



**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

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.

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

CC:

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



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



BUREAU MINERAL LABORATORIES
VERITAS 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_03
Report Date: March 10, 2021

Page: 2 of 5

Part: 1 of 4

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	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.	
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.	
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



BUREAU MINERAL LABORATORIES
VERITAS 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_03
Report Date: March 10, 2021

Page: 2 of 5

Part: 2 of 4

CERTIFICATE OF ANALYSIS

VAN21000089.1

	Method Analyte Unit MDL	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	Ti	S	Hg	Se	Te	Ga	Cs	Ge
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	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
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	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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	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
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
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
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
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
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
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
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
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



BUREAU MINERAL LABORATORIES
VERITAS 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_03
Report Date: March 10, 2021

Page: 2 of 5

Part: 3 of 4

CERTIFICATE OF ANALYSIS

VAN21000089.1

Method Analyte Unit MDL	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	
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	0.07	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.	
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



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

Page: 2 of 5

Part: 4 of 4

CERTIFICATE OF ANALYSIS

VAN21000089.1

	Method Analyte Unit MDL	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
		TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
		%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
		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



BUREAU MINERAL LABORATORIES
VERITAS 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_03
Report Date: March 10, 2021

Page: 3 of 5

Part: 1 of 4

CERTIFICATE OF ANALYSIS

VAN21000089.1

	Method Analyte Unit MDL	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		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



BUREAU MINERAL LABORATORIES
VERITAS 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_03
Report Date: March 10, 2021

Page: 3 of 5

Part: 2 of 4

CERTIFICATE OF ANALYSIS

VAN21000089.1

	Method Analyte Unit MDL	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	Ti	S	Hg	Se	Te	Ga	Cs	Ge
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	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
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
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
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
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
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
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
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
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
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
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
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	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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



BUREAU MINERAL LABORATORIES
VERITAS 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_03
Report Date: March 10, 2021

Page: 3 of 5

Part: 3 of 4

CERTIFICATE OF ANALYSIS

VAN21000089.1

Method Analyte Unit MDL	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 %	LF300 Al2O3 %	LF300 Fe2O3 %	LF300 MgO %	LF300 CaO %	LF300 Na2O %	LF300 K2O %	
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



BUREAU MINERAL LABORATORIES
VERITAS 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_03
Report Date: March 10, 2021

Page: 3 of 5

Part: 4 of 4

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



BUREAU MINERAL LABORATORIES
VERITAS 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_03
Report Date: March 10, 2021

Page: 4 of 5

Part: 1 of 4

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	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.	
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



BUREAU MINERAL LABORATORIES
VERITAS 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_03
Report Date: March 10, 2021

Page: 4 of 5

Part: 2 of 4

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	Ti	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.	
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



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

Page: 4 of 5

Part: 3 of 4

CERTIFICATE OF ANALYSIS

VAN21000089.1

Method Analyte Unit MDL	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	
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	0.06	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



BUREAU MINERAL LABORATORIES
VERITAS 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_03
Report Date: March 10, 2021

Page: 4 of 5

Part: 4 of 4

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.
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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



BUREAU MINERAL LABORATORIES
VERITAS 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_03
Report Date: March 10, 2021

Page: 5 of 5

Part: 1 of 4

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	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



BUREAU MINERAL LABORATORIES
VERITAS 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_03
Report Date: March 10, 2021

Page: 5 of 5

Part: 2 of 4

CERTIFICATE OF ANALYSIS

VAN21000089.1

Method Analyte Unit MDL	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 Ti 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	
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



BUREAU MINERAL LABORATORIES
VERITAS 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_03
Report Date: March 10, 2021

Page: 5 of 5

Part: 3 of 4

CERTIFICATE OF ANALYSIS

VAN21000089.1

Method	AQ250	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-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



BUREAU MINERAL LABORATORIES
VERITAS 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_03
Report Date: March 10, 2021

Page: 5 of 5

Part: 4 of 4

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



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

Page: 1 of 3

Part: 1 of 4

QUALITY CONTROL REPORT

VAN21000089.1

	Method Analyte Unit MDL	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		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 BVGE001	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 BVGE001	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



**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_03

Report Date: March 10, 2021

Page: 1 of 3

Part: 2 of 4

QUALITY CONTROL REPORT

VAN21000089.1

	Method Analyte Unit MDL	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	Ti	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
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



**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_03

Report Date: March 10, 2021

Page: 1 of 3

Part: 3 of 4

QUALITY CONTROL REPORT

VAN21000089.1

	Method Analyte Unit MDL	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300	LF300	LF300	LF300	LF300	LF300	LF300
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%	%	%	%	%	%	
		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								



**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_03
Report Date: March 10, 2021

Page: 1 of 3

Part: 4 of 4

QUALITY CONTROL REPORT

VAN21000089.1

	Method Analyte Unit MDL	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
		TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
		%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
		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 BVGE001	Standard																			
STD BVGE001	Standard																			



**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_03

Report Date: March 10, 2021

Page: 2 of 3

Part: 1 of 4

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																				
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																				



**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_03

Report Date: March 10, 2021

Page: 2 of 3

Part: 2 of 4

QUALITY CONTROL REPORT

VAN21000089.1

		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 Ti 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 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																				
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																				



**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_03

Report Date: March 10, 2021

Page: 2 of 3

Part: 3 of 4

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 %	LF300 Al2O3 %	LF300 Fe2O3 %	LF300 MgO %	LF300 CaO %	LF300 Na2O %	LF300 K2O %
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 BVGE001 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



**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_03

Report Date: March 10, 2021

Page: 2 of 3

Part: 4 of 4

QUALITY CONTROL REPORT

VAN21000089.1

		LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000	
		TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
		%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
		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
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 BVGE001 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		



**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_03
Report Date: March 10, 2021

Page: 3 of 3

Part: 1 of 4

QUALITY CONTROL REPORT

VAN21000089.1

		AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		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																				
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																				



**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_03

Report Date: March 10, 2021

Page: 3 of 3

Part: 2 of 4

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	Ti	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																				



**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_03
Report Date: March 10, 2021

Page: 3 of 3

Part: 3 of 4

QUALITY CONTROL REPORT

VAN21000089.1

		AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300	LF300	LF300	LF300	LF300	LF300	LF300
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	%	%	%	%	%	%
		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
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



**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_03

Report Date: March 10, 2021

Page: 3 of 3

Part: 4 of 4

QUALITY CONTROL REPORT

VAN21000089.1

		LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC000
		TiO2	P2O5	MnO	Cr2O3	Cu	Ba	Zn	Ni	Co	Sr	Zr	Ce	Y	Nb	Sc	LOI	Sum	TOT/C	TOT/S
		%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
		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
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		