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www.alsglobal.com/geochemistry

To: PLAINVIEW GEOSCIENCE
105 GRANITE ST
WHITEHORSE YT Y1A 2V8

Page: 1
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Plus Appendix Pages
Finalized Date: 4-AUG-2023
Account: GEOPLAIN

CERTIFICATE WH23195931

Project: Bonavista

This report is for 29 samples of Rock submitted to our lab in Whitehorse, YT, Canada on 14-JUL-2023.

The following have access to data associated with this certificate:

CHRIS ARSENAULT

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61	33 element four acid ICP-AES	ICP-AES
Au-ICP22	Au 50g FA ICP-AES finish	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, Director, North Vancouver Operations



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CERTIFICATE OF ANALYSIS WH23195931

Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP22	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
		0.02	0.001	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10
ST067801		2.79	<0.001	<0.5	6.58	8	30	<0.5	<2	13.30	<0.5	22	76	309	3.31	10
ST067802		2.51	0.002	<0.5	10.25	95	10	0.7	<2	14.45	<0.5	4	7	17	8.22	50
ST067803		3.04	<0.001	<0.5	6.09	<5	80	0.7	<2	4.82	<0.5	23	46	37	4.57	10
ST067804		3.81	0.001	<0.5	7.29	<5	10	<0.5	16	0.93	<0.5	60	110	365	15.75	20
ST067805		3.46	0.001	<0.5	5.90	21	<10	<0.5	2	5.99	<0.5	33	49	42	9.61	20
ST067806		1.07	0.002	0.5	3.06	45	<10	<0.5	3	2.02	<0.5	18	17	1045	5.44	10
ST067807		2.27	<0.001	<0.5	6.26	<5	30	1.2	<2	0.62	<0.5	2	13	23	1.11	20
ST067808		1.47	0.001	<0.5	6.02	<5	30	2.0	<2	0.28	<0.5	3	34	4	1.59	20
ST067809		2.24	0.005	<0.5	5.25	<5	10	<0.5	<2	4.83	<0.5	25	12	2	9.36	30
D866251		2.18	0.001	<0.5	7.02	7	20	1.4	2	1.83	<0.5	5	18	10	4.27	20
D866252		1.12	<0.001	<0.5	6.06	<5	30	3.4	<2	0.55	<0.5	3	28	4	1.17	20
D866253		1.06	<0.001	<0.5	7.04	<5	190	0.9	2	5.06	<0.5	32	5	15	10.50	20
D866254		0.94	0.001	<0.5	6.41	5	1190	1.8	<2	1.06	<0.5	13	19	88	1.30	20
D866255		1.33	0.001	<0.5	4.10	<5	30	<0.5	<2	2.19	<0.5	15	195	255	2.73	10
D866256		1.21	<0.001	<0.5	6.85	<5	400	2.4	<2	0.83	<0.5	1	33	3	2.85	20
D866257		1.21	<0.001	<0.5	6.32	7	10	<0.5	<2	3.02	<0.5	41	104	2	12.05	20
D866258		1.41	0.002	6.0	0.40	<5	<10	<0.5	11	0.97	<0.5	5	20	2310	1.23	<10
D866259		1.28	0.002	7.6	0.05	<5	<10	<0.5	15	1.25	<0.5	6	22	2480	0.87	<10
D866260		1.12	0.001	<0.5	5.92	17	10	<0.5	<2	3.45	<0.5	31	109	236	8.91	20
D866261		0.94	<0.001	<0.5	6.81	<5	100	1.0	2	3.11	<0.5	24	52	12	4.60	20
D866262		1.38	<0.001	<0.5	7.71	8	40	0.7	<2	3.15	<0.5	32	57	25	6.13	20
D866263		1.13	<0.001	<0.5	3.93	<5	20	0.6	<2	2.37	<0.5	8	44	34	2.61	10
D866264		0.98	<0.001	<0.5	3.82	<5	20	0.6	<2	0.95	<0.5	1	25	4	1.11	10
D866265		1.41	<0.001	<0.5	5.89	<5	120	1.7	<2	0.54	<0.5	1	16	3	1.13	20
D866266		1.25	<0.001	<0.5	6.14	7	30	1.1	<2	2.28	<0.5	1	15	73	1.32	20
D866267		1.08	0.010	<0.5	2.71	<5	10	<0.5	<2	2.36	<0.5	7	38	146	2.62	10
D866268		1.61	<0.001	<0.5	5.68	<5	350	1.9	2	1.12	<0.5	<1	34	1	0.73	10
D866269		2.71	<0.001	5.6	0.07	<5	<10	<0.5	12	0.23	<0.5	1	18	383	0.59	<10
D866270		4.36	0.004	<0.5	6.20	<5	10	<0.5	<2	4.47	<0.5	21	14	4	8.55	30



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Project: Bonavista

CERTIFICATE OF ANALYSIS WH23195931

Sample Description	Method Analyte Units LOD	ME-ICP61 K %	ME-ICP61 La ppm	ME-ICP61 Li ppm	ME-ICP61 Mg %	ME-ICP61 Mn ppm	ME-ICP61 Mo ppm	ME-ICP61 Na %	ME-ICP61 Ni ppm	ME-ICP61 P ppm	ME-ICP61 Pb ppm	ME-ICP61 S %	ME-ICP61 Sb ppm	ME-ICP61 Sc ppm	ME-ICP61 Sr ppm	ME-ICP61 Th ppm
		0.01	10	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20
ST067801		0.05	<10	<10	1.60	710	<1	1.02	38	90	3	0.02	<5	22	131	<20
ST067802		<0.01	10	<10	0.11	450	1	0.01	3	200	<2	0.01	<5	3	1520	<20
ST067803		0.12	10	<10	2.40	799	<1	2.32	29	170	<2	0.01	<5	23	161	<20
ST067804		0.02	<10	30	4.65	1510	7	0.01	39	220	<2	0.15	<5	37	41	<20
ST067805		0.01	10	10	1.76	887	1	0.01	15	180	<2	0.08	<5	33	364	<20
ST067806		<0.01	10	10	0.68	451	<1	0.02	2	40	<2	0.17	<5	8	219	<20
ST067807		0.06	20	<10	0.12	169	1	4.87	2	40	<2	0.02	<5	4	95	<20
ST067808		0.04	20	<10	0.08	101	<1	4.80	<1	20	<2	0.78	<5	1	79	<20
ST067809		<0.01	20	10	0.79	571	1	0.10	8	160	<2	1.46	<5	4	596	<20
D866251		0.02	20	<10	0.17	505	2	4.21	<1	160	<2	1.10	<5	9	237	<20
D866252		0.06	20	<10	0.02	134	1	4.24	1	10	<2	0.33	<5	1	74	<20
D866253		0.14	10	<10	1.53	1655	<1	1.94	2	1940	<2	0.09	<5	30	274	<20
D866254		2.35	20	<10	0.17	86	1	2.95	2	90	3	0.23	<5	4	104	<20
D866255		0.04	10	<10	2.14	509	<1	2.07	55	280	<2	0.04	<5	13	97	<20
D866256		0.73	30	<10	0.19	770	2	4.34	1	140	<2	0.10	<5	3	124	<20
D866257		0.01	10	20	1.81	875	1	0.01	9	110	<2	0.23	<5	38	254	<20
D866258		<0.01	<10	<10	0.19	177	3	0.11	6	20	179	0.30	<5	2	9	<20
D866259		<0.01	<10	<10	0.02	134	2	0.01	2	10	128	0.31	<5	1	7	<20
D866260		<0.01	<10	10	2.74	757	<1	0.02	31	180	<2	0.04	<5	39	365	<20
D866261		0.25	10	10	2.52	853	<1	2.74	33	150	2	<0.01	<5	20	172	<20
D866262		0.01	10	10	2.73	1085	1	3.62	33	1140	2	0.27	<5	25	329	<20
D866263		0.02	10	<10	0.85	413	<1	1.66	15	310	<2	0.04	<5	11	305	<20
D866264		0.05	20	<10	0.02	83	1	2.56	1	20	<2	0.06	<5	3	106	<20
D866265		0.31	30	<10	0.07	137	<1	4.58	<1	40	<2	0.03	<5	4	77	<20
D866266		0.02	20	<10	0.17	162	1	3.91	4	150	<2	0.01	<5	4	220	<20
D866267		0.01	<10	<10	0.76	384	<1	0.58	15	120	2	0.02	<5	12	163	<20
D866268		0.73	20	<10	0.05	99	1	3.82	2	60	2	<0.01	<5	5	148	<20
D866269		0.01	<10	<10	0.04	78	<1	0.01	2	<10	304	0.03	<5	<1	2	<20
D866270		0.02	20	<10	0.86	589	1	1.04	12	120	3	1.01	<5	4	581	<20



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Sample Description	Method Analyte Units LOD	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Ti	Ti	U	V	W	Zn
		% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ST067801		0.15	<10	<10	150	<10	27
ST067802		0.08	<10	<10	95	<10	4
ST067803		0.27	<10	<10	136	<10	49
ST067804		0.41	<10	<10	137	<10	81
ST067805		0.41	<10	<10	106	<10	37
ST067806		0.07	<10	<10	31	<10	19
ST067807		0.06	<10	<10	2	<10	8
ST067808		0.04	<10	<10	1	<10	3
ST067809		0.13	<10	<10	27	<10	25
D866251		0.18	<10	<10	<1	<10	12
D866252		0.04	<10	<10	1	<10	2
D866253		1.04	<10	<10	142	<10	212
D866254		0.10	<10	<10	9	<10	11
D866255		0.19	<10	<10	87	<10	47
D866256		0.11	<10	<10	<1	<10	37
D866257		0.49	<10	<10	108	<10	41
D866258		0.03	<10	<10	13	<10	8
D866259		<0.01	<10	<10	2	<10	2
D866260		0.44	<10	<10	130	<10	44
D866261		0.25	<10	<10	120	<10	42
D866262		0.50	<10	<10	176	<10	88
D866263		0.15	<10	<10	86	<10	26
D866264		0.05	<10	<10	4	<10	2
D866265		0.06	<10	<10	2	<10	7
D866266		0.13	<10	<10	23	<10	3
D866267		0.14	<10	<10	95	<10	31
D866268		0.07	<10	<10	2	<10	7
D866269		<0.01	<10	<10	3	<10	3
D866270		0.11	<10	<10	24	<10	26



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	CERTIFICATE COMMENTS								
Applies to Method:	LABORATORY ADDRESSES Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada. <table><tr><td>CRU-31</td><td>CRU-QC</td><td>LOG-21</td><td>PUL-31</td></tr><tr><td>PUL-QC</td><td>SPL-21</td><td>WEI-21</td><td></td></tr></table>	CRU-31	CRU-QC	LOG-21	PUL-31	PUL-QC	SPL-21	WEI-21	
CRU-31	CRU-QC	LOG-21	PUL-31						
PUL-QC	SPL-21	WEI-21							
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. <table><tr><td>Au-ICP22</td><td>ME-ICP61</td></tr></table>	Au-ICP22	ME-ICP61						
Au-ICP22	ME-ICP61								