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To: GROUNDTRUTH EXPLORATION
PO BOX 70
DAWSON CITY YT Y0B 1C0

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Plus Appendix Pages
Finalized Date: 5-JUN-2019
Account: TRUGRO

CERTIFICATE WH19124463

Project: JPR

This report is for 26 Rock samples submitted to our lab in Whitehorse, YT, Canada on 23-MAY-2019.

The following have access to data associated with this certificate:

GREG DAWSON
ANDREW HAMILTON

ISAAC FAGE
BEN MCGRATH

JODIE GIBSON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70% <2mm
PUL-QC	Pulverizing QC Test
LOG-22d	Sample login - Rcd w/o BarCode dup
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
Ag-OG46	Ore Grade Ag - Aqua Regia	
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES
As-OG46	Ore Grade As - Aqua Regia	
ME-MS42	Up to 34 elements by ICP-MS	ICP-MS
Au-AA25	Ore Grade Au 30g FA AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	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:

Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS WH19124463

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	Au-AA25 Au ppm 0.01	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
1690001		1.44	<0.01	0.3	0.23	2	<10	50	<0.5	<2	0.02	<0.5	2	7	8	0.72
1690002		1.12	<0.01	<0.2	0.28	5	<10	20	<0.5	<2	0.02	<0.5	1	7	12	1.35
1690003		1.96	0.01	<0.2	0.24	<2	<10	20	<0.5	<2	0.01	<0.5	<1	8	5	0.59
1690004		1.15	0.79	2.8	0.78	114	<10	100	<0.5	4	0.06	<0.5	5	6	22	2.06
1690005		0.50	10.10	43.2	0.56	985	<10	70	<0.5	72	0.02	<0.5	46	4	115	10.10
1690006		1.63	0.01	0.2	0.36	19	<10	90	<0.5	<2	0.02	<0.5	2	8	16	0.66
1690007		0.84	0.04	0.3	0.28	7	<10	70	<0.5	<2	0.04	<0.5	1	7	4	0.37
1690008		2.29	<0.01	<0.2	0.25	2	<10	110	<0.5	<2	0.66	<0.5	<1	14	1	0.24
1690009		2.57	<0.01	<0.2	0.12	3	<10	40	<0.5	<2	0.02	<0.5	<1	17	2	0.24
1690010		2.50	<0.01	<0.2	0.18	3	<10	50	<0.5	<2	0.03	<0.5	1	13	2	0.39
1690010D		<0.02	<0.01	<0.2	0.17	2	<10	50	<0.5	<2	0.03	<0.5	1	12	2	0.38
1690011		1.06	<0.01	<0.2	0.25	3	<10	60	<0.5	<2	0.04	<0.5	<1	6	6	0.36
1690012		1.78	<0.01	<0.2	0.30	5	<10	80	<0.5	<2	0.02	<0.5	1	5	11	0.41
1690013		1.50	0.42	<0.2	0.41	7	<10	80	<0.5	<2	0.12	<0.5	2	9	6	0.80
1690501		0.48	<0.01	<0.2	0.33	45	<10	40	<0.5	<2	0.03	<0.5	1	9	11	0.96
1690502		1.02	17.95	59.1	0.15	216	<10	30	<0.5	50	0.01	<0.5	1	16	26	0.65
1690503		1.74	9.89	>100	0.35	>10000	<10	80	<0.5	228	0.09	<0.5	2	9	26	2.47
1690504		0.72	0.03	0.3	0.28	36	<10	60	<0.5	<2	0.03	<0.5	2	11	2	0.78
1690505		1.07	0.02	0.2	0.19	48	<10	30	<0.5	<2	0.04	<0.5	1	16	3	0.42
1689251		1.71	0.16	0.8	0.61	65	<10	180	<0.5	<2	0.10	0.8	2	11	13	0.85
1689252		1.79	0.01	0.7	0.21	25	<10	100	<0.5	2	0.52	<0.5	1	13	16	0.60
1689253		1.42	0.04	<0.2	0.06	3	<10	20	<0.5	<2	0.01	<0.5	<1	18	3	0.34
1689254		1.55	0.96	1.6	0.62	7	<10	200	<0.5	4	0.10	<0.5	2	8	48	0.96
1689255		0.91	7.60	4.1	0.09	6	<10	30	<0.5	4	0.01	<0.5	<1	15	13	0.83
1689256		1.42	<0.01	<0.2	0.22	5	<10	60	<0.5	<2	0.01	<0.5	<1	11	4	0.25
1689257		1.11	0.05	0.3	0.08	135	<10	20	<0.5	<2	0.01	<0.5	4	15	32	1.00



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CERTIFICATE OF ANALYSIS WH19124463

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
1690001		<10	<1	0.11	10	0.01	195	7	0.07	3	30	6	<0.01	<2	1	3
1690002		<10	<1	0.11	10	0.01	84	39	0.08	2	50	3	0.01	<2	<1	3
1690003		<10	<1	0.10	<10	<0.01	29	2	0.08	1	40	3	0.01	<2	<1	2
1690004		<10	<1	0.19	10	0.07	176	3	0.06	3	120	187	0.05	<2	2	13
1690005		<10	<1	0.27	10	0.03	291	26	0.02	2	190	4780	0.23	<2	1	4
1690006		<10	<1	0.22	10	0.03	141	<1	0.04	1	90	25	<0.01	<2	<1	2
1690007		<10	<1	0.19	10	0.01	94	<1	0.04	1	50	24	<0.01	<2	<1	2
1690008		<10	<1	0.18	20	0.02	299	<1	0.03	2	60	2	<0.01	<2	<1	7
1690009		<10	<1	0.08	<10	0.01	71	<1	0.02	1	10	2	<0.01	<2	<1	1
1690010		<10	<1	0.12	20	0.01	80	<1	0.05	2	40	<2	<0.01	<2	1	3
1690010D		<10	<1	0.11	20	0.01	79	<1	0.05	1	40	2	<0.01	<2	1	3
1690011		<10	<1	0.10	10	0.02	91	<1	0.07	1	60	2	<0.01	<2	<1	4
1690012		<10	<1	0.15	20	0.01	54	<1	0.06	2	70	3	<0.01	<2	<1	2
1690013		<10	<1	0.15	10	0.07	115	1	0.07	2	190	10	<0.01	<2	2	7
1690501		<10	<1	0.09	10	0.03	86	1	0.06	2	90	3	0.05	<2	2	20
1690502		<10	<1	0.05	<10	0.01	58	1	0.01	2	60	626	0.03	<2	<1	3
1690503		<10	<1	0.20	10	0.05	114	1	0.03	2	80	543	0.13	8	1	14
1690504		<10	<1	0.15	10	0.03	202	<1	0.05	4	130	8	<0.01	<2	1	3
1690505		<10	<1	0.07	10	0.01	62	<1	0.05	1	40	<2	<0.01	<2	<1	4
1689251		<10	<1	0.34	<10	0.06	436	1	0.02	2	480	160	0.02	<2	1	5
1689252		<10	<1	0.15	<10	0.01	225	1	0.01	2	60	72	0.01	<2	<1	6
1689253		<10	<1	0.04	<10	<0.01	66	<1	0.01	1	10	21	<0.01	<2	<1	<1
1689254		<10	<1	0.38	20	0.04	266	1	0.03	2	220	108	0.01	<2	1	4
1689255		<10	<1	0.07	<10	<0.01	44	<1	0.01	1	20	133	0.05	<2	<1	1
1689256		<10	<1	0.16	<10	0.01	29	<1	0.03	1	30	13	0.01	<2	<1	1
1689257		<10	<1	0.04	<10	0.01	93	1	0.01	2	10	18	0.01	<2	<1	1



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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	Ag-OG46 Ag ppm 1	As-OG46 As % 0.001	ME-MS42 Te ppm 0.01
1690001		20	<0.01	<10	<10	5	<10	9			0.02
1690002		20	<0.01	<10	<10	3	<10	8			0.02
1690003		20	<0.01	<10	<10	1	<10	3			0.01
1690004		<20	0.01	<10	<10	8	<10	13			0.16
1690005		<20	<0.01	<10	<10	8	<10	12			10.05
1690006		<20	<0.01	<10	<10	2	<10	9			0.01
1690007		<20	<0.01	<10	<10	2	<10	3			0.05
1690008		<20	<0.01	<10	<10	1	<10	2			<0.01
1690009		<20	<0.01	<10	<10	<1	<10	<2			<0.01
1690010		<20	<0.01	<10	<10	5	<10	4			0.03
1690010D		<20	<0.01	<10	<10	5	<10	4			0.04
1690011		<20	<0.01	<10	<10	1	<10	3			0.01
1690012		20	<0.01	<10	<10	1	<10	2			0.01
1690013		<20	0.01	<10	<10	5	<10	10			0.02
1690501		<20	0.01	<10	<10	3	<10	11			0.02
1690502		<20	<0.01	<10	<10	1	<10	5			2.31
1690503		<20	0.02	<10	<10	6	<10	7	104	1.815	1.69
1690504		<20	0.01	<10	<10	5	<10	29			0.01
1690505		<20	<0.01	<10	<10	2	<10	2			0.01
1689251		<20	0.02	<10	<10	4	<10	16			0.07
1689252		<20	<0.01	<10	<10	1	<10	2			0.06
1689253		<20	<0.01	<10	<10	<1	<10	<2			<0.01
1689254		<20	<0.01	<10	<10	2	<10	4			0.12
1689255		<20	<0.01	<10	<10	1	<10	8			0.22
1689256		<20	<0.01	<10	<10	1	<10	4			<0.01
1689257		<20	<0.01	<10	<10	1	<10	2			0.04



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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-22	LOG-22d
	PUL-31	PUL-31d	PUL-QC	SPL-21
	SPL-21d	WEI-21		
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
	Ag-OG46	As-OG46	Au-AA25	ME-ICP41
	ME-MS42	ME-OG46		