



ALS Canada Ltd.  
2103 Dollarton Hwy  
North Vancouver BC V7H 0A7  
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
www.alsglobal.com/geochemistry

To: GROUNDTRUTH EXPLORATION  
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Plus Appendix Pages  
Finalized Date: 15-NOV-2019  
Account: TRUGRO

**CERTIFICATE WH19251851**

Project: JPR

P.O. No.: 3295

This report is for 33 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 7-OCT-2019.

The following have access to data associated with this certificate:

GREG DAWSON  
ANDREW HAMILTON

ISAAC FAGE  
MATT HANEWICH

JODIE GIBSON  
BEN MCGRATH

**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-32m	Pulverize 500g - 85%<75um
BAG-01	Bulk Master for Storage
LOG-23	Pulp Login - Rcvd with Barcode

**ANALYTICAL PROCEDURES**

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Ag-OG46	Ore Grade Ag - Aqua Regia	
ME-OG46	Ore Grade Elements - AquaRegia	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:**

Saa Traxler, General Manager, North Vancouver



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**CERTIFICATE OF ANALYSIS WH19251851**

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	Au-GRA21 Au ppm 0.05	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
1701473		2.92	0.038		0.2	0.95	14	<10	160	<0.5	<2	0.19	<0.5	5	19	16
1701474		4.74	0.128		0.3	0.34	7	<10	60	<0.5	<2	0.05	<0.5	2	10	6
1701475		2.91	0.147		0.7	0.15	3	<10	30	<0.5	<2	0.01	<0.5	1	7	3
1701476		3.71	0.027		0.2	0.21	4	<10	20	<0.5	<2	0.02	<0.5	1	6	4
1701477		3.70	3.04		5.8	0.19	3	<10	40	<0.5	<2	0.01	<0.5	1	6	5
1701478		3.55	5.24		75.2	0.23	5	<10	30	<0.5	64	0.01	<0.5	<1	5	4
1701479		3.83	0.097		0.6	0.29	7	<10	40	<0.5	<2	0.01	<0.5	<1	5	4
1701480		0.11	4.63		>100	1.03	76	10	70	<0.5	<2	0.59	27.8	8	36	74
1701481		3.63	2.01		1.5	0.32	80	<10	70	<0.5	2	0.01	<0.5	1	6	9
1701482		3.60	8.55	6.72	3.0	0.36	66	<10	90	<0.5	8	0.01	<0.5	<1	6	11
1701483		3.14	0.309		0.5	0.33	19	<10	60	<0.5	<2	0.01	<0.5	<1	10	6
1701484		3.31	0.046		0.2	0.37	18	<10	60	<0.5	<2	0.01	<0.5	<1	5	3
1701485		3.71	0.073		0.2	0.30	13	<10	40	<0.5	<2	0.01	<0.5	<1	5	5
1701486		3.52	0.008		0.2	0.46	42	<10	80	<0.5	<2	0.01	<0.5	<1	5	5
1701487		3.52	0.006		<0.2	0.48	11	<10	50	<0.5	<2	0.03	<0.5	<1	5	6
1701488		3.44	0.015		0.2	0.49	16	<10	40	<0.5	<2	0.03	<0.5	1	5	15
1701489		3.69	0.006		<0.2	0.43	15	<10	60	<0.5	<2	0.02	<0.5	<1	5	10
1701490		3.62	0.008		<0.2	0.35	11	<10	70	<0.5	<2	0.01	<0.5	<1	5	7
1701491		3.68	0.009		<0.2	0.37	26	<10	80	<0.5	<2	0.01	<0.5	<1	5	7
1701492		2.15	0.011		0.2	0.40	53	<10	60	<0.5	<2	0.01	<0.5	<1	5	11
1701493		3.56	0.025		0.2	0.43	56	<10	60	<0.5	<2	0.01	<0.5	1	5	9
1701494		3.57	0.096		0.3	0.41	19	<10	50	<0.5	<2	0.02	<0.5	<1	5	6
1701495		3.24	0.028		0.3	0.37	195	<10	90	<0.5	<2	0.01	<0.5	<1	5	6
1701496		3.62	0.036		0.2	0.38	127	<10	70	<0.5	<2	0.01	<0.5	1	6	5
1701497		2.83	0.031		<0.2	0.42	31	<10	50	<0.5	<2	0.02	<0.5	1	5	4
1701498		2.68	0.016		<0.2	0.39	14	<10	40	<0.5	<2	0.02	<0.5	<1	5	4
1701499		2.34	0.010		<0.2	0.60	14	<10	70	<0.5	<2	0.03	<0.5	1	5	5
1701500		0.67	<0.005		0.2	0.02	<2	<10	10	<0.5	<2	>25.0	<0.5	<1	<1	1
1701501		2.12	<0.005		<0.2	0.69	9	<10	70	<0.5	<2	0.10	<0.5	2	4	5
1701502		2.06	0.014		<0.2	0.82	8	<10	90	<0.5	<2	0.06	<0.5	2	5	6
1701503		2.37	0.006		<0.2	0.94	6	<10	100	0.5	<2	0.08	<0.5	3	5	11
1701504		2.47	0.011		<0.2	1.09	9	<10	120	0.6	<2	0.10	<0.5	4	6	13
1701505		3.59	0.012		<0.2	0.48	4	<10	40	0.5	<2	0.14	<0.5	2	4	3



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**CERTIFICATE OF ANALYSIS WH19251851**

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
		Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb
		% 0.01	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
1701473		1.88	<10	<1	0.14	20	0.20	219	5	0.04	12	210	9	0.05	2
1701474		1.22	<10	<1	0.19	10	0.04	74	5	0.04	6	70	5	0.16	<2
1701475		1.12	<10	<1	0.15	10	0.01	63	6	0.04	3	20	3	0.29	<2
1701476		1.05	<10	<1	0.17	<10	0.01	72	3	0.06	1	30	2	0.16	2
1701477		1.10	<10	<1	0.23	10	<0.01	56	2	0.05	2	20	5	0.27	<2
1701478		0.77	<10	<1	0.20	10	0.01	51	7	0.05	1	30	57	0.12	2
1701479		0.70	<10	<1	0.22	10	0.01	50	2	0.04	2	50	3	0.11	2
1701480		2.68	10	2	0.15	10	0.43	315	453	0.07	31	410	914	1.03	150
1701481		1.61	<10	<1	0.32	20	0.01	50	8	0.03	2	90	8	0.35	<2
1701482		2.26	<10	<1	0.42	20	0.01	48	8	0.04	2	80	10	0.55	<2
1701483		1.17	<10	<1	0.24	20	0.02	53	3	0.05	4	60	8	0.24	<2
1701484		0.92	<10	<1	0.25	20	0.02	57	3	0.04	2	50	3	0.14	<2
1701485		0.65	<10	<1	0.20	10	0.01	46	3	0.04	2	40	11	0.10	<2
1701486		0.95	<10	<1	0.20	20	0.02	47	2	0.04	2	60	25	0.19	<2
1701487		0.86	<10	<1	0.20	10	0.04	74	3	0.04	2	70	7	0.07	<2
1701488		1.47	<10	1	0.21	30	0.04	73	15	0.03	1	120	9	0.07	<2
1701489		0.94	<10	<1	0.25	40	0.03	64	2	0.05	2	100	6	0.13	<2
1701490		0.83	<10	1	0.26	40	0.02	50	4	0.04	1	90	3	0.11	<2
1701491		0.78	<10	<1	0.27	40	0.02	44	5	0.05	2	100	5	0.12	<2
1701492		0.99	<10	<1	0.21	40	0.03	62	3	0.05	3	110	5	0.13	<2
1701493		1.06	<10	<1	0.22	40	0.04	71	3	0.04	2	90	15	0.13	<2
1701494		0.91	<10	<1	0.22	20	0.04	76	4	0.05	2	60	7	0.06	<2
1701495		1.10	<10	1	0.26	30	0.04	76	3	0.05	2	80	18	0.16	<2
1701496		1.16	<10	1	0.25	40	0.04	82	3	0.06	2	90	24	0.18	<2
1701497		0.92	<10	<1	0.21	30	0.05	108	5	0.06	2	90	22	0.07	<2
1701498		0.88	<10	<1	0.19	20	0.05	101	3	0.05	2	90	5	0.04	<2
1701499		1.20	<10	<1	0.32	20	0.10	144	2	0.04	1	140	3	0.05	<2
1701500		0.06	<10	<1	0.01	<10	0.39	63	<1	<0.01	1	80	<2	<0.01	<2
1701501		1.32	<10	<1	0.37	20	0.16	193	1	0.02	2	160	4	0.04	2
1701502		1.49	<10	<1	0.43	20	0.17	213	1	0.03	2	180	3	0.05	<2
1701503		1.64	<10	<1	0.49	30	0.23	273	2	0.03	2	220	4	0.04	<2
1701504		1.91	<10	<1	0.55	30	0.26	304	2	0.03	4	280	5	0.08	<2
1701505		1.16	<10	<1	0.25	30	0.09	245	1	0.04	3	150	3	0.09	<2



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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	Ag-OG46	ME-MS42
		Sr	Th	Ti	Tl	U	V	W	Zn	Ag	Te
		ppm 1	ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2	ppm 1	ppm 0.01
1701473		20	<20	0.06	<10	<10	30	<10	26		0.12
1701474		10	<20	0.01	<10	<10	7	<10	5		0.32
1701475		3	<20	<0.01	<10	<10	1	<10	2		0.30
1701476		3	<20	<0.01	<10	<10	2	<10	2		0.46
1701477		3	<20	<0.01	<10	<10	1	<10	<2		1.17
1701478		3	20	<0.01	<10	<10	1	<10	<2		15.40
1701479		5	20	<0.01	<10	<10	1	<10	2		0.20
1701480		51	<20	0.08	<10	<10	54	20	2880	105	0.42
1701481		9	20	<0.01	<10	<10	4	<10	4		1.79
1701482		11	20	<0.01	<10	<10	5	<10	2		1.91
1701483		9	20	<0.01	<10	<10	4	<10	3		0.37
1701484		6	20	<0.01	<10	<10	2	<10	3		0.06
1701485		4	20	<0.01	<10	<10	1	<10	3		0.03
1701486		7	20	<0.01	<10	<10	3	<10	3		0.04
1701487		7	20	0.01	<10	<10	4	<10	8		0.01
1701488		8	30	0.01	<10	<10	5	<10	13		0.02
1701489		10	20	<0.01	<10	<10	3	<10	6		0.02
1701490		10	20	<0.01	<10	<10	2	<10	3		0.01
1701491		9	20	<0.01	<10	<10	2	<10	3		0.01
1701492		9	30	0.01	<10	<10	4	<10	5		0.02
1701493		10	20	0.01	<10	<10	4	<10	6		0.04
1701494		7	<20	0.01	<10	<10	3	<10	6		0.06
1701495		9	<20	0.01	<10	<10	3	<10	6		0.06
1701496		11	20	0.01	<10	<10	4	<10	6		0.04
1701497		9	20	0.01	<10	<10	4	<10	8		0.06
1701498		7	<20	0.01	<10	<10	4	<10	7		0.03
1701499		11	<20	0.02	<10	<10	7	<10	18		0.01
1701500		89	<20	<0.01	<10	<10	<1	<10	<2		<0.01
1701501		9	<20	0.03	<10	<10	10	<10	27		0.01
1701502		11	<20	0.03	<10	<10	10	<10	30		0.01
1701503		7	20	0.04	<10	10	12	<10	48		0.01
1701504		9	20	0.04	<10	10	13	<10	53		0.01
1701505		8	20	0.01	<10	<10	8	<10	20		0.02



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**CERTIFICATE COMMENTS**

**LABORATORY ADDRESSES**

Applies to Method:	Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.		
	BAG-01	CRU-31	CRU-QC
	LOG-23	PUL-32m	PUL-QC
	WEI-21		
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.		
	Ag-OG46	Au-AA23	Au-GRA21
	ME-MS42	ME-OG46	