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2103 Dollarton Hwy  
North Vancouver BC V7H 0A7  
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Finalized Date: 4-SEP-2019  
Account: TRUGRO

**CERTIFICATE WH19199608**

Project: JPR  
P.O. No.: 2609  
This report is for 86 Rock samples submitted to our lab in Whitehorse, YT, Canada on 13-AUG-2019.

The following have access to data associated with this certificate:

GREG DAWSON  
ANDREW HAMILTON

ISAAC FAGE  
BEN MCGRATH

JODIE GIBSON  
ALLEN WYWROT

**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 split to 85% <75 um

**ANALYTICAL PROCEDURES**

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
ME-MS42	Up to 34 elements by ICP-MS	ICP-MS

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

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS WH19199608**

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
1745374		0.89	0.105	0.2	1.85	5	<10	320	<0.5	<2	0.44	<0.5	12	10	24	3.73
1745375		0.97	<0.005	<0.2	2.15	3	<10	250	<0.5	<2	1.78	<0.5	11	8	10	4.16
1745376		1.21	<0.005	<0.2	0.03	<2	<10	10	<0.5	<2	>25.0	<0.5	<1	<1	4	0.07
1745377		1.13	0.028	<0.2	2.09	2	<10	310	<0.5	<2	1.77	<0.5	12	7	12	3.98
1745378		0.89	0.006	<0.2	2.07	5	<10	170	<0.5	<2	2.12	<0.5	10	7	9	4.10
1745379		0.81	0.009	0.2	1.91	6	<10	190	<0.5	<2	1.38	<0.5	11	6	28	4.08
1745380		0.87	0.009	0.2	2.27	6	<10	270	<0.5	<2	2.82	<0.5	13	9	13	4.44
1745381		0.87	0.014	1.3	1.35	57	<10	340	<0.5	<2	0.65	3.5	5	36	54	2.43
1745382		0.71	0.010	0.4	2.48	13	<10	220	<0.5	<2	0.50	6.6	13	12	42	4.49
1745383		0.90	0.009	1.8	0.62	22	<10	330	<0.5	<2	0.99	2.5	4	38	111	1.60
1745384		0.84	0.018	1.1	0.93	24	<10	300	<0.5	<2	2.38	1.4	4	54	100	1.75
1745385		0.94	0.008	0.9	0.70	12	<10	140	0.5	<2	0.25	5.2	5	54	63	1.76
1745386		1.00	0.009	0.5	1.16	28	<10	240	0.7	<2	0.37	8.4	8	103	70	2.61
1745387		1.04	<0.005	0.4	2.27	7	<10	510	0.5	<2	0.19	2.9	8	51	65	3.27
1745388		0.83	<0.005	0.2	1.89	4	<10	680	0.6	<2	0.22	2.5	12	41	51	2.77
1745389		0.90	0.009	0.5	1.62	14	<10	340	<0.5	<2	0.51	2.1	11	44	71	2.94
1745390		0.99	0.006	0.5	1.12	10	<10	240	0.5	<2	0.33	2.0	6	20	80	3.05
1745391		0.97	0.008	0.8	0.92	16	<10	450	<0.5	<2	0.30	1.5	2	38	74	2.01
1745392		1.00	0.013	1.6	0.84	20	<10	490	<0.5	<2	0.50	1.4	1	37	48	1.83
1745393		0.82	<0.005	0.2	1.26	14	<10	330	0.9	<2	0.57	6.8	10	8	34	3.64
1745394		0.87	0.007	1.0	0.68	14	<10	440	0.5	<2	0.54	3.9	17	34	112	2.29
1745395		0.94	0.358	0.3	1.09	29	<10	190	<0.5	<2	0.19	<0.5	7	6	10	2.11
1745396		0.85	0.009	<0.2	1.22	2	<10	110	<0.5	<2	0.23	<0.5	7	6	4	2.21
1745397		0.93	0.044	0.2	1.16	7	<10	80	<0.5	<2	0.23	<0.5	6	4	6	2.24
1745398		1.03	0.017	<0.2	1.13	4	<10	130	<0.5	<2	0.16	<0.5	5	4	6	2.00
1745399		1.07	0.022	0.2	1.10	4	<10	120	<0.5	<2	0.12	<0.5	3	4	3	2.25
1745400		1.14	0.014	<0.2	1.42	5	<10	120	<0.5	<2	0.16	<0.5	6	3	5	2.53
1745401		0.98	<0.005	<0.2	1.20	2	<10	100	<0.5	<2	0.16	<0.5	7	4	6	1.98
1745402		1.00	0.007	<0.2	1.46	3	<10	110	<0.5	<2	0.22	<0.5	8	5	4	2.48
1745403		1.01	0.009	<0.2	1.54	11	<10	220	<0.5	<2	0.38	<0.5	9	5	3	2.63
1745404		0.92	0.009	<0.2	1.42	<2	<10	90	<0.5	<2	0.22	<0.5	7	4	3	2.41
1745405		0.89	0.118	0.4	1.11	14	<10	90	<0.5	<2	0.14	<0.5	4	3	9	2.29
1745406		0.84	<0.005	<0.2	1.32	<2	<10	110	<0.5	<2	0.23	<0.5	7	4	4	2.28
1745407		1.03	<0.005	0.4	1.37	2	<10	120	<0.5	<2	0.24	<0.5	7	4	14	2.23
1745408		1.06	0.009	<0.2	1.29	<2	<10	120	<0.5	<2	0.23	<0.5	8	4	5	2.21
1745409		1.00	0.056	0.8	1.47	2	<10	90	<0.5	<2	0.22	<0.5	7	4	11	2.40
1745410		0.99	0.056	<0.2	1.31	3	<10	110	<0.5	<2	0.20	<0.5	7	4	12	2.31
1745411		1.08	0.025	<0.2	1.25	6	<10	140	<0.5	<2	0.17	<0.5	7	4	6	2.36
1745412		0.75	0.008	<0.2	1.23	2	<10	160	<0.5	<2	0.20	<0.5	7	4	5	2.11
1745413		1.02	0.070	0.6	1.27	5	<10	210	<0.5	<2	0.42	<0.5	7	4	22	2.18



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**CERTIFICATE OF ANALYSIS WH19199608**

Sample Description	Method Analyte Units LOD	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
1745374		10	1	0.42	20	0.78	707	2	0.04	15	790	2	0.01	<2	4	16
1745375		10	1	0.33	20	0.96	965	1	0.03	4	990	4	0.01	<2	5	43
1745376		<10	<1	0.01	<10	0.49	102	<1	0.01	1	70	<2	0.01	<2	<1	88
1745377		10	1	0.55	10	0.95	846	1	0.04	4	930	2	0.01	<2	4	41
1745378		10	1	0.24	20	0.86	862	1	0.03	4	940	4	0.01	<2	8	44
1745379		10	1	0.30	20	0.85	695	2	0.03	4	950	3	0.01	<2	4	22
1745380		10	<1	0.41	10	1.12	1190	1	0.03	5	1010	4	0.01	2	5	71
1745381		10	<1	0.24	10	0.59	431	7	0.02	68	1830	9	0.01	<2	6	14
1745382		10	1	0.29	10	1.21	1130	3	0.04	143	1100	6	0.01	<2	7	15
1745383		<10	<1	0.17	20	0.16	235	5	0.02	89	4460	18	0.03	<2	2	55
1745384		<10	1	0.20	10	0.30	229	8	0.02	86	>10000	14	0.02	<2	4	64
1745385		<10	<1	0.11	10	0.41	446	2	0.02	88	530	30	0.02	<2	5	7
1745386		10	1	0.47	20	0.85	382	22	0.03	147	1450	28	0.11	<2	8	72
1745387		10	1	1.14	10	1.44	347	2	0.03	53	370	7	0.02	<2	5	9
1745388		10	1	1.00	10	1.24	374	3	0.02	50	660	4	0.02	<2	4	10
1745389		<10	<1	0.31	20	0.76	596	5	0.03	80	1520	11	0.02	<2	5	24
1745390		<10	1	0.30	30	0.49	137	7	0.02	63	1400	14	0.02	<2	2	11
1745391		<10	1	0.22	20	0.40	97	9	0.01	40	1320	54	0.04	<2	3	15
1745392		<10	<1	0.23	10	0.09	55	11	0.02	26	2470	86	0.11	<2	3	44
1745393		<10	1	0.08	30	0.12	1400	7	0.06	56	1670	26	0.01	<2	6	38
1745394		<10	1	0.13	10	0.10	1290	12	0.02	95	2380	52	0.02	<2	3	22
1745395		<10	1	0.74	30	0.36	639	2	0.05	2	380	4	0.02	2	3	11
1745396		<10	<1	0.71	20	0.50	751	2	0.06	1	340	3	0.02	<2	4	19
1745397		<10	<1	0.57	30	0.35	578	1	0.05	1	360	4	0.04	<2	5	12
1745398		<10	1	0.60	30	0.30	263	1	0.04	1	310	8	0.15	<2	3	31
1745399		<10	1	0.68	40	0.28	218	1	0.06	1	270	8	0.39	<2	4	34
1745400		10	1	0.72	40	0.40	290	1	0.04	1	290	5	0.21	<2	4	31
1745401		<10	1	0.67	40	0.42	499	1	0.05	1	320	5	0.10	<2	4	21
1745402		<10	<1	0.96	30	0.61	673	1	0.04	2	440	3	0.02	<2	4	13
1745403		<10	<1	0.85	30	0.58	1130	1	0.05	2	440	8	0.02	<2	5	17
1745404		10	1	0.76	20	0.52	696	1	0.04	1	380	3	0.01	<2	5	11
1745405		<10	1	0.57	20	0.31	297	1	0.03	1	270	6	0.09	<2	4	19
1745406		<10	<1	0.83	30	0.56	693	<1	0.05	2	390	<2	0.01	2	5	14
1745407		<10	1	0.82	30	0.54	704	1	0.05	2	340	3	0.01	<2	3	15
1745408		<10	<1	0.82	30	0.57	696	1	0.05	2	350	2	0.01	<2	2	16
1745409		10	<1	0.90	20	0.61	739	2	0.05	2	350	4	0.02	<2	4	13
1745410		<10	<1	0.78	40	0.55	746	1	0.05	2	340	4	<0.01	<2	4	15
1745411		<10	<1	0.72	30	0.50	756	1	0.04	3	350	4	<0.01	<2	4	13
1745412		<10	<1	0.71	30	0.51	602	<1	0.04	2	360	2	<0.01	<2	3	13
1745413		<10	1	0.84	50	0.47	697	<1	0.03	2	410	24	0.01	<2	2	15



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**CERTIFICATE OF ANALYSIS WH19199608**

Sample Description	Method Analyte Units LOD	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-MS42
		Th	Ti	Ti	U	V	W	Zn	Te
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2	ppm 0.01
1745374		<20	0.06	<10	<10	52	<10	73	0.02
1745375		<20	0.04	<10	<10	48	<10	86	<0.01
1745376		<20	<0.01	<10	<10	<1	<10	2	<0.01
1745377		<20	0.11	<10	<10	52	<10	79	0.01
1745378		<20	0.01	<10	<10	54	<10	77	<0.01
1745379		<20	0.01	<10	<10	47	<10	63	0.01
1745380		<20	0.06	<10	<10	64	<10	85	0.02
1745381		<20	0.03	<10	<10	507	<10	414	0.09
1745382		<20	0.08	<10	<10	93	<10	789	0.01
1745383		<20	0.02	<10	<10	66	<10	355	0.08
1745384		<20	0.03	<10	<10	145	<10	318	0.07
1745385		<20	0.02	<10	<10	83	<10	407	0.08
1745386		<20	0.05	<10	<10	460	<10	712	0.05
1745387		<20	0.14	<10	<10	50	<10	239	0.04
1745388		<20	0.10	<10	<10	47	<10	193	0.06
1745389		<20	0.07	<10	<10	88	<10	331	0.05
1745390		<20	0.01	<10	<10	63	<10	263	0.12
1745391		<20	0.02	<10	<10	261	<10	177	0.11
1745392		<20	0.01	<10	<10	148	<10	144	0.13
1745393		<20	<0.01	<10	<10	66	<10	268	<0.01
1745394		<20	0.01	<10	<10	145	<10	419	0.11
1745395		<20	0.07	<10	<10	24	<10	65	<0.01
1745396		<20	0.09	<10	<10	38	<10	45	<0.01
1745397		<20	0.06	<10	<10	35	<10	38	0.04
1745398		<20	0.05	<10	<10	20	<10	36	<0.01
1745399		20	0.05	<10	<10	27	<10	24	<0.01
1745400		20	0.07	<10	<10	32	<10	39	<0.01
1745401		20	0.09	<10	<10	31	<10	45	<0.01
1745402		<20	0.12	<10	<10	37	<10	48	0.02
1745403		<20	0.10	<10	<10	35	<10	48	0.01
1745404		<20	0.11	<10	<10	38	<10	47	<0.01
1745405		<20	0.06	<10	<10	26	<10	42	<0.01
1745406		<20	0.11	<10	<10	37	<10	49	<0.01
1745407		<20	0.12	<10	<10	37	<10	44	0.02
1745408		<20	0.12	<10	<10	35	<10	46	<0.01
1745409		<20	0.13	<10	<10	44	<10	47	0.36
1745410		<20	0.11	<10	<10	38	<10	49	0.01
1745411		20	0.10	<10	<10	34	<10	47	0.01
1745412		<20	0.09	<10	<10	27	<10	49	<0.01
1745413		20	0.08	<10	<10	22	<10	59	<0.01



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Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
1745414		1.04	0.022	<0.2	1.48	5	<10	190	<0.5	<2	0.18	<0.5	7	5	4	2.40
1745415		0.93	0.028	<0.2	1.44	4	<10	120	<0.5	<2	0.30	<0.5	7	4	7	2.42
1745416		0.83	0.036	<0.2	1.16	4	<10	110	<0.5	<2	0.20	<0.5	6	5	6	2.12
1745417		0.89	0.023	<0.2	1.38	2	<10	120	<0.5	<2	0.20	<0.5	6	4	4	2.20
1745418		1.01	0.058	<0.2	1.37	5	<10	110	<0.5	<2	0.29	<0.5	7	4	5	2.26
1745419		0.97	0.025	<0.2	1.39	5	<10	160	<0.5	<2	0.25	<0.5	7	4	5	2.39
1745420		0.88	0.036	<0.2	1.60	2	<10	110	<0.5	<2	0.23	<0.5	8	3	4	2.73
1745421		0.98	0.024	<0.2	1.34	2	<10	110	0.5	<2	0.20	<0.5	9	3	3	2.23
1745422		0.84	<0.005	<0.2	1.36	<2	<10	100	<0.5	<2	0.28	<0.5	6	4	3	2.19
1745423		0.89	0.024	<0.2	1.28	2	<10	120	<0.5	<2	0.21	<0.5	6	4	5	2.19
1745424		0.97	0.011	<0.2	1.28	6	<10	140	<0.5	<2	1.19	<0.5	6	3	3	2.07
1745425		0.85	0.018	<0.2	1.14	5	<10	100	<0.5	<2	0.80	<0.5	5	4	2	1.91
1745426		0.84	<0.005	0.2	0.03	<2	<10	10	<0.5	<2	>25.0	<0.5	<1	<1	1	0.07
1745427		1.09	0.010	<0.2	1.49	3	<10	110	<0.5	<2	0.30	<0.5	8	3	4	2.36
1745428		0.92	0.062	<0.2	1.57	3	<10	110	<0.5	<2	0.89	<0.5	7	3	3	2.41
1745429		0.86	0.020	<0.2	1.41	2	<10	90	<0.5	<2	0.50	<0.5	7	3	3	2.30
1745430		0.88	0.012	<0.2	1.62	2	<10	100	<0.5	<2	1.38	<0.5	7	3	2	2.52
1745431		0.81	0.085	<0.2	1.48	5	<10	110	<0.5	<2	0.66	<0.5	7	3	5	2.44
1745432		0.87	0.009	<0.2	1.41	<2	<10	90	<0.5	<2	0.71	<0.5	6	3	2	2.34
1745433		0.57	0.103	<0.2	1.42	4	<10	120	<0.5	<2	0.23	<0.5	8	4	7	2.48
1745434		0.30	0.019	<0.2	1.59	7	<10	190	<0.5	<2	0.63	<0.5	8	22	16	2.55
1745435		0.71	0.033	<0.2	1.37	5	<10	180	<0.5	<2	0.46	<0.5	7	16	14	2.27
1745436		0.51	0.009	<0.2	1.24	12	<10	240	<0.5	<2	0.63	<0.5	8	21	21	2.37
1745437		0.58	0.165	2.6	2.69	48	<10	300	0.8	<2	0.29	2.3	36	46	73	4.83
1745438		0.60	0.051	0.8	2.33	17	<10	280	<0.5	2	0.72	<0.5	18	35	21	3.81
1745439		0.63	0.074	0.8	2.69	29	<10	310	<0.5	<2	0.72	0.7	20	41	29	4.43
1745440		0.62	0.022	1.1	2.37	53	<10	280	0.5	<2	0.30	<0.5	19	32	41	3.97
1745441		0.51	0.035	0.4	1.92	9	<10	200	<0.5	<2	0.55	<0.5	13	29	16	2.88
1745442		0.73	0.011	0.2	2.07	8	<10	220	<0.5	<2	0.60	<0.5	14	31	11	3.20
1745443		0.66	0.008	<0.2	2.63	4	<10	340	<0.5	<2	0.59	<0.5	17	37	12	3.67
1745444		0.57	<0.005	0.3	3.08	14	<10	480	<0.5	<2	0.44	<0.5	22	50	23	4.93
1745445		0.60	0.018	<0.2	1.86	5	<10	190	<0.5	<2	0.49	<0.5	12	29	12	2.91
1745446		0.39	0.006	0.2	1.60	6	<10	160	<0.5	2	0.46	<0.5	11	25	12	2.58
1745447		0.60	0.005	<0.2	2.02	3	<10	210	<0.5	<2	0.56	<0.5	14	30	11	3.02
1745448		0.81	0.007	0.2	2.68	3	<10	390	<0.5	<2	0.67	<0.5	18	36	29	3.47
1745449		0.82	<0.005	<0.2	2.35	3	<10	330	<0.5	<2	0.82	<0.5	17	37	37	3.45
1745450		0.58	0.005	<0.2	2.44	5	<10	270	<0.5	<2	0.70	<0.5	17	36	25	3.66
1745451		0.77	<0.005	<0.2	2.74	<2	<10	410	<0.5	<2	0.65	<0.5	21	39	31	3.85
1745452		0.83	<0.005	<0.2	2.69	2	<10	300	<0.5	<2	0.54	<0.5	19	51	22	4.37
1745453		0.65	1.115	2.9	1.28	84	<10	110	0.6	<2	0.24	<0.5	23	39	30	4.83



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Sample Description	Method Analyte Units LOD	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
1745414		<10	1	0.99	20	0.60	635	<1	0.04	2	390	2	<0.01	<2	3	11
1745415		<10	1	0.89	30	0.62	640	<1	0.05	2	350	6	0.01	<2	3	17
1745416		<10	<1	0.69	30	0.45	546	1	0.05	2	320	3	0.01	<2	3	13
1745417		<10	1	0.89	20	0.57	517	1	0.06	1	320	3	<0.01	<2	3	12
1745418		<10	1	0.70	30	0.48	734	1	0.04	1	370	6	<0.01	<2	5	12
1745419		<10	<1	0.77	30	0.52	712	1	0.04	2	380	6	0.01	<2	4	14
1745420		10	1	0.77	40	0.59	698	<1	0.04	2	380	4	0.01	<2	6	14
1745421		<10	1	0.66	20	0.42	676	1	0.04	2	350	2	0.01	<2	5	11
1745422		<10	1	0.76	20	0.54	531	1	0.06	2	310	3	<0.01	<2	4	14
1745423		<10	1	0.72	30	0.49	581	1	0.04	2	330	4	0.02	<2	4	16
1745424		<10	1	0.80	30	0.47	577	1	0.04	1	320	2	<0.01	<2	4	36
1745425		<10	1	0.75	30	0.46	553	1	0.04	1	310	2	0.01	<2	3	21
1745426		<10	1	0.01	<10	0.64	93	<1	0.01	1	60	<2	<0.01	<2	<1	81
1745427		10	<1	0.88	20	0.60	692	1	0.04	1	370	4	<0.01	<2	6	11
1745428		10	1	0.85	30	0.60	773	<1	0.04	1	370	2	<0.01	<2	6	21
1745429		10	<1	0.66	30	0.50	591	1	0.04	1	380	5	<0.01	<2	6	17
1745430		10	<1	0.89	30	0.62	752	<1	0.04	1	370	2	<0.01	<2	7	31
1745431		<10	1	0.87	30	0.57	714	1	0.04	1	360	2	0.01	<2	7	23
1745432		10	<1	0.87	30	0.56	610	<1	0.05	1	330	<2	0.02	<2	5	20
1745433		<10	<1	0.71	30	0.52	654	<1	0.04	3	350	6	0.03	<2	5	16
1745434		10	1	0.34	20	0.40	373	2	0.05	14	310	6	0.04	<2	4	40
1745435		<10	<1	0.38	20	0.48	383	1	0.03	10	330	5	0.05	<2	4	30
1745436		<10	1	0.24	20	0.51	297	1	0.05	15	690	5	0.06	<2	4	41
1745437		10	<1	1.71	10	1.60	1640	18	0.02	16	490	17	0.04	<2	16	21
1745438		10	<1	0.77	10	1.54	802	1	0.03	14	480	8	0.02	<2	5	22
1745439		10	1	1.17	10	1.93	1160	1	0.03	16	480	11	0.01	<2	9	19
1745440		10	<1	1.39	10	1.53	894	1	0.02	13	480	11	0.01	<2	7	11
1745441		<10	<1	0.52	10	1.11	575	1	0.05	11	400	11	<0.01	<2	4	29
1745442		10	1	0.74	10	1.29	657	1	0.05	11	430	7	<0.01	<2	4	33
1745443		10	<1	1.08	10	1.79	991	1	0.04	13	440	7	<0.01	<2	4	32
1745444		10	<1	1.82	10	2.22	1190	1	0.05	15	510	2	<0.01	<2	10	18
1745445		<10	<1	0.51	10	1.06	548	1	0.05	11	390	8	0.01	<2	4	28
1745446		<10	1	0.47	10	0.90	546	1	0.05	8	360	6	<0.01	<2	4	26
1745447		10	<1	0.79	10	1.30	573	1	0.04	11	430	5	<0.01	<2	4	29
1745448		10	<1	1.40	10	1.77	868	1	0.04	13	430	<2	<0.01	<2	4	37
1745449		<10	<1	1.13	10	1.59	754	1	0.07	12	480	4	<0.01	<2	5	36
1745450		10	<1	0.99	10	1.60	661	1	0.06	13	600	5	<0.01	2	5	37
1745451		10	<1	1.45	10	1.94	809	1	0.04	14	500	3	<0.01	<2	4	37
1745452		10	<1	1.40	10	1.74	1040	1	0.05	12	480	2	<0.01	<2	14	24
1745453		<10	1	0.51	30	0.53	588	51	0.03	13	410	23	<0.01	<2	16	12



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 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Sample Description	Method Analyte Units LOD	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-MS42
		Th	Ti	Ti	U	V	W	Zn	Te
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2	ppm 0.01
1745414		<20	0.12	<10	<10	32	<10	51	<0.01
1745415		20	0.13	<10	<10	39	<10	52	<0.01
1745416		20	0.09	<10	<10	31	<10	42	<0.01
1745417		<20	0.12	<10	<10	36	<10	49	0.01
1745418		<20	0.08	<10	<10	34	<10	45	<0.01
1745419		<20	0.10	<10	<10	34	<10	52	<0.01
1745420		<20	0.10	<10	<10	48	<10	56	<0.01
1745421		<20	0.08	<10	<10	31	<10	47	<0.01
1745422		<20	0.10	<10	<10	35	<10	47	<0.01
1745423		<20	0.10	<10	<10	34	<10	45	<0.01
1745424		20	0.09	<10	<10	29	<10	41	<0.01
1745425		<20	0.09	<10	<10	28	<10	38	<0.01
1745426		<20	<0.01	<10	<10	<1	<10	<2	<0.01
1745427		<20	0.12	<10	<10	41	<10	48	<0.01
1745428		<20	0.10	<10	<10	41	<10	46	<0.01
1745429		20	0.08	<10	<10	39	<10	43	<0.01
1745430		<20	0.11	<10	<10	44	<10	47	0.01
1745431		20	0.11	<10	<10	44	<10	47	<0.01
1745432		<20	0.12	<10	<10	43	<10	43	0.01
1745433		<20	0.10	<10	<10	40	<10	51	0.01
1745434		<20	0.09	<10	<10	47	<10	42	0.02
1745435		<20	0.09	<10	<10	42	<10	45	0.02
1745436		<20	0.09	<10	<10	50	<10	51	0.02
1745437		<20	0.18	<10	<10	114	<10	224	0.02
1745438		<20	0.14	<10	<10	63	<10	97	0.01
1745439		<20	0.16	<10	<10	86	<10	103	0.01
1745440		<20	0.16	<10	<10	70	<10	63	0.03
1745441		<20	0.14	<10	<10	61	<10	67	0.02
1745442		<20	0.16	<10	<10	63	<10	70	0.01
1745443		<20	0.21	<10	<10	75	<10	104	0.01
1745444		<20	0.24	<10	<10	111	<10	88	0.02
1745445		<20	0.15	<10	<10	63	<10	63	0.02
1745446		<20	0.12	<10	<10	55	<10	50	0.02
1745447		<20	0.15	<10	<10	60	<10	59	0.01
1745448		<20	0.22	<10	<10	66	<10	77	0.02
1745449		<20	0.22	<10	<10	73	<10	80	0.01
1745450		<20	0.22	<10	<10	77	<10	74	0.01
1745451		<20	0.24	<10	<10	76	<10	79	<0.01
1745452		<20	0.17	<10	<10	116	<10	83	0.01
1745453		<20	0.05	<10	<10	109	<10	46	0.44



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North Vancouver BC V7H 0A7  
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
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Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
1745454		0.75	0.011	<0.2	3.19	3	<10	430	<0.5	<2	0.62	<0.5	20	44	25	4.26
1745455		1.44	0.008	<0.2	2.92	2	<10	420	<0.5	<2	0.81	<0.5	20	42	11	3.87
1745456		0.95	<0.005	<0.2	3.01	3	<10	480	<0.5	<2	0.81	<0.5	23	43	18	3.99
1745457		0.70	0.005	<0.2	2.71	<2	<10	350	<0.5	<2	0.76	<0.5	18	37	33	3.83
1745458		0.64	<0.005	<0.2	2.82	2	<10	330	<0.5	<2	0.63	<0.5	18	37	31	3.97
1745459		0.71	<0.005	<0.2	2.91	2	<10	330	<0.5	<2	0.72	<0.5	20	40	21	4.06





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Sample Description	Method Analyte Units LOD	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
		ppm 10	ppm 1	% 0.01	ppm 10	% 0.01	ppm 5	ppm 1	% 0.01	ppm 1	ppm 10	ppm 2	% 0.01	ppm 2	ppm 1
1745454		10	1	1.72	10	2.18	1120	2	0.03	16	500	5	<0.01	<2	8
1745455		10	<1	1.70	10	1.99	991	1	0.04	14	520	5	<0.01	<2	8
1745456		10	<1	1.61	10	2.26	917	1	0.04	15	490	3	<0.01	2	6
1745457		10	<1	1.25	10	1.82	937	1	0.04	13	480	5	<0.01	<2	6
1745458		10	<1	1.20	10	1.94	1060	1	0.04	14	470	4	<0.01	<2	6
1745459		10	1	1.21	10	2.00	963	1	0.04	14	460	4	<0.01	<2	7



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		Th	Ti	Tl	U	V	W	Zn	Te
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2	ppm 0.01
1745454		<20	0.16	<10	<10	88	<10	94	0.01
1745455		<20	0.18	<10	<10	88	<10	91	0.01
1745456		<20	0.25	<10	<10	88	<10	97	<0.01
1745457		<20	0.15	<10	<10	78	<10	81	0.01
1745458		<20	0.13	<10	<10	80	<10	89	0.01
1745459		<20	0.13	<10	<10	88	<10	90	0.01



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**CERTIFICATE COMMENTS**

**LABORATORY ADDRESSES**

Applies to Method:	Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.	
	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.	
	Au-AA23	ME-ICP41 ME-MS42