3	457	3.04	4.8	1.8	1.2	9.0	35.3	0.11	0.22	0.32	62	0.45	0.087
09-GBC-485	Till	1.27	50.01	17.80	85.1	135	43.3	15.4	645	3.37	4.8	1.7	1.6	7.2	32.3	0.26	0.25	0.70	68	0.45	0.082
09-GBC-486	Till	1.25	49.66	18.00	85.8	103	42.8	15.1	648	3.37	4.7	1.7	1.6	7.4	32.4	0.26	0.23	0.69	68	0.44	0.081
09-GBC-487	Till	1.07	53.87	13.50	89.7	149	51.1	20.0	941	3.85	6.3	1.8	1.6	8.1	39.5	0.25	0.22	0.36	81	0.54	0.091
09-GBC-488	Till	0.95	54.74	9.92	81.1	83	60.1	16.3	748	3.47	8.7	0.8	2.3	5.5	44.4	0.25	0.39	0.31	83	0.59	0.090
09-GBC-489	Till	1.40	62.53	13.85	87.5	272	69.8	25.8	1483	3.41	8.9	1.1	1.8	4.5	65.5	0.66	0.41	0.26	78	1.78	0.095
09-GBC-490	Till	0.78	55.45	7.70	72.4	109	45.4	14.6	623	3.25	6.2	0.6	1.4	3.3	48.3	0.25	0.38	0.13	86	0.71	0.093
09-GBC-491	Till	0.81	41.81	7.11	75.4	69	76.9	13.1	553	2.90	7.9	0.5	2.5	2.0	36.0	0.27	0.44	0.08	67	0.49	0.066

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002941A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
09-GBC-462	Rock Pulp	4.4	18.8	0.69	51.0	0.128	<20	1.96	0.021	0.04	<0.1	5.4	0.03	0.58	17	3.0	0.47	5.6	0.32	<0.1	0.16
09-GBC-463	Till	12.4	92.9	1.48	222.0	0.086	<20	1.67	0.014	0.10	<0.1	7.7	0.26	<0.02	213	<0.1	0.04	4.8	0.88	<0.1	0.16
09-GBC-464	Till	11.7	102.4	1.39	274.1	0.079	<20	1.46	0.016	0.09	<0.1	6.4	0.28	<0.02	275	0.2	0.05	4.1	0.83	<0.1	0.13
09-GBC-465	Till	12.3	75.3	1.05	209.8	0.090	<20	1.47	0.014	0.08	<0.1	6.8	0.18	<0.02	115	<0.1	0.02	4.3	0.83	<0.1	0.13
09-GBC-466	Till	13.2	71.1	1.04	210.9	0.084	<20	1.46	0.014	0.08	<0.1	7.1	0.19	<0.02	112	<0.1	0.03	4.4	0.84	0.1	0.16
09-GBC-467	Till	10.8	124.1	1.95	267.4	0.075	<20	1.71	0.015	0.10	<0.1	8.0	0.25	<0.02	134	<0.1	0.04	5.0	0.82	<0.1	0.15
09-GBC-468	Till	12.6	113.4	1.63	251.2	0.083	<20	1.68	0.016	0.10	<0.1	8.3	0.33	<0.02	203	0.6	0.04	5.2	0.89	<0.1	0.14
09-GBC-469	Till	10.9	99.5	1.71	246.9	0.087	<20	1.44	0.016	0.10	<0.1	6.9	0.28	<0.02	178	0.5	0.06	4.4	0.84	<0.1	0.18
09-GBC-470	Till	15.3	42.8	0.58	137.7	0.102	<20	1.18	0.021	0.07	<0.1	5.2	0.09	<0.02	93	0.2	0.02	4.1	0.78	<0.1	0.19
09-GBC-471	Till	12.3	51.1	1.09	231.1	0.129	<20	1.88	0.031	0.19	<0.1	7.9	0.20	<0.02	117	0.4	0.04	6.5	1.23	<0.1	0.15
09-GBC-472	Till	13.2	57.6	0.87	239.8	0.127	<20	1.90	0.024	0.15	<0.1	8.8	0.15	<0.02	129	0.3	0.04	6.2	0.95	<0.1	0.15
09-GBC-473	Till	12.5	55.5	0.99	227.6	0.127	<20	1.90	0.028	0.15	<0.1	8.6	0.15	<0.02	137	0.3	0.05	6.5	1.03	<0.1	0.11
09-GBC-474	Till	12.8	46.3	0.57	180.1	0.110	<20	1.32	0.017	0.06	<0.1	6.5	0.09	<0.02	121	0.2	0.02	4.1	0.55	<0.1	0.15
09-GBC-475	Till	11.8	52.5	0.97	216.4	0.109	<20	1.54	0.026	0.12	<0.1	6.8	0.15	<0.02	148	0.3	0.03	5.0	0.86	<0.1	0.11
09-GBC-476	Till	11.8	53.2	0.87	218.6	0.125	<20	1.71	0.026	0.13	<0.1	8.4	0.14	<0.02	144	0.2	0.04	5.8	0.86	<0.1	0.13
09-GBC-477	Till	23.0	36.3	0.52	104.7	0.103	<20	1.58	0.007	0.17	0.2	4.8	0.20	<0.02	90	0.3	0.03	5.6	1.85	<0.1	0.03
09-GBC-478	Till	21.4	47.8	0.81	149.4	0.117	<20	1.87	0.019	0.24	1.0	6.5	0.23	<0.02	56	0.2	0.03	7.1	2.31	<0.1	0.15
09-GBC-479	Till	21.3	48.2	0.75	156.9	0.120	<20	1.97	0.014	0.21	0.3	6.9	0.23	<0.02	46	0.3	0.03	7.1	2.19	<0.1	0.16
09-GBC-480	Till	26.0	51.7	0.85	153.5	0.099	<20	2.22	0.014	0.20	0.1	6.6	0.20	<0.02	63	0.3	0.04	8.1	2.99	<0.1	0.04
09-GBC-481 DUP of 09-GBC-491	Pulp DUP	12.0	56.6	0.68	169.6	0.092	<20	1.37	0.013	0.07	<0.1	6.6	0.15	<0.02	108	0.3	0.02	4.4	0.68	<0.1	0.09
09-GBC-482	Rock Pulp	24.4	45.5	0.85	51.1	0.063	<20	2.01	0.007	0.11	<0.1	4.3	0.12	<0.02	62	0.4	0.06	5.6	0.96	<0.1	<0.02
09-GBC-483	Till	17.6	32.3	0.43	92.7	0.085	<20	1.03	0.013	0.09	0.1	4.2	0.09	<0.02	53	0.2	<0.02	3.8	0.86	<0.1	0.17
09-GBC-484	Till	20.8	47.1	0.70	162.5	0.118	<20	1.75	0.012	0.22	0.5	6.3	0.26	<0.02	50	0.2	0.04	6.7	2.60	<0.1	0.20
09-GBC-485	Till	17.5	47.8	0.82	159.6	0.149	<20	1.93	0.016	0.51	0.5	7.2	0.46	<0.02	67	0.2	0.05	7.2	3.73	<0.1	0.21
09-GBC-486	Till	17.6	46.5	0.82	159.1	0.151	<20	1.93	0.016	0.51	0.4	7.3	0.44	<0.02	56	0.1	0.04	7.2	3.63	<0.1	0.24
09-GBC-487	Till	19.9	57.5	1.02	204.4	0.133	<20	2.39	0.018	0.27	0.3	8.3	0.25	<0.02	81	0.3	0.04	8.5	2.74	<0.1	0.17
09-GBC-488	Till	17.2	59.3	0.84	220.5	0.115	<20	1.94	0.021	0.14	0.1	8.2	0.19	<0.02	118	0.3	0.04	6.5	1.50	<0.1	0.17
09-GBC-489	Till	15.9	55.5	0.99	241.8	0.108	<20	1.94	0.021	0.19	1.8	7.9	0.21	<0.02	103	0.4	0.05	6.4	1.63	<0.1	0.15
09-GBC-490	Till	13.7	51.8	0.83	213.1	0.132	<20	1.83	0.028	0.13	<0.1	8.2	0.16	<0.02	96	0.3	0.03	6.3	1.07	<0.1	0.14
09-GBC-491	Till	12.2	57.6	0.70	174.2	0.095	<20	1.41	0.014	0.07	<0.1	6.7	0.15	<0.02	135	0.3	0.03	4.5	0.72	<0.1	0.09

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3890 Trailhead Drive
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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002941A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%	%	%	%	%	%
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01
09-GBC-462	Rock Pulp	0.29	1.6	0.5	<0.05	5.1	5.60	8.6	0.08	9	0.2	4.2	<10	<2	60.12	14.83	8.14	2.19	4.02	2.24	1.14
09-GBC-463	Till	0.05	5.9	0.3	<0.05	6.8	11.41	23.1	0.03	<1	0.3	10.6	<10	<2	63.03	12.63	6.67	3.58	2.36	2.20	1.58
09-GBC-464	Till	0.13	6.0	0.2	<0.05	5.4	10.41	21.9	0.03	1	0.3	9.6	10	<2	57.33	11.45	5.89	3.40	7.15	1.96	1.43
09-GBC-465	Till	0.08	5.5	0.4	<0.05	5.6	10.46	24.5	0.03	<1	0.3	10.5	<10	<2	66.67	12.72	5.79	2.65	1.98	2.38	1.49
09-GBC-466	Till	0.06	5.6	0.3	<0.05	6.3	11.41	26.3	0.03	<1	0.3	10.5	<10	<2	66.58	12.73	5.86	2.65	1.99	2.40	1.53
09-GBC-467	Till	0.04	6.3	0.4	<0.05	6.1	9.88	20.9	0.03	1	0.5	12.4	<10	2	60.85	12.88	6.64	4.60	2.73	1.99	1.64
09-GBC-468	Till	0.08	6.5	0.4	<0.05	7.1	12.89	22.4	0.03	<1	0.5	11.7	<10	<2	62.18	12.61	7.17	3.92	2.04	2.09	1.71
09-GBC-469	Till	0.04	6.0	0.7	<0.05	7.9	9.63	21.2	0.03	<1	0.4	10.3	<10	<2	60.79	11.48	6.06	4.06	4.93	2.16	1.53
09-GBC-470	Till	0.07	5.4	0.4	<0.05	8.6	9.96	27.3	<0.02	<1	0.4	8.7	<10	<2	68.71	12.70	4.80	1.76	2.66	2.84	1.92
09-GBC-471	Till	0.03	12.7	0.5	<0.05	7.9	10.96	23.2	0.03	<1	0.5	12.1	<10	2	62.66	13.64	6.44	2.73	3.23	2.76	2.27
09-GBC-472	Till	0.08	9.8	0.4	<0.05	8.3	11.30	24.3	0.03	<1	0.5	11.8	<10	<2	64.21	13.62	6.17	2.22	2.48	2.70	2.11
09-GBC-473	Till	0.03	9.8	0.5	<0.05	6.2	11.13	23.3	0.03	<1	0.5	13.1	<10	<2	63.55	13.68	6.31	2.54	2.79	2.75	2.16
09-GBC-474	Till	0.11	4.1	0.2	<0.05	7.0	10.81	22.7	<0.02	<1	0.4	7.2	<10	<2	69.24	12.44	4.67	1.76	2.46	2.93	1.79
09-GBC-475	Till	0.02	7.9	0.4	<0.05	5.7	9.76	22.9	0.02	<1	0.4	10.3	<10	<2	63.73	12.45	5.44	2.49	4.54	2.64	1.87
09-GBC-476	Till	0.03	8.4	0.3	<0.05	7.2	10.89	21.5	0.02	<1	0.5	11.0	<10	<2	64.90	13.49	5.81	2.26	2.65	2.91	2.21
09-GBC-477	Till	0.95	19.3	0.7	<0.05	1.7	10.39	44.2	0.03	<1	0.6	15.6	<10	<2	68.03	13.99	4.46	1.40	1.61	2.40	2.81
09-GBC-478	Till	0.10	23.5	0.8	<0.05	6.6	11.30	38.9	0.03	<1	0.7	22.7	<10	<2	64.05	15.00	5.84	1.95	1.94	2.40	3.04
09-GBC-479	Till	0.14	22.3	1.0	<0.05	7.7	11.50	40.2	0.03	<1	0.8	20.3	<10	<2	64.61	14.85	5.77	1.81	1.90	2.36	2.73
09-GBC-480	Till	0.49	23.1	0.7	<0.05	2.6	15.64	44.9	0.03	<1	0.9	32.1	<10	<2	62.50	15.14	6.16	2.00	1.63	2.11	2.80
09-GBC-481 DUP of 09-GBC-491	Pulp DUP	0.06	5.6	0.3	<0.05	4.7	12.67	20.6	0.02	<1	0.4	9.4	<10	<2	68.46	12.30	5.39	1.90	1.99	2.70	1.50
09-GBC-482	Rock Pulp	0.30	11.5	0.2	<0.05	1.0	5.62	56.4	<0.02	<1	0.4	29.3	<10	<2	62.26	16.26	6.72	2.15	1.26	1.72	2.87
09-GBC-483	Till	0.04	8.2	0.3	<0.05	6.5	8.62	34.6	<0.02	<1	0.4	9.8	<10	<2	70.16	12.54	4.51	1.38	2.34	2.65	2.41
09-GBC-484	Till	0.14	24.9	1.2	<0.05	7.8	12.32	38.4	0.03	<1	0.7	18.7	<10	<2	64.86	14.63	5.59	1.74	1.95	2.46	2.92
09-GBC-485	Till	0.12	47.1	1.1	<0.05	8.0	10.15	35.3	0.05	<1	0.7	21.9	<10	<2	64.49	14.82	6.04	1.95	1.97	2.31	3.01
09-GBC-486	Till	0.10	45.8	1.1	<0.05	8.3	10.17	35.6	0.05	<1	0.7	22.0	<10	<2	64.11	14.96	6.10	1.96	1.96	2.31	3.02
09-GBC-487	Till	0.07	26.5	0.8	<0.05	8.2	12.46	41.0	0.04	<1	0.8	25.3	<10	<2	60.94	15.78	6.79	2.34	2.03	2.25	2.86
09-GBC-488	Till	0.06	13.2	0.7	<0.05	8.8	12.83	32.2	0.03	<1	0.6	14.9	<10	<2	62.87	14.49	6.45	2.14	2.23	2.53	2.21
09-GBC-489	Till	0.05	16.1	0.9	<0.05	8.3	12.01	34.9	0.03	<1	0.6	15.8	<10	<2	60.33	14.09	6.38	2.50	4.10	2.23	2.27
09-GBC-490	Till	0.03	10.8	0.5	<0.05	7.4	10.87	25.2	0.03	<1	0.5	13.6	<10	<2	64.48	13.73	5.95	2.18	2.53	2.67	2.24
09-GBC-491	Till	0.06	5.7	0.3	<0.05	4.9	13.03	21.3	0.02	<1	0.4	9.6	<10	<2	68.27	12.26	5.32	1.89	1.98	2.68	1.49

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Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002941A.2

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
	Analyte	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
	Unit	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	MDL	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3	5	1	-5.1	0.01	0.02	0.02
09-GBC-462	Rock Pulp	0.93	0.15	0.10	0.007	189	451	70	<20	<20	320	127	<30	19	9	20	5.9	99.94	0.59	0.58
09-GBC-463	Till	0.77	0.21	0.11	0.034	65	971	122	165	23	251	131	34	23	6	17	6.5	99.92	0.40	<0.02
09-GBC-464	Till	0.70	0.20	0.11	0.032	63	992	109	150	22	271	115	<30	21	7	15	10.1	99.92	1.55	<0.02
09-GBC-465	Till	0.82	0.22	0.12	0.025	50	917	98	118	<20	249	130	40	23	<5	15	4.9	99.94	0.27	<0.02
09-GBC-466	Till	0.83	0.22	0.12	0.025	50	940	102	118	22	250	133	34	23	9	16	4.8	99.94	0.24	<0.02
09-GBC-467	Till	0.75	0.21	0.10	0.041	66	1087	121	272	23	239	123	32	21	<5	17	7.3	99.90	0.54	<0.02
09-GBC-468	Till	0.76	0.22	0.12	0.038	73	1093	129	214	31	235	117	41	23	<5	17	6.8	99.91	0.45	0.02
09-GBC-469	Till	0.74	0.21	0.11	0.037	60	997	117	205	30	290	120	37	19	<5	15	7.6	99.92	0.97	<0.02
09-GBC-470	Till	0.79	0.23	0.07	0.020	40	952	61	50	<20	382	184	66	22	8	14	3.3	99.96	0.09	<0.02
09-GBC-471	Till	0.67	0.27	0.15	0.019	108	1195	103	67	27	408	107	45	18	<5	16	4.8	99.93	0.19	<0.02
09-GBC-472	Till	0.71	0.25	0.14	0.020	69	1137	90	66	20	382	119	42	19	<5	17	5.1	99.95	0.26	<0.02
09-GBC-473	Till	0.73	0.27	0.13	0.019	71	1106	93	62	20	392	118	39	20	<5	17	4.8	99.94	0.13	<0.02
09-GBC-474	Till	0.73	0.20	0.07	0.021	39	1019	58	52	<20	379	123	47	21	<5	15	3.4	99.96	0.19	<0.02
09-GBC-475	Till	0.70	0.23	0.12	0.021	56	1056	82	68	21	383	116	43	18	<5	15	5.5	99.94	0.58	<0.02
09-GBC-476	Till	0.67	0.26	0.12	0.018	72	1199	78	50	24	425	106	31	19	<5	16	4.4	99.95	0.13	<0.02
09-GBC-477	Till	0.80	0.17	0.08	0.016	33	919	67	35	<20	280	406	115	33	10	12	4.0	99.97	0.48	<0.02
09-GBC-478	Till	0.77	0.20	0.10	0.015	56	1002	94	41	20	324	292	98	28	9	14	4.4	99.94	0.12	<0.02
09-GBC-479	Till	0.84	0.22	0.10	0.016	45	931	79	39	<20	294	303	98	28	13	14	4.5	99.95	0.14	<0.02
09-GBC-480	Till	0.91	0.20	0.09	0.017	52	969	92	48	21	263	289	103	34	13	15	6.2	99.94	0.56	<0.02
09-GBC-481 DUP of 09-GBC-491	Pulp DUP	0.77	0.17	0.09	0.024	47	880	86	88	21	281	128	37	24	<5	15	4.5	99.96	0.29	<0.02
09-GBC-482	Rock Pulp	0.91	0.16	0.07	0.018	77	611	87	47	22	222	362	125	33	14	16	5.4	99.95	0.45	<0.02
09-GBC-483	Till	0.78	0.24	0.08	0.019	39	966	59	42	<20	354	322	99	27	11	12	2.7	99.97	0.06	<0.02
09-GBC-484	Till	0.84	0.23	0.09	0.015	44	897	82	46	<20	290	332	107	30	15	14	4.4	99.96	0.11	<0.02
09-GBC-485	Till	0.84	0.22	0.11	0.014	47	863	98	47	<20	280	325	107	33	10	14	4.0	99.93	0.09	<0.02
09-GBC-486	Till	0.85	0.22	0.12	0.015	55	882	101	52	20	286	310	112	28	11	15	4.1	99.95	0.09	<0.02
09-GBC-487	Till	0.86	0.23	0.15	0.017	59	948	100	59	25	290	242	96	30	15	17	5.5	99.94	0.13	<0.02
09-GBC-488	Till	0.80	0.24	0.12	0.021	68	1037	100	71	22	339	180	53	26	8	16	5.6	99.94	0.19	<0.02
09-GBC-489	Till	0.78	0.25	0.23	0.018	69	1063	104	75	32	334	194	72	25	7	16	6.6	99.94	0.63	<0.02
09-GBC-490	Till	0.70	0.24	0.10	0.018	61	1128	92	54	<20	374	141	61	20	7	16	4.9	99.94	0.14	<0.02
09-GBC-491	Till	0.76	0.18	0.09	0.023	45	867	85	89	<20	279	132	37	24	<5	15	4.9	99.96	0.28	<0.02

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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002941A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
09-GBC-492	Till	0.59	37.91	5.84	51.3	66	37.6	9.5	442	2.38	5.7	0.6	2.0	2.8	36.4	0.16	0.32	0.11	64	0.61	0.085
09-GBC-493	Till	0.85	45.91	5.09	77.3	67	92.4	14.6	571	2.81	9.1	0.5	1.8	1.8	94.4	0.61	0.48	0.08	66	3.08	0.083
09-GBC-494	Till	1.24	57.65	8.70	106.2	86	133.1	19.2	1452	3.30	9.3	0.5	1.6	2.5	44.3	0.78	0.54	0.13	73	0.65	0.085
09-GBC-495	Till	0.83	64.88	6.99	93.8	76	96.4	17.9	784	3.51	10.8	0.4	2.1	2.2	48.8	0.35	0.58	0.10	82	0.72	0.095
09-GBC-496	Till	0.92	44.27	5.76	80.1	55	78.1	15.4	654	2.90	8.8	0.4	1.9	2.1	69.3	0.56	0.48	0.08	67	1.83	0.090
09-GBC-497	Till	0.80	57.04	7.07	82.6	130	142.4	16.4	804	3.33	8.9	0.5	3.2	2.6	44.2	0.19	0.42	0.11	72	0.62	0.078
09-GBC-498	Till	0.25	17.75	3.89	49.2	31	65.9	7.3	258	1.42	1.7	0.4	1.4	1.5	17.6	0.05	0.11	0.07	33	0.29	0.036
09-GBC-499	Till	0.30	22.51	4.12	35.8	39	54.7	7.1	213	1.42	2.1	0.4	1.7	1.7	17.6	0.02	0.16	0.06	34	0.30	0.038
09-GBC-500	Till	0.50	31.05	12.89	71.8	44	37.3	15.5	781	3.51	8.1	0.6	0.9	11.0	21.6	0.10	0.23	0.21	28	0.33	0.079
09-GBC-501	Till	2.28	78.20	10.00	105.7	188	48.4	19.3	877	3.70	16.2	0.7	3.8	4.6	33.0	0.43	1.24	0.16	66	0.53	0.114
09-GBC-502	Till	1.39	69.35	5.90	72.4	56	34.0	13.8	701	3.28	12.8	0.6	48.8	2.9	21.3	0.26	0.95	0.09	66	0.36	0.072
09-GBC-503	Till	8.42	97.84	11.67	184.8	527	56.6	23.5	1925	4.60	36.0	0.6	16.1	3.1	25.8	2.20	4.39	0.14	53	0.43	0.099
09-GBC-504 DUP of 09-GBC-517	Pulp DUP	0.73	67.51	5.80	60.5	28	33.1	13.5	555	2.68	5.7	0.9	2.2	3.1	33.9	0.27	0.36	0.16	64	0.55	0.111
09-GBC-505	Rock Pulp	1.77	99.87	5.02	73.3	95	42.0	24.2	1027	4.65	13.0	0.8	3.7	1.0	54.8	0.30	0.19	0.13	135	1.28	0.068
09-GBC-506	Till	0.91	40.45	10.65	75.5	146	57.1	17.4	837	3.24	7.7	0.7	1.3	7.4	75.1	0.30	0.35	0.20	43	2.61	0.079
09-GBC-507	Till	1.25	47.42	9.66	84.4	220	81.3	19.9	820	3.16	8.6	0.5	1.9	4.9	81.8	0.53	0.63	0.16	56	2.85	0.090
09-GBC-508	Till	1.52	40.07	6.24	47.5	152	29.2	11.3	469	2.56	9.0	0.9	4.3	3.8	25.3	0.20	0.93	0.09	59	0.48	0.102
09-GBC-509	Till	2.41	106.43	10.39	120.8	132	69.8	21.4	841	4.76	20.0	0.9	3.6	4.1	35.3	0.27	0.99	0.19	86	0.53	0.081
09-GBC-510	Till	2.94	103.70	12.12	117.1	389	54.3	24.9	1167	4.37	20.5	0.6	4.1	3.7	37.5	1.01	1.40	0.19	82	0.71	0.121
09-GBC-511	Till	1.52	49.76	9.99	93.3	269	50.0	14.7	679	3.33	9.1	0.8	0.9	6.2	91.3	0.58	0.51	0.20	53	3.01	0.086
09-GBC-512	Till	1.10	40.30	6.10	65.9	120	48.1	12.0	497	2.53	9.2	0.6	1.3	3.3	70.4	0.58	0.53	0.12	53	2.14	0.097
09-GBC-513	Till	0.65	36.81	5.57	52.3	55	38.5	9.6	463	2.25	4.9	1.0	3.3	3.6	30.6	0.21	0.32	0.24	56	0.47	0.093
09-GBC-514	Till	1.58	54.52	9.97	95.3	232	56.0	14.9	698	3.06	9.1	1.6	1.9	4.6	41.4	0.75	0.48	0.45	65	0.80	0.129
09-GBC-515	Till	1.43	42.30	7.36	75.0	165	41.6	10.0	434	2.32	4.9	2.2	1.5	3.7	30.7	0.34	0.31	0.49	61	0.50	0.122
09-GBC-516	Till	0.83	31.37	6.21	56.2	46	31.0	8.5	358	2.06	4.1	1.8	1.5	3.4	30.8	0.22	0.23	0.32	52	0.49	0.118
09-GBC-517	Till	0.75	70.19	6.06	62.9	32	34.5	14.1	578	2.81	6.2	1.0	2.6	3.3	37.1	0.31	0.36	0.18	69	0.59	0.116
09-GBC-518	Till	1.30	75.98	9.99	69.5	85	33.0	13.7	587	3.11	11.1	0.8	2.6	3.4	32.9	0.27	0.80	0.13	70	0.55	0.114
09-GBC-519	Till	2.17	113.32	9.93	105.2	242	55.2	23.4	1083	4.78	14.9	0.6	2.7	2.6	46.6	0.40	0.49	0.18	119	0.87	0.155
09-GBC-520	Till	1.86	78.39	7.87	97.3	128	45.9	17.1	793	3.57	11.8	0.7	2.7	3.1	40.2	0.48	0.66	0.18	85	0.68	0.115
09-GBC-521 DUP of 09-GBC-531	Pulp DUP	1.29	30.18	5.75	55.8	84	48.5	11.4	399	2.23	5.4	0.7	1.7	2.1	23.0	0.55	0.33	0.14	54	0.41	0.108

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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002941A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
09-GBC-492	Till	13.6	44.7	0.62	183.8	0.107	<20	1.47	0.016	0.07	<0.1	6.2	0.12	<0.02	84	0.2	0.02	4.8	0.83	<0.1	0.09
09-GBC-493	Till	10.2	70.1	1.05	243.8	0.089	<20	1.31	0.017	0.08	<0.1	6.5	0.19	<0.02	207	0.4	0.04	4.1	0.65	<0.1	0.14
09-GBC-494	Till	13.4	81.1	1.06	225.4	0.107	<20	1.59	0.015	0.09	<0.1	7.3	0.26	<0.02	190	0.4	0.03	5.1	0.89	<0.1	0.16
09-GBC-495	Till	12.2	78.7	0.99	212.6	0.108	<20	1.62	0.015	0.11	<0.1	8.4	0.19	<0.02	226	0.7	0.04	5.1	0.79	<0.1	0.15
09-GBC-496	Till	11.2	57.5	0.99	207.1	0.097	<20	1.32	0.018	0.09	<0.1	6.5	0.16	<0.02	391	0.3	0.03	4.3	0.79	<0.1	0.16
09-GBC-497	Till	15.6	90.4	0.98	320.7	0.094	<20	1.68	0.019	0.10	<0.1	7.6	0.16	<0.02	109	0.4	0.04	5.2	0.90	<0.1	0.19
09-GBC-498	Till	8.5	62.3	0.57	153.8	0.088	<20	1.14	0.010	0.04	<0.1	3.5	0.09	<0.02	41	0.2	<0.02	3.5	0.51	<0.1	0.05
09-GBC-499	Till	10.0	63.5	0.49	181.8	0.082	<20	1.04	0.009	0.04	<0.1	4.0	0.08	<0.02	35	0.2	<0.02	3.2	0.46	<0.1	0.07
09-GBC-500	Till	32.7	27.4	0.52	124.8	0.025	<20	1.59	0.012	0.11	<0.1	4.0	0.08	<0.02	36	0.3	0.02	4.8	0.49	<0.1	0.08
09-GBC-501	Till	16.4	44.0	0.75	175.0	0.082	<20	1.67	0.007	0.12	<0.1	7.3	0.16	<0.02	119	0.7	0.05	5.1	0.99	<0.1	0.08
09-GBC-502	Till	15.1	41.6	0.73	162.9	0.062	<20	1.72	0.008	0.07	<0.1	8.8	0.10	<0.02	97	0.7	0.05	4.9	2.13	<0.1	0.05
09-GBC-503	Till	13.6	31.2	0.56	169.4	0.039	<20	1.15	0.008	0.08	<0.1	6.6	0.18	<0.02	291	1.9	0.11	3.5	0.41	<0.1	0.14
09-GBC-504 DUP of 09-GBC-517	Pulp DUP	12.3	48.9	0.80	105.3	0.105	<20	1.39	0.009	0.20	0.2	5.3	0.15	<0.02	46	0.6	0.04	4.3	1.11	<0.1	0.08
09-GBC-505	Rock Pulp	5.9	49.1	1.15	58.5	0.237	<20	2.86	0.032	0.06	<0.1	7.4	0.06	0.17	111	1.3	0.07	7.8	0.54	<0.1	0.14
09-GBC-506	Till	19.6	42.6	0.90	130.2	0.051	<20	1.55	0.009	0.13	<0.1	5.0	0.12	<0.02	57	0.5	0.02	4.7	0.85	<0.1	0.17
09-GBC-507	Till	15.5	50.7	1.09	141.4	0.080	<20	1.50	0.016	0.12	0.1	6.1	0.14	<0.02	79	0.6	0.03	4.6	1.01	<0.1	0.19
09-GBC-508	Till	17.4	38.6	0.51	84.9	0.076	<20	0.98	0.009	0.06	0.3	4.7	0.09	<0.02	57	0.6	0.03	3.4	0.60	<0.1	0.04
09-GBC-509	Till	17.5	68.0	1.20	199.0	0.065	<20	2.41	0.009	0.14	<0.1	10.2	0.19	<0.02	98	0.9	0.06	7.2	1.40	<0.1	0.05
09-GBC-510	Till	16.0	54.3	1.05	163.2	0.087	<20	1.84	0.007	0.15	<0.1	6.9	0.21	<0.02	140	1.1	0.05	5.6	0.98	<0.1	0.13
09-GBC-511	Till	18.0	47.2	1.07	165.5	0.063	<20	1.60	0.008	0.18	<0.1	6.1	0.15	<0.02	92	0.7	0.05	5.1	1.35	<0.1	0.19
09-GBC-512	Till	12.1	48.3	0.79	140.6	0.078	<20	1.04	0.012	0.11	<0.1	4.8	0.14	<0.02	109	0.4	0.02	3.6	0.80	<0.1	0.17
09-GBC-513	Till	14.0	44.7	0.53	164.1	0.092	<20	1.32	0.013	0.10	0.1	5.3	0.13	<0.02	84	0.4	0.03	4.3	1.07	<0.1	0.09
09-GBC-514	Till	15.2	49.1	0.70	155.3	0.079	<20	1.67	0.019	0.15	0.3	5.9	0.26	<0.02	62	0.8	0.05	5.6	2.43	<0.1	0.13
09-GBC-515	Till	11.8	44.6	0.58	130.3	0.081	<20	1.47	0.014	0.12	0.4	5.4	0.26	<0.02	58	0.5	0.03	4.6	2.20	<0.1	0.09
09-GBC-516	Till	12.6	41.1	0.55	110.0	0.086	<20	1.33	0.010	0.09	0.2	4.1	0.17	<0.02	55	0.4	0.03	4.4	1.76	<0.1	0.04
09-GBC-517	Till	13.2	52.4	0.84	111.2	0.110	<20	1.48	0.010	0.21	0.2	5.7	0.15	<0.02	54	0.4	0.04	4.6	1.15	<0.1	0.08
09-GBC-518	Till	16.7	46.2	0.76	144.3	0.097	<20	1.50	0.009	0.15	0.1	7.5	0.15	<0.02	85	0.6	0.05	4.6	0.81	<0.1	0.09
09-GBC-519	Till	10.2	84.4	1.63	214.6	0.140	<20	2.53	0.008	0.45	0.1	8.2	0.23	<0.02	55	0.7	0.07	7.4	1.90	<0.1	0.10
09-GBC-520	Till	12.8	54.2	1.03	170.4	0.105	<20	1.89	0.012	0.21	0.1	7.7	0.20	<0.02	88	0.7	0.04	5.9	1.43	<0.1	0.08
09-GBC-521 DUP of 09-GBC-531	Pulp DUP	10.4	43.2	0.58	89.6	0.079	<20	1.62	0.007	0.06	0.2	3.3	0.17	<0.02	74	0.7	0.03	3.9	1.00	<0.1	0.02

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Bureau Veritas Commodities Canada Ltd.

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PHONE (604) 253-3158

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002941A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%	%	%	%	%	%
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01
09-GBC-492	Till	0.12	7.0	0.3	<0.05	4.8	10.54	25.4	<0.02	<1	0.5	10.7	<10	<2	68.62	12.65	4.49	1.71	2.31	2.74	2.03
09-GBC-493	Till	0.06	4.7	0.3	<0.05	7.2	9.36	19.6	0.02	<1	0.4	8.2	<10	3	60.93	11.42	5.40	2.75	6.27	2.39	1.50
09-GBC-494	Till	0.03	5.8	0.3	<0.05	9.4	13.25	27.5	0.03	1	0.5	9.5	<10	<2	64.68	12.69	6.17	2.73	2.18	2.38	1.61
09-GBC-495	Till	<0.02	6.3	0.9	<0.05	8.2	12.17	21.8	0.03	<1	0.4	9.7	<10	<2	64.88	12.55	6.36	2.63	2.58	2.52	1.63
09-GBC-496	Till	0.03	5.6	0.3	<0.05	7.6	9.59	21.9	0.02	<1	0.4	8.9	<10	<2	64.19	12.08	5.51	2.61	4.27	2.56	1.65
09-GBC-497	Till	0.03	6.7	0.4	<0.05	8.5	14.69	24.0	0.03	<1	0.5	10.7	<10	<2	65.50	12.57	6.07	2.52	2.22	2.33	1.61
09-GBC-498	Till	0.16	6.6	0.3	<0.05	2.7	4.49	16.6	<0.02	<1	0.2	8.4	<10	3	74.22	11.00	3.05	1.81	1.63	2.57	1.35
09-GBC-499	Till	0.14	4.8	0.4	<0.05	3.4	6.97	19.1	<0.02	<1	0.3	7.3	<10	<2	74.98	10.59	2.95	1.61	1.66	2.60	1.26
09-GBC-500	Till	0.03	6.8	0.2	<0.05	4.7	12.37	66.6	<0.02	<1	0.4	24.8	<10	<2	67.33	14.52	6.28	1.30	0.90	1.41	2.45
09-GBC-501	Till	0.06	8.1	0.3	<0.05	5.3	13.98	29.5	0.03	<1	0.6	13.9	<10	<2	64.37	13.61	6.84	2.18	2.21	1.99	2.09
09-GBC-502	Till	0.11	5.9	0.2	<0.05	2.7	10.40	27.4	0.03	<1	0.4	13.1	<10	<2	68.12	12.62	5.83	1.98	1.82	2.10	1.52
09-GBC-503	Till	<0.02	4.0	0.1	<0.05	6.1	10.91	27.4	0.03	<1	0.3	10.4	<10	<2	67.47	11.67	7.82	1.57	1.41	2.13	1.64
09-GBC-504 DUP of 09-GBC-517	Pulp DUP	0.13	15.2	0.2	<0.05	4.0	10.17	21.4	<0.02	<1	0.5	10.6	<10	<2	65.45	12.67	5.96	2.64	3.57	2.40	2.05
09-GBC-505	Rock Pulp	1.13	2.8	0.4	<0.05	6.1	10.05	13.7	0.03	2	0.4	6.8	<10	<2	45.35	13.62	10.76	4.29	6.48	2.02	0.73
09-GBC-506	Till	0.07	8.9	0.2	<0.05	7.2	8.91	40.2	0.02	<1	0.4	20.4	<10	<2	62.07	13.34	5.83	2.08	4.56	1.51	2.24
09-GBC-507	Till	0.05	8.5	0.3	<0.05	8.4	10.02	31.0	0.02	<1	0.4	14.7	<10	<2	62.23	12.17	5.62	2.59	5.21	1.70	1.92
09-GBC-508	Till	0.21	5.7	0.2	<0.05	2.4	11.38	28.4	<0.02	<1	0.3	8.4	<10	<2	70.11	11.65	5.19	1.80	2.78	2.48	1.84
09-GBC-509	Till	0.17	10.3	0.5	<0.05	3.2	12.48	34.2	0.04	<1	0.8	19.1	<10	<2	57.99	15.99	8.19	2.78	1.62	1.82	2.09
09-GBC-510	Till	0.03	8.7	0.3	<0.05	6.6	13.80	30.9	0.03	<1	0.5	15.1	<10	3	60.90	14.11	8.11	2.81	2.86	1.98	1.93
09-GBC-511	Till	0.08	12.6	0.3	<0.05	7.9	9.94	36.0	0.02	2	0.6	18.8	<10	<2	58.31	14.14	6.05	2.57	5.36	1.53	2.45
09-GBC-512	Till	0.05	7.6	0.3	<0.05	6.7	8.41	23.3	<0.02	<1	0.4	9.4	<10	<2	65.40	11.50	5.19	2.28	5.05	2.22	1.82
09-GBC-513	Till	0.12	9.2	0.4	<0.05	4.7	11.02	26.0	<0.02	<1	0.6	10.7	<10	<2	69.53	12.39	4.52	1.80	2.57	2.42	2.07
09-GBC-514	Till	0.11	15.9	0.6	<0.05	6.0	14.33	28.0	0.02	<1	1.0	22.1	<10	<2	64.60	13.76	5.44	2.05	2.85	2.26	2.39
09-GBC-515	Till	0.13	13.7	0.4	<0.05	4.6	10.11	23.2	<0.02	<1	0.8	16.7	<10	<2	68.25	12.69	4.61	1.98	2.65	2.24	2.17
09-GBC-516	Till	0.26	13.8	0.4	<0.05	2.4	8.17	24.8	<0.02	<1	0.7	16.5	<10	<2	67.82	13.15	4.23	2.01	2.77	2.44	2.31
09-GBC-517	Till	0.10	16.0	0.2	<0.05	4.2	10.88	23.0	<0.02	<1	0.5	11.5	<10	<2	65.60	12.68	5.85	2.67	3.57	2.40	2.04
09-GBC-518	Till	0.09	8.9	0.2	<0.05	5.0	13.87	27.9	<0.02	<1	0.4	11.6	<10	<2	66.33	12.43	6.25	2.32	3.02	2.20	1.77
09-GBC-519	Till	<0.02	23.9	1.3	<0.05	5.1	11.26	18.7	0.02	<1	0.6	20.5	<10	<2	56.07	14.23	9.08	4.04	3.80	2.21	1.96
09-GBC-520	Till	0.08	13.8	0.4	<0.05	4.6	11.46	24.5	0.02	<1	0.5	16.5	<10	<2	62.88	13.46	6.81	2.83	3.02	2.22	1.98
09-GBC-521 DUP of 09-GBC-531	Pulp DUP	0.66	6.2	0.2	<0.05	1.1	6.34	26.6	<0.02	<1	0.5	10.4	<10	<2	67.90	11.85	4.55	2.00	2.61	2.23	1.78

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Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002941A.2

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
	Analyte	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
	Unit	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	MDL	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3	5	1	-5.1	0.01	0.02	0.02
09-GBC-492	Till	0.72	0.23	0.08	0.019	41	1058	60	50	<20	356	156	51	20	7	13	4.2	99.96	0.27	<0.02
09-GBC-493	Till	0.73	0.22	0.10	0.033	53	958	93	109	21	344	131	40	19	<5	15	8.0	99.94	1.18	<0.02
09-GBC-494	Till	0.80	0.23	0.22	0.032	61	986	120	157	25	261	145	49	25	6	16	6.0	99.93	0.27	<0.02
09-GBC-495	Till	0.77	0.25	0.13	0.029	69	1001	103	113	21	332	122	46	22	7	16	5.4	99.94	0.23	<0.02
09-GBC-496	Till	0.77	0.24	0.11	0.028	74	972	99	94	23	342	142	49	21	<5	15	5.7	99.95	0.63	<0.02
09-GBC-497	Till	0.76	0.20	0.13	0.036	60	1047	92	162	22	265	138	49	27	8	16	5.8	99.94	0.32	<0.02
09-GBC-498	Till	0.77	0.10	0.05	0.046	22	841	64	90	<20	236	145	38	16	10	10	3.2	99.96	0.23	<0.02
09-GBC-499	Till	0.71	0.10	0.05	0.048	28	854	47	66	<20	233	133	40	17	6	11	3.3	99.98	0.24	<0.02
09-GBC-500	Till	0.84	0.20	0.12	0.013	34	653	81	43	<20	149	427	124	39	17	14	4.4	99.96	0.17	<0.02
09-GBC-501	Till	0.80	0.29	0.14	0.016	80	1061	115	52	24	266	203	70	31	11	17	5.2	99.94	0.24	<0.02
09-GBC-502	Till	0.79	0.18	0.11	0.015	71	970	80	40	<20	256	185	46	26	8	18	4.7	99.95	0.27	<0.02
09-GBC-503	Till	0.69	0.27	0.27	0.014	99	1313	194	62	26	178	161	64	28	10	16	4.8	99.95	0.17	<0.02
09-GBC-504 DUP of 09-GBC-517	Pulp DUP	0.73	0.29	0.11	0.018	71	1014	88	44	<20	365	180	53	26	13	18	3.8	99.93	0.27	<0.02
09-GBC-505	Rock Pulp	1.31	0.19	0.21	0.027	113	265	102	64	34	266	257	<30	25	10	29	14.8	99.88	4.54	0.16
09-GBC-506	Till	0.72	0.20	0.12	0.016	41	779	86	62	22	221	234	75	26	18	14	7.1	99.94	1.00	<0.02
09-GBC-507	Till	0.77	0.22	0.12	0.019	48	823	93	84	22	235	223	66	26	12	15	7.2	99.92	1.04	<0.02
09-GBC-508	Till	0.81	0.26	0.10	0.022	41	942	59	36	<20	333	326	84	32	15	15	2.7	99.95	0.18	<0.02
09-GBC-509	Till	0.82	0.21	0.13	0.022	108	1095	133	76	24	218	165	55	25	14	21	8.0	99.92	0.49	<0.02
09-GBC-510	Till	0.85	0.31	0.18	0.018	106	1056	127	61	26	288	194	72	30	15	20	5.6	99.91	0.18	<0.02
09-GBC-511	Till	0.73	0.22	0.10	0.017	55	925	108	54	<20	255	167	63	24	15	15	8.3	99.94	1.26	<0.02
09-GBC-512	Till	0.74	0.25	0.09	0.027	45	902	79	57	<20	340	225	63	24	15	14	5.2	99.94	0.74	<0.02
09-GBC-513	Till	0.66	0.23	0.09	0.019	41	1054	64	45	<20	296	171	47	25	12	14	3.4	99.95	0.28	<0.02
09-GBC-514	Till	0.65	0.31	0.11	0.016	56	997	105	58	<20	260	186	56	29	15	14	5.3	99.95	0.57	<0.02
09-GBC-515	Till	0.69	0.31	0.08	0.019	46	1034	90	49	<20	247	216	55	30	14	14	4.0	99.94	0.48	<0.02
09-GBC-516	Till	0.73	0.31	0.07	0.017	35	1087	71	40	<20	293	221	45	26	12	13	3.9	99.95	0.60	<0.02
09-GBC-517	Till	0.73	0.29	0.11	0.018	76	1003	76	40	<20	366	174	42	25	12	17	3.8	99.93	0.26	<0.02
09-GBC-518	Till	0.79	0.29	0.11	0.017	78	1005	80	41	21	341	215	61	30	12	19	4.2	99.93	0.23	<0.02
09-GBC-519	Till	0.81	0.39	0.18	0.020	118	980	122	63	28	366	132	38	26	7	22	6.9	99.89	0.27	<0.02
09-GBC-520	Till	0.79	0.30	0.13	0.018	80	1036	110	52	22	316	171	48	26	12	19	5.3	99.92	0.33	<0.02
09-GBC-521 DUP of 09-GBC-531	Pulp DUP	0.72	0.28	0.08	0.024	36	1007	69	54	<20	283	213	60	23	11	12	5.7	99.94	1.21	<0.02

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	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
09-GBC-522	Rock Pulp	13.18	164.31	6.64	54.3	76	13.1	11.3	415	4.28	5.8	0.4	48.8	1.1	48.9	0.22	0.11	0.50	96	0.70	0.051
09-GBC-523	Till	1.28	58.43	9.39	86.5	172	47.9	16.4	750	3.20	12.2	0.7	2.6	5.2	70.5	0.65	0.65	0.18	72	2.36	0.110
09-GBC-524	Till	1.08	62.34	8.17	80.4	143	38.1	14.7	610	3.40	14.2	0.5	7.4	4.3	51.3	0.36	0.67	0.13	77	1.26	0.107
09-GBC-525	Till	6.98	94.49	13.50	172.0	1176	53.2	24.8	1476	4.15	9.6	1.0	4.6	2.4	40.5	2.02	1.29	0.10	103	0.72	0.123
09-GBC-526	Till	2.02	41.74	5.66	102.2	134	34.7	10.2	344	2.74	16.9	0.6	7.9	2.8	22.9	0.57	0.98	0.12	52	0.36	0.116
09-GBC-527	Till	2.22	45.87	5.95	97.6	158	34.7	10.8	379	2.84	18.8	0.6	3.1	2.9	22.2	0.52	1.07	0.12	52	0.35	0.109
09-GBC-528	Till	1.08	38.65	5.29	62.3	175	36.7	10.3	414	2.49	11.0	0.6	3.8	3.2	26.7	0.32	0.49	0.11	58	0.39	0.083
09-GBC-529	Till	0.62	23.74	4.82	38.7	48	29.5	9.2	422	1.94	5.4	0.5	1.8	2.7	23.6	0.34	0.35	0.10	51	0.37	0.085

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	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
09-GBC-522	Rock Pulp	4.3	20.3	0.71	48.7	0.132	<20	2.01	0.023	0.04	<0.1	5.4	0.03	0.58	23	2.9	0.47	5.9	0.33	<0.1	0.14
09-GBC-523	Till	16.5	46.9	0.85	228.0	0.092	<20	1.63	0.015	0.23	0.1	6.9	0.20	<0.02	71	0.5	0.04	5.3	1.52	<0.1	0.16
09-GBC-524	Till	14.2	54.3	0.89	181.9	0.103	<20	1.76	0.011	0.18	<0.1	7.1	0.14	<0.02	54	0.4	0.04	5.5	1.17	<0.1	0.12
09-GBC-525	Till	18.4	48.4	0.96	215.6	0.081	<20	2.21	0.006	0.10	<0.1	11.0	0.24	<0.02	249	2.0	0.07	6.4	0.67	<0.1	0.06
09-GBC-526	Till	13.8	39.7	0.60	77.8	0.062	<20	1.29	0.007	0.07	0.3	3.4	0.10	<0.02	26	0.7	0.03	3.8	0.82	<0.1	<0.02
09-GBC-527	Till	14.3	40.0	0.64	72.7	0.058	<20	1.30	0.007	0.08	<0.1	3.5	0.10	<0.02	45	0.9	0.04	3.8	0.81	<0.1	<0.02
09-GBC-528	Till	15.1	49.4	0.58	111.1	0.090	<20	1.38	0.009	0.09	0.1	5.2	0.12	<0.02	92	0.5	0.03	4.2	0.74	<0.1	0.05
09-GBC-529	Till	10.5	37.1	0.47	84.5	0.090	<20	1.17	0.010	0.06	0.1	3.1	0.10	<0.02	66	0.3	0.02	3.4	0.49	<0.1	0.04

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Bureau Veritas Commodities Canada Ltd.

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002941A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%	%	%	%	%	%
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01
09-GBC-522	Rock Pulp	0.26	1.6	0.6	<0.05	5.3	5.58	8.6	0.07	13	0.2	4.0	<10	<2	60.42	14.53	8.12	2.20	4.00	2.21	1.12
09-GBC-523	Till	0.04	15.5	0.4	<0.05	6.7	10.58	30.9	0.02	<1	0.5	15.3	<10	<2	63.30	11.98	5.84	2.33	4.91	1.83	2.03
09-GBC-524	Till	0.05	11.3	0.8	<0.05	5.7	10.06	26.6	0.02	<1	0.5	15.3	<10	<2	63.36	12.73	6.48	2.49	3.71	2.03	1.91
09-GBC-525	Till	0.02	5.0	1.8	<0.05	3.5	20.96	40.6	0.03	<1	0.6	14.3	<10	4	62.59	14.27	7.29	2.42	1.92	1.73	1.93
09-GBC-526	Till	0.31	10.3	0.1	<0.05	0.8	5.76	27.7	<0.02	<1	0.4	13.5	<10	<2	67.99	12.36	5.57	2.05	2.31	1.89	1.91
09-GBC-527	Till	0.26	9.9	0.2	<0.05	0.7	5.83	28.9	<0.02	<1	0.4	13.5	<10	<2	68.11	12.60	5.51	2.04	2.15	1.78	1.94
09-GBC-528	Till	0.24	7.5	0.2	<0.05	2.5	7.70	29.2	<0.02	<1	0.5	10.2	<10	<2	69.47	11.84	4.92	1.96	2.44	2.18	1.83
09-GBC-529	Till	0.33	5.2	0.1	<0.05	2.0	5.51	24.7	<0.02	<1	0.3	7.7	<10	<2	71.78	11.37	4.05	1.68	2.53	2.48	1.86

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002941A.2

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
	Analyte	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
	Unit	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	MDL	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3	5	1	-5.1	0.01	0.02	0.02
09-GBC-522	Rock Pulp	0.94	0.14	0.11	0.008	179	441	64	23	<20	317	123	36	19	<5	20	6.0	99.93	0.58	0.64
09-GBC-523	Till	0.74	0.28	0.12	0.015	54	1129	94	48	<20	287	209	69	24	8	15	6.3	99.92	0.78	<0.02
09-GBC-524	Till	0.80	0.27	0.11	0.018	66	1003	95	48	<20	316	247	73	26	12	18	5.8	99.93	0.45	<0.02
09-GBC-525	Till	0.80	0.32	0.21	0.016	99	1793	187	55	29	245	159	54	33	10	22		93.80	0.36	0.02
09-GBC-526	Till	0.85	0.30	0.07	0.017	47	993	117	44	<20	254	229	50	25	14	16	4.4	99.94	0.44	<0.02
09-GBC-527	Till	0.86	0.28	0.08	0.016	44	1008	106	50	<20	238	209	69	25	7	15	4.4	99.94	0.42	<0.02
09-GBC-528	Till	0.78	0.22	0.08	0.021	41	952	73	44	<20	289	196	53	23	13	15	4.0	99.95	0.41	<0.02
09-GBC-529	Till	0.68	0.21	0.08	0.020	29	952	47	36	<20	321	185	47	19	11	12	3.0	99.95	0.36	<0.02

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3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002941A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
09-GBC-286	Till	1.06	42.72	7.66	85.7	72	143.4	17.9	693	3.20	9.4	0.5	1.4	2.0	37.6	0.40	0.46	0.10	58	0.94	0.064
09-GBC-324	Till	1.07	42.58	6.02	57.8	88	97.0	10.9	404	3.03	7.3	0.7	3.1	2.6	34.4	0.18	0.42	0.12	62	0.48	0.081
09-GBC-362	Rock Pulp	0.83	80.27	11.59	86.2	108	45.4	14.6	369	3.92	8.0	0.9	9.5	10.5	31.7	0.13	0.30	0.29	52	0.25	0.085
09-GBC-399	Till	0.66	45.54	10.02	77.8	155	87.7	16.3	675	3.23	9.2	0.6	1.2	4.4	41.3	0.19	0.44	0.16	60	0.47	0.094
09-GBC-437	Till	0.94	51.69	8.72	102.4	60	117.0	19.0	807	3.49	10.0	0.5	5.5	3.0	55.4	0.36	0.65	0.13	70	0.65	0.097
09-GBC-476	Till	0.93	66.43	5.51	68.6	133	46.1	14.5	721	3.19	10.2	0.5	2.2	2.3	51.1	0.28	0.47	0.10	91	0.74	0.100
09-GBC-514	Till	1.58	54.52	9.97	95.3	232	56.0	14.9	698	3.06	9.1	1.6	1.9	4.6	41.4	0.75	0.48	0.45	65	0.80	0.129
09-GBC-528	Till	1.08	38.65	5.29	62.3	175	36.7	10.3	414	2.49	11.0	0.6	3.8	3.2	26.7	0.32	0.49	0.11	58	0.39	0.083
Pulp Duplicates																					
09-GBC-256	Till	1.07	51.31	8.67	90.6	88	101.5	19.8	783	3.25	8.4	0.5	14.5	3.8	66.7	0.54	0.47	0.13	64	2.17	0.080
REP 09-GBC-256	QC																				
09-GBC-279	Till	1.20	53.61	7.70	84.3	106	120.5	16.7	640	3.04	10.2	0.5	2.1	2.2	63.4	0.58	0.60	0.12	54	3.00	0.082
REP 09-GBC-279	QC	1.10	48.77	7.38	80.5	94	122.7	17.2	610	3.02	9.9	0.5	1.5	2.0	56.8	0.55	0.58	0.10	54	2.99	0.078
09-GBC-283	Till	1.73	69.46	10.54	99.3	173	125.9	22.1	781	3.52	11.4	0.6	2.4	2.5	92.7	0.62	0.47	0.14	70	2.84	0.078
REP 09-GBC-283	QC																				
09-GBC-292	Till	1.05	67.84	9.60	107.5	54	132.4	18.8	886	3.50	11.2	0.6	2.0	3.2	51.0	0.38	0.63	0.13	75	0.67	0.098
REP 09-GBC-292	QC																				
09-GBC-315	Till	1.24	54.73	8.86	89.3	81	103.2	16.6	802	3.17	10.9	0.6	2.1	2.7	48.1	0.40	0.42	0.13	66	0.80	0.087
REP 09-GBC-315	QC	1.17	52.90	8.74	82.2	78	99.6	16.2	740	3.22	10.0	0.5	1.9	2.7	46.1	0.39	0.45	0.13	67	0.81	0.084
09-GBC-318	Till	1.07	50.07	8.42	87.8	126	98.1	15.9	769	3.08	8.7	0.6	1.5	2.9	53.6	0.48	0.37	0.13	64	1.55	0.092
REP 09-GBC-318	QC																				
09-GBC-328	Till	0.71	39.26	6.06	57.0	45	74.5	8.7	386	2.53	6.4	0.5	1.6	2.2	31.7	0.09	0.38	0.09	52	0.46	0.076
REP 09-GBC-328	QC																				
09-GBC-352	Till	1.38	57.60	8.31	110.6	160	158.9	20.8	701	3.23	11.4	0.7	1.6	2.6	91.5	1.12	0.67	0.12	66	2.68	0.100
REP 09-GBC-352	QC	1.56	60.25	8.40	116.4	146	162.3	18.8	757	3.22	11.6	0.7	1.6	2.6	96.0	1.05	0.66	0.13	66	2.76	0.093
09-GBC-355	Till	1.03	58.73	9.60	94.4	161	138.2	20.8	804	3.37	12.2	0.7	1.7	2.8	79.7	0.89	0.54	0.14	66	2.87	0.084
REP 09-GBC-355	QC																				
09-GBC-365	Till	1.80	81.45	10.50	143.4	83	253.7	25.8	1295	4.66	14.2	0.6	2.8	3.6	51.6	1.15	0.67	0.17	83	0.65	0.103
REP 09-GBC-365	QC																				

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QUALITY CONTROL REPORT VAN19002941A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
09-GBC-286	Till	10.1	106.1	1.41	224.4	0.077	<20	1.48	0.017	0.08	<0.1	6.1	0.19	<0.02	127	<0.1	0.04	4.2	0.84	<0.1	0.12
09-GBC-324	Till	13.0	80.1	1.03	228.5	0.074	<20	1.48	0.016	0.08	<0.1	6.5	0.13	<0.02	85	<0.1	0.03	4.4	0.73	<0.1	0.12
09-GBC-362	Rock Pulp	33.4	55.1	0.91	57.3	0.075	<20	2.21	0.010	0.11	0.1	5.1	0.14	<0.02	56	0.2	0.06	6.2	1.18	<0.1	0.02
09-GBC-399	Till	16.6	69.1	0.90	228.7	0.083	<20	1.58	0.019	0.10	<0.1	7.0	0.14	<0.02	82	<0.1	<0.02	4.9	1.19	0.1	0.27
09-GBC-437	Till	14.1	75.9	1.15	235.1	0.091	<20	1.64	0.017	0.09	<0.1	8.4	0.23	<0.02	224	0.3	0.03	4.8	0.97	<0.1	0.18
09-GBC-476	Till	11.8	53.2	0.87	218.6	0.125	<20	1.71	0.026	0.13	<0.1	8.4	0.14	<0.02	144	0.2	0.04	5.8	0.86	<0.1	0.13
09-GBC-514	Till	15.2	49.1	0.70	155.3	0.079	<20	1.67	0.019	0.15	0.3	5.9	0.26	<0.02	62	0.8	0.05	5.6	2.43	<0.1	0.13
09-GBC-528	Till	15.1	49.4	0.58	111.1	0.090	<20	1.38	0.009	0.09	0.1	5.2	0.12	<0.02	92	0.5	0.03	4.2	0.74	<0.1	0.05
Pulp Duplicates																					
09-GBC-256	Till	12.8	78.7	1.25	248.3	0.088	<20	1.64	0.021	0.12	<0.1	6.7	0.22	<0.02	207	<0.1	0.05	4.7	1.13	<0.1	0.18
REP 09-GBC-256	QC																				
09-GBC-279	Till	11.5	124.9	1.33	323.7	0.076	<20	1.24	0.019	0.08	<0.1	6.4	0.20	<0.02	173	<0.1	0.04	4.4	0.87	<0.1	0.11
REP 09-GBC-279	QC	9.9	118.3	1.33	303.5	0.068	<20	1.23	0.018	0.08	<0.1	5.8	0.18	<0.02	142	<0.1	0.05	3.8	0.78	<0.1	0.12
09-GBC-283	Till	11.1	94.2	1.50	301.0	0.074	<20	1.68	0.020	0.11	<0.1	7.1	0.26	<0.02	132	0.1	0.04	5.2	1.07	<0.1	0.13
REP 09-GBC-283	QC																				
09-GBC-292	Till	15.4	88.1	1.13	307.9	0.098	<20	1.73	0.020	0.11	<0.1	8.7	0.24	<0.02	233	0.2	0.05	5.6	1.01	<0.1	0.14
REP 09-GBC-292	QC																				
09-GBC-315	Till	13.1	77.5	1.10	316.2	0.076	<20	1.48	0.021	0.11	<0.1	6.9	0.17	<0.02	100	0.2	0.05	4.7	1.15	<0.1	0.19
REP 09-GBC-315	QC	12.7	73.7	1.12	292.8	0.079	<20	1.51	0.022	0.11	<0.1	6.8	0.18	<0.02	84	0.2	0.04	4.8	1.10	<0.1	0.19
09-GBC-318	Till	13.6	76.9	1.21	236.2	0.083	<20	1.49	0.018	0.14	<0.1	6.6	0.18	<0.02	71	<0.1	0.04	4.7	1.33	<0.1	0.13
REP 09-GBC-318	QC																				
09-GBC-328	Till	12.4	74.8	0.82	271.1	0.081	<20	1.26	0.017	0.08	<0.1	6.5	0.12	<0.02	53	<0.1	<0.02	4.0	0.75	<0.1	0.13
REP 09-GBC-328	QC																				
09-GBC-352	Till	12.9	102.9	1.80	311.0	0.104	<20	1.36	0.018	0.12	<0.1	7.5	0.34	<0.02	271	<0.1	0.06	4.6	0.90	<0.1	0.18
REP 09-GBC-352	QC	12.6	110.4	1.79	318.5	0.105	<20	1.39	0.018	0.12	<0.1	7.3	0.34	<0.02	287	0.3	0.04	4.7	0.90	<0.1	0.17
09-GBC-355	Till	13.7	88.2	1.45	301.4	0.087	<20	1.53	0.017	0.12	<0.1	7.3	0.28	<0.02	163	0.1	0.05	5.0	1.05	<0.1	0.16
REP 09-GBC-355	QC																				
09-GBC-365	Till	16.6	164.9	1.56	272.5	0.103	<20	2.00	0.014	0.11	<0.1	10.7	0.37	<0.02	254	0.5	0.06	5.9	1.09	<0.1	0.14
REP 09-GBC-365	QC																				

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	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%	%	%	%	%	%
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01
09-GBC-286	Till	0.08	5.9	0.6	<0.05	5.3	9.14	21.5	0.03	<1	0.3	12.9	<10	3	65.53	11.80	5.96	3.39	2.53	2.24	1.47
09-GBC-324	Till	0.12	5.6	0.7	<0.05	6.2	11.73	22.2	0.06	<1	0.4	10.0	<10	3	67.56	12.29	5.58	2.59	2.07	2.38	1.49
09-GBC-362	Rock Pulp	0.41	14.5	0.2	<0.05	1.3	7.02	75.2	0.02	<1	0.4	40.0	<10	<2	62.61	16.31	6.74	2.13	1.26	1.68	2.79
09-GBC-399	Till	0.06	8.0	0.4	<0.05	10.7	11.97	33.7	0.04	<1	0.4	15.4	<10	<2	66.49	13.16	5.85	2.30	1.86	2.19	1.73
09-GBC-437	Till	0.05	6.5	0.4	<0.05	8.6	12.26	27.6	0.03	2	0.3	12.6	<10	2	64.73	13.02	6.37	2.78	2.19	2.37	1.55
09-GBC-476	Till	0.03	8.4	0.3	<0.05	7.2	10.89	21.5	0.02	<1	0.5	11.0	<10	<2	64.90	13.49	5.81	2.26	2.65	2.91	2.21
09-GBC-514	Till	0.11	15.9	0.6	<0.05	6.0	14.33	28.0	0.02	<1	1.0	22.1	<10	<2	64.60	13.76	5.44	2.05	2.85	2.26	2.39
09-GBC-528	Till	0.24	7.5	0.2	<0.05	2.5	7.70	29.2	<0.02	<1	0.5	10.2	<10	<2	69.47	11.84	4.92	1.96	2.44	2.18	1.83
Pulp Duplicates																					
09-GBC-256	Till	0.06	7.6	0.4	<0.05	8.0	10.16	28.6	0.03	<1	0.5	13.3	<10	<2	61.31	12.77	6.03	3.01	4.37	2.16	1.71
REP 09-GBC-256	QC														61.33	12.79	5.97	3.02	4.38	2.17	1.71
09-GBC-279	Till	0.16	6.0	0.5	<0.05	5.7	10.54	23.2	<0.02	<1	0.4	10.2	<10	2	62.55	10.81	5.46	3.21	5.45	2.12	1.36
REP 09-GBC-279	QC	0.15	5.3	0.5	<0.05	5.1	10.40	21.8	<0.02	<1	0.3	10.9	<10	3							
09-GBC-283	Till	0.09	7.2	1.3	<0.05	6.4	10.21	22.6	0.02	2	0.5	14.2	<10	<2	59.50	12.22	6.17	3.40	5.06	2.01	1.58
REP 09-GBC-283	QC																				
09-GBC-292	Till	0.06	7.5	1.4	<0.05	8.0	13.10	28.9	0.04	1	0.6	13.5	<10	3	64.64	12.91	6.19	2.82	2.32	2.35	1.72
REP 09-GBC-292	QC														64.81	12.84	6.13	2.79	2.32	2.36	1.70
09-GBC-315	Till	0.04	8.4	0.8	<0.05	8.7	10.20	26.6	0.03	<1	0.4	10.7	<10	<2	66.30	12.23	5.82	2.75	2.49	2.15	1.48
REP 09-GBC-315	QC	0.05	8.2	1.2	<0.05	8.8	10.39	25.9	0.03	<1	0.3	10.5	<10	<2							
09-GBC-318	Till	0.04	10.9	1.0	<0.05	7.0	10.76	28.7	0.03	<1	0.6	11.3	<10	<2	63.45	12.62	5.82	3.11	3.72	2.22	1.59
REP 09-GBC-318	QC																				
09-GBC-328	Till	0.10	5.9	1.2	<0.05	7.0	10.90	22.0	0.02	<1	0.2	9.4	<10	<2	70.26	11.58	4.85	2.14	2.15	2.37	1.42
REP 09-GBC-328	QC														70.08	11.71	4.82	2.14	2.17	2.40	1.44
09-GBC-352	Till	0.06	6.9	0.5	<0.05	7.3	10.66	25.3	0.03	2	0.4	11.4	<10	4	61.72	11.16	5.80	3.98	5.02	2.16	1.52
REP 09-GBC-352	QC	0.05	7.0	0.4	<0.05	7.2	11.22	24.7	0.03	<1	0.3	11.0	<10	3							
09-GBC-355	Till	0.06	7.8	0.9	<0.05	7.7	10.81	26.4	0.03	<1	0.4	11.1	<10	2	60.86	11.64	6.01	3.33	5.32	2.07	1.50
REP 09-GBC-355	QC																				
09-GBC-365	Till	0.04	8.4	0.4	<0.05	6.7	15.45	30.8	0.04	2	0.7	16.9	<10	2	61.09	12.98	7.74	3.74	1.93	2.04	1.59
REP 09-GBC-365	QC														61.18	12.96	7.71	3.71	1.94	2.01	1.59

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PHONE (604) 253-3158

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002941A.2

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
	Analyte	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
	Unit	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	MDL	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3	5	1	-5.1	0.01	0.02	0.02
09-GBC-286	Till	0.77	0.20	0.11	0.042	62	982	109	192	26	234	133	38	22	11	15	5.7	99.93	0.47	<0.02
09-GBC-324	Till	0.75	0.20	0.08	0.033	44	899	75	123	<20	261	151	<30	23	9	15	4.8	99.94	0.26	<0.02
09-GBC-362	Rock Pulp	0.91	0.16	0.07	0.018	71	612	92	47	<20	219	362	113	33	17	16	5.1	99.94	0.44	<0.02
09-GBC-399	Till	0.77	0.20	0.11	0.024	48	910	86	93	<20	252	167	49	24	7	15	5.1	99.93	0.17	<0.02
09-GBC-437	Till	0.83	0.23	0.12	0.030	53	948	111	134	22	267	144	41	23	7	16	5.5	99.93	0.27	<0.02
09-GBC-476	Till	0.67	0.26	0.12	0.018	72	1199	78	50	24	425	106	31	19	<5	16	4.4	99.95	0.13	<0.02
09-GBC-514	Till	0.65	0.31	0.11	0.016	56	997	105	58	<20	260	186	56	29	15	14	5.3	99.95	0.57	<0.02
09-GBC-528	Till	0.78	0.22	0.08	0.021	41	952	73	44	<20	289	196	53	23	13	15	4.0	99.95	0.41	<0.02
Pulp Duplicates																				
09-GBC-256	Till	0.73	0.20	0.13	0.029	55	933	104	126	26	271	140	50	22	13	15	7.3	99.93	0.94	<0.02
REP 09-GBC-256	QC	0.74	0.20	0.13	0.028	54	934	102	119	24	273	141	44	21	9	15	7.3	99.93		
09-GBC-279	Till	0.70	0.20	0.10	0.040	58	1021	92	152	20	253	126	33	21	6	14	7.7	99.93	1.17	<0.02
REP 09-GBC-279	QC																			
09-GBC-283	Till	0.71	0.21	0.13	0.030	73	1053	114	154	27	276	122	40	22	<5	16	8.7	99.93	1.51	<0.02
REP 09-GBC-283	QC																		1.50	<0.02
09-GBC-292	Till	0.77	0.23	0.12	0.032	68	1082	108	156	20	287	131	48	23	9	17	5.6	99.94	0.25	<0.02
REP 09-GBC-292	QC	0.76	0.24	0.12	0.030	65	1071	107	147	21	286	131	44	23	9	17	5.6	99.94		
09-GBC-315	Till	0.73	0.21	0.12	0.029	66	1114	96	121	21	263	131	44	20	6	15	5.4	99.94	0.29	<0.02
REP 09-GBC-315	QC																			
09-GBC-318	Till	0.75	0.21	0.12	0.026	54	962	95	127	24	294	134	35	20	6	14	6.1	99.93	0.52	<0.02
REP 09-GBC-318	QC																		0.53	<0.02
09-GBC-328	Till	0.71	0.18	0.07	0.034	40	949	66	97	<20	259	146	39	21	<5	13	4.0	99.97	0.21	<0.02
REP 09-GBC-328	QC	0.71	0.18	0.07	0.034	41	950	69	97	<20	262	144	32	20	8	13	4.0	99.96		
09-GBC-352	Till	0.74	0.20	0.11	0.038	58	993	116	171	<20	280	134	35	20	9	14	7.3	99.92	0.96	<0.02
REP 09-GBC-352	QC																			
09-GBC-355	Till	0.72	0.19	0.13	0.035	58	971	102	153	25	261	132	38	21	10	14	7.9	99.93	1.02	<0.02
REP 09-GBC-355	QC																		1.00	<0.02
09-GBC-365	Till	0.78	0.22	0.18	0.045	80	982	158	264	27	215	141	40	24	6	19	7.4	99.90	0.30	<0.02
REP 09-GBC-365	QC	0.78	0.21	0.18	0.046	78	983	160	268	32	215	138	39	23	7	18	7.4	99.90		

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002941A.2

		AQ250 Mo ppm 0.01	AQ250 Cu ppm 0.01	AQ250 Pb ppm 0.01	AQ250 Zn ppm 0.1	AQ250 Ag ppb 2	AQ250 Ni ppm 0.1	AQ250 Co ppm 0.1	AQ250 Mn ppm 1	AQ250 Fe % 0.01	AQ250 As ppm 0.1	AQ250 U ppm 0.1	AQ250 Au ppb 0.2	AQ250 Th ppm 0.1	AQ250 Sr ppm 0.5	AQ250 Cd ppm 0.01	AQ250 Sb ppm 0.02	AQ250 Bi ppm 0.02	AQ250 V ppm 1	AQ250 Ca % 0.01	AQ250 P % 0.001
09-GBC-388	Till	0.76	55.45	8.54	84.4	46	95.3	15.4	711	3.61	10.4	0.5	1.6	3.0	46.9	0.18	0.40	0.14	69	0.61	0.078
REP 09-GBC-388	QC	0.77	54.56	8.36	88.1	53	95.6	16.0	740	3.63	10.4	0.5	1.1	2.9	47.1	0.17	0.42	0.14	69	0.62	0.076
09-GBC-391	Till	0.85	55.37	7.69	80.6	55	101.5	15.9	674	3.35	9.7	0.5	2.5	2.8	33.9	0.24	0.44	0.14	64	0.55	0.076
REP 09-GBC-391	QC																				
09-GBC-400	Till	0.75	45.39	9.01	90.4	90	94.9	17.3	630	3.18	9.3	0.5	1.2	3.9	58.4	0.41	0.41	0.17	60	1.76	0.093
REP 09-GBC-400	QC																				
09-GBC-424	Till	0.66	46.82	6.57	80.6	51	76.7	12.8	605	3.15	9.3	0.5	2.3	2.6	50.4	0.23	0.50	0.09	74	0.57	0.084
REP 09-GBC-424	QC	0.73	50.77	6.77	80.5	55	75.3	12.5	587	3.18	9.2	0.6	3.3	2.6	55.0	0.23	0.49	0.09	76	0.59	0.087
09-GBC-427	Till	1.26	50.69	7.91	92.0	118	78.3	17.8	813	3.18	10.0	0.5	1.2	2.4	76.6	0.79	0.47	0.11	71	1.90	0.090
REP 09-GBC-427	QC																				
09-GBC-436	Till	1.99	55.06	8.24	117.2	76	121.4	18.0	779	3.95	22.0	0.5	1.6	2.4	68.4	0.64	1.24	0.12	77	0.85	0.110
REP 09-GBC-436	QC																				
09-GBC-459	Till	1.09	52.74	8.80	78.7	88	95.5	11.8	431	3.20	20.2	0.5	21.8	2.1	46.4	0.20	0.81	0.12	67	0.57	0.094
REP 09-GBC-459	QC	1.04	52.46	8.62	77.4	78	99.3	10.5	409	3.21	19.0	0.5	9.0	2.2	44.1	0.21	0.80	0.12	67	0.57	0.094
09-GBC-463	Till	1.39	59.65	8.16	105.3	106	148.7	18.8	669	3.70	12.7	0.5	2.2	2.4	47.2	0.66	0.61	0.13	75	0.81	0.073
REP 09-GBC-463	QC																				
09-GBC-472	Till	0.99	66.92	6.26	79.6	110	54.4	17.4	868	3.45	9.6	0.5	1.7	2.6	51.3	0.40	0.46	0.11	93	0.70	0.100
REP 09-GBC-472	QC																				
09-GBC-496	Till	0.92	44.27	5.76	80.1	55	78.1	15.4	654	2.90	8.8	0.4	1.9	2.1	69.3	0.56	0.48	0.08	67	1.83	0.090
REP 09-GBC-496	QC	0.95	45.03	5.92	81.5	59	80.3	15.8	671	2.97	8.9	0.5	2.5	2.2	71.5	0.58	0.45	0.09	69	1.87	0.093
09-GBC-499	Till	0.30	22.51	4.12	35.8	39	54.7	7.1	213	1.42	2.1	0.4	1.7	1.7	17.6	0.02	0.16	0.06	34	0.30	0.038
REP 09-GBC-499	QC																				
09-GBC-508	Till	1.52	40.07	6.24	47.5	152	29.2	11.3	469	2.56	9.0	0.9	4.3	3.8	25.3	0.20	0.93	0.09	59	0.48	0.102
REP 09-GBC-508	QC																				
09-GBC-524	Till	1.08	62.34	8.17	80.4	143	38.1	14.7	610	3.40	14.2	0.5	7.4	4.3	51.3	0.36	0.67	0.13	77	1.26	0.107
REP 09-GBC-524	QC	1.11	63.35	8.15	82.0	134	39.2	15.1	618	3.45	14.5	0.5	2.1	4.2	52.0	0.36	0.65	0.13	80	1.29	0.109
Reference Materials																					
STD BVGEO01	Standard	10.22	4432.68	177.55	1809.2	2558	161.7	25.0	736	3.78	123.0	3.7	210.6	15.1	56.8	7.01	2.04	25.78	73	1.30	0.080
STD BVGEO01	Standard	10.71	4485.73	183.88	1842.4	2685	159.7	22.8	751	3.89	125.7	3.8	237.5	15.3	64.8	7.28	2.21	26.49	73	1.32	0.077

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3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002941A.2

		AQ250 La ppm 0.5	AQ250 Cr ppm 0.5	AQ250 Mg % 0.01	AQ250 Ba ppm 0.5	AQ250 Ti % 0.001	AQ250 B ppm 20	AQ250 Al % 0.01	AQ250 Na % 0.001	AQ250 K % 0.01	AQ250 W ppm 0.1	AQ250 Sc ppm 0.1	AQ250 Tl ppm 0.02	AQ250 S % 0.02	AQ250 Hg ppb 5	AQ250 Se ppm 0.1	AQ250 Te ppm 0.02	AQ250 Ga ppm 0.1	AQ250 Cs ppm 0.02	AQ250 Ge ppm 0.1	AQ250 Hf ppm 0.02
09-GBC-388	Till	14.5	77.9	1.04	330.9	0.089	<20	1.84	0.022	0.10	<0.1	8.4	0.16	<0.02	90	0.4	0.04	5.7	1.12	<0.1	0.23
REP 09-GBC-388	QC	14.3	78.4	1.04	327.8	0.092	<20	1.87	0.022	0.11	<0.1	8.7	0.16	<0.02	87	0.3	0.04	5.5	1.15	<0.1	0.22
09-GBC-391	Till	13.6	83.0	1.02	321.6	0.090	<20	1.62	0.022	0.10	<0.1	7.8	0.16	<0.02	82	0.2	0.03	5.0	1.03	<0.1	0.19
REP 09-GBC-391	QC																				
09-GBC-400	Till	14.4	73.0	1.13	197.2	0.082	<20	1.56	0.016	0.12	<0.1	6.5	0.16	<0.02	71	<0.1	0.06	4.9	1.24	<0.1	0.26
REP 09-GBC-400	QC																				
09-GBC-424	Till	15.4	71.4	0.78	204.4	0.113	<20	1.58	0.014	0.07	<0.1	8.6	0.16	<0.02	178	<0.1	0.03	4.9	0.75	<0.1	0.19
REP 09-GBC-424	QC	16.4	72.5	0.79	217.7	0.120	<20	1.65	0.016	0.08	<0.1	9.5	0.18	<0.02	148	0.2	0.04	5.4	0.85	<0.1	0.15
09-GBC-427	Till	13.2	64.8	1.01	233.0	0.093	<20	1.55	0.020	0.11	<0.1	8.0	0.22	<0.02	139	0.1	0.04	4.6	0.96	<0.1	0.13
REP 09-GBC-427	QC																				
09-GBC-436	Till	13.7	70.2	1.07	257.4	0.067	<20	1.67	0.015	0.09	<0.1	9.9	0.33	<0.02	427	0.5	0.03	4.1	0.76	<0.1	0.13
REP 09-GBC-436	QC																				
09-GBC-459	Till	13.2	82.8	0.74	186.0	0.095	<20	1.21	0.014	0.05	<0.1	7.1	0.18	<0.02	235	0.4	0.11	3.7	0.52	<0.1	0.14
REP 09-GBC-459	QC	12.7	80.2	0.75	185.9	0.088	<20	1.23	0.014	0.05	<0.1	6.9	0.17	<0.02	259	0.1	0.09	3.7	0.50	<0.1	0.13
09-GBC-463	Till	12.4	92.9	1.48	222.0	0.086	<20	1.67	0.014	0.10	<0.1	7.7	0.26	<0.02	213	<0.1	0.04	4.8	0.88	<0.1	0.16
REP 09-GBC-463	QC																				
09-GBC-472	Till	13.2	57.6	0.87	239.8	0.127	<20	1.90	0.024	0.15	<0.1	8.8	0.15	<0.02	129	0.3	0.04	6.2	0.95	<0.1	0.15
REP 09-GBC-472	QC																				
09-GBC-496	Till	11.2	57.5	0.99	207.1	0.097	<20	1.32	0.018	0.09	<0.1	6.5	0.16	<0.02	391	0.3	0.03	4.3	0.79	<0.1	0.16
REP 09-GBC-496	QC	11.6	59.2	1.02	212.9	0.098	<20	1.38	0.019	0.09	<0.1	6.7	0.16	<0.02	181	0.3	0.03	4.4	0.80	<0.1	0.12
09-GBC-499	Till	10.0	63.5	0.49	181.8	0.082	<20	1.04	0.009	0.04	<0.1	4.0	0.08	<0.02	35	0.2	<0.02	3.2	0.46	<0.1	0.07
REP 09-GBC-499	QC																				
09-GBC-508	Till	17.4	38.6	0.51	84.9	0.076	<20	0.98	0.009	0.06	0.3	4.7	0.09	<0.02	57	0.6	0.03	3.4	0.60	<0.1	0.04
REP 09-GBC-508	QC																				
09-GBC-524	Till	14.2	54.3	0.89	181.9	0.103	<20	1.76	0.011	0.18	<0.1	7.1	0.14	<0.02	54	0.4	0.04	5.5	1.17	<0.1	0.12
REP 09-GBC-524	QC	14.3	55.4	0.91	185.9	0.102	<20	1.78	0.011	0.18	<0.1	7.2	0.14	<0.02	55	0.5	0.04	5.7	1.18	<0.1	0.11
Reference Materials																					
STD BVGEO01	Standard	26.9	158.2	1.33	337.6	0.223	<20	2.31	0.192	0.94	3.4	6.1	0.61	0.67	105	5.4	1.02	7.2	7.05	0.1	0.33
STD BVGEO01	Standard	27.6	174.7	1.34	351.4	0.240	<20	2.40	0.194	0.88	3.7	6.3	0.62	0.64	94	5.3	1.09	7.7	7.37	0.2	0.35

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Project: BG_RE_01
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QUALITY CONTROL REPORT VAN19002941A.2

		AQ250 Nb ppm 0.02	AQ250 Rb ppm 0.1	AQ250 Sn ppm 0.1	AQ250 Ta ppm 0.05	AQ250 Zr ppm 0.1	AQ250 Y ppm 0.01	AQ250 Ce ppm 0.1	AQ250 In ppm 0.02	AQ250 Re ppb 1	AQ250 Be ppm 0.1	AQ250 Li ppm 0.1	AQ250 Pd ppb 10	AQ250 Pt ppb 2	LF300 SiO2 % 0.01	LF300 Al2O3 % 0.01	LF300 Fe2O3 % 0.04	LF300 MgO % 0.01	LF300 CaO % 0.01	LF300 Na2O % 0.01	LF300 K2O % 0.01
09-GBC-388	Till	0.05	7.3	0.4	<0.05	9.2	12.67	26.6	0.04	<1	0.5	12.5	<10	2	65.18	13.15	6.23	2.57	2.10	2.19	1.57
REP 09-GBC-388	QC	0.06	7.5	0.3	<0.05	9.2	11.91	26.3	0.04	1	0.5	13.7	<10	<2							
09-GBC-391	Till	0.05	7.3	0.4	<0.05	8.6	11.09	24.8	0.04	<1	0.5	10.4	<10	2	67.29	12.05	5.75	2.72	2.06	2.17	1.50
REP 09-GBC-391	QC																				
09-GBC-400	Till	0.06	8.6	0.4	<0.05	10.3	10.86	30.3	0.03	<1	0.4	15.2	<10	<2	63.19	12.87	5.76	2.76	3.77	2.10	1.68
REP 09-GBC-400	QC														63.52	12.70	5.75	2.73	3.71	2.07	1.67
09-GBC-424	Till	0.08	5.3	0.4	<0.05	8.8	14.65	27.0	0.02	<1	0.6	9.4	<10	<2	66.81	12.94	5.68	2.06	2.11	2.63	1.60
REP 09-GBC-424	QC	0.08	5.8	0.5	<0.05	8.5	14.25	28.5	0.03	<1	0.8	9.8	<10	<2							
09-GBC-427	Till	0.06	6.7	0.7	<0.05	6.3	10.47	26.5	0.03	3	0.3	11.0	<10	3	63.66	12.42	5.74	2.48	4.13	2.40	1.57
REP 09-GBC-427	QC																				
09-GBC-436	Till	0.06	5.7	0.4	<0.05	7.6	13.63	26.2	0.04	1	0.4	9.6	<10	<2	62.13	13.58	7.04	2.63	2.22	2.11	1.67
REP 09-GBC-436	QC														62.25	13.58	7.00	2.61	2.21	2.09	1.67
09-GBC-459	Till	0.08	3.5	0.2	<0.05	7.4	12.67	22.2	0.03	<1	0.4	7.0	<10	3	67.46	11.87	6.05	2.17	2.62	2.59	1.36
REP 09-GBC-459	QC	0.08	3.3	0.2	<0.05	7.3	12.10	20.9	<0.02	<1	0.4	7.4	<10	<2							
09-GBC-463	Till	0.05	5.9	0.3	<0.05	6.8	11.41	23.1	0.03	<1	0.3	10.6	<10	<2	63.03	12.63	6.67	3.58	2.36	2.20	1.58
REP 09-GBC-463	QC																				
09-GBC-472	Till	0.08	9.8	0.4	<0.05	8.3	11.30	24.3	0.03	<1	0.5	11.8	<10	<2	64.21	13.62	6.17	2.22	2.48	2.70	2.11
REP 09-GBC-472	QC														63.89	13.77	6.21	2.25	2.51	2.73	2.13
09-GBC-496	Till	0.03	5.6	0.3	<0.05	7.6	9.59	21.9	0.02	<1	0.4	8.9	<10	<2	64.19	12.08	5.51	2.61	4.27	2.56	1.65
REP 09-GBC-496	QC	0.03	5.7	0.3	<0.05	6.4	9.85	22.8	0.02	<1	0.4	9.2	<10	<2							
09-GBC-499	Till	0.14	4.8	0.4	<0.05	3.4	6.97	19.1	<0.02	<1	0.3	7.3	<10	<2	74.98	10.59	2.95	1.61	1.66	2.60	1.26
REP 09-GBC-499	QC																				
09-GBC-508	Till	0.21	5.7	0.2	<0.05	2.4	11.38	28.4	<0.02	<1	0.3	8.4	<10	<2	70.11	11.65	5.19	1.80	2.78	2.48	1.84
REP 09-GBC-508	QC														69.88	11.81	5.21	1.81	2.81	2.45	1.86
09-GBC-524	Till	0.05	11.3	0.8	<0.05	5.7	10.06	26.6	0.02	<1	0.5	15.3	<10	<2	63.36	12.73	6.48	2.49	3.71	2.03	1.91
REP 09-GBC-524	QC	0.04	11.5	0.4	<0.05	5.6	10.26	26.9	0.02	<1	0.5	15.7	<10	<2							
Reference Materials																					
STD BVGEO01	Standard	0.15	97.4	5.6	<0.05	9.8	14.49	52.3	0.45	3	0.6	24.0	114	180							
STD BVGEO01	Standard	0.15	100.5	6.1	<0.05	10.6	15.05	56.6	0.53	4	0.9	24.2	129	197							

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002941A.2

		LF300 TiO2 % 0.01	LF300 P2O5 % 0.01	LF300 MnO % 0.01	LF300 Cr2O3 % 0.002	LF300 Cu ppm 5	LF300 Ba ppm 5	LF300 Zn ppm 5	LF300 Ni ppm 20	LF300 Co ppm 20	LF300 Sr ppm 2	LF300 Zr ppm 5	LF300 Ce ppm 30	LF300 Y ppm 3	LF300 Nb ppm 5	LF300 Sc ppm 1	LF300 LOI % -5.1	LF300 Sum % 0.01	TC000 TOT/C % 0.02	TC000 TOT/S % 0.02
09-GBC-388	Till	0.80	0.20	0.11	0.027	58	1061	97	110	<20	249	148	34	24	8	17	5.6	99.94	0.24	<0.02
REP 09-GBC-388	QC																			
09-GBC-391	Till	0.75	0.19	0.11	0.030	57	1233	96	115	<20	237	136	30	22	9	16	5.1	99.93	0.23	<0.02
REP 09-GBC-391	QC																		0.22	<0.02
09-GBC-400	Till	0.76	0.21	0.11	0.025	48	865	98	107	<20	256	161	41	22	8	14	6.5	99.92	0.62	<0.02
REP 09-GBC-400	QC	0.75	0.19	0.10	0.025	47	862	96	107	<20	253	158	43	22	9	15	6.5	99.92		
09-GBC-424	Till	0.83	0.21	0.09	0.032	54	1012	106	90	<20	318	139	43	25	12	16	4.7	99.94	0.21	<0.02
REP 09-GBC-424	QC																			
09-GBC-427	Till	0.74	0.22	0.13	0.024	53	949	106	89	<20	316	131	44	21	11	15	6.2	99.93	0.72	<0.02
REP 09-GBC-427	QC																		0.69	<0.02
09-GBC-436	Till	0.82	0.27	0.13	0.030	64	1078	138	143	25	283	142	40	25	12	18	7.1	99.91	0.51	<0.02
REP 09-GBC-436	QC	0.82	0.27	0.13	0.031	62	1072	137	135	24	280	137	36	25	13	18	7.1	99.93		
09-GBC-459	Till	0.79	0.22	0.08	0.042	56	887	90	115	<20	315	163	<30	24	6	16	4.5	99.95	0.21	<0.02
REP 09-GBC-459	QC																			
09-GBC-463	Till	0.77	0.21	0.11	0.034	65	971	122	165	23	251	131	34	23	6	17	6.5	99.92	0.40	<0.02
REP 09-GBC-463	QC																		0.40	<0.02
09-GBC-472	Till	0.71	0.25	0.14	0.020	69	1137	90	66	20	382	119	42	19	<5	17	5.1	99.95	0.26	<0.02
REP 09-GBC-472	QC	0.71	0.26	0.14	0.020	72	1140	89	66	22	387	124	37	19	<5	17	5.1	99.95		
09-GBC-496	Till	0.77	0.24	0.11	0.028	74	972	99	94	23	342	142	49	21	<5	15	5.7	99.95	0.63	<0.02
REP 09-GBC-496	QC																			
09-GBC-499	Till	0.71	0.10	0.05	0.048	28	854	47	66	<20	233	133	40	17	6	11	3.3	99.98	0.24	<0.02
REP 09-GBC-499	QC																		0.24	<0.02
09-GBC-508	Till	0.81	0.26	0.10	0.022	41	942	59	36	<20	333	326	84	32	15	15	2.7	99.95	0.18	<0.02
REP 09-GBC-508	QC	0.81	0.26	0.10	0.022	42	937	60	35	<20	340	341	68	31	15	15	2.7	99.94		
09-GBC-524	Till	0.80	0.27	0.11	0.018	66	1003	95	48	<20	316	247	73	26	12	18	5.8	99.93	0.45	<0.02
REP 09-GBC-524	QC																		0.44	<0.02
Reference Materials																				
STD BVGEO01	Standard																			
STD BVGEO01	Standard																			

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PHONE (604) 253-3158

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002941A.2

		AQ250 Mo ppm 0.01	AQ250 Cu ppm 0.01	AQ250 Pb ppm 0.01	AQ250 Zn ppm 0.1	AQ250 Ag ppb 2	AQ250 Ni ppm 0.1	AQ250 Co ppm 0.1	AQ250 Mn ppm 1	AQ250 Fe % 0.01	AQ250 As ppm 0.1	AQ250 U ppm 0.1	AQ250 Au ppb 0.2	AQ250 Th ppm 0.1	AQ250 Sr ppm 0.5	AQ250 Cd ppm 0.01	AQ250 Sb ppm 0.02	AQ250 Bi ppm 0.02	AQ250 V ppm 1	AQ250 Ca % 0.01	AQ250 P % 0.001
STD BVGEO01	Standard	10.38	4336.98	185.76	1698.9	2556	160.9	24.1	754	3.64	114.5	3.8	225.7	14.6	55.9	6.41	1.79	25.90	72	1.28	0.074
STD BVGEO01	Standard	10.44	4352.38	171.14	1712.3	2631	161.2	25.0	707	3.72	117.9	3.6	206.6	13.6	54.8	6.31	1.85	22.56	73	1.28	0.067
STD DS11	Standard	13.79	147.48	139.13	312.1	1480	75.1	12.7	936	2.94	37.4	2.4	52.7	8.1	55.7	1.93	5.85	10.27	44	1.00	0.063
STD DS11	Standard	13.73	167.79	140.86	343.5	1731	75.9	13.0	997	3.09	46.8	2.6	107.8	7.7	68.0	2.70	7.10	13.00	49	1.08	0.080
STD DS11	Standard	14.14	158.79	137.00	322.6	1694	76.3	14.0	1031	3.16	42.4	2.7	64.3	7.7	67.1	2.25	6.52	11.73	50	1.06	0.067
STD DS11	Standard	13.38	142.67	122.69	336.6	1774	78.4	13.3	964	2.99	41.4	2.4	77.1	7.4	61.4	2.32	5.67	9.81	46	1.00	0.063
STD GS311-1	Standard																				
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STD OREAS262	Standard	0.62	113.29	58.53	161.6	463	70.2	29.7	544	3.35	36.2	1.2	62.5	10.0	31.8	0.60	2.07	1.03	20	3.04	0.039
STD OREAS262	Standard	0.58	121.27	54.61	155.1	463	63.0	24.8	535	3.25	34.8	1.3	56.0	9.1	36.2	0.66	2.24	1.04	22	2.98	0.039
STD OREAS262	Standard	0.61	130.56	57.26	161.8	483	59.7	25.7	537	3.32	37.3	1.3	57.7	9.5	38.9	0.75	2.49	1.10	22	3.09	0.043
STD OREAS262	Standard	0.67	119.69	57.20	156.1	473	68.0	26.0	544	3.45	36.0	1.2	64.3	10.1	39.2	0.69	2.52	1.09	21	3.12	0.042
STD OREAS262	Standard	0.63	128.27	58.13	164.3	499	65.2	28.4	554	3.36	37.4	1.3	56.4	10.7	37.7	0.67	1.83	1.07	23	3.00	0.041
STD OREAS262	Standard	0.60	116.39	55.29	157.5	468	63.8	25.6	551	3.25	35.0	1.2	54.6	9.2	36.7	0.64	2.13	1.05	21	2.98	0.038
STD OREAS262	Standard	0.67	117.96	52.47	149.2	479	64.9	27.6	527	3.31	34.9	1.1	50.6	8.6	32.4	0.62	1.77	0.95	22	2.96	0.036

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PHONE (604) 253-3158

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002941A.2

		AQ250 La ppm 0.5	AQ250 Cr ppm 0.5	AQ250 Mg % 0.01	AQ250 Ba ppm 0.5	AQ250 Ti % 0.001	AQ250 B ppm 20	AQ250 Al % 0.01	AQ250 Na % 0.001	AQ250 K % 0.01	AQ250 W ppm 0.1	AQ250 Sc ppm 0.1	AQ250 Tl ppm 0.02	AQ250 S % 0.02	AQ250 Hg ppb 5	AQ250 Se ppm 0.1	AQ250 Te ppm 0.02	AQ250 Ga ppm 0.1	AQ250 Cs ppm 0.02	AQ250 Ge ppm 0.1	AQ250 Hf ppm 0.02
STD BVGEO01	Standard	27.1	157.9	1.28	343.8	0.223	<20	2.23	0.184	0.87	3.7	5.8	0.62	0.67	98	4.8	0.99	7.3	7.04	0.1	0.30
STD BVGEO01	Standard	24.6	169.2	1.29	312.9	0.235	<20	2.30	0.191	0.88	3.6	5.9	0.63	0.66	103	4.9	0.94	7.5	7.01	0.1	0.36
STD DS11	Standard	15.1	58.9	0.80	367.0	0.082	<20	1.09	0.069	0.38	2.4	2.9	4.62	0.26	226	1.9	4.34	4.1	2.66	<0.1	0.06
STD DS11	Standard	17.6	57.1	0.88	429.7	0.085	<20	1.12	0.068	0.40	3.5	3.3	5.08	0.29	286	2.3	4.73	5.1	2.94	<0.1	0.07
STD DS11	Standard	18.8	57.9	0.85	417.2	0.092	<20	1.18	0.073	0.41	2.7	3.3	4.74	0.28	270	2.3	4.56	4.6	2.90	<0.1	0.07
STD DS11	Standard	16.1	55.9	0.80	409.5	0.088	<20	1.10	0.068	0.38	2.4	3.0	4.73	0.27	282	2.3	4.55	5.0	2.69	<0.1	0.06
STD GS311-1	Standard																				
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STD OREAS262	Standard	15.7	48.0	1.18	251.6	0.003	<20	1.25	0.070	0.30	0.1	3.4	0.49	0.25	180	0.5	0.23	3.8	2.39	<0.1	0.21
STD OREAS262	Standard	16.2	36.3	1.19	249.6	0.003	<20	1.23	0.068	0.31	<0.1	3.3	0.43	0.26	161	0.5	0.22	3.5	2.22	<0.1	0.17
STD OREAS262	Standard	17.2	39.3	1.21	266.3	0.003	<20	1.22	0.069	0.31	0.1	3.2	0.47	0.26	166	0.2	0.29	3.9	2.35	<0.1	0.25
STD OREAS262	Standard	17.4	43.3	1.21	251.7	0.003	<20	1.30	0.070	0.32	0.1	3.5	0.48	0.25	184	0.7	0.23	4.0	2.50	<0.1	0.21
STD OREAS262	Standard	17.5	47.4	1.21	265.3	0.003	<20	1.37	0.071	0.33	<0.1	3.9	0.49	0.27	164	0.4	0.27	3.8	2.57	<0.1	0.18
STD OREAS262	Standard	15.9	41.7	1.17	244.0	0.003	<20	1.21	0.067	0.29	<0.1	3.3	0.47	0.26	180	0.3	0.23	3.8	2.24	<0.1	0.19
STD OREAS262	Standard	15.1	42.0	1.18	223.5	0.003	<20	1.26	0.069	0.30	<0.1	3.1	0.46	0.25	167	0.8	0.22	4.1	2.28	<0.1	0.21

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Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002941A.2

		AQ250 Nb ppm 0.02	AQ250 Rb ppm 0.1	AQ250 Sn ppm 0.1	AQ250 Ta ppm 0.05	AQ250 Zr ppm 0.1	AQ250 Y ppm 0.01	AQ250 Ce ppm 0.1	AQ250 In ppm 0.02	AQ250 Re ppb 1	AQ250 Be ppm 0.1	AQ250 Li ppm 0.1	AQ250 Pd ppb 10	AQ250 Pt ppb 2	LF300 SiO2 % 0.01	LF300 Al2O3 % 0.01	LF300 Fe2O3 % 0.04	LF300 MgO % 0.01	LF300 CaO % 0.01	LF300 Na2O % 0.01	LF300 K2O % 0.01
STD BVGEO01	Standard	0.11	92.3	5.3	<0.05	8.3	14.37	50.9	0.48	3	0.5	20.2	143	184							
STD BVGEO01	Standard	0.11	94.3	5.0	<0.05	10.6	14.02	50.4	0.44	4	0.7	19.3	156	177							
STD DS11	Standard	1.05	30.1	1.6	<0.05	2.5	6.63	35.9	0.21	42	0.6	24.9	101	159							
STD DS11	Standard	1.26	37.3	1.9	<0.05	3.1	7.85	35.9	0.30	50	0.9	27.0	92	175							
STD DS11	Standard	1.46	32.9	1.7	<0.05	3.0	7.78	37.6	0.23	49	0.5	23.9	105	160							
STD DS11	Standard	1.16	32.1	1.5	<0.05	2.8	7.19	32.7	0.23	41	0.6	20.8	100	160							
STD GS311-1	Standard																				
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STD OREAS262	Standard	<0.02	18.5	0.4	<0.05	8.1	10.48	31.5	0.04	1	1.1	19.2	<10	<2							
STD OREAS262	Standard	<0.02	19.0	0.3	<0.05	7.4	11.32	32.5	0.03	<1	1.0	16.9	<10	3							
STD OREAS262	Standard	<0.02	20.0	0.5	<0.05	8.9	10.76	33.7	0.03	1	0.9	17.0	<10	<2							
STD OREAS262	Standard	<0.02	20.2	0.4	<0.05	8.8	11.69	36.2	0.04	1	1.1	18.8	<10	<2							
STD OREAS262	Standard	<0.02	21.1	0.6	<0.05	7.7	12.10	36.8	0.03	1	1.2	19.5	<10	<2							
STD OREAS262	Standard	<0.02	18.5	0.3	<0.05	7.7	10.34	31.1	0.03	<1	1.1	18.0	<10	<2							
STD OREAS262	Standard	<0.02	18.0	0.4	<0.05	9.2	10.24	30.0	0.03	<1	1.1	15.8	<10	<2							

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002941A.2

		LF300 TiO2 % 0.01	LF300 P2O5 % 0.01	LF300 MnO % 0.01	LF300 Cr2O3 % 0.002	LF300 Cu ppm 5	LF300 Ba ppm 5	LF300 Zn ppm 5	LF300 Ni ppm 20	LF300 Co ppm 20	LF300 Sr ppm 2	LF300 Zr ppm 5	LF300 Ce ppm 30	LF300 Y ppm 3	LF300 Nb ppm 5	LF300 Sc ppm 1	LF300 LOI % -5.1	LF300 Sum % 0.01	TC000 TOT/C % 0.02	TC000 TOT/S % 0.02
STD BVGEO01	Standard																			
STD BVGEO01	Standard																			
STD DS11	Standard																			
STD DS11	Standard																			
STD DS11	Standard																			
STD DS11	Standard																			
STD GS311-1	Standard																		1.05	2.33
STD GS311-1	Standard																		1.01	2.35
STD GS311-1	Standard																		1.01	2.31
STD GS311-1	Standard																		1.01	2.28
STD GS311-1	Standard																		1.04	2.19
STD GS311-1	Standard																		1.03	2.19
STD GS311-1	Standard																		1.04	2.21
STD GS311-1	Standard																		1.04	2.30
STD GS910-4	Standard																		2.77	8.08
STD GS910-4	Standard																		2.69	8.10
STD GS910-4	Standard																		2.70	8.39
STD GS910-4	Standard																		2.69	8.01
STD GS910-4	Standard																		2.72	8.26
STD GS910-4	Standard																		2.73	8.19
STD GS910-4	Standard																		2.76	8.25
STD GS910-4	Standard																		2.75	7.88
STD OREAS262	Standard																			
STD OREAS262	Standard																			
STD OREAS262	Standard																			
STD OREAS262	Standard																			
STD OREAS262	Standard																			
STD OREAS262	Standard																			
STD OREAS262	Standard																			

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3890 Trailhead Drive
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Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002941A.2

		AQ250 Mo ppm 0.01	AQ250 Cu ppm 0.01	AQ250 Pb ppm 0.01	AQ250 Zn ppm 0.1	AQ250 Ag ppb 2	AQ250 Ni ppm 0.1	AQ250 Co ppm 0.1	AQ250 Mn ppm 1	AQ250 Fe % 0.01	AQ250 As ppm 0.1	AQ250 U ppm 0.1	AQ250 Au ppb 0.2	AQ250 Th ppm 0.1	AQ250 Sr ppm 0.5	AQ250 Cd ppm 0.01	AQ250 Sb ppm 0.02	AQ250 Bi ppm 0.02	AQ250 V ppm 1	AQ250 Ca % 0.01	AQ250 P % 0.001
STD OREAS262	Standard	0.65	116.40	49.47	145.3	466	64.6	27.5	512	3.18	34.6	1.1	49.0	8.1	32.1	0.62	1.83	0.85	20	2.85	0.035
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
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STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD BVGEO01 Expected		10.8	4415	187	1741	2530	163	25	733	3.7	121	3.77	219	14.4	55	6.5	2.2	25.6	73	1.3219	0.0727
STD DS11 Expected		13.9	149	138	345	1710	77.7	14.2	1055	3.1	42.8	2.59	79	7.65	67.3	2.37	7.2	12.2	50	1.063	0.0701
STD OREAS262 Expected		0.68	118	56	154	450	62	26.9	530	3.284	35.8	1.22	65	9.33	36	0.61	3.39	1.03	22.5	2.98	0.04
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD SO-19 Expected																					
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	0.4	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001
BLK	Blank	<0.01	<0.01	0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002941A.2

		AQ250 La ppm 0.5	AQ250 Cr ppm 0.5	AQ250 Mg % 0.01	AQ250 Ba ppm 0.5	AQ250 Ti % 0.001	AQ250 B ppm 20	AQ250 Al % 0.01	AQ250 Na % 0.001	AQ250 K % 0.01	AQ250 W ppm 0.1	AQ250 Sc ppm 0.1	AQ250 Tl ppm 0.02	AQ250 S % 0.02	AQ250 Hg ppb 5	AQ250 Se ppm 0.1	AQ250 Te ppm 0.02	AQ250 Ga ppm 0.1	AQ250 Cs ppm 0.02	AQ250 Ge ppm 0.1	AQ250 Hf ppm 0.02
STD OREAS262	Standard	13.7	41.1	1.14	241.1	0.003	<20	1.20	0.066	0.29	<0.1	3.0	0.43	0.25	155	0.8	0.20	3.8	2.10	<0.1	0.22
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
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STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD BVGEO01 Expected		25.9	171	1.2963	340	0.233		2.347	0.1924	0.89	3.5	5.97	0.62	0.6655	100	4.84	1.02	7.37	7.36	0.15	0.32
STD DS11 Expected		18.6	61.5	0.85	417	0.0976		1.129	0.0694	0.4	2.9	3.1	4.9	0.2835	260	2.2	4.56	4.7	2.88	0.08	0.06
STD OREAS262 Expected		15.9	41.7	1.17	248	0.003		1.204	0.071	0.312	0.13	3.24	0.47	0.253	170	0.4	0.23	3.73	2.8		0.27
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD SO-19 Expected																					
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	0.6	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002941A.2

		AQ250 Nb ppm 0.02	AQ250 Rb ppm 0.1	AQ250 Sn ppm 0.1	AQ250 Ta ppm 0.05	AQ250 Zr ppm 0.1	AQ250 Y ppm 0.01	AQ250 Ce ppm 0.1	AQ250 In ppm 0.02	AQ250 Re ppb 1	AQ250 Be ppm 0.1	AQ250 Li ppm 0.1	AQ250 Pd ppb 10	AQ250 Pt ppb 2	LF300 SiO2 % 0.01	LF300 Al2O3 % 0.01	LF300 Fe2O3 % 0.04	LF300 MgO % 0.01	LF300 CaO % 0.01	LF300 Na2O % 0.01	LF300 K2O % 0.01
STD OREAS262	Standard	<0.02	16.9	0.4	<0.05	9.3	9.76	27.4	0.03	1	1.1	15.7	<10	<2							
STD SO-19	Standard														60.43	13.95	7.57	2.92	5.98	3.96	1.26
STD SO-19	Standard														60.45	14.05	7.46	2.93	5.95	3.98	1.28
STD SO-19	Standard														60.46	14.01	7.53	2.89	5.91	4.00	1.28
STD SO-19	Standard														60.45	13.99	7.49	2.91	5.93	4.04	1.29
STD SO-19	Standard														60.53	13.95	7.48	2.90	5.95	4.01	1.27
STD SO-19	Standard														60.66	13.94	7.38	2.90	5.93	4.03	1.26
STD SO-19	Standard														60.43	13.98	7.49	2.93	5.97	4.03	1.29
STD SO-19	Standard														60.51	13.99	7.45	2.93	5.94	4.03	1.28
STD SO-19	Standard														60.27	14.06	7.51	2.93	5.98	4.03	1.31
STD SO-19	Standard														60.42	13.92	7.49	2.92	5.98	4.08	1.28
STD SO-19	Standard														60.43	13.98	7.43	2.92	5.98	4.07	1.28
STD SO-19	Standard														60.56	14.01	7.40	2.92	5.96	4.00	1.26
STD SO-19	Standard														60.48	13.94	7.40	2.90	5.95	4.11	1.29
STD SO-19	Standard														60.84	13.85	7.26	2.89	5.89	4.11	1.27
STD SO-19	Standard														60.63	13.91	7.44	2.92	5.94	4.00	1.27
STD SO-19	Standard														60.93	13.85	7.33	2.88	5.93	3.97	1.26
STD SO-19	Standard														60.67	13.90	7.41	2.90	5.91	4.03	1.29
STD BVGEO01 Expected		0.17	95	5.64		9.1	14.5	53	0.47	4	0.69	21.4	134	182							
STD DS11 Expected		1.2	33.6	1.8		2.4	7.82	37	0.24	50	0.67	23.3	100	172							
STD OREAS262 Expected			18.6	0.5		8.3	11.2	32	0.033		1.14	17.8									
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD SO-19 Expected															61.13	13.95	7.47	2.88	6	4.11	1.29
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							
BLK	Blank	<0.02	<0.1	<0.1	<0.05	0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							
BLK	Blank	<0.02	<0.1	<0.1	<0.05	0.3	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							
BLK	Blank	<0.02	<0.1	<0.1	<0.05	0.4	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002941A.2

		LF300 TiO2 % 0.01	LF300 P2O5 % 0.01	LF300 MnO % 0.01	LF300 Cr2O3 % 0.002	LF300 Cu ppm 5	LF300 Ba ppm 5	LF300 Zn ppm 5	LF300 Ni ppm 20	LF300 Co ppm 20	LF300 Sr ppm 2	LF300 Zr ppm 5	LF300 Ce ppm 30	LF300 Y ppm 3	LF300 Nb ppm 5	LF300 Sc ppm 1	LF300 LOI % -5.1	LF300 Sum % 0.01	TC000 TOT/C % 0.02	TC000 TOT/S % 0.02
STD OREAS262	Standard																			
STD SO-19	Standard	0.70	0.32	0.13	0.499	66	477	83	474	25	318	113	159	35	75	27	1.9	99.89		
STD SO-19	Standard	0.70	0.32	0.13	0.503	68	471	88	475	20	316	114	156	34	67	27	1.9	99.90		
STD SO-19	Standard	0.70	0.32	0.13	0.509	66	471	83	471	25	312	115	162	35	76	27	1.9	99.91		
STD SO-19	Standard	0.70	0.32	0.13	0.510	67	467	81	473	27	311	114	157	35	70	26	1.9	99.91		
STD SO-19	Standard	0.70	0.33	0.13	0.497	66	467	83	464	26	315	117	158	35	79	27	1.9	99.91		
STD SO-19	Standard	0.70	0.33	0.13	0.495	64	463	80	466	24	316	114	157	35	74	27	1.9	99.92		
STD SO-19	Standard	0.70	0.31	0.13	0.497	72	461	85	470	23	313	115	144	35	66	26	1.9	99.92		
STD SO-19	Standard	0.70	0.32	0.13	0.497	71	457	79	463	25	311	115	150	34	67	26	1.9	99.92		
STD SO-19	Standard	0.71	0.33	0.13	0.508	69	470	82	476	31	319	112	162	35	71	27	1.9	99.91		
STD SO-19	Standard	0.71	0.31	0.13	0.512	71	471	83	484	29	317	111	163	35	65	27	1.9	99.92		
STD SO-19	Standard	0.70	0.33	0.13	0.497	68	465	81	470	25	318	117	159	34	71	26	1.9	99.91		
STD SO-19	Standard	0.70	0.31	0.13	0.499	70	466	81	469	24	316	114	155	35	70	26	1.9	99.91		
STD SO-19	Standard	0.71	0.33	0.13	0.498	68	475	82	475	24	317	116	148	35	72	27	1.9	99.91		
STD SO-19	Standard	0.70	0.32	0.13	0.493	67	472	83	463	23	316	115	149	35	73	27	1.9	99.91		
STD SO-19	Standard	0.70	0.32	0.13	0.492	73	464	81	471	26	315	115	153	34	75	26	1.9	99.90		
STD SO-19	Standard	0.70	0.30	0.13	0.485	62	460	79	470	28	310	113	153	33	69	25	1.9	99.91		
STD SO-19	Standard	0.70	0.32	0.13	0.493	63	464	79	466	24	311	113	154	35	69	26	1.9	99.90		
STD BVGEO01 Expected																				
STD DS11 Expected																				
STD OREAS262 Expected																				
STD GS311-1 Expected																			1.02	2.35
STD GS910-4 Expected																			2.65	8.27
STD SO-19 Expected		0.69	0.32	0.13	0.5	69	486	75	470	24	317.1	112	161	35.5	68.5	27				
BLK	Blank																			
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Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002941A.2

		AQ250 Mo ppm 0.01	AQ250 Cu ppm 0.01	AQ250 Pb ppm 0.01	AQ250 Zn ppm 0.1	AQ250 Ag ppb 2	AQ250 Ni ppm 0.1	AQ250 Co ppm 0.1	AQ250 Mn ppm 1	AQ250 Fe % 0.01	AQ250 As ppm 0.1	AQ250 U ppm 0.1	AQ250 Au ppb 0.2	AQ250 Th ppm 0.1	AQ250 Sr ppm 0.5	AQ250 Cd ppm 0.01	AQ250 Sb ppm 0.02	AQ250 Bi ppm 0.02	AQ250 V ppm 1	AQ250 Ca % 0.01	AQ250 P % 0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001
BLK	Blank	<0.01	0.03	0.02	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001
BLK	Blank	<0.01	<0.01	0.02	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001
BLK	Blank																				
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Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002941A.2

		AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
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: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002941A.2

		AQ250 Nb ppm 0.02	AQ250 Rb ppm 0.1	AQ250 Sn ppm 0.1	AQ250 Ta ppm 0.05	AQ250 Zr ppm 0.1	AQ250 Y ppm 0.01	AQ250 Ce ppm 0.1	AQ250 In ppm 0.02	AQ250 Re ppb 1	AQ250 Be ppm 0.1	AQ250 Li ppm 0.1	AQ250 Pd ppb 10	AQ250 Pt ppb 2	LF300 SiO2 % 0.01	LF300 Al2O3 % 0.01	LF300 Fe2O3 % 0.04	LF300 MgO % 0.01	LF300 CaO % 0.01	LF300 Na2O % 0.01	LF300 K2O % 0.01
BLK	Blank	<0.02	<0.1	<0.1	<0.05	0.2	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							
BLK	Blank	<0.02	<0.1	<0.1	<0.05	0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							
BLK	Blank																				
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BLK	Blank																				
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BLK	Blank																				
BLK	Blank																				
BLK	Blank														0.04	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01
BLK	Blank														0.05	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01
BLK	Blank														<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01
BLK	Blank														0.02	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01
BLK	Blank														0.02	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01
BLK	Blank														0.04	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01
BLK	Blank														0.06	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01
BLK	Blank														0.03	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01
BLK	Blank														0.03	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002941A.2

		LF300 TiO2 % 0.01	LF300 P2O5 % 0.01	LF300 MnO % 0.01	LF300 Cr2O3 % 0.002	LF300 Cu ppm 5	LF300 Ba ppm 5	LF300 Zn ppm 5	LF300 Ni ppm 20	LF300 Co ppm 20	LF300 Sr ppm 2	LF300 Zr ppm 5	LF300 Ce ppm 30	LF300 Y ppm 3	LF300 Nb ppm 5	LF300 Sc ppm 1	LF300 LOI % -5.1	LF300 Sum % 0.01	TC000 TOT/C % 0.02	TC000 TOT/S % 0.02
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																		<0.02	<0.02
BLK	Blank																		<0.02	<0.02
BLK	Blank																		<0.02	<0.02
BLK	Blank																		<0.02	<0.02
BLK	Blank																		<0.02	<0.02
BLK	Blank																		<0.02	<0.02
BLK	Blank																		<0.02	<0.02
BLK	Blank																		<0.02	<0.02
BLK	Blank	<0.01	<0.01	<0.01	<0.002	<5	<5	<5	<20	<20	<2	<5	<30	<3	<5	<1	0.0	0.03		
BLK	Blank	<0.01	<0.01	<0.01	<0.002	5	<5	<5	<20	<20	<2	<5	<30	<3	<5	<1	0.0	0.06		
BLK	Blank	<0.01	<0.01	<0.01	<0.002	<5	<5	<5	<20	<20	<2	<5	<30	<3	<5	<1	0.0	<0.01		
BLK	Blank	<0.01	<0.01	<0.01	<0.002	7	<5	<5	<20	<20	<2	<5	<30	<3	<5	<1	0.0	0.04		
BLK	Blank	<0.01	<0.01	<0.01	<0.002	<5	<5	<5	<20	<20	<2	<5	<30	<3	<5	<1	0.0	<0.01		
BLK	Blank	<0.01	<0.01	<0.01	<0.002	6	<5	<5	<20	<20	<2	<5	<30	<3	<5	<1	0.0	0.07		
BLK	Blank	<0.01	<0.01	<0.01	<0.002	<5	<5	<5	<20	<20	<2	<5	<30	<3	<5	<1	0.0	0.08		
BLK	Blank	<0.01	<0.01	<0.01	<0.002	5	<5	<5	<20	<20	<2	<5	<30	<3	<5	<1	0.0	0.05		
BLK	Blank	<0.01	<0.01	<0.01	<0.002	<5	<5	<5	<20	<20	<2	<5	<30	<3	<5	<1	0.0	0.08		

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Submitted By: Wayne Jackaman
Receiving Lab: Canada-Vancouver
Received: December 05, 2019
Report Date: December 16, 2019

CERTIFICATE OF ANALYSIS VAN19002941R.1

CLIENT JOB INFORMATION

Project: BG_RE_01
Shipment ID:
P.O. Number
Number of Samples: 16

SAMPLE DISPOSAL

PICKUP-PLP Client to Pickup Pulps

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
AQ250	16	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Noble Exploration Services Ltd.
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1
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: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: December 16, 2019

CERTIFICATE OF ANALYSIS VAN19002941R.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
09-GBC-299	Till	0.81	40.05	7.23	80.2	42	121.8	14.3	639	3.19	8.2	0.5	1.4	2.7	43.2	0.27	0.47	0.11	68	0.58	0.080
09-GBC-300	Till	0.73	39.99	5.53	86.6	43	139.2	13.8	491	2.93	7.5	0.5	1.0	2.5	38.9	0.23	0.37	0.09	60	0.51	0.072
09-GBC-301 DUP of 09-GBC-316	Pulp DUP	0.69	26.31	5.39	62.9	107	99.5	10.7	575	2.19	4.5	0.5	<0.2	1.9	27.3	0.16	0.21	0.09	50	0.33	0.056
09-GBC-302	Rock Pulp	16.12	265.51	40.06	60.6	201	16.1	6.8	264	3.50	112.2	2.8	3.8	13.7	11.5	0.15	0.46	48.05	41	0.13	0.080
09-GBC-303	Till	0.92	52.84	7.60	101.3	87	156.1	15.6	577	3.55	10.6	0.7	1.1	3.0	41.7	0.17	0.51	0.13	73	0.56	0.076
09-GBC-304	Till	1.66	52.36	7.74	124.5	57	179.4	19.5	692	3.50	14.5	0.7	<0.2	2.9	92.5	1.06	0.56	0.12	72	2.47	0.086
09-GBC-305	Till	1.46	48.92	7.58	114.3	64	159.1	20.1	613	3.38	11.3	0.6	0.5	2.6	90.2	0.86	0.52	0.11	68	2.38	0.079
09-GBC-311	Till	0.43	24.57	4.75	53.4	68	65.2	8.2	267	2.16	4.2	0.5	0.9	2.2	33.3	0.08	0.22	0.08	49	0.43	0.068
09-GBC-319	Till	0.55	36.90	7.55	64.2	86	80.4	11.0	441	3.02	6.1	0.6	1.1	2.8	33.7	0.11	0.33	0.11	61	0.42	0.051
09-GBC-320	Till	0.66	42.46	5.40	73.0	98	127.5	12.4	331	3.15	7.4	0.7	2.6	2.7	37.5	0.15	0.37	0.10	64	0.54	0.082
09-GBC-321 DUP of 09-GBC-329	Pulp DUP	0.58	21.89	4.95	46.5	33	50.0	8.2	334	2.43	5.1	0.5	2.3	2.4	29.3	0.08	0.32	0.08	53	0.31	0.033
09-GBC-322	Rock Pulp	14.77	238.96	37.74	58.9	183	15.4	6.0	286	3.36	109.5	2.6	4.2	13.4	11.0	0.17	0.45	46.76	39	0.12	0.075
09-GBC-323	Till	0.82	49.46	9.24	79.7	106	133.7	15.5	713	3.68	10.2	0.8	1.2	3.4	44.2	0.17	0.35	0.15	70	0.53	0.076
09-GBC-324	Till	1.11	44.99	6.67	73.0	93	105.7	12.7	494	3.12	8.1	0.7	1.9	3.0	45.4	0.15	0.37	0.12	63	0.52	0.082
09-GBC-325	Till	1.07	42.22	6.08	64.4	102	104.9	10.8	424	3.11	7.5	0.8	1.5	2.8	39.7	0.13	0.38	0.11	63	0.52	0.064
09-GBC-329	Till	0.54	25.73	5.33	50.6	33	54.7	8.3	367	2.42	5.5	0.5	0.7	2.5	25.9	0.07	0.35	0.08	52	0.30	0.038

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Bureau Veritas Commodities Canada Ltd.

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: December 16, 2019

CERTIFICATE OF ANALYSIS VAN19002941R.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
09-GBC-299	Till	14.0	88.6	0.99	280.0	0.103	<20	1.65	0.019	0.11	<0.1	7.3	0.18	<0.02	168	0.2	0.03	5.3
09-GBC-300	Till	13.6	104.9	1.02	263.8	0.103	<20	1.66	0.014	0.09	<0.1	7.4	0.19	<0.02	188	0.1	<0.02	4.7
09-GBC-301 DUP of 09-GBC-316	Pulp DUP	13.3	93.9	0.78	191.6	0.103	<20	1.46	0.009	0.06	<0.1	5.0	0.15	<0.02	71	<0.1	<0.02	4.6
09-GBC-302	Rock Pulp	31.4	26.1	0.53	73.7	0.114	<20	2.08	0.026	0.31	>100	4.8	0.45	0.07	6	0.6	0.21	6.5
09-GBC-303	Till	15.9	108.4	1.07	290.3	0.096	<20	1.82	0.014	0.10	<0.1	8.8	0.19	<0.02	178	0.1	0.03	5.2
09-GBC-304	Till	13.4	104.0	1.78	265.9	0.103	<20	1.62	0.022	0.14	<0.1	8.3	0.30	<0.02	420	0.2	0.04	4.6
09-GBC-305	Till	11.3	96.0	1.73	253.7	0.091	<20	1.58	0.022	0.14	<0.1	7.2	0.27	<0.02	453	0.2	0.03	4.2
09-GBC-311	Till	12.6	74.7	0.78	167.6	0.110	<20	1.34	0.009	0.07	<0.1	4.7	0.14	<0.02	84	0.1	0.02	4.3
09-GBC-319	Till	14.0	88.3	0.84	249.2	0.094	<20	1.77	0.012	0.11	<0.1	6.5	0.14	<0.02	71	0.2	<0.02	4.4
09-GBC-320	Till	12.5	103.0	1.09	251.7	0.092	<20	1.71	0.016	0.10	<0.1	7.0	0.16	<0.02	108	<0.1	0.02	4.7
09-GBC-321 DUP of 09-GBC-329	Pulp DUP	12.6	59.8	0.62	163.6	0.098	<20	1.27	0.010	0.08	<0.1	4.3	0.11	<0.02	27	0.1	0.02	3.7
09-GBC-322	Rock Pulp	31.2	22.8	0.51	72.4	0.112	<20	1.99	0.027	0.31	>100	5.1	0.44	0.06	<5	0.6	0.21	5.5
09-GBC-323	Till	17.8	89.6	1.07	260.6	0.083	<20	1.96	0.018	0.14	<0.1	7.3	0.15	<0.02	64	0.1	0.04	5.1
09-GBC-324	Till	15.4	97.1	1.06	246.4	0.092	<20	1.65	0.018	0.09	<0.1	9.0	0.17	<0.02	80	<0.1	0.03	5.1
09-GBC-325	Till	14.2	92.7	1.04	226.8	0.085	<20	1.72	0.015	0.10	<0.1	7.8	0.14	<0.02	147	0.1	<0.02	4.9
09-GBC-329	Till	12.2	64.3	0.61	173.3	0.106	<20	1.20	0.009	0.08	<0.1	4.3	0.11	<0.02	26	0.1	<0.02	3.6

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: December 16, 2019

QUALITY CONTROL REPORT VAN19002941R.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
Pulp Duplicates																					
09-GBC-322	Rock Pulp	14.77	238.96	37.74	58.9	183	15.4	6.0	286	3.36	109.5	2.6	4.2	13.4	11.0	0.17	0.45	46.76	39	0.12	0.075
REP 09-GBC-322	QC	14.92	231.88	38.43	60.4	194	15.9	6.2	285	3.40	108.8	2.9	3.1	13.7	11.1	0.19	0.45	46.94	39	0.12	0.072
Reference Materials																					
STD BVGEO01	Standard	9.93	4388.18	183.86	1769.1	2507	158.7	22.9	699	3.66	116.0	3.6	205.2	15.0	57.0	6.34	2.05	23.99	71	1.30	0.069
STD DS11	Standard	15.25	156.53	139.96	350.1	1729	84.9	13.4	1063	3.18	47.1	2.8	114.7	8.8	74.5	2.65	7.28	12.60	49	1.09	0.066
STD OREAS262	Standard	0.65	115.15	60.82	153.8	486	67.1	27.6	526	3.32	38.6	1.3	60.1	10.0	40.0	0.69	2.24	1.10	22	3.04	0.042
STD OREAS262	Standard	0.61	128.01	57.90	151.8	472	64.2	25.0	521	3.30	36.3	1.3	61.2	9.9	37.8	0.69	2.29	1.07	22	3.03	0.043
STD BVGEO01 Expected		10.8	4415	187	1741	2530	163	25	733	3.7	121	3.77	219	14.4	55	6.5	2.2	25.6	73	1.3219	0.0727
STD DS11 Expected		13.9	149	138	345	1710	77.7	14.2	1055	3.1	42.8	2.59	79	7.65	67.3	2.37	7.2	12.2	50	1.063	0.0701
STD OREAS262 Expected		0.68	118	56	154	450	62	26.9	530	3.284	35.8	1.22	65	9.33	36	0.61	3.39	1.03	22.5	2.98	0.04
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: December 16, 2019

QUALITY CONTROL REPORT VAN19002941R.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
Pulp Duplicates																		
09-GBC-322	Rock Pulp	31.2	22.8	0.51	72.4	0.112	<20	1.99	0.027	0.31	>100	5.1	0.44	0.06	<5	0.6	0.21	5.5
REP 09-GBC-322	QC	31.3	24.8	0.52	68.7	0.117	<20	2.00	0.027	0.31	>100	4.9	0.43	0.06	<5	0.5	0.18	6.0
Reference Materials																		
STD BVGEO01	Standard	26.3	176.5	1.28	324.6	0.227	<20	2.31	0.188	0.87	3.0	5.4	0.63	0.67	99	4.7	0.97	7.6
STD DS11	Standard	20.6	65.7	0.87	453.2	0.101	<20	1.21	0.077	0.42	2.4	3.3	5.45	0.28	293	2.6	4.63	5.0
STD OREAS262	Standard	18.0	46.0	1.21	274.8	0.003	<20	1.45	0.069	0.34	0.1	3.7	0.49	0.26	187	0.3	0.24	4.7
STD OREAS262	Standard	18.2	41.7	1.19	269.3	0.003	<20	1.43	0.068	0.34	<0.1	3.2	0.52	0.26	153	0.2	0.20	3.9
STD BVGEO01 Expected		25.9	171	1.2963	340	0.233		2.347	0.1924	0.89	3.5	5.97	0.62	0.6655	100	4.84	1.02	7.37
STD DS11 Expected		18.6	61.5	0.85	417	0.0976		1.129	0.0694	0.4	2.9	3.1	4.9	0.2835	260	2.2	4.56	4.7
STD OREAS262 Expected		15.9	41.7	1.17	248	0.003		1.204	0.071	0.312	0.13	3.24	0.47	0.253	170	0.4	0.23	3.73
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1

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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: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Submitted By:	Wayne Jackaman
Receiving Lab:	Canada-Vancouver
Received:	November 04, 2019
Analysis Start:	November 08, 2019
Report Date:	January 14, 2020
Page:	1 of 9

CERTIFICATE OF ANALYSIS VAN19002942A.2

CLIENT JOB INFORMATION

Project:	BG_RE_01
Shipment ID:	
P.O. Number	
Number of Samples:	220

SAMPLE DISPOSAL

PICKUP-PLP Client to Pickup Pulps

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
SLBHP	220	Sorting, labeling and boxing samples received as pulps			VAN
AQ250_EXT	220	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	0.5	Completed	VAN
LF302-EXT	220	LiBO2/LiB4O7 fusion ICP-ES analysis	0.2	Completed	VAN

ADDITIONAL COMMENTS

Version 2 : LF302-EXT included.

Invoice To: Noble Exploration Services Ltd.
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1
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: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002942A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
09-GBC-530	Till	0.76	27.56	4.68	42.2	49	39.1	8.3	365	1.76	8.3	0.6	14.2	2.7	25.9	0.36	0.34	0.09	49	0.44	0.104
09-GBC-531	Till	1.23	29.41	5.89	55.2	80	49.7	11.1	399	2.22	5.5	0.7	1.9	2.4	27.0	0.52	0.37	0.14	57	0.44	0.113
09-GBC-532	Till	1.20	61.75	7.56	75.1	227	49.4	14.3	637	2.99	12.0	0.6	3.0	3.8	39.6	0.23	0.92	0.12	66	0.57	0.104
09-GBC-533	Till	1.36	47.04	7.38	84.1	174	55.1	13.9	612	2.73	11.8	0.5	1.7	3.4	83.2	0.76	0.89	0.12	53	2.56	0.108
09-GBC-534	Till	4.04	54.91	10.06	137.4	146	57.2	12.8	566	2.95	15.4	0.8	3.9	4.6	34.5	0.79	1.52	0.18	43	0.47	0.158
09-GBC-535	Till	1.43	54.60	10.62	95.6	131	71.7	15.5	989	3.29	11.5	0.6	8.5	5.2	41.1	0.32	0.94	0.18	57	0.66	0.105
09-GBC-536	Till	6.41	94.17	19.53	170.4	582	93.7	22.1	1449	4.50	19.5	0.7	3.6	7.3	65.2	1.16	1.68	0.30	60	2.17	0.124
09-GBC-537	Till	1.72	103.30	5.79	85.4	341	61.1	22.2	700	5.97	698.1	0.5	266.0	2.0	15.6	0.19	2.17	0.12	120	0.31	0.047
09-GBC-538	Till	2.11	78.79	11.74	103.3	494	67.7	20.1	937	3.62	15.6	0.7	2.3	5.2	40.4	0.77	1.50	0.18	72	0.67	0.113
09-GBC-539	Till	2.29	61.49	12.60	92.3	188	45.0	14.0	704	3.20	12.4	1.5	3.2	6.1	33.9	0.60	1.15	0.24	60	0.59	0.119
09-GBC-540	Till	1.09	45.47	6.68	55.4	136	29.0	10.0	557	2.24	9.2	1.2	9.4	5.3	29.6	0.28	0.90	0.13	48	0.51	0.113
09-GBC-541 DUP of 09-GBC-545	Pulp DUP	1.23	31.79	6.61	55.7	136	37.8	10.3	470	2.43	10.9	0.9	2.0	3.6	26.2	0.19	0.68	0.10	50	0.47	0.091
09-GBC-542	Rock Pulp	0.73	66.33	9.62	72.2	90	38.6	14.2	328	3.63	6.5	0.7	6.1	7.6	24.0	0.08	0.26	0.23	51	0.23	0.061
09-GBC-543	Till	1.04	64.58	7.14	74.9	308	32.4	16.1	789	3.05	7.3	0.5	2.1	3.5	95.3	0.39	1.00	0.13	68	2.80	0.105
09-GBC-544	Till	2.37	70.17	13.22	92.9	411	62.3	17.3	839	3.57	16.5	1.5	5.4	4.8	32.0	0.39	1.17	0.17	59	0.54	0.102
09-GBC-545	Till	1.26	32.95	6.89	58.2	138	39.4	10.7	489	2.50	11.1	1.0	2.4	3.9	27.6	0.20	0.69	0.11	51	0.48	0.094
09-GBC-546	Till	1.46	32.70	6.66	76.8	82	34.3	10.0	383	2.58	8.2	0.6	2.7	3.7	23.4	0.16	0.86	0.11	50	0.34	0.076
09-GBC-547	Till	2.54	53.77	15.92	119.1	238	75.3	18.6	945	3.51	19.6	0.7	14.6	7.6	42.1	0.75	1.85	0.25	45	1.00	0.090
09-GBC-548	Till	2.52	42.75	10.89	117.8	50	37.5	10.6	494	2.31	17.5	1.0	12.1	6.0	23.9	0.88	1.10	0.18	40	0.39	0.128
09-GBC-549	Till	4.01	92.92	15.13	152.6	877	77.5	25.0	986	3.76	25.5	0.7	3.7	4.8	49.3	1.64	1.76	0.29	67	1.67	0.114
09-GBC-550	Till	0.59	28.39	10.65	51.3	40	35.3	9.7	387	2.22	4.4	1.8	1.7	7.9	27.1	0.23	0.31	0.37	51	0.40	0.071
09-GBC-551	Till	0.59	25.68	9.64	47.7	46	33.8	9.0	362	2.10	4.2	1.7	1.7	7.7	26.2	0.22	0.33	0.56	48	0.40	0.071
09-GBC-552	Till	1.23	43.62	17.28	74.4	189	45.4	16.7	662	3.16	4.2	3.8	1.8	8.4	31.2	0.09	0.31	1.07	66	0.33	0.073
09-GBC-553	Till	0.83	44.22	17.67	79.1	28	39.4	15.7	641	3.09	2.8	4.3	2.5	8.6	30.4	0.09	0.16	1.10	66	0.26	0.070
09-GBC-554	Till	0.86	58.13	13.87	89.7	229	52.2	19.9	792	4.02	5.0	1.4	1.6	6.5	40.1	0.28	0.44	0.38	84	0.60	0.096
09-GBC-555	Till	0.74	45.16	16.46	80.8	73	46.6	20.3	821	3.79	5.2	1.8	5.8	8.0	43.4	0.18	0.28	0.48	72	0.56	0.084
09-GBC-556	Till	0.99	68.79	12.31	95.9	258	57.1	21.8	953	4.21	8.5	0.8	3.1	6.2	56.3	0.40	0.57	0.21	97	1.11	0.100
09-GBC-557	Till	0.89	46.52	9.70	70.1	170	37.8	12.4	528	3.12	6.1	1.0	2.4	6.0	41.2	0.23	0.43	0.17	74	0.67	0.110
09-GBC-558	Till	0.67	25.03	9.92	70.4	40	25.3	9.3	460	2.35	3.3	1.2	1.3	6.0	21.9	0.54	0.25	0.36	59	0.30	0.069
09-GBC-559	Till	2.52	74.92	10.16	78.7	146	55.2	17.2	631	4.10	5.1	2.5	1.5	5.0	39.0	0.08	0.35	0.34	81	0.48	0.071

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002942A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
09-GBC-530	Till	10.7	38.7	0.47	114.4	0.079	<20	1.16	0.014	0.05	0.5	3.2	0.13	<0.02	59	0.4	0.02	3.3	0.60	<0.1	0.04
09-GBC-531	Till	11.5	43.9	0.58	97.7	0.084	<20	1.63	0.014	0.07	0.2	3.3	0.17	<0.02	105	0.6	0.03	4.0	1.03	<0.1	0.02
09-GBC-532	Till	15.8	53.4	0.68	139.3	0.085	<20	1.47	0.014	0.10	<0.1	6.9	0.13	<0.02	101	0.6	0.04	4.6	0.92	<0.1	0.10
09-GBC-533	Till	13.0	45.3	0.78	172.4	0.077	<20	1.16	0.017	0.11	<0.1	5.4	0.15	<0.02	118	0.5	0.05	3.7	0.77	<0.1	0.20
09-GBC-534	Till	16.2	35.3	0.39	123.8	0.055	<20	1.09	0.007	0.08	<0.1	6.0	0.18	<0.02	169	1.2	0.06	3.1	0.75	<0.1	0.04
09-GBC-535	Till	17.5	49.7	0.76	198.2	0.069	<20	1.54	0.015	0.10	<0.1	6.0	0.12	<0.02	114	0.5	0.06	4.8	0.83	<0.1	0.14
09-GBC-536	Till	19.3	58.3	1.18	219.2	0.050	<20	2.02	0.010	0.13	<0.1	7.6	0.17	<0.02	152	1.7	0.12	5.6	1.05	<0.1	0.13
09-GBC-537	Till	9.5	85.4	0.74	154.1	0.018	<20	1.70	0.007	0.06	<0.1	22.9	0.16	<0.02	124	1.1	0.05	4.0	1.68	<0.1	<0.02
09-GBC-538	Till	18.3	54.1	0.74	198.0	0.068	<20	1.62	0.016	0.12	<0.1	7.8	0.19	<0.02	119	1.0	0.07	5.1	1.55	<0.1	0.09
09-GBC-539	Till	22.5	43.0	0.66	225.4	0.067	<20	1.57	0.016	0.15	0.2	6.7	0.25	<0.02	106	0.7	0.05	4.8	1.68	<0.1	0.06
09-GBC-540	Till	19.8	33.7	0.45	153.3	0.064	<20	1.05	0.014	0.09	0.1	5.4	0.11	<0.02	48	0.5	0.04	3.6	1.08	<0.1	0.05
09-GBC-541 DUP of 09-GBC-545	Pulp DUP	17.1	49.6	0.64	112.8	0.052	<20	1.29	0.011	0.07	<0.1	4.2	0.10	<0.02	42	0.6	0.03	4.0	1.02	<0.1	<0.02
09-GBC-542	Rock Pulp	25.9	46.0	0.85	48.4	0.064	<20	1.99	0.007	0.11	<0.1	4.2	0.11	<0.02	46	0.3	0.06	5.7	1.00	<0.1	<0.02
09-GBC-543	Till	14.9	35.1	0.74	212.8	0.060	<20	1.56	0.018	0.15	<0.1	6.6	0.12	<0.02	65	0.5	0.04	5.2	2.01	<0.1	0.14
09-GBC-544	Till	19.8	60.5	0.67	168.3	0.044	<20	1.64	0.010	0.12	0.1	8.3	0.17	<0.02	101	1.0	0.06	4.9	1.71	<0.1	0.03
09-GBC-545	Till	18.2	52.1	0.66	118.8	0.055	<20	1.34	0.012	0.07	<0.1	4.3	0.10	<0.02	47	0.6	0.03	4.1	1.08	<0.1	<0.02
09-GBC-546	Till	16.8	40.4	0.63	90.1	0.062	<20	1.39	0.009	0.09	<0.1	3.6	0.11	<0.02	50	0.8	0.03	4.3	0.97	<0.1	<0.02
09-GBC-547	Till	22.7	42.3	0.67	244.1	0.035	<20	1.62	0.014	0.20	<0.1	6.6	0.24	<0.02	135	0.9	0.06	4.6	1.11	<0.1	0.10
09-GBC-548	Till	23.5	31.4	0.32	94.2	0.049	<20	0.94	0.009	0.07	0.1	4.6	0.14	<0.02	42	1.0	0.05	2.9	0.54	<0.1	0.02
09-GBC-549	Till	17.0	50.3	0.64	231.8	0.041	<20	1.32	0.010	0.13	<0.1	7.5	0.28	<0.02	89	1.7	0.11	4.1	2.04	<0.1	0.11
09-GBC-550	Till	28.1	35.1	0.50	285.6	0.084	<20	1.24	0.018	0.17	0.2	4.2	0.17	<0.02	20	0.4	0.03	4.6	1.90	<0.1	0.02
09-GBC-551	Till	27.4	34.2	0.47	257.0	0.080	<20	1.16	0.019	0.14	0.2	3.9	0.16	<0.02	28	0.4	0.03	4.3	1.73	<0.1	<0.02
09-GBC-552	Till	26.3	50.1	0.73	578.6	0.113	<20	2.04	0.015	0.41	0.3	6.0	0.38	<0.02	32	0.5	0.05	7.1	4.82	<0.1	0.10
09-GBC-553	Till	26.9	50.4	0.87	460.6	0.124	<20	2.42	0.014	0.43	0.3	6.5	0.42	<0.02	18	0.4	0.04	8.2	5.39	<0.1	0.03
09-GBC-554	Till	23.1	70.9	1.15	161.4	0.174	<20	2.41	0.019	0.62	0.2	8.0	0.33	<0.02	58	0.3	0.05	9.0	3.87	<0.1	0.16
09-GBC-555	Till	26.1	59.1	0.92	169.2	0.151	<20	2.40	0.025	0.51	0.2	7.5	0.33	<0.02	36	0.3	0.04	8.7	3.87	<0.1	0.09
09-GBC-556	Till	26.1	67.0	1.17	179.9	0.147	<20	2.47	0.021	0.36	0.1	9.5	0.24	<0.02	90	0.3	0.05	8.8	2.38	<0.1	0.18
09-GBC-557	Till	20.6	52.4	0.83	110.9	0.113	<20	1.68	0.020	0.22	0.1	6.1	0.17	<0.02	59	0.2	0.03	6.3	1.97	<0.1	0.20
09-GBC-558	Till	19.1	37.3	0.48	75.9	0.125	<20	1.59	0.014	0.15	0.2	4.0	0.18	<0.02	30	0.2	0.03	5.3	1.50	<0.1	0.05
09-GBC-559	Till	18.3	65.1	1.03	136.8	0.129	<20	2.45	0.017	0.38	0.3	8.8	0.48	<0.02	45	0.3	0.04	9.4	5.63	<0.1	0.10

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002942A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%	%	%	%	%	%
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01
09-GBC-530	Till	0.31	4.2	0.3	<0.05	2.1	6.25	26.3	<0.02	<1	0.4	7.6	<10	<2	72.53	11.01	3.71	1.75	2.68	2.37	1.72
09-GBC-531	Till	0.65	6.3	0.3	<0.05	1.0	6.65	28.7	<0.02	<1	0.5	10.9	<10	<2	68.31	12.06	4.50	2.03	2.65	2.24	1.78
09-GBC-532	Till	0.07	7.1	0.3	<0.05	5.1	11.72	28.6	0.02	<1	0.5	11.1	<10	<2	67.46	12.42	5.89	2.12	2.57	2.16	1.83
09-GBC-533	Till	0.06	6.7	0.4	<0.05	7.4	9.34	25.8	0.02	<1	0.3	9.7	<10	<2	65.37	11.15	5.13	2.14	5.28	2.00	1.73
09-GBC-534	Till	0.15	5.9	0.1	<0.05	2.5	12.55	28.6	0.03	<1	0.5	9.1	<10	<2	69.06	13.03	5.40	1.41	1.81	1.85	2.22
09-GBC-535	Till	0.05	6.3	0.4	<0.05	6.9	10.26	34.8	0.03	<1	0.5	15.0	<10	2	66.06	13.30	6.03	2.10	2.19	1.97	2.03
09-GBC-536	Till	<0.02	7.0	0.4	<0.05	7.7	13.69	38.3	0.04	2	0.7	23.0	<10	2	56.86	15.25	7.73	2.73	3.77	1.27	2.54
09-GBC-537	Till	0.07	5.9	0.2	<0.05	0.5	15.25	17.2	0.04	<1	0.5	13.1	<10	<2	58.73	15.86	9.93	1.88	1.27	1.27	1.41
09-GBC-538	Till	0.07	8.6	0.3	<0.05	5.1	12.87	36.1	0.03	<1	0.5	14.3	<10	2	65.30	12.88	6.72	2.33	2.46	1.81	1.96
09-GBC-539	Till	0.21	12.9	0.4	<0.05	3.4	14.20	40.0	0.03	<1	0.6	15.9	<10	3	67.48	12.76	5.96	1.97	2.14	1.81	2.09
09-GBC-540	Till	0.20	7.0	0.3	<0.05	2.6	11.45	37.7	<0.02	<1	0.4	9.8	<10	<2	72.77	10.87	4.47	1.63	2.32	2.06	1.79
09-GBC-541 DUP of 09-GBC-545	Pulp DUP	0.27	7.2	0.1	<0.05	0.7	7.08	34.5	<0.02	<1	0.4	13.1	<10	<2	71.33	11.16	4.75	2.21	1.90	1.67	1.73
09-GBC-542	Rock Pulp	0.31	11.2	0.2	<0.05	0.9	5.61	60.5	<0.02	<1	0.4	29.7	<10	<2	62.75	16.32	6.58	2.14	1.25	1.71	2.84
09-GBC-543	Till	0.02	9.6	0.3	<0.05	4.6	11.17	28.7	0.03	<1	0.5	14.2	<10	<2	62.86	12.30	5.55	2.07	5.41	1.93	1.85
09-GBC-544	Till	0.19	9.5	0.3	<0.05	1.7	15.32	38.2	0.03	<1	0.6	14.6	<10	4	67.88	12.27	6.28	1.94	1.69	1.48	1.83
09-GBC-545	Till	0.25	7.7	0.2	<0.05	0.7	7.35	36.4	<0.02	<1	0.4	13.9	<10	2	71.27	11.29	4.75	2.21	1.91	1.67	1.72
09-GBC-546	Till	0.20	9.7	0.2	<0.05	0.9	5.42	34.6	<0.02	<1	0.4	14.8	<10	<2	69.42	13.28	4.72	1.83	1.63	1.93	2.15
09-GBC-547	Till	0.05	11.5	0.5	<0.05	6.1	12.54	45.8	0.03	<1	0.6	14.6	<10	<2	68.17	12.28	5.89	1.62	1.87	1.19	2.15
09-GBC-548	Till	0.23	4.7	0.2	<0.05	1.5	10.85	43.4	<0.02	<1	0.4	7.0	<10	<2	74.53	10.41	4.37	1.31	1.73	1.68	1.78
09-GBC-549	Till	0.02	9.6	0.6	<0.05	4.9	12.66	34.3	0.03	<1	0.6	13.8	11	3	63.69	12.57	6.83	2.16	3.56	1.13	2.03
09-GBC-550	Till	0.16	16.7	1.5	<0.05	1.2	10.74	55.1	<0.02	<1	0.7	18.0	<10	<2	71.48	12.46	4.12	1.43	1.75	1.94	2.52
09-GBC-551	Till	0.18	14.5	0.7	<0.05	1.0	10.60	54.2	<0.02	<1	0.6	17.0	<10	<2	72.28	12.08	3.92	1.38	1.77	1.95	2.42
09-GBC-552	Till	0.19	39.7	2.5	<0.05	3.7	12.43	53.5	0.03	<1	1.4	29.7	<10	<2	63.04	16.23	5.78	1.93	1.48	1.66	3.20
09-GBC-553	Till	0.29	49.0	2.2	<0.05	1.7	9.82	54.3	0.03	<1	1.4	41.4	<10	<2	62.17	16.84	5.57	2.12	1.46	1.71	3.16
09-GBC-554	Till	0.12	46.0	1.9	<0.05	5.6	10.77	45.6	0.03	<1	0.8	32.4	<10	2	59.26	17.13	7.05	2.66	2.28	2.03	3.30
09-GBC-555	Till	0.14	44.3	1.4	<0.05	4.5	12.47	53.7	0.03	<1	1.0	35.6	<10	<2	61.80	16.18	6.48	2.07	2.03	1.94	3.06
09-GBC-556	Till	0.07	27.4	1.9	<0.05	8.0	11.99	52.5	0.04	<1	0.7	22.5	<10	<2	58.68	15.65	7.59	2.78	3.02	2.11	2.62
09-GBC-557	Till	0.09	17.2	0.5	<0.05	7.2	9.92	37.6	0.02	<1	0.5	18.4	<10	<2	64.91	14.31	5.73	2.16	2.61	2.42	2.60
09-GBC-558	Till	0.60	16.1	0.6	<0.05	2.6	6.52	40.3	0.03	<1	0.5	12.6	<10	<2	68.61	13.96	4.48	1.41	1.85	2.63	2.43
09-GBC-559	Till	0.13	47.4	1.3	<0.05	4.7	13.26	34.4	0.04	<1	1.2	32.8	<10	<2	58.41	17.21	7.36	2.36	1.75	2.13	2.90

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002942A.2

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
	Analyte	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
	Unit	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	MDL	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3	5	1	-5.1	0.01	0.02	0.02
09-GBC-530	Till	0.64	0.25	0.07	0.021	27	965	50	46	<20	300	187	50	21	15	11	3.0	99.95	0.44	<0.02
09-GBC-531	Till	0.72	0.28	0.08	0.022	34	988	66	54	<20	284	211	53	23	11	13	5.1	99.94	1.13	<0.02
09-GBC-532	Till	0.76	0.26	0.11	0.021	63	938	126	49	<20	291	200	52	26	11	17	4.1	99.94	0.22	<0.02
09-GBC-533	Till	0.69	0.25	0.10	0.021	48	921	121	57	<20	296	191	52	24	10	14	5.9	99.94	0.85	<0.02
09-GBC-534	Till	0.80	0.38	0.09	0.024	55	1086	159	57	<20	226	247	64	37	13	15	3.6	99.94	0.29	<0.02
09-GBC-535	Till	0.80	0.26	0.15	0.020	58	976	106	72	<20	239	231	75	28	12	16	4.8	99.94	0.27	<0.02
09-GBC-536	Till	0.88	0.29	0.20	0.021	101	1194	192	102	22	156	217	68	35	15	19	8.1	99.92	1.02	<0.02
09-GBC-537	Till	1.11	0.12	0.11	0.031	110	733	99	71	23	141	145	42	35	9	34	8.1	99.92	0.49	<0.02
09-GBC-538	Till	0.74	0.29	0.15	0.023	86	1162	118	75	<20	246	213	73	29	14	18	5.0	99.93	0.26	<0.02
09-GBC-539	Till	0.77	0.30	0.12	0.015	66	1272	103	51	<20	235	250	80	33	16	16	4.3	99.93	0.33	<0.02
09-GBC-540	Till	0.74	0.29	0.10	0.016	46	1064	68	31	<20	270	289	76	31	14	14	2.7	99.95	0.20	<0.02
09-GBC-541 DUP of 09-GBC-545	Pulp DUP	0.77	0.22	0.08	0.023	36	898	70	44	<20	191	228	64	24	14	13	3.9	99.95	0.40	<0.02
09-GBC-542	Rock Pulp	0.90	0.15	0.06	0.017	74	592	84	40	<20	219	372	113	31	19	16	5.0	99.93	0.43	<0.02
09-GBC-543	Till	0.67	0.25	0.12	0.014	76	1086	87	37	<20	307	152	51	22	10	15	6.7	99.93	0.88	<0.02
09-GBC-544	Till	0.74	0.25	0.13	0.021	79	900	104	66	21	170	236	71	34	14	18	5.2	99.94	0.49	<0.02
09-GBC-545	Till	0.78	0.22	0.08	0.023	37	899	69	49	<20	193	242	53	25	13	14	3.8	99.94	0.39	<0.02
09-GBC-546	Till	0.87	0.19	0.07	0.017	41	936	85	39	<20	221	239	64	24	11	14	3.7	99.95	0.31	<0.02
09-GBC-547	Till	0.70	0.23	0.13	0.016	55	886	128	76	<20	138	313	81	33	14	14	5.5	99.94	0.46	<0.02
09-GBC-548	Till	0.77	0.32	0.09	0.018	46	1032	126	49	<20	201	316	78	37	17	13	2.7	99.95	0.37	<0.02
09-GBC-549	Till	0.87	0.28	0.15	0.022	94	1516	171	81	28	173	216	75	35	13	19	6.4	99.92	0.75	<0.02
09-GBC-550	Till	0.69	0.18	0.07	0.015	50	1582	61	32	<20	241	380	118	36	19	11	3.0	99.97	0.22	<0.02
09-GBC-551	Till	0.68	0.19	0.07	0.014	33	1559	57	33	<20	240	367	107	37	13	11	2.9	99.96	0.22	<0.02
09-GBC-552	Till	0.77	0.20	0.11	0.016	52	2148	88	48	20	195	344	119	38	20	14	5.2	99.94	0.30	<0.02
09-GBC-553	Till	0.81	0.19	0.11	0.015	45	1818	91	42	<20	189	369	128	37	20	15	5.5	99.94	0.27	<0.02
09-GBC-554	Till	0.91	0.24	0.13	0.018	60	942	104	51	<20	272	311	102	30	17	18	4.7	99.93	0.17	<0.02
09-GBC-555	Till	0.88	0.21	0.13	0.016	47	895	90	50	23	266	357	127	40	19	15	4.9	99.94	0.19	<0.02
09-GBC-556	Till	0.91	0.25	0.15	0.019	70	960	112	62	23	302	234	98	28	15	19	5.9	99.93	0.27	<0.02
09-GBC-557	Till	0.81	0.28	0.09	0.016	46	959	80	43	<20	337	262	83	27	15	15	3.8	99.94	0.12	<0.02
09-GBC-558	Till	0.82	0.18	0.09	0.015	29	896	83	32	<20	309	326	98	28	13	12	3.3	99.96	0.36	<0.02
09-GBC-559	Till	0.93	0.20	0.11	0.019	80	802	97	60	<20	262	294	80	29	13	19	6.4	99.94	0.38	<0.02

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002942A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
09-GBC-560	Till	0.35	23.76	3.71	34.8	34	21.3	6.0	260	1.78	3.2	0.4	6.1	2.1	36.3	0.10	0.29	0.06	57	0.49	0.077
09-GBC-561 DUP of 09-GBC-570	Pulp DUP	0.36	25.94	3.72	42.4	56	24.7	6.4	243	1.76	2.7	0.4	1.3	1.4	31.9	0.07	0.25	0.06	53	0.41	0.048
09-GBC-562	Rock Pulp	1.43	109.14	5.47	75.4	140	39.4	23.4	1071	4.81	14.3	0.9	178.4	1.1	57.7	0.32	0.27	0.18	144	1.39	0.081
09-GBC-563	Till	0.74	57.49	6.60	59.9	61	36.4	13.5	613	3.08	9.1	0.5	7.1	2.9	50.9	0.27	0.64	0.13	80	0.68	0.110
09-GBC-564	Till	0.74	65.98	6.38	66.9	47	44.2	11.7	555	3.26	8.7	0.5	4.8	2.7	48.7	0.21	0.61	0.10	84	0.59	0.089
09-GBC-565	Till	1.48	83.17	11.32	59.0	557	32.1	14.2	637	3.24	30.8	0.9	31.0	3.0	46.7	0.22	2.12	0.17	77	0.61	0.092
09-GBC-566	Till	0.72	41.25	5.89	68.9	44	59.0	11.3	507	2.96	6.3	0.5	2.7	2.1	48.7	0.18	0.45	0.09	72	0.56	0.068
09-GBC-567	Till	0.81	57.28	5.93	55.8	50	40.6	12.3	638	3.20	9.1	0.5	20.3	2.4	47.4	0.24	0.68	0.08	89	0.57	0.113
09-GBC-568	Till	0.53	40.88	4.64	49.4	39	31.8	8.2	394	2.45	7.4	0.5	3.9	2.1	42.8	0.13	0.52	0.08	69	0.57	0.084
09-GBC-569	Till	0.52	33.40	4.25	44.3	61	31.7	7.6	328	2.14	5.2	0.4	2.6	1.8	30.3	0.08	0.34	0.07	59	0.38	0.055
09-GBC-570	Till	0.34	27.61	4.05	43.6	67	22.6	6.8	240	1.79	3.1	0.4	2.9	1.6	32.0	0.07	0.26	0.07	50	0.41	0.055
09-GBC-571	Till	0.51	39.94	5.08	56.2	35	47.6	8.7	352	2.47	7.1	0.4	1.6	2.1	39.2	0.10	0.49	0.09	65	0.56	0.080
09-GBC-572	Till	0.46	31.16	4.34	46.7	39	45.8	8.1	316	2.19	5.4	0.4	4.9	1.9	35.4	0.10	0.39	0.07	61	0.54	0.078
09-GBC-573	Till	0.56	20.81	3.87	48.1	28	36.0	8.1	335	2.16	3.8	0.6	4.5	2.0	38.0	0.13	0.29	0.06	57	0.49	0.060
09-GBC-574	Till	1.72	67.69	6.90	96.7	84	54.7	16.0	876	3.27	13.8	0.5	2.9	2.5	87.2	0.70	0.96	0.11	82	2.46	0.107
09-GBC-575	Till	0.58	23.31	4.33	62.0	89	29.0	9.4	440	1.89	3.9	0.5	3.3	1.6	43.0	0.25	0.24	0.06	59	0.53	0.089
09-GBC-576	Till	0.38	25.36	4.45	46.4	35	27.5	7.6	314	1.87	4.1	0.4	3.9	2.2	36.4	0.06	0.32	0.07	52	0.45	0.065
09-GBC-577	Till	1.32	64.82	8.24	101.1	225	64.7	17.7	809	3.36	10.3	0.5	2.0	2.8	69.8	0.75	0.77	0.13	80	1.57	0.098
09-GBC-578	Till	1.15	57.67	7.15	84.1	191	48.0	13.0	724	3.02	11.4	0.5	3.5	2.4	46.0	0.32	0.78	0.10	78	0.64	0.102
09-GBC-579	Till	1.18	84.62	7.32	119.1	81	53.9	17.5	950	4.25	15.4	1.0	8.4	2.6	93.6	0.47	0.63	0.11	125	0.85	0.130
09-GBC-580	Till	1.56	50.92	4.61	92.0	291	33.1	15.2	662	3.27	7.9	0.8	2.7	1.4	48.0	0.49	0.38	0.09	99	0.71	0.059
09-GBC-581 DUP of 09-GBC-598	Pulp DUP	0.52	36.70	11.41	65.1	136	33.3	11.9	492	2.86	5.2	1.4	2.4	8.5	40.5	0.28	0.37	0.33	62	0.57	0.103
09-GBC-582	Rock Pulp	0.13	2.08	2.10	46.5	9	4.2	4.5	540	1.86	<0.1	1.7	0.9	3.4	44.4	<0.01	<0.02	0.05	37	0.50	0.079
09-GBC-583	Till	0.89	26.41	4.50	53.5	71	29.0	8.1	449	2.08	6.4	0.6	3.8	1.9	44.0	0.23	0.49	0.07	62	0.58	0.099
09-GBC-584	Till	0.75	63.32	6.62	71.7	61	42.0	13.2	673	3.27	10.1	0.5	3.5	3.1	57.9	0.17	0.52	0.10	84	0.73	0.113
09-GBC-585	Till	0.95	74.41	7.72	92.4	55	58.9	16.2	864	3.84	11.3	0.6	2.4	3.3	67.2	0.32	0.62	0.11	99	0.79	0.131
09-GBC-586	Till	0.44	44.21	5.43	59.7	74	36.5	10.3	418	2.50	5.8	0.6	2.4	2.8	45.8	0.07	0.38	0.08	69	0.59	0.093
09-GBC-587	Till	0.46	34.60	4.06	40.8	40	32.3	8.0	265	2.13	4.1	0.5	4.8	2.3	36.1	0.12	0.28	0.04	61	0.45	0.085
09-GBC-588	Till	0.92	70.25	6.39	80.6	100	48.9	14.3	721	3.52	9.9	0.5	5.7	2.7	56.8	0.39	0.61	0.09	91	0.82	0.105
09-GBC-589	Till	0.84	72.91	7.39	84.7	152	51.5	18.4	875	3.62	11.6	0.5	3.1	3.0	61.8	0.40	0.62	0.12	92	0.85	0.129

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Bureau Veritas Commodities Canada Ltd.

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002942A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
09-GBC-560	Till	13.3	35.7	0.46	100.3	0.116	<20	1.18	0.014	0.04	<0.1	4.8	0.06	<0.02	42	0.1	<0.02	3.8	0.50	<0.1	0.09
09-GBC-561 DUP of 09-GBC-570	Pulp DUP	9.5	34.4	0.51	98.2	0.099	<20	1.35	0.012	0.04	0.2	4.1	0.08	<0.02	35	0.1	0.02	4.3	0.60	<0.1	0.03
09-GBC-562	Rock Pulp	6.5	52.2	1.18	63.3	0.267	<20	2.95	0.037	0.05	0.1	7.9	0.06	0.16	114	1.0	0.09	8.0	0.58	<0.1	0.12
09-GBC-563	Till	13.2	50.8	0.71	146.6	0.120	<20	1.55	0.018	0.08	0.1	8.0	0.10	<0.02	93	<0.1	0.03	4.8	0.94	<0.1	0.22
09-GBC-564	Till	15.7	56.9	0.78	170.8	0.127	<20	1.81	0.015	0.10	<0.1	9.2	0.14	<0.02	137	<0.1	<0.02	5.4	0.98	<0.1	0.21
09-GBC-565	Till	17.4	46.4	0.73	141.1	0.070	<20	1.68	0.017	0.11	0.1	9.4	0.13	<0.02	224	0.2	0.06	5.3	1.39	<0.1	0.04
09-GBC-566	Till	12.4	57.7	0.87	157.6	0.116	<20	1.64	0.015	0.07	<0.1	6.3	0.11	<0.02	71	<0.1	0.04	5.2	0.95	<0.1	0.03
09-GBC-567	Till	12.9	55.7	0.76	172.2	0.130	<20	1.83	0.014	0.07	<0.1	8.7	0.12	<0.02	112	<0.1	0.04	5.3	0.87	<0.1	0.13
09-GBC-568	Till	11.2	45.8	0.60	133.1	0.110	<20	1.35	0.014	0.06	<0.1	6.3	0.08	<0.02	71	<0.1	0.02	4.4	0.64	<0.1	0.10
09-GBC-569	Till	9.7	41.0	0.56	126.5	0.100	<20	1.45	0.011	0.05	<0.1	6.0	0.09	<0.02	56	<0.1	0.02	4.2	0.63	<0.1	0.07
09-GBC-570	Till	9.9	34.9	0.53	109.4	0.098	<20	1.41	0.010	0.04	<0.1	4.4	0.08	<0.02	44	<0.1	<0.02	4.2	0.63	<0.1	0.03
09-GBC-571	Till	11.8	53.1	0.70	153.8	0.110	<20	1.51	0.015	0.06	<0.1	5.7	0.11	<0.02	116	<0.1	<0.02	4.4	0.78	<0.1	0.08
09-GBC-572	Till	10.7	45.6	0.64	128.6	0.105	<20	1.37	0.014	0.06	<0.1	4.7	0.10	<0.02	79	<0.1	0.02	4.1	0.72	<0.1	0.08
09-GBC-573	Till	12.0	43.9	0.72	121.9	0.118	<20	1.37	0.014	0.05	<0.1	5.0	0.07	<0.02	54	<0.1	<0.02	4.3	0.62	<0.1	0.06
09-GBC-574	Till	12.2	54.6	0.85	186.8	0.115	<20	1.57	0.020	0.09	<0.1	9.2	0.18	<0.02	203	<0.1	0.04	5.3	1.17	<0.1	0.24
09-GBC-575	Till	10.8	38.5	0.60	132.8	0.102	<20	1.36	0.013	0.05	<0.1	4.4	0.09	<0.02	47	<0.1	<0.02	4.3	0.79	<0.1	0.04
09-GBC-576	Till	11.7	41.3	0.57	107.4	0.117	<20	1.27	0.010	0.05	<0.1	5.4	0.08	<0.02	48	<0.1	<0.02	4.3	0.60	<0.1	0.06
09-GBC-577	Till	13.6	60.0	1.05	246.7	0.110	<20	1.72	0.022	0.12	<0.1	8.6	0.16	0.02	136	0.3	0.07	5.4	1.13	<0.1	0.25
09-GBC-578	Till	13.0	54.3	0.66	162.7	0.104	<20	1.56	0.017	0.08	0.1	7.4	0.14	<0.02	125	<0.1	0.03	4.9	0.80	<0.1	0.06
09-GBC-579	Till	15.0	57.3	1.21	213.1	0.170	<20	2.32	0.031	0.26	0.1	12.1	0.26	<0.02	142	<0.1	0.07	8.0	2.36	<0.1	0.15
09-GBC-580	Till	10.5	48.6	0.97	168.9	0.127	<20	2.26	0.030	0.09	0.1	6.5	0.10	<0.02	57	<0.1	0.03	7.5	1.43	<0.1	0.07
09-GBC-581 DUP of 09-GBC-598	Pulp DUP	26.6	46.2	0.73	123.6	0.121	<20	1.58	0.017	0.28	0.2	6.3	0.17	<0.02	29	<0.1	0.04	6.0	2.16	0.1	0.16
09-GBC-582	Rock Pulp	5.8	9.9	0.61	249.2	0.130	<20	0.89	0.041	0.50	<0.1	2.3	0.37	<0.02	<5	<0.1	<0.02	4.8	3.37	0.1	0.08
09-GBC-583	Till	12.5	42.2	0.59	134.3	0.113	<20	1.34	0.015	0.07	0.1	4.8	0.08	<0.02	66	0.1	0.02	4.2	0.69	<0.1	0.05
09-GBC-584	Till	15.6	61.8	0.77	215.8	0.127	<20	1.84	0.021	0.08	<0.1	10.3	0.12	<0.02	128	0.1	0.04	5.9	0.92	<0.1	0.11
09-GBC-585	Till	16.1	71.3	0.93	272.0	0.148	<20	2.17	0.027	0.13	<0.1	11.4	0.16	<0.02	114	0.2	0.04	7.0	1.29	<0.1	0.21
09-GBC-586	Till	15.1	52.9	0.62	205.4	0.119	<20	1.76	0.015	0.06	<0.1	8.0	0.12	<0.02	129	0.1	<0.02	5.1	0.84	<0.1	0.10
09-GBC-587	Till	14.2	47.3	0.54	160.5	0.122	<20	1.53	0.012	0.04	<0.1	5.2	0.09	<0.02	70	<0.1	<0.02	4.4	0.65	<0.1	0.07
09-GBC-588	Till	13.6	54.5	0.89	195.6	0.123	<20	1.86	0.028	0.13	<0.1	9.4	0.13	<0.02	129	<0.1	0.04	5.5	1.08	<0.1	0.19
09-GBC-589	Till	13.9	58.3	1.00	215.7	0.135	<20	1.90	0.030	0.11	<0.1	9.6	0.17	<0.02	128	0.1	0.03	6.5	1.38	<0.1	0.17

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3890 Trailhead Drive
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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002942A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%	%	%	%	%	%
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01
09-GBC-560	Till	0.13	4.8	0.2	<0.05	4.3	8.04	25.7	<0.02	<1	0.3	8.1	<10	<2	71.48	12.21	3.65	1.49	2.27	2.98	1.87
09-GBC-561 DUP of 09-GBC-570	Pulp DUP	0.23	5.9	0.2	<0.05	1.3	4.91	19.6	<0.02	<1	0.3	9.9	<10	<2	70.92	12.56	3.67	1.65	2.06	2.90	1.72
09-GBC-562	Rock Pulp	1.00	3.0	0.5	<0.05	5.6	10.64	15.8	0.04	1	0.4	7.8	<10	2	45.86	13.68	10.66	4.27	6.50	2.02	0.72
09-GBC-563	Till	0.08	6.6	0.3	<0.05	8.0	10.43	26.5	0.03	<1	0.3	11.0	<10	3	66.09	13.25	5.78	2.01	2.82	2.75	1.91
09-GBC-564	Till	0.10	8.0	0.6	<0.05	8.9	14.25	27.5	0.03	<1	0.6	9.5	<10	2	65.99	13.48	5.85	2.07	2.47	2.68	1.94
09-GBC-565	Till	0.21	9.9	0.3	<0.05	2.8	15.74	35.0	0.04	1	0.7	14.5	<10	2	64.21	14.20	5.88	1.91	2.16	2.49	2.34
09-GBC-566	Till	0.17	5.6	0.2	<0.05	2.6	9.04	24.3	0.02	<1	0.5	10.4	<10	<2	66.82	13.09	5.60	2.35	2.13	2.61	1.72
09-GBC-567	Till	0.15	6.5	0.3	<0.05	6.2	11.78	29.4	0.02	2	0.5	9.8	<10	<2	66.29	13.13	5.91	2.15	2.62	2.75	1.87
09-GBC-568	Till	0.17	4.8	0.3	<0.05	4.0	8.08	21.7	<0.02	1	0.4	8.1	<10	<2	68.20	12.54	4.85	1.83	2.62	2.85	1.82
09-GBC-569	Till	0.16	5.0	0.3	<0.05	3.0	6.30	20.6	0.02	<1	0.3	9.8	<10	13	69.92	12.42	4.31	1.67	1.99	2.84	1.72
09-GBC-570	Till	0.27	6.2	0.3	<0.05	1.6	5.03	20.8	0.02	<1	0.4	11.2	<10	3	70.53	12.53	3.68	1.64	2.04	2.89	1.70
09-GBC-571	Till	0.21	5.3	0.5	<0.05	4.8	8.76	22.4	0.03	<1	0.5	10.7	<10	<2	68.38	12.64	4.65	1.92	2.25	2.79	1.70
09-GBC-572	Till	0.29	5.1	0.2	<0.05	3.7	6.76	20.7	0.02	<1	0.3	8.3	<10	<2	69.68	12.22	4.24	1.84	2.23	2.82	1.69
09-GBC-573	Till	0.36	5.7	0.3	<0.05	2.4	6.51	23.7	0.02	<1	0.2	10.6	<10	2	70.21	12.24	4.18	1.95	1.93	2.89	1.65
09-GBC-574	Till	0.04	6.4	0.4	<0.05	8.8	10.67	25.5	0.04	<1	0.4	10.1	<10	4	63.84	11.92	5.69	2.15	4.70	2.52	1.68
09-GBC-575	Till	0.60	8.5	0.4	<0.05	2.3	5.98	22.7	<0.02	<1	0.4	10.3	<10	3	69.88	12.15	3.81	1.71	2.24	2.94	1.74
09-GBC-576	Till	0.22	4.9	0.2	<0.05	3.1	6.30	24.7	0.02	<1	0.2	8.7	<10	<2	71.52	12.01	3.75	1.66	1.96	2.94	1.69
09-GBC-577	Till	0.10	7.6	0.8	<0.05	9.1	10.76	27.0	0.02	1	0.5	12.6	<10	<2	63.05	13.19	6.05	2.57	3.64	2.51	1.83
09-GBC-578	Till	0.29	6.1	0.5	<0.05	3.2	10.65	27.0	0.03	<1	0.4	10.6	<10	2	66.48	12.75	5.56	1.92	2.50	2.69	1.77
09-GBC-579	Till	0.19	19.5	0.5	<0.05	6.8	13.27	28.6	0.04	<1	0.5	14.5	<10	4	61.12	13.97	7.23	2.73	2.69	2.57	2.07
09-GBC-580	Till	0.85	13.2	0.3	<0.05	3.0	7.74	22.1	0.03	<1	0.6	18.3	<10	3	61.43	13.14	6.16	2.44	2.70	2.69	1.51
09-GBC-581 DUP of 09-GBC-598	Pulp DUP	0.07	22.0	0.6	<0.05	5.0	10.86	50.3	0.03	<1	0.5	20.1	<10	4	66.66	13.94	5.12	1.85	2.29	2.29	2.81
09-GBC-582	Rock Pulp	0.18	44.7	0.3	<0.05	1.3	3.65	11.9	<0.02	<1	0.3	30.8	<10	<2	66.09	16.18	3.54	1.22	3.73	3.53	3.75
09-GBC-583	Till	0.49	5.6	0.3	<0.05	2.2	7.66	30.2	<0.02	<1	0.3	8.0	<10	<2	70.08	12.05	4.02	1.68	2.37	2.87	1.82
09-GBC-584	Till	0.06	6.3	0.5	<0.05	5.8	12.63	30.8	0.04	<1	0.4	12.1	12	2	65.38	13.30	5.91	2.03	2.67	2.68	1.84
09-GBC-585	Till	0.06	9.8	0.6	<0.05	9.2	14.80	30.2	0.04	<1	0.6	13.6	<10	<2	63.30	13.84	6.54	2.24	2.53	2.57	1.93
09-GBC-586	Till	0.15	6.8	0.4	<0.05	5.1	11.83	28.1	0.03	1	0.2	9.4	<10	<2	67.47	13.07	4.79	1.79	2.41	2.69	1.72
09-GBC-587	Till	0.24	5.4	0.2	<0.05	3.4	7.10	28.7	0.02	<1	0.2	8.4	<10	<2	69.78	12.33	4.37	1.70	2.27	2.91	1.66
09-GBC-588	Till	0.06	8.5	0.4	<0.05	8.2	11.66	26.8	0.03	<1	0.4	11.3	<10	<2	64.67	13.25	6.22	2.24	2.75	2.65	1.93
09-GBC-589	Till	0.05	10.3	0.5	<0.05	8.3	11.63	30.0	0.03	<1	0.5	13.0	<10	4	63.50	13.48	6.56	2.50	2.97	2.64	1.96

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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002942A.2

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
	Analyte	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
	Unit	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	MDL	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3	5	1	-5.1	0.01	0.02	0.02
09-GBC-560	Till	0.83	0.19	0.06	0.019	30	966	44	31	<20	391	161	37	20	8	13	2.7	99.96	0.14	<0.02
09-GBC-561 DUP of 09-GBC-570	Pulp DUP	0.79	0.14	0.06	0.018	29	960	55	35	<20	355	162	32	16	10	13	3.3	99.96	0.32	<0.02
09-GBC-562	Rock Pulp	1.30	0.20	0.21	0.026	108	264	99	67	34	265	272	<30	25	8	29	14.3	99.88	4.49	0.16
09-GBC-563	Till	0.79	0.25	0.10	0.018	58	940	71	42	<20	399	155	45	22	9	17	4.0	99.94	0.12	<0.02
09-GBC-564	Till	0.80	0.23	0.09	0.021	82	999	79	53	<20	374	149	31	24	8	18	4.1	99.93	0.19	<0.02
09-GBC-565	Till	0.80	0.23	0.10	0.016	85	989	68	41	<20	377	172	46	26	9	17	5.4	99.95	0.67	<0.02
09-GBC-566	Till	0.85	0.19	0.09	0.022	45	964	82	80	<20	317	136	43	21	11	16	4.3	99.94	0.31	<0.02
09-GBC-567	Till	0.78	0.25	0.11	0.022	67	1026	72	53	<20	403	140	43	21	9	18	3.9	99.94	0.21	<0.02
09-GBC-568	Till	0.76	0.22	0.08	0.024	43	1004	61	38	<20	406	147	<30	18	10	15	4.0	99.94	0.26	<0.02
09-GBC-569	Till	0.76	0.16	0.07	0.020	57	997	65	38	<20	354	141	43	18	10	14	3.9	99.96	0.21	<0.02
09-GBC-570	Till	0.80	0.13	0.06	0.017	32	972	57	35	<20	358	147	39	16	11	13	3.8	99.96	0.31	<0.02
09-GBC-571	Till	0.78	0.19	0.07	0.022	40	970	70	61	<20	347	142	37	18	9	14	4.4	99.96	0.33	<0.02
09-GBC-572	Till	0.77	0.18	0.07	0.022	34	957	62	57	<20	345	148	37	17	12	13	4.0	99.96	0.38	<0.02
09-GBC-573	Till	0.84	0.15	0.06	0.018	23	938	66	54	<20	322	127	39	17	10	13	3.7	99.95	0.31	<0.02
09-GBC-574	Till	0.69	0.24	0.13	0.020	71	987	103	63	<20	370	123	36	20	8	16	6.2	99.95	0.65	<0.02
09-GBC-575	Till	0.79	0.20	0.08	0.021	29	952	71	39	<20	367	156	38	16	11	12	4.2	99.96	0.68	<0.02
09-GBC-576	Till	0.80	0.16	0.06	0.019	30	958	52	35	<20	337	146	41	17	8	13	3.2	99.96	0.23	<0.02
09-GBC-577	Till	0.77	0.24	0.12	0.020	67	1057	104	70	22	344	137	52	21	6	17	5.7	99.93	0.65	0.03
09-GBC-578	Till	0.76	0.24	0.11	0.022	61	1033	89	55	<20	351	165	33	21	8	16	4.9	99.95	0.46	<0.02
09-GBC-579	Till	0.89	0.28	0.14	0.016	228	1105	118	65	21	426	133	39	23	9	18	6.0	99.93	0.41	<0.02
09-GBC-580	Till	0.86	0.16	0.11	0.017	59	901	106	41	<20	380	144	34	19	10	16	8.5	99.93	1.95	<0.02
09-GBC-581 DUP of 09-GBC-598	Pulp DUP	0.78	0.26	0.08	0.015	66	979	72	38	<20	319	308	100	31	20	14	3.6	99.95	0.08	<0.02
09-GBC-582	Rock Pulp	0.41	0.18	0.10	0.002	5	1049	54	<20	<20	753	133	52	17	25	6	1.0	99.97	0.04	<0.02
09-GBC-583	Till	0.76	0.23	0.08	0.017	26	1052	58	31	<20	386	163	36	17	8	12	3.8	99.95	0.46	<0.02
09-GBC-584	Till	0.77	0.25	0.10	0.020	65	998	77	46	<20	381	159	33	22	8	17	4.8	99.94	0.19	<0.02
09-GBC-585	Till	0.78	0.27	0.12	0.021	74	1049	90	60	<20	366	137	<30	22	12	18	5.6	99.94	0.18	<0.02
09-GBC-586	Till	0.81	0.22	0.07	0.020	46	965	68	50	<20	357	156	44	22	12	15	4.7	99.95	0.26	<0.02
09-GBC-587	Till	0.87	0.21	0.06	0.023	38	938	50	46	<20	355	160	49	19	12	13	3.6	99.95	0.23	<0.02
09-GBC-588	Till	0.79	0.26	0.12	0.019	72	1011	97	60	22	374	138	36	22	8	17	4.8	99.93	0.14	<0.02
09-GBC-589	Till	0.79	0.29	0.13	0.019	72	1037	92	59	23	391	127	46	21	10	17	4.9	99.93	0.15	<0.02

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002942A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
09-GBC-590	Till	4.05	62.39	15.93	124.1	399	81.8	23.7	1073	3.56	21.5	0.7	7.4	7.0	86.6	1.15	1.39	0.23	43	3.30	0.098
09-GBC-591	Till	3.50	64.34	14.78	127.4	340	86.8	23.0	1166	3.56	18.7	0.6	5.9	6.7	78.7	1.14	1.25	0.24	45	3.19	0.094
09-GBC-592	Till	5.00	108.00	14.60	167.3	378	78.9	23.2	1133	4.45	31.4	0.9	51.7	5.2	33.7	0.78	2.22	0.27	61	0.51	0.132
09-GBC-593	Till	2.48	51.97	15.18	126.2	285	64.8	16.7	904	3.34	15.8	0.6	2.6	7.6	83.0	1.04	0.86	0.22	43	3.33	0.121
09-GBC-594	Till	1.78	56.18	8.50	97.5	218	35.0	15.0	570	2.56	13.2	1.2	2.8	3.8	96.2	1.04	0.95	0.27	52	1.86	0.143
09-GBC-595	Till	2.72	95.92	15.38	114.4	456	57.9	23.7	811	4.36	19.6	1.4	3.0	4.9	108.2	1.15	0.96	0.36	86	1.76	0.123
09-GBC-596	Till	0.57	28.18	10.43	54.6	28	26.1	11.1	436	2.43	4.5	1.4	2.2	8.0	26.3	0.15	0.24	0.29	55	0.33	0.066
09-GBC-597	Till	0.43	28.43	10.00	48.4	17	25.1	10.3	425	2.35	4.0	1.6	2.0	10.2	29.4	0.15	0.27	0.32	54	0.34	0.078
09-GBC-598	Till	0.53	37.27	11.99	66.1	126	34.9	11.6	487	3.04	5.0	1.7	1.9	10.1	40.0	0.27	0.41	0.32	68	0.61	0.104
09-GBC-599	Till	0.72	38.29	18.13	68.6	38	55.7	24.5	932	3.03	5.3	2.5	1.8	11.5	36.1	0.26	0.29	0.36	69	0.43	0.072
09-GBC-600	Till	0.42	23.05	11.66	50.6	90	24.8	9.3	460	2.20	3.3	2.4	1.5	13.1	26.7	0.10	0.19	0.37	48	0.39	0.081
09-GBC-601 DUP of 09-GBC-619	Pulp DUP	0.60	23.25	13.25	59.8	17	22.6	11.1	400	2.90	3.2	2.8	15.0	15.9	33.7	0.10	0.16	0.35	49	0.22	0.046
09-GBC-602	Rock Pulp	14.21	171.31	7.41	50.2	81	13.5	11.8	442	4.46	6.3	0.5	38.8	1.2	53.5	0.19	0.18	0.60	105	0.83	0.054
09-GBC-603	Till	0.66	40.55	33.98	132.6	115	34.9	13.3	535	3.55	5.6	2.5	2.4	12.6	37.4	0.23	0.25	1.16	63	0.44	0.073
09-GBC-604	Till	0.58	30.53	14.15	67.1	42	27.3	13.9	609	2.60	3.5	2.0	1.5	11.5	32.2	0.28	0.24	0.30	57	0.41	0.075
09-GBC-605	Till	1.21	41.35	19.61	81.8	21	30.5	14.1	579	3.55	8.9	4.3	2.2	17.1	33.0	0.11	0.26	0.29	59	0.33	0.091
09-GBC-606	Till	0.49	25.45	8.99	43.0	12	17.8	8.2	365	2.12	3.3	1.8	10.8	11.1	23.3	0.11	0.25	0.23	51	0.34	0.082
09-GBC-607	Till	0.45	14.76	6.39	28.4	17	18.3	6.2	243	1.67	2.7	1.5	1.5	10.1	21.4	0.14	0.24	0.16	43	0.35	0.090
09-GBC-608	Till	0.56	27.32	10.01	48.6	28	26.4	9.9	461	2.42	4.3	1.7	2.0	10.2	34.9	0.15	0.28	0.26	61	0.47	0.101
09-GBC-609	Till	0.80	20.23	8.13	45.1	49	20.8	6.3	228	2.56	3.9	1.5	2.4	9.6	15.5	0.14	0.17	0.22	52	0.23	0.075
09-GBC-610	Till	0.64	55.50	14.32	83.3	70	41.9	14.0	577	3.63	6.8	1.2	2.8	7.7	47.9	0.21	0.29	0.30	84	0.60	0.088
09-GBC-611	Till	0.61	49.00	14.21	81.2	124	40.3	13.5	513	3.48	6.6	1.2	3.1	7.3	42.0	0.24	0.34	0.28	83	0.52	0.086
09-GBC-612	Till	0.88	49.92	15.55	80.0	102	35.7	14.3	637	3.42	6.4	1.5	2.4	9.4	44.8	0.21	0.34	0.39	77	0.58	0.093
09-GBC-613	Till	0.61	25.17	8.31	48.1	13	41.9	9.5	335	2.43	4.0	1.7	1.2	11.2	21.0	0.16	0.27	0.22	56	0.33	0.098
09-GBC-614	Till	0.66	29.77	13.65	65.1	51	25.7	9.4	415	2.83	3.8	3.0	3.7	13.7	30.7	0.16	0.28	0.39	55	0.39	0.089
09-GBC-615	Till	1.13	49.82	18.61	101.6	185	42.6	19.6	936	3.93	7.8	2.2	2.6	11.5	42.7	0.36	0.34	0.43	78	0.56	0.096
09-GBC-616	Till	0.72	23.46	11.59	58.6	27	22.2	9.3	365	2.88	2.9	2.0	1.0	12.1	22.8	0.13	0.15	0.27	56	0.21	0.043
09-GBC-617	Till	1.32	44.92	17.56	88.3	30	38.6	17.7	645	4.03	4.6	2.5	1.3	11.8	41.3	0.11	0.13	0.35	73	0.33	0.064
09-GBC-618	Till	1.17	55.94	20.06	109.7	186	44.7	17.3	740	4.32	5.5	2.0	1.5	11.8	52.1	0.19	0.21	0.40	87	0.54	0.091
09-GBC-619	Till	0.54	22.97	12.81	59.3	16	22.8	11.2	400	2.93	3.0	2.6	0.6	14.2	32.5	0.09	0.11	0.32	50	0.21	0.045

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Project: BG_RE_01
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CERTIFICATE OF ANALYSIS VAN19002942A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
09-GBC-590	Till	18.3	40.0	0.78	236.1	0.036	<20	1.53	0.011	0.19	<0.1	7.0	0.24	<0.02	99	0.8	0.06	4.3	1.21	<0.1	0.17
09-GBC-591	Till	20.1	42.1	0.80	238.2	0.036	<20	1.56	0.010	0.19	<0.1	6.8	0.23	<0.02	124	0.6	0.06	4.2	1.17	<0.1	0.14
09-GBC-592	Till	20.3	54.5	0.74	191.4	0.048	<20	1.65	0.008	0.13	<0.1	11.0	0.24	<0.02	179	1.4	0.08	4.6	1.72	<0.1	0.05
09-GBC-593	Till	22.6	36.7	0.67	200.7	0.037	<20	1.47	0.012	0.19	<0.1	6.2	0.22	<0.02	67	0.6	0.03	4.0	1.07	<0.1	0.12
09-GBC-594	Till	14.0	36.4	0.74	226.4	0.079	<20	1.03	0.012	0.18	<0.1	5.4	0.25	0.27	38	1.1	0.03	3.7	1.54	<0.1	0.11
09-GBC-595	Till	18.7	64.8	1.22	464.4	0.103	<20	2.13	0.013	0.37	<0.1	8.9	0.31	0.07	92	1.3	0.05	6.9	3.36	<0.1	0.12
09-GBC-596	Till	25.4	44.0	0.61	118.3	0.115	<20	1.58	0.010	0.18	0.2	5.7	0.16	<0.02	30	<0.1	0.03	5.7	1.87	<0.1	0.07
09-GBC-597	Till	29.4	39.9	0.49	161.7	0.114	<20	1.68	0.016	0.22	0.2	5.5	0.16	<0.02	24	<0.1	0.03	5.7	1.70	<0.1	0.05
09-GBC-598	Till	30.8	46.5	0.75	122.1	0.135	<20	1.61	0.016	0.30	0.1	6.0	0.17	<0.02	40	0.2	0.04	6.0	2.06	<0.1	0.17
09-GBC-599	Till	33.4	61.9	0.72	170.2	0.127	<20	1.87	0.015	0.26	0.2	6.5	0.20	<0.02	90	0.3	0.03	6.6	2.16	<0.1	0.11
09-GBC-600	Till	39.0	33.6	0.51	114.6	0.106	<20	1.38	0.013	0.18	0.3	4.2	0.15	<0.02	22	<0.1	0.02	5.3	1.57	<0.1	0.04
09-GBC-601 DUP of 09-GBC-619	Pulp DUP	44.3	38.3	0.79	76.4	0.118	<20	1.80	0.008	0.28	0.1	4.0	0.23	<0.02	14	0.1	<0.02	7.2	2.96	<0.1	0.02
09-GBC-602	Rock Pulp	5.4	22.1	0.75	58.5	0.159	<20	2.18	0.026	0.05	<0.1	6.0	0.02	0.63	27	3.3	0.53	6.2	0.36	<0.1	0.14
09-GBC-603	Till	32.8	53.0	0.81	150.4	0.133	<20	2.26	0.011	0.44	0.5	6.9	0.31	<0.02	26	<0.1	0.05	8.3	4.11	<0.1	0.16
09-GBC-604	Till	34.4	40.7	0.63	150.9	0.124	<20	1.68	0.013	0.21	0.2	6.0	0.18	<0.02	50	0.2	0.03	6.3	1.92	<0.1	0.06
09-GBC-605	Till	45.7	45.6	0.86	183.8	0.101	<20	2.22	0.007	0.34	0.3	6.1	0.29	<0.02	16	0.2	0.04	8.9	4.24	<0.1	<0.02
09-GBC-606	Till	29.0	30.4	0.48	75.3	0.104	<20	1.30	0.009	0.11	0.2	4.1	0.12	<0.02	29	0.1	0.02	4.7	1.17	<0.1	0.06
09-GBC-607	Till	30.2	26.1	0.31	54.6	0.082	<20	1.01	0.009	0.06	0.2	2.5	0.05	<0.02	23	0.1	<0.02	3.1	0.55	<0.1	0.04
09-GBC-608	Till	31.5	37.1	0.52	99.9	0.113	<20	1.32	0.011	0.14	0.1	5.0	0.11	<0.02	35	<0.1	0.02	4.9	1.21	<0.1	0.08
09-GBC-609	Till	25.7	35.7	0.41	76.0	0.082	<20	2.11	0.007	0.11	0.2	3.5	0.11	<0.02	39	0.3	<0.02	5.4	1.17	<0.1	0.04
09-GBC-610	Till	23.2	60.2	0.98	173.4	0.144	<20	2.19	0.016	0.27	<0.1	8.1	0.22	<0.02	72	0.2	0.04	7.4	2.32	<0.1	0.11
09-GBC-611	Till	23.2	57.7	0.89	151.3	0.138	<20	2.24	0.013	0.25	0.1	7.3	0.20	<0.02	56	0.3	0.02	7.2	2.05	<0.1	0.10
09-GBC-612	Till	27.0	50.3	0.81	194.3	0.141	<20	2.06	0.019	0.29	0.2	7.4	0.22	<0.02	84	0.3	0.03	7.1	2.50	<0.1	0.19
09-GBC-613	Till	29.9	41.6	0.52	84.8	0.100	<20	1.59	0.007	0.13	0.2	3.6	0.12	<0.02	20	0.2	<0.02	5.0	1.23	<0.1	0.04
09-GBC-614	Till	36.9	39.6	0.62	94.5	0.109	<20	1.69	0.010	0.19	0.3	4.9	0.18	<0.02	23	0.1	<0.02	6.5	2.34	<0.1	0.05
09-GBC-615	Till	31.5	55.4	0.96	204.8	0.137	<20	2.48	0.014	0.39	0.2	7.9	0.26	<0.02	49	0.2	0.04	8.7	2.99	<0.1	0.20
09-GBC-616	Till	33.0	40.7	0.74	74.5	0.112	<20	2.02	0.008	0.23	0.1	4.4	0.19	<0.02	23	<0.1	0.03	7.3	2.28	<0.1	0.02
09-GBC-617	Till	35.8	57.2	1.07	192.5	0.138	<20	2.81	0.011	0.46	0.2	7.2	0.32	<0.02	34	<0.1	0.04	9.8	4.03	<0.1	0.04
09-GBC-618	Till	34.1	64.9	1.06	173.4	0.146	<20	2.70	0.015	0.38	0.1	9.0	0.28	<0.02	65	0.2	0.04	10.2	3.81	<0.1	0.19
09-GBC-619	Till	40.7	38.7	0.80	73.8	0.111	<20	1.81	0.007	0.28	<0.1	4.0	0.22	<0.02	17	<0.1	0.02	7.2	2.83	<0.1	<0.02

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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002942A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%	%	%	%	%	%
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01
09-GBC-590	Till	0.06	11.3	0.4	<0.05	7.4	10.85	38.3	0.04	<1	0.5	14.4	<10	2	60.84	12.50	6.17	1.89	5.25	1.18	2.26
09-GBC-591	Till	0.05	11.2	0.2	<0.05	7.0	10.37	41.3	0.04	<1	0.5	13.4	<10	<2	61.26	12.58	6.00	1.86	5.02	1.21	2.28
09-GBC-592	Till	0.12	10.8	0.4	<0.05	3.3	17.24	35.2	0.04	<1	0.5	12.5	<10	4	62.63	14.39	7.56	2.13	1.59	1.42	2.38
09-GBC-593	Till	0.06	12.4	0.9	<0.05	6.5	10.79	44.0	<0.02	1	0.5	13.6	<10	<2	63.84	11.30	5.62	1.65	5.18	1.19	2.08
09-GBC-594	Till	0.14	13.5	0.2	<0.05	4.3	10.69	27.1	<0.02	<1	0.4	12.0	<10	3	63.33	12.62	5.90	2.45	5.43	2.36	2.10
09-GBC-595	Till	0.11	28.6	1.4	<0.05	5.8	13.25	35.3	0.04	1	0.8	23.8	<10	3	56.97	15.03	7.91	2.90	3.97	1.82	2.52
09-GBC-596	Till	0.43	20.2	1.1	<0.05	2.6	8.02	49.9	0.02	<1	0.6	22.1	<10	<2	68.58	13.71	4.51	1.61	1.79	2.25	2.76
09-GBC-597	Till	0.30	20.8	0.6	<0.05	3.4	8.49	58.7	<0.02	<1	1.0	16.1	<10	2	69.05	13.64	4.39	1.36	1.79	2.24	2.94
09-GBC-598	Till	0.09	22.6	0.9	<0.05	6.0	11.62	53.8	0.03	<1	0.7	20.4	<10	<2	66.58	14.04	5.25	1.86	2.33	2.33	2.91
09-GBC-599	Till	0.23	24.8	1.5	<0.05	5.1	12.68	60.7	0.03	<1	0.9	19.5	<10	<2	66.91	13.93	5.07	1.64	1.75	2.25	2.98
09-GBC-600	Till	0.41	16.5	0.8	<0.05	2.0	11.29	65.8	0.02	<1	0.6	15.2	<10	<2	69.88	13.19	3.87	1.32	1.77	2.44	3.21
09-GBC-601 DUP of 09-GBC-619	Pulp DUP	0.61	31.2	0.6	<0.05	1.3	10.25	79.1	0.02	<1	0.6	35.6	<10	<2	66.85	15.19	4.72	1.66	1.18	2.17	3.34
09-GBC-602	Rock Pulp	0.24	1.9	0.7	<0.05	6.0	6.57	10.0	0.07	22	0.2	4.4	<10	<2	59.86	14.79	8.19	2.24	4.27	2.28	1.15
09-GBC-603	Till	0.13	40.9	1.1	<0.05	5.7	11.87	58.0	0.04	<1	1.1	31.8	<10	<2	63.19	16.16	5.72	1.72	1.53	2.04	3.46
09-GBC-604	Till	0.25	20.4	1.2	<0.05	3.4	13.53	61.8	0.03	<1	0.8	20.1	<10	<2	67.97	14.22	4.36	1.47	1.65	2.52	3.12
09-GBC-605	Till	0.32	33.3	0.9	<0.05	1.0	16.40	85.7	0.03	<1	1.3	32.3	<10	<2	63.05	16.56	5.66	1.80	1.16	1.91	3.60
09-GBC-606	Till	0.25	12.7	0.5	<0.05	3.3	8.74	53.1	0.02	<1	0.4	14.8	<10	2	69.89	13.48	3.84	1.26	1.78	2.60	3.07
09-GBC-607	Till	0.65	5.8	0.3	<0.05	1.9	8.90	54.5	<0.02	<1	0.3	8.6	<10	<2	72.87	11.91	3.23	1.08	2.04	2.56	2.68
09-GBC-608	Till	0.10	12.3	0.5	<0.05	4.1	11.72	58.6	<0.02	<1	0.5	15.8	<10	<2	69.84	13.11	4.21	1.38	2.08	2.59	2.78
09-GBC-609	Till	1.10	13.2	0.4	<0.05	2.1	7.06	45.5	0.02	<1	0.5	15.8	<10	<2	68.18	13.02	4.24	1.08	1.39	2.10	2.61
09-GBC-610	Till	0.05	25.3	0.7	<0.05	5.9	15.02	38.2	0.03	<1	0.8	24.8	<10	2	63.20	14.77	6.23	2.31	2.27	2.21	2.60
09-GBC-611	Till	0.17	23.8	0.6	<0.05	5.1	15.94	39.5	0.03	<1	0.8	27.1	<10	<2	64.49	14.28	5.93	2.12	2.12	2.18	2.52
09-GBC-612	Till	0.07	26.3	3.2	<0.05	7.5	12.24	46.4	0.03	<1	0.8	23.8	<10	2	64.72	14.55	5.77	1.92	2.10	2.23	2.86
09-GBC-613	Till	0.51	14.3	0.3	<0.05	2.4	8.24	54.1	<0.02	<1	0.5	16.7	<10	<2	69.11	13.39	4.47	1.47	1.92	2.42	2.68
09-GBC-614	Till	0.28	19.5	0.6	<0.05	2.6	12.04	64.5	0.03	<1	0.8	22.3	<10	<2	66.82	14.78	4.76	1.50	1.75	2.51	3.02
09-GBC-615	Till	0.07	31.8	1.5	<0.05	8.1	11.96	57.1	0.04	<1	0.9	31.0	<10	<2	61.53	16.14	6.61	2.17	1.86	2.05	3.04
09-GBC-616	Till	0.64	23.8	0.7	<0.05	1.2	7.47	59.1	0.02	<1	0.6	31.2	<10	<2	66.26	14.98	4.83	1.69	1.25	2.30	3.21
09-GBC-617	Till	0.20	38.9	0.8	<0.05	2.5	15.26	62.7	0.04	<1	1.4	44.4	<10	<2	60.54	16.99	6.66	2.19	1.32	1.91	3.36
09-GBC-618	Till	0.05	32.8	0.9	<0.05	8.0	14.38	55.9	0.04	<1	1.1	39.3	<10	2	60.69	16.18	7.02	2.21	1.75	2.13	3.12
09-GBC-619	Till	0.43	30.0	0.5	<0.05	1.1	9.56	73.7	0.02	<1	0.6	36.9	<10	<2	67.01	15.23	4.68	1.66	1.17	2.20	3.32

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002942A.2

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
	Analyte	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
	Unit	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	MDL	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3	5	1	-5.1	0.01	0.02	0.02
09-GBC-590	Till	0.70	0.23	0.15	0.017	63	969	138	90	26	188	255	81	30	15	15	8.5	99.93	1.18	<0.02
09-GBC-591	Till	0.71	0.24	0.16	0.016	62	978	137	87	26	186	249	77	30	15	15	8.4	99.94	1.14	<0.02
09-GBC-592	Till	0.91	0.31	0.15	0.023	107	1335	175	82	22	175	202	80	39	15	22	6.2	99.92	0.43	<0.02
09-GBC-593	Till	0.65	0.27	0.13	0.015	52	893	131	71	<20	173	247	79	28	14	13	7.8	99.94	1.20	<0.02
09-GBC-594	Till	0.76	0.31	0.11	0.017	56	1067	105	48	<20	448	294	101	34	16	19	4.3	99.92	0.60	0.28
09-GBC-595	Till	0.83	0.28	0.13	0.019	103	1322	137	67	28	335	185	66	27	16	18	7.3	99.92	0.69	0.08
09-GBC-596	Till	0.80	0.16	0.08	0.014	31	1084	59	34	<20	295	346	109	29	16	13	3.5	99.95	0.26	<0.02
09-GBC-597	Till	0.68	0.19	0.08	0.013	30	1017	55	32	<20	304	373	115	29	14	12	3.4	99.96	0.16	<0.02
09-GBC-598	Till	0.78	0.26	0.08	0.016	40	986	73	40	<20	322	320	99	30	16	14	3.3	99.94	0.08	<0.02
09-GBC-599	Till	0.70	0.19	0.14	0.020	41	1046	74	56	24	308	320	95	28	15	13	4.2	99.95	0.20	<0.02
09-GBC-600	Till	0.67	0.21	0.08	0.012	25	1099	57	30	<20	312	375	127	28	19	10	3.1	99.97	0.20	<0.02
09-GBC-601 DUP of 09-GBC-619	Pulp DUP	0.90	0.13	0.06	0.011	24	946	61	27	<20	310	508	158	40	26	12	3.5	99.94	0.23	<0.02
09-GBC-602	Rock Pulp	0.91	0.15	0.11	0.009	184	455	75	23	<20	333	124	31	19	5	20	5.8	99.93	0.57	0.60
09-GBC-603	Till	0.81	0.19	0.08	0.013	43	909	137	37	<20	251	318	117	32	21	13	4.8	99.94	0.10	<0.02
09-GBC-604	Till	0.75	0.19	0.09	0.012	33	1067	74	34	<20	312	294	101	30	19	12	3.4	99.94	0.14	<0.02
09-GBC-605	Till	0.87	0.23	0.08	0.011	43	1013	105	34	<20	253	433	154	36	25	13	4.8	99.94	0.17	<0.02
09-GBC-606	Till	0.75	0.21	0.07	0.011	27	1084	48	25	<20	344	380	120	31	19	11	2.8	99.95	0.12	<0.02
09-GBC-607	Till	0.66	0.23	0.05	0.013	16	1001	36	22	<20	336	398	115	33	14	9	2.4	99.96	0.29	<0.02
09-GBC-608	Till	0.78	0.23	0.08	0.014	31	1030	57	26	<20	350	369	108	30	16	12	2.6	99.94	0.11	<0.02
09-GBC-609	Till	0.64	0.20	0.05	0.013	31	945	56	26	<20	267	386	106	27	17	9	6.2	99.96	1.10	<0.02
09-GBC-610	Till	0.80	0.21	0.09	0.017	54	966	88	46	<20	326	250	74	29	16	16	5.0	99.92	0.20	<0.02
09-GBC-611	Till	0.79	0.21	0.09	0.016	48	944	88	42	<20	314	279	87	31	16	15	5.0	99.94	0.33	<0.02
09-GBC-612	Till	0.77	0.24	0.10	0.015	55	1059	89	38	<20	314	309	105	30	17	15	4.4	99.94	0.14	<0.02
09-GBC-613	Till	0.78	0.24	0.07	0.016	31	1003	58	45	<20	303	490	144	36	17	11	3.1	99.93	0.28	<0.02
09-GBC-614	Till	0.89	0.21	0.07	0.014	35	1005	73	27	<20	301	414	128	34	22	13	3.4	99.95	0.16	<0.02
09-GBC-615	Till	0.87	0.24	0.14	0.015	55	1014	112	49	20	272	303	105	30	23	16	5.0	99.92	0.11	<0.02
09-GBC-616	Till	0.89	0.12	0.06	0.012	34	980	64	28	<20	283	397	117	29	22	12	4.1	99.94	0.37	<0.02
09-GBC-617	Till	0.88	0.18	0.10	0.014	53	890	92	46	<20	260	329	110	35	19	15	5.6	99.91	0.20	<0.02
09-GBC-618	Till	0.91	0.22	0.11	0.016	270	963	117	49	<20	296	275	103	30	20	17	5.3	99.92	0.13	<0.02
09-GBC-619	Till	0.90	0.12	0.06	0.011	23	935	58	28	<20	311	519	148	38	27	12	3.3	99.94	0.23	<0.02

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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002942A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
09-GBC-620	Till	1.27	73.75	18.34	110.0	229	50.4	21.1	1098	4.23	11.1	1.2	4.6	7.4	53.6	0.48	0.42	0.28	100	0.84	0.110
09-GBC-621 DUP of 09-GBC-631	Pulp DUP	0.57	39.00	5.64	63.1	27	36.5	9.5	431	2.74	5.5	0.6	2.4	2.3	46.2	0.13	0.29	0.09	64	0.56	0.068
09-GBC-622	Rock Pulp	0.82	71.74	10.71	79.2	94	40.2	15.5	359	3.98	7.1	0.9	6.9	9.6	25.9	0.10	0.22	0.22	56	0.25	0.064
09-GBC-623	Till	4.14	43.48	42.06	138.5	98	32.4	13.4	1060	3.46	4.0	8.0	2.0	24.6	16.0	0.18	0.13	0.36	40	0.19	0.021
09-GBC-624	Till	1.63	80.50	10.04	96.2	320	49.3	22.6	994	3.92	12.1	0.8	2.0	5.0	62.1	0.53	1.13	0.16	97	1.45	0.120
09-GBC-625	Till	3.58	204.40	16.45	111.9	620	61.8	42.6	1860	7.98	24.9	0.9	12.2	4.8	54.5	0.47	0.44	0.30	175	0.77	0.157
09-GBC-626	Till	3.18	148.98	11.33	88.7	555	45.7	26.7	994	4.78	16.5	0.8	6.9	6.1	115.8	0.37	0.31	0.20	144	2.97	0.163
09-GBC-627	Till	1.13	71.88	8.40	64.3	120	40.2	16.7	750	3.80	9.6	0.8	2.5	4.9	49.3	0.29	0.66	0.13	109	0.82	0.130
09-GBC-628	Till	0.64	43.67	4.70	39.8	32	26.6	13.7	543	2.90	8.5	0.6	4.6	2.4	56.1	0.14	0.46	0.07	85	0.82	0.138
09-GBC-629	Till	0.78	83.98	5.27	55.1	25	40.6	17.9	600	3.63	16.0	0.4	10.8	1.9	50.6	0.19	0.46	0.09	103	0.65	0.104
09-GBC-630	Till	0.83	98.19	5.89	63.6	28	45.0	20.7	695	4.09	17.9	0.4	20.5	2.0	53.7	0.20	0.47	0.11	112	0.67	0.111
09-GBC-631	Till	0.57	38.12	5.66	60.7	25	35.7	9.4	424	2.68	5.0	0.6	1.2	2.3	46.3	0.13	0.34	0.09	64	0.55	0.066
09-GBC-632	Till	0.92	125.36	6.75	74.2	146	40.5	17.3	772	4.01	10.7	0.6	3.9	2.9	54.1	0.18	0.64	0.10	117	0.80	0.121
09-GBC-633	Till	0.82	111.05	5.28	57.3	69	41.4	25.4	991	3.93	28.9	0.4	10.9	1.6	46.2	0.25	0.65	0.09	96	0.66	0.156
09-GBC-634	Till	0.68	102.80	5.99	66.8	71	44.8	17.9	720	3.91	10.6	0.5	3.4	2.3	65.1	0.19	0.65	0.10	108	0.88	0.125
09-GBC-635	Till	0.63	79.57	6.03	59.9	74	36.7	13.4	562	3.58	8.2	0.6	3.1	2.9	62.7	0.15	0.62	0.09	109	0.82	0.118
09-GBC-636	Till	0.91	113.57	8.64	82.6	307	57.7	28.5	1268	4.38	13.4	0.5	3.9	2.8	66.7	0.40	0.51	0.13	123	0.93	0.122
09-GBC-637	Till	0.80	77.07	6.51	52.2	68	36.9	20.6	605	3.48	9.0	0.5	7.3	1.8	47.5	0.24	0.51	0.08	98	0.63	0.112
09-GBC-638	Till	0.65	72.35	5.84	57.6	71	34.5	14.1	663	3.45	8.8	0.5	4.9	2.4	58.7	0.17	0.46	0.09	102	0.78	0.116
09-GBC-639	Till	0.81	88.77	6.84	71.3	99	42.8	17.7	713	3.82	10.0	0.5	2.9	2.7	59.1	0.27	0.53	0.09	105	0.81	0.119
09-GBC-640	Till	0.64	70.56	5.64	54.9	42	38.5	14.7	607	3.41	7.5	0.5	4.9	2.2	56.6	0.20	0.59	0.07	100	0.81	0.108
09-GBC-641 DUP of 09-GBC-643	Pulp DUP	0.77	77.55	5.78	57.7	69	34.0	11.8	554	3.41	9.3	0.5	4.7	2.3	66.4	0.13	0.71	0.09	103	0.76	0.107
09-GBC-642	Rock Pulp	1.46	100.49	5.74	75.1	115	42.6	24.7	1064	4.90	13.0	1.0	4.6	1.1	60.7	0.27	0.25	0.33	151	1.52	0.072
09-GBC-643	Till	0.81	78.28	5.66	58.3	67	34.5	11.9	561	3.45	9.3	0.5	6.7	2.4	66.5	0.13	0.68	0.09	105	0.78	0.108
09-GBC-644	Till	0.64	44.07	5.09	44.1	33	28.7	9.4	459	2.68	6.6	0.5	4.1	2.4	50.7	0.18	0.51	0.07	83	0.68	0.100
09-GBC-645	Till	0.90	56.84	6.81	65.7	57	39.0	14.3	648	3.20	8.0	0.6	2.5	2.7	47.1	0.19	0.63	0.09	89	0.70	0.092
09-GBC-646	Till	1.00	68.53	6.58	74.2	275	39.7	15.3	916	3.39	10.0	1.4	3.3	2.1	47.9	0.36	0.49	0.10	93	0.75	0.081
09-GBC-647	Till	1.17	88.26	8.88	87.3	50	53.6	17.2	761	4.10	11.7	0.6	3.3	3.1	63.9	0.30	0.59	0.12	112	0.78	0.107
09-GBC-648	Till	0.98	88.25	8.31	85.4	104	53.7	19.8	903	4.08	13.4	0.6	3.8	3.0	63.0	0.36	0.61	0.12	117	0.85	0.112
09-GBC-649	Till	0.78	77.00	5.96	69.6	46	42.9	13.9	596	3.54	9.5	0.6	3.8	2.6	63.8	0.25	0.63	0.10	104	0.81	0.114

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Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
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CERTIFICATE OF ANALYSIS VAN19002942A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
09-GBC-620	Till	22.8	67.3	1.16	193.1	0.133	<20	2.45	0.017	0.27	<0.1	9.6	0.21	<0.02	74	0.2	0.05	8.2	2.44	<0.1	0.10
09-GBC-621 DUP of 09-GBC-631	Pulp DUP	13.2	47.0	0.75	160.0	0.107	<20	1.64	0.015	0.06	<0.1	6.6	0.07	<0.02	73	<0.1	0.03	5.0	0.64	<0.1	0.05
09-GBC-622	Rock Pulp	31.9	50.7	0.93	54.6	0.074	<20	2.19	0.009	0.12	<0.1	4.8	0.12	<0.02	76	0.2	0.05	5.9	1.05	<0.1	<0.02
09-GBC-623	Till	47.9	40.3	0.73	139.2	0.012	<20	2.00	0.005	0.18	<0.1	3.9	0.20	<0.02	47	<0.1	0.03	8.2	7.30	<0.1	<0.02
09-GBC-624	Till	17.3	61.2	1.14	189.1	0.139	<20	2.24	0.020	0.22	0.1	9.2	0.18	<0.02	78	0.5	0.05	7.1	1.72	<0.1	0.18
09-GBC-625	Till	19.0	128.1	2.51	165.4	0.097	<20	3.47	0.009	0.37	0.2	17.2	0.18	<0.02	29	0.7	0.13	10.4	4.82	<0.1	0.08
09-GBC-626	Till	20.0	111.3	1.92	100.8	0.099	<20	2.55	0.009	0.23	0.2	11.7	0.10	<0.02	10	0.5	0.06	7.8	3.52	<0.1	0.15
09-GBC-627	Till	18.1	60.4	0.85	121.9	0.123	<20	1.61	0.016	0.11	<0.1	7.4	0.12	<0.02	69	0.1	0.05	5.3	1.08	<0.1	0.13
09-GBC-628	Till	11.8	52.9	0.79	96.7	0.129	<20	1.43	0.015	0.10	0.1	6.0	0.07	<0.02	17	0.2	0.04	4.4	0.72	<0.1	0.10
09-GBC-629	Till	10.5	83.7	1.30	116.1	0.151	<20	2.07	0.012	0.12	<0.1	8.0	0.10	<0.02	29	0.3	0.06	6.1	1.30	<0.1	0.04
09-GBC-630	Till	11.3	90.1	1.45	134.5	0.153	<20	2.43	0.012	0.16	0.1	9.2	0.12	<0.02	59	0.4	0.07	6.8	1.47	<0.1	0.04
09-GBC-631	Till	13.1	46.3	0.73	156.0	0.113	<20	1.62	0.014	0.06	<0.1	6.6	0.08	<0.02	65	<0.1	0.02	4.9	0.68	<0.1	0.05
09-GBC-632	Till	13.2	64.3	1.27	172.1	0.162	<20	2.26	0.020	0.17	0.1	10.3	0.15	<0.02	76	<0.1	0.06	7.5	1.45	<0.1	0.12
09-GBC-633	Till	9.1	73.8	1.31	83.3	0.121	<20	2.06	0.009	0.13	0.1	6.2	0.09	<0.02	16	0.3	0.07	5.7	1.52	<0.1	<0.02
09-GBC-634	Till	10.9	71.8	1.20	159.8	0.165	<20	2.11	0.021	0.17	0.1	9.2	0.12	<0.02	82	0.2	0.04	6.4	1.27	<0.1	0.18
09-GBC-635	Till	13.4	62.6	0.88	157.6	0.156	<20	1.93	0.018	0.11	0.1	9.3	0.09	<0.02	65	<0.1	0.05	6.0	0.92	<0.1	0.18
09-GBC-636	Till	11.6	77.6	1.40	164.2	0.161	<20	2.53	0.023	0.25	0.1	10.1	0.15	<0.02	113	0.2	0.06	7.6	1.46	<0.1	0.12
09-GBC-637	Till	9.2	67.9	1.01	99.6	0.160	<20	2.50	0.009	0.09	0.1	6.1	0.09	<0.02	51	0.2	0.04	6.1	0.93	<0.1	0.05
09-GBC-638	Till	13.6	68.9	1.00	135.3	0.162	<20	2.10	0.014	0.11	0.1	8.9	0.10	<0.02	79	0.1	0.03	6.2	0.99	<0.1	0.09
09-GBC-639	Till	12.0	71.7	1.10	149.6	0.153	<20	2.12	0.020	0.17	<0.1	9.3	0.12	<0.02	78	<0.1	0.03	6.4	1.20	<0.1	0.14
09-GBC-640	Till	11.3	72.3	1.00	136.2	0.157	<20	1.89	0.019	0.11	0.1	9.0	0.09	<0.02	54	0.2	0.02	5.8	0.93	<0.1	0.17
09-GBC-641 DUP of 09-GBC-643	Pulp DUP	12.4	55.4	0.79	150.1	0.155	<20	1.78	0.017	0.08	0.1	9.5	0.09	<0.02	91	0.3	0.05	5.7	0.86	<0.1	0.18
09-GBC-642	Rock Pulp	7.2	53.7	1.21	66.1	0.296	<20	3.05	0.038	0.06	<0.1	8.5	0.05	0.17	97	1.0	0.06	8.4	0.57	<0.1	0.14
09-GBC-643	Till	12.5	56.2	0.80	151.2	0.161	<20	1.81	0.017	0.08	0.1	9.7	0.10	<0.02	112	0.2	0.04	5.8	0.85	<0.1	0.22
09-GBC-644	Till	13.0	45.8	0.57	138.1	0.141	<20	1.42	0.016	0.08	0.1	6.8	0.07	<0.02	66	0.2	<0.02	4.4	0.53	<0.1	0.21
09-GBC-645	Till	14.0	54.3	0.78	143.4	0.141	<20	1.75	0.016	0.12	0.1	7.9	0.12	<0.02	81	0.2	0.03	5.6	0.86	<0.1	0.07
09-GBC-646	Till	16.6	67.7	0.79	166.5	0.117	<20	1.93	0.013	0.10	<0.1	9.5	0.10	<0.02	76	0.4	0.03	5.6	0.81	<0.1	0.04
09-GBC-647	Till	16.3	70.2	1.07	235.8	0.147	<20	2.28	0.018	0.15	<0.1	10.9	0.15	<0.02	150	0.3	0.06	7.1	1.29	<0.1	0.14
09-GBC-648	Till	13.8	68.4	1.11	197.1	0.150	<20	2.22	0.021	0.19	<0.1	10.4	0.16	<0.02	248	<0.1	0.05	7.1	1.51	<0.1	0.12
09-GBC-649	Till	13.4	62.5	0.92	167.0	0.151	<20	1.88	0.018	0.11	<0.1	9.6	0.11	<0.02	134	0.2	0.05	6.1	1.10	<0.1	0.15

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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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002942A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%	%	%	%	%	%
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01
09-GBC-620	Till	0.02	21.9	0.6	<0.05	5.8	12.48	42.6	0.04	<1	0.8	26.0	<10	<2	59.58	15.56	7.36	2.73	2.63	2.17	2.66
09-GBC-621 DUP of 09-GBC-631	Pulp DUP	0.09	5.0	0.3	<0.05	2.5	9.63	23.0	0.02	<1	0.4	11.9	<10	2	69.13	12.81	4.66	1.84	1.77	2.78	1.59
09-GBC-622	Rock Pulp	0.30	12.6	0.2	<0.05	1.2	6.42	67.7	<0.02	<1	0.5	33.1	<10	<2	62.77	16.22	6.72	2.13	1.26	1.69	2.83
09-GBC-623	Till	0.08	26.0	0.3	<0.05	0.9	11.64	91.7	0.03	<1	1.7	38.5	<10	<2	56.43	21.98	5.67	1.77	0.51	0.71	4.92
09-GBC-624	Till	0.06	15.9	1.0	<0.05	8.6	11.90	32.9	0.03	<1	0.6	20.9	<10	<2	60.89	13.95	6.79	2.74	3.53	2.22	2.25
09-GBC-625	Till	<0.02	23.0	0.6	<0.05	3.9	23.14	34.7	0.04	<1	0.9	43.6	<10	6	48.68	15.45	13.04	5.55	3.00	1.60	2.40
09-GBC-626	Till	<0.02	15.1	0.4	<0.05	6.6	14.01	41.3	0.03	<1	0.7	29.7	<10	4	52.02	13.55	9.19	4.78	7.07	1.77	2.08
09-GBC-627	Till	0.03	8.1	0.3	<0.05	6.7	11.26	32.1	0.02	<1	0.4	13.1	<10	<2	63.36	12.99	7.17	2.66	3.83	2.55	2.03
09-GBC-628	Till	0.19	6.4	0.3	<0.05	4.5	8.44	21.5	<0.02	<1	0.3	9.9	<10	2	64.51	13.36	5.90	2.61	4.04	3.06	2.07
09-GBC-629	Till	0.09	8.4	0.3	<0.05	2.0	8.42	18.8	<0.02	<1	0.4	16.2	<10	3	59.07	14.55	7.41	3.96	4.20	2.89	1.84
09-GBC-630	Till	0.09	10.3	0.5	<0.05	2.3	9.29	19.8	0.02	<1	0.4	18.2	<10	4	58.56	14.63	7.58	3.95	3.95	2.80	1.84
09-GBC-631	Till	0.13	5.1	0.5	<0.05	2.7	9.55	22.8	0.02	<1	0.4	11.3	<10	<2	69.12	12.87	4.67	1.84	1.79	2.82	1.62
09-GBC-632	Till	0.10	11.6	0.5	<0.05	6.2	11.16	22.8	0.03	<1	0.5	16.6	<10	<2	60.08	14.62	7.23	3.07	3.07	2.77	2.06
09-GBC-633	Till	0.32	11.3	0.2	<0.05	1.0	6.94	19.6	<0.02	<1	0.3	16.6	<10	3	58.81	14.46	7.72	3.59	3.63	2.94	2.01
09-GBC-634	Till	0.05	11.8	0.4	<0.05	7.4	10.35	17.8	0.03	<1	0.4	12.5	<10	5	59.90	14.05	7.68	3.38	3.81	2.83	2.03
09-GBC-635	Till	0.08	7.2	0.5	<0.05	8.5	11.18	21.8	0.02	<1	0.5	10.4	<10	3	62.74	13.67	6.94	2.61	3.52	2.72	2.02
09-GBC-636	Till	0.03	15.8	0.9	<0.05	5.9	10.49	23.3	0.03	<1	0.5	15.8	<10	10	57.02	14.89	8.53	3.82	3.80	2.58	2.27
09-GBC-637	Till	0.52	7.9	1.3	<0.05	2.3	7.06	18.0	0.02	<1	0.4	11.7	<10	2	59.58	14.35	6.97	3.11	3.97	2.66	1.94
09-GBC-638	Till	0.10	9.3	0.5	<0.05	4.6	12.01	25.5	<0.02	<1	0.4	12.4	<10	2	62.19	13.92	6.51	2.83	3.73	2.85	2.03
09-GBC-639	Till	<0.02	12.3	0.8	<0.05	6.7	10.40	20.2	0.02	<1	0.5	13.1	<10	<2	61.05	14.15	7.15	3.06	3.59	2.74	2.07
09-GBC-640	Till	0.05	7.1	0.5	<0.05	7.7	10.44	19.5	<0.02	<1	0.4	10.7	<10	3	62.72	13.77	6.55	2.92	3.85	2.94	1.96
09-GBC-641 DUP of 09-GBC-643	Pulp DUP	0.06	5.0	0.3	<0.05	8.7	12.09	20.4	0.02	<1	0.5	9.2	<10	<2	64.94	13.25	6.19	2.19	3.02	2.87	1.98
09-GBC-642	Rock Pulp	0.95	3.2	0.5	<0.05	6.4	11.20	15.5	0.04	2	0.4	7.6	<10	2	45.73	13.67	10.67	4.30	6.52	2.07	0.74
09-GBC-643	Till	0.07	5.0	0.3	<0.05	9.8	12.13	20.6	0.02	<1	0.5	9.5	<10	3	64.77	13.21	6.18	2.18	3.01	2.87	2.00
09-GBC-644	Till	0.10	5.0	0.4	<0.05	8.7	10.28	21.3	<0.02	<1	0.4	7.7	<10	3	67.61	12.91	5.18	1.83	3.08	3.04	2.02
09-GBC-645	Till	0.19	8.4	0.8	<0.05	4.1	10.68	24.7	0.02	<1	0.5	11.7	<10	<2	65.35	13.42	5.74	2.07	2.68	2.79	1.96
09-GBC-646	Till	0.49	10.9	0.3	<0.05	1.8	14.99	28.4	0.02	<1	0.5	16.5	<10	2	62.76	13.49	6.09	2.18	2.97	2.62	1.95
09-GBC-647	Till	0.03	10.5	0.3	<0.05	7.6	15.65	25.5	0.03	<1	0.6	14.7	<10	<2	61.70	14.07	7.08	2.61	2.74	2.48	2.05
09-GBC-648	Till	<0.02	12.8	0.7	<0.05	7.3	11.97	24.0	0.03	<1	0.6	15.5	<10	2	61.61	13.88	7.16	2.73	2.93	2.53	2.17
09-GBC-649	Till	0.04	7.8	0.3	<0.05	7.8	11.95	22.6	0.02	<1	0.5	11.7	<10	2	64.84	13.20	6.10	2.30	2.85	2.71	2.01

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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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002942A.2

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
	Analyte	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
	Unit	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	MDL	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3	5	1	-5.1	0.01	0.02	0.02
09-GBC-620	Till	0.83	0.27	0.16	0.018	73	998	118	57	22	315	195	78	26	17	19	5.7	99.92	0.19	<0.02
09-GBC-621 DUP of 09-GBC-631	Pulp DUP	0.78	0.18	0.07	0.014	45	886	70	45	<20	298	105	43	20	10	14	4.2	99.95	0.26	<0.02
09-GBC-622	Rock Pulp	0.90	0.16	0.07	0.018	80	607	88	48	<20	219	355	129	33	18	16	5.0	99.94	0.42	<0.02
09-GBC-623	Till	0.85	0.06	0.14	0.011	50	763	139	39	<20	101	399	153	34	26	14	6.7	99.94	0.22	<0.02
09-GBC-624	Till	0.75	0.29	0.15	0.018	88	1084	106	58	22	316	159	50	23	10	18	6.1	99.91	0.46	<0.02
09-GBC-625	Till	0.88	0.38	0.26	0.025	212	846	123	70	41	270	117	51	32	9	31	8.4	99.84	0.28	<0.02
09-GBC-626	Till	0.98	0.39	0.16	0.025	156	682	103	60	29	413	216	67	25	10	28	7.7	99.87	0.71	<0.02
09-GBC-627	Till	0.78	0.30	0.14	0.025	77	893	78	48	<20	402	272	69	28	10	19	3.9	99.91	0.14	<0.02
09-GBC-628	Till	0.81	0.32	0.10	0.018	49	978	54	35	<20	488	141	40	19	6	19	2.9	99.91	0.17	<0.02
09-GBC-629	Till	0.88	0.26	0.12	0.023	89	887	70	53	22	440	117	<30	19	8	24	4.5	99.90	0.22	<0.02
09-GBC-630	Till	0.86	0.25	0.12	0.023	98	893	71	52	<20	426	106	<30	19	10	23	5.1	99.89	0.26	0.02
09-GBC-631	Till	0.79	0.18	0.07	0.014	51	897	67	44	<20	302	106	33	20	8	14	4.0	99.95	0.27	<0.02
09-GBC-632	Till	0.84	0.30	0.12	0.017	133	1055	85	47	<20	435	133	38	22	9	20	5.5	99.91	0.26	<0.02
09-GBC-633	Till	0.81	0.39	0.16	0.023	115	856	70	48	28	436	128	<30	18	8	21	5.2	99.90	0.56	<0.02
09-GBC-634	Till	0.79	0.32	0.13	0.021	112	1017	82	57	22	452	113	<30	21	9	22	4.8	99.90	0.09	<0.02
09-GBC-635	Till	0.77	0.30	0.11	0.020	84	1009	73	44	<20	448	161	36	22	8	20	4.3	99.92	0.13	<0.02
09-GBC-636	Till	0.81	0.31	0.20	0.021	122	1004	99	73	34	424	115	34	21	9	23	5.4	99.89	0.09	<0.02
09-GBC-637	Till	0.81	0.28	0.12	0.023	75	904	62	45	23	468	129	35	18	<5	21	5.9	99.92	0.91	<0.02
09-GBC-638	Till	0.84	0.29	0.12	0.020	70	1034	67	40	<20	481	139	36	23	8	21	4.4	99.93	0.26	0.03
09-GBC-639	Till	0.81	0.31	0.12	0.020	93	1000	84	47	21	445	126	<30	21	12	21	4.6	99.92	0.10	0.02
09-GBC-640	Till	0.80	0.27	0.12	0.021	73	985	67	37	22	487	138	32	21	7	21	3.8	99.94	0.11	<0.02
09-GBC-641 DUP of 09-GBC-643	Pulp DUP	0.76	0.27	0.10	0.020	82	1046	69	39	<20	493	139	36	22	9	19	4.1	99.93	0.10	<0.02
09-GBC-642	Rock Pulp	1.34	0.20	0.22	0.028	108	271	104	65	33	270	269	<30	26	10	29	14.3	99.88	4.62	0.13
09-GBC-643	Till	0.76	0.28	0.10	0.020	91	1036	67	37	<20	491	140	<30	22	9	19	4.3	99.94	0.10	<0.02
09-GBC-644	Till	0.75	0.27	0.09	0.020	50	1063	55	36	<20	476	155	35	21	8	16	2.9	99.95	0.10	<0.02
09-GBC-645	Till	0.81	0.24	0.11	0.019	61	979	76	45	<20	394	151	38	22	6	16	4.6	99.95	0.33	<0.02
09-GBC-646	Till	0.81	0.24	0.15	0.026	73	974	86	57	<20	401	169	42	26	10	20	6.4	99.93	1.11	<0.02
09-GBC-647	Till	0.79	0.28	0.12	0.020	89	1100	96	59	22	393	128	32	25	8	20	5.8	99.93	0.20	<0.02
09-GBC-648	Till	0.78	0.29	0.14	0.021	89	1070	95	58	23	411	139	35	22	8	20	5.5	99.93	0.16	<0.02
09-GBC-649	Till	0.77	0.29	0.10	0.020	82	1035	75	46	<20	437	135	31	22	11	18	4.5	99.93	0.17	<0.02

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Bureau Veritas Commodities Canada Ltd.

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002942A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
09-GBC-650	Till	1.35	89.64	10.39	89.5	131	52.9	20.6	848	4.41	12.0	0.9	2.3	4.2	58.0	0.21	0.54	0.18	119	0.76	0.108
09-GBC-651	Till	1.09	75.74	8.88	87.7	104	55.8	20.7	954	3.96	11.0	0.6	3.0	3.5	57.0	0.42	0.71	0.14	105	0.90	0.109
09-GBC-652	Till	1.07	73.55	7.77	84.6	107	53.9	19.2	1021	3.87	10.9	0.6	3.0	3.4	57.5	0.37	0.65	0.16	104	0.88	0.109
09-GBC-653	Till	1.14	82.34	9.63	79.8	115	52.3	24.2	1055	4.02	10.7	0.7	2.8	3.6	54.5	0.28	0.51	0.12	102	0.74	0.101
09-GBC-654	Till	0.99	66.00	7.40	74.3	91	41.6	13.9	727	3.61	9.3	0.5	2.2	2.5	63.4	0.29	0.56	0.10	105	0.89	0.100
09-GBC-655	Till	0.56	32.74	5.73	57.2	64	36.4	10.1	414	2.62	5.7	0.8	3.0	3.0	52.6	0.20	0.40	0.08	68	0.73	0.097
09-GBC-656	Till	0.77	54.47	7.32	78.9	44	52.0	15.7	726	3.68	8.3	0.7	2.2	3.3	69.8	0.27	0.57	0.11	92	0.82	0.099
09-GBC-657	Till	0.83	48.12	6.13	78.5	62	51.7	13.7	584	3.09	10.5	0.7	2.2	2.5	57.6	0.33	0.61	0.09	82	0.74	0.090
09-GBC-658	Till	0.92	48.24	7.36	89.3	56	58.0	17.6	775	4.28	4.9	0.6	1.9	3.6	136.1	0.27	0.40	0.08	110	1.12	0.214
09-GBC-659	Till	0.72	46.28	6.31	71.4	24	51.3	13.4	562	3.63	6.5	0.6	2.8	2.8	120.0	0.17	0.57	0.09	86	0.88	0.094
09-GBC-660	Till	0.39	25.48	5.23	55.5	53	37.4	9.1	345	2.16	2.9	0.8	1.3	2.0	38.8	0.15	0.23	0.07	56	0.48	0.067
09-GBC-661 DUP of 09-GBC-663	Pulp DUP	0.82	32.59	5.81	64.2	48	58.2	10.7	751	2.65	6.4	0.5	2.2	2.2	45.5	0.40	0.57	0.06	69	0.59	0.088
09-GBC-662	Rock Pulp	13.14	165.15	6.94	49.8	81	13.0	11.4	426	4.31	5.2	0.5	30.8	1.2	50.0	0.18	0.15	0.47	98	0.77	0.051
09-GBC-663	Till	0.84	32.29	5.15	63.6	37	58.1	10.7	744	2.64	6.4	0.5	1.5	2.1	45.3	0.44	0.57	0.06	69	0.59	0.087
09-GBC-664	Till	0.82	52.49	6.92	74.9	50	51.9	14.8	656	3.56	8.1	0.6	1.8	3.5	94.6	0.20	0.61	0.10	83	0.88	0.092
09-GBC-665	Till	0.86	41.86	7.02	72.0	81	47.7	15.2	718	3.14	8.5	0.6	2.6	3.1	55.4	0.39	0.68	0.10	75	0.71	0.091
09-GBC-666	Till	0.46	34.40	5.37	58.9	26	41.3	12.3	423	3.33	4.1	0.8	1.5	3.3	81.8	0.09	0.32	0.07	77	0.77	0.086
09-GBC-667	Till	1.20	65.60	7.22	85.4	58	59.7	15.4	646	3.45	10.0	0.6	2.1	2.5	42.1	0.23	0.81	0.11	93	0.62	0.090
09-GBC-668	Till	1.26	73.15	11.00	116.9	94	69.6	17.2	724	4.17	14.0	0.7	3.0	4.0	66.1	0.34	1.10	0.14	96	0.78	0.094
09-GBC-669	Till	0.88	42.58	5.64	66.5	115	108.5	10.9	363	3.20	6.4	1.1	3.7	2.5	48.5	0.13	0.35	0.09	72	0.75	0.082
09-GBC-670	Till	0.50	18.85	4.03	45.5	21	65.4	8.7	326	2.21	3.4	0.6	1.8	2.1	39.6	0.17	0.21	0.06	53	0.49	0.063
09-GBC-671	Till	1.27	72.42	10.17	103.7	78	76.9	21.5	930	3.87	12.1	0.6	2.8	3.1	76.1	0.54	0.62	0.14	93	1.76	0.097
09-GBC-672	Till	1.04	60.69	6.73	76.8	159	56.9	17.3	788	3.24	11.8	0.6	2.2	2.3	71.8	0.63	0.68	0.10	84	2.53	0.093
09-GBC-673	Till	1.08	59.40	7.24	76.9	142	57.1	17.1	809	3.19	11.2	0.5	4.7	2.3	69.6	0.63	0.60	0.10	83	1.99	0.094
09-GBC-674	Till	0.72	42.14	5.56	59.2	120	42.9	9.5	381	2.69	8.0	0.7	3.8	2.4	41.2	0.12	0.47	0.09	70	0.61	0.082
09-GBC-675	Till	0.43	25.76	4.59	50.2	34	31.4	7.3	305	2.20	3.8	0.5	1.5	2.2	35.8	0.13	0.28	0.07	57	0.50	0.072
09-GBC-676	Till	0.92	75.53	7.15	74.0	131	40.8	16.9	790	3.89	9.0	0.5	2.8	2.1	62.0	0.24	0.45	0.09	115	1.03	0.110
09-GBC-677	Till	0.82	83.44	6.63	53.1	87	34.0	17.3	673	3.59	11.6	0.5	3.7	2.4	46.9	0.10	0.49	0.11	104	0.63	0.120
09-GBC-678	Till	0.90	65.31	8.53	66.6	155	36.1	15.0	685	3.18	8.5	0.8	2.6	3.5	79.8	0.34	0.47	0.14	84	2.55	0.128
09-GBC-679	Till	0.88	38.35	8.26	74.1	71	41.8	14.6	671	2.98	8.5	0.5	1.9	6.9	78.6	0.42	0.63	0.14	47	3.10	0.082

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Project: BG_RE_01
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CERTIFICATE OF ANALYSIS VAN19002942A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
09-GBC-650	Till	17.7	80.3	1.25	213.1	0.156	<20	2.65	0.019	0.20	<0.1	11.8	0.18	<0.02	114	<0.1	0.04	8.1	1.95	<0.1	0.24
09-GBC-651	Till	14.6	63.1	1.10	205.9	0.149	<20	2.14	0.025	0.15	<0.1	9.4	0.17	<0.02	113	<0.1	0.03	6.7	1.38	<0.1	0.24
09-GBC-652	Till	14.6	61.4	1.05	193.7	0.140	<20	2.06	0.025	0.15	<0.1	9.3	0.16	<0.02	138	0.3	0.05	6.6	1.33	<0.1	0.18
09-GBC-653	Till	15.0	69.2	1.01	195.5	0.164	<20	2.46	0.014	0.12	0.1	9.9	0.14	<0.02	87	0.1	0.03	7.0	1.22	<0.1	0.14
09-GBC-654	Till	12.3	56.2	0.90	207.3	0.156	<20	2.06	0.030	0.15	<0.1	9.4	0.13	<0.02	117	0.1	0.05	6.5	0.95	<0.1	0.19
09-GBC-655	Till	16.9	46.4	0.70	171.2	0.121	<20	1.56	0.029	0.07	<0.1	6.1	0.11	<0.02	81	<0.1	0.03	4.6	0.77	<0.1	0.10
09-GBC-656	Till	18.4	61.0	0.91	226.7	0.132	<20	2.02	0.036	0.11	<0.1	9.8	0.16	<0.02	365	0.2	0.03	5.9	0.95	<0.1	0.16
09-GBC-657	Till	15.7	58.0	0.82	224.0	0.125	<20	1.87	0.026	0.09	<0.1	8.2	0.17	<0.02	134	0.2	0.04	5.5	0.89	<0.1	0.08
09-GBC-658	Till	37.4	55.3	1.17	250.6	0.185	<20	2.01	0.064	0.09	<0.1	10.3	0.15	<0.02	156	0.2	0.02	5.8	0.78	<0.1	0.03
09-GBC-659	Till	16.7	63.6	0.93	249.5	0.146	<20	2.39	0.053	0.10	<0.1	11.1	0.15	<0.02	290	0.3	0.03	5.8	0.89	<0.1	0.20
09-GBC-660	Till	14.5	45.1	0.62	162.4	0.105	<20	1.65	0.013	0.06	<0.1	5.1	0.12	<0.02	1552	<0.1	<0.02	4.5	0.73	<0.1	0.04
09-GBC-661 DUP of 09-GBC-663	Pulp DUP	13.2	54.7	0.58	142.3	0.115	<20	1.12	0.018	0.06	<0.1	6.5	0.12	<0.02	244	0.2	<0.02	3.5	0.52	<0.1	0.19
09-GBC-662	Rock Pulp	4.8	21.3	0.72	53.2	0.160	<20	2.09	0.022	0.04	<0.1	5.7	0.03	0.58	24	2.9	0.49	5.9	0.33	<0.1	0.14
09-GBC-663	Till	12.8	54.9	0.58	141.0	0.114	<20	1.11	0.018	0.06	<0.1	6.5	0.13	<0.02	155	0.3	0.02	3.5	0.52	<0.1	0.18
09-GBC-664	Till	16.9	57.1	0.98	234.3	0.129	<20	2.09	0.050	0.10	<0.1	9.0	0.15	<0.02	152	0.3	0.04	5.7	1.08	<0.1	0.17
09-GBC-665	Till	16.1	53.7	0.77	174.7	0.118	<20	1.62	0.028	0.10	<0.1	7.8	0.15	<0.02	306	0.2	0.04	4.7	0.96	<0.1	0.15
09-GBC-666	Till	17.4	59.5	0.91	190.5	0.138	<20	2.39	0.048	0.07	<0.1	9.4	0.12	<0.02	87	0.2	<0.02	5.7	0.94	<0.1	0.15
09-GBC-667	Till	13.9	67.8	0.89	189.1	0.130	<20	1.97	0.014	0.10	<0.1	8.2	0.20	<0.02	123	0.2	0.04	5.8	0.96	<0.1	0.06
09-GBC-668	Till	17.8	64.1	1.10	232.5	0.100	<20	2.26	0.027	0.12	<0.1	10.6	0.20	<0.02	242	0.4	0.05	6.5	1.51	<0.1	0.18
09-GBC-669	Till	14.3	74.2	1.07	147.2	0.126	<20	1.76	0.021	0.08	<0.1	8.1	0.17	<0.02	125	0.2	0.03	5.4	0.86	<0.1	0.10
09-GBC-670	Till	12.6	55.2	0.80	122.0	0.118	<20	1.22	0.015	0.07	<0.1	4.7	0.09	<0.02	80	<0.1	<0.02	3.9	0.63	<0.1	0.07
09-GBC-671	Till	14.2	64.3	1.17	266.0	0.119	<20	2.10	0.030	0.15	<0.1	9.4	0.23	<0.02	243	0.2	0.05	6.3	1.41	<0.1	0.16
09-GBC-672	Till	12.1	56.5	0.97	176.1	0.126	<20	1.59	0.028	0.11	<0.1	7.7	0.18	<0.02	158	0.5	0.05	5.0	0.88	<0.1	0.15
09-GBC-673	Till	12.0	53.9	0.98	173.3	0.121	<20	1.59	0.028	0.12	<0.1	7.5	0.17	<0.02	122	0.3	0.05	5.0	0.88	<0.1	0.09
09-GBC-674	Till	14.1	52.9	0.66	169.8	0.111	<20	1.54	0.017	0.08	<0.1	7.4	0.13	<0.02	155	0.3	0.02	4.7	0.69	<0.1	0.12
09-GBC-675	Till	12.4	43.9	0.64	128.4	0.111	<20	1.33	0.015	0.06	<0.1	4.9	0.09	<0.02	77	0.2	<0.02	4.1	0.61	<0.1	0.06
09-GBC-676	Till	10.9	58.9	1.09	177.4	0.174	<20	2.35	0.032	0.19	0.2	9.2	0.12	<0.02	112	0.1	0.04	7.3	0.94	<0.1	0.14
09-GBC-677	Till	13.2	69.5	1.07	105.6	0.131	<20	1.81	0.013	0.14	0.1	8.6	0.09	<0.02	44	0.3	0.05	5.7	1.38	<0.1	0.04
09-GBC-678	Till	14.7	59.0	1.09	125.1	0.113	<20	1.75	0.019	0.14	0.1	7.4	0.12	<0.02	87	0.3	0.05	5.6	1.43	<0.1	0.10
09-GBC-679	Till	22.5	35.2	0.78	145.0	0.080	<20	1.43	0.014	0.12	<0.1	5.7	0.10	<0.02	51	0.4	0.03	4.2	0.64	<0.1	0.21

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Project: BG_RE_01
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CERTIFICATE OF ANALYSIS VAN19002942A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%	%	%	%	%	%
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01
09-GBC-650	Till	0.05	15.6	0.5	<0.05	10.7	13.87	28.6	0.03	<1	0.7	21.4	<10	2	59.66	14.80	7.61	2.83	2.65	2.33	2.17
09-GBC-651	Till	0.03	11.1	1.1	<0.05	10.7	11.79	27.1	0.03	<1	0.5	15.7	<10	2	61.82	13.94	6.99	2.77	3.06	2.47	2.05
09-GBC-652	Till	<0.02	10.8	0.4	<0.05	9.0	11.66	27.3	0.03	<1	0.5	14.8	<10	3	62.25	13.87	6.88	2.64	3.04	2.58	2.10
09-GBC-653	Till	0.06	10.6	0.9	<0.05	8.2	12.06	29.4	0.03	<1	0.6	16.2	<10	3	60.56	14.53	7.43	2.65	2.98	2.42	1.93
09-GBC-654	Till	<0.02	8.7	1.2	<0.05	8.6	11.11	21.1	0.03	<1	0.5	12.7	<10	3	64.09	13.51	6.26	2.24	2.91	2.82	2.05
09-GBC-655	Till	0.10	6.2	0.4	<0.05	6.4	11.09	30.1	<0.02	<1	0.4	10.0	<10	<2	67.42	12.83	4.87	1.90	2.78	2.83	1.84
09-GBC-656	Till	0.07	6.5	0.4	<0.05	10.3	14.37	32.3	0.03	<1	0.6	11.4	<10	3	64.49	13.33	6.05	2.13	2.60	2.56	1.81
09-GBC-657	Till	0.17	6.8	0.3	<0.05	5.0	12.46	27.6	0.02	<1	0.5	10.9	<10	<2	65.85	13.04	5.35	2.10	2.61	2.69	1.72
09-GBC-658	Till	0.11	5.6	0.6	<0.05	4.5	21.00	66.3	0.04	<1	0.8	10.2	<10	2	58.60	14.27	7.69	2.73	4.05	2.98	1.92
09-GBC-659	Till	0.04	6.2	0.8	<0.05	13.7	15.56	27.9	0.03	<1	0.5	9.4	<10	<2	62.16	14.01	6.51	2.39	3.12	2.49	1.51
09-GBC-660	Till	0.49	7.6	0.4	<0.05	2.7	8.54	25.5	<0.02	<1	0.4	10.4	<10	<2	68.11	12.98	4.23	1.78	2.28	2.82	1.64
09-GBC-661 DUP of 09-GBC-663	Pulp DUP	0.06	3.4	1.1	<0.05	9.4	13.02	22.5	<0.02	<1	0.3	6.0	<10	<2	69.58	11.67	5.11	1.82	2.80	2.89	1.53
09-GBC-662	Rock Pulp	0.26	1.7	0.5	<0.05	5.7	6.12	9.0	0.06	14	0.2	4.2	<10	<2	60.14	14.63	8.32	2.18	4.08	2.28	1.14
09-GBC-663	Till	0.06	3.4	0.2	<0.05	8.9	12.89	21.9	<0.02	<1	0.3	5.9	<10	2	69.45	11.81	5.11	1.82	2.83	2.91	1.53
09-GBC-664	Till	0.02	7.3	0.4	<0.05	10.5	13.75	28.1	0.03	<1	0.6	11.1	<10	<2	63.03	13.64	6.39	2.43	2.97	2.53	1.69
09-GBC-665	Till	0.13	6.0	0.2	<0.05	8.4	11.46	29.7	0.02	<1	0.5	10.1	<10	3	66.48	13.02	5.67	2.09	2.61	2.60	1.72
09-GBC-666	Till	0.07	7.3	0.6	<0.05	9.5	12.82	32.1	0.02	<1	0.5	9.6	<10	<2	63.02	14.44	5.86	2.21	2.91	2.62	1.57
09-GBC-667	Till	0.10	6.7	0.2	<0.05	4.1	11.76	24.7	0.02	<1	0.5	12.6	<10	3	64.59	13.60	6.04	2.32	2.62	2.72	1.68
09-GBC-668	Till	0.10	8.4	2.6	<0.05	9.5	14.18	29.7	0.03	<1	0.7	14.9	<10	3	61.00	14.30	7.11	2.53	2.24	2.11	2.01
09-GBC-669	Till	0.27	6.0	0.3	<0.05	5.4	12.39	23.8	0.02	<1	0.4	11.6	<10	<2	65.90	12.91	5.46	2.50	2.19	2.69	1.55
09-GBC-670	Till	0.23	5.9	0.2	<0.05	3.4	7.57	22.8	0.03	<1	0.3	8.3	<10	<2	70.72	12.05	4.19	2.05	2.00	2.92	1.54
09-GBC-671	Till	0.06	9.0	0.6	<0.05	7.4	12.33	26.3	0.04	<1	0.5	14.5	<10	<2	60.99	13.58	6.77	2.75	3.75	2.35	1.72
09-GBC-672	Till	0.05	6.2	0.3	<0.05	7.2	10.77	22.3	0.03	<1	0.4	9.9	<10	2	62.81	12.12	5.85	2.45	5.14	2.60	1.65
09-GBC-673	Till	0.03	6.5	0.9	<0.05	4.9	10.49	22.1	0.02	<1	0.4	9.9	<10	<2	63.52	12.42	5.87	2.52	4.55	2.65	1.69
09-GBC-674	Till	0.18	6.2	0.4	<0.05	5.7	11.30	23.0	0.02	<1	0.4	9.5	<10	<2	68.12	12.81	4.90	1.85	2.38	2.74	1.70
09-GBC-675	Till	0.17	5.1	0.3	<0.05	2.8	6.99	22.8	<0.02	<1	0.3	9.2	<10	<2	70.97	12.20	4.00	1.75	2.02	2.84	1.61
09-GBC-676	Till	0.10	11.4	0.6	<0.05	6.8	11.08	18.8	0.02	<1	0.5	13.8	<10	2	60.19	14.62	7.23	2.81	3.59	2.72	2.29
09-GBC-677	Till	0.09	11.0	0.2	<0.05	2.3	9.62	23.7	<0.02	<1	0.5	14.3	<10	3	61.83	13.97	7.13	2.92	3.24	2.76	2.27
09-GBC-678	Till	0.03	10.6	1.1	<0.05	5.1	10.19	27.6	0.02	<1	0.5	16.2	<10	3	59.66	13.50	6.08	2.87	5.64	2.50	2.17
09-GBC-679	Till	<0.02	7.1	0.2	<0.05	7.9	9.62	41.7	0.02	<1	0.4	15.1	<10	<2	64.82	11.39	5.30	1.89	5.38	1.56	1.81

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002942A.2

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
	Analyte	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
	Unit	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	MDL	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3	5	1	-5.1	0.01	0.02	0.02
09-GBC-650	Till	0.86	0.28	0.13	0.021	92	1018	98	55	24	355	164	36	25	9	21	6.4	99.92	0.18	<0.02
09-GBC-651	Till	0.81	0.28	0.15	0.020	78	1065	97	61	23	376	147	40	22	7	19	5.3	99.92	0.15	<0.02
09-GBC-652	Till	0.81	0.28	0.16	0.021	77	1053	93	64	24	387	150	45	23	6	19	5.1	99.93	0.15	<0.02
09-GBC-653	Till	0.87	0.27	0.17	0.020	86	932	92	59	29	367	170	38	24	10	20	5.9	99.93	0.19	<0.02
09-GBC-654	Till	0.70	0.25	0.12	0.016	72	1108	82	41	<20	418	121	<30	19	7	17	4.8	99.93	0.13	<0.02
09-GBC-655	Till	0.86	0.26	0.08	0.022	36	1007	66	43	<20	392	172	46	22	9	14	4.1	99.95	0.25	<0.02
09-GBC-656	Till	0.81	0.25	0.11	0.021	55	1008	84	56	<20	365	150	35	23	9	17	5.6	99.94	0.32	<0.02
09-GBC-657	Till	0.79	0.23	0.10	0.023	53	1014	85	57	<20	357	148	<30	22	7	16	5.2	99.94	0.44	<0.02
09-GBC-658	Till	1.04	0.54	0.12	0.019	51	1302	100	63	22	646	208	68	28	18	19	5.7	99.94	0.18	<0.02
09-GBC-659	Till	0.88	0.25	0.09	0.024	49	952	81	60	<20	401	148	31	25	8	21	6.3	99.95	0.24	<0.02
09-GBC-660	Till	0.86	0.19	0.07	0.022	31	894	67	47	<20	327	186	<30	20	10	14	4.8	99.95	0.65	<0.02
09-GBC-661 DUP of 09-GBC-663	Pulp DUP	0.78	0.24	0.12	0.036	37	881	73	69	<20	359	204	31	24	6	15	3.2	99.96	0.14	<0.02
09-GBC-662	Rock Pulp	0.96	0.16	0.11	0.009	180	449	64	<20	<20	322	127	33	20	6	21	5.8	99.93	0.58	0.50
09-GBC-663	Till	0.79	0.24	0.12	0.034	36	882	74	65	<20	363	194	31	24	6	15	3.1	99.96	0.13	<0.02
09-GBC-664	Till	0.85	0.24	0.11	0.021	56	985	84	57	20	365	147	<30	23	9	18	5.8	99.94	0.18	<0.02
09-GBC-665	Till	0.85	0.24	0.12	0.023	46	956	82	58	21	336	168	42	24	9	16	4.3	99.95	0.28	<0.02
09-GBC-666	Till	0.93	0.23	0.07	0.021	38	926	67	52	<20	368	151	45	21	11	18	5.9	99.94	0.31	<0.02
09-GBC-667	Till	0.76	0.23	0.11	0.023	68	940	93	68	22	350	140	35	22	9	17	5.1	99.94	0.34	<0.02
09-GBC-668	Till	0.79	0.24	0.11	0.020	76	1065	123	74	<20	296	135	33	23	11	19	7.3	99.94	0.62	<0.02
09-GBC-669	Till	0.84	0.22	0.06	0.027	45	888	73	117	<20	283	132	<30	23	10	16	5.4	99.93	0.53	<0.02
09-GBC-670	Till	0.85	0.18	0.06	0.027	23	857	54	77	<20	287	170	39	19	14	13	3.2	99.94	0.23	<0.02
09-GBC-671	Till	0.77	0.25	0.14	0.021	75	982	113	84	22	314	126	30	22	7	18	6.6	99.93	0.51	<0.02
09-GBC-672	Till	0.70	0.24	0.12	0.022	63	951	85	65	23	354	125	<30	20	6	16	6.0	99.94	0.72	<0.02
09-GBC-673	Till	0.72	0.25	0.13	0.021	65	948	86	67	20	357	128	<30	20	<5	16	5.4	99.94	0.55	<0.02
09-GBC-674	Till	0.77	0.21	0.07	0.022	47	965	74	47	<20	340	159	33	21	7	15	4.2	99.95	0.44	<0.02
09-GBC-675	Till	0.81	0.18	0.06	0.018	36	896	56	42	<20	305	149	<30	18	7	13	3.3	99.95	0.26	<0.02
09-GBC-676	Till	0.73	0.27	0.13	0.016	83	1131	85	45	<20	464	103	<30	19	5	19	5.1	99.92	0.23	<0.02
09-GBC-677	Till	0.84	0.29	0.12	0.020	94	963	68	38	<20	426	135	<30	20	7	21	4.3	99.92	0.17	<0.02
09-GBC-678	Till	0.80	0.30	0.11	0.018	71	929	78	41	<20	409	156	46	23	11	18	6.1	99.92	0.70	<0.02
09-GBC-679	Till	0.74	0.20	0.10	0.014	43	707	85	47	<20	211	261	76	27	12	14	6.6	99.94	0.99	<0.02

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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002942A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
09-GBC-680	Till	0.64	27.93	10.18	53.1	37	24.5	8.4	312	2.68	3.7	1.7	8.6	8.4	15.5	0.13	0.16	0.33	60	0.19	0.042
09-GBC-681 DUP of 09-GBC-687	Pulp DUP	0.40	18.14	4.79	26.8	15	19.0	6.7	322	1.72	3.2	1.0	1.4	5.0	22.8	0.13	0.25	0.10	51	0.38	0.073
09-GBC-682	Rock Pulp	1.53	104.36	5.87	76.2	90	43.1	24.2	1030	4.71	15.1	0.9	10.3	1.0	57.6	0.32	0.33	0.26	131	1.31	0.072
09-GBC-683	Till	0.69	35.84	20.92	100.6	19	27.6	10.0	474	3.08	2.4	1.7	2.6	9.0	18.2	0.21	0.21	0.92	56	0.22	0.050
09-GBC-684	Till	1.79	72.00	9.11	87.4	306	40.8	17.9	692	3.16	25.6	0.5	2.2	4.2	108.8	0.67	1.66	0.12	52	4.11	0.106
09-GBC-685	Till	1.11	64.73	12.68	95.9	254	44.2	15.3	859	3.47	12.4	1.1	3.7	6.9	36.8	0.45	1.09	0.24	81	0.55	0.121
09-GBC-686	Till	0.62	41.61	8.07	57.4	47	36.1	10.7	539	2.66	6.6	0.8	2.6	4.8	36.1	0.16	0.45	0.14	68	0.53	0.099
09-GBC-687	Till	0.37	17.45	4.58	25.9	14	18.1	6.3	308	1.65	3.1	1.0	2.0	4.7	21.0	0.12	0.24	0.10	49	0.36	0.072
09-GBC-688	Till	0.98	36.38	10.31	66.3	42	32.0	10.5	505	2.67	5.5	2.3	1.2	7.5	28.0	0.16	0.36	0.32	58	0.38	0.085
09-GBC-689	Till	0.67	34.84	6.53	51.7	48	27.8	8.4	463	2.32	5.2	1.0	6.5	5.6	33.2	0.23	0.45	0.13	61	0.47	0.094
09-GBC-690	Till	0.55	24.43	5.88	38.9	15	23.8	7.6	384	2.05	4.3	1.2	22.7	6.0	30.1	0.13	0.33	0.12	54	0.48	0.096
09-GBC-691	Till	0.49	25.15	5.27	35.1	12	21.9	6.6	333	1.91	3.8	1.2	3.0	5.8	30.3	0.12	0.32	0.12	51	0.49	0.098
09-GBC-692	Till	0.79	41.74	10.78	70.7	48	37.9	12.7	585	3.12	5.8	1.4	2.5	8.8	35.7	0.12	0.30	0.31	64	0.52	0.092
09-GBC-693	Till	1.01	38.16	13.62	74.6	19	30.5	10.3	478	3.28	4.7	3.6	1.8	10.9	36.3	0.07	0.19	0.62	59	0.34	0.084
09-GBC-694	Till	0.75	23.12	7.99	49.7	129	29.3	9.3	274	2.49	3.3	1.2	2.1	4.2	19.5	0.14	0.16	0.23	52	0.24	0.062
09-GBC-695	Till	0.89	44.57	11.57	86.7	105	43.4	14.2	613	3.41	5.6	1.4	1.7	8.2	45.9	0.30	0.29	0.29	72	0.61	0.106
09-GBC-696	Till	0.67	33.94	9.87	72.8	31	32.4	11.1	400	2.92	2.9	1.4	1.5	7.5	36.7	0.19	0.16	0.24	61	0.45	0.092
09-GBC-697	Till	1.01	59.22	23.64	107.0	118	45.9	17.2	775	4.03	8.6	1.4	1.6	7.8	50.7	0.26	0.43	0.37	88	0.63	0.098
09-GBC-698	Till	1.06	60.98	12.33	95.1	115	45.7	18.8	732	4.22	7.2	1.1	1.8	7.2	41.5	0.26	0.44	0.23	93	0.67	0.105
09-GBC-1500	Till	0.97	56.16	7.73	104.9	114	200.3	18.4	607	3.58	9.8	0.8	2.8	2.6	38.9	0.23	0.57	0.12	72	0.60	0.069
09-GBC-1501 DUP of 09-GBC-1519	Pulp DUP	2.00	60.85	8.60	146.7	42	271.9	33.2	1161	3.44	14.2	0.5	2.2	2.2	67.2	1.09	0.96	0.11	62	2.01	0.082
09-GBC-1502	Rock Pulp	0.79	68.91	10.17	77.3	92	39.5	15.3	351	3.87	7.2	0.8	4.9	8.4	24.3	0.09	0.24	0.22	54	0.24	0.064
09-GBC-1503	Till	0.81	43.33	8.58	79.0	87	131.8	16.4	641	3.02	7.7	0.5	28.2	2.5	34.2	0.26	0.45	0.11	63	0.51	0.075
09-GBC-1504	Till	0.75	39.67	6.61	72.3	65	123.0	13.8	528	2.86	7.5	0.5	1.2	2.3	32.7	0.21	0.43	0.10	61	0.50	0.075
09-GBC-1505	Till	0.81	43.11	6.95	76.8	68	167.1	17.7	789	3.13	8.0	0.5	2.4	2.4	37.6	0.30	0.46	0.10	66	0.63	0.076
09-GBC-1506	Till	0.93	49.72	7.97	89.6	57	161.6	19.6	788	3.40	9.0	0.5	2.1	2.6	39.0	0.26	0.45	0.11	71	0.57	0.077
09-GBC-1507	Till	1.37	57.29	7.69	112.7	84	176.1	20.2	689	3.54	11.3	0.7	1.4	2.9	77.8	0.79	0.61	0.14	70	2.66	0.082
09-GBC-1508	Till	0.81	41.58	6.44	77.5	49	121.1	14.8	646	3.01	7.0	0.6	2.0	2.5	36.3	0.21	0.41	0.09	63	0.53	0.087
09-GBC-1509	Till	1.10	51.89	7.65	90.3	70	134.9	14.5	540	3.41	10.0	0.7	1.3	2.8	41.8	0.33	0.53	0.11	70	0.57	0.084
09-GBC-151	Till	0.60	33.35	5.14	67.9	48	96.5	10.5	353	2.60	6.7	0.5	1.2	2.2	33.6	0.10	0.29	0.07	59	0.45	0.066

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Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
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CERTIFICATE OF ANALYSIS VAN19002942A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
09-GBC-680	Till	23.9	40.6	0.57	90.5	0.124	<20	1.98	0.011	0.13	0.3	4.8	0.18	<0.02	55	0.2	<0.02	6.3	1.71	<0.1	0.04
09-GBC-681 DUP of 09-GBC-687	Pulp DUP	19.0	32.5	0.36	126.0	0.104	<20	1.18	0.013	0.06	0.1	3.6	0.07	<0.02	36	0.2	<0.02	3.4	0.49	<0.1	0.03
09-GBC-682	Rock Pulp	6.5	50.1	1.14	64.0	0.263	<20	2.80	0.033	0.05	<0.1	7.4	0.05	0.16	85	1.3	0.10	7.6	0.59	<0.1	0.07
09-GBC-683	Till	23.6	46.8	0.83	95.3	0.165	<20	2.19	0.011	0.35	0.2	5.5	0.37	<0.02	35	<0.1	<0.02	6.8	3.67	<0.1	0.06
09-GBC-684	Till	15.5	48.7	0.94	104.2	0.062	<20	1.45	0.009	0.09	<0.1	5.8	0.12	<0.02	54	0.5	0.05	4.2	0.83	<0.1	0.13
09-GBC-685	Till	19.2	50.2	0.82	378.4	0.107	<20	1.94	0.022	0.19	0.2	7.7	0.25	<0.02	90	0.3	0.04	5.9	2.08	<0.1	0.09
09-GBC-686	Till	17.7	48.7	0.64	190.8	0.117	<20	1.46	0.018	0.11	<0.1	6.4	0.14	<0.02	110	0.2	0.02	4.7	1.02	<0.1	0.09
09-GBC-687	Till	17.8	30.7	0.35	119.5	0.097	<20	1.12	0.012	0.06	0.1	3.4	0.07	<0.02	38	0.3	<0.02	3.3	0.46	<0.1	0.03
09-GBC-688	Till	27.6	43.5	0.63	270.6	0.115	<20	1.61	0.012	0.19	0.2	5.6	0.28	<0.02	30	0.4	0.03	5.4	2.53	<0.1	0.03
09-GBC-689	Till	19.4	39.9	0.49	201.2	0.106	<20	1.36	0.016	0.12	0.1	6.1	0.12	<0.02	50	<0.1	0.02	4.3	0.84	<0.1	0.12
09-GBC-690	Till	20.8	36.0	0.44	133.1	0.107	<20	1.15	0.015	0.08	0.1	4.0	0.09	<0.02	27	0.2	<0.02	3.7	0.69	<0.1	0.05
09-GBC-691	Till	20.4	33.3	0.40	143.2	0.100	<20	0.98	0.014	0.08	0.1	4.3	0.09	<0.02	49	0.2	0.02	3.3	0.63	<0.1	0.10
09-GBC-692	Till	26.8	49.3	0.72	266.6	0.130	<20	1.86	0.021	0.29	0.2	6.6	0.27	<0.02	50	0.2	0.02	6.3	2.28	<0.1	0.12
09-GBC-693	Till	34.9	44.5	0.71	353.5	0.126	<20	2.10	0.013	0.31	0.1	6.2	0.40	<0.02	105	0.3	0.05	7.4	3.98	<0.1	0.04
09-GBC-694	Till	20.3	46.5	0.51	155.8	0.085	<20	1.90	0.014	0.14	0.1	3.7	0.15	<0.02	65	0.3	<0.02	5.7	2.83	<0.1	<0.02
09-GBC-695	Till	27.2	54.2	0.92	253.1	0.143	<20	2.02	0.021	0.40	0.1	6.9	0.30	<0.02	446	0.1	0.03	7.3	2.53	<0.1	0.14
09-GBC-696	Till	24.7	48.2	0.76	162.2	0.147	<20	1.99	0.015	0.30	<0.1	5.9	0.27	<0.02	26	0.3	0.03	6.8	2.11	<0.1	0.09
09-GBC-697	Till	23.8	63.7	1.03	194.2	0.125	<20	2.36	0.018	0.28	0.1	8.7	0.24	<0.02	38	0.2	0.04	8.2	2.97	<0.1	0.17
09-GBC-698	Till	24.8	66.1	1.09	165.1	0.169	<20	2.47	0.017	0.42	0.1	9.8	0.26	<0.02	60	0.3	0.03	8.8	2.73	<0.1	0.17
09-GBC-1500	Till	15.6	134.4	1.24	296.6	0.108	<20	1.72	0.022	0.11	<0.1	8.3	0.24	<0.02	159	0.2	0.03	5.2	0.84	<0.1	0.17
09-GBC-1501 DUP of 09-GBC-1519	Pulp DUP	10.7	121.6	1.73	258.5	0.107	<20	1.00	0.018	0.08	<0.1	6.8	0.54	<0.02	860	0.5	0.04	3.2	0.58	<0.1	0.14
09-GBC-1502	Rock Pulp	28.7	49.5	0.90	52.6	0.071	<20	2.17	0.008	0.11	<0.1	4.6	0.12	<0.02	76	0.3	0.07	5.7	1.02	<0.1	<0.02
09-GBC-1503	Till	12.9	102.5	0.99	221.3	0.100	<20	1.45	0.024	0.10	<0.1	6.4	0.15	<0.02	91	0.2	0.04	4.4	0.90	<0.1	0.15
09-GBC-1504	Till	12.3	94.8	0.93	207.0	0.100	<20	1.33	0.023	0.09	<0.1	6.0	0.14	<0.02	80	0.1	0.03	4.1	0.80	<0.1	0.15
09-GBC-1505	Till	12.1	108.4	1.41	317.4	0.111	<20	1.57	0.031	0.12	<0.1	6.8	0.18	<0.02	142	0.2	0.03	4.9	0.87	<0.1	0.22
09-GBC-1506	Till	13.6	112.3	1.32	314.6	0.113	<20	1.73	0.025	0.11	<0.1	8.0	0.20	<0.02	133	0.3	0.03	5.2	0.92	<0.1	0.15
09-GBC-1507	Till	12.3	110.2	1.57	302.4	0.101	<20	1.62	0.023	0.12	<0.1	8.8	0.30	<0.02	164	0.1	0.04	4.9	0.96	<0.1	0.17
09-GBC-1508	Till	14.0	97.5	0.87	266.1	0.102	<20	1.43	0.021	0.08	<0.1	7.6	0.15	<0.02	127	0.1	<0.02	4.3	0.70	<0.1	0.11
09-GBC-1509	Till	15.2	104.0	0.96	269.7	0.103	<20	1.60	0.020	0.11	<0.1	8.2	0.19	<0.02	149	<0.1	0.03	4.7	0.91	<0.1	0.11
09-GBC-151	Till	10.8	96.0	0.89	180.4	0.109	<20	1.43	0.014	0.07	<0.1	6.2	0.14	<0.02	269	0.1	0.03	4.0	0.57	<0.1	0.09

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002942A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%	%	%	%	%	%
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01
09-GBC-680	Till	1.04	16.6	1.0	<0.05	1.8	7.12	43.7	0.03	<1	0.5	16.7	<10	<2	67.25	14.27	4.76	1.44	1.43	2.32	2.65
09-GBC-681 DUP of 09-GBC-687	Pulp DUP	0.54	5.8	0.3	<0.05	1.6	7.44	36.8	<0.02	<1	0.4	6.7	<10	<2	73.74	11.09	3.45	1.27	2.23	2.41	2.07
09-GBC-682	Rock Pulp	0.66	3.0	0.6	<0.05	4.9	10.13	15.3	0.04	1	0.5	7.6	<10	2	45.29	13.59	10.71	4.25	6.46	2.01	0.72
09-GBC-683	Till	0.57	36.8	2.1	<0.05	2.6	7.33	45.9	0.08	<1	0.5	27.5	<10	<2	64.81	15.43	5.42	1.94	1.43	2.24	2.98
09-GBC-684	Till	0.09	5.8	0.5	<0.05	4.7	10.03	30.5	<0.02	<1	0.3	15.5	<10	<2	61.75	10.87	5.49	2.29	6.86	1.85	1.54
09-GBC-685	Till	0.20	21.4	0.6	<0.05	4.5	14.08	36.1	0.02	<1	0.9	20.7	<10	<2	67.23	12.49	5.82	2.01	1.90	1.86	2.13
09-GBC-686	Till	0.09	8.7	2.4	<0.05	4.9	10.89	31.5	<0.02	<1	0.6	10.4	<10	4	68.70	12.33	4.96	1.87	2.51	2.38	1.95
09-GBC-687	Till	0.50	5.6	0.3	<0.05	1.6	7.09	34.5	<0.02	<1	0.4	6.5	<10	<2	73.51	11.18	3.42	1.27	2.24	2.42	2.08
09-GBC-688	Till	0.34	21.2	1.6	<0.05	1.9	11.17	50.7	0.02	<1	0.9	18.8	<10	<2	66.49	14.33	4.91	1.79	2.00	2.02	2.59
09-GBC-689	Till	0.15	9.5	0.4	<0.05	5.4	10.72	33.9	<0.02	<1	0.5	9.5	<10	<2	71.03	11.82	4.38	1.51	2.21	2.28	2.11
09-GBC-690	Till	0.33	6.8	0.3	<0.05	3.0	8.63	39.4	<0.02	<1	0.3	9.0	<10	<2	72.10	11.64	3.96	1.45	2.40	2.47	2.08
09-GBC-691	Till	0.15	6.3	0.4	<0.05	4.9	9.48	36.5	<0.02	<1	0.3	7.5	<10	<2	72.59	11.36	3.89	1.41	2.48	2.50	2.07
09-GBC-692	Till	0.08	28.0	1.2	<0.05	5.2	11.49	48.0	0.03	<1	0.8	19.7	<10	<2	66.00	14.07	5.39	1.84	2.02	2.04	2.61
09-GBC-693	Till	0.31	32.6	2.1	<0.05	2.9	10.74	62.0	0.03	<1	1.2	24.9	<10	<2	63.44	15.81	5.61	1.81	1.77	1.93	2.78
09-GBC-694	Till	1.31	18.1	0.6	<0.05	0.8	5.74	37.9	0.02	<1	0.6	17.7	<10	<2	64.99	13.72	4.71	1.73	1.95	1.88	2.20
09-GBC-695	Till	0.07	35.2	0.9	<0.05	6.3	11.37	47.9	0.03	<1	0.8	25.8	<10	<2	63.01	14.85	6.10	2.31	2.58	2.23	2.74
09-GBC-696	Till	0.16	30.1	1.3	<0.05	5.5	8.57	44.7	0.02	<1	0.7	22.8	<10	<2	63.94	15.01	5.61	2.04	2.33	2.26	2.44
09-GBC-697	Till	0.06	25.6	1.8	<0.05	7.6	12.37	40.9	0.04	<1	0.9	26.9	<10	<2	60.10	15.90	6.91	2.37	2.13	2.08	2.88
09-GBC-698	Till	0.09	35.8	0.7	<0.05	7.4	11.98	44.2	0.03	<1	0.7	25.2	<10	<2	59.54	16.01	7.34	2.48	2.21	2.05	2.74
09-GBC-1500	Till	0.05	7.0	0.9	<0.05	7.9	16.17	22.5	0.03	<1	0.5	11.0	<10	2	65.54	11.79	6.25	2.95	1.95	2.16	1.45
09-GBC-1501 DUP of 09-GBC-1519	Pulp DUP	<0.02	4.3	0.3	<0.05	6.3	9.20	21.0	0.02	<1	0.3	6.3	<10	4	64.19	9.99	6.35	3.85	4.33	2.26	1.27
09-GBC-1502	Rock Pulp	0.31	12.1	0.2	<0.05	0.9	5.99	63.8	<0.02	<1	0.5	31.5	<10	<2	62.35	16.12	6.70	2.15	1.26	1.68	2.82
09-GBC-1503	Till	0.03	6.3	2.1	<0.05	7.3	10.44	23.8	0.02	<1	0.4	9.4	<10	<2	68.06	11.91	5.38	2.51	1.95	2.34	1.48
09-GBC-1504	Till	0.03	5.8	0.4	<0.05	6.9	9.93	22.0	0.02	<1	0.4	8.6	<10	<2	69.36	11.57	5.11	2.36	1.99	2.41	1.43
09-GBC-1505	Till	<0.02	7.2	1.3	<0.05	9.3	10.08	22.6	0.03	<1	0.4	9.9	<10	2	67.86	11.44	5.51	3.16	2.13	2.25	1.43
09-GBC-1506	Till	0.04	7.1	1.0	<0.05	7.5	12.02	24.7	0.03	<1	0.5	11.5	<10	<2	66.37	12.20	5.97	3.01	2.08	2.27	1.45
09-GBC-1507	Till	0.07	8.3	0.4	<0.05	7.2	11.31	26.1	0.04	<1	0.5	12.1	14	<2	61.71	11.60	6.07	3.41	4.85	2.10	1.54
09-GBC-1508	Till	0.12	5.8	0.4	<0.05	5.3	11.25	26.2	<0.02	<1	0.3	8.8	<10	2	68.89	11.71	5.32	2.27	2.15	2.42	1.40
09-GBC-1509	Till	0.07	7.2	0.9	<0.05	6.1	12.99	25.1	0.03	<1	0.3	11.2	<10	<2	67.14	12.20	5.86	2.43	2.11	2.37	1.56
09-GBC-151	Till	0.18	5.9	0.5	<0.05	4.1	6.14	21.4	<0.02	<1	0.3	9.0	<10	<2	69.81	11.52	4.67	2.29	1.85	2.57	1.44

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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002942A.2

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
	Analyte	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
	Unit	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	MDL	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3	5	1	-5.1	0.01	0.02	0.02
09-GBC-680	Till	0.82	0.12	0.06	0.015	37	868	62	28	<20	268	381	98	25	14	12	4.6	99.95	0.55	<0.02
09-GBC-681 DUP of 09-GBC-687	Pulp DUP	0.61	0.17	0.07	0.015	322	1042	37	23	<20	330	227	66	21	8	10	2.6	99.95	0.36	<0.02
09-GBC-682	Rock Pulp	1.32	0.19	0.21	0.027	113	266	99	64	34	264	250	<30	25	8	28	14.9	99.87	4.54	0.07
09-GBC-683	Till	1.00	0.14	0.09	0.015	41	849	118	33	<20	253	367	111	31	19	14	4.2	99.93	0.29	<0.02
09-GBC-684	Till	0.71	0.25	0.10	0.016	69	724	102	47	<20	263	197	52	25	9	14	8.0	99.93	1.34	<0.02
09-GBC-685	Till	0.68	0.26	0.12	0.014	68	1433	100	45	<20	240	168	54	25	9	15	5.2	99.95	0.45	<0.02
09-GBC-686	Till	0.73	0.24	0.09	0.019	49	1032	65	41	<20	326	205	63	26	13	15	3.9	99.94	0.19	<0.02
09-GBC-687	Till	0.62	0.18	0.07	0.015	27	1047	36	20	<20	333	240	60	22	11	10	2.8	99.96	0.37	<0.02
09-GBC-688	Till	0.79	0.22	0.09	0.016	42	1468	74	38	<20	296	288	91	30	17	14	4.4	99.95	0.34	<0.02
09-GBC-689	Till	0.64	0.23	0.08	0.016	38	1114	59	33	<20	319	225	52	25	8	13	3.5	99.96	0.20	<0.02
09-GBC-690	Till	0.67	0.23	0.07	0.015	31	1052	47	29	<20	344	245	69	23	12	11	2.7	99.96	0.19	<0.02
09-GBC-691	Till	0.66	0.25	0.07	0.015	38	1053	45	28	<20	352	255	79	26	8	12	2.5	99.96	0.13	<0.02
09-GBC-692	Till	0.75	0.23	0.10	0.016	46	1266	77	37	<20	294	312	99	31	12	14	4.6	99.95	0.18	<0.02
09-GBC-693	Till	0.79	0.21	0.08	0.014	45	1735	82	27	<20	322	343	132	30	18	14	5.4	99.94	0.24	<0.02
09-GBC-694	Till	0.75	0.17	0.06	0.018	31	1099	60	37	<20	267	295	95	27	15	13	7.5	99.94	1.69	<0.02
09-GBC-695	Till	0.80	0.26	0.10	0.018	47	1196	93	50	<20	358	291	104	28	15	15	4.7	99.93	0.17	<0.02
09-GBC-696	Till	0.87	0.23	0.08	0.015	41	1038	87	41	<20	340	292	101	27	15	14	4.9	99.94	0.29	<0.02
09-GBC-697	Till	0.86	0.24	0.12	0.017	65	1028	115	50	<20	302	234	85	26	13	17	6.1	99.93	0.16	<0.02
09-GBC-698	Till	0.89	0.27	0.12	0.018	68	965	104	48	21	284	291	107	30	15	18	6.0	99.92	0.20	<0.02
09-GBC-1500	Till	0.74	0.18	0.09	0.049	62	1023	116	216	21	222	132	43	27	5	16	6.6	99.93	0.50	<0.02
09-GBC-1501 DUP of 09-GBC-1519	Pulp DUP	0.77	0.20	0.17	0.063	111	968	165	288	36	262	157	34	20	7	14	6.2	99.92	0.66	<0.02
09-GBC-1502	Rock Pulp	0.90	0.16	0.07	0.017	74	608	89	41	<20	219	356	112	31	15	16	5.5	99.94	0.46	<0.02
09-GBC-1503	Till	0.72	0.20	0.10	0.036	48	940	88	146	<20	249	124	34	21	<5	14	5.1	99.94	0.28	<0.02
09-GBC-1504	Till	0.71	0.20	0.08	0.037	49	910	82	139	<20	255	125	37	20	5	13	4.5	99.94	0.24	<0.02
09-GBC-1505	Till	0.67	0.19	0.14	0.043	51	1021	86	187	<20	239	128	36	20	<5	14	4.9	99.93	0.18	<0.02
09-GBC-1506	Till	0.75	0.19	0.12	0.042	55	1077	97	175	23	244	133	35	22	6	15	5.3	99.93	0.34	<0.02
09-GBC-1507	Till	0.75	0.21	0.10	0.040	61	1026	120	187	23	264	151	38	22	7	15	7.3	99.92	0.96	<0.02
09-GBC-1508	Till	0.79	0.20	0.10	0.052	43	940	85	133	<20	261	156	37	22	7	14	4.4	99.94	0.32	<0.02
09-GBC-1509	Till	0.79	0.21	0.09	0.042	59	980	99	144	<20	256	161	31	24	5	15	4.9	99.93	0.33	<0.02
09-GBC-151	Till	0.82	0.16	0.06	0.043	36	901	75	117	<20	252	149	31	17	5	13	4.5	99.95	0.40	<0.02

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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002942A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
09-GBC-1510	Till	1.14	49.81	7.20	94.0	66	148.5	17.1	599	2.99	11.1	0.6	2.3	2.4	69.6	0.69	0.54	0.10	62	1.76	0.093
09-GBC-1511	Till	1.14	57.63	8.05	118.9	63	195.0	22.8	987	3.57	11.2	0.6	2.1	2.8	48.6	0.68	0.58	0.11	72	0.80	0.091
09-GBC-1512	Till	1.29	56.07	7.90	118.3	96	181.5	19.8	688	3.53	11.9	0.6	2.5	2.6	54.9	0.73	0.61	0.13	71	1.28	0.086
09-GBC-1513	Till	1.91	52.44	7.62	108.1	64	220.0	27.1	776	3.28	10.1	0.6	2.6	2.2	82.8	0.99	0.71	0.10	64	2.89	0.078
09-GBC-1514	Till	1.06	47.14	9.59	83.8	139	116.7	21.8	874	3.23	8.8	0.5	1.2	3.4	60.3	0.56	0.45	0.12	65	1.73	0.083
09-GBC-1515	Till	1.08	48.10	9.88	90.2	83	130.1	19.2	754	3.21	8.8	0.6	1.2	4.2	88.4	0.61	0.40	0.14	58	3.36	0.079
09-GBC-1516	Till	1.13	49.34	8.19	83.9	126	135.5	21.1	759	3.19	8.9	0.6	0.9	3.1	64.2	0.56	0.41	0.12	66	1.73	0.083
09-GBC-1517	Till	1.18	57.95	7.77	100.4	99	147.2	19.7	719	3.29	9.9	0.6	1.6	3.0	85.4	0.79	0.47	0.12	67	2.82	0.085
09-GBC-1518	Till	0.88	28.26	7.72	76.9	160	102.3	18.4	987	2.78	6.0	0.7	1.9	1.9	31.0	0.30	0.24	0.09	63	0.45	0.086
09-GBC-1519	Till	2.03	67.26	8.69	150.7	46	273.4	34.5	1188	3.58	14.9	0.5	0.8	2.2	71.6	1.13	0.84	0.10	63	2.08	0.084
09-GBC-1520	Till	0.58	37.53	6.37	68.3	93	88.7	12.4	442	2.76	6.0	0.6	2.7	2.7	30.4	0.10	0.24	0.09	59	0.44	0.061
09-GBC-1522	Rock Pulp	1.45	107.09	5.33	76.9	94	43.5	23.9	1011	4.73	14.2	0.9	4.3	1.1	58.2	0.29	0.19	0.13	139	1.39	0.079
09-GBC-1523	Till	1.09	52.18	8.60	100.2	92	142.3	20.0	800	3.35	10.1	0.6	0.7	3.0	77.7	0.64	0.47	0.12	67	2.26	0.084
09-GBC-1524	Till	0.75	37.16	6.81	72.2	71	94.8	14.2	621	2.87	6.6	0.7	1.1	2.4	31.6	0.18	0.34	0.09	63	0.48	0.076
09-GBC-1525	Till	1.08	43.39	7.83	94.1	99	115.0	17.6	686	3.05	8.6	0.6	1.6	3.0	65.5	0.90	0.45	0.11	62	2.00	0.086
09-GBC-1526	Till	1.12	45.80	7.92	96.7	108	117.6	19.0	748	3.04	9.2	0.6	0.8	3.3	67.5	0.87	0.37	0.11	63	1.97	0.090
09-GBC-1527	Till	0.46	24.57	6.15	62.2	63	59.9	8.3	324	2.36	3.9	0.7	<0.2	2.8	27.5	0.09	0.18	0.09	49	0.41	0.065
09-GBC-1528	Till	0.73	31.05	6.04	65.4	47	98.3	12.0	427	2.53	6.4	0.5	1.4	2.6	36.2	0.26	0.26	0.10	55	0.96	0.062
09-GBC-1529	Till	0.86	46.74	11.76	85.7	140	118.4	18.3	745	3.17	8.1	0.6	7.1	4.8	73.5	0.39	0.26	0.16	55	2.25	0.079
09-GBC-1530	Till	0.93	46.87	9.18	89.7	91	109.3	19.8	790	3.32	8.6	0.6	3.9	4.2	65.3	0.50	0.36	0.13	63	1.94	0.076
DSS09070600 DUP of DSS09070709	Pulp DUP	0.86	38.90	6.37	60.5	95	37.7	9.9	520	2.33	5.2	1.3	0.7	4.4	33.3	0.46	0.32	0.31	56	0.59	0.133
DSS09070601	Till	0.37	35.67	8.53	69.5	40	38.0	10.5	353	3.06	2.7	1.3	1.6	6.3	42.6	0.14	0.13	0.20	58	0.48	0.085
DSS09070602	Till	0.71	39.63	10.93	55.1	12	29.4	10.7	409	2.86	2.4	2.4	0.4	11.0	27.9	0.10	0.16	0.30	52	0.38	0.099
DSS09070703	Till	1.06	59.31	7.55	78.3	90	54.5	14.0	600	3.04	7.2	1.0	1.4	4.1	43.7	0.36	0.43	0.19	74	0.63	0.134
DSS09070704	Till	1.11	61.43	8.72	90.1	165	50.4	15.3	715	3.23	8.5	0.7	1.9	4.8	45.2	0.61	0.49	0.17	75	0.72	0.124
DSS09070705	Till	1.08	45.22	6.82	61.7	24	40.2	11.1	482	2.47	5.8	0.9	3.6	4.4	36.1	0.45	0.37	0.15	63	0.52	0.114
DSS09070706	Till	1.61	47.64	7.71	86.5	75	48.3	13.9	552	2.72	5.2	1.4	1.3	4.4	44.2	0.77	0.34	0.27	69	0.72	0.174
DSS09070707	Till	0.92	48.86	7.06	79.3	149	60.3	12.7	636	2.83	6.7	1.0	0.4	4.2	41.7	0.59	0.33	0.34	65	0.80	0.111
DSS09070708	Till	1.04	52.91	7.43	74.5	77	45.1	13.3	606	2.88	6.9	2.2	6.3	4.5	33.6	0.35	0.28	0.64	67	0.55	0.126
DSS09070709	Till	0.89	41.18	6.64	60.5	95	39.4	10.9	520	2.39	5.2	1.3	2.3	4.2	33.4	0.45	0.34	0.31	58	0.60	0.139

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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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002942A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
09-GBC-1510	Till	11.7	99.8	1.42	218.7	0.103	<20	1.25	0.024	0.10	<0.1	6.8	0.25	<0.02	150	0.3	<0.02	3.8	0.74	<0.1	0.16
09-GBC-1511	Till	13.8	115.1	1.58	318.2	0.105	<20	1.62	0.024	0.11	<0.1	8.9	0.29	<0.02	330	0.2	0.03	4.8	0.84	<0.1	0.10
09-GBC-1512	Till	13.1	109.9	1.52	277.5	0.099	<20	1.58	0.024	0.11	<0.1	8.1	0.37	<0.02	194	0.1	0.03	4.6	0.84	<0.1	0.11
09-GBC-1513	Till	10.5	124.9	1.98	241.2	0.110	<20	1.27	0.020	0.10	<0.1	7.3	0.38	<0.02	163	0.3	0.04	3.7	0.69	<0.1	0.14
09-GBC-1514	Till	14.3	84.6	1.19	237.5	0.098	<20	1.52	0.021	0.13	<0.1	7.6	0.20	<0.02	105	<0.1	0.05	4.6	1.12	<0.1	0.11
09-GBC-1515	Till	14.7	88.7	1.48	245.8	0.086	<20	1.58	0.018	0.14	<0.1	6.9	0.26	<0.02	127	0.2	0.05	4.5	0.98	<0.1	0.13
09-GBC-1516	Till	13.1	82.0	1.36	238.0	0.097	<20	1.50	0.023	0.13	<0.1	7.0	0.23	<0.02	103	<0.1	0.04	4.5	1.08	<0.1	0.07
09-GBC-1517	Till	12.7	105.2	1.48	257.9	0.095	<20	1.56	0.021	0.12	<0.1	7.7	0.28	<0.02	148	<0.1	0.03	4.7	0.93	<0.1	0.10
09-GBC-1518	Till	11.6	92.3	0.91	384.1	0.083	<20	1.58	0.015	0.09	<0.1	5.5	0.12	<0.02	85	<0.1	<0.02	4.4	0.65	<0.1	0.04
09-GBC-1519	Till	10.9	122.0	1.78	277.3	0.097	<20	1.03	0.018	0.08	<0.1	7.8	0.56	<0.02	257	0.1	0.04	3.2	0.57	<0.1	0.07
09-GBC-1520	Till	14.2	80.3	0.83	226.9	0.097	<20	1.56	0.018	0.08	<0.1	6.1	0.14	<0.02	88	0.2	<0.02	4.4	0.81	<0.1	0.08
09-GBC-1522	Rock Pulp	6.6	53.5	1.16	66.8	0.270	<20	2.88	0.040	0.06	<0.1	8.4	0.06	0.17	79	1.3	0.06	8.1	0.55	<0.1	0.12
09-GBC-1523	Till	13.6	94.8	1.51	279.4	0.103	<20	1.65	0.027	0.14	<0.1	7.5	0.24	<0.02	128	<0.1	0.03	4.8	1.13	<0.1	0.14
09-GBC-1524	Till	14.2	83.9	0.87	275.6	0.098	<20	1.63	0.018	0.07	<0.1	7.0	0.13	<0.02	187	0.1	0.02	4.6	0.73	<0.1	0.06
09-GBC-1525	Till	13.2	79.5	1.27	227.3	0.096	<20	1.39	0.020	0.12	<0.1	6.5	0.20	<0.02	124	0.2	0.02	4.0	0.93	<0.1	0.13
09-GBC-1526	Till	12.8	85.0	1.27	245.0	0.096	<20	1.41	0.021	0.12	<0.1	7.2	0.24	<0.02	121	0.2	0.04	4.3	1.05	<0.1	0.09
09-GBC-1527	Till	14.2	64.1	0.68	183.2	0.093	<20	1.54	0.013	0.08	<0.1	5.2	0.11	<0.02	48	<0.1	<0.02	4.4	0.75	<0.1	0.07
09-GBC-1528	Till	12.0	76.5	0.84	238.0	0.088	<20	1.31	0.015	0.07	<0.1	5.2	0.16	<0.02	66	0.2	0.02	4.0	0.76	<0.1	0.06
09-GBC-1529	Till	15.5	71.3	1.25	204.5	0.078	<20	1.56	0.018	0.15	<0.1	6.4	0.17	<0.02	84	<0.1	<0.02	4.7	1.05	<0.1	0.06
09-GBC-1530	Till	14.9	76.9	1.29	257.5	0.087	<20	1.63	0.019	0.14	<0.1	7.1	0.18	<0.02	118	0.3	0.02	4.9	1.03	<0.1	0.08
DSS09070600 DUP of DSS09070709	Pulp DUP	13.7	39.7	0.53	141.2	0.088	<20	1.31	0.017	0.13	0.2	5.2	0.16	<0.02	64	0.2	<0.02	3.9	1.36	<0.1	0.09
DSS09070601	Till	22.1	49.1	0.72	192.8	0.146	<20	2.21	0.015	0.22	<0.1	6.3	0.20	<0.02	17	<0.1	<0.02	6.6	1.76	0.1	0.14
DSS09070602	Till	36.3	42.3	0.62	166.9	0.129	<20	1.58	0.014	0.36	0.1	5.8	0.30	<0.02	19	0.2	<0.02	5.9	2.27	<0.1	0.07
DSS09070703	Till	16.1	58.5	0.72	208.1	0.111	<20	1.70	0.018	0.13	0.1	7.5	0.20	<0.02	110	0.2	0.02	5.0	1.58	<0.1	0.09
DSS09070704	Till	17.4	55.0	0.87	184.9	0.110	<20	1.71	0.019	0.19	<0.1	7.1	0.19	<0.02	92	0.2	0.02	5.2	1.52	<0.1	0.06
DSS09070705	Till	16.6	48.6	0.59	157.5	0.104	<20	1.41	0.015	0.09	0.1	5.5	0.16	<0.02	62	0.2	<0.02	4.4	1.33	<0.1	0.03
DSS09070706	Till	17.0	51.1	0.69	170.9	0.099	<20	1.69	0.015	0.13	0.2	5.6	0.29	<0.02	45	0.4	0.02	4.7	2.17	<0.1	0.05
DSS09070707	Till	14.4	55.6	0.77	193.2	0.098	<20	1.52	0.023	0.18	0.1	6.3	0.19	<0.02	94	0.2	<0.02	4.5	1.72	<0.1	0.05
DSS09070708	Till	15.1	50.2	0.68	195.4	0.098	<20	1.76	0.017	0.16	0.2	6.7	0.25	<0.02	161	0.4	<0.02	5.3	2.53	0.1	0.03
DSS09070709	Till	14.6	41.3	0.54	151.2	0.087	<20	1.32	0.018	0.13	0.2	5.5	0.15	<0.02	125	<0.1	0.02	3.9	1.46	<0.1	0.09

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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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002942A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%	%	%	%	%	%
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01
09-GBC-1510	Till	0.06	6.1	0.5	<0.05	6.2	9.88	22.9	<0.02	1	0.5	9.2	<10	<2	66.21	10.85	5.28	3.14	3.84	2.36	1.44
09-GBC-1511	Till	0.05	6.6	0.5	<0.05	5.5	11.73	28.3	0.02	<1	0.5	12.0	<10	3	65.48	11.86	5.95	3.44	2.34	2.23	1.52
09-GBC-1512	Till	0.09	6.7	0.6	<0.05	4.9	12.31	24.1	0.02	<1	0.4	11.3	<10	<2	64.90	11.57	5.98	3.34	3.01	2.21	1.47
09-GBC-1513	Till	0.04	5.1	0.5	<0.05	5.7	9.34	22.5	<0.02	<1	0.2	9.3	<10	<2	63.35	10.01	5.56	4.10	5.09	2.17	1.29
09-GBC-1514	Till	0.06	8.4	1.0	<0.05	5.7	10.27	29.7	0.02	1	0.3	12.5	<10	<2	64.02	12.42	5.60	2.78	3.74	2.30	1.68
09-GBC-1515	Till	0.05	8.7	0.6	<0.05	5.7	9.71	30.1	<0.02	<1	0.3	14.8	<10	<2	61.59	11.48	5.52	3.14	5.54	1.82	1.73
09-GBC-1516	Till	0.04	8.4	1.6	<0.05	4.3	9.87	27.1	0.02	<1	0.5	11.0	<10	<2	64.02	11.96	5.72	3.14	3.79	2.17	1.56
09-GBC-1517	Till	0.06	8.1	0.3	<0.05	5.6	10.58	26.1	0.03	<1	0.2	13.7	<10	2	60.85	11.87	5.75	3.38	5.24	2.11	1.58
09-GBC-1518	Till	0.45	7.9	0.9	<0.05	2.4	7.41	26.7	<0.02	<1	0.4	10.7	<10	3	68.36	11.65	4.89	2.31	1.87	2.31	1.38
09-GBC-1519	Till	0.02	4.4	0.3	<0.05	3.3	9.26	21.5	0.03	<1	0.4	6.9	<10	4	64.66	9.91	6.22	3.84	4.28	2.23	1.27
09-GBC-1520	Till	0.08	7.4	1.1	<0.05	4.4	9.78	24.4	<0.02	<1	0.4	12.5	<10	<2	68.83	12.15	4.98	2.20	1.85	2.41	1.50
09-GBC-1522	Rock Pulp	0.71	3.1	0.4	<0.05	5.1	10.53	15.2	0.02	<1	0.3	8.4	11	2	45.65	13.59	10.68	4.26	6.46	2.02	0.73
09-GBC-1523	Till	0.04	9.0	1.3	<0.05	5.8	10.50	27.3	0.03	<1	0.4	13.0	<10	<2	62.57	11.88	5.73	3.33	4.30	2.12	1.62
09-GBC-1524	Till	0.31	6.3	0.5	<0.05	2.9	11.68	28.6	0.02	<1	0.4	10.9	<10	<2	67.92	12.04	5.06	2.18	1.97	2.47	1.51
09-GBC-1525	Till	0.05	7.6	1.7	<0.05	5.2	9.66	27.5	0.02	<1	0.2	11.5	<10	<2	64.92	11.65	5.42	2.89	4.15	2.22	1.61
09-GBC-1526	Till	0.05	8.3	0.8	<0.05	4.6	9.95	27.8	0.02	1	0.4	12.0	<10	2	64.84	11.61	5.46	2.89	4.10	2.22	1.62
09-GBC-1527	Till	0.15	8.4	1.2	<0.05	3.9	8.90	26.2	<0.02	<1	0.2	12.6	<10	<2	70.38	12.07	4.29	1.85	1.79	2.38	1.59
09-GBC-1528	Till	0.11	6.4	1.1	<0.05	3.2	8.19	23.4	0.02	<1	0.3	12.7	<10	2	69.59	11.36	4.62	2.12	2.61	2.41	1.50
09-GBC-1529	Till	0.03	9.1	2.5	<0.05	4.1	10.02	32.7	<0.02	1	0.5	17.1	<10	<2	63.29	12.29	5.63	2.74	4.14	1.99	1.89
09-GBC-1530	Till	0.04	9.2	1.3	<0.05	3.9	10.55	31.7	0.02	<1	0.6	14.9	<10	<2	63.26	12.36	5.83	2.86	3.83	2.04	1.82
DSS09070600 DUP of DSS09070709	Pulp DUP	0.08	12.6	0.4	<0.05	4.1	9.56	30.1	<0.02	<1	0.6	16.0	<10	<2	68.42	12.60	4.66	1.90	2.96	2.47	2.16
DSS09070601	Till	0.09	22.5	0.6	<0.05	9.8	8.32	43.8	0.02	<1	0.5	23.8	<10	<2	64.21	15.16	5.59	1.83	2.31	2.31	2.09
DSS09070602	Till	0.28	32.6	0.6	<0.05	3.5	11.70	67.7	<0.02	<1	0.6	17.8	<10	<2	68.71	13.65	4.93	1.52	1.80	2.12	2.80
DSS09070703	Till	0.13	10.7	0.4	<0.05	4.0	13.33	30.5	0.02	<1	0.5	15.4	<10	<2	66.46	12.57	5.72	2.18	2.82	2.31	1.91
DSS09070704	Till	0.07	15.2	0.4	<0.05	3.6	10.96	35.4	0.02	<1	0.5	17.5	<10	2	65.46	13.02	5.90	2.46	2.86	2.23	2.12
DSS09070705	Till	0.20	8.6	1.3	<0.05	2.1	8.73	34.8	<0.02	<1	0.5	14.8	<10	2	68.45	12.38	4.88	2.10	2.84	2.41	1.89
DSS09070706	Till	0.23	12.9	0.7	<0.05	2.8	10.87	34.1	<0.02	<1	0.9	22.7	<10	<2	66.80	12.82	5.06	2.20	3.01	2.16	2.11
DSS09070707	Till	0.04	15.9	0.7	<0.05	3.0	9.88	28.5	0.02	<1	0.6	17.5	<10	2	67.11	12.65	5.24	2.24	3.02	2.39	2.09
DSS09070708	Till	0.18	17.9	1.2	<0.05	2.0	11.87	31.5	<0.02	<1	1.1	23.6	<10	<2	64.86	13.92	5.38	2.16	2.72	2.33	2.30
DSS09070709	Till	0.08	13.1	0.9	<0.05	3.7	9.58	30.2	<0.02	1	0.5	15.7	<10	4	68.67	12.64	4.59	1.88	2.92	2.44	2.12

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002942A.2

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
	Analyte	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
	Unit	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	MDL	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3	5	1	-5.1	0.01	0.02	0.02
09-GBC-1510	Till	0.73	0.21	0.09	0.043	48	916	101	163	26	279	149	38	20	15	13	5.5	99.92	0.72	<0.02
09-GBC-1511	Till	0.78	0.22	0.14	0.039	61	1011	125	203	30	249	143	32	23	13	15	5.7	99.91	0.31	<0.02
09-GBC-1512	Till	0.77	0.21	0.10	0.044	62	979	130	194	27	251	149	43	23	13	15	6.1	99.92	0.57	<0.02
09-GBC-1513	Till	0.71	0.19	0.11	0.050	58	881	120	229	33	260	137	<30	19	11	14	7.1	99.92	0.94	<0.02
09-GBC-1514	Till	0.77	0.21	0.13	0.029	49	906	99	126	29	279	175	41	22	13	14	6.1	99.94	0.63	<0.02
09-GBC-1515	Till	0.70	0.19	0.11	0.031	53	911	104	136	28	250	179	51	23	13	14	7.9	99.92	1.15	<0.02
09-GBC-1516	Till	0.76	0.21	0.11	0.032	54	899	102	150	27	284	166	38	22	8	14	6.3	99.93	0.65	<0.02
09-GBC-1517	Till	0.76	0.20	0.11	0.036	59	975	116	160	24	284	149	40	22	11	15	7.8	99.92	1.06	<0.02
09-GBC-1518	Till	0.78	0.21	0.14	0.036	40	1048	97	118	28	242	153	40	19	10	13	5.8	99.94	1.07	<0.02
09-GBC-1519	Till	0.77	0.20	0.17	0.061	73	956	167	283	42	262	159	43	21	10	14	6.1	99.91	0.65	<0.02
09-GBC-1520	Till	0.81	0.16	0.08	0.032	77	907	84	101	<20	246	149	40	21	10	13	4.8	99.95	0.35	<0.02
09-GBC-1522	Rock Pulp	1.33	0.20	0.21	0.027	118	262	102	60	34	268	287	34	26	9	29	14.6	99.88	4.62	0.10
09-GBC-1523	Till	0.74	0.20	0.12	0.032	57	960	106	156	24	271	157	40	21	10	15	7.1	99.93	0.77	<0.02
09-GBC-1524	Till	0.78	0.19	0.09	0.035	43	963	83	110	22	257	156	34	23	13	14	5.5	99.95	0.70	<0.02
09-GBC-1525	Till	0.76	0.21	0.11	0.032	59	900	104	128	24	279	179	54	22	10	14	5.8	99.93	0.71	<0.02
09-GBC-1526	Till	0.75	0.22	0.11	0.032	60	899	105	131	26	276	170	46	22	11	14	5.9	99.93	0.72	<0.02
09-GBC-1527	Till	0.82	0.18	0.06	0.029	35	851	73	72	<20	243	185	47	22	12	13	4.3	99.95	0.38	<0.02
09-GBC-1528	Till	0.78	0.15	0.07	0.033	47	886	79	113	20	251	190	41	21	13	12	4.5	99.95	0.48	<0.02
09-GBC-1529	Till	0.73	0.20	0.11	0.027	49	839	93	138	26	255	196	58	23	10	14	6.7	99.93	0.84	<0.02
09-GBC-1530	Till	0.77	0.21	0.12	0.029	58	914	99	119	25	255	202	51	23	15	15	6.6	99.92	0.74	<0.02
DSS09070600 DUP of DSS09070709	Pulp DUP	0.74	0.34	0.10	0.017	45	1047	77	41	<20	292	244	69	30	16	14	3.4	99.95	0.36	<0.02
DSS09070601	Till	0.91	0.19	0.07	0.015	41	852	84	43	<20	327	278	80	24	20	15	5.1	99.95	0.17	<0.02
DSS09070602	Till	0.67	0.27	0.08	0.014	74	1177	69	35	<20	335	409	159	36	24	12	3.1	99.96	0.16	<0.02
DSS09070703	Till	0.77	0.32	0.11	0.023	64	1106	95	63	<20	306	218	54	29	11	17	4.5	99.94	0.40	<0.02
DSS09070704	Till	0.79	0.30	0.12	0.019	61	1083	96	51	21	294	182	58	26	12	17	4.4	99.93	0.31	<0.02
DSS09070705	Till	0.80	0.26	0.09	0.019	48	1084	71	46	<20	300	204	64	26	10	15	3.6	99.95	0.41	<0.02
DSS09070706	Till	0.80	0.41	0.10	0.019	55	1299	102	54	<20	291	206	56	30	13	15	4.2	99.93	0.77	<0.02
DSS09070707	Till	0.73	0.30	0.11	0.021	58	1019	93	62	<20	292	204	54	25	13	15	3.8	99.93	0.32	<0.02
DSS09070708	Till	0.72	0.28	0.11	0.017	62	1059	88	50	<20	246	194	65	28	13	16	5.0	99.95	0.67	<0.02
DSS09070709	Till	0.73	0.33	0.10	0.018	46	1036	74	46	<20	291	237	68	29	16	14	3.3	99.94	0.35	<0.02

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Client: **Noble Exploration Services Ltd.**
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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002942A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
DSS09070710	Till	1.50	72.87	13.20	110.1	191	63.8	17.9	742	3.60	9.8	1.4	1.2	4.7	61.3	0.97	0.46	0.51	81	1.65	0.121
DSS09070711	Till	1.59	44.88	8.04	80.2	51	41.3	9.8	444	2.52	4.5	2.2	<0.2	4.5	38.0	0.44	0.22	0.64	65	0.60	0.122
DSS09070712	Rock Pulp	12.28	177.22	6.76	55.3	99	14.3	11.4	434	4.51	5.7	0.4	104.3	1.2	50.1	0.28	0.12	0.53	98	0.75	0.052
DSS09070721	Till	4.74	76.79	11.16	150.8	172	55.2	15.1	679	3.73	26.0	1.0	7.5	5.0	31.3	0.52	2.32	0.28	54	0.39	0.115
DSS09070722	Till	1.21	63.22	8.87	90.3	132	62.6	15.6	689	3.39	9.9	0.6	3.1	4.8	43.8	0.38	0.64	0.17	71	0.68	0.102
DSS09070723	Till	1.15	62.30	8.47	89.8	142	65.0	15.2	676	3.40	10.3	0.6	5.8	4.8	42.5	0.36	0.68	0.16	70	0.69	0.106
DSS09070725	Till	4.07	100.82	10.83	153.1	208	59.0	19.8	884	4.11	21.4	0.9	6.1	4.2	35.4	1.10	2.05	0.19	63	0.53	0.106
DSS09070801	Till	1.00	46.65	7.40	81.3	59	49.4	10.4	437	2.78	5.0	2.4	1.3	4.9	34.7	0.23	0.29	0.66	66	0.58	0.131
DSS09070802	Till	1.77	60.79	10.26	108.7	59	53.3	13.3	568	3.22	5.9	2.8	2.4	5.6	46.0	0.44	0.27	0.76	79	0.66	0.140
DSS09070803	Till	2.44	73.53	9.84	108.9	368	48.6	18.0	955	3.65	14.5	0.9	2.7	4.8	95.1	0.72	1.04	0.15	73	2.90	0.115

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Client: **Noble Exploration Services Ltd.**
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Project: BG_RE_01
Report Date: January 14, 2020

CERTIFICATE OF ANALYSIS VAN19002942A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
DSS09070710	Till	15.4	60.2	1.03	253.5	0.110	<20	2.18	0.025	0.27	0.2	8.0	0.28	<0.02	82	0.2	0.05	6.6	3.05	<0.1	0.13
DSS09070711	Till	14.4	52.5	0.67	179.7	0.095	<20	1.79	0.018	0.16	0.3	6.0	0.28	<0.02	39	0.4	0.02	5.9	3.44	<0.1	0.04
DSS09070712	Rock Pulp	4.6	21.5	0.73	54.7	0.144	<20	2.12	0.024	0.04	<0.1	5.9	0.04	0.61	23	3.0	0.47	5.6	0.35	0.1	0.16
DSS09070721	Till	17.1	47.0	0.73	156.5	0.062	<20	1.69	0.005	0.13	0.1	6.6	0.20	<0.02	120	1.5	0.09	4.2	1.19	<0.1	0.04
DSS09070722	Till	16.9	69.3	0.87	190.9	0.105	<20	1.75	0.015	0.14	<0.1	7.2	0.18	<0.02	121	0.2	0.03	5.5	1.27	<0.1	0.14
DSS09070723	Till	16.2	69.5	0.85	189.2	0.101	<20	1.69	0.014	0.13	<0.1	7.2	0.18	<0.02	114	<0.1	0.04	5.2	1.18	<0.1	0.18
DSS09070725	Till	16.8	49.3	0.78	170.4	0.070	<20	1.63	0.006	0.11	0.1	8.0	0.19	<0.02	185	1.1	0.08	4.3	0.90	<0.1	0.04
DSS09070801	Till	14.2	64.3	0.75	186.8	0.108	<20	2.05	0.011	0.22	0.3	6.8	0.27	<0.02	87	0.3	<0.02	6.4	2.63	<0.1	0.05
DSS09070802	Till	15.7	61.3	0.84	200.1	0.102	<20	2.31	0.020	0.17	0.4	8.3	0.34	<0.02	43	0.5	0.04	6.5	3.64	<0.1	0.09
DSS09070803	Till	16.1	52.1	1.09	233.6	0.089	<20	1.84	0.015	0.22	<0.1	7.6	0.17	<0.02	135	3.4	0.05	5.4	1.31	<0.1	0.11

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Client: **Noble Exploration Services Ltd.**
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Project: BG_RE_01
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CERTIFICATE OF ANALYSIS VAN19002942A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%	%	%	%	%	%
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01
DSS09070710	Till	0.09	26.1	4.2	<0.05	5.2	11.76	30.7	0.05	2	1.0	27.6	<10	<2	60.64	14.13	6.21	2.58	3.92	1.99	2.37
DSS09070711	Till	0.31	19.1	1.2	<0.05	2.5	10.47	29.6	0.02	<1	1.4	28.0	<10	<2	64.44	14.48	4.72	2.16	2.87	2.32	2.55
DSS09070712	Rock Pulp	0.24	1.6	0.7	<0.05	5.3	5.76	9.6	0.08	8	0.2	4.6	<10	4	60.28	14.58	8.35	2.19	3.98	2.24	1.12
DSS09070721	Till	0.18	11.3	0.4	<0.05	2.1	11.31	33.6	0.03	<1	0.5	19.0	<10	<2	64.57	14.34	6.43	2.01	1.78	1.62	2.36
DSS09070722	Till	0.06	10.8	0.6	<0.05	6.1	11.64	32.3	0.03	1	0.7	18.0	13	3	65.04	13.21	6.17	2.37	2.54	2.07	2.03
DSS09070723	Till	0.07	10.5	0.3	<0.05	6.5	12.12	33.0	<0.02	<1	0.4	16.2	10	<2	65.59	13.13	6.02	2.31	2.50	2.10	2.02
DSS09070725	Till	0.09	7.2	0.3	<0.05	2.9	13.82	30.1	0.03	<1	0.5	14.4	<10	4	62.61	13.73	7.78	2.45	2.61	1.58	2.03
DSS09070801	Till	0.29	27.2	0.9	<0.05	3.4	9.94	28.4	<0.02	<1	1.2	25.8	<10	<2	63.95	14.90	5.01	2.05	2.43	2.25	2.58
DSS09070802	Till	0.14	20.6	0.9	<0.05	5.1	15.54	31.0	0.02	<1	1.6	35.9	<10	4	61.85	15.18	5.61	2.29	2.72	2.13	2.58
DSS09070803	Till	0.06	13.1	0.4	<0.05	4.5	11.45	32.3	0.03	1	0.5	18.2	<10	3	61.42	12.14	6.21	2.59	5.22	1.73	1.95

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Project: BG_RE_01
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CERTIFICATE OF ANALYSIS VAN19002942A.2

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
	Analyte	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
	Unit	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	MDL	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3	5	1	-5.1	0.01	0.02	0.02
DSS09070710	Till	0.70	0.31	0.12	0.017	76	1091	125	63	24	265	193	61	27	16	16	6.7	99.93	0.83	<0.02
DSS09070711	Till	0.70	0.32	0.08	0.017	48	1089	96	49	<20	253	215	68	29	21	15	5.1	99.93	0.78	<0.02
DSS09070712	Rock Pulp	0.95	0.15	0.11	0.009	189	455	69	20	<20	321	122	34	20	7	21	5.8	99.93	0.58	0.53
DSS09070721	Till	0.86	0.31	0.11	0.018	79	1202	157	56	<20	209	210	57	33	14	18	5.3	99.93	0.49	<0.02
DSS09070722	Till	0.77	0.27	0.11	0.022	69	1000	100	72	23	281	171	59	26	15	17	5.1	99.93	0.29	<0.02
DSS09070723	Till	0.76	0.25	0.11	0.022	66	997	97	73	<20	282	172	61	25	14	17	4.9	99.94	0.31	<0.02
DSS09070725	Till	0.81	0.26	0.15	0.018	103	1101	169	62	21	245	194	53	32	16	21	5.7	99.92	0.35	<0.02
DSS09070801	Till	0.71	0.32	0.08	0.021	46	1116	96	49	<20	242	214	63	26	16	14	5.4	99.94	0.72	<0.02
DSS09070802	Till	0.69	0.33	0.09	0.017	56	1068	121	57	<20	248	219	63	32	14	16	6.2	99.94	0.79	<0.02
DSS09070803	Till	0.71	0.26	0.14	0.016	68	1031	107	53	<20	282	184	45	25	12	16	7.3	99.92	1.01	<0.02

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PHONE (604) 253-3158

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002942A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
09-GBC-549	Till	4.01	92.92	15.13	152.6	877	77.5	25.0	986	3.76	25.5	0.7	3.7	4.8	49.3	1.64	1.76	0.29	67	1.67	0.114
09-GBC-587	Till	0.46	34.60	4.06	40.8	40	32.3	8.0	265	2.13	4.1	0.5	4.8	2.3	36.1	0.12	0.28	0.04	61	0.45	0.085
09-GBC-625	Till	3.58	204.40	16.45	111.9	620	61.8	42.6	1860	7.98	24.9	0.9	12.2	4.8	54.5	0.47	0.44	0.30	175	0.77	0.157
09-GBC-1502	Rock Pulp	0.79	68.91	10.17	77.3	92	39.5	15.3	351	3.87	7.2	0.8	4.9	8.4	24.3	0.09	0.24	0.22	54	0.24	0.064
DSS09070705	Till	1.08	45.22	6.82	61.7	24	40.2	11.1	482	2.47	5.8	0.9	3.6	4.4	36.1	0.45	0.37	0.15	63	0.52	0.114
Pulp Duplicates																					
09-GBC-537	Till	1.72	103.30	5.79	85.4	341	61.1	22.2	700	5.97	698.1	0.5	266.0	2.0	15.6	0.19	2.17	0.12	120	0.31	0.047
REP 09-GBC-537	QC	1.73	105.58	6.00	86.9	346	61.9	22.7	716	6.06	707.3	0.5	285.4	2.2	16.4	0.19	2.22	0.13	122	0.31	0.048
09-GBC-544	Till	2.37	70.17	13.22	92.9	411	62.3	17.3	839	3.57	16.5	1.5	5.4	4.8	32.0	0.39	1.17	0.17	59	0.54	0.102
REP 09-GBC-544	QC																				
09-GBC-554	Till	0.86	58.13	13.87	89.7	229	52.2	19.9	792	4.02	5.0	1.4	1.6	6.5	40.1	0.28	0.44	0.38	84	0.60	0.096
REP 09-GBC-554	QC																				
09-GBC-574	Till	1.72	67.69	6.90	96.7	84	54.7	16.0	876	3.27	13.8	0.5	2.9	2.5	87.2	0.70	0.96	0.11	82	2.46	0.107
REP 09-GBC-574	QC	1.67	68.24	6.85	95.3	97	56.6	15.8	861	3.33	13.6	0.5	3.5	2.4	84.9	0.63	0.94	0.10	83	2.50	0.103
09-GBC-579	Till	1.18	84.62	7.32	119.1	81	53.9	17.5	950	4.25	15.4	1.0	8.4	2.6	93.6	0.47	0.63	0.11	125	0.85	0.130
REP 09-GBC-579	QC																				
09-GBC-590	Till	4.05	62.39	15.93	124.1	399	81.8	23.7	1073	3.56	21.5	0.7	7.4	7.0	86.6	1.15	1.39	0.23	43	3.30	0.098
REP 09-GBC-590	QC																				
09-GBC-610	Till	0.64	55.50	14.32	83.3	70	41.9	14.0	577	3.63	6.8	1.2	2.8	7.7	47.9	0.21	0.29	0.30	84	0.60	0.088
REP 09-GBC-610	QC	0.64	55.07	14.38	82.4	84	41.4	13.9	572	3.63	6.8	1.2	35.2	7.4	47.5	0.21	0.33	0.29	85	0.60	0.088
09-GBC-615	Till	1.13	49.82	18.61	101.6	185	42.6	19.6	936	3.93	7.8	2.2	2.6	11.5	42.7	0.36	0.34	0.43	78	0.56	0.096
REP 09-GBC-615	QC																				
09-GBC-626	Till	3.18	148.98	11.33	88.7	555	45.7	26.7	994	4.78	16.5	0.8	6.9	6.1	115.8	0.37	0.31	0.20	144	2.97	0.163
REP 09-GBC-626	QC																				
09-GBC-646	Till	1.00	68.53	6.58	74.2	275	39.7	15.3	916	3.39	10.0	1.4	3.3	2.1	47.9	0.36	0.49	0.10	93	0.75	0.081
REP 09-GBC-646	QC	1.02	69.24	6.57	74.2	273	39.8	15.4	920	3.40	9.7	1.4	2.6	2.1	48.2	0.37	0.50	0.11	95	0.75	0.082
09-GBC-652	Till	1.07	73.55	7.77	84.6	107	53.9	19.2	1021	3.87	10.9	0.6	3.0	3.4	57.5	0.37	0.65	0.16	104	0.88	0.109
REP 09-GBC-652	QC																				
09-GBC-663	Till	0.84	32.29	5.15	63.6	37	58.1	10.7	744	2.64	6.4	0.5	1.5	2.1	45.3	0.44	0.57	0.06	69	0.59	0.087

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002942A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
09-GBC-549	Till	17.0	50.3	0.64	231.8	0.041	<20	1.32	0.010	0.13	<0.1	7.5	0.28	<0.02	89	1.7	0.11	4.1	2.04	<0.1	0.11
09-GBC-587	Till	14.2	47.3	0.54	160.5	0.122	<20	1.53	0.012	0.04	<0.1	5.2	0.09	<0.02	70	<0.1	<0.02	4.4	0.65	<0.1	0.07
09-GBC-625	Till	19.0	128.1	2.51	165.4	0.097	<20	3.47	0.009	0.37	0.2	17.2	0.18	<0.02	29	0.7	0.13	10.4	4.82	<0.1	0.08
09-GBC-1502	Rock Pulp	28.7	49.5	0.90	52.6	0.071	<20	2.17	0.008	0.11	<0.1	4.6	0.12	<0.02	76	0.3	0.07	5.7	1.02	<0.1	<0.02
DSS09070705	Till	16.6	48.6	0.59	157.5	0.104	<20	1.41	0.015	0.09	0.1	5.5	0.16	<0.02	62	0.2	<0.02	4.4	1.33	<0.1	0.03
Pulp Duplicates																					
09-GBC-537	Till	9.5	85.4	0.74	154.1	0.018	<20	1.70	0.007	0.06	<0.1	22.9	0.16	<0.02	124	1.1	0.05	4.0	1.68	<0.1	<0.02
REP 09-GBC-537	QC	10.1	87.5	0.75	160.0	0.019	<20	1.74	0.007	0.06	<0.1	23.4	0.17	<0.02	157	1.2	0.05	4.1	1.77	<0.1	<0.02
09-GBC-544	Till	19.8	60.5	0.67	168.3	0.044	<20	1.64	0.010	0.12	0.1	8.3	0.17	<0.02	101	1.0	0.06	4.9	1.71	<0.1	0.03
REP 09-GBC-544	QC																				
09-GBC-554	Till	23.1	70.9	1.15	161.4	0.174	<20	2.41	0.019	0.62	0.2	8.0	0.33	<0.02	58	0.3	0.05	9.0	3.87	<0.1	0.16
REP 09-GBC-554	QC																				
09-GBC-574	Till	12.2	54.6	0.85	186.8	0.115	<20	1.57	0.020	0.09	<0.1	9.2	0.18	<0.02	203	<0.1	0.04	5.3	1.17	<0.1	0.24
REP 09-GBC-574	QC	12.4	54.0	0.84	180.1	0.117	<20	1.58	0.021	0.09	<0.1	9.1	0.17	<0.02	186	0.1	0.04	5.0	1.14	<0.1	0.23
09-GBC-579	Till	15.0	57.3	1.21	213.1	0.170	<20	2.32	0.031	0.26	0.1	12.1	0.26	<0.02	142	<0.1	0.07	8.0	2.36	<0.1	0.15
REP 09-GBC-579	QC																				
09-GBC-590	Till	18.3	40.0	0.78	236.1	0.036	<20	1.53	0.011	0.19	<0.1	7.0	0.24	<0.02	99	0.8	0.06	4.3	1.21	<0.1	0.17
REP 09-GBC-590	QC																				
09-GBC-610	Till	23.2	60.2	0.98	173.4	0.144	<20	2.19	0.016	0.27	<0.1	8.1	0.22	<0.02	72	0.2	0.04	7.4	2.32	<0.1	0.11
REP 09-GBC-610	QC	23.5	59.8	0.97	170.5	0.152	<20	2.17	0.015	0.27	0.1	7.9	0.21	<0.02	68	0.3	0.05	7.4	2.32	<0.1	0.12
09-GBC-615	Till	31.5	55.4	0.96	204.8	0.137	<20	2.48	0.014	0.39	0.2	7.9	0.26	<0.02	49	0.2	0.04	8.7	2.99	<0.1	0.20
REP 09-GBC-615	QC																				
09-GBC-626	Till	20.0	111.3	1.92	100.8	0.099	<20	2.55	0.009	0.23	0.2	11.7	0.10	<0.02	10	0.5	0.06	7.8	3.52	<0.1	0.15
REP 09-GBC-626	QC																				
09-GBC-646	Till	16.6	67.7	0.79	166.5	0.117	<20	1.93	0.013	0.10	<0.1	9.5	0.10	<0.02	76	0.4	0.03	5.6	0.81	<0.1	0.04
REP 09-GBC-646	QC	16.5	68.3	0.79	167.3	0.116	<20	1.95	0.012	0.10	<0.1	9.6	0.10	<0.02	86	0.2	0.03	5.7	0.83	<0.1	0.04
09-GBC-652	Till	14.6	61.4	1.05	193.7	0.140	<20	2.06	0.025	0.15	<0.1	9.3	0.16	<0.02	138	0.3	0.05	6.6	1.33	<0.1	0.18
REP 09-GBC-652	QC																				
09-GBC-663	Till	12.8	54.9	0.58	141.0	0.114	<20	1.11	0.018	0.06	<0.1	6.5	0.13	<0.02	155	0.3	0.02	3.5	0.52	<0.1	0.18

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002942A.2

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%	%	%	%	%	%
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.01	0.01	0.04	0.01	0.01	0.01	0.01
09-GBC-549	Till	0.02	9.6	0.6	<0.05	4.9	12.66	34.3	0.03	<1	0.6	13.8	11	3	63.69	12.57	6.83	2.16	3.56	1.13	2.03
09-GBC-587	Till	0.24	5.4	0.2	<0.05	3.4	7.10	28.7	0.02	<1	0.2	8.4	<10	<2	69.78	12.33	4.37	1.70	2.27	2.91	1.66
09-GBC-625	Till	<0.02	23.0	0.6	<0.05	3.9	23.14	34.7	0.04	<1	0.9	43.6	<10	6	48.68	15.45	13.04	5.55	3.00	1.60	2.40
09-GBC-1502	Rock Pulp	0.31	12.1	0.2	<0.05	0.9	5.99	63.8	<0.02	<1	0.5	31.5	<10	<2	62.35	16.12	6.70	2.15	1.26	1.68	2.82
DSS09070705	Till	0.20	8.6	1.3	<0.05	2.1	8.73	34.8	<0.02	<1	0.5	14.8	<10	2	68.45	12.38	4.88	2.10	2.84	2.41	1.89
Pulp Duplicates																					
09-GBC-537	Till	0.07	5.9	0.2	<0.05	0.5	15.25	17.2	0.04	<1	0.5	13.1	<10	<2	58.73	15.86	9.93	1.88	1.27	1.27	1.41
REP 09-GBC-537	QC	0.07	6.1	0.3	<0.05	0.5	15.63	18.4	0.04	<1	0.5	13.2	<10	<2							
09-GBC-544	Till	0.19	9.5	0.3	<0.05	1.7	15.32	38.2	0.03	<1	0.6	14.6	<10	4	67.88	12.27	6.28	1.94	1.69	1.48	1.83
REP 09-GBC-544	QC														67.91	12.30	6.26	1.92	1.69	1.47	1.82
09-GBC-554	Till	0.12	46.0	1.9	<0.05	5.6	10.77	45.6	0.03	<1	0.8	32.4	<10	2	59.26	17.13	7.05	2.66	2.28	2.03	3.30
REP 09-GBC-554	QC																				
09-GBC-574	Till	0.04	6.4	0.4	<0.05	8.8	10.67	25.5	0.04	<1	0.4	10.1	<10	4	63.84	11.92	5.69	2.15	4.70	2.52	1.68
REP 09-GBC-574	QC	0.04	6.3	0.4	<0.05	8.4	10.81	24.5	0.03	<1	0.5	10.1	11	2							
09-GBC-579	Till	0.19	19.5	0.5	<0.05	6.8	13.27	28.6	0.04	<1	0.5	14.5	<10	4	61.12	13.97	7.23	2.73	2.69	2.57	2.07
REP 09-GBC-579	QC														61.34	13.95	7.15	2.72	2.67	2.51	2.04
09-GBC-590	Till	0.06	11.3	0.4	<0.05	7.4	10.85	38.3	0.04	<1	0.5	14.4	<10	2	60.84	12.50	6.17	1.89	5.25	1.18	2.26
REP 09-GBC-590	QC																				
09-GBC-610	Till	0.05	25.3	0.7	<0.05	5.9	15.02	38.2	0.03	<1	0.8	24.8	<10	2	63.20	14.77	6.23	2.31	2.27	2.21	2.60
REP 09-GBC-610	QC	0.06	25.1	1.0	<0.05	6.3	14.89	38.8	0.03	<1	0.8	24.6	<10	<2							
09-GBC-615	Till	0.07	31.8	1.5	<0.05	8.1	11.96	57.1	0.04	<1	0.9	31.0	<10	<2	61.53	16.14	6.61	2.17	1.86	2.05	3.04
REP 09-GBC-615	QC														61.58	16.17	6.58	2.17	1.86	2.02	3.03
09-GBC-626	Till	<0.02	15.1	0.4	<0.05	6.6	14.01	41.3	0.03	<1	0.7	29.7	<10	4	52.02	13.55	9.19	4.78	7.07	1.77	2.08
REP 09-GBC-626	QC																				
09-GBC-646	Till	0.49	10.9	0.3	<0.05	1.8	14.99	28.4	0.02	<1	0.5	16.5	<10	2	62.76	13.49	6.09	2.18	2.97	2.62	1.95
REP 09-GBC-646	QC	0.49	11.0	0.3	<0.05	1.8	15.14	28.2	0.02	<1	0.6	16.6	<10	<2							
09-GBC-652	Till	<0.02	10.8	0.4	<0.05	9.0	11.66	27.3	0.03	<1	0.5	14.8	<10	3	62.25	13.87	6.88	2.64	3.04	2.58	2.10
REP 09-GBC-652	QC														62.22	13.97	6.89	2.67	3.03	2.54	2.05
09-GBC-663	Till	0.06	3.4	0.2	<0.05	8.9	12.89	21.9	<0.02	<1	0.3	5.9	<10	2	69.45	11.81	5.11	1.82	2.83	2.91	1.53

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Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002942A.2

	Method	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
	Analyte	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
	Unit	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	MDL	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30	3	5	1	-5.1	0.01	0.02	0.02
09-GBC-549	Till	0.87	0.28	0.15	0.022	94	1516	171	81	28	173	216	75	35	13	19	6.4	99.92	0.75	<0.02
09-GBC-587	Till	0.87	0.21	0.06	0.023	38	938	50	46	<20	355	160	49	19	12	13	3.6	99.95	0.23	<0.02
09-GBC-625	Till	0.88	0.38	0.26	0.025	212	846	123	70	41	270	117	51	32	9	31	8.4	99.84	0.28	<0.02
09-GBC-1502	Rock Pulp	0.90	0.16	0.07	0.017	74	608	89	41	<20	219	356	112	31	15	16	5.5	99.94	0.46	<0.02
DSS09070705	Till	0.80	0.26	0.09	0.019	48	1084	71	46	<20	300	204	64	26	10	15	3.6	99.95	0.41	<0.02
Pulp Duplicates																				
09-GBC-537	Till	1.11	0.12	0.11	0.031	110	733	99	71	23	141	145	42	35	9	34	8.1	99.92	0.49	<0.02
REP 09-GBC-537	QC																			
09-GBC-544	Till	0.74	0.25	0.13	0.021	79	900	104	66	21	170	236	71	34	14	18	5.2	99.94	0.49	<0.02
REP 09-GBC-544	QC	0.74	0.26	0.13	0.020	86	893	103	66	22	170	233	66	32	11	17	5.2	99.95		
09-GBC-554	Till	0.91	0.24	0.13	0.018	60	942	104	51	<20	272	311	102	30	17	18	4.7	99.93	0.17	<0.02
REP 09-GBC-554	QC																		0.17	<0.02
09-GBC-574	Till	0.69	0.24	0.13	0.020	71	987	103	63	<20	370	123	36	20	8	16	6.2	99.95	0.65	<0.02
REP 09-GBC-574	QC																			
09-GBC-579	Till	0.89	0.28	0.14	0.016	228	1105	118	65	21	426	133	39	23	9	18	6.0	99.93	0.41	<0.02
REP 09-GBC-579	QC	0.89	0.28	0.14	0.017	85	1097	117	59	24	423	132	43	22	11	18	6.0	99.92		
09-GBC-590	Till	0.70	0.23	0.15	0.017	63	969	138	90	26	188	255	81	30	15	15	8.5	99.93	1.18	<0.02
REP 09-GBC-590	QC																		1.20	<0.02
09-GBC-610	Till	0.80	0.21	0.09	0.017	54	966	88	46	<20	326	250	74	29	16	16	5.0	99.92	0.20	<0.02
REP 09-GBC-610	QC																			
09-GBC-615	Till	0.87	0.24	0.14	0.015	55	1014	112	49	20	272	303	105	30	23	16	5.0	99.92	0.11	<0.02
REP 09-GBC-615	QC	0.87	0.24	0.14	0.015	56	1019	111	47	<20	272	286	103	29	20	16	5.0	99.93		
09-GBC-626	Till	0.98	0.39	0.16	0.025	156	682	103	60	29	413	216	67	25	10	28	7.7	99.87	0.71	<0.02
REP 09-GBC-626	QC																		0.72	<0.02
09-GBC-646	Till	0.81	0.24	0.15	0.026	73	974	86	57	<20	401	169	42	26	10	20	6.4	99.93	1.11	<0.02
REP 09-GBC-646	QC																			
09-GBC-652	Till	0.81	0.28	0.16	0.021	77	1053	93	64	24	387	150	45	23	6	19	5.1	99.93	0.15	<0.02
REP 09-GBC-652	QC	0.80	0.27	0.16	0.021	76	1029	92	63	20	390	154	46	23	7	19	5.1	99.93		
09-GBC-663	Till	0.79	0.24	0.12	0.034	36	882	74	65	<20	363	194	31	24	6	15	3.1	99.96	0.13	<0.02

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002942A.2

		AQ250 Mo ppm 0.01	AQ250 Cu ppm 0.01	AQ250 Pb ppm 0.01	AQ250 Zn ppm 0.1	AQ250 Ag ppb 2	AQ250 Ni ppm 0.1	AQ250 Co ppm 0.1	AQ250 Mn ppm 1	AQ250 Fe % 0.01	AQ250 As ppm 0.1	AQ250 U ppm 0.1	AQ250 Au ppb 0.2	AQ250 Th ppm 0.1	AQ250 Sr ppm 0.5	AQ250 Cd ppm 0.01	AQ250 Sb ppm 0.02	AQ250 Bi ppm 0.02	AQ250 V ppm 1	AQ250 Ca % 0.01	AQ250 P % 0.001
REP 09-GBC-663	QC																				
09-GBC-688	Till	0.98	36.38	10.31	66.3	42	32.0	10.5	505	2.67	5.5	2.3	1.2	7.5	28.0	0.16	0.36	0.32	58	0.38	0.085
REP 09-GBC-688	QC																				
09-GBC-698	Till	1.06	60.98	12.33	95.1	115	45.7	18.8	732	4.22	7.2	1.1	1.8	7.2	41.5	0.26	0.44	0.23	93	0.67	0.105
REP 09-GBC-698	QC																				
09-GBC-1518	Till	0.88	28.26	7.72	76.9	160	102.3	18.4	987	2.78	6.0	0.7	1.9	1.9	31.0	0.30	0.24	0.09	63	0.45	0.086
REP 09-GBC-1518	QC	0.90	28.73	7.50	79.2	164	103.5	18.9	1010	2.86	5.8	0.7	1.6	1.8	30.5	0.32	0.24	0.09	63	0.46	0.088
09-GBC-1524	Till	0.75	37.16	6.81	72.2	71	94.8	14.2	621	2.87	6.6	0.7	1.1	2.4	31.6	0.18	0.34	0.09	63	0.48	0.076
REP 09-GBC-1524	QC																				
DSS09070704	Till	1.11	61.43	8.72	90.1	165	50.4	15.3	715	3.23	8.5	0.7	1.9	4.8	45.2	0.61	0.49	0.17	75	0.72	0.124
REP DSS09070704	QC																				
DSS09070722	Till	1.21	63.22	8.87	90.3	132	62.6	15.6	689	3.39	9.9	0.6	3.1	4.8	43.8	0.38	0.64	0.17	71	0.68	0.102
REP DSS09070722	QC	1.24	61.85	8.64	91.4	140	63.2	15.6	655	3.44	9.9	0.6	4.0	4.8	43.6	0.39	0.67	0.16	71	0.68	0.112
DSS09070801	Till	1.00	46.65	7.40	81.3	59	49.4	10.4	437	2.78	5.0	2.4	1.3	4.9	34.7	0.23	0.29	0.66	66	0.58	0.131
REP DSS09070801	QC																				
DSS09070802	Till	1.77	60.79	10.26	108.7	59	53.3	13.3	568	3.22	5.9	2.8	2.4	5.6	46.0	0.44	0.27	0.76	79	0.66	0.140
REP DSS09070802	QC																				
Reference Materials																					
STD BVGEO01	Standard	10.88	4582.99	192.62	1729.2	2634	163.5	24.3	763	3.91	125.7	3.6	225.9	14.3	61.2	6.56	2.32	25.05	75	1.38	0.074
STD BVGEO01	Standard	11.15	4551.69	187.03	1800.4	2699	168.4	26.1	747	3.84	117.0	3.9	215.3	15.7	56.9	6.49	2.22	24.25	77	1.37	0.071
STD BVGEO01	Standard	10.32	4464.01	190.81	1739.3	2555	164.3	24.9	732	3.82	117.0	3.7	227.6	13.6	53.5	6.28	1.74	23.07	76	1.34	0.068
STD DS11	Standard	14.17	149.09	130.14	331.4	1714	84.5	13.7	1034	3.06	43.4	2.5	58.4	7.0	64.7	2.11	5.54	10.05	49	1.06	0.068
STD DS11	Standard	15.49	156.73	142.71	360.1	1755	84.2	14.5	1080	3.27	44.2	3.0	109.1	9.1	70.5	2.42	7.06	11.59	51	1.11	0.069
STD DS11	Standard	15.14	146.93	132.89	350.0	1983	81.9	14.2	1051	3.15	43.3	2.7	58.3	8.1	64.4	2.27	5.96	11.53	52	1.08	0.068
STD DS11	Standard	15.82	161.94	135.60	344.6	1631	82.9	13.4	1013	3.22	43.4	2.6	68.8	7.9	62.6	2.38	6.32	10.87	49	1.07	0.067
STD DS11	Standard	15.44	166.56	145.68	355.1	1624	85.8	13.8	1054	3.14	42.5	2.6	62.8	7.7	69.3	2.58	8.43	12.49	46	1.05	0.067
STD GS311-1	Standard																				
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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002942A.2

		AQ250 La ppm 0.5	AQ250 Cr ppm 0.5	AQ250 Mg % 0.01	AQ250 Ba ppm 0.5	AQ250 Ti % 0.001	AQ250 B ppm 20	AQ250 Al % 0.01	AQ250 Na % 0.001	AQ250 K % 0.01	AQ250 W ppm 0.1	AQ250 Sc ppm 0.1	AQ250 Tl ppm 0.02	AQ250 S % 0.02	AQ250 Hg ppb 5	AQ250 Se ppm 0.1	AQ250 Te ppm 0.02	AQ250 Ga ppm 0.1	AQ250 Cs ppm 0.02	AQ250 Ge ppm 0.1	AQ250 Hf ppm 0.02
REP 09-GBC-663	QC																				
09-GBC-688	Till	27.6	43.5	0.63	270.6	0.115	<20	1.61	0.012	0.19	0.2	5.6	0.28	<0.02	30	0.4	0.03	5.4	2.53	<0.1	0.03
REP 09-GBC-688	QC																				
09-GBC-698	Till	24.8	66.1	1.09	165.1	0.169	<20	2.47	0.017	0.42	0.1	9.8	0.26	<0.02	60	0.3	0.03	8.8	2.73	<0.1	0.17
REP 09-GBC-698	QC																				
09-GBC-1518	Till	11.6	92.3	0.91	384.1	0.083	<20	1.58	0.015	0.09	<0.1	5.5	0.12	<0.02	85	<0.1	<0.02	4.4	0.65	<0.1	0.04
REP 09-GBC-1518	QC	11.5	91.6	0.93	398.1	0.085	<20	1.59	0.015	0.09	<0.1	5.8	0.12	<0.02	100	<0.1	<0.02	4.6	0.68	<0.1	0.06
09-GBC-1524	Till	14.2	83.9	0.87	275.6	0.098	<20	1.63	0.018	0.07	<0.1	7.0	0.13	<0.02	187	0.1	0.02	4.6	0.73	<0.1	0.06
REP 09-GBC-1524	QC																				
DSS09070704	Till	17.4	55.0	0.87	184.9	0.110	<20	1.71	0.019	0.19	<0.1	7.1	0.19	<0.02	92	0.2	0.02	5.2	1.52	<0.1	0.06
REP DSS09070704	QC																				
DSS09070722	Till	16.9	69.3	0.87	190.9	0.105	<20	1.75	0.015	0.14	<0.1	7.2	0.18	<0.02	121	0.2	0.03	5.5	1.27	<0.1	0.14
REP DSS09070722	QC	16.8	69.1	0.87	191.8	0.102	<20	1.74	0.015	0.14	<0.1	7.2	0.19	<0.02	116	0.2	0.02	5.4	1.28	<0.1	0.14
DSS09070801	Till	14.2	64.3	0.75	186.8	0.108	<20	2.05	0.011	0.22	0.3	6.8	0.27	<0.02	87	0.3	<0.02	6.4	2.63	<0.1	0.05
REP DSS09070801	QC																				
DSS09070802	Till	15.7	61.3	0.84	200.1	0.102	<20	2.31	0.020	0.17	0.4	8.3	0.34	<0.02	43	0.5	0.04	6.5	3.64	<0.1	0.09
REP DSS09070802	QC																				
Reference Materials																					
STD BVGEO01	Standard	26.9	179.6	1.35	366.0	0.249	<20	2.45	0.201	0.91	3.6	6.3	0.64	0.65	111	4.8	1.12	7.4	7.23	0.2	0.36
STD BVGEO01	Standard	28.1	195.9	1.35	340.7	0.249	<20	2.44	0.205	0.94	3.2	6.2	0.64	0.69	103	4.7	1.00	7.8	7.17	0.1	0.33
STD BVGEO01	Standard	25.6	180.0	1.34	337.3	0.240	<20	2.35	0.195	0.91	2.7	6.2	0.61	0.67	106	4.9	0.93	7.6	7.22	0.2	0.21
STD DS11	Standard	17.1	59.2	0.85	389.9	0.087	<20	1.17	0.074	0.40	2.2	3.0	5.05	0.29	249	2.3	4.58	5.2	2.75	<0.1	0.06
STD DS11	Standard	21.1	62.8	0.88	388.4	0.109	<20	1.26	0.077	0.43	2.6	3.4	5.26	0.28	260	2.5	4.90	5.5	2.99	<0.1	0.08
STD DS11	Standard	19.5	61.6	0.88	419.3	0.102	<20	1.20	0.073	0.41	2.3	3.2	4.94	0.29	252	2.2	4.44	5.2	2.81	<0.1	0.06
STD DS11	Standard	17.2	58.0	0.85	402.1	0.096	<20	1.18	0.072	0.40	2.6	3.5	4.96	0.28	266	2.2	4.47	4.9	2.86	<0.1	0.08
STD DS11	Standard	18.1	58.7	0.86	424.7	0.094	<20	1.14	0.070	0.40	2.5	2.8	5.01	0.26	255	2.3	4.99	4.7	2.96	<0.1	0.05
STD GS311-1	Standard																				
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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002942A.2

		AQ250 Nb ppm 0.02	AQ250 Rb ppm 0.1	AQ250 Sn ppm 0.1	AQ250 Ta ppm 0.05	AQ250 Zr ppm 0.1	AQ250 Y ppm 0.01	AQ250 Ce ppm 0.1	AQ250 In ppm 0.02	AQ250 Re ppb 1	AQ250 Be ppm 0.1	AQ250 Li ppm 0.1	AQ250 Pd ppb 10	AQ250 Pt ppb 2	LF300 SiO2 % 0.01	LF300 Al2O3 % 0.01	LF300 Fe2O3 % 0.04	LF300 MgO % 0.01	LF300 CaO % 0.01	LF300 Na2O % 0.01	LF300 K2O % 0.01
REP 09-GBC-663	QC																				
09-GBC-688	Till	0.34	21.2	1.6	<0.05	1.9	11.17	50.7	0.02	<1	0.9	18.8	<10	<2	66.49	14.33	4.91	1.79	2.00	2.02	2.59
REP 09-GBC-688	QC														66.88	14.06	4.93	1.79	1.96	1.99	2.52
09-GBC-698	Till	0.09	35.8	0.7	<0.05	7.4	11.98	44.2	0.03	<1	0.7	25.2	<10	<2	59.54	16.01	7.34	2.48	2.21	2.05	2.74
REP 09-GBC-698	QC																				
09-GBC-1518	Till	0.45	7.9	0.9	<0.05	2.4	7.41	26.7	<0.02	<1	0.4	10.7	<10	3	68.36	11.65	4.89	2.31	1.87	2.31	1.38
REP 09-GBC-1518	QC	0.49	8.2	0.4	<0.05	2.3	7.85	26.6	0.03	<1	0.5	10.9	<10	<2							
09-GBC-1524	Till	0.31	6.3	0.5	<0.05	2.9	11.68	28.6	0.02	<1	0.4	10.9	<10	<2	67.92	12.04	5.06	2.18	1.97	2.47	1.51
REP 09-GBC-1524	QC														67.99	12.04	5.01	2.18	1.97	2.46	1.50
DSS09070704	Till	0.07	15.2	0.4	<0.05	3.6	10.96	35.4	0.02	<1	0.5	17.5	<10	2	65.46	13.02	5.90	2.46	2.86	2.23	2.12
REP DSS09070704	QC																				
DSS09070722	Till	0.06	10.8	0.6	<0.05	6.1	11.64	32.3	0.03	1	0.7	18.0	13	3	65.04	13.21	6.17	2.37	2.54	2.07	2.03
REP DSS09070722	QC	0.06	10.8	0.4	<0.05	6.4	11.27	32.8	<0.02	<1	0.4	17.8	<10	3							
DSS09070801	Till	0.29	27.2	0.9	<0.05	3.4	9.94	28.4	<0.02	<1	1.2	25.8	<10	<2	63.95	14.90	5.01	2.05	2.43	2.25	2.58
REP DSS09070801	QC														64.01	14.87	5.02	2.06	2.42	2.23	2.58
DSS09070802	Till	0.14	20.6	0.9	<0.05	5.1	15.54	31.0	0.02	<1	1.6	35.9	<10	4	61.85	15.18	5.61	2.29	2.72	2.13	2.58
REP DSS09070802	QC																				
Reference Materials																					
STD BVGEO01	Standard	0.14	95.1	5.8	<0.05	9.6	14.69	54.2	0.50	4	0.9	19.3	148	179							
STD BVGEO01	Standard	0.08	98.8	5.6	<0.05	10.4	15.11	52.9	0.45	4	0.7	21.2	154	185							
STD BVGEO01	Standard	0.12	92.7	5.1	<0.05	8.0	13.79	53.9	0.48	4	0.7	19.6	147	175							
STD DS11	Standard	0.92	32.5	1.5	<0.05	2.6	7.32	34.8	0.22	48	0.7	21.4	109	179							
STD DS11	Standard	1.39	36.1	1.9	<0.05	3.2	8.72	39.7	0.26	46	0.7	23.6	111	180							
STD DS11	Standard	1.17	34.0	1.7	<0.05	2.8	8.00	37.0	0.23	49	0.7	22.2	106	177							
STD DS11	Standard	1.37	34.1	1.7	<0.05	2.9	7.74	36.0	0.21	52	0.7	23.8	95	174							
STD DS11	Standard	1.17	33.5	1.7	<0.05	2.7	7.57	37.1	0.26	48	0.9	21.7	118	172							
STD GS311-1	Standard																				
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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002942A.2

		LF300 TiO2 % 0.01	LF300 P2O5 % 0.01	LF300 MnO % 0.01	LF300 Cr2O3 % 0.002	LF300 Cu ppm 5	LF300 Ba ppm 5	LF300 Zn ppm 5	LF300 Ni ppm 20	LF300 Co ppm 20	LF300 Sr ppm 2	LF300 Zr ppm 5	LF300 Ce ppm 30	LF300 Y ppm 3	LF300 Nb ppm 5	LF300 Sc ppm 1	LF300 LOI % -5.1	LF300 Sum % 0.01	TC000 TOT/C % 0.02	TC000 TOT/S % 0.02
REP 09-GBC-663	QC																		0.13	<0.02
09-GBC-688	Till	0.79	0.22	0.09	0.016	42	1468	74	38	<20	296	288	91	30	17	14	4.4	99.95	0.34	<0.02
REP 09-GBC-688	QC	0.78	0.22	0.09	0.016	45	1458	79	34	<20	289	289	99	31	17	14	4.4	99.94		
09-GBC-698	Till	0.89	0.27	0.12	0.018	68	965	104	48	21	284	291	107	30	15	18	6.0	99.92	0.20	<0.02
REP 09-GBC-698	QC																		0.20	<0.02
09-GBC-1518	Till	0.78	0.21	0.14	0.036	40	1048	97	118	28	242	153	40	19	10	13	5.8	99.94	1.07	<0.02
REP 09-GBC-1518	QC																			
09-GBC-1524	Till	0.78	0.19	0.09	0.035	43	963	83	110	22	257	156	34	23	13	14	5.5	99.95	0.70	<0.02
REP 09-GBC-1524	QC	0.78	0.19	0.09	0.036	46	965	83	104	20	256	162	39	22	8	14	5.5	99.95		
DSS09070704	Till	0.79	0.30	0.12	0.019	61	1083	96	51	21	294	182	58	26	12	17	4.4	99.93	0.31	<0.02
REP DSS09070704	QC																		0.30	<0.02
DSS09070722	Till	0.77	0.27	0.11	0.022	69	1000	100	72	23	281	171	59	26	15	17	5.1	99.93	0.29	<0.02
REP DSS09070722	QC																			
DSS09070801	Till	0.71	0.32	0.08	0.021	46	1116	96	49	<20	242	214	63	26	16	14	5.4	99.94	0.72	<0.02
REP DSS09070801	QC	0.71	0.31	0.08	0.020	48	1120	96	54	<20	242	206	57	26	16	14	5.4	99.94		
DSS09070802	Till	0.69	0.33	0.09	0.017	56	1068	121	57	<20	248	219	63	32	14	16	6.2	99.94	0.79	<0.02
REP DSS09070802	QC																		0.79	<0.02
Reference Materials																				
STD BVGEO01	Standard																			
STD BVGEO01	Standard																			
STD BVGEO01	Standard																			
STD DS11	Standard																			
STD DS11	Standard																			
STD DS11	Standard																			
STD DS11	Standard																			
STD DS11	Standard																			
STD GS311-1	Standard																		0.99	2.39
STD GS311-1	Standard																		1.02	2.38
STD GS311-1	Standard																		1.00	2.26

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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: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002942A.2

		AQ250 Mo ppm 0.01	AQ250 Cu ppm 0.01	AQ250 Pb ppm 0.01	AQ250 Zn ppm 0.1	AQ250 Ag ppb 2	AQ250 Ni ppm 0.1	AQ250 Co ppm 0.1	AQ250 Mn ppm 1	AQ250 Fe % 0.01	AQ250 As ppm 0.1	AQ250 U ppm 0.1	AQ250 Au ppb 0.2	AQ250 Th ppm 0.1	AQ250 Sr ppm 0.5	AQ250 Cd ppm 0.01	AQ250 Sb ppm 0.02	AQ250 Bi ppm 0.02	AQ250 V ppm 1	AQ250 Ca % 0.01	AQ250 P % 0.001
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD OREAS262	Standard	0.60	111.00	51.81	141.3	438	64.1	25.9	516	3.08	34.5	1.1	53.8	8.5	33.9	0.58	2.62	0.89	21	2.82	0.037
STD OREAS262	Standard	0.66	129.63	55.14	159.3	485	71.0	27.2	564	3.42	37.2	1.2	56.7	9.6	35.5	0.63	2.41	0.97	22	3.13	0.041
STD OREAS262	Standard	0.71	117.36	57.48	150.7	459	65.3	28.0	539	3.31	34.6	1.3	52.1	10.0	33.6	0.59	2.40	0.98	23	3.00	0.038
STD OREAS262	Standard	0.67	117.44	57.88	151.7	481	66.3	28.4	543	3.36	35.3	1.3	57.2	9.9	33.7	0.64	2.65	0.98	22	3.01	0.038
STD OREAS262	Standard	0.67	118.33	57.47	154.4	485	67.8	29.2	564	3.38	36.2	1.3	54.5	9.6	34.3	0.62	2.02	0.98	23	3.16	0.039
STD OREAS262	Standard	0.69	126.39	56.99	157.9	471	67.3	27.2	551	3.40	36.0	1.2	49.7	9.6	35.7	0.61	1.52	0.96	23	3.12	0.041
STD OREAS262	Standard	0.66	126.15	54.22	156.5	457	71.0	27.3	543	3.38	35.4	1.2	57.0	9.4	33.6	0.61	2.48	0.97	22	3.02	0.035
STD OREAS262	Standard	0.65	119.74	56.04	149.6	456	64.3	29.3	551	3.42	37.1	1.2	61.8	9.3	36.8	0.66	3.86	1.04	21	3.22	0.041
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002942A.2

		AQ250 La ppm 0.5	AQ250 Cr ppm 0.5	AQ250 Mg % 0.01	AQ250 Ba ppm 0.5	AQ250 Ti % 0.001	AQ250 B ppm 20	AQ250 Al % 0.01	AQ250 Na % 0.001	AQ250 K % 0.01	AQ250 W ppm 0.1	AQ250 Sc ppm 0.1	AQ250 Tl ppm 0.02	AQ250 S % 0.02	AQ250 Hg ppb 5	AQ250 Se ppm 0.1	AQ250 Te ppm 0.02	AQ250 Ga ppm 0.1	AQ250 Cs ppm 0.02	AQ250 Ge ppm 0.1	AQ250 Hf ppm 0.02
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
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STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD OREAS262	Standard	15.6	41.6	1.15	241.4	0.003	<20	1.29	0.066	0.31	<0.1	3.0	0.46	0.26	166	0.6	0.21	4.0	2.33	<0.1	0.19
STD OREAS262	Standard	16.9	44.6	1.23	273.7	0.003	<20	1.35	0.071	0.33	<0.1	3.5	0.46	0.25	169	0.5	0.21	4.2	2.45	<0.1	0.19
STD OREAS262	Standard	18.9	45.3	1.20	258.4	0.003	<20	1.42	0.069	0.34	<0.1	3.3	0.47	0.26	167	0.6	0.21	4.3	2.55	<0.1	0.20
STD OREAS262	Standard	18.2	45.8	1.21	254.9	0.003	<20	1.38	0.070	0.33	<0.1	3.3	0.47	0.26	164	0.6	0.21	4.2	2.45	<0.1	0.20
STD OREAS262	Standard	17.2	45.5	1.24	258.3	0.003	<20	1.37	0.073	0.32	<0.1	3.3	0.47	0.26	175	0.7	0.22	4.2	2.33	<0.1	0.19
STD OREAS262	Standard	15.9	44.8	1.25	275.6	0.003	<20	1.42	0.073	0.34	<0.1	3.7	0.47	0.26	165	0.3	0.21	3.9	2.34	<0.1	0.13
STD OREAS262	Standard	16.1	46.1	1.18	253.6	0.003	<20	1.33	0.071	0.31	0.1	3.6	0.48	0.26	170	0.3	0.23	3.8	2.39	<0.1	0.19
STD OREAS262	Standard	15.3	44.9	1.25	246.6	0.003	<20	1.26	0.070	0.31	0.1	3.5	0.45	0.25	165	0.4	0.23	3.8	2.38	<0.1	0.19
STD SO-19	Standard																				
STD SO-19	Standard																				
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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002942A.2

		AQ250 Nb ppm 0.02	AQ250 Rb ppm 0.1	AQ250 Sn ppm 0.1	AQ250 Ta ppm 0.05	AQ250 Zr ppm 0.1	AQ250 Y ppm 0.01	AQ250 Ce ppm 0.1	AQ250 In ppm 0.02	AQ250 Re ppb 1	AQ250 Be ppm 0.1	AQ250 Li ppm 0.1	AQ250 Pd ppb 10	AQ250 Pt ppb 2	LF300 SiO2 % 0.01	LF300 Al2O3 % 0.01	LF300 Fe2O3 % 0.04	LF300 MgO % 0.01	LF300 CaO % 0.01	LF300 Na2O % 0.01	LF300 K2O % 0.01
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
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STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD OREAS262	Standard	<0.02	18.0	0.4	<0.05	8.2	10.16	32.0	0.03	1	1.0	16.1	<10	<2							
STD OREAS262	Standard	<0.02	18.8	0.5	<0.05	7.5	10.85	33.5	0.03	2	1.4	16.8	<10	3							
STD OREAS262	Standard	<0.02	20.3	0.5	<0.05	9.1	10.86	35.2	0.03	1	1.1	17.3	<10	<2							
STD OREAS262	Standard	<0.02	19.4	0.4	<0.05	9.0	10.87	34.0	0.03	1	1.1	16.9	<10	<2							
STD OREAS262	Standard	<0.02	19.1	0.5	<0.05	8.3	10.91	32.6	0.03	1	1.2	17.4	<10	<2							
STD OREAS262	Standard	<0.02	19.2	0.5	<0.05	6.9	10.33	33.4	0.03	<1	1.2	16.9	<10	<2							
STD OREAS262	Standard	<0.02	19.2	0.4	<0.05	7.1	10.24	33.0	0.03	<1	1.3	18.4	<10	3							
STD OREAS262	Standard	<0.02	18.1	0.5	<0.05	9.2	10.65	30.9	0.02	2	0.9	19.2	<10	3							
STD SO-19	Standard														60.78	13.79	7.47	2.88	5.85	4.08	1.29
STD SO-19	Standard														60.32	14.02	7.51	2.92	5.98	4.03	1.30
STD SO-19	Standard														60.75	13.85	7.42	2.89	5.91	4.01	1.27
STD SO-19	Standard														60.55	13.83	7.48	2.89	5.94	4.09	1.30
STD SO-19	Standard														60.33	13.96	7.48	2.93	5.97	4.12	1.30
STD SO-19	Standard														60.45	13.95	7.50	2.92	5.95	4.04	1.28
STD SO-19	Standard														60.58	14.02	7.42	2.92	5.92	3.99	1.27
STD SO-19	Standard														60.79	13.93	7.38	2.90	5.92	3.96	1.26
STD SO-19	Standard														60.37	14.00	7.41	2.91	6.00	4.09	1.31
STD SO-19	Standard														60.33	14.00	7.42	2.91	6.00	4.09	1.33

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002942A.2

		LF300 TiO2 % 0.01	LF300 P2O5 % 0.01	LF300 MnO % 0.01	LF300 Cr2O3 % 0.002	LF300 Cu ppm 5	LF300 Ba ppm 5	LF300 Zn ppm 5	LF300 Ni ppm 20	LF300 Co ppm 20	LF300 Sr ppm 2	LF300 Zr ppm 5	LF300 Ce ppm 30	LF300 Y ppm 3	LF300 Nb ppm 5	LF300 Sc ppm 1	LF300 LOI % -5.1	LF300 Sum % 0.01	TC000 TOT/C % 0.02	TC000 TOT/S % 0.02
STD GS311-1	Standard																		0.98	2.30
STD GS311-1	Standard																		1.03	2.32
STD GS311-1	Standard																		0.99	2.20
STD GS311-1	Standard																		1.03	2.31
STD GS910-4	Standard																		2.72	8.42
STD GS910-4	Standard																		2.75	8.00
STD GS910-4	Standard																		2.75	8.29
STD GS910-4	Standard																		2.63	8.38
STD GS910-4	Standard																		2.73	8.12
STD GS910-4	Standard																		2.70	8.01
STD GS910-4	Standard																		2.76	8.42
STD OREAS262	Standard																			
STD OREAS262	Standard																			
STD OREAS262	Standard																			
STD OREAS262	Standard																			
STD OREAS262	Standard																			
STD OREAS262	Standard																			
STD OREAS262	Standard																			
STD OREAS262	Standard																			
STD SO-19	Standard	0.69	0.31	0.13	0.494	68	468	83	473	21	312	120	151	35	73	26	1.9	99.91		
STD SO-19	Standard	0.71	0.32	0.13	0.503	68	471	86	470	22	318	120	152	35	73	27	1.9	99.90		
STD SO-19	Standard	0.70	0.32	0.13	0.496	72	475	82	475	29	315	115	158	35	73	27	1.9	99.90		
STD SO-19	Standard	0.70	0.33	0.13	0.495	73	474	83	479	27	316	117	157	35	74	27	1.9	99.91		
STD SO-19	Standard	0.71	0.33	0.13	0.500	66	478	88	477	21	319	113	167	35	73	27	1.9	99.91		
STD SO-19	Standard	0.71	0.33	0.13	0.499	71	477	85	474	26	317	113	159	35	75	27	1.9	99.91		
STD SO-19	Standard	0.70	0.32	0.13	0.490	67	463	84	470	25	312	116	160	35	74	26	1.9	99.91		
STD SO-19	Standard	0.69	0.31	0.13	0.485	63	458	81	452	25	311	117	160	35	75	26	1.9	99.90		
STD SO-19	Standard	0.71	0.32	0.13	0.507	67	472	83	473	28	319	115	164	35	70	27	1.9	99.91		
STD SO-19	Standard	0.71	0.33	0.13	0.508	68	478	82	480	26	321	117	150	35	69	27	1.9	99.91		

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QUALITY CONTROL REPORT VAN19002942A.2

		AQ250 Mo ppm 0.01	AQ250 Cu ppm 0.01	AQ250 Pb ppm 0.01	AQ250 Zn ppm 0.1	AQ250 Ag ppb 2	AQ250 Ni ppm 0.1	AQ250 Co ppm 0.1	AQ250 Mn ppm 1	AQ250 Fe % 0.01	AQ250 As ppm 0.1	AQ250 U ppm 0.1	AQ250 Au ppb 0.2	AQ250 Th ppm 0.1	AQ250 Sr ppm 0.5	AQ250 Cd ppm 0.01	AQ250 Sb ppm 0.02	AQ250 Bi ppm 0.02	AQ250 V ppm 1	AQ250 Ca % 0.01	AQ250 P % 0.001
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD BVGEO01 Expected		10.8	4415	187	1741	2530	163	25	733	3.7	121	3.77	219	14.4	55	6.5	2.2	25.6	73	1.3219	0.0727
STD DS11 Expected		13.9	149	138	345	1710	77.7	14.2	1055	3.1	42.8	2.59	79	7.65	67.3	2.37	7.2	12.2	50	1.063	0.0701
STD OREAS262 Expected		0.68	118	56	154	450	62	26.9	530	3.284	35.8	1.22	65	9.33	36	0.61	3.39	1.03	22.5	2.98	0.04
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD SO-19 Expected																					
BLK	Blank	<0.01	<0.01	0.03	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001
BLK	Blank	<0.01	<0.01	0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001
BLK	Blank	<0.01	0.03	0.02	<0.1	<2	<0.1	<0.1	<1	<0.01	0.3	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001
BLK	Blank	<0.01	0.03	0.03	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001
BLK	Blank	<0.01	0.02	0.02	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001
BLK	Blank	<0.01	0.01	<0.01	<0.1	<2	0.1	<0.1	<1	<0.01	0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001
BLK	Blank																				
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QUALITY CONTROL REPORT VAN19002942A.2

		AQ250 La ppm 0.5	AQ250 Cr ppm 0.5	AQ250 Mg % 0.01	AQ250 Ba ppm 0.5	AQ250 Ti % 0.001	AQ250 B ppm 20	AQ250 Al % 0.01	AQ250 Na % 0.001	AQ250 K % 0.01	AQ250 W ppm 0.1	AQ250 Sc ppm 0.1	AQ250 Tl ppm 0.02	AQ250 S % 0.02	AQ250 Hg ppb 5	AQ250 Se ppm 0.1	AQ250 Te ppm 0.02	AQ250 Ga ppm 0.1	AQ250 Cs ppm 0.02	AQ250 Ge ppm 0.1	AQ250 Hf ppm 0.02
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD BVGEO01 Expected		25.9	171	1.2963	340	0.233		2.347	0.1924	0.89	3.5	5.97	0.62	0.6655	100	4.84	1.02	7.37	7.36	0.15	0.32
STD DS11 Expected		18.6	61.5	0.85	417	0.0976		1.129	0.0694	0.4	2.9	3.1	4.9	0.2835	260	2.2	4.56	4.7	2.88	0.08	0.06
STD OREAS262 Expected		15.9	41.7	1.17	248	0.003		1.204	0.071	0.312	0.13	3.24	0.47	0.253	170	0.4	0.23	3.73	2.8		0.27
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD SO-19 Expected																					
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	9	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
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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: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002942A.2

		AQ250 Nb ppm 0.02	AQ250 Rb ppm 0.1	AQ250 Sn ppm 0.1	AQ250 Ta ppm 0.05	AQ250 Zr ppm 0.1	AQ250 Y ppm 0.01	AQ250 Ce ppm 0.1	AQ250 In ppm 0.02	AQ250 Re ppb 1	AQ250 Be ppm 0.1	AQ250 Li ppm 0.1	AQ250 Pd ppb 10	AQ250 Pt ppb 2	LF300 SiO2 % 0.01	LF300 Al2O3 % 0.01	LF300 Fe2O3 % 0.04	LF300 MgO % 0.01	LF300 CaO % 0.01	LF300 Na2O % 0.01	LF300 K2O % 0.01
STD SO-19	Standard														60.43	13.98	7.49	2.92	5.96	4.02	1.28
STD SO-19	Standard														60.39	13.95	7.50	2.90	5.96	4.07	1.32
STD SO-19	Standard														60.29	14.12	7.46	2.93	6.00	4.01	1.29
STD SO-19	Standard														60.44	13.95	7.51	2.91	5.97	4.04	1.29
STD BVGEO01 Expected		0.17	95	5.64		9.1	14.5	53	0.47	4	0.69	21.4	134	182							
STD DS11 Expected		1.2	33.6	1.8		2.4	7.82	37	0.24	50	0.67	23.3	100	172							
STD OREAS262 Expected			18.6	0.5		8.3	11.2	32	0.033		1.14	17.8									
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD SO-19 Expected															61.13	13.95	7.47	2.88	6	4.11	1.29
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							
BLK	Blank	<0.02	<0.1	<0.1	<0.05	0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							
BLK	Blank	<0.02	<0.1	<0.1	<0.05	0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							
BLK	Blank	<0.02	<0.1	<0.1	<0.05	0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							
BLK	Blank	<0.02	<0.1	<0.1	<0.05	0.2	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							
BLK	Blank	<0.02	<0.1	<0.1	<0.05	0.4	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2							
BLK	Blank																				
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BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank														<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01
BLK	Blank														0.02	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01
BLK	Blank														0.02	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01
BLK	Blank														0.04	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002942A.2

		LF300 TiO2 % 0.01	LF300 P2O5 % 0.01	LF300 MnO % 0.01	LF300 Cr2O3 % 0.002	LF300 Cu ppm 5	LF300 Ba ppm 5	LF300 Zn ppm 5	LF300 Ni ppm 20	LF300 Co ppm 20	LF300 Sr ppm 2	LF300 Zr ppm 5	LF300 Ce ppm 30	LF300 Y ppm 3	LF300 Nb ppm 5	LF300 Sc ppm 1	LF300 LOI % -5.1	LF300 Sum % 0.01	TC000 TOT/C % 0.02	TC000 TOT/S % 0.02
STD SO-19	Standard	0.70	0.33	0.13	0.499	72	468	82	472	26	314	115	156	35	69	26	1.9	99.89		
STD SO-19	Standard	0.70	0.32	0.13	0.498	69	465	96	463	24	316	115	152	35	70	26	1.9	99.90		
STD SO-19	Standard	0.71	0.32	0.13	0.502	72	472	82	468	23	317	115	156	35	70	27	1.9	99.91		
STD SO-19	Standard	0.70	0.32	0.13	0.493	69	473	82	476	23	315	115	152	36	67	27	1.9	99.91		
STD BVGEO01 Expected																				
STD DS11 Expected																				
STD OREAS262 Expected																				
STD GS311-1 Expected																			1.02	2.35
STD GS910-4 Expected																			2.65	8.27
STD SO-19 Expected		0.69	0.32	0.13	0.5	69	486	75	470	24	317.1	112	161	35.5	68.5	27				
BLK	Blank																			
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BLK	Blank																			
BLK	Blank																			
BLK	Blank																		<0.02	<0.02
BLK	Blank																		<0.02	<0.02
BLK	Blank																		0.03	<0.02
BLK	Blank																		<0.02	<0.02
BLK	Blank																		<0.02	<0.02
BLK	Blank																		<0.02	<0.02
BLK	Blank																		<0.02	<0.02
BLK	Blank	<0.01	<0.01	<0.01	<0.002	<5	<5	<5	<20	<20	<2	<5	<30	<3	<5	<1	0.0	0.02		
BLK	Blank	<0.01	<0.01	<0.01	<0.002	10	<5	<5	<20	<20	<2	<5	<30	<3	<5	<1	0.0	0.03		
BLK	Blank	<0.01	<0.01	<0.01	<0.002	<5	<5	<5	<20	<20	<2	<5	<30	<3	<5	<1	0.0	0.02		
BLK	Blank	<0.01	<0.01	<0.01	<0.002	11	<5	<5	<20	<20	<2	<5	<30	<3	<5	<1	0.0	0.02		

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PHONE (604) 253-3158

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002942A.2

		AQ250 Mo ppm 0.01	AQ250 Cu ppm 0.01	AQ250 Pb ppm 0.01	AQ250 Zn ppm 0.1	AQ250 Ag ppb 2	AQ250 Ni ppm 0.1	AQ250 Co ppm 0.1	AQ250 Mn ppm 1	AQ250 Fe % 0.01	AQ250 As ppm 0.1	AQ250 U ppm 0.1	AQ250 Au ppb 0.2	AQ250 Th ppm 0.1	AQ250 Sr ppm 0.5	AQ250 Cd ppm 0.01	AQ250 Sb ppm 0.02	AQ250 Bi ppm 0.02	AQ250 V ppm 1	AQ250 Ca % 0.01	AQ250 P % 0.001
BLK	Blank																				
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Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002942A.2

		AQ250 La ppm 0.5	AQ250 Cr ppm 0.5	AQ250 Mg % 0.01	AQ250 Ba ppm 0.5	AQ250 Ti % 0.001	AQ250 B ppm 20	AQ250 Al % 0.01	AQ250 Na % 0.001	AQ250 K % 0.01	AQ250 W ppm 0.1	AQ250 Sc ppm 0.1	AQ250 Tl ppm 0.02	AQ250 S % 0.02	AQ250 Hg ppb 5	AQ250 Se ppm 0.1	AQ250 Te ppm 0.02	AQ250 Ga ppm 0.1	AQ250 Cs ppm 0.02	AQ250 Ge ppm 0.1	AQ250 Hf ppm 0.02
BLK	Blank																				
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Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002942A.2

		AQ250 Nb ppm 0.02	AQ250 Rb ppm 0.1	AQ250 Sn ppm 0.1	AQ250 Ta ppm 0.05	AQ250 Zr ppm 0.1	AQ250 Y ppm 0.01	AQ250 Ce ppm 0.1	AQ250 In ppm 0.02	AQ250 Re ppb 1	AQ250 Be ppm 0.1	AQ250 Li ppm 0.1	AQ250 Pd ppb 10	AQ250 Pt ppb 2	LF300 SiO2 % 0.01	LF300 Al2O3 % 0.01	LF300 Fe2O3 % 0.04	LF300 MgO % 0.01	LF300 CaO % 0.01	LF300 Na2O % 0.01	LF300 K2O % 0.01
BLK	Blank														0.03	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01
BLK	Blank														0.04	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01
BLK	Blank														0.03	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01

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3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: BG_RE_01
Report Date: January 14, 2020

QUALITY CONTROL REPORT VAN19002942A.2

		LF300 TiO2 % 0.01	LF300 P2O5 % 0.01	LF300 MnO % 0.01	LF300 Cr2O3 % 0.002	LF300 Cu ppm 5	LF300 Ba ppm 5	LF300 Zn ppm 5	LF300 Ni ppm 20	LF300 Co ppm 20	LF300 Sr ppm 2	LF300 Zr ppm 5	LF300 Ce ppm 30	LF300 Y ppm 3	LF300 Nb ppm 5	LF300 Sc ppm 1	LF300 LOI % -5.1	LF300 Sum % 0.01	TC000 TOT/C % 0.02	TC000 TOT/S % 0.02
BLK	Blank	<0.01	<0.01	<0.01	<0.002	<5	<5	<5	<20	<20	<2	<5	<30	<3	<5	<1	0.0	0.03		
BLK	Blank	<0.01	<0.01	<0.01	<0.002	10	<5	6	<20	<20	<2	<5	<30	<3	<5	<1	0.0	0.04		
BLK	Blank	<0.01	<0.01	<0.01	<0.002	7	<5	<5	<20	<20	<2	<5	<30	<3	<5	<1	0.0	0.05		

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www.bvna.com/mining-laboratory-services

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Submitted By:	Wayne Jackaman
Receiving Lab:	Canada-Vancouver
Received:	December 20, 2022
Analysis Start:	January 25, 2023
Report Date:	February 24, 2023
Page:	1 of 6

CERTIFICATE OF ANALYSIS VAN22003602.1

CLIENT JOB INFORMATION

Project:	CICGR22_TILL_RE_1
Shipment ID:	
P.O. Number	
Number of Samples:	132

SAMPLE DISPOSAL

IMM-PLP	Return immediately after analysis
IMM-RJT	Return immediately after analysis

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
SS230	126	Dry at 60C sieve 100g to -230 mesh			VAN
SLBHP	6	Sort, label and box pulps			VAN
HANDX	1	Special Handling - see Job Notes			VAN
SVRJT	126	Save all or part of Soil Reject			VAN
LF302-EXT	132	LiBO2/LiB4O7 fusion ICP-ES analysis	0.2	Completed	VAN
AQ250_EXT	132	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Noble Exploration Services Ltd.
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1
Canada

CC:

Martin Wong
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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www.bvna.com/mining-laboratory-services

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_1
Report Date: February 24, 2023

CERTIFICATE OF ANALYSIS VAN22003602.1

	Method	WGHT	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce
	Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30
GBC-10-001C	Till	1.32	68.70	12.41	5.37	1.79	2.65	2.74	1.57	0.78	0.21	0.09	0.020	37	1020	68	64	<20	358	206	46
GBC-10-002C	Till	0.93	69.45	13.43	4.01	1.31	1.76	2.98	2.07	1.00	0.15	0.05	0.015	14	889	61	30	<20	300	229	51
GBC-10-003C	Till	0.69	65.20	13.93	5.80	1.78	2.48	2.63	1.91	0.87	0.23	0.10	0.018	38	951	81	66	<20	349	186	69
GBC-10-004C	Till	0.83	70.71	12.46	4.23	1.49	1.77	2.70	1.79	0.90	0.15	0.05	0.015	19	968	55	45	<20	294	183	65
GBC-10-005C	Till	0.45	66.09	13.51	5.42	1.63	2.35	2.72	1.75	0.85	0.22	0.07	0.019	34	913	67	55	<20	351	200	42
GBC-10-006C	Till	0.75	71.69	12.46	3.51	1.52	1.95	2.72	1.68	0.91	0.14	0.05	0.015	18	896	56	45	<20	298	205	48
GBC-10-007C	Till	1.05	64.69	14.21	6.38	1.84	2.16	2.47	1.77	0.85	0.24	0.11	0.023	52	989	86	74	<20	317	202	51
GBC-10-008C	Till	0.72	68.85	12.87	5.09	1.52	2.20	2.75	1.61	0.85	0.16	0.07	0.020	31	890	57	55	<20	336	190	47
GBC-10-009C	Till	0.91	69.62	12.25	4.98	1.73	2.59	2.83	1.53	0.83	0.23	0.09	0.015	28	896	67	47	<20	359	169	67
GBC-10-010C	Till	0.92	67.98	13.12	5.59	1.52	2.29	2.70	1.69	0.92	0.19	0.08	0.022	41	910	62	49	<20	343	215	51
GBC-10-010-b	Rock Pulp	0.07	72.09	12.01	3.99	1.72	3.30	3.39	1.36	0.38	0.12	0.06	0.016	153	460	215	91	53	393	174	68
GBC-10-012C	Till	0.58	64.06	14.47	5.98	1.94	2.10	2.39	1.90	0.82	0.21	0.10	0.016	46	1013	85	69	<20	319	177	49
GBC-10-013C	Till	0.52	63.27	14.57	6.24	2.11	2.22	2.40	1.92	0.83	0.22	0.11	0.019	46	1039	89	77	<20	326	173	48
GBC-10-014C	Till	0.46	64.82	14.24	5.55	1.72	2.46	2.67	1.95	0.85	0.21	0.11	0.017	33	960	66	55	<20	347	213	55
GBC-10-015C	Till	0.63	64.61	13.26	6.34	2.52	1.56	2.05	1.62	0.76	0.17	0.08	0.045	50	990	110	133	<20	216	152	48
GBC-10-016C	Till	0.83	63.18	12.06	5.82	3.14	4.00	2.16	1.66	0.76	0.21	0.12	0.032	51	962	107	145	22	267	164	50
GBC-10-017C	Till	0.70	64.38	13.22	6.27	2.95	1.96	2.11	1.76	0.81	0.22	0.14	0.032	53	1026	110	161	20	238	179	49
GBC-10-018C	Till	0.71	67.13	11.65	5.33	2.70	2.84	1.96	1.71	0.76	0.20	0.10	0.024	41	859	79	108	<20	220	214	67
GBC-10-019C	Till	1.11	63.90	12.30	5.62	2.80	4.05	2.02	1.73	0.74	0.19	0.10	0.028	48	903	89	113	<20	250	205	66
GBC-10-022C	Till	0.67	63.11	14.48	6.70	2.28	1.58	1.93	1.86	0.80	0.18	0.08	0.030	59	943	95	113	<20	215	194	48
GBC-10-023C	Till	0.68	67.53	12.55	5.77	1.98	1.73	1.97	1.71	0.78	0.19	0.08	0.026	44	892	89	107	<20	210	234	65
GBC-10-024C	Till	0.93	65.83	12.83	5.90	2.38	1.98	1.99	1.70	0.78	0.20	0.12	0.027	49	939	87	137	<20	227	209	64
GBC-10-025C	Till	0.82	64.08	12.93	6.92	2.59	1.97	2.22	1.55	0.81	0.21	0.11	0.041	73	1079	133	173	24	252	172	<30
GBC-10-026C	Till	0.67	62.28	12.90	6.19	3.20	3.61	2.11	1.73	0.81	0.39	0.11	0.032	61	1205	109	132	23	278	170	34
GBC-10-027C	Till	0.59	64.56	12.92	6.64	2.76	2.18	2.24	1.63	0.80	0.21	0.12	0.032	67	1095	115	160	23	261	157	37
GBC-10-028C	Till	0.76	61.94	12.11	6.04	3.38	4.36	2.19	1.69	0.75	0.23	0.12	0.036	66	1020	121	157	26	293	154	33
GBC-10-029C	Till	0.98	62.03	12.09	6.16	3.40	4.35	2.20	1.60	0.76	0.22	0.12	0.036	81	1031	122	157	23	292	145	<30
GBC-10-030C	Till	0.93	64.78	12.75	6.54	2.90	2.21	2.26	1.65	0.77	0.22	0.13	0.036	67	1070	120	166	24	260	151	36
GBC-10-031C	Till	0.65	65.46	12.49	6.29	2.86	2.27	2.28	1.62	0.78	0.24	0.14	0.032	66	1083	121	168	25	266	153	57
GBC-10-032C	Till	0.72	61.59	10.63	5.42	4.06	5.65	2.00	1.30	0.70	0.19	0.10	0.036	53	1017	101	188	25	255	128	<30

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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: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_1
Report Date: February 24, 2023

CERTIFICATE OF ANALYSIS VAN22003602.1

	Method	LF300	LF300	LF300	LF300	LF300	TC000	TC000	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th
	Unit	ppm	ppm	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm
	MDL	3	5	1	-5.1	0.01	0.02	0.02	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1
GBC-10-001C	Till	21	12	13	3.4	99.94	0.12	<0.02	0.68	31.48	7.47	54.6	47	48.3	9.8	485	2.64	7.0	0.6	3.9	2.9
GBC-10-002C	Till	17	13	9	3.6	99.96	0.28	<0.02	0.42	9.60	7.00	42.7	16	18.3	6.0	223	1.84	2.7	0.5	1.0	2.7
GBC-10-003C	Till	23	<5	14	4.8	99.94	0.12	<0.02	0.56	31.34	7.92	67.8	46	46.1	11.8	626	3.02	7.2	0.5	1.5	3.5
GBC-10-004C	Till	16	14	11	3.5	99.96	0.30	<0.02	0.53	13.18	5.71	42.2	21	25.8	6.9	244	2.01	3.3	0.4	3.2	2.5
GBC-10-005C	Till	24	13	13	5.1	99.95	0.23	<0.02	0.47	29.27	6.91	57.1	58	36.7	7.9	349	2.77	5.3	0.7	0.9	3.4
GBC-10-006C	Till	16	10	10	3.1	99.95	0.26	<0.02	0.39	10.21	6.16	37.5	20	23.4	6.3	205	1.51	2.1	0.4	<0.2	2.2
GBC-10-007C	Till	21	9	15	5.0	99.94	0.21	<0.02	1.09	44.02	9.83	73.1	28	60.6	13.1	661	3.31	9.4	0.8	2.3	3.7
GBC-10-008C	Till	18	12	12	3.8	99.97	0.23	<0.02	0.56	27.13	6.08	46.1	35	35.5	8.1	385	2.56	5.8	0.6	1.5	2.8
GBC-10-009C	Till	21	9	12	3.1	99.96	0.10	<0.02	0.65	24.10	6.06	56.6	48	37.7	9.4	540	2.45	6.0	0.4	0.8	2.6
GBC-10-010C	Till	24	9	14	3.7	99.96	0.15	<0.02	0.61	32.58	6.01	50.5	19	37.0	8.4	414	2.80	7.0	0.7	1.8	3.2
GBC-10-010-b	Rock Pulp	10	21	9	1.3	99.96	0.07	0.04	12.58	148.10	281.42	214.9	98	79.6	50.2	260	1.50	9.7	0.5	42.5	3.6
GBC-10-012C	Till	22	8	15	5.8	99.94	0.27	<0.02	0.68	37.18	9.81	75.6	52	51.8	12.8	630	3.28	7.9	0.6	1.4	3.5
GBC-10-013C	Till	23	8	15	5.9	99.95	0.21	<0.02	0.82	41.54	10.07	82.7	49	62.5	14.4	691	3.44	8.4	0.7	1.6	3.6
GBC-10-014C	Till	22	10	14	5.2	99.94	0.40	<0.02	0.63	27.14	7.14	53.6	36	43.8	11.3	699	2.89	5.3	0.8	1.2	3.5
GBC-10-015C	Till	16	7	15	6.7	99.94	0.59	<0.02	0.74	45.18	6.56	96.7	48	107.0	15.1	507	3.66	10.5	0.6	2.1	3.3
GBC-10-016C	Till	22	<5	15	6.6	99.93	0.66	<0.02	0.93	45.68	7.76	98.4	54	120.8	19.4	776	3.19	10.4	0.6	1.7	3.5
GBC-10-017C	Till	23	15	16	5.9	99.92	0.23	<0.02	0.85	47.04	9.16	102.7	61	137.9	20.7	911	3.50	10.8	0.5	0.7	3.8
GBC-10-018C	Till	23	13	14	5.4	99.93	0.45	<0.02	0.52	34.70	8.45	71.6	31	92.7	15.1	637	2.89	6.3	0.4	3.1	4.7
GBC-10-019C	Till	22	10	14	6.3	99.94	0.71	<0.02	0.71	39.05	8.43	83.7	39	96.6	16.8	652	3.04	8.9	0.5	1.2	4.3
GBC-10-022C	Till	22	<5	17	6.7	99.93	0.37	<0.02	0.67	49.39	8.95	88.2	65	87.3	15.0	536	3.77	9.7	0.8	2.2	5.1
GBC-10-023C	Till	27	13	15	5.4	99.93	0.27	<0.02	0.54	39.13	8.16	65.0	35	90.8	12.8	464	3.20	7.6	0.5	1.6	5.1
GBC-10-024C	Till	25	8	15	6.0	99.93	0.23	<0.02	0.61	40.80	8.32	75.7	80	116.2	17.1	785	3.28	7.9	0.5	1.8	4.9
GBC-10-025C	Till	25	11	18	6.3	99.93	0.31	<0.02	1.32	68.34	7.66	126.6	37	148.4	19.6	738	4.01	15.1	0.7	2.8	3.1
GBC-10-026C	Till	25	8	17	6.3	99.92	0.52	<0.02	1.09	55.00	8.66	104.7	117	115.6	19.8	761	3.53	12.1	0.5	1.9	2.8
GBC-10-027C	Till	25	7	18	5.6	99.93	0.26	<0.02	1.09	59.21	8.14	104.8	48	137.1	20.0	793	3.73	12.7	0.5	2.7	3.3
GBC-10-028C	Till	22	7	16	6.9	99.92	0.81	<0.02	1.85	55.16	8.02	111.6	117	135.1	22.2	834	3.40	13.2	0.7	2.3	3.2
GBC-10-029C	Till	21	9	16	6.7	99.91	0.84	<0.02	1.68	55.05	7.92	112.4	122	131.9	21.9	818	3.35	12.6	0.6	2.1	3.0
GBC-10-030C	Till	24	5	18	5.5	99.93	0.24	<0.02	1.23	58.98	8.24	109.5	68	139.9	21.3	904	3.63	13.6	0.5	2.2	3.0
GBC-10-031C	Till	24	8	17	5.2	99.93	0.21	<0.02	1.35	52.77	8.15	110.2	84	146.2	21.1	955	3.47	11.9	0.6	3.0	3.1
GBC-10-032C	Till	20	8	14	8.0	99.91	1.29	<0.02	1.48	47.23	7.38	89.4	94	151.4	19.3	653	2.95	10.1	0.6	2.9	2.5

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Project: CICGR22_TILL_RE_1
Report Date: February 24, 2023

CERTIFICATE OF ANALYSIS VAN22003602.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S
	Unit	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%
	MDL	0.5	0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02
GBC-10-001C	Till	40.9	0.18	0.51	0.12	57	0.41	0.084	14.8	48.8	0.52	219.4	0.088	<20	0.95	0.018	0.09	<0.1	5.3	0.11	<0.02
GBC-10-002C	Till	20.3	0.02	0.20	0.10	47	0.25	0.059	11.2	26.5	0.41	100.6	0.097	<20	1.13	0.012	0.04	<0.1	2.8	0.07	<0.02
GBC-10-003C	Till	44.3	0.20	0.46	0.12	65	0.50	0.093	15.9	41.6	0.62	192.9	0.089	<20	1.27	0.023	0.10	<0.1	6.3	0.12	<0.02
GBC-10-004C	Till	23.3	0.03	0.27	0.07	49	0.26	0.055	10.1	35.5	0.45	109.0	0.097	<20	0.96	0.010	0.06	<0.1	2.9	0.08	<0.02
GBC-10-005C	Till	45.9	0.05	0.43	0.10	58	0.44	0.084	17.8	48.5	0.55	181.7	0.090	<20	1.27	0.025	0.07	<0.1	6.3	0.10	<0.02
GBC-10-006C	Till	21.0	0.02	0.16	0.08	35	0.24	0.057	8.9	30.4	0.41	110.8	0.086	<20	1.00	0.010	0.05	<0.1	2.3	0.07	<0.02
GBC-10-007C	Till	37.9	0.16	0.56	0.13	67	0.40	0.096	15.8	59.9	0.62	227.4	0.094	<20	1.58	0.012	0.12	<0.1	8.0	0.14	<0.02
GBC-10-008C	Till	35.8	0.07	0.40	0.08	57	0.35	0.062	14.0	48.2	0.47	147.3	0.103	<20	1.11	0.013	0.08	<0.1	5.6	0.10	<0.02
GBC-10-009C	Till	38.6	0.23	0.45	0.08	52	0.45	0.090	13.1	38.2	0.51	153.4	0.088	<20	0.85	0.020	0.06	<0.1	4.2	0.08	<0.02
GBC-10-010C	Till	42.4	0.10	0.48	0.09	64	0.37	0.082	17.1	49.4	0.46	182.7	0.105	<20	1.14	0.012	0.08	<0.1	6.5	0.10	<0.02
GBC-10-010-b	Rock Pulp	29.8	0.52	0.19	0.15	22	0.50	0.057	26.2	30.5	0.44	61.1	0.071	<20	0.73	0.075	0.11	<0.1	2.8	0.08	0.04
GBC-10-012C	Till	50.5	0.11	0.46	0.16	66	0.49	0.081	16.5	55.8	0.74	234.2	0.091	<20	1.59	0.020	0.12	<0.1	7.6	0.13	<0.02
GBC-10-013C	Till	52.1	0.12	0.52	0.14	71	0.52	0.088	17.3	61.7	0.81	241.9	0.093	<20	1.61	0.024	0.12	<0.1	7.8	0.14	<0.02
GBC-10-014C	Till	41.4	0.15	0.37	0.12	63	0.50	0.081	17.1	48.9	0.60	192.5	0.099	<20	1.47	0.018	0.12	<0.1	6.6	0.13	<0.02
GBC-10-015C	Till	29.2	0.15	0.67	0.10	72	0.41	0.063	11.1	112.3	0.99	228.2	0.097	<20	2.01	0.008	0.10	<0.1	7.2	0.19	<0.02
GBC-10-016C	Till	68.3	0.73	0.76	0.13	63	1.94	0.086	13.8	80.0	1.33	244.2	0.098	<20	1.43	0.016	0.11	<0.1	7.3	0.22	<0.02
GBC-10-017C	Till	42.6	0.44	0.76	0.14	67	0.60	0.087	14.9	81.1	1.19	261.1	0.095	<20	1.67	0.015	0.10	<0.1	7.6	0.21	<0.02
GBC-10-018C	Till	47.9	0.30	0.53	0.12	51	1.27	0.081	15.9	68.2	1.13	207.1	0.078	<20	1.33	0.012	0.10	<0.1	5.5	0.15	<0.02
GBC-10-019C	Till	62.0	0.50	0.55	0.13	56	2.03	0.081	14.5	68.5	1.16	239.9	0.080	<20	1.41	0.014	0.12	<0.1	6.2	0.15	<0.02
GBC-10-022C	Till	33.5	0.11	0.47	0.17	68	0.44	0.070	16.6	84.4	0.89	235.5	0.102	<20	2.09	0.011	0.12	<0.1	8.7	0.18	<0.02
GBC-10-023C	Till	32.5	0.08	0.53	0.16	56	0.51	0.076	19.4	74.8	0.74	265.2	0.084	<20	1.66	0.016	0.10	<0.1	7.1	0.13	<0.02
GBC-10-024C	Till	38.7	0.15	0.48	0.14	60	0.58	0.081	16.8	77.2	0.95	295.0	0.083	<20	1.69	0.015	0.11	<0.1	7.0	0.14	<0.02
GBC-10-025C	Till	42.3	0.39	0.94	0.12	81	0.56	0.089	15.1	114.0	1.02	297.9	0.101	<20	1.78	0.011	0.09	<0.1	10.1	0.29	<0.02
GBC-10-026C	Till	66.5	0.49	0.77	0.16	82	1.59	0.165	12.0	92.4	1.40	256.6	0.103	<20	2.07	0.039	0.11	0.1	7.8	0.29	<0.02
GBC-10-027C	Till	43.9	0.38	0.86	0.12	78	0.65	0.084	14.8	93.1	1.09	288.4	0.103	<20	1.75	0.015	0.10	<0.1	8.8	0.21	<0.02
GBC-10-028C	Till	85.1	1.01	0.91	0.13	72	2.19	0.087	12.7	88.9	1.46	228.5	0.104	<20	1.51	0.017	0.13	<0.1	8.0	0.28	<0.02
GBC-10-029C	Till	83.1	0.98	0.90	0.13	70	2.16	0.089	12.2	88.3	1.44	212.6	0.099	<20	1.48	0.016	0.12	<0.1	7.6	0.30	<0.02
GBC-10-030C	Till	44.0	0.51	0.92	0.13	76	0.67	0.090	13.8	91.0	1.12	251.8	0.099	<20	1.64	0.017	0.10	<0.1	8.8	0.26	<0.02
GBC-10-031C	Till	45.2	0.77	0.86	0.13	73	0.67	0.095	12.9	84.3	1.11	235.9	0.101	<20	1.53	0.016	0.10	<0.1	8.0	0.30	<0.02
GBC-10-032C	Till	87.7	0.56	0.72	0.12	54	3.13	0.078	11.2	105.6	1.80	305.8	0.079	<20	1.27	0.016	0.09	<0.1	6.1	0.20	<0.02

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Project: CICGR22_TILL_RE_1
Report Date: February 24, 2023

CERTIFICATE OF ANALYSIS VAN22003602.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
GBC-10-001C	Till	45	0.2	<0.02	3.1	0.74	<0.1	0.19	0.08	5.7	0.8	<0.05	9.2	11.11	26.1	0.02	<1	0.3	6.9	<10	<2
GBC-10-002C	Till	17	0.1	<0.02	3.5	0.76	<0.1	0.11	0.28	5.4	0.5	<0.05	5.1	4.76	21.9	<0.02	<1	0.3	9.6	<10	<2
GBC-10-003C	Till	47	0.2	0.03	3.8	1.10	<0.1	0.30	0.04	6.7	0.7	<0.05	11.1	12.13	30.4	0.03	<1	0.3	9.1	<10	3
GBC-10-004C	Till	16	0.1	<0.02	3.3	0.76	<0.1	0.08	0.31	7.7	0.6	<0.05	4.1	4.54	19.9	<0.02	<1	0.4	8.1	<10	3
GBC-10-005C	Till	81	0.1	<0.02	4.0	1.04	<0.1	0.24	0.06	5.9	0.6	<0.05	11.4	13.50	28.4	0.03	<1	0.5	8.1	<10	2
GBC-10-006C	Till	9	<0.1	<0.02	3.1	0.64	<0.1	0.12	0.25	5.6	0.5	<0.05	4.9	3.99	17.2	<0.02	<1	0.2	9.4	<10	<2
GBC-10-007C	Till	58	0.3	0.03	4.4	1.02	<0.1	0.15	0.11	8.0	1.0	<0.05	10.7	9.73	32.6	0.02	<1	0.7	8.3	<10	3
GBC-10-008C	Till	48	0.2	0.02	3.5	0.74	<0.1	0.18	0.14	6.0	0.7	<0.05	9.4	8.38	27.6	<0.02	<1	0.6	6.2	<10	3
GBC-10-009C	Till	44	0.2	<0.02	2.9	0.71	<0.1	0.29	0.04	4.6	0.6	<0.05	9.0	8.60	24.6	<0.02	<1	0.2	6.9	<10	<2
GBC-10-010C	Till	65	0.4	<0.02	3.7	0.96	<0.1	0.27	0.10	6.3	0.4	<0.05	11.6	11.98	31.9	0.03	<1	0.5	6.0	<10	2
GBC-10-010-b	Rock Pulp	14	0.2	<0.02	2.6	1.14	<0.1	0.18	0.28	6.9	2.3	<0.05	5.6	5.03	41.8	0.04	<1	0.3	9.5	44	40
GBC-10-012C	Till	50	0.2	0.02	5.0	1.40	<0.1	0.19	0.07	9.0	0.8	<0.05	9.9	11.34	29.9	0.03	1	0.5	10.3	<10	<2
GBC-10-013C	Till	49	0.3	0.04	4.8	1.52	<0.1	0.28	0.05	9.2	1.0	<0.05	12.3	13.09	30.1	0.04	<1	0.5	10.7	22	2
GBC-10-014C	Till	38	0.2	0.03	4.3	1.14	<0.1	0.21	0.16	9.1	0.5	<0.05	11.0	11.21	28.7	0.03	<1	0.4	8.5	16	<2
GBC-10-015C	Till	205	0.4	0.02	5.2	0.74	<0.1	0.11	0.27	6.1	0.4	<0.05	5.5	5.71	21.6	0.03	<1	0.6	11.3	<10	<2
GBC-10-016C	Till	184	0.3	0.05	4.3	0.99	<0.1	0.30	0.05	7.1	0.4	<0.05	9.4	10.19	26.5	0.02	<1	0.5	13.4	<10	4
GBC-10-017C	Till	144	0.2	0.03	5.1	1.10	<0.1	0.25	0.05	6.8	0.4	<0.05	9.0	10.65	28.9	0.04	<1	0.3	14.0	<10	<2
GBC-10-018C	Till	139	0.1	0.03	4.0	0.79	<0.1	0.21	0.03	6.4	0.3	<0.05	8.0	9.56	30.7	0.03	<1	0.3	14.3	<10	<2
GBC-10-019C	Till	89	0.3	0.03	4.3	0.96	<0.1	0.23	0.04	7.7	0.3	<0.05	9.0	9.35	27.4	0.02	<1	0.4	13.3	<10	3
GBC-10-022C	Till	151	0.4	0.05	5.8	1.23	<0.1	0.17	0.14	9.2	0.4	<0.05	7.6	8.81	30.6	0.03	<1	0.4	16.5	<10	<2
GBC-10-023C	Till	98	0.3	0.02	4.7	0.91	<0.1	0.13	0.10	7.6	0.3	<0.05	7.5	12.58	32.1	0.03	<1	0.8	11.7	<10	<2
GBC-10-024C	Till	94	0.3	0.04	5.2	1.02	<0.1	0.19	0.05	7.0	0.4	<0.05	8.6	11.95	31.6	0.04	<1	0.5	15.0	<10	<2
GBC-10-025C	Till	247	0.8	0.04	5.1	0.70	<0.1	0.13	0.09	5.5	0.4	<0.05	6.9	13.60	27.0	0.03	<1	0.7	11.3	<10	<2
GBC-10-026C	Till	211	0.4	0.04	5.9	1.30	<0.1	0.19	0.05	7.4	0.4	<0.05	8.6	10.37	23.5	0.04	<1	0.7	26.4	<10	2
GBC-10-027C	Till	223	0.3	0.04	5.2	0.85	<0.1	0.15	0.07	6.1	0.4	<0.05	8.1	13.93	26.2	0.03	1	0.5	11.9	<10	4
GBC-10-028C	Till	243	0.4	0.04	4.8	1.00	<0.1	0.28	0.04	7.9	0.3	<0.05	9.5	10.68	24.8	0.03	1	0.3	12.1	<10	3
GBC-10-029C	Till	228	0.4	0.04	4.4	0.98	<0.1	0.26	0.04	7.7	0.4	<0.05	9.5	10.40	23.2	0.04	2	0.4	12.0	<10	2
GBC-10-030C	Till	312	0.4	0.03	4.8	0.96	<0.1	0.18	0.05	6.4	0.4	<0.05	8.3	12.07	26.0	0.03	<1	0.5	12.3	<10	2
GBC-10-031C	Till	212	0.2	0.03	4.6	1.10	<0.1	0.20	0.05	7.9	0.4	<0.05	8.6	11.05	25.5	0.03	<1	0.4	12.4	13	2
GBC-10-032C	Till	145	0.5	0.03	3.8	0.79	<0.1	0.16	0.06	5.2	0.3	<0.05	6.9	9.25	22.1	0.03	<1	0.4	10.6	<10	5

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_1
Report Date: February 24, 2023

CERTIFICATE OF ANALYSIS VAN22003602.1

	Method	WGHT	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce
	Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30
GBC-10-033C	Till	0.67	63.14	11.57	5.64	3.77	4.18	2.10	1.36	0.74	0.19	0.11	0.035	53	942	101	178	23	245	148	38
GBC-10-034C	Till	1.06	65.21	11.40	5.64	3.52	3.71	2.22	1.41	0.77	0.20	0.10	0.041	51	958	98	173	21	254	173	39
GBC-10-035C	Till	0.91	71.03	11.16	4.97	2.10	1.89	2.22	1.32	0.69	0.19	0.15	0.027	50	1091	147	97	<20	241	144	31
GBC-10-035-b	Rock Pulp	0.07	72.47	12.10	3.78	1.67	3.46	3.46	1.44	0.37	0.12	0.06	0.008	31	460	33	31	<20	399	161	40
GBC-10-036C	Till	0.80	66.38	12.09	5.46	2.56	3.10	2.24	1.61	0.76	0.21	0.10	0.025	53	1110	96	91	<20	257	170	41
GBC-10-037C	Till	0.81	64.67	13.44	6.40	2.56	1.92	2.04	1.59	0.82	0.22	0.13	0.022	76	1129	114	90	<20	247	151	35
GBC-10-038C	Till	0.71	70.87	11.63	5.00	1.81	1.51	2.19	1.39	0.82	0.16	0.09	0.022	45	1052	77	65	<20	223	159	41
GBC-10-039C	Till	0.66	68.88	11.59	5.64	2.39	1.68	1.93	1.46	0.67	0.17	0.12	0.028	64	1230	100	113	<20	191	129	<30
GBC-10-040C	Till	0.64	64.75	13.52	6.36	2.49	1.71	1.95	1.60	0.77	0.19	0.11	0.024	70	1180	113	123	<20	237	158	33
GBC-10-042C	Till	0.64	62.94	14.21	7.26	2.28	1.36	1.73	1.55	0.78	0.13	0.10	0.021	89	1110	107	80	<20	193	150	<30
GBC-10-043C	Till	0.60	59.50	15.60	7.29	2.48	1.48	1.81	1.68	0.77	0.17	0.13	0.019	78	1418	112	81	<20	212	148	32
GBC-10-044C	Till	0.76	59.21	16.52	6.87	2.18	1.19	1.72	1.94	0.78	0.14	0.08	0.017	59	982	104	61	<20	197	145	<30
GBC-10-045C	Till	0.82	58.12	17.04	7.45	2.27	1.15	1.60	1.94	0.78	0.13	0.08	0.016	916	993	111	59	<20	194	151	42
GBC-10-046C	Till	0.79	59.17	16.39	7.23	2.45	1.49	1.85	1.61	0.82	0.12	0.08	0.022	68	870	95	67	<20	205	154	35
GBC-10-046-b	Rock Pulp	0.07	71.99	12.12	4.02	1.72	3.30	3.47	1.43	0.38	0.13	0.07	0.018	158	471	225	89	51	403	174	54
GBC-10-048C	Till	0.72	56.16	17.67	7.37	2.62	1.80	1.73	1.82	0.93	0.14	0.13	0.012	80	1549	137	81	<20	275	158	36
GBC-10-049C	Till	0.78	62.98	15.17	6.50	1.99	1.59	2.11	1.63	0.83	0.19	0.10	0.014	59	960	117	71	<20	251	154	41
GBC-10-050C	Till	0.56	58.37	17.60	7.14	2.07	0.97	1.52	1.95	0.81	0.13	0.09	0.014	62	917	112	55	<20	208	135	<30
GBC-10-051C	Till	0.85	67.58	13.37	4.83	1.81	2.13	2.81	1.84	0.81	0.21	0.07	0.020	44	1067	80	48	<20	354	168	40
GBC-10-052C	Till	0.68	70.18	12.55	4.08	1.68	2.04	2.93	1.62	0.88	0.22	0.05	0.018	38	998	56	39	<20	333	144	62
GBC-10-053C	Till	0.78	67.23	12.74	5.60	1.89	2.53	2.83	1.70	0.76	0.25	0.11	0.027	57	1108	80	70	<20	374	163	44
GBC-10-054C	Till	0.84	64.95	13.17	6.21	2.28	2.48	2.66	1.90	0.73	0.26	0.13	0.021	69	1157	99	74	<20	358	141	44
GBC-10-055C	Till	0.72	67.45	13.07	4.94	1.97	2.16	2.74	1.76	0.77	0.20	0.06	0.024	47	1025	66	52	<20	348	143	48
GBC-10-056C	Till	1.03	65.39	13.08	6.04	2.50	2.28	2.55	1.70	0.79	0.26	0.12	0.023	66	1029	112	86	<20	300	144	38
GBC-10-057C	Till	0.59	59.98	15.17	8.20	2.72	1.35	1.32	2.46	0.87	0.24	0.21	0.022	108	1166	195	110	23	116	236	77
GBC-10-058C	Till	0.92	58.74	15.21	6.36	2.08	4.53	1.38	2.58	0.76	0.20	0.09	0.013	43	836	104	52	<20	216	233	79
GBC-10-059C	Till	0.81	71.19	11.52	4.37	1.73	2.53	2.23	1.67	0.78	0.28	0.07	0.017	36	984	72	41	<20	286	228	51
GBC-10-062C	Till	0.65	63.44	13.63	6.99	2.57	2.48	2.11	1.97	0.81	0.28	0.13	0.023	95	1061	112	60	20	279	189	51
GBC-10-063C	Till	0.64	62.30	13.76	7.45	2.51	2.53	1.84	2.01	0.78	0.29	0.13	0.023	97	1101	155	68	<20	250	181	55
GBC-10-064C	Till	1.05	62.60	13.72	6.79	2.53	3.06	1.76	2.29	0.74	0.25	0.12	0.015	80	1143	126	57	<20	257	191	57

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BUREAU VERITAS MINERAL LABORATORIES Canada

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_1
Report Date: February 24, 2023

CERTIFICATE OF ANALYSIS VAN22003602.1

	Method	LF300	LF300	LF300	LF300	LF300	TC000	TC000	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th
	Unit	ppm	ppm	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm
	MDL	3	5	1	-5.1	0.01	0.02	0.02	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1
GBC-10-033C	Till	22	10	14	6.9	99.90	0.86	<0.02	0.88	45.10	7.50	90.2	70	148.5	19.9	710	3.13	9.9	0.5	1.5	2.6
GBC-10-034C	Till	22	7	14	5.5	99.92	0.61	<0.02	1.04	45.11	7.38	86.0	74	140.3	19.0	645	3.07	11.4	0.5	1.5	2.5
GBC-10-035C	Till	22	5	13	4.0	99.96	0.26	<0.02	0.95	43.85	7.09	136.4	105	78.9	13.7	1057	2.74	8.6	0.5	1.9	2.4
GBC-10-035-b	Rock Pulp	10	<5	9	0.9	99.97	0.07	<0.02	0.67	21.85	1.99	20.1	17	15.9	5.6	245	1.36	0.6	0.4	<0.2	2.9
GBC-10-036C	Till	23	7	14	5.2	99.93	0.47	<0.02	1.19	46.13	8.10	88.6	107	76.9	16.4	691	3.01	10.0	0.5	0.9	3.0
GBC-10-037C	Till	25	8	18	5.9	99.94	0.27	<0.02	1.24	59.43	9.57	106.2	122	71.8	16.8	848	3.64	24.8	0.5	4.0	2.8
GBC-10-038C	Till	21	7	13	4.3	99.95	0.28	<0.02	0.77	36.82	6.61	63.8	39	51.2	11.5	636	2.82	8.2	0.5	2.5	2.1
GBC-10-039C	Till	23	13	15	5.1	99.93	0.29	<0.02	1.08	56.11	7.15	84.0	86	105.8	15.1	835	3.18	8.8	0.4	2.4	2.2
GBC-10-040C	Till	25	14	17	6.2	99.94	0.38	<0.02	1.12	62.14	8.53	96.5	79	107.4	14.6	722	3.60	11.1	0.6	2.5	2.7
GBC-10-042C	Till	25	15	20	7.4	99.92	0.42	<0.02	1.20	75.85	8.36	89.7	69	68.4	14.1	712	4.13	12.9	0.6	3.5	2.6
GBC-10-043C	Till	35	8	21	8.8	99.94	0.72	<0.02	1.11	68.74	8.95	94.3	170	69.5	17.9	940	4.10	11.7	0.5	2.2	2.4
GBC-10-044C	Till	24	6	20	9.1	99.94	0.99	<0.02	0.99	50.98	9.25	85.4	167	49.3	13.8	557	3.92	10.4	0.6	1.8	2.2
GBC-10-045C	Till	21	12	21	9.1	99.94	0.72	<0.02	1.06	57.87	9.39	90.7	133	51.4	13.9	595	4.20	11.9	0.6	1.9	2.4
GBC-10-046C	Till	22	8	21	8.5	99.93	0.62	<0.02	1.09	58.23	8.55	79.7	69	55.1	13.3	553	4.07	11.3	0.5	1.5	2.4
GBC-10-046-b	Rock Pulp	11	16	9	1.1	99.97	0.07	0.04	11.75	157.66	260.68	207.0	105	78.3	48.9	268	1.54	9.5	0.4	34.3	2.9
GBC-10-048C	Till	38	10	21	9.3	99.94	0.75	0.02	1.02	65.81	9.82	110.5	331	70.4	17.7	875	4.13	12.6	0.6	1.4	2.2
GBC-10-049C	Till	31	7	18	6.7	99.94	0.39	<0.02	0.84	50.60	9.21	90.1	106	57.0	13.0	696	3.70	11.2	0.5	1.8	2.4
GBC-10-050C	Till	28	11	20	9.1	99.95	0.64	<0.02	0.71	54.87	9.09	94.5	199	48.3	12.8	644	4.14	11.4	0.9	1.8	2.2
GBC-10-051C	Till	19	6	15	4.3	99.95	0.27	<0.02	0.60	35.53	5.11	51.6	14	37.5	9.0	375	2.56	6.4	0.5	2.7	2.4
GBC-10-052C	Till	21	15	14	3.5	99.95	0.21	<0.02	0.26	30.58	4.56	43.3	20	28.1	6.8	286	2.13	3.5	0.5	2.6	2.3
GBC-10-053C	Till	24	9	16	4.1	99.95	0.16	<0.02	0.68	46.96	5.67	66.7	27	59.5	12.8	713	3.02	10.1	0.5	2.6	2.4
GBC-10-054C	Till	22	9	17	4.9	99.94	0.20	<0.02	1.18	59.12	6.84	84.2	68	64.1	15.5	841	3.40	11.9	0.4	3.9	2.6
GBC-10-055C	Till	19	8	15	4.6	99.95	0.38	<0.02	0.45	37.73	4.78	52.3	70	41.1	8.2	342	2.66	7.0	0.7	2.1	2.2
GBC-10-056C	Till	21	<5	17	5.0	99.94	0.18	<0.02	0.83	52.93	7.28	93.9	100	74.5	15.8	826	3.35	10.8	0.4	2.5	2.4
GBC-10-057C	Till	36	14	22	7.1	99.92	0.61	<0.02	6.26	97.31	19.18	163.7	606	99.0	21.7	1506	4.69	16.9	0.6	3.7	7.0
GBC-10-058C	Till	28	7	15	7.8	99.93	0.96	<0.02	1.15	38.47	12.40	92.1	86	46.1	14.2	645	3.49	9.4	0.6	2.2	8.0
GBC-10-059C	Till	27	7	14	3.4	99.95	0.41	<0.02	1.06	30.36	4.76	57.2	81	33.1	8.4	373	2.15	6.9	0.6	2.7	2.6
GBC-10-062C	Till	28	12	20	5.3	99.92	0.32	<0.02	1.63	84.14	8.22	94.0	316	54.3	17.3	806	3.71	15.1	0.7	3.3	3.5
GBC-10-063C	Till	29	9	20	6.1	99.92	0.25	<0.02	2.47	89.66	9.55	119.5	202	62.1	18.6	914	4.18	24.5	0.6	3.9	4.2
GBC-10-064C	Till	24	14	18	5.8	99.89	0.40	<0.02	2.23	79.72	9.61	116.0	280	55.0	16.9	799	3.73	15.3	0.6	3.3	4.6

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	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S
	Unit	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%
	MDL	0.5	0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02
GBC-10-033C	Till	66.3	0.53	0.56	0.10	59	2.20	0.077	11.5	104.0	1.69	244.7	0.078	<20	1.44	0.017	0.09	<0.1	6.6	0.17	<0.02
GBC-10-034C	Till	58.1	0.57	0.58	0.12	56	1.70	0.077	11.2	99.9	1.47	248.5	0.077	<20	1.24	0.013	0.09	<0.1	6.4	0.17	<0.02
GBC-10-035C	Till	29.1	0.52	0.68	0.10	54	0.45	0.075	12.5	67.8	0.76	405.1	0.077	<20	1.21	0.015	0.08	<0.1	5.9	0.13	<0.02
GBC-10-035-b	Rock Pulp	25.5	0.03	0.06	<0.02	21	0.59	0.053	14.9	25.0	0.43	52.5	0.068	<20	0.70	0.069	0.11	<0.1	2.4	0.06	<0.02
GBC-10-036C	Till	60.0	0.44	1.03	0.11	57	1.40	0.085	12.2	63.0	1.02	389.0	0.070	<20	1.33	0.015	0.11	<0.1	5.9	0.14	<0.02
GBC-10-037C	Till	41.5	0.51	1.56	0.31	71	0.59	0.088	12.6	65.2	0.98	379.9	0.081	<20	1.68	0.022	0.10	0.2	8.1	0.17	<0.02
GBC-10-038C	Till	25.9	0.17	0.66	0.11	57	0.36	0.062	12.4	60.9	0.64	312.9	0.092	<20	1.36	0.011	0.07	<0.1	5.7	0.11	<0.02
GBC-10-039C	Till	28.8	0.37	0.73	0.17	62	0.50	0.065	11.3	79.4	0.93	463.2	0.083	<20	1.62	0.019	0.13	<0.1	7.1	0.18	<0.02
GBC-10-040C	Till	38.8	0.23	0.83	0.14	68	0.47	0.073	15.1	80.7	0.94	406.6	0.072	<20	1.82	0.016	0.11	<0.1	8.0	0.17	<0.02
GBC-10-042C	Till	33.3	0.12	0.64	0.15	82	0.41	0.047	12.7	68.0	0.92	357.3	0.075	<20	2.10	0.018	0.10	<0.1	10.3	0.17	<0.02
GBC-10-043C	Till	47.4	0.10	0.53	0.15	77	0.49	0.062	14.8	61.8	1.06	758.2	0.062	<20	2.26	0.026	0.13	<0.1	10.7	0.14	<0.02
GBC-10-044C	Till	39.0	0.06	0.49	0.15	73	0.42	0.046	11.1	55.8	0.91	250.2	0.040	<20	2.29	0.016	0.15	<0.1	9.7	0.14	<0.02
GBC-10-045C	Till	39.6	0.05	0.51	0.15	76	0.42	0.045	10.3	58.5	0.95	265.1	0.040	<20	2.39	0.016	0.15	<0.1	10.1	0.14	<0.02
GBC-10-046C	Till	35.4	0.08	0.48	0.13	78	0.36	0.043	12.1	71.6	0.96	237.2	0.064	<20	2.30	0.022	0.10	<0.1	10.1	0.14	<0.02
GBC-10-046-b	Rock Pulp	29.8	0.50	0.18	0.13	23	0.53	0.051	23.5	29.6	0.45	52.9	0.069	<20	0.76	0.082	0.11	<0.1	2.7	0.08	0.04
GBC-10-048C	Till	82.0	0.08	0.60	0.15	82	0.59	0.052	14.8	46.4	1.07	596.4	0.041	<20	2.60	0.070	0.11	<0.1	9.7	0.12	0.02
GBC-10-049C	Till	48.4	0.11	0.54	0.13	71	0.51	0.072	15.0	49.2	0.81	269.4	0.059	<20	1.86	0.026	0.09	<0.1	8.3	0.13	<0.02
GBC-10-050C	Till	56.0	0.04	0.47	0.15	71	0.49	0.049	13.0	39.4	0.95	272.7	0.031	<20	2.42	0.023	0.15	<0.1	9.8	0.13	<0.02
GBC-10-051C	Till	36.5	0.12	0.43	0.09	70	0.49	0.078	12.8	48.9	0.63	176.5	0.115	<20	1.71	0.015	0.07	<0.1	5.8	0.11	<0.02
GBC-10-052C	Till	42.4	0.05	0.31	0.07	56	0.54	0.086	14.8	44.1	0.59	169.4	0.116	<20	1.36	0.016	0.05	<0.1	5.7	0.09	<0.02
GBC-10-053C	Till	48.4	0.24	0.74	0.08	79	0.65	0.100	13.9	56.4	0.67	230.0	0.119	<20	1.48	0.021	0.08	<0.1	7.8	0.16	<0.02
GBC-10-054C	Till	48.6	0.46	0.90	0.13	87	0.69	0.107	13.0	57.4	0.89	229.8	0.115	<20	1.70	0.025	0.13	<0.1	8.4	0.19	<0.02
GBC-10-055C	Till	44.8	0.05	0.47	0.08	69	0.56	0.076	12.6	56.1	0.75	165.7	0.117	<20	1.55	0.015	0.07	<0.1	7.1	0.11	<0.02
GBC-10-056C	Till	47.3	0.55	0.94	0.10	76	0.70	0.099	12.7	60.6	0.98	196.7	0.104	<20	1.60	0.020	0.10	<0.1	7.5	0.19	<0.02
GBC-10-057C	Till	30.1	1.06	2.01	0.30	64	0.55	0.094	15.8	63.9	1.15	174.1	0.058	<20	1.98	0.007	0.10	<0.1	8.4	0.16	<0.02
GBC-10-058C	Till	76.1	0.38	0.74	0.21	41	2.63	0.079	21.2	35.6	0.88	154.0	0.044	<20	1.62	0.010	0.13	<0.1	5.0	0.13	<0.02
GBC-10-059C	Till	29.7	0.32	0.74	0.10	48	0.49	0.112	13.4	37.7	0.49	102.9	0.066	<20	1.08	0.009	0.05	0.1	3.9	0.08	<0.02
GBC-10-062C	Till	40.1	0.35	1.25	0.15	82	0.58	0.116	14.8	68.4	0.95	156.4	0.106	<20	1.84	0.013	0.15	0.1	8.8	0.18	<0.02
GBC-10-063C	Till	42.7	0.64	1.61	0.18	85	0.75	0.119	15.9	57.8	0.96	193.6	0.084	<20	1.92	0.015	0.15	0.1	8.8	0.19	<0.02
GBC-10-064C	Till	51.4	0.73	1.35	0.18	74	1.20	0.110	15.0	49.4	0.99	219.9	0.093	<20	1.79	0.016	0.20	0.1	7.1	0.21	<0.02

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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Project: CICGR22_TILL_RE_1
Report Date: February 24, 2023

CERTIFICATE OF ANALYSIS VAN22003602.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
GBC-10-033C	Till	138	0.2	0.06	4.3	0.90	<0.1	0.22	0.04	5.7	0.3	<0.05	7.1	9.29	22.2	0.03	1	0.4	11.5	<10	3
GBC-10-034C	Till	150	0.4	0.04	3.7	0.77	<0.1	0.22	0.03	5.1	0.3	<0.05	6.7	9.13	22.3	0.03	<1	0.4	10.4	<10	<2
GBC-10-035C	Till	96	0.3	0.03	3.8	0.93	<0.1	0.13	0.07	5.0	0.3	<0.05	6.0	9.81	23.0	0.02	<1	0.4	8.8	<10	<2
GBC-10-035-b	Rock Pulp	6	0.3	<0.02	2.4	0.34	<0.1	0.17	0.14	5.9	0.3	<0.05	4.7	4.62	25.1	<0.02	1	0.2	6.3	<10	<2
GBC-10-036C	Till	126	0.4	0.04	4.0	1.29	<0.1	0.20	0.03	6.1	0.3	<0.05	7.0	9.34	24.1	0.03	2	0.4	12.5	<10	<2
GBC-10-037C	Till	93	0.5	0.10	5.2	1.40	<0.1	0.21	0.04	6.8	0.4	<0.05	8.1	11.94	24.4	0.04	1	0.7	12.5	<10	4
GBC-10-038C	Till	65	0.4	0.04	3.9	0.78	<0.1	0.07	0.19	5.8	0.3	<0.05	4.3	8.20	28.8	0.02	<1	0.4	8.0	<10	<2
GBC-10-039C	Till	96	0.3	0.05	4.7	0.94	<0.1	0.16	0.09	7.2	0.3	<0.05	8.5	11.84	21.3	0.03	<1	0.5	10.5	<10	<2
GBC-10-040C	Till	133	0.3	0.06	5.2	1.65	<0.1	0.12	0.10	7.6	0.4	<0.05	7.1	11.85	27.0	0.03	<1	0.6	12.2	<10	<2
GBC-10-042C	Till	100	0.4	0.06	6.0	1.21	<0.1	0.16	0.09	7.7	0.4	<0.05	8.6	13.41	24.1	0.04	<1	0.7	11.6	<10	2
GBC-10-043C	Till	82	0.4	0.05	6.7	1.38	<0.1	0.10	0.16	8.4	0.5	<0.05	5.9	20.15	28.4	0.04	<1	0.8	14.6	<10	<2
GBC-10-044C	Till	77	0.5	0.04	6.5	1.46	<0.1	0.06	0.23	10.9	0.5	<0.05	3.5	10.22	21.7	0.04	<1	0.7	14.6	<10	<2
GBC-10-045C	Till	69	0.4	0.05	6.8	1.55	<0.1	0.07	0.16	10.1	0.5	<0.05	4.2	9.10	20.9	0.04	1	0.7	15.2	<10	<2
GBC-10-046C	Till	72	0.3	0.06	6.4	1.35	<0.1	0.11	0.19	7.5	0.5	<0.05	6.1	9.03	23.9	0.04	<1	0.6	13.5	<10	<2
GBC-10-046-b	Rock Pulp	17	0.1	<0.02	2.4	1.07	<0.1	0.17	0.33	6.7	2.0	<0.05	6.0	5.06	39.8	0.03	<1	0.2	8.1	40	23
GBC-10-048C	Till	68	0.7	0.05	7.5	1.33	<0.1	0.14	0.11	7.4	0.5	<0.05	6.4	22.95	24.8	0.04	<1	0.9	19.4	<10	<2
GBC-10-049C	Till	64	0.3	0.06	5.5	1.28	<0.1	0.19	0.09	5.9	0.4	<0.05	8.4	17.45	25.0	0.03	<1	0.6	13.4	<10	<2
GBC-10-050C	Till	67	0.2	0.05	6.9	1.69	<0.1	0.09	0.08	9.3	0.5	<0.05	4.8	15.90	21.1	0.04	<1	0.9	17.7	<10	<2
GBC-10-051C	Till	82	0.2	0.04	4.5	0.79	<0.1	0.08	0.21	6.4	0.4	<0.05	4.6	7.10	25.2	0.02	<1	0.4	9.6	<10	<2
GBC-10-052C	Till	58	0.1	0.02	3.9	0.54	<0.1	0.09	0.16	4.7	0.3	<0.05	5.5	8.86	26.9	<0.02	<1	0.3	8.5	<10	<2
GBC-10-053C	Till	150	0.3	0.04	4.3	0.71	<0.1	0.18	0.08	5.0	0.5	<0.05	10.0	12.88	25.3	0.02	<1	0.4	9.0	<10	2
GBC-10-054C	Till	149	0.3	0.04	5.1	0.92	<0.1	0.20	0.06	7.6	0.5	<0.05	10.2	11.66	24.3	0.02	<1	0.5	10.8	<10	<2
GBC-10-055C	Till	96	0.3	0.03	4.4	0.71	<0.1	0.09	0.20	6.2	0.4	<0.05	5.5	9.15	22.2	<0.02	<1	0.4	9.6	<10	<2
GBC-10-056C	Till	171	0.2	0.04	4.7	0.95	<0.1	0.23	0.05	6.1	0.5	<0.05	10.6	11.32	25.1	0.03	<1	0.5	11.1	<10	<2
GBC-10-057C	Till	130	1.5	0.13	5.2	0.88	<0.1	0.14	0.03	5.5	0.4	<0.05	7.9	13.12	29.9	0.04	<1	0.7	24.1	<10	<2
GBC-10-058C	Till	46	0.4	0.03	4.4	1.07	<0.1	0.14	0.08	9.5	0.4	<0.05	7.5	9.56	41.5	0.02	<1	0.5	22.8	<10	<2
GBC-10-059C	Till	129	0.4	0.04	3.0	0.62	<0.1	<0.02	0.27	5.2	0.3	<0.05	0.7	7.56	25.7	<0.02	<1	0.4	10.5	<10	<2
GBC-10-062C	Till	108	0.5	0.04	5.2	1.42	<0.1	0.06	0.11	11.9	0.4	<0.05	4.1	12.74	26.7	0.02	<1	0.6	14.8	<10	<2
GBC-10-063C	Till	181	0.7	0.05	5.5	1.63	<0.1	0.13	0.06	11.1	0.4	<0.05	6.4	14.28	28.9	0.03	<1	0.6	17.9	<10	2
GBC-10-064C	Till	117	0.7	0.07	5.3	1.48	<0.1	0.20	0.06	14.6	0.4	<0.05	8.9	10.26	29.6	0.03	<1	0.6	17.4	<10	<2

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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Project: CICGR22_TILL_RE_1
Report Date: February 24, 2023

CERTIFICATE OF ANALYSIS VAN22003602.1

	Method	WGHT	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce
	Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30
GBC-10-065C	Till	0.80	65.67	13.14	5.52	2.27	2.75	2.32	2.18	0.75	0.32	0.11	0.020	58	1060	107	76	<20	289	197	64
GBC-10-066C	Till	0.75	66.01	13.42	5.87	2.16	2.35	2.23	2.09	0.77	0.29	0.11	0.019	66	1155	100	52	<20	279	213	59
GBC-10-067C	Till	0.98	67.04	13.43	5.29	2.03	2.21	2.29	1.97	0.71	0.27	0.10	0.020	60	1154	79	50	<20	288	184	53
GBC-10-068C	Till	0.80	64.22	13.75	6.51	2.29	2.28	2.10	2.33	0.74	0.29	0.13	0.016	75	1212	113	53	<20	284	190	53
GBC-10-069C	Till	0.79	64.28	13.79	6.46	2.10	2.17	2.44	1.83	0.78	0.24	0.12	0.019	80	1121	106	57	<20	341	156	<30
GBC-10-070C	Till	0.68	63.57	14.33	6.46	2.08	2.02	2.37	1.74	0.81	0.21	0.11	0.019	70	978	108	78	<20	282	176	34
GBC-10-071C	Till	0.70	63.72	14.16	6.47	2.10	2.02	2.41	1.76	0.80	0.21	0.12	0.019	70	976	108	72	<20	285	162	48
GBC-10-072C	Till	0.69	62.45	13.81	6.47	2.21	2.61	2.50	1.89	0.79	0.26	0.11	0.020	71	1008	92	62	<20	333	148	36
GBC-10-073C	Till	0.67	64.68	13.43	6.33	2.32	2.54	2.55	1.76	0.79	0.25	0.14	0.019	74	1048	130	64	<20	355	158	33
GBC-10-074C	Till	0.84	54.87	15.28	9.55	4.29	2.72	1.95	2.17	0.87	0.34	0.22	0.028	155	961	131	69	32	306	165	54
GBC-10-075C	Till	0.86	57.88	15.22	8.14	3.27	2.59	2.21	2.42	0.82	0.29	0.14	0.019	111	1009	108	54	22	341	160	54
GBC-10-076C	Till	0.72	65.23	13.73	7.05	1.90	1.34	1.41	2.09	0.82	0.25	0.14	0.018	88	1072	145	65	20	160	271	76
GBC-10-077C	Till	0.87	63.98	13.63	7.29	2.08	1.68	1.46	2.06	0.75	0.27	0.14	0.020	101	1095	134	66	22	170	217	64
GBC-10-078C	Till	0.82	65.52	13.47	6.65	2.01	1.76	1.81	1.95	0.76	0.28	0.13	0.017	86	983	113	50	<20	213	211	50
GBC-TR-097-T066C	Till	1.31	66.72	12.65	5.60	2.15	2.55	2.64	1.76	0.72	0.22	0.10	0.022	47	1058	82	75	<20	343	137	33
GBC-TR-098-T067C	Till	1.65	66.73	13.05	5.52	2.00	2.27	2.64	1.77	0.76	0.19	0.09	0.023	46	1071	72	62	<20	337	164	38
GBC-TR-099-T068C	Till	1.36	63.07	13.49	6.36	2.62	2.32	2.36	1.70	0.76	0.23	0.10	0.027	64	1148	102	118	<20	297	147	<30
GBC-TR-100-T069-1	Till	1.86	69.12	12.07	5.17	1.84	2.25	2.73	1.70	0.67	0.22	0.09	0.025	40	1046	69	59	<20	342	134	36
GBC-TR-100-T069-2	Till	1.95	68.80	12.26	5.12	1.90	2.33	2.81	1.75	0.69	0.22	0.09	0.024	43	1055	69	60	<20	352	133	31
GBC-TR-101-T070C	Till	0.86	57.84	15.01	8.51	3.12	2.18	2.36	1.86	0.74	0.27	0.17	0.027	114	1234	145	125	24	315	125	<30
GBC-TR-102-T071C	Till	1.55	63.62	13.19	6.20	2.34	2.32	2.57	1.96	0.69	0.25	0.12	0.025	68	1181	105	85	<20	343	122	<30
GBC-TR-102-T071-b	Rock Pulp	0.06	72.06	12.04	3.73	1.64	3.39	3.47	1.43	0.37	0.12	0.06	0.010	22	443	33	26	<20	391	171	<30
GBC-TR-103-T072C	Till	1.17	67.85	12.15	5.30	2.06	2.64	2.80	1.71	0.71	0.22	0.10	0.025	45	1022	79	65	<20	356	141	<30
GBC-TR-104-T073C	Till	1.37	62.40	12.88	6.24	2.76	4.32	2.64	1.97	0.72	0.26	0.11	0.024	59	1083	92	71	<20	393	129	<30
GBC-TR-105-T074C	Till	1.12	64.43	13.49	6.10	2.50	2.56	2.55	1.91	0.74	0.25	0.11	0.023	57	1068	96	79	<20	337	150	<30
GBC-TR-106-T075C	Till	1.31	64.66	13.55	6.13	2.12	2.16	2.71	1.83	0.68	0.23	0.11	0.023	64	1151	94	77	<20	352	127	<30
GBC-TR-107-T076C	Till	1.36	65.42	13.02	5.97	2.39	2.59	2.70	1.81	0.71	0.24	0.11	0.024	59	1088	94	81	<20	349	129	<30
GBC-TR-108-T077C	Till	1.05	63.74	14.03	6.54	2.25	2.02	2.56	1.98	0.69	0.22	0.13	0.026	74	1216	104	85	<20	342	133	31
GBC-TR-109-T078C	Till	1.11	67.02	12.54	5.62	2.03	2.52	2.66	1.76	0.71	0.24	0.11	0.025	50	1023	81	66	<20	343	152	32
GBC-TR-110-T079C	Till	1.08	65.99	12.85	5.63	2.28	2.57	2.59	1.78	0.72	0.23	0.10	0.023	50	1072	83	69	<20	335	137	<30

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BUREAU VERITAS MINERAL LABORATORIES Canada

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Bureau Veritas Commodities Canada Ltd.

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_1
Report Date: February 24, 2023

CERTIFICATE OF ANALYSIS VAN22003602.1

	Method	LF300	LF300	LF300	LF300	LF300	TC000	TC000	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th
	Unit	ppm	ppm	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm
	MDL	3	5	1	-5.1	0.01	0.02	0.02	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1
GBC-10-065C	Till	27	6	16	4.7	99.94	0.37	<0.02	1.25	49.65	7.99	90.4	202	61.0	13.8	747	3.05	8.5	0.9	4.4	3.8
GBC-10-066C	Till	28	9	17	4.4	99.93	0.34	<0.02	1.23	57.71	8.57	83.2	61	45.7	12.9	674	3.23	9.0	1.0	2.6	4.2
GBC-10-067C	Till	22	<5	15	4.4	99.95	0.31	<0.02	0.89	50.30	7.08	65.8	60	42.4	10.8	603	2.88	7.4	1.0	1.7	3.6
GBC-10-068C	Till	26	11	18	5.1	99.94	0.24	<0.02	1.32	70.03	9.99	97.3	167	47.0	16.3	910	3.65	11.6	0.8	4.1	4.7
GBC-10-069C	Till	23	7	18	5.5	99.94	0.36	<0.02	1.34	73.29	7.87	93.8	33	50.4	14.4	869	3.69	13.6	0.5	3.4	2.5
GBC-10-070C	Till	25	<5	18	6.0	99.95	0.36	<0.02	1.12	63.21	7.94	94.3	69	63.2	14.7	790	3.74	11.6	0.5	3.3	2.7
GBC-10-071C	Till	24	10	19	6.0	99.94	0.37	<0.02	1.11	60.70	7.71	90.8	70	62.6	14.1	807	3.64	11.3	0.5	6.6	2.6
GBC-10-072C	Till	24	6	19	6.6	99.93	0.80	<0.02	1.04	61.89	6.41	79.3	149	50.7	13.2	733	3.65	13.1	0.6	13.7	2.2
GBC-10-073C	Till	23	7	18	4.9	99.92	0.20	<0.02	1.11	64.94	7.38	95.4	106	56.3	16.2	945	3.60	12.8	0.5	2.7	2.4
GBC-10-074C	Till	20	7	26	7.4	99.90	0.43	<0.02	2.08	134.58	13.60	113.5	69	58.5	29.7	1568	5.30	21.6	0.6	6.9	3.9
GBC-10-075C	Till	23	15	23	6.7	99.91	0.24	<0.02	1.03	101.94	11.99	95.6	92	48.0	19.8	932	4.58	14.0	0.6	5.9	3.9
GBC-10-076C	Till	34	16	20	5.7	99.94	0.39	<0.02	2.85	79.58	16.10	126.9	173	56.3	17.3	995	4.08	22.0	0.9	11.5	5.3
GBC-10-077C	Till	34	12	19	6.3	99.93	0.47	<0.02	2.51	102.76	13.62	125.2	717	61.1	19.7	1071	4.31	21.8	1.1	7.1	5.0
GBC-10-078C	Till	29	16	17	5.4	99.93	0.23	<0.02	1.65	89.14	13.62	106.4	93	44.3	15.3	972	3.98	17.5	0.5	3.2	4.5
GBC-TR-097-T066C	Till	20	9	15	4.6	99.93	0.15	<0.02	0.68	47.75	5.94	75.0	46	67.3	13.4	685	3.18	9.6	0.4	2.3	2.3
GBC-TR-098-T067C	Till	21	12	16	4.7	99.93	0.22	<0.02	0.62	44.60	5.37	62.9	36	52.5	11.2	529	3.06	8.6	0.5	8.6	2.3
GBC-TR-099-T068C	Till	22	10	17	6.7	99.91	0.23	<0.02	0.72	61.96	5.93	93.2	84	110.5	15.4	725	3.67	11.4	0.4	2.4	2.4
GBC-TR-100-T069-1	Till	20	8	15	3.9	99.93	0.13	<0.02	0.61	40.37	5.93	61.5	29	54.8	10.6	603	2.90	8.6	0.5	3.3	2.0
GBC-TR-100-T069-2	Till	20	10	15	3.7	99.93	0.13	<0.02	0.61	41.12	5.34	62.2	27	54.1	10.4	598	2.87	8.5	0.5	2.5	2.0
GBC-TR-101-T070C	Till	26	13	22	7.6	99.89	0.27	<0.02	1.79	108.50	10.10	132.4	112	113.5	24.1	1186	4.89	24.9	0.6	4.3	3.5
GBC-TR-102-T071C	Till	21	20	17	6.4	99.92	0.17	<0.02	1.26	63.38	6.84	94.2	96	76.5	15.8	831	3.55	13.0	0.5	2.7	2.8
GBC-TR-102-T071-b	Rock Pulp	10	6	8	1.5	99.95	0.07	<0.02	0.62	22.87	1.86	19.7	18	16.4	5.4	249	1.39	0.7	0.4	0.4	2.7
GBC-TR-103-T072C	Till	19	9	15	4.2	99.92	0.15	<0.02	0.82	45.89	5.43	72.0	61	63.0	12.5	661	3.06	9.9	0.4	2.6	2.2
GBC-TR-104-T073C	Till	19	9	17	5.4	99.91	0.44	<0.02	0.75	59.23	5.99	82.3	96	68.0	15.0	663	3.42	11.9	0.4	3.0	2.1
GBC-TR-105-T074C	Till	21	8	17	5.0	99.91	0.17	<0.02	0.93	56.17	6.69	87.0	113	71.7	15.2	752	3.47	11.0	0.5	2.4	2.9
GBC-TR-106-T075C	Till	21	8	17	5.5	99.92	0.21	<0.02	1.16	63.21	6.76	87.8	52	70.9	14.4	743	3.62	13.2	0.5	3.5	2.9
GBC-TR-107-T076C	Till	20	8	16	4.7	99.92	0.16	<0.02	1.06	60.17	6.40	87.5	80	74.1	15.3	751	3.44	12.6	0.4	3.1	2.7
GBC-TR-108-T077C	Till	22	7	17	5.5	99.92	0.23	<0.02	1.32	73.79	8.15	96.5	65	77.8	16.9	902	3.77	14.4	0.5	3.3	2.7
GBC-TR-109-T078C	Till	20	9	15	4.5	99.93	0.14	<0.02	0.81	48.23	6.44	73.4	99	57.6	14.2	743	3.13	10.5	0.4	1.9	2.5
GBC-TR-110-T079C	Till	20	6	16	5.0	99.91	0.17	<0.02	0.71	50.11	6.18	77.1	75	63.4	13.5	656	3.24	9.6	0.5	2.4	2.4

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Project: CICGR22_TILL_RE_1
Report Date: February 24, 2023

CERTIFICATE OF ANALYSIS VAN22003602.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S
	Unit	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%
	MDL	0.5	0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02
GBC-10-065C	Till	44.0	0.61	0.67	0.30	69	0.73	0.129	13.5	51.0	0.79	168.1	0.094	<20	1.55	0.022	0.13	0.2	6.1	0.22	<0.02
GBC-10-066C	Till	39.0	0.31	0.77	0.27	79	0.55	0.116	15.4	53.5	0.78	225.4	0.109	<20	1.83	0.016	0.15	0.2	7.5	0.21	<0.02
GBC-10-067C	Till	31.5	0.25	0.48	0.21	74	0.47	0.110	12.4	51.9	0.73	236.2	0.102	<20	1.95	0.013	0.09	0.2	6.5	0.18	<0.02
GBC-10-068C	Till	40.0	0.50	0.94	0.21	84	0.65	0.116	15.5	49.7	0.90	241.0	0.108	<20	1.94	0.018	0.23	0.2	7.9	0.23	<0.02
GBC-10-069C	Till	45.2	0.39	1.13	0.11	97	0.67	0.096	13.0	57.8	0.86	197.3	0.108	<20	2.01	0.020	0.12	0.1	9.8	0.18	<0.02
GBC-10-070C	Till	49.7	0.24	0.81	0.12	84	0.63	0.083	12.8	60.9	0.84	219.8	0.089	<20	1.92	0.021	0.10	<0.1	9.0	0.14	<0.02
GBC-10-071C	Till	49.6	0.24	0.78	0.12	81	0.62	0.080	12.4	63.3	0.83	216.0	0.086	<20	1.88	0.018	0.09	<0.1	8.8	0.13	<0.02
GBC-10-072C	Till	50.3	0.19	0.79	0.11	95	0.90	0.103	12.5	60.5	0.89	162.1	0.106	<20	2.04	0.020	0.12	0.1	9.3	0.14	<0.02
GBC-10-073C	Till	57.5	0.53	0.81	0.10	93	0.77	0.104	12.1	52.2	0.95	191.7	0.108	<20	1.80	0.026	0.13	<0.1	8.2	0.15	<0.02
GBC-10-074C	Till	49.9	0.31	0.64	0.18	149	0.76	0.137	13.0	113.0	1.99	164.4	0.101	<20	2.99	0.012	0.22	0.2	11.7	0.16	<0.02
GBC-10-075C	Till	51.9	0.25	0.67	0.22	123	0.74	0.123	14.8	76.2	1.46	154.7	0.123	<20	2.59	0.016	0.22	0.2	11.2	0.17	<0.02
GBC-10-076C	Till	25.4	0.51	1.82	0.22	63	0.40	0.099	17.6	47.9	0.69	169.8	0.049	<20	1.68	0.007	0.12	0.1	8.0	0.18	<0.02
GBC-10-077C	Till	31.7	0.73	1.68	0.21	74	0.57	0.111	21.8	60.6	0.77	213.5	0.051	<20	1.83	0.012	0.13	0.1	9.9	0.21	<0.02
GBC-10-078C	Till	35.1	0.36	1.28	0.18	72	0.54	0.117	17.5	48.5	0.75	189.6	0.056	<20	1.79	0.014	0.12	0.1	8.2	0.12	<0.02
GBC-TR-097-T066C	Till	49.7	0.33	0.67	0.10	81	0.72	0.091	12.6	59.1	0.82	254.9	0.117	<20	1.60	0.030	0.10	<0.1	7.6	0.15	<0.02
GBC-TR-098-T067C	Till	43.9	0.19	0.58	0.08	81	0.62	0.077	14.5	59.8	0.76	242.3	0.118	<20	1.74	0.021	0.09	<0.1	7.8	0.13	<0.02
GBC-TR-099-T068C	Till	54.7	0.18	0.68	0.10	85	0.79	0.094	13.1	80.4	1.09	357.3	0.102	<20	1.96	0.024	0.11	<0.1	9.3	0.19	<0.02
GBC-TR-100-T069-1	Till	40.7	0.33	0.63	0.07	79	0.57	0.093	12.2	56.6	0.69	237.2	0.121	<20	1.54	0.021	0.07	<0.1	8.0	0.14	<0.02
GBC-TR-100-T069-2	Till	41.7	0.35	0.69	0.06	77	0.58	0.091	11.9	55.8	0.68	224.7	0.127	<20	1.45	0.023	0.07	<0.1	7.6	0.14	<0.02
GBC-TR-101-T070C	Till	53.5	0.52	1.72	0.15	119	0.64	0.110	15.8	88.9	1.27	382.6	0.120	<20	2.46	0.021	0.15	0.1	13.2	0.36	<0.02
GBC-TR-102-T071C	Till	48.2	0.51	0.97	0.10	88	0.68	0.098	12.5	62.3	0.94	286.2	0.119	<20	1.73	0.028	0.14	0.1	8.8	0.23	<0.02
GBC-TR-102-T071-b	Rock Pulp	25.7	0.03	0.05	0.02	21	0.59	0.050	14.9	24.1	0.43	48.2	0.067	<20	0.71	0.073	0.10	<0.1	2.3	0.06	<0.02
GBC-TR-103-T072C	Till	48.9	0.42	0.73	0.07	80	0.74	0.099	11.8	58.7	0.78	215.8	0.123	<20	1.45	0.032	0.10	<0.1	7.4	0.16	<0.02
GBC-TR-104-T073C	Till	70.4	0.44	0.83	0.09	91	1.79	0.111	11.2	63.9	1.06	227.8	0.127	<20	1.64	0.028	0.13	<0.1	7.8	0.16	<0.02
GBC-TR-105-T074C	Till	51.7	0.40	0.73	0.11	87	0.78	0.101	13.5	62.6	1.02	245.5	0.118	<20	1.78	0.029	0.14	<0.1	8.2	0.19	<0.02
GBC-TR-106-T075C	Till	47.9	0.27	1.03	0.10	94	0.64	0.098	13.0	67.6	0.84	280.1	0.124	<20	1.88	0.025	0.11	0.1	9.6	0.23	<0.02
GBC-TR-107-T076C	Till	51.3	0.37	0.98	0.09	87	0.77	0.103	12.8	62.4	0.93	259.6	0.120	<20	1.65	0.029	0.12	<0.1	8.2	0.21	<0.02
GBC-TR-108-T077C	Till	46.2	0.42	1.06	0.12	93	0.56	0.092	14.6	66.8	0.90	295.5	0.112	<20	1.93	0.018	0.13	<0.1	9.5	0.26	<0.02
GBC-TR-109-T078C	Till	42.9	0.28	0.76	0.09	79	0.65	0.099	12.3	54.6	0.74	222.5	0.109	<20	1.48	0.026	0.09	<0.1	7.2	0.16	<0.02
GBC-TR-110-T079C	Till	50.1	0.30	0.75	0.09	83	0.77	0.096	12.3	60.3	0.91	271.3	0.116	<20	1.72	0.030	0.11	<0.1	7.9	0.16	<0.02

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Project: CICGR22_TILL_RE_1
Report Date: February 24, 2023

CERTIFICATE OF ANALYSIS VAN22003602.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
GBC-10-065C	Till	90	0.4	0.03	4.7	1.90	<0.1	0.20	0.07	12.4	0.6	<0.05	7.9	11.35	26.4	0.02	<1	0.7	18.2	<10	<2
GBC-10-066C	Till	86	0.4	0.03	5.2	1.72	<0.1	0.11	0.14	12.9	0.6	<0.05	6.0	11.51	28.7	0.02	<1	0.7	16.2	<10	<2
GBC-10-067C	Till	64	0.5	0.03	5.2	1.14	<0.1	0.06	0.16	8.9	0.5	<0.05	4.2	7.88	27.1	0.02	<1	0.7	16.1	<10	2
GBC-10-068C	Till	199	0.4	0.05	6.0	1.66	<0.1	0.21	0.08	19.2	0.6	<0.05	8.4	11.57	29.1	0.03	<1	0.6	18.9	<10	2
GBC-10-069C	Till	172	0.5	0.06	6.0	1.07	<0.1	0.10	0.16	8.5	0.5	<0.05	5.8	11.17	24.6	0.03	<1	0.5	12.0	<10	2
GBC-10-070C	Till	106	0.4	0.06	5.6	1.01	<0.1	0.12	0.10	5.8	0.6	<0.05	6.8	11.48	24.3	0.03	<1	0.6	13.0	<10	<2
GBC-10-071C	Till	111	0.2	0.07	5.4	0.96	<0.1	0.10	0.11	5.6	0.5	<0.05	6.0	11.16	23.9	0.03	<1	0.5	12.6	<10	<2
GBC-10-072C	Till	113	0.4	0.04	5.9	0.98	<0.1	0.10	0.31	7.4	0.4	<0.05	5.2	11.72	21.2	0.03	1	0.6	11.8	<10	<2
GBC-10-073C	Till	147	0.3	0.05	5.5	1.08	<0.1	0.22	0.04	7.9	0.5	<0.05	9.5	11.13	23.9	0.03	<1	0.5	13.0	<10	2
GBC-10-074C	Till	29	0.4	0.07	8.4	3.02	<0.1	0.08	0.16	15.8	0.6	<0.05	4.7	8.78	31.1	0.03	<1	0.9	30.6	<10	3
GBC-10-075C	Till	69	0.3	0.04	7.9	2.12	<0.1	0.18	0.07	16.6	0.5	<0.05	8.0	11.77	26.7	0.03	<1	0.8	24.1	<10	2
GBC-10-076C	Till	92	1.0	0.07	4.5	1.43	<0.1	0.04	0.12	9.1	0.4	<0.05	3.0	12.28	32.9	0.03	<1	0.7	15.7	<10	<2
GBC-10-077C	Till	118	1.0	0.09	5.0	1.97	<0.1	0.04	0.18	10.6	0.5	<0.05	2.9	19.47	35.6	0.04	<1	0.7	16.6	<10	2
GBC-10-078C	Till	91	0.6	0.06	5.2	2.75	<0.1	0.10	0.08	7.9	0.4	<0.05	5.2	15.97	31.3	0.03	<1	0.6	17.1	<10	3
GBC-TR-097-T066C	Till	152	0.3	0.04	4.9	0.75	<0.1	0.25	0.05	6.1	0.5	<0.05	10.9	11.12	22.8	0.02	<1	0.4	10.5	<10	<2
GBC-TR-098-T067C	Till	166	0.2	0.03	5.0	0.71	<0.1	0.10	0.11	6.2	0.4	<0.05	5.9	12.11	24.4	0.02	<1	0.5	11.3	<10	<2
GBC-TR-099-T068C	Till	251	0.3	0.05	5.8	0.98	<0.1	0.18	0.05	6.8	0.4	<0.05	9.6	13.14	23.1	0.03	<1	0.6	13.1	<10	<2
GBC-TR-100-T069-1	Till	151	0.2	0.04	4.4	0.54	<0.1	0.19	0.08	4.3	0.4	<0.05	9.4	12.33	23.5	0.02	<1	0.4	8.3	<10	<2
GBC-TR-100-T069-2	Till	165	0.3	0.03	4.3	0.49	<0.1	0.22	0.09	4.4	0.3	<0.05	10.2	12.19	22.1	0.02	<1	0.4	8.1	<10	<2
GBC-TR-101-T070C	Till	465	0.4	0.07	7.3	1.39	<0.1	0.16	0.06	11.4	0.6	<0.05	9.6	18.11	26.3	0.04	<1	0.7	16.5	<10	3
GBC-TR-102-T071C	Till	209	0.4	0.04	5.4	0.90	<0.1	0.27	0.06	8.3	0.5	<0.05	11.9	11.75	22.2	0.03	<1	0.5	11.8	<10	<2
GBC-TR-102-T071-b	Rock Pulp	<5	<0.1	<0.02	2.3	0.33	<0.1	0.16	0.18	5.9	0.3	<0.05	5.1	4.79	25.8	<0.02	<1	0.2	6.4	<10	<2
GBC-TR-103-T072C	Till	176	0.3	0.03	4.4	0.66	<0.1	0.23	0.06	6.0	0.5	<0.05	10.2	10.80	22.1	0.02	<1	0.4	8.9	<10	<2
GBC-TR-104-T073C	Till	255	0.3	0.06	5.2	0.82	<0.1	0.25	0.06	7.3	0.4	<0.05	10.7	10.63	20.6	0.02	<1	0.5	11.4	<10	2
GBC-TR-105-T074C	Till	171	0.2	0.03	5.5	0.98	<0.1	0.21	0.05	8.7	0.5	<0.05	10.0	11.50	25.5	0.03	<1	0.5	12.8	<10	<2
GBC-TR-106-T075C	Till	238	0.3	0.04	5.6	0.90	<0.1	0.20	0.08	7.3	0.6	<0.05	10.5	13.08	23.9	0.03	<1	0.6	11.5	<10	2
GBC-TR-107-T076C	Till	226	0.3	0.03	5.1	0.94	<0.1	0.23	0.05	7.2	0.4	<0.05	10.8	11.77	23.0	0.03	<1	0.5	10.9	<10	<2
GBC-TR-108-T077C	Till	218	0.4	0.04	5.7	0.99	<0.1	0.16	0.08	8.8	0.9	<0.05	9.1	14.06	24.8	0.03	<1	0.6	11.6	<10	<2
GBC-TR-109-T078C	Till	152	0.3	0.03	4.6	0.72	<0.1	0.25	0.06	5.6	0.5	<0.05	11.0	10.27	23.1	0.02	<1	0.4	9.9	<10	<2
GBC-TR-110-T079C	Till	181	0.2	0.04	5.1	0.83	<0.1	0.18	0.06	6.8	0.7	<0.05	9.6	11.39	22.9	0.03	<1	0.5	11.1	<10	<2

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3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_1
Report Date: February 24, 2023

CERTIFICATE OF ANALYSIS VAN22003602.1

	Method	WGHT	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce
	Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30
GBC-TR-111-T080C	Till	1.01	65.69	13.14	5.75	2.32	2.55	2.64	1.80	0.69	0.22	0.10	0.023	57	1123	87	69	<20	358	130	31
GBC-TR-112-T081C	Till	1.89	63.21	13.10	5.93	2.53	3.93	2.55	1.89	0.71	0.24	0.15	0.022	57	1058	92	72	21	364	142	30
GBC-TR-113-T082C	Till	1.51	64.09	13.62	6.28	2.18	2.51	2.49	1.74	0.77	0.21	0.13	0.023	62	1044	89	75	<20	330	153	37
GBC-TR-114-T083C	Till	1.17	65.08	12.97	5.69	2.52	3.08	2.63	1.79	0.70	0.24	0.11	0.022	53	1115	87	68	<20	374	131	32
GBC-TR-115-T084C	Till	1.56	65.68	13.12	5.80	2.17	2.65	2.73	1.88	0.71	0.24	0.11	0.024	56	1083	85	63	<20	370	140	<30
GBC-TR-116-T085C	Till	1.38	69.40	12.18	4.66	1.92	2.14	2.77	1.66	0.83	0.18	0.09	0.027	30	948	65	67	<20	315	167	36
GBC-TR-117-T086C	Till	1.44	68.36	12.03	5.18	2.17	2.66	2.72	1.59	0.77	0.24	0.07	0.031	40	954	82	73	<20	335	168	<30
GBC-TR-118-T087C	Till	1.55	67.28	11.46	4.49	2.24	4.59	2.73	1.57	0.72	0.23	0.09	0.025	31	897	65	59	<20	368	141	34
GBC-TR-119-T088C	Till	1.47	65.88	12.83	5.83	2.52	2.49	2.58	1.73	0.71	0.23	0.11	0.030	54	1070	93	109	<20	323	157	<30
GBC-TR-120-T089C	Till	1.26	67.08	11.80	5.36	2.76	3.01	2.62	1.56	0.70	0.22	0.11	0.034	44	1002	81	97	<20	324	138	<30
GBC-TR-121-T090C	Till	1.49	63.71	11.58	5.50	2.90	4.62	2.49	1.59	0.70	0.22	0.10	0.033	47	985	90	117	<20	337	132	<30
GBC-TR-122-T091C	Till	1.35	65.78	13.13	5.84	2.37	1.89	2.43	1.66	0.79	0.17	0.10	0.030	52	1038	86	120	<20	277	137	<30
GBC-TR-123-T092C	Till	1.43	61.66	11.47	5.41	2.93	6.03	2.39	1.55	0.67	0.22	0.11	0.029	51	984	89	95	<20	355	120	32
GBC-TR-124-T093C	Till	1.28	63.31	12.14	5.78	2.78	4.35	2.43	1.66	0.78	0.23	0.12	0.026	53	977	101	104	<20	321	148	38
GBC-TR-125-T094C	Till	1.23	65.53	12.87	6.05	2.30	2.48	2.49	1.65	0.76	0.22	0.10	0.026	59	1051	90	88	<20	313	150	<30
GBC-TR-125-T094-b	Rock Pulp	0.07	72.23	12.01	3.93	1.69	3.25	3.45	1.44	0.38	0.12	0.06	0.015	151	456	216	86	50	386	156	46
GBC-TR-126-T095C	Till	1.32	66.17	12.71	5.74	2.34	2.43	2.51	1.71	0.77	0.22	0.12	0.028	52	1033	89	100	<20	314	154	<30
GBC-TR-127-T096C	Till	2.11	64.38	12.33	5.73	2.59	3.79	2.46	1.65	0.75	0.23	0.13	0.026	50	1005	95	90	20	318	143	<30
GBC-TR-128-T097C	Till	1.67	67.91	12.74	5.23	1.82	2.61	2.93	1.72	0.76	0.24	0.09	0.021	46	996	61	55	<20	384	155	38
GBC-TR-128-T097B	Till	1.39	63.76	12.19	5.76	2.59	4.14	2.49	1.64	0.76	0.24	0.12	0.022	54	962	95	88	<20	326	133	32
GBC-TR-129-T098C	Till	1.17	63.64	12.06	5.55	2.58	4.69	2.50	1.64	0.73	0.23	0.11	0.022	54	969	91	80	<20	340	141	<30
GBC-TR-130-T099C	Till	1.51	67.34	12.44	5.48	2.15	2.25	2.67	1.63	0.81	0.25	0.09	0.021	53	957	86	73	<20	308	134	<30
GBC-TR-131-T100C	Till	1.15	65.76	12.85	6.14	2.30	2.23	2.60	1.68	0.79	0.25	0.12	0.022	59	1040	102	95	<20	313	136	<30
GBC-TR-132-T101C	Till	1.15	65.06	11.93	5.25	2.49	4.50	2.58	1.68	0.74	0.23	0.10	0.022	47	996	83	77	<20	357	139	42
GBC-TR-133-T102C	Till	1.59	63.12	11.76	5.62	3.03	4.85	2.40	1.66	0.73	0.23	0.11	0.028	53	985	99	112	<20	329	130	32
GBC-TR-134-T103C	Till	1.34	62.39	12.24	5.97	2.70	4.68	2.41	1.64	0.75	0.24	0.12	0.024	57	993	99	101	<20	331	142	37
GBC-TR-135-T104C	Till	1.22	63.08	13.04	6.84	2.97	2.57	2.45	1.66	0.80	0.25	0.12	0.031	65	1114	110	145	<20	317	156	34
GBC-TR-136-T105C	Till	1.55	65.01	12.97	6.21	2.42	2.54	2.52	1.74	0.77	0.25	0.13	0.022	64	1013	97	90	<20	321	144	44
GBC-TR-137-T106C	Till	1.30	62.70	12.02	5.66	2.66	5.06	2.52	1.57	0.77	0.24	0.10	0.026	49	1040	86	86	<20	356	146	32
GBC-TR-137-T106-b	Rock Pulp	0.07	71.86	12.07	4.03	1.72	3.26	3.50	1.46	0.38	0.12	0.07	0.014	156	458	215	91	50	394	167	53

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BUREAU VERITAS MINERAL LABORATORIES Canada

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Bureau Veritas Commodities Canada Ltd.

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_1
Report Date: February 24, 2023

CERTIFICATE OF ANALYSIS VAN22003602.1

	Method	LF300	LF300	LF300	LF300	LF300	TC000	TC000	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th
	Unit	ppm	ppm	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm
	MDL	3	5	1	-5.1	0.01	0.02	0.02	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1
GBC-TR-111-T080C	Till	19	11	16	4.8	99.93	0.14	<0.02	1.05	56.81	6.02	80.0	84	65.5	14.4	700	3.31	11.3	0.5	3.2	2.9
GBC-TR-112-T081C	Till	19	13	16	5.5	99.92	0.41	<0.02	1.08	55.00	7.08	82.6	179	66.6	18.2	1007	3.26	11.1	0.4	2.1	2.7
GBC-TR-113-T082C	Till	22	8	17	5.7	99.92	0.23	<0.02	0.87	60.69	7.86	79.7	76	67.8	16.8	878	3.56	11.0	0.5	2.5	2.8
GBC-TR-114-T083C	Till	18	9	15	4.9	99.92	0.23	<0.02	1.13	55.80	6.05	82.3	77	66.7	15.8	726	3.29	10.9	0.5	2.1	2.6
GBC-TR-115-T084C	Till	19	10	16	4.6	99.93	0.13	<0.02	0.93	56.04	6.19	76.8	63	59.8	14.1	755	3.25	10.9	0.5	4.0	2.8
GBC-TR-116-T085C	Till	19	11	13	3.9	99.93	0.43	<0.02	0.67	29.89	5.49	57.2	26	61.4	11.7	549	2.59	6.3	0.5	1.9	2.2
GBC-TR-117-T086C	Till	21	6	15	3.9	99.92	0.19	<0.02	0.76	38.47	4.74	61.5	88	64.5	9.5	409	2.77	8.0	0.5	4.6	2.0
GBC-TR-118-T087C	Till	18	9	13	4.3	99.93	0.57	<0.02	0.59	30.30	4.46	54.9	67	50.6	9.9	513	2.28	6.6	0.4	2.2	1.8
GBC-TR-119-T088C	Till	21	8	16	4.8	99.91	0.18	<0.02	0.92	53.39	6.32	85.4	70	98.7	15.2	749	3.32	9.9	0.5	16.6	2.1
GBC-TR-120-T089C	Till	19	<5	15	4.5	99.93	0.26	<0.02	0.80	43.28	5.20	73.0	88	91.3	14.1	689	2.95	8.3	0.4	2.8	1.8
GBC-TR-121-T090C	Till	18	<5	15	6.3	99.91	0.67	<0.02	0.83	48.00	5.63	83.5	58	111.9	15.7	697	3.13	9.8	0.4	1.8	1.9
GBC-TR-122-T091C	Till	20	9	15	5.6	99.93	0.40	<0.02	0.79	50.37	6.51	78.9	61	118.5	14.8	696	3.46	10.0	0.5	2.7	2.1
GBC-TR-123-T092C	Till	17	9	14	7.2	99.90	0.99	<0.02	1.03	50.25	5.75	81.6	74	90.0	16.6	765	3.04	10.7	0.5	2.4	1.9
GBC-TR-124-T093C	Till	20	<5	15	6.1	99.91	0.62	<0.02	1.16	53.90	7.02	93.8	60	102.4	18.2	817	3.24	10.7	0.4	2.2	2.3
GBC-TR-125-T094C	Till	22	6	17	5.3	99.91	0.20	<0.02	0.78	60.66	6.25	83.5	57	83.7	13.6	653	3.43	10.8	0.4	5.1	2.4
GBC-TR-125-T094-b	Rock Pulp	10	15	9	1.2	99.95	0.07	0.03	12.17	163.76	275.82	210.9	112	81.0	51.2	274	1.59	9.7	0.4	39.2	3.0
GBC-TR-126-T095C	Till	21	8	16	5.0	99.92	0.20	<0.02	0.87	54.53	7.23	82.1	95	93.0	16.2	856	3.27	10.1	0.5	1.9	2.3
GBC-TR-127-T096C	Till	20	9	15	5.7	99.92	0.46	<0.02	0.94	51.40	7.29	88.6	57	82.7	17.4	878	3.23	10.4	0.4	2.6	2.2
GBC-TR-128-T097C	Till	21	5	15	3.7	99.94	0.15	<0.02	0.64	41.83	5.78	51.7	32	47.2	10.7	525	2.70	6.4	0.6	14.8	2.5
GBC-TR-128-T097B	Till	19	<5	15	6.0	99.94	0.55	<0.02	0.95	53.51	7.15	91.9	62	86.7	18.7	824	3.25	10.6	0.5	2.4	2.3
GBC-TR-129-T098C	Till	19	5	15	6.0	99.94	0.68	<0.02	0.86	49.84	6.48	85.7	92	76.2	17.2	766	3.09	9.8	0.4	2.5	2.2
GBC-TR-130-T099C	Till	20	6	15	4.7	99.96	0.18	<0.02	0.75	46.06	6.41	79.4	41	65.9	12.5	573	3.04	9.7	0.4	2.0	2.4
GBC-TR-131-T100C	Till	21	5	16	5.0	99.95	0.18	<0.02	0.91	56.76	7.54	93.1	47	88.8	16.4	839	3.41	11.5	0.5	2.8	2.4
GBC-TR-132-T101C	Till	20	15	13	5.1	99.91	0.60	<0.02	0.70	38.63	5.41	69.3	47	60.9	13.1	574	2.68	8.5	0.4	2.2	2.0
GBC-TR-133-T102C	Till	18	6	15	6.2	99.93	0.77	<0.02	1.01	49.25	6.25	90.2	72	101.4	17.6	696	3.02	10.4	0.5	2.8	2.1
GBC-TR-134-T103C	Till	20	8	16	6.6	99.94	0.75	<0.02	1.18	54.36	6.59	89.9	105	91.8	18.4	808	3.23	11.0	0.4	2.6	2.2
GBC-TR-135-T104C	Till	21	9	17	5.9	99.93	0.19	<0.02	1.23	62.18	6.80	102.7	60	133.0	21.4	805	3.85	12.6	0.4	2.2	2.2
GBC-TR-136-T105C	Till	21	6	16	5.2	99.95	0.17	<0.02	0.93	61.15	6.91	90.5	72	82.9	18.0	846	3.50	11.8	0.4	4.3	2.5
GBC-TR-137-T106C	Till	20	<5	16	6.4	99.94	0.72	<0.02	0.80	46.03	5.01	75.5	59	70.5	16.1	614	3.04	9.5	0.4	2.2	2.0
GBC-TR-137-T106-b	Rock Pulp	10	19	9	1.3	99.97	0.07	0.04	12.49	159.32	277.35	213.5	104	81.3	52.2	273	1.57	9.8	0.4	36.2	3.1

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Report Date: February 24, 2023

CERTIFICATE OF ANALYSIS VAN22003602.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S
	Unit	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%
	MDL	0.5	0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02
GBC-TR-111-T080C	Till	52.4	0.31	0.94	0.12	86	0.75	0.096	13.2	59.2	0.93	269.5	0.116	<20	1.74	0.036	0.12	0.1	8.2	0.19	<0.02
GBC-TR-112-T081C	Till	64.8	0.59	0.78	0.11	83	1.63	0.101	12.5	55.3	1.00	229.1	0.112	<20	1.68	0.031	0.16	<0.1	7.5	0.19	<0.02
GBC-TR-113-T082C	Till	51.7	0.25	0.68	0.11	85	0.74	0.088	14.0	62.0	0.84	257.5	0.104	<20	1.78	0.022	0.10	<0.1	8.8	0.16	<0.02
GBC-TR-114-T083C	Till	57.0	0.43	0.76	0.10	93	1.08	0.104	12.5	58.7	1.03	250.6	0.130	<20	1.69	0.032	0.14	0.1	7.7	0.19	<0.02
GBC-TR-115-T084C	Till	50.5	0.36	0.78	0.10	85	0.74	0.101	12.8	57.1	0.82	236.0	0.117	<20	1.62	0.028	0.11	<0.1	7.9	0.17	<0.02
GBC-TR-116-T085C	Till	34.6	0.23	0.49	0.07	66	0.47	0.075	13.0	59.7	0.67	158.5	0.118	<20	1.30	0.015	0.06	<0.1	5.0	0.10	<0.02
GBC-TR-117-T086C	Till	42.4	0.22	0.66	0.07	69	0.65	0.099	11.3	62.5	0.76	173.3	0.104	<20	1.22	0.021	0.06	<0.1	6.3	0.11	<0.02
GBC-TR-118-T087C	Till	64.4	0.39	0.55	0.06	57	1.89	0.096	10.0	45.5	0.79	136.6	0.090	<20	0.95	0.018	0.07	<0.1	4.6	0.10	<0.02
GBC-TR-119-T088C	Till	43.7	0.43	0.98	0.08	84	0.65	0.094	11.5	68.4	0.97	233.4	0.118	<20	1.57	0.026	0.10	0.1	8.3	0.20	<0.02
GBC-TR-120-T089C	Till	45.0	0.47	0.71	0.07	72	0.93	0.095	10.4	65.1	1.10	230.8	0.106	<20	1.35	0.028	0.09	<0.1	6.5	0.16	<0.02
GBC-TR-121-T090C	Till	76.8	0.61	0.85	0.08	74	2.20	0.101	10.6	68.8	1.23	230.5	0.112	<20	1.38	0.026	0.11	0.1	7.1	0.25	<0.02
GBC-TR-122-T091C	Till	38.4	0.18	0.70	0.09	81	0.55	0.068	13.8	78.4	0.97	260.4	0.109	<20	1.84	0.018	0.08	<0.1	7.9	0.17	<0.02
GBC-TR-123-T092C	Till	107.4	0.70	0.90	0.08	75	3.18	0.097	10.2	63.6	1.28	241.5	0.110	<20	1.43	0.029	0.11	<0.1	6.7	0.20	<0.02
GBC-TR-124-T093C	Till	76.6	0.69	0.74	0.10	73	2.04	0.099	11.8	67.1	1.19	221.6	0.102	<20	1.47	0.020	0.10	<0.1	7.2	0.22	<0.02
GBC-TR-125-T094C	Till	49.3	0.20	0.75	0.09	82	0.74	0.096	12.9	66.9	0.90	263.4	0.104	<20	1.67	0.022	0.08	<0.1	8.6	0.16	<0.02
GBC-TR-125-T094-b	Rock Pulp	29.4	0.52	0.18	0.14	24	0.53	0.052	24.9	30.2	0.46	56.1	0.070	<20	0.77	0.082	0.11	<0.1	2.7	0.08	0.05
GBC-TR-126-T095C	Till	46.5	0.49	0.71	0.10	80	0.68	0.094	12.9	66.3	0.92	247.5	0.110	<20	1.64	0.019	0.10	<0.1	7.8	0.17	<0.02
GBC-TR-127-T096C	Till	65.1	0.59	0.77	0.09	75	1.67	0.100	11.5	60.6	1.05	221.7	0.100	<20	1.49	0.020	0.09	<0.1	7.0	0.22	<0.02
GBC-TR-128-T097C	Till	47.3	0.15	0.46	0.07	71	0.59	0.108	14.0	48.8	0.62	188.9	0.110	<20	1.38	0.021	0.06	<0.1	6.9	0.10	<0.02
GBC-TR-128-T097B	Till	76.4	0.57	0.70	0.10	76	2.06	0.105	12.2	62.4	1.08	220.9	0.109	<20	1.55	0.023	0.10	<0.1	7.3	0.20	<0.02
GBC-TR-129-T098C	Till	84.8	0.64	0.68	0.09	73	2.33	0.108	12.1	63.5	1.07	215.4	0.115	<20	1.51	0.024	0.11	<0.1	7.2	0.18	<0.02
GBC-TR-130-T099C	Till	52.3	0.24	0.76	0.10	71	0.71	0.109	13.7	59.2	0.83	187.7	0.110	<20	1.48	0.022	0.07	<0.1	6.7	0.13	<0.02
GBC-TR-131-T100C	Till	57.0	0.46	0.75	0.10	76	0.68	0.104	13.8	64.0	0.90	249.9	0.112	<20	1.67	0.024	0.09	<0.1	7.9	0.20	<0.02
GBC-TR-132-T101C	Till	71.7	0.55	0.64	0.08	64	1.88	0.097	11.0	52.8	0.92	193.9	0.109	<20	1.24	0.024	0.09	<0.1	5.8	0.15	<0.02
GBC-TR-133-T102C	Till	85.0	0.69	0.80	0.09	67	2.39	0.099	11.3	67.0	1.25	207.1	0.104	<20	1.33	0.022	0.10	<0.1	6.5	0.22	<0.02
GBC-TR-134-T103C	Till	80.1	0.62	0.79	0.10	72	2.32	0.100	11.6	67.6	1.08	215.4	0.101	<20	1.51	0.022	0.10	<0.1	7.3	0.20	<0.02
GBC-TR-135-T104C	Till	65.6	0.30	0.77	0.09	88	0.87	0.108	13.4	80.9	1.27	300.3	0.118	<20	1.96	0.032	0.10	<0.1	9.3	0.22	<0.02
GBC-TR-136-T105C	Till	53.8	0.38	0.73	0.10	82	0.78	0.104	13.2	65.9	0.95	218.8	0.103	<20	1.74	0.023	0.10	<0.1	8.2	0.18	<0.02
GBC-TR-137-T106C	Till	86.8	0.37	0.69	0.08	74	2.38	0.104	11.0	62.2	1.04	272.2	0.123	<20	1.47	0.029	0.10	<0.1	6.9	0.23	<0.02
GBC-TR-137-T106-b	Rock Pulp	31.7	0.51	0.18	0.15	24	0.55	0.055	25.3	32.2	0.48	59.1	0.073	<20	0.82	0.086	0.11	<0.1	2.8	0.08	0.04

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BUREAU VERITAS MINERAL LABORATORIES Canada

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
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Project: CICGR22_TILL_RE_1
Report Date: February 24, 2023

CERTIFICATE OF ANALYSIS VAN22003602.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
GBC-TR-111-T080C	Till	551	0.2	0.03	5.3	0.88	<0.1	0.19	0.06	7.2	0.6	<0.05	9.9	11.13	23.6	0.03	<1	0.5	11.1	<10	2
GBC-TR-112-T081C	Till	172	0.3	0.04	5.2	0.97	<0.1	0.22	0.05	8.7	0.8	<0.05	10.4	10.74	26.1	0.03	<1	0.5	11.5	<10	<2
GBC-TR-113-T082C	Till	132	0.1	0.04	5.4	0.93	<0.1	0.18	0.06	6.4	0.9	<0.05	10.0	12.99	26.3	0.03	<1	0.5	11.9	<10	<2
GBC-TR-114-T083C	Till	154	0.2	0.04	5.4	0.87	<0.1	0.24	0.05	8.5	0.8	<0.05	11.1	10.65	24.0	0.03	<1	0.5	11.5	<10	<2
GBC-TR-115-T084C	Till	169	0.2	0.03	5.0	0.88	<0.1	0.21	0.05	7.3	0.7	<0.05	10.1	10.66	23.8	0.02	<1	0.5	10.6	<10	<2
GBC-TR-116-T085C	Till	317	0.2	<0.02	3.8	0.54	<0.1	0.04	0.42	5.1	1.1	<0.05	2.2	8.03	26.8	<0.02	<1	0.4	9.4	<10	<2
GBC-TR-117-T086C	Till	223	0.2	0.03	3.8	0.55	<0.1	0.15	0.14	4.0	0.6	<0.05	8.1	10.12	21.2	0.02	<1	0.4	8.1	<10	<2
GBC-TR-118-T087C	Till	134	<0.1	0.02	2.9	0.52	<0.1	0.22	0.07	3.8	0.4	<0.05	8.8	8.33	20.0	<0.02	<1	0.3	6.6	<10	<2
GBC-TR-119-T088C	Till	213	0.2	0.04	5.0	0.72	<0.1	0.23	0.07	6.0	0.6	<0.05	10.3	12.20	21.4	0.03	<1	0.4	10.6	<10	<2
GBC-TR-120-T089C	Till	550	0.2	0.03	4.3	0.61	<0.1	0.20	0.06	5.0	0.5	<0.05	9.2	9.93	19.7	0.02	<1	0.4	9.0	<10	<2
GBC-TR-121-T090C	Till	206	0.3	0.04	4.4	0.72	<0.1	0.23	0.06	6.1	0.5	<0.05	10.1	10.23	20.7	0.02	<1	0.4	9.3	<10	2
GBC-TR-122-T091C	Till	329	0.3	0.03	5.3	0.79	<0.1	0.06	0.17	6.5	0.6	<0.05	3.9	11.70	24.7	0.03	<1	0.5	11.5	<10	2
GBC-TR-123-T092C	Till	224	0.3	0.04	4.4	0.70	<0.1	0.22	0.05	6.0	0.5	<0.05	9.8	10.39	20.4	0.02	<1	0.4	9.9	<10	<2
GBC-TR-124-T093C	Till	295	0.2	0.04	4.5	0.82	<0.1	0.23	0.05	6.1	0.7	<0.05	10.8	10.64	23.8	0.03	<1	0.4	10.3	<10	<2
GBC-TR-125-T094C	Till	247	0.3	0.03	5.1	0.78	<0.1	0.19	0.06	5.5	0.6	<0.05	9.9	12.96	22.9	0.03	<1	0.5	11.0	<10	<2
GBC-TR-125-T094-b	Rock Pulp	13	<0.1	0.02	2.5	1.12	<0.1	0.18	0.33	6.9	2.0	<0.05	6.0	5.13	41.5	0.03	<1	0.2	8.3	41	26
GBC-TR-126-T095C	Till	198	0.3	0.04	4.8	0.82	<0.1	0.15	0.08	6.2	0.7	<0.05	8.4	12.00	25.1	0.03	<1	0.5	11.0	<10	<2
GBC-TR-127-T096C	Till	212	0.2	0.04	4.5	0.85	<0.1	0.21	0.06	6.2	1.0	<0.05	10.0	10.44	23.2	0.02	<1	0.4	10.6	<10	2
GBC-TR-128-T097C	Till	149	0.3	0.03	3.9	0.53	<0.1	0.13	0.08	3.8	0.6	<0.05	7.4	11.93	25.5	0.03	<1	0.4	7.9	<10	<2
GBC-TR-128-T097B	Till	193	0.3	0.04	4.8	0.91	<0.1	0.15	0.05	6.9	0.9	<0.05	8.0	11.41	24.2	0.03	<1	0.4	11.1	<10	<2
GBC-TR-129-T098C	Till	162	0.3	0.04	4.8	0.83	<0.1	0.20	0.06	7.1	0.8	<0.05	9.8	11.53	23.6	0.03	<1	0.4	10.7	<10	<2
GBC-TR-130-T099C	Till	163	0.2	0.04	4.5	0.75	<0.1	0.15	0.06	4.7	0.4	<0.05	7.7	12.16	25.1	0.02	<1	0.4	9.8	<10	<2
GBC-TR-131-T100C	Till	211	0.3	0.04	5.0	0.85	<0.1	0.16	0.06	6.2	0.6	<0.05	8.6	12.35	25.5	0.03	<1	0.5	10.5	<10	<2
GBC-TR-132-T101C	Till	154	0.2	0.03	3.9	0.68	<0.1	0.24	0.06	5.6	0.5	<0.05	10.1	9.98	21.5	0.02	<1	0.3	8.5	<10	2
GBC-TR-133-T102C	Till	213	0.3	0.03	4.3	0.75	<0.1	0.25	0.06	5.9	0.6	<0.05	10.6	10.71	22.4	0.03	<1	0.4	9.9	<10	2
GBC-TR-134-T103C	Till	453	0.3	0.04	4.7	0.85	<0.1	0.19	0.06	6.8	0.6	<0.05	9.7	11.04	22.2	0.03	<1	0.4	10.4	<10	2
GBC-TR-135-T104C	Till	310	0.4	0.03	5.6	0.87	<0.1	0.17	0.05	6.1	0.7	<0.05	9.7	13.91	24.3	0.03	<1	0.5	12.0	<10	<2
GBC-TR-136-T105C	Till	257	0.3	0.05	5.1	0.96	<0.1	0.14	0.05	6.5	0.6	<0.05	7.6	12.16	25.1	0.03	<1	0.5	12.0	<10	<2
GBC-TR-137-T106C	Till	371	0.2	0.03	4.6	0.85	<0.1	0.14	0.08	5.8	0.6	<0.05	7.6	10.58	22.1	0.02	<1	0.4	10.4	<10	<2
GBC-TR-137-T106-b	Rock Pulp	11	<0.1	<0.02	2.5	1.12	<0.1	0.19	0.30	7.1	2.1	<0.05	6.2	5.38	43.5	0.04	<1	0.2	8.6	43	28

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3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_1
Report Date: February 24, 2023

CERTIFICATE OF ANALYSIS VAN22003602.1

	Method	WGHT	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce
	Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30
GBC-TR-138-T107C	Till	1.29	64.09	12.12	5.92	3.01	3.26	2.29	1.58	0.79	0.21	0.11	0.028	59	1001	107	136	<20	263	133	43
GBC-TR-139-T108C	Till	1.20	66.12	12.57	5.99	2.47	2.67	2.61	1.67	0.78	0.25	0.10	0.027	57	1040	97	93	<20	332	152	34
GBC-TR-140-T109-1	Till	1.57	66.46	12.42	5.66	2.45	2.77	2.67	1.67	0.78	0.24	0.11	0.026	50	1049	85	86	<20	336	147	40
GBC-TR-140-T109-2	Till	1.59	66.65	12.50	5.62	2.38	2.74	2.62	1.69	0.76	0.24	0.10	0.026	51	1044	86	84	<20	337	153	32
GBC-TR-143-T112C	Till	1.52	66.54	12.67	5.79	2.27	2.47	2.59	1.75	0.75	0.24	0.11	0.026	58	1054	92	94	<20	331	154	31
GBC-TR-144-T113C	Till	1.63	62.00	11.88	5.79	3.02	4.87	2.36	1.64	0.75	0.24	0.12	0.025	59	980	103	118	<20	320	138	32
GBC-TR-145-T114C	Till	1.11	63.68	12.09	5.65	2.53	4.28	2.40	1.63	0.76	0.23	0.11	0.023	58	1014	98	94	<20	318	139	43
GBC-TR-146-T115C	Till	1.33	64.59	12.15	5.70	2.55	3.87	2.43	1.63	0.76	0.23	0.11	0.025	55	980	97	93	<20	318	149	38
GBC-TR-147-T116C	Till	1.16	63.15	14.95	5.72	2.06	2.23	3.16	2.06	0.68	0.21	0.12	0.015	54	1281	105	68	<20	423	175	75
GBC-TR-148-T117C	Till	1.62	63.32	15.03	5.65	1.78	2.13	3.10	1.95	0.74	0.22	0.09	0.015	50	1233	99	53	<20	423	194	57
GBC-TR-149-T118C	Till	1.44	61.48	13.95	6.75	3.09	2.88	2.78	1.70	0.80	0.25	0.14	0.021	72	848	143	101	24	296	138	42
GBC-TR-150-T119C	Till	1.19	59.69	12.32	6.52	4.24	4.32	1.98	1.70	0.78	0.21	0.10	0.033	70	1204	144	194	21	266	141	34

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Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_1
Report Date: February 24, 2023

CERTIFICATE OF ANALYSIS VAN22003602.1

		Method	LF300	LF300	LF300	LF300	LF300	TC000	TC000	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		Analyte	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th
		Unit	ppm	ppm	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm
		MDL	3	5	1	-5.1	0.01	0.02	0.02	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1
GBC-TR-138-T107C	Till		19	11	15	6.3	99.93	0.57	<0.02	1.12	51.95	7.03	97.0	82	121.1	18.8	705	3.30	11.0	0.5	2.1	2.2
GBC-TR-139-T108C	Till		21	5	16	4.5	99.95	0.21	<0.02	0.86	50.36	6.19	85.8	73	79.4	14.9	621	3.19	10.7	0.4	2.6	2.2
GBC-TR-140-T109-1	Till		20	8	16	4.5	99.94	0.17	<0.02	0.76	49.20	5.64	79.1	84	78.7	15.5	690	3.15	9.6	0.4	48.5	2.1
GBC-TR-140-T109-2	Till		20	5	16	4.4	99.94	0.16	<0.02	0.68	45.52	5.02	73.6	69	74.6	14.7	628	3.05	8.7	0.4	2.2	1.9
GBC-TR-143-T112C	Till		21	11	16	4.5	99.95	0.19	<0.02	0.80	50.99	5.75	81.8	79	81.9	15.9	693	3.25	9.9	0.4	2.7	2.2
GBC-TR-144-T113C	Till		20	8	15	7.0	99.92	0.83	<0.02	0.94	52.81	6.70	93.5	112	105.2	19.9	811	3.23	9.9	0.5	2.2	2.2
GBC-TR-145-T114C	Till		20	6	15	6.4	99.95	0.64	<0.02	0.85	51.75	6.69	90.1	56	87.2	17.6	708	3.14	11.1	0.4	2.2	2.1
GBC-TR-146-T115C	Till		20	6	15	5.7	99.94	0.51	<0.02	0.99	50.15	6.02	87.5	85	81.6	16.5	690	3.13	11.3	0.4	1.9	2.1
GBC-TR-147-T116C	Till		21	12	14	5.3	99.95	0.15	<0.02	0.94	49.57	11.36	101.1	42	64.3	15.2	805	3.30	10.0	2.4	2.3	10.1
GBC-TR-148-T117C	Till		23	8	14	5.7	99.95	0.19	<0.02	0.84	44.09	9.67	89.6	34	50.8	11.3	587	3.17	7.9	2.0	2.3	8.9
GBC-TR-149-T118C	Till		21	<5	19	5.9	99.92	0.25	<0.02	2.90	63.41	7.32	127.5	86	91.3	23.3	950	3.74	14.6	0.7	2.0	2.1
GBC-TR-150-T119C	Till		21	<5	16	7.8	99.91	0.90	<0.02	2.30	64.99	8.62	138.0	135	169.3	23.3	701	3.69	13.0	0.5	2.3	2.3

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Bureau Veritas Commodities Canada Ltd.

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_1
Report Date: February 24, 2023

CERTIFICATE OF ANALYSIS VAN22003602.1

		Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		Analyte	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S
		Unit	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%
		MDL	0.5	0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02
GBC-TR-138-T107C	Till		56.0	0.63	0.81	0.11	71	1.49	0.087	11.5	90.2	1.23	228.0	0.106	<20	1.60	0.018	0.09	<0.1	6.9	0.25	<0.02
GBC-TR-139-T108C	Till		51.2	0.43	0.75	0.09	76	0.77	0.101	12.1	64.9	0.96	229.4	0.114	<20	1.59	0.023	0.10	<0.1	7.3	0.19	<0.02
GBC-TR-140-T109-1	Till		51.4	0.40	0.69	0.08	77	0.84	0.108	11.9	63.5	0.98	236.9	0.113	<20	1.61	0.026	0.09	<0.1	7.1	0.17	<0.02
GBC-TR-140-T109-2	Till		48.1	0.35	0.68	0.08	74	0.77	0.100	11.4	62.5	0.90	218.5	0.110	<20	1.54	0.025	0.09	<0.1	7.1	0.15	<0.02
GBC-TR-143-T112C	Till		46.0	0.34	0.69	0.09	78	0.67	0.099	12.0	66.6	0.86	224.0	0.110	<20	1.61	0.022	0.09	<0.1	7.6	0.19	<0.02
GBC-TR-144-T113C	Till		86.4	0.74	0.67	0.10	72	2.56	0.097	12.0	68.1	1.31	225.6	0.104	<20	1.55	0.022	0.11	<0.1	7.1	0.22	<0.02
GBC-TR-145-T114C	Till		72.5	0.53	0.78	0.10	71	2.06	0.095	11.7	65.4	1.02	240.6	0.094	<20	1.48	0.021	0.09	<0.1	6.9	0.21	<0.02
GBC-TR-146-T115C	Till		67.5	0.55	0.76	0.09	70	1.69	0.097	11.4	60.7	1.01	203.5	0.093	<20	1.43	0.020	0.09	<0.1	6.9	0.18	<0.02
GBC-TR-147-T116C	Till		58.1	0.19	0.53	0.14	68	0.65	0.093	31.8	52.2	0.90	276.5	0.089	<20	1.79	0.022	0.16	<0.1	7.2	0.25	<0.02
GBC-TR-148-T117C	Till		61.1	0.09	0.50	0.12	64	0.61	0.088	30.7	49.1	0.72	288.7	0.096	<20	1.75	0.020	0.13	<0.1	7.2	0.20	<0.02
GBC-TR-149-T118C	Till		41.3	0.75	0.67	0.23	92	0.82	0.099	10.2	71.0	1.27	206.1	0.105	<20	1.86	0.017	0.25	<0.1	9.0	0.29	<0.02
GBC-TR-150-T119C	Till		93.7	1.12	0.92	0.13	68	2.34	0.086	11.0	115.7	1.87	331.6	0.092	<20	1.62	0.016	0.12	<0.1	7.7	0.39	<0.02

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BUREAU VERITAS MINERAL LABORATORIES Canada

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_1
Report Date: February 24, 2023

CERTIFICATE OF ANALYSIS VAN22003602.1

		Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		Analyte	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
		Unit	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
		MDL	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
GBC-TR-138-T107C	Till		210	0.3	0.04	4.7	0.83	<0.1	0.10	0.11	6.5	0.7	<0.05	5.8	11.00	23.1	0.03	<1	0.5	11.0	<10	<2
GBC-TR-139-T108C	Till		200	0.2	0.04	4.7	0.80	<0.1	0.18	0.07	6.5	0.6	<0.05	9.3	11.10	22.2	0.03	<1	0.4	10.2	<10	<2
GBC-TR-140-T109-1	Till		197	0.2	0.03	4.7	0.75	<0.1	0.16	0.07	6.1	0.7	<0.05	8.5	11.22	23.0	0.02	<1	0.4	10.6	<10	<2
GBC-TR-140-T109-2	Till		177	0.2	0.03	4.6	0.69	<0.1	0.16	0.06	5.7	0.5	<0.05	8.5	10.60	21.6	0.02	<1	0.4	9.8	<10	<2
GBC-TR-143-T112C	Till		198	0.3	0.03	4.7	0.72	<0.1	0.14	0.08	6.0	0.4	<0.05	7.8	11.59	21.9	0.02	<1	0.5	10.7	<10	<2
GBC-TR-144-T113C	Till		225	0.3	0.04	4.6	0.87	<0.1	0.18	0.04	6.6	0.5	<0.05	8.5	11.39	24.4	0.03	<1	0.4	10.3	<10	3
GBC-TR-145-T114C	Till		232	0.3	0.04	4.5	0.84	<0.1	0.14	0.05	5.9	0.5	<0.05	7.4	10.96	23.1	0.03	<1	0.4	9.8	<10	<2
GBC-TR-146-T115C	Till		162	0.3	0.04	4.3	0.80	<0.1	0.16	0.05	5.9	0.6	<0.05	8.5	10.61	21.7	0.03	<1	0.4	9.2	<10	<2
GBC-TR-147-T116C	Till		147	0.2	0.04	5.2	1.50	<0.1	0.19	0.06	14.4	0.6	<0.05	10.5	12.43	53.1	0.03	<1	0.6	17.3	<10	<2
GBC-TR-148-T117C	Till		202	0.2	<0.02	5.1	1.30	<0.1	0.19	0.09	10.4	0.7	<0.05	11.3	14.89	48.7	0.03	<1	0.6	15.5	<10	<2
GBC-TR-149-T118C	Till		116	0.3	0.07	5.4	2.09	<0.1	0.18	0.04	16.1	0.6	<0.05	8.6	10.43	22.2	0.03	<1	0.5	15.1	<10	2
GBC-TR-150-T119C	Till		171	0.7	0.06	4.9	1.06	<0.1	0.23	0.06	7.4	0.5	<0.05	9.7	10.91	22.2	0.03	1	0.5	12.4	<10	<2

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_1
Report Date: February 24, 2023

QUALITY CONTROL REPORT VAN22003602.1

	Method	WGHT	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce
	Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30
GBC-10-037C	Till	0.81	64.67	13.44	6.40	2.56	1.92	2.04	1.59	0.82	0.22	0.13	0.022	76	1129	114	90	<20	247	151	35
GBC-10-078C	Till	0.82	65.52	13.47	6.65	2.01	1.76	1.81	1.95	0.76	0.28	0.13	0.017	86	983	113	50	<20	213	211	50
GBC-TR-130-T099C	Till	1.51	67.34	12.44	5.48	2.15	2.25	2.67	1.63	0.81	0.25	0.09	0.021	53	957	86	73	<20	308	134	<30
Pulp Duplicates																					
GBC-10-007C	Till	1.05	64.69	14.21	6.38	1.84	2.16	2.47	1.77	0.85	0.24	0.11	0.023	52	989	86	74	<20	317	202	51
REP GBC-10-007C	QC																				
GBC-10-010C	Till	0.92	67.98	13.12	5.59	1.52	2.29	2.70	1.69	0.92	0.19	0.08	0.022	41	910	62	49	<20	343	215	51
REP GBC-10-010C	QC		67.86	13.17	5.60	1.52	2.30	2.75	1.68	0.91	0.20	0.08	0.020	39	926	63	52	<20	345	214	59
GBC-10-012C	Till	0.58	64.06	14.47	5.98	1.94	2.10	2.39	1.90	0.82	0.21	0.10	0.016	46	1013	85	69	<20	319	177	49
REP GBC-10-012C	QC																				
GBC-10-042C	Till	0.64	62.94	14.21	7.26	2.28	1.36	1.73	1.55	0.78	0.13	0.10	0.021	89	1110	107	80	<20	193	150	<30
REP GBC-10-042C	QC		62.65	14.32	7.34	2.28	1.36	1.76	1.61	0.78	0.13	0.10	0.021	86	1103	109	83	<20	195	153	35
GBC-10-045C	Till	0.82	58.12	17.04	7.45	2.27	1.15	1.60	1.94	0.78	0.13	0.08	0.016	916	993	111	59	<20	194	151	42
REP GBC-10-045C	QC																				
GBC-10-050C	Till	0.56	58.37	17.60	7.14	2.07	0.97	1.52	1.95	0.81	0.13	0.09	0.014	62	917	112	55	<20	208	135	<30
REP GBC-10-050C	QC																				
GBC-TR-100-T069-2	Till	1.95	68.80	12.26	5.12	1.90	2.33	2.81	1.75	0.69	0.22	0.09	0.024	43	1055	69	60	<20	352	133	31
REP GBC-TR-100-T069-2	QC																				
GBC-TR-102-T071C	Till	1.55	63.62	13.19	6.20	2.34	2.32	2.57	1.96	0.69	0.25	0.12	0.025	68	1181	105	85	<20	343	122	<30
REP GBC-TR-102-T071C	QC		63.41	13.23	6.29	2.39	2.33	2.55	2.00	0.69	0.24	0.12	0.018	67	1191	106	76	20	343	143	35
GBC-TR-102-T071-b	Rock Pulp	0.06	72.06	12.04	3.73	1.64	3.39	3.47	1.43	0.37	0.12	0.06	0.010	22	443	33	26	<20	391	171	<30
REP GBC-TR-102-T071-b	QC		72.13	12.00	3.75	1.64	3.38	3.45	1.44	0.37	0.11	0.06	0.010	22	444	33	27	<20	390	164	35
GBC-TR-104-T073C	Till	1.37	62.40	12.88	6.24	2.76	4.32	2.64	1.97	0.72	0.26	0.11	0.024	59	1083	92	71	<20	393	129	<30
REP GBC-TR-104-T073C	QC																				
GBC-TR-131-T100C	Till	1.15	65.76	12.85	6.14	2.30	2.23	2.60	1.68	0.79	0.25	0.12	0.022	59	1040	102	95	<20	313	136	<30
REP GBC-TR-131-T100C	QC																				
GBC-TR-132-T101C	Till	1.15	65.06	11.93	5.25	2.49	4.50	2.58	1.68	0.74	0.23	0.10	0.022	47	996	83	77	<20	357	139	42
REP GBC-TR-132-T101C	QC		65.19	11.92	5.22	2.49	4.48	2.54	1.69	0.74	0.24	0.10	0.027	46	987	83	74	<20	356	138	<30
GBC-TR-133-T102C	Till	1.59	63.12	11.76	5.62	3.03	4.85	2.40	1.66	0.73	0.23	0.11	0.028	53	985	99	112	<20	329	130	32

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Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_1
Report Date: February 24, 2023

QUALITY CONTROL REPORT VAN22003602.1

	Method	LF300	LF300	LF300	LF300	LF300	TC000	TC000	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th
	Unit	ppm	ppm	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm
	MDL	3	5	1	-5.1	0.01	0.02	0.02	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1
GBC-10-037C	Till	25	8	18	5.9	99.94	0.27	<0.02	1.24	59.43	9.57	106.2	122	71.8	16.8	848	3.64	24.8	0.5	4.0	2.8
GBC-10-078C	Till	29	16	17	5.4	99.93	0.23	<0.02	1.65	89.14	13.62	106.4	93	44.3	15.3	972	3.98	17.5	0.5	3.2	4.5
GBC-TR-130-T099C	Till	20	6	15	4.7	99.96	0.18	<0.02	0.75	46.06	6.41	79.4	41	65.9	12.5	573	3.04	9.7	0.4	2.0	2.4
Pulp Duplicates																					
GBC-10-007C	Till	21	9	15	5.0	99.94	0.21	<0.02	1.09	44.02	9.83	73.1	28	60.6	13.1	661	3.31	9.4	0.8	2.3	3.7
REP GBC-10-007C	QC						0.22	<0.02													
GBC-10-010C	Till	24	9	14	3.7	99.96	0.15	<0.02	0.61	32.58	6.01	50.5	19	37.0	8.4	414	2.80	7.0	0.7	1.8	3.2
REP GBC-10-010C	QC	23	<5	14	3.7	99.96															
GBC-10-012C	Till	22	8	15	5.8	99.94	0.27	<0.02	0.68	37.18	9.81	75.6	52	51.8	12.8	630	3.28	7.9	0.6	1.4	3.5
REP GBC-10-012C	QC								0.74	38.76	10.42	74.0	56	52.5	12.6	636	3.29	7.9	0.7	1.5	3.5
GBC-10-042C	Till	25	15	20	7.4	99.92	0.42	<0.02	1.20	75.85	8.36	89.7	69	68.4	14.1	712	4.13	12.9	0.6	3.5	2.6
REP GBC-10-042C	QC	27	8	19	7.4	99.95															
GBC-10-045C	Till	21	12	21	9.1	99.94	0.72	<0.02	1.06	57.87	9.39	90.7	133	51.4	13.9	595	4.20	11.9	0.6	1.9	2.4
REP GBC-10-045C	QC						0.71	<0.02													
GBC-10-050C	Till	28	11	20	9.1	99.95	0.64	<0.02	0.71	54.87	9.09	94.5	199	48.3	12.8	644	4.14	11.4	0.9	1.8	2.2
REP GBC-10-050C	QC								0.73	54.32	9.13	94.9	203	48.6	12.8	643	4.13	11.1	0.9	1.6	2.2
GBC-TR-100-T069-2	Till	20	10	15	3.7	99.93	0.13	<0.02	0.61	41.12	5.34	62.2	27	54.1	10.4	598	2.87	8.5	0.5	2.5	2.0
REP GBC-TR-100-T069-2	QC						0.13	<0.02													
GBC-TR-102-T071C	Till	21	20	17	6.4	99.92	0.17	<0.02	1.26	63.38	6.84	94.2	96	76.5	15.8	831	3.55	13.0	0.5	2.7	2.8
REP GBC-TR-102-T071C	QC	22	10	17	6.4	99.92															
GBC-TR-102-T071-b	Rock Pulp	10	6	8	1.5	99.95	0.07	<0.02	0.62	22.87	1.86	19.7	18	16.4	5.4	249	1.39	0.7	0.4	0.4	2.7
REP GBC-TR-102-T071-b	QC	10	<5	8	1.5	99.95															
GBC-TR-104-T073C	Till	19	9	17	5.4	99.91	0.44	<0.02	0.75	59.23	5.99	82.3	96	68.0	15.0	663	3.42	11.9	0.4	3.0	2.1
REP GBC-TR-104-T073C	QC								0.76	59.23	5.80	82.4	100	67.8	15.0	667	3.42	12.2	0.4	5.8	2.1
GBC-TR-131-T100C	Till	21	5	16	5.0	99.95	0.18	<0.02	0.91	56.76	7.54	93.1	47	88.8	16.4	839	3.41	11.5	0.5	2.8	2.4
REP GBC-TR-131-T100C	QC						0.18	<0.02													
GBC-TR-132-T101C	Till	20	15	13	5.1	99.91	0.60	<0.02	0.70	38.63	5.41	69.3	47	60.9	13.1	574	2.68	8.5	0.4	2.2	2.0
REP GBC-TR-132-T101C	QC	19	24	14	5.1	99.92															
GBC-TR-133-T102C	Till	18	6	15	6.2	99.93	0.77	<0.02	1.01	49.25	6.25	90.2	72	101.4	17.6	696	3.02	10.4	0.5	2.8	2.1

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PHONE (604) 253-3158

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_1
Report Date: February 24, 2023

QUALITY CONTROL REPORT VAN22003602.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S
	Unit	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%
	MDL	0.5	0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02
GBC-10-037C	Till	41.5	0.51	1.56	0.31	71	0.59	0.088	12.6	65.2	0.98	379.9	0.081	<20	1.68	0.022	0.10	0.2	8.1	0.17	<0.02
GBC-10-078C	Till	35.1	0.36	1.28	0.18	72	0.54	0.117	17.5	48.5	0.75	189.6	0.056	<20	1.79	0.014	0.12	0.1	8.2	0.12	<0.02
GBC-TR-130-T099C	Till	52.3	0.24	0.76	0.10	71	0.71	0.109	13.7	59.2	0.83	187.7	0.110	<20	1.48	0.022	0.07	<0.1	6.7	0.13	<0.02
Pulp Duplicates																					
GBC-10-007C	Till	37.9	0.16	0.56	0.13	67	0.40	0.096	15.8	59.9	0.62	227.4	0.094	<20	1.58	0.012	0.12	<0.1	8.0	0.14	<0.02
REP GBC-10-007C	QC																				
GBC-10-010C	Till	42.4	0.10	0.48	0.09	64	0.37	0.082	17.1	49.4	0.46	182.7	0.105	<20	1.14	0.012	0.08	<0.1	6.5	0.10	<0.02
REP GBC-10-010C	QC																				
GBC-10-012C	Till	50.5	0.11	0.46	0.16	66	0.49	0.081	16.5	55.8	0.74	234.2	0.091	<20	1.59	0.020	0.12	<0.1	7.6	0.13	<0.02
REP GBC-10-012C	QC	50.4	0.10	0.47	0.17	67	0.49	0.084	16.9	56.8	0.74	225.1	0.093	<20	1.60	0.020	0.12	<0.1	7.3	0.14	<0.02
GBC-10-042C	Till	33.3	0.12	0.64	0.15	82	0.41	0.047	12.7	68.0	0.92	357.3	0.075	<20	2.10	0.018	0.10	<0.1	10.3	0.17	<0.02
REP GBC-10-042C	QC																				
GBC-10-045C	Till	39.6	0.05	0.51	0.15	76	0.42	0.045	10.3	58.5	0.95	265.1	0.040	<20	2.39	0.016	0.15	<0.1	10.1	0.14	<0.02
REP GBC-10-045C	QC																				
GBC-10-050C	Till	56.0	0.04	0.47	0.15	71	0.49	0.049	13.0	39.4	0.95	272.7	0.031	<20	2.42	0.023	0.15	<0.1	9.8	0.13	<0.02
REP GBC-10-050C	QC	56.2	0.04	0.49	0.15	71	0.49	0.049	13.5	39.5	0.95	276.9	0.032	<20	2.47	0.023	0.15	<0.1	9.9	0.13	<0.02
GBC-TR-100-T069-2	Till	41.7	0.35	0.69	0.06	77	0.58	0.091	11.9	55.8	0.68	224.7	0.127	<20	1.45	0.023	0.07	<0.1	7.6	0.14	<0.02
REP GBC-TR-100-T069-2	QC																				
GBC-TR-102-T071C	Till	48.2	0.51	0.97	0.10	88	0.68	0.098	12.5	62.3	0.94	286.2	0.119	<20	1.73	0.028	0.14	0.1	8.8	0.23	<0.02
REP GBC-TR-102-T071C	QC																				
GBC-TR-102-T071-b	Rock Pulp	25.7	0.03	0.05	0.02	21	0.59	0.050	14.9	24.1	0.43	48.2	0.067	<20	0.71	0.073	0.10	<0.1	2.3	0.06	<0.02
REP GBC-TR-102-T071-b	QC																				
GBC-TR-104-T073C	Till	70.4	0.44	0.83	0.09	91	1.79	0.111	11.2	63.9	1.06	227.8	0.127	<20	1.64	0.028	0.13	<0.1	7.8	0.16	<0.02
REP GBC-TR-104-T073C	QC	70.3	0.44	0.81	0.09	91	1.79	0.110	11.4	62.6	1.07	228.2	0.125	<20	1.64	0.029	0.13	<0.1	7.8	0.17	<0.02
GBC-TR-131-T100C	Till	57.0	0.46	0.75	0.10	76	0.68	0.104	13.8	64.0	0.90	249.9	0.112	<20	1.67	0.024	0.09	<0.1	7.9	0.20	<0.02
REP GBC-TR-131-T100C	QC																				
GBC-TR-132-T101C	Till	71.7	0.55	0.64	0.08	64	1.88	0.097	11.0	52.8	0.92	193.9	0.109	<20	1.24	0.024	0.09	<0.1	5.8	0.15	<0.02
REP GBC-TR-132-T101C	QC																				
GBC-TR-133-T102C	Till	85.0	0.69	0.80	0.09	67	2.39	0.099	11.3	67.0	1.25	207.1	0.104	<20	1.33	0.022	0.10	<0.1	6.5	0.22	<0.02

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_1
Report Date: February 24, 2023

QUALITY CONTROL REPORT VAN22003602.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
GBC-10-037C	Till	93	0.5	0.10	5.2	1.40	<0.1	0.21	0.04	6.8	0.4	<0.05	8.1	11.94	24.4	0.04	1	0.7	12.5	<10	4
GBC-10-078C	Till	91	0.6	0.06	5.2	2.75	<0.1	0.10	0.08	7.9	0.4	<0.05	5.2	15.97	31.3	0.03	<1	0.6	17.1	<10	3
GBC-TR-130-T099C	Till	163	0.2	0.04	4.5	0.75	<0.1	0.15	0.06	4.7	0.4	<0.05	7.7	12.16	25.1	0.02	<1	0.4	9.8	<10	<2
Pulp Duplicates																					
GBC-10-007C	Till	58	0.3	0.03	4.4	1.02	<0.1	0.15	0.11	8.0	1.0	<0.05	10.7	9.73	32.6	0.02	<1	0.7	8.3	<10	3
REP GBC-10-007C	QC																				
GBC-10-010C	Till	65	0.4	<0.02	3.7	0.96	<0.1	0.27	0.10	6.3	0.4	<0.05	11.6	11.98	31.9	0.03	<1	0.5	6.0	<10	2
REP GBC-10-010C	QC																				
GBC-10-012C	Till	50	0.2	0.02	5.0	1.40	<0.1	0.19	0.07	9.0	0.8	<0.05	9.9	11.34	29.9	0.03	1	0.5	10.3	<10	<2
REP GBC-10-012C	QC	52	0.3	0.03	4.9	1.41	<0.1	0.20	0.08	9.0	0.9	<0.05	10.2	11.44	29.7	0.03	<1	0.5	11.1	11	2
GBC-10-042C	Till	100	0.4	0.06	6.0	1.21	<0.1	0.16	0.09	7.7	0.4	<0.05	8.6	13.41	24.1	0.04	<1	0.7	11.6	<10	2
REP GBC-10-042C	QC																				
GBC-10-045C	Till	69	0.4	0.05	6.8	1.55	<0.1	0.07	0.16	10.1	0.5	<0.05	4.2	9.10	20.9	0.04	1	0.7	15.2	<10	<2
REP GBC-10-045C	QC																				
GBC-10-050C	Till	67	0.2	0.05	6.9	1.69	<0.1	0.09	0.08	9.3	0.5	<0.05	4.8	15.90	21.1	0.04	<1	0.9	17.7	<10	<2
REP GBC-10-050C	QC	76	0.4	0.05	6.9	1.78	<0.1	0.09	0.08	9.5	0.5	<0.05	4.7	16.04	21.6	0.04	<1	0.8	17.7	<10	<2
GBC-TR-100-T069-2	Till	165	0.3	0.03	4.3	0.49	<0.1	0.22	0.09	4.4	0.3	<0.05	10.2	12.19	22.1	0.02	<1	0.4	8.1	<10	<2
REP GBC-TR-100-T069-2	QC																				
GBC-TR-102-T071C	Till	209	0.4	0.04	5.4	0.90	<0.1	0.27	0.06	8.3	0.5	<0.05	11.9	11.75	22.2	0.03	<1	0.5	11.8	<10	<2
REP GBC-TR-102-T071C	QC																				
GBC-TR-102-T071-b	Rock Pulp	<5	<0.1	<0.02	2.3	0.33	<0.1	0.16	0.18	5.9	0.3	<0.05	5.1	4.79	25.8	<0.02	<1	0.2	6.4	<10	<2
REP GBC-TR-102-T071-b	QC																				
GBC-TR-104-T073C	Till	255	0.3	0.06	5.2	0.82	<0.1	0.25	0.06	7.3	0.4	<0.05	10.7	10.63	20.6	0.02	<1	0.5	11.4	<10	2
REP GBC-TR-104-T073C	QC	222	0.2	0.05	5.2	0.82	<0.1	0.23	0.05	7.3	0.4	<0.05	10.1	11.00	21.0	0.03	<1	0.5	11.3	<10	<2
GBC-TR-131-T100C	Till	211	0.3	0.04	5.0	0.85	<0.1	0.16	0.06	6.2	0.6	<0.05	8.6	12.35	25.5	0.03	<1	0.5	10.5	<10	<2
REP GBC-TR-131-T100C	QC																				
GBC-TR-132-T101C	Till	154	0.2	0.03	3.9	0.68	<0.1	0.24	0.06	5.6	0.5	<0.05	10.1	9.98	21.5	0.02	<1	0.3	8.5	<10	2
REP GBC-TR-132-T101C	QC																				
GBC-TR-133-T102C	Till	213	0.3	0.03	4.3	0.75	<0.1	0.25	0.06	5.9	0.6	<0.05	10.6	10.71	22.4	0.03	<1	0.4	9.9	<10	2

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Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_1
Report Date: February 24, 2023

QUALITY CONTROL REPORT VAN22003602.1

		WGHT	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
		Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce
		kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30
REP GBC-TR-133-T102C	QC		63.16	11.74	5.60	3.03	4.84	2.43	1.63	0.74	0.23	0.11	0.029	53	984	99	115	<20	331	133	<30
GBC-TR-134-T103C	Till	1.34	62.39	12.24	5.97	2.70	4.68	2.41	1.64	0.75	0.24	0.12	0.024	57	993	99	101	<20	331	142	37
REP GBC-TR-134-T103C	QC																				
Reference Materials																					
STD DS11	Standard																				
STD DS11	Standard																				
STD DS11	Standard																				
STD DS11	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD OREAS279	Standard																				
STD OREAS262	Standard																				
STD OREAS262	Standard																				
STD OREAS279	Standard																				
STD OREAS262	Standard																				
STD OREAS262	Standard																				
STD SO-19	Standard		60.70	13.84	7.39	2.86	5.97	4.05	1.29	0.70	0.32	0.13	0.498	69	466	79	469	20	311	111	147
STD SO-19	Standard		60.99	13.80	7.30	2.84	5.86	4.05	1.30	0.69	0.32	0.13	0.490	68	458	79	460	23	308	111	154
STD SO-19	Standard		60.88	13.68	7.34	2.86	5.95	4.06	1.35	0.69	0.32	0.13	0.494	71	469	81	479	21	310	111	146
STD SO-19	Standard		60.78	13.90	7.37	2.90	5.91	3.99	1.24	0.70	0.33	0.13	0.493	66	465	80	475	23	310	112	165
STD SO-19	Standard		60.72	13.91	7.40	2.89	5.91	4.02	1.26	0.70	0.32	0.13	0.491	66	468	80	471	22	310	114	158
STD SO-19	Standard		60.78	13.90	7.39	2.87	5.92	4.01	1.25	0.70	0.32	0.13	0.488	65	463	79	470	23	310	113	146
STD SO-19	Standard		60.68	13.95	7.29	2.90	5.84	4.14	1.32	0.70	0.32	0.13	0.493	64	467	79	471	22	314	121	153
STD SO-19	Standard		60.46	14.06	7.31	2.90	5.87	4.15	1.33	0.70	0.33	0.13	0.501	64	471	78	472	22	316	120	156
STD SO-19	Standard		60.50	14.01	7.45	2.90	5.98	3.98	1.25	0.70	0.33	0.13	0.502	70	481	84	484	20	318	116	162

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Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_1
Report Date: February 24, 2023

QUALITY CONTROL REPORT VAN22003602.1

		LF300 Y ppm 3	LF300 Nb ppm 5	LF300 Sc ppm 1	LF300 LOI % -5.1	LF300 Sum % 0.01	TC000 TOT/C % 0.02	TC000 TOT/S % 0.02	AQ250 Mo ppm 0.01	AQ250 Cu ppm 0.01	AQ250 Pb ppm 0.01	AQ250 Zn ppm 0.1	AQ250 Ag ppb 2	AQ250 Ni ppm 0.1	AQ250 Co ppm 0.1	AQ250 Mn ppm 1	AQ250 Fe % 0.01	AQ250 As ppm 0.1	AQ250 U ppm 0.1	AQ250 Au ppb 0.2	AQ250 Th ppm 0.1
REP GBC-TR-133-T102C	QC	19	<5	15	6.2	99.94															
GBC-TR-134-T103C	Till	20	8	16	6.6	99.94	0.75	<0.02	1.18	54.36	6.59	89.9	105	91.8	18.4	808	3.23	11.0	0.4	2.6	2.2
REP GBC-TR-134-T103C	QC								1.15	54.50	7.14	88.2	104	90.6	18.2	802	3.21	10.9	0.4	2.3	2.2
Reference Materials																					
STD DS11	Standard								12.47	148.38	132.15	345.9	1859	79.0	13.0	1066	3.09	42.9	2.3	57.4	6.8
STD DS11	Standard								12.05	150.66	132.19	341.6	1658	79.9	13.2	1038	3.05	44.1	2.4	226.4	7.0
STD DS11	Standard								13.22	142.30	143.32	352.3	1731	81.2	13.7	1020	3.04	44.2	3.0	46.1	8.4
STD DS11	Standard								14.08	149.02	133.11	349.8	1565	82.2	14.1	1033	3.09	43.8	2.2	47.1	6.9
STD GS311-1	Standard						1.00	2.25													
STD GS311-1	Standard						1.05	2.26													
STD GS311-1	Standard						1.06	2.21													
STD GS910-4	Standard						2.62	7.94													
STD GS910-4	Standard						2.59	7.94													
STD GS910-4	Standard						2.74	8.39													
STD OREAS279	Standard						1.16	1.18													
STD OREAS262	Standard								0.60	116.86	51.09	150.9	456	63.9	27.6	549	3.27	36.2	1.1	56.7	8.0
STD OREAS262	Standard								0.59	115.82	52.33	148.8	456	64.2	28.0	547	3.22	36.1	1.1	58.2	8.3
STD OREAS279	Standard						1.22	1.20													
STD OREAS262	Standard								0.69	111.64	57.81	153.9	456	64.7	28.0	538	3.20	37.4	1.2	58.3	10.2
STD OREAS262	Standard								0.60	114.07	52.59	147.2	446	62.1	26.5	533	3.20	35.8	1.1	55.2	8.3
STD SO-19	Standard	34	70	26	1.9	99.90															
STD SO-19	Standard	33	71	26	1.9	99.92															
STD SO-19	Standard	35	75	27	1.9	99.90															
STD SO-19	Standard	35	76	27	1.9	99.90															
STD SO-19	Standard	35	82	26	1.9	99.90															
STD SO-19	Standard	35	75	26	1.9	99.91															
STD SO-19	Standard	35	68	26	1.9	99.91															
STD SO-19	Standard	35	71	26	1.9	99.89															
STD SO-19	Standard	37	77	27	1.9	99.91															

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BUREAU VERITAS
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Canada

www.bvna.com/mining-laboratory-services

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_1
Report Date: February 24, 2023

QUALITY CONTROL REPORT VAN22003602.1

		AQ250 Sr ppm 0.5	AQ250 Cd ppm 0.01	AQ250 Sb ppm 0.02	AQ250 Bi ppm 0.02	AQ250 V ppm 1	AQ250 Ca % 0.01	AQ250 P % 0.001	AQ250 La ppm 0.5	AQ250 Cr ppm 0.5	AQ250 Mg % 0.01	AQ250 Ba ppm 0.5	AQ250 Ti % 0.001	AQ250 B ppm 20	AQ250 Al % 0.01	AQ250 Na % 0.001	AQ250 K % 0.01	AQ250 W ppm 0.1	AQ250 Sc ppm 0.1	AQ250 Tl ppm 0.02	AQ250 S % 0.02
REP GBC-TR-133-T102C	QC																				
GBC-TR-134-T103C	Till	80.1	0.62	0.79	0.10	72	2.32	0.100	11.6	67.6	1.08	215.4	0.101	<20	1.51	0.022	0.10	<0.1	7.3	0.20	<0.02
REP GBC-TR-134-T103C	QC	79.9	0.61	0.71	0.10	74	2.25	0.097	11.8	67.9	1.06	223.7	0.101	<20	1.50	0.023	0.11	<0.1	7.4	0.21	<0.02
Reference Materials																					
STD DS11	Standard	63.5	2.35	6.58	11.14	49	1.05	0.068	16.4	57.8	0.84	403.4	0.090	<20	1.11	0.075	0.39	2.8	3.0	4.79	0.29
STD DS11	Standard	61.4	2.38	6.74	11.29	48	1.04	0.069	15.4	58.2	0.84	390.3	0.086	<20	1.07	0.072	0.38	2.8	2.9	4.83	0.29
STD DS11	Standard	63.1	2.40	7.63	12.09	48	1.04	0.073	16.8	60.1	0.83	394.6	0.090	<20	1.08	0.071	0.39	2.5	3.1	4.91	0.28
STD DS11	Standard	67.1	2.26	6.94	10.59	49	1.04	0.069	16.8	59.3	0.85	392.2	0.093	<20	1.08	0.077	0.39	2.7	3.0	4.90	0.28
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD OREAS279	Standard																				
STD OREAS262	Standard	34.8	0.64	3.12	0.86	21	2.95	0.038	15.2	41.0	1.21	232.5	0.003	<20	1.20	0.069	0.30	0.1	3.0	0.43	0.27
STD OREAS262	Standard	34.4	0.60	3.03	0.88	21	2.92	0.037	14.5	41.6	1.21	235.9	0.003	<20	1.19	0.068	0.29	0.1	3.0	0.43	0.27
STD OREAS279	Standard																				
STD OREAS262	Standard	35.3	0.65	3.53	1.06	21	2.99	0.040	15.9	42.2	1.17	246.1	0.003	<20	1.16	0.068	0.29	0.1	3.2	0.44	0.26
STD OREAS262	Standard	34.0	0.60	3.14	0.90	20	2.93	0.037	14.6	40.2	1.16	223.7	0.003	<20	1.15	0.068	0.29	0.1	2.8	0.42	0.25
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_1
Report Date: February 24, 2023

QUALITY CONTROL REPORT VAN22003602.1

		AQ250 Hg ppb 5	AQ250 Se ppm 0.1	AQ250 Te ppm 0.02	AQ250 Ga ppm 0.1	AQ250 Cs ppm 0.02	AQ250 Ge ppm 0.1	AQ250 Hf ppm 0.02	AQ250 Nb ppm 0.02	AQ250 Rb ppm 0.1	AQ250 Sn ppm 0.1	AQ250 Ta ppm 0.05	AQ250 Zr ppm 0.1	AQ250 Y ppm 0.01	AQ250 Ce ppm 0.1	AQ250 In ppm 0.02	AQ250 Re ppb 1	AQ250 Be ppm 0.1	AQ250 Li ppm 0.1	AQ250 Pd ppb 10	AQ250 Pt ppb 2
REP GBC-TR-133-T102C	QC																				
GBC-TR-134-T103C	Till	453	0.3	0.04	4.7	0.85	<0.1	0.19	0.06	6.8	0.6	<0.05	9.7	11.04	22.2	0.03	<1	0.4	10.4	<10	2
REP GBC-TR-134-T103C	QC	279	0.4	0.05	4.7	0.90	<0.1	0.17	0.05	6.8	0.7	<0.05	8.8	11.06	23.5	0.03	<1	0.5	10.3	<10	2
Reference Materials																					
STD DS11	Standard	237	2.3	4.67	4.7	2.73	<0.1	0.06	1.34	33.9	1.6	<0.05	2.7	7.41	33.8	0.22	45	0.6	22.6	95	169
STD DS11	Standard	269	2.4	4.77	4.5	2.67	<0.1	0.06	1.21	33.0	1.7	<0.05	2.7	7.02	31.7	0.22	45	0.6	22.4	94	169
STD DS11	Standard	268	2.4	4.68	4.7	2.72	<0.1	0.06	1.20	32.5	1.7	<0.05	3.1	7.27	33.6	0.25	46	0.6	23.0	89	168
STD DS11	Standard	232	2.4	4.87	4.8	2.73	<0.1	0.06	1.28	34.2	1.7	<0.05	2.7	8.07	34.1	0.23	44	0.7	22.3	99	162
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD OREAS279	Standard																				
STD OREAS262	Standard	154	0.6	0.22	3.6	2.35	<0.1	0.23	<0.02	17.1	0.5	<0.05	10.1	10.19	30.7	0.03	<1	1.1	16.9	<10	<2
STD OREAS262	Standard	161	0.5	0.22	3.5	2.29	<0.1	0.23	<0.02	17.3	0.5	<0.05	10.1	10.16	28.6	0.03	<1	1.1	16.6	<10	<2
STD OREAS279	Standard																				
STD OREAS262	Standard	172	0.7	0.22	3.8	2.45	<0.1	0.24	<0.02	17.5	0.5	<0.05	9.0	10.34	31.8	0.03	<1	1.0	16.8	<10	<2
STD OREAS262	Standard	158	0.6	0.22	3.5	2.25	<0.1	0.20	<0.02	18.3	0.5	<0.05	9.2	10.77	29.7	0.03	1	1.0	16.5	<10	<2
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_1
Report Date: February 24, 2023

QUALITY CONTROL REPORT VAN22003602.1

		WGHT	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
		Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce
		kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	5	5	20	20	2	5	30
STD SO-19	Standard		60.41	14.03	7.43	2.89	5.95	4.09	1.25	0.71	0.33	0.13	0.509	73	484	85	494	24	318	116	168
STD SO-19	Standard		60.63	13.91	7.37	2.90	5.96	4.03	1.29	0.70	0.32	0.13	0.500	70	467	80	474	21	311	106	160
STD SO-19	Standard		60.49	13.95	7.37	2.89	5.98	4.13	1.26	0.70	0.33	0.13	0.498	73	476	83	478	23	318	108	169
STD SO-19	Standard		60.77	13.90	7.32	2.86	5.89	4.07	1.32	0.70	0.32	0.13	0.500	69	466	79	475	20	316	108	142
STD SO-19	Standard		60.76	13.87	7.40	2.85	5.82	4.10	1.32	0.70	0.32	0.13	0.498	65	469	78	474	<20	316	107	145
STD GS910-4 Expected																					
STD OREAS279 Expected																					
STD GS311-1 Expected																					
STD DS11 Expected																					
STD OREAS262 Expected																					
STD SO-19 Expected			61.13	13.95	7.47	2.88	6	4.11	1.29	0.69	0.32	0.13	0.5	69	486	75	470	24	317.1	112	161
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank		0.03	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	6	<5	<5	<20	<20	<2	<5	<30
BLK	Blank																				
BLK	Blank		0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<5	<5	11	<20	<20	<2	<5	<30
BLK	Blank		<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<5	<5	<5	<20	<20	<2	<5	<30
BLK	Blank		0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<5	<5	<5	<20	<20	<2	<5	<30
BLK	Blank		0.03	0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	5	<5	<5	<20	<20	<2	<5	<30
BLK	Blank		0.02	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<5	<5	<5	<20	<20	<2	<5	<30
BLK	Blank		<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<5	<5	<5	<20	<20	<2	<5	<30

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

Client: **Noble Exploration Services Ltd.**
3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_1
Report Date: February 24, 2023

QUALITY CONTROL REPORT VAN22003602.1

		LF300 Y ppm 3	LF300 Nb ppm 5	LF300 Sc ppm 1	LF300 LOI % -5.1	LF300 Sum % 0.01	TC000 TOT/C % 0.02	TC000 TOT/S % 0.02	AQ250 Mo ppm 0.01	AQ250 Cu ppm 0.01	AQ250 Pb ppm 0.01	AQ250 Zn ppm 0.1	AQ250 Ag ppb 2	AQ250 Ni ppm 0.1	AQ250 Co ppm 0.1	AQ250 Mn ppm 1	AQ250 Fe % 0.01	AQ250 As ppm 0.1	AQ250 U ppm 0.1	AQ250 Au ppb 0.2	AQ250 Th ppm 0.1
STD SO-19	Standard	36	77	27	1.9	99.91															
STD SO-19	Standard	35	73	26	1.9	99.90															
STD SO-19	Standard	37	79	27	1.9	99.91															
STD SO-19	Standard	34	73	26	1.9	99.92															
STD SO-19	Standard	34	72	27	1.9	99.92															
STD GS910-4 Expected							2.65	8.27													
STD OREAS279 Expected							1.13	1.27													
STD GS311-1 Expected							1.02	2.35													
STD DS11 Expected									13.9	149	138	345	1710	77.7	14.2	1055	3.1	42.8	2.59	79	7.65
STD OREAS262 Expected									0.68	118	56	154	450	62	26.9	530	3.284	35.8	1.22	65	9.33
STD SO-19 Expected		35.5	68.5	27																	
BLK	Blank						<0.02	<0.02													
BLK	Blank						<0.02	<0.02													
BLK	Blank								<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1
BLK	Blank								<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1
BLK	Blank						<0.02	<0.02													
BLK	Blank						<0.02	<0.02													
BLK	Blank								<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	0.3	<0.1	<0.2	<0.1
BLK	Blank	<3	<5	<1	0.0	0.02															
BLK	Blank								<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1
BLK	Blank	<3	<5	<1	0.0	0.02															
BLK	Blank	<3	<5	<1	0.0	<0.01															
BLK	Blank	<3	<5	<1	0.0	<0.01															
BLK	Blank	<3	<5	<1	0.0	0.08															
BLK	Blank	<3	<5	<1	0.0	0.02															
BLK	Blank	<3	5	<1	0.0	0.02															

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3890 Trailhead Drive
Jordan River British Columbia V9Z 1L1 Canada

Project: CICGR22_TILL_RE_1
Report Date: February 24, 2023

QUALITY CONTROL REPORT VAN22003602.1

		AQ250 Sr ppm 0.5	AQ250 Cd ppm 0.01	AQ250 Sb ppm 0.02	AQ250 Bi ppm 0.02	AQ250 V ppm 1	AQ250 Ca % 0.01	AQ250 P % 0.001	AQ250 La ppm 0.5	AQ250 Cr ppm 0.5	AQ250 Mg % 0.01	AQ250 Ba ppm 0.5	AQ250 Ti % 0.001	AQ250 B ppm 20	AQ250 Al % 0.01	AQ250 Na % 0.001	AQ250 K % 0.01	AQ250 W ppm 0.1	AQ250 Sc ppm 0.1	AQ250 Tl ppm 0.02	AQ250 S % 0.02
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD GS910-4 Expected																					
STD OREAS279 Expected																					
STD GS311-1 Expected																					
STD DS11 Expected		67.3	2.37	7.2	12.2	50	1.063	0.0701	18.6	61.5	0.85	417	0.0976		1.129	0.0694	0.4	2.9	3.1	4.9	0.2835
STD OREAS262 Expected		36	0.61	3.39	1.03	22.5	2.98	0.04	15.9	41.7	1.17	248	0.003		1.3	0.071	0.312	0.13	3.24	0.47	0.269
STD SO-19 Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02
BLK	Blank	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02
BLK	Blank																				
BLK	Blank	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02
BLK	Blank																				
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Project: CICGR22_TILL_RE_1
Report Date: February 24, 2023

QUALITY CONTROL REPORT VAN22003602.1

		AQ250 Hg ppb 5	AQ250 Se ppm 0.1	AQ250 Te ppm 0.02	AQ250 Ga ppm 0.1	AQ250 Cs ppm 0.02	AQ250 Ge ppm 0.1	AQ250 Hf ppm 0.02	AQ250 Nb ppm 0.02	AQ250 Rb ppm 0.1	AQ250 Sn ppm 0.1	AQ250 Ta ppm 0.05	AQ250 Zr ppm 0.1	AQ250 Y ppm 0.01	AQ250 Ce ppm 0.1	AQ250 In ppm 0.02	AQ250 Re ppb 1	AQ250 Be ppm 0.1	AQ250 Li ppm 0.1	AQ250 Pd ppb 10	AQ250 Pt ppb 2
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD GS910-4 Expected																					
STD OREAS279 Expected																					
STD GS311-1 Expected																					
STD DS11 Expected		260	2.2	4.56	4.7	2.88	0.08	0.06	1.2	33.6	1.8		2.4	7.82	37	0.24	50	0.67	23.3	100	172
STD OREAS262 Expected		170	0.4	0.23	3.9	2.8		0.17		18.6	0.5		7.7	11.2	32	0.033		1.14	17.8		
STD SO-19 Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	0.3	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank																				
BLK	Blank	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank																				
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