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To: GROUNDTRUTH EXPLORATION
PO BOX 70
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Page: 1
Total # Pages: 2 (A - C)
Plus Appendix Pages
Finalized Date: 8-NOV-2019
Account: TRUGRO

CERTIFICATE WH19251854

Project: JPR

P.O. No.: 3297

This report is for 35 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
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:

Saa Traxler, General Manager, North Vancouver



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CERTIFICATE OF ANALYSIS WH19251854

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
1701554		2.97	0.030	<0.2	0.62	11	<10	90	<0.5	<2	0.12	<0.5	3	12	18	1.88
1701555		3.57	0.012	<0.2	0.48	7	<10	70	<0.5	<2	0.05	<0.5	2	8	22	1.66
1701556		4.24	0.019	1.0	0.17	85	<10	30	<0.5	2	0.02	<0.5	1	8	10	1.06
1701557		3.07	0.008	0.7	0.32	37	<10	40	<0.5	2	0.02	<0.5	1	6	17	1.49
1701558		3.36	0.005	<0.2	0.28	11	<10	30	<0.5	<2	0.02	<0.5	1	4	11	1.15
1701559		3.49	0.013	0.2	0.48	23	<10	30	<0.5	<2	0.02	<0.5	2	5	34	2.15
1701560		0.08	1.145	1.5	1.16	16	<10	90	<0.5	<2	0.95	0.5	4	13	43	2.31
1701561		3.70	0.009	<0.2	0.21	5	<10	30	<0.5	<2	0.01	<0.5	<1	4	5	0.89
1701562		4.07	0.006	<0.2	0.38	4	<10	50	<0.5	<2	0.02	<0.5	1	6	5	1.18
1701563		3.37	0.005	<0.2	0.28	8	<10	30	<0.5	<2	0.02	<0.5	<1	5	9	1.54
1701564		3.50	<0.005	<0.2	0.34	2	<10	40	<0.5	<2	0.02	<0.5	<1	6	4	0.97
1701565		3.80	<0.005	0.2	0.27	24	<10	50	<0.5	<2	0.01	<0.5	<1	5	8	0.79
1701566		2.81	0.010	0.3	0.62	28	<10	40	<0.5	<2	0.02	<0.5	1	7	31	3.72
1701567		3.57	0.027	0.2	0.51	21	<10	50	<0.5	<2	0.01	<0.5	1	6	20	2.59
1701568		2.75	0.023	<0.2	0.46	7	<10	60	<0.5	<2	0.01	<0.5	1	5	8	1.37
1701569		2.99	0.009	<0.2	0.44	4	<10	50	<0.5	<2	0.01	<0.5	1	6	7	1.30
1701570		2.94	0.006	<0.2	0.42	4	<10	30	<0.5	<2	0.01	<0.5	<1	5	7	1.28
1701571		3.05	0.006	<0.2	0.32	2	<10	30	<0.5	<2	0.01	<0.5	1	4	5	0.88
1701572		2.82	<0.005	<0.2	0.36	2	<10	30	<0.5	<2	0.01	<0.5	<1	4	6	0.90
1701573		3.99	<0.005	<0.2	0.57	2	<10	40	<0.5	<2	0.02	<0.5	1	6	6	1.27
1701574		3.44	0.006	<0.2	0.51	<2	<10	40	<0.5	<2	0.02	<0.5	1	7	6	1.17
1701575		2.79	<0.005	<0.2	0.54	<2	<10	40	<0.5	<2	0.03	<0.5	1	8	5	1.18
1701576		3.07	0.008	<0.2	0.28	2	<10	20	<0.5	<2	0.02	<0.5	1	5	6	0.94
1701577		3.02	0.007	<0.2	0.41	2	<10	30	<0.5	<2	0.03	<0.5	1	5	9	0.99
1701578		3.24	0.010	<0.2	0.71	2	<10	60	<0.5	<2	0.04	<0.5	3	6	8	1.45
1701579		2.97	<0.005	<0.2	0.78	2	<10	40	<0.5	<2	0.06	<0.5	3	7	9	1.78
1701580		0.67	<0.005	0.2	0.03	3	<10	10	<0.5	<2	>25.0	<0.5	1	1	1	0.11
1701581		2.95	<0.005	0.5	0.72	2	<10	40	<0.5	<2	0.06	<0.5	3	6	18	1.64
1701582		3.17	<0.005	<0.2	0.79	2	<10	50	<0.5	<2	0.06	<0.5	4	6	6	1.75
1701583		3.33	<0.005	<0.2	0.95	2	<10	140	<0.5	<2	0.16	<0.5	5	11	15	1.94
1701584		2.91	0.023	<0.2	1.02	2	<10	110	<0.5	<2	0.17	<0.5	6	8	9	2.00
1701585		2.77	0.006	<0.2	0.43	<2	<10	40	<0.5	<2	0.08	<0.5	2	6	4	1.11
1701586		3.58	<0.005	<0.2	0.34	3	<10	30	<0.5	<2	0.10	<0.5	3	6	7	1.04
1701587		3.49	0.006	<0.2	0.30	2	<10	30	<0.5	<2	0.09	<0.5	2	5	8	0.97
1701588		3.26	0.005	<0.2	0.50	<2	<10	50	<0.5	<2	0.10	<0.5	2	6	4	1.20



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Page: 2 - B
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Project: JPR

CERTIFICATE OF ANALYSIS WH19251854

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
1701554		<10	<1	0.11	20	0.10	164	3	0.03	7	240	7	0.02	<2	2
1701555		<10	<1	0.17	40	0.04	127	5	0.03	4	240	6	0.03	<2	1
1701556		<10	<1	0.07	10	0.01	62	3	0.02	3	90	166	0.07	2	1
1701557		<10	<1	0.13	20	0.01	77	3	0.02	2	90	151	0.06	<2	1
1701558		<10	<1	0.14	50	0.01	59	3	0.02	3	130	11	<0.01	<2	1
1701559		<10	<1	0.14	30	0.02	80	9	0.02	4	220	17	<0.01	<2	1
1701560		<10	<1	0.08	10	0.54	623	10	0.07	6	460	65	0.09	3	3
1701561		<10	<1	0.13	30	0.01	35	3	0.02	2	110	6	0.02	<2	<1
1701562		<10	<1	0.20	30	0.03	67	2	0.04	2	150	6	0.01	<2	1
1701563		<10	<1	0.12	20	0.02	53	4	0.04	2	170	9	0.01	<2	1
1701564		<10	<1	0.18	20	0.05	76	2	0.04	2	80	4	0.02	<2	<1
1701565		<10	<1	0.18	20	0.02	48	2	0.03	1	80	43	0.10	<2	<1
1701566		<10	<1	0.26	10	0.07	76	8	0.03	2	360	17	0.07	<2	2
1701567		<10	<1	0.26	20	0.08	78	5	0.03	2	260	14	0.08	<2	2
1701568		<10	<1	0.27	30	0.07	71	2	0.03	2	210	10	0.08	<2	2
1701569		<10	<1	0.23	30	0.06	79	2	0.03	2	190	9	0.07	<2	1
1701570		<10	<1	0.21	30	0.07	82	2	0.03	1	120	4	0.06	<2	1
1701571		<10	<1	0.18	30	0.06	61	1	0.02	1	110	7	0.09	<2	1
1701572		<10	<1	0.15	20	0.05	65	2	0.02	1	110	7	0.05	<2	1
1701573		<10	<1	0.27	20	0.12	154	1	0.04	2	130	5	0.03	<2	1
1701574		<10	<1	0.27	10	0.13	142	1	0.04	2	140	5	0.04	<2	1
1701575		<10	<1	0.29	20	0.17	164	2	0.04	3	140	5	0.03	<2	2
1701576		<10	<1	0.14	20	0.05	78	5	0.04	<1	90	4	0.03	<2	1
1701577		<10	<1	0.22	20	0.09	115	6	0.03	1	120	6	0.03	<2	1
1701578		<10	<1	0.39	20	0.19	206	9	0.04	2	150	6	0.02	<2	2
1701579		<10	<1	0.50	30	0.30	362	4	0.06	3	190	4	0.03	<2	3
1701580		<10	<1	0.01	<10	0.37	65	<1	0.02	<1	60	2	0.04	<2	<1
1701581		<10	<1	0.51	20	0.32	393	2	0.04	2	190	5	0.01	<2	3
1701582		<10	<1	0.60	30	0.37	421	1	0.05	2	210	3	0.02	<2	3
1701583		<10	<1	0.67	20	0.51	494	1	0.04	5	250	3	0.04	<2	4
1701584		<10	1	0.67	20	0.47	481	1	0.03	4	270	8	0.11	<2	3
1701585		<10	<1	0.27	20	0.15	301	1	0.03	2	90	3	0.02	<2	1
1701586		<10	<1	0.20	20	0.10	293	<1	0.03	2	110	3	0.08	<2	1
1701587		<10	<1	0.17	30	0.08	339	1	0.02	2	110	2	0.06	<2	1
1701588		<10	1	0.31	30	0.17	319	1	0.02	2	140	3	0.04	<2	1



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Page: 2 - C
 Total # Pages: 2 (A - C)
 Plus Appendix Pages
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 Account: TRUGRO

Project: JPR

CERTIFICATE OF ANALYSIS WH19251854

Sample Description	Method Analyte Units LOD	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	ME-MS42 Te ppm 0.01
1701554		20	0.04	<10	<10	19	<10	25	0.05
1701555		20	0.01	<10	<10	9	<10	23	0.01
1701556		<20	<0.01	<10	<10	3	<10	11	0.20
1701557		<20	<0.01	<10	<10	4	<10	22	0.14
1701558		20	<0.01	<10	<10	2	<10	20	<0.01
1701559		20	<0.01	<10	<10	2	<10	37	0.02
1701560		<20	0.09	<10	<10	28	10	85	0.04
1701561		20	<0.01	<10	<10	1	<10	12	0.01
1701562		20	0.01	<10	<10	4	<10	12	0.01
1701563		20	<0.01	<10	<10	3	<10	16	0.01
1701564		<20	0.01	<10	<10	4	<10	11	<0.01
1701565		<20	<0.01	<10	<10	3	<10	6	0.02
1701566		20	0.02	<10	10	16	<10	25	0.10
1701567		20	0.02	<10	<10	10	<10	19	0.11
1701568		<20	0.01	<10	<10	7	<10	13	0.03
1701569		20	0.01	<10	<10	7	<10	11	0.02
1701570		<20	0.01	<10	<10	6	<10	13	0.01
1701571		<20	0.01	<10	<10	6	<10	11	0.01
1701572		<20	0.01	<10	<10	6	<10	11	<0.01
1701573		<20	0.02	<10	<10	9	<10	18	<0.01
1701574		<20	0.03	<10	<10	10	<10	18	0.01
1701575		<20	0.03	<10	<10	12	<10	22	0.01
1701576		<20	0.01	<10	<10	6	<10	11	0.02
1701577		<20	0.02	<10	<10	6	<10	17	0.02
1701578		<20	0.04	<10	<10	11	<10	32	0.01
1701579		<20	0.06	<10	<10	21	<10	37	<0.01
1701580		<20	<0.01	<10	<10	<1	<10	5	0.01
1701581		<20	0.07	<10	<10	23	<10	38	0.03
1701582		<20	0.07	<10	<10	22	<10	40	0.01
1701583		<20	0.08	<10	<10	29	<10	43	<0.01
1701584		<20	0.07	<10	<10	27	<10	45	0.02
1701585		20	0.02	<10	<10	8	<10	18	0.01
1701586		20	0.01	<10	<10	7	<10	15	0.01
1701587		20	0.01	<10	<10	6	<10	14	0.01
1701588		<20	0.03	<10	<10	9	<10	20	<0.01



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Page: Appendix 1
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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-21
	LOG-23	PUL-32m	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	