

Gold potential of the Roraima Supergroup in Guyana

by

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Mineralium Deposita

Online supplementary material Table A2

**Whole rock geochemical data for siliciclastic rocks of the Roraima Supergroup
in borehole V5, Veelgrad (Maikwak) locality**

Table A2 Whole rock geochemical data for siliciclastic rocks of the Roraima Supergroup in borehole V5, Veelgrad (Maikwak) locality.

Sample	Lithology	SiO ₂ wt. %	TiO ₂	Al ₂ O ₃	Fe ₂ O ₃ *	MnO	MgO	CaO	Na ₂ O	K ₂ O	P ₂ O ₅	LOI	Total
HFR 781	arenite	96.95	0.05	1.19	0.74	0.01	0.06	0.17	0.13	0.19	0.06	0.14	99.69
HFR 782	arenite	95.91	0.07	1.72	0.81	0.01	0.05	0.08	0.04	0.40	0.04	0.19	99.32
HFR 783	arenite	97.05	0.05	1.10	0.76	0.00	0.05	0.18	0.00	0.22	0.09	0.13	99.63
HFR 784	arenite	97.42	0.04	0.98	0.63	0.00	0.07	0.14	0.03	0.14	0.04	0.14	99.63
HFR 785	arenite	96.39	0.05	1.24	0.72	0.00	0.06	0.25	0.13	0.20	0.06	0.27	99.37
HFR 786	arenite	94.70	0.06	1.82	0.95	0.02	0.19	0.57	0.19	0.28	0.10	0.50	99.38
HFR 787	arenite	97.73	0.03	1.00	0.47	0.02	0.07	0.43	0.14	0.11	0.02	0.37	100.39
HFR 788	arenite	98.00	0.03	0.98	0.44	0.01	0.07	0.41	0.16	0.12	0.03	0.33	100.58
HFR 789	arenite	94.82	0.03	1.58	0.72	0.00	0.09	1.30	0.13	0.28	0.81	0.30	100.06
HFR 790	arenite	96.47	0.05	1.70	0.99	0.01	0.24	0.22	0.05	0.29	0.12	0.29	100.43
HFR 791	arenite	97.37	0.04	1.23	0.75	0.01	0.19	0.22	0.13	0.15	0.08	0.23	100.40
HFR 792	arenite	94.80	0.06	2.11	0.90	0.02	0.29	0.36	0.08	0.36	0.05	0.52	99.55
HFR 793	arenite	98.89	0.03	0.76	0.48	0.00	0.12	0.10	0.00	0.11	0.02	0.12	100.63
HFR 794	arenite	94.20	0.04	1.34	0.58	0.03	0.47	1.57	0.00	0.05	0.05	1.40	99.73
HFR 795	arenite	88.76	0.04	2.35	0.70	0.08	0.86	3.54	0.00	0.16	0.03	3.04	99.56
HFR 796	arenite	93.43	0.04	2.09	0.73	0.03	0.80	1.23	0.00	0.22	0.14	1.30	100.01
Degradation surface at 155.6 m depth between Cuquenán in footwall and Quinô Formation in hangingwall													
HFR 798	shale	49.89	0.76	24.63	10.35	0.06	2.08	0.42	0.30	6.73	0.24	3.96	99.42
HFR1831	shale	59.50	0.62	19.94	8.35	0.05	1.88	0.36	0.25	5.44	0.15	3.85	100.39
HFR1832	shale	59.67	0.61	20.10	8.18	0.05	1.81	0.42	0.27	5.42	0.14	3.66	100.33
HFR1833	shale	59.08	0.64	20.48	8.39	0.04	1.79	0.36	0.28	5.49	0.19	3.52	100.26
HFR1834	shale	57.52	0.66	21.11	8.93	0.04	1.77	0.39	0.29	5.66	0.17	3.49	100.03
HFR 1835	shale	56.35	0.66	22.03	8.97	0.05	1.77	0.46	0.42	5.84	0.18	3.54	100.27
HFR 1839	shale	57.06	0.65	21.31	8.99	0.08	2.07	0.48	0.38	5.20	0.17	3.58	99.97
HFR 1840	shale	57.65	0.65	21.77	7.88	0.09	2.25	0.51	0.39	5.09	0.15	3.79	100.22
HFR 1842	shale	57.62	0.66	21.85	7.36	0.09	2.18	0.48	0.40	5.01	0.19	4.04	99.88
HFR 1843	shale	57.67	0.64	21.67	8.40	0.11	2.41	0.39	0.38	4.71	0.16	3.94	100.48
HFR 1845	shale	57.43	0.66	21.86	7.96	0.10	2.27	0.40	0.38	4.83	0.18	3.94	100.01
HFR 1846	shale	57.27	0.67	21.97	8.12	0.10	2.24	0.46	0.42	4.75	0.18	3.94	100.12
HFR 1847	shale	57.50	0.67	21.96	8.14	0.10	2.20	0.42	0.40	4.75	0.18	3.96	100.28
HFR 1848	shale	57.14	0.66	21.91	8.51	0.11	2.27	0.43	0.43	4.71	0.18	3.85	100.20
HFR 1849	shale	56.63	0.66	21.56	9.15	0.11	2.37	0.41	0.46	4.58	0.18	3.93	100.04

HFR 1851	shale	57.12	0.66	21.95	8.60	0.11	2.25	0.34	0.45	4.69	0.18	3.88	100.23
HFR 1853	shale	56.19	0.66	22.25	9.06	0.11	2.30	0.52	0.48	4.60	0.19	4.08	100.44
HFR 1854	shale	57.53	0.64	21.58	8.40	0.10	2.18	0.60	0.52	4.50	0.21	3.79	100.05
HFR 1855	shale	58.71	0.65	22.01	6.96	0.09	1.95	0.52	0.51	4.74	0.16	3.87	100.17
HFR 1856	shale	56.56	0.65	22.14	8.74	0.10	2.24	0.52	0.54	4.60	0.18	4.10	100.37
HFR 1857-1	shale	56.81	0.65	22.02	8.05	0.09	2.15	0.61	0.57	4.63	0.18	4.20	99.96
HFR 1857-2	shale	57.09	0.65	22.04	8.02	0.09	2.13	0.60	0.55	4.64	0.18	4.16	100.15
HFR 1857/3	shale	57.05	0.66	21.97	8.08	0.09	2.17	0.61	0.58	4.65	0.18	4.18	100.22
HFR 1857/4	shale	57.06	0.66	22.03	8.08	0.09	2.13	0.60	0.55	4.63	0.18	4.18	100.19
HFR 1859	shale	56.49	0.65	22.06	8.68	0.10	2.22	0.58	0.61	4.55	0.18	4.12	100.24
HFR 1860	shale	56.95	0.66	22.09	8.50	0.10	2.19	0.57	0.60	4.55	0.18	4.03	100.42
HFR 1861	shale	56.85	0.65	22.09	8.37	0.09	2.17	0.53	0.64	4.59	0.15	3.98	100.11
HFR 1862	shale	56.86	0.66	22.21	8.16	0.09	2.12	0.54	0.66	4.68	0.16	4.07	100.21
HFR 1863	shale	57.94	0.65	21.59	7.86	0.09	2.05	0.59	0.66	4.51	0.16	3.92	100.02
HFR 1865	shale	56.68	0.66	21.86	8.70	0.09	2.18	0.58	0.67	4.50	0.16	4.08	100.16
HFR 1866	shale	57.49	0.65	21.50	8.24	0.09	2.08	0.62	0.72	4.43	0.15	3.97	99.94
HFR 1867	shale	58.69	0.65	21.61	7.27	0.09	1.95	0.78	0.86	4.35	0.16	3.76	100.17
HFR 1868	shale	56.86	0.66	22.16	8.16	0.10	2.11	0.53	0.71	4.58	0.16	3.98	100.01
HFR 1869	shale	58.10	0.66	21.59	7.91	0.10	2.05	0.68	0.82	4.31	0.16	3.80	100.18
HFR 1870	shale	55.82	0.66	22.74	8.76	0.10	2.17	0.56	0.72	4.60	0.16	4.14	100.43
HFR 1871	shale	57.46	0.66	21.74	8.53	0.09	2.11	0.58	0.75	4.41	0.15	3.87	100.35
HFR 1872	shale	57.80	0.67	22.10	7.98	0.09	2.07	0.52	0.79	4.53	0.15	3.65	100.35

*all iron calculated as Fe₂O₃;

Sample	Mo	Sn	Nb	Zr	Y	Sr	Rb	U	Th	Pb	Zn	Ga	Ni	Co	Cr	V	Ba	Sc	La	Ce	Nd	CIA
	ppm																					
HFR 781	0	0	0	44	11	15	7	0	0	0	0	0	0	0	33	18	69					76
HFR 782	0	0	0	82	14	17	18	0	5	0	0	0	0	0	42	24	119					81
HFR 783	0	0	0	66	10	12	13	0	5	0	0	0	0	0	59	24	63					98
HFR 784	0	0	0	52	10	11	6	0	0	0	0	0	0	0	49	18	41					82
HFR 785	0	0	0	66	12	19	8	0	0	10	0	0	0	0	43	14	54					70
HFR 786	0	0	0	73	11	36	10	0	0	0	0	0	0	0	68	22	68					63
HFR 787	0	0	0	38	9	17	6	0	7	7	0	0	0	0	31	15	42					50
HFR 788	0	0	0	49	0	17	8	7	6	0	0	7	0	0	25	12	40					51
HFR 789	0	0	0	32	18	24	16	11	0	9	0	0	0	0	35	18	99					
HFR 790	0	0	0	44	9	17	15	0	7	8	0	7	0	0	64	14	86					96
HFR 791	0	0	0	48	11	14	7	5	0	9	0	0	0	0	44	13	46					81
HFR 792	0	0	0	50	11	15	20	0	0	0	0	0	0	0	59	15	101					71
HFR 793	0	0	0	32	0	0	0	0	0	0	0	0	0	0	33	18	41					81
HFR 794	0	0	0	33	9	27	0	0	0	0	0	0	0	0	42	17	34					34
HFR 795	0	0	0	45	10	40	11	0	0	0	16	0	0	0	88	21	43					27
HFR 796	0	0	0	62	9	22	14	0	0	9	17	8	0	0	150	19	51					56
Degradation surface at 155.6 m depth																						
HFR 798	0	0	18	127	29	47	333	9	11	22	107	34	42	18	253	73	1211					78
HFR1831	0	0	13	109	26	49	275	0	9	12	105	27	47	16	100	60	913					77
HFR1832	0	0	14	108	28	49	267	0	6	0	109	30	44	19	97	63	875					76
HFR1833	0	0	16	114	25	50	269	0	9	0	104	30	44	13	96	84	846					78
HFR1834	0	0	16	119	27	53	271	0	6	6	103	31	45	17	113	104	859					77
HFR 1835	0	0	14	109	29	54	271	0	11	26	115	23	46	0	136	118	865	2	18	37	15	77
HFR 1839	0	0	14	110	27	53	248	0	6	24	117	23	44	11	105	134	778	2	42	82	30	78
HFR 1840	0	0	13	114	26	64	241	0	11	18	116	28	46	21	106	113	795	2	130	243	85	78
HFR 1842	0	0	14	114	29	55	232	0	13	11	120	32	42	22	106	101	767	8	14	26	11	79
HFR 1843	0	0	14	112	25	56	222	0	14	21	129	29	47	19	108	108	744	7	20	41	16	80
HFR 1845	0	0	14	113	28	58	221	0	10	42	118	21	44	16	108	105	763	9	21	38	15	80
HFR 1846	0	0	12	111	27	62	217	0	12	30	118	28	43	12	107	105	772	8	23	44	20	80
HFR 1847	0	0	14	111	27	60	219	0	6	29	113	22	44	11	108	101	756	7	15	32	14	80
HFR 1848	0	0	15	112	30	60	219	0	14	32	124	32	49	14	111	98	768	7	18	32	14	80
HFR 1849	0	0	14	110	26	60	219	0	14	19	133	31	47	17	103	103	745	6	17	30	13	80

HFR 1851	0	0	13	109	28	57	218	0	13	21	120	29	47	16	105	110	794	80
HFR 1853	0	0	14	110	28	75	213	0	7	31	129	24	43	20	112	110	770	80
HFR 1854	0	0	13	109	31	77	210	0	14	28	126	24	46	<10	105	104	727	80
HFR 1855	0	0	13	108	25	79	210	0	7	34	109	35	42	12	107	97	771	79
HFR 1856	0	0	13	110	29	80	215	0	13	31	126	32	48	17	106	104	754	79
HFR 1857-1	0	0	14	112	28	72	211	0	11	33	120	26	44	14	106	99	759	79
HFR 1857-2	0	0	13	110	29	74	210	0	12	30	110	31	44	<10	119	107	760	79
HFR 1857/3	0	0	12	110	26	72	211	0	11	31	119	28	46	12	113	103	745	79
HFR 1857/4	0	0	13	111	27	71	211	0	8	29	111	27	46	10	103	102	766	79
HFR 1859	0	0	11	108	28	73	215	0	14	32	121	25	43	<10	108	104	763	79
HFR 1860	0	0	13	112	28	73	215	0	9	25	123	29	46	<10	103	103	800	79
HFR 1861	0	0	15	112	25	73	215	0	12	27	121	27	45	15	109	100	789	78
HFR 1862	0	0	14	109	27	70	218	0	14	21	124	35	44	12	102	101	797	78
HFR 1863	0	0	14	115	28	71	210	0	10	16	115	24	46	15	100	100	752	78
HFR 1865	0	0	14	112	30	73	215	0	12	14	127	25	44	12	116	104	749	78
HFR 1866	0	0	16	110	28	81	210	0	12	16	117	34	44	16	106	107	746	78
HFR 1867	0	0	13	112	30	85	200	0	12	28	108	24	41	15	104	101	762	77
HFR 1868	0	0	14	113	26	69	214	0	8	20	115	26	46	12	115	106	767	78
HFR 1869	0	0	14	113	29	83	205	0	14	27	112	35	43	21	103	110	767	77
HFR 1870	0	0	15	114	29	79	222	0	17	16	123	25	46	14	116	110	830	79
HFR 1871	0	0	14	116	27	82	211	0	10	19	121	22	44	17	107	100	759	78
HFR 1872	0	0	13	119	31	76	212	0	11	14	118	29	43	13	107	103	793	78