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

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 Plus Appendix Pages
 Finalized Date: 20-SEP-2023
 This copy reported on
 21-SEP-2023
 Account: GEOPLAIN

CERTIFICATE WH23247739

Project: Big Ray

This report is for 45 samples of Rock submitted to our lab in Whitehorse, YT, Canada on 30-AUG-2023.

The following have access to data associated with this certificate:

CHRIS ARSENAULT		
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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-ICP41	36 Element Aqua Regia ICP-AES	ICP-AES
Au-ICP21	Au 30g 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 WH23247739

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOD	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
D866301		0.78	0.020	0.7	0.96	3	<10	130	<0.5	35	0.29	<0.5	3	4	100	1.66
D866302		0.55	<0.001	0.2	1.40	<2	<10	80	<0.5	<2	0.96	<0.5	8	6	14	2.89
D866303		1.18	<0.001	<0.2	1.35	<2	<10	60	<0.5	3	0.34	<0.5	7	5	76	2.18
D866304		0.98	<0.001	0.3	1.68	<2	<10	100	<0.5	8	0.89	<0.5	9	6	20	2.93
D866305		1.01	0.001	<0.2	0.17	<2	<10	10	<0.5	<2	0.06	<0.5	2	5	67	1.68
D866306		1.34	<0.001	<0.2	0.87	<2	<10	30	0.5	2	0.95	<0.5	3	6	5	1.11
D866307		0.83	<0.001	1.5	0.01	<2	<10	<10	<0.5	26	0.01	<0.5	<1	7	504	0.16
E810501		1.49	0.002	0.4	1.16	5	<10	360	<0.5	2	0.62	<0.5	10	31	63	1.43
E810502		1.31	0.002	<0.2	3.41	18	<10	410	0.7	2	1.08	<0.5	23	149	46	4.07
E810503		0.95	0.001	<0.2	0.31	3	<10	1640	0.5	<2	0.10	<0.5	9	12	96	4.40
E810504		1.04	0.001	<0.2	3.56	5	<10	410	<0.5	4	1.92	<0.5	22	189	89	4.26
E810505		1.04	0.025	7.1	0.04	<2	<10	10	<0.5	455	0.02	2.4	2	8	3730	0.23
E810506		1.35	1.110	16.2	0.02	<2	<10	<10	<0.5	1005	0.02	1.6	<1	11	2070	0.19
E810507		1.55	0.009	6.6	0.06	<2	<10	<10	<0.5	113	0.01	<0.5	1	12	1260	0.46
E810508		1.43	0.049	22.4	0.05	2	<10	<10	<0.5	744	0.01	1.1	1	11	1795	1.02
E810509		0.77	0.400	53.6	0.02	4	<10	<10	<0.5	4110	0.01	0.6	<1	12	85	0.26
E810510		0.84	0.027	50.4	0.03	<2	<10	<10	<0.5	1130	0.01	0.7	<1	11	376	0.29
E810511		0.74	0.002	0.4	0.45	<2	<10	50	0.5	25	0.25	<0.5	1	5	20	0.48
E810512		0.82	<0.001	1.1	0.97	2	<10	60	0.8	29	0.50	<0.5	4	7	763	1.23
E810513		1.04	0.002	<0.2	0.89	<2	<10	60	0.5	2	0.38	<0.5	3	7	162	1.16
E810514		1.10	<0.001	0.2	0.44	<2	<10	40	<0.5	<2	0.44	<0.5	2	8	50	0.87
E810515		1.41	0.009	0.3	0.30	<2	<10	10	0.5	<2	0.46	1.7	4	7	154	2.67
E810516		1.27	0.007	0.2	0.40	<2	<10	30	0.5	<2	0.58	0.7	3	10	40	1.80
E810517		1.38	0.004	0.4	0.11	<2	<10	<10	<0.5	2	0.15	2.3	1	9	504	0.53
E810518		1.07	0.001	0.2	0.77	<2	<10	50	0.7	<2	0.48	<0.5	7	7	18	5.96
E810519		1.14	0.002	<0.2	0.75	2	<10	70	<0.5	<2	0.71	<0.5	3	7	7	2.00
E810520		1.43	<0.001	1.0	0.69	<2	<10	50	0.5	<2	1.12	<0.5	4	11	122	1.15
E810521		1.21	0.009	0.2	0.48	<2	<10	70	0.7	<2	0.58	1.2	5	7	61	2.35
E810522		1.52	0.003	1.1	0.25	45	<10	20	<0.5	<2	0.33	0.6	4	13	231	2.20
E810523		1.23	0.004	0.6	0.10	<2	<10	10	<0.5	9	0.10	<0.5	4	11	129	1.50
E810524		0.90	<0.001	<0.2	0.20	<2	<10	20	<0.5	<2	0.03	<0.5	1	5	25	0.27
E810525		1.41	<0.001	<0.2	0.86	2	<10	40	<0.5	<2	0.12	<0.5	5	54	62	1.57
E810526		1.15	<0.001	<0.2	2.23	3	<10	300	0.6	<2	0.26	<0.5	13	87	65	3.51
E810527		1.12	<0.001	0.9	0.09	<2	<10	10	<0.5	7	0.01	<0.5	1	11	830	0.38
E810528		1.14	<0.001	<0.2	0.03	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	13	9	0.17
E810529		1.26	<0.001	0.2	0.06	<2	<10	<10	<0.5	<2	0.01	<0.5	2	14	181	0.40
E810530		1.15	<0.001	<0.2	0.03	<2	<10	<10	<0.5	<2	0.01	<0.5	1	13	28	0.20
E810531		0.76	<0.001	<0.2	1.52	<2	<10	90	0.6	<2	1.12	<0.5	10	7	16	3.03
E810532		1.22	<0.001	0.3	0.32	<2	<10	50	<0.5	<2	0.19	<0.5	3	18	102	0.84
E810533		1.38	<0.001	0.3	0.51	<2	<10	120	<0.5	<2	0.15	<0.5	5	33	224	1.34



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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	Li	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
		ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
		10	1	0.01	10	10	0.01	5	1	0.01	1	10	2	0.01	2	1
D866301		<10	<1	0.17	20	10	0.40	377	2	0.06	1	280	16	0.04	<2	3
D866302		10	<1	0.18	20	20	0.63	457	1	0.11	2	980	14	<0.01	<2	3
D866303		10	<1	0.12	10	20	0.50	558	<1	0.07	6	470	9	0.01	<2	2
D866304		10	<1	0.28	20	20	0.89	484	1	0.10	4	960	14	0.01	<2	3
D866305		<10	<1	0.01	<10	<10	0.06	96	<1	0.02	1	50	62	0.01	<2	<1
D866306		<10	<1	0.13	10	10	0.27	505	2	0.06	2	210	10	0.01	<2	2
D866307		<10	<1	<0.01	<10	<10	0.01	21	25	0.02	1	<10	20	0.01	<2	<1
E810501		<10	<1	0.16	<10	<10	0.25	106	1	0.14	35	330	2	0.04	<2	2
E810502		10	<1	0.81	10	20	1.53	379	2	0.20	115	540	2	0.65	<2	12
E810503		<10	<1	0.07	<10	<10	0.07	99	4	0.02	16	480	3	0.03	<2	2
E810504		10	<1	1.08	10	30	2.14	487	1	0.42	113	1980	4	0.02	<2	3
E810505		<10	<1	<0.01	<10	<10	0.01	115	58	0.02	2	10	319	0.01	<2	<1
E810506		<10	<1	<0.01	<10	<10	0.01	64	98	0.01	<1	10	409	0.01	<2	<1
E810507		<10	<1	<0.01	<10	<10	0.03	52	19	0.01	2	20	59	0.02	<2	<1
E810508		<10	<1	<0.01	<10	<10	0.01	34	164	0.02	1	10	356	0.02	<2	<1
E810509		<10	<1	<0.01	<10	<10	<0.01	29	529	0.02	1	20	703	0.04	2	<1
E810510		<10	<1	<0.01	<10	<10	0.01	60	247	0.01	1	<10	934	0.04	<2	<1
E810511		<10	<1	0.09	10	<10	0.12	152	4	0.05	1	100	20	0.01	<2	1
E810512		<10	<1	0.10	10	10	0.31	284	2	0.06	7	240	16	0.01	<2	2
E810513		<10	<1	0.07	10	10	0.30	338	1	0.04	6	230	6	<0.01	<2	1
E810514		<10	<1	0.11	10	10	0.17	209	<1	0.04	2	110	11	<0.01	<2	1
E810515		<10	<1	0.01	10	<10	0.30	257	<1	0.05	2	40	91	0.01	<2	1
E810516		<10	<1	0.03	10	10	0.31	221	<1	0.08	1	190	39	<0.01	<2	2
E810517		<10	<1	<0.01	<10	<10	0.03	99	<1	0.01	1	40	366	<0.01	<2	<1
E810518		<10	<1	0.05	20	10	0.26	151	2	0.05	2	880	11	<0.01	<2	3
E810519		<10	<1	0.12	30	10	0.14	118	1	0.18	2	1150	7	<0.01	<2	1
E810520		<10	<1	0.07	10	10	0.28	1185	31	0.03	2	190	94	0.01	<2	1
E810521		<10	<1	0.08	20	10	0.20	355	1	0.04	1	370	94	<0.01	<2	2
E810522		<10	<1	0.03	<10	<10	0.03	67	79	0.01	27	1100	9	0.04	2	1
E810523		<10	<1	0.02	<10	<10	0.05	51	31	<0.01	82	100	3	0.01	<2	<1
E810524		<10	<1	0.10	10	<10	0.02	30	4	0.03	1	40	5	<0.01	<2	1
E810525		<10	<1	0.16	10	20	0.53	242	3	0.03	19	380	3	<0.01	<2	3
E810526		10	<1	1.02	20	40	1.16	614	2	0.03	55	390	4	<0.01	<2	9
E810527		<10	<1	0.01	<10	<10	0.05	103	1	<0.01	2	20	8	<0.01	<2	<1
E810528		<10	<1	<0.01	<10	<10	0.01	18	1	<0.01	2	20	<2	<0.01	<2	<1
E810529		<10	<1	0.01	<10	<10	0.03	32	<1	<0.01	30	40	2	<0.01	<2	<1
E810530		<10	<1	0.01	<10	<10	0.01	24	<1	<0.01	17	30	<2	<0.01	<2	<1
E810531		10	<1	0.09	20	20	0.73	344	1	0.08	4	1360	20	0.01	<2	2
E810532		<10	<1	0.06	<10	10	0.19	136	557	0.01	12	720	2	0.02	<2	1
E810533		<10	<1	0.23	<10	10	0.32	281	411	0.01	14	220	<2	0.04	<2	2



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CERTIFICATE OF ANALYSIS WH23247739

Sample Description	Method Analyte Units LOD	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr ppm 1	Th ppm 20	Ti % 0.01	Tl ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2
D866301		26	20	0.09	<10	<10	27	<10	59
D866302		51	<20	0.17	<10	<10	49	<10	57
D866303		17	<20	0.08	<10	<10	29	<10	57
D866304		42	<20	0.18	<10	<10	42	<10	79
D866305		5	<20	0.01	<10	<10	8	<10	19
D866306		27	<20	0.01	<10	<10	17	10	41
D866307		<1	<20	<0.01	<10	<10	1	<10	7
E810501		29	<20	0.08	<10	<10	41	<10	23
E810502		48	<20	0.22	<10	<10	140	<10	88
E810503		8	<20	0.01	<10	<10	45	<10	30
E810504		340	<20	0.35	<10	<10	143	<10	46
E810505		1	<20	<0.01	<10	<10	15	<10	78
E810506		1	<20	<0.01	<10	<10	17	<10	45
E810507		2	<20	<0.01	<10	<10	4	<10	19
E810508		1	<20	<0.01	<10	<10	6	<10	14
E810509		1	<20	<0.01	<10	<10	5	<10	6
E810510		2	<20	<0.01	<10	<10	3	<10	12
E810511		11	<20	0.01	<10	<10	6	<10	14
E810512		47	<20	0.03	<10	<10	15	30	62
E810513		28	<20	0.03	<10	<10	11	<10	33
E810514		17	20	0.02	<10	<10	12	<10	25
E810515		15	<20	0.06	<10	<10	34	<10	155
E810516		21	<20	0.12	<10	<10	24	<10	63
E810517		3	<20	<0.01	<10	<10	48	<10	442
E810518		33	<20	0.09	<10	<10	47	20	30
E810519		59	20	0.11	<10	<10	49	<10	22
E810520		29	<20	0.02	<10	<10	16	40	48
E810521		23	<20	0.06	<10	<10	19	10	154
E810522		34	<20	0.02	<10	<10	36	<10	40
E810523		2	<20	0.01	<10	<10	12	150	7
E810524		4	<20	<0.01	<10	<10	1	10	8
E810525		4	<20	0.03	<10	<10	56	<10	24
E810526		12	<20	0.21	<10	<10	134	<10	76
E810527		1	<20	<0.01	<10	<10	6	10	7
E810528		<1	<20	<0.01	<10	<10	2	<10	2
E810529		1	<20	<0.01	<10	<10	3	<10	3
E810530		<1	<20	<0.01	<10	<10	3	<10	2
E810531		60	<20	0.18	<10	<10	44	<10	59
E810532		5	<20	0.01	<10	<10	50	<10	13
E810533		4	<20	0.05	<10	<10	24	<10	23



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Sample Description	Method	Analyte	Units	LOD	WEI-21 Recvd Wt.	Au-ICP21 Au	ME-ICP41 Ag	ME-ICP41 Al	ME-ICP41 As	ME-ICP41 B	ME-ICP41 Ba	ME-ICP41 Be	ME-ICP41 Bi	ME-ICP41 Ca	ME-ICP41 Cd	ME-ICP41 Co	ME-ICP41 Cr	ME-ICP41 Cu	ME-ICP41 Fe
					kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
					0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
E810534					1.27	<0.001	0.4	0.30	<2	<10	50	<0.5	<2	0.19	<0.5	5	25	341	0.97
E810535					1.47	<0.001	0.3	1.70	2	<10	700	<0.5	<2	0.22	<0.5	15	73	131	3.44
E810536					0.86	0.027	9.7	0.07	<2	<10	<10	<0.5	467	<0.01	0.8	2	10	618	0.84
E810537					2.16	0.002	10.6	0.11	<2	<10	<10	<0.5	116	0.01	1.3	2	10	2540	0.49
E810538					1.54	<0.001	2.9	0.05	<2	<10	<10	<0.5	72	0.03	<0.5	2	14	4540	0.32

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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 Li 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
E810534		<10	<1	0.09	<10	<10	0.17	233	213	<0.01	10	160	<2	0.03	<2	1
E810535		10	<1	1.18	10	30	1.11	930	1015	0.06	47	490	3	0.09	<2	8
E810536		<10	<1	<0.01	<10	<10	0.02	33	50	<0.01	1	10	122	<0.01	<2	<1
E810537		<10	<1	<0.01	<10	<10	0.04	65	16	<0.01	2	10	89	<0.01	<2	<1
E810538		<10	<1	<0.01	<10	<10	0.05	96	15	<0.01	1	10	103	<0.01	<2	<1

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To: PLAINVIEW GEOSCIENCE
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 Plus Appendix Pages
 Finalized Date: 20-SEP-2023
 Account: GEOPLAIN

Project: Big Ray

CERTIFICATE OF ANALYSIS WH23247739

	Method	Analyte	Units	LOD	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
Sample Description					Sr	Th	Ti	Tl	U	V	W	Zn
					ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
					1	20	0.01	10	10	1	10	2
E810534					6	<20	0.02	<10	<10	15	<10	16
E810535					15	<20	0.25	<10	<10	103	<10	62
E810536					1	<20	<0.01	<10	<10	10	10	41
E810537					1	<20	<0.01	<10	<10	11	<10	61
E810538					1	<20	<0.01	<10	<10	3	<10	12

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

