

**Table 5.** ICP geochemical summaries of rocks and surficial sediments grouped by site and averages for sandstone

Site	Sample type	Depth, cm	N	Al, wt %	Ca, wt %	K, wt %	Mg, wt %	Na, wt %	P, ppm	Mn, ppm	Ce, ppm	Nd, ppm	Ni, ppm	Pb, ppm	Sr, ppm	V, ppm	Zn, ppm
7U-3	Crust	0–0.5	1	2.6	1.70	1.70	0.59	0.15	300	340	30	14	9	15	60	22	20
	Soil under crust	0.5–2.0	1	2.8	1.50	1.70	0.55	0.13	300	380	27	14	10	15	60	23	21
	Soil under crust	2.0–5.0	1	3.2	0.79	1.80	0.47	0.12	300	420	33	16	12	13	60	29	23
	<i>Red sandstone</i>		1	2.3	1.90	1.70	0.13	0.05	200	260	24	12	8	7	38	16	10
7U-6	Crust	0–0.5	2	2.8	0.18	1.95	0.26	0.18	250	185	22	10.5	9.5	29.5	81.5	20.5	27
	Soil under crust	0.5–2.0	1	2.8	0.17	2.00	0.27	0.17	200	190	22	10	10	32	88	20	26
	Soil under crust	2.0–5.0	1	2.5	0.12	2.00	0.23	0.14	200	160	18	9	8	28	78	18	20
	<i>Sandstone</i>		1	1.9	0.03	1.90	0.07	0.05	70	39	8	1	5	11	65	7	5
7U-7	Crust	0–0.5	1	2.6	3.10	1.40	0.51	0.26	300	200	28	13	10	15	90	21	27
	Soil under crust	0.5–2.0	1	2.4	2.80	1.20	0.45	0.21	300	200	27	13	11	12	81	20	27
	Soil under crust	2.0–5.0	1	2.6	2.70	1.20	0.39	0.20	300	190	27	14	11	10	77	21	32
	<i>Sandstone</i>		1	1.2	7.90	0.75	0.07	0.03	90	100	10	6	7	5	50	5	9
7U-9	Crust	0–0.5	1	4.7	7.70	1.60	0.49	0.19	400	200	35	18	12	16	130	25	22
	Soil under crust	0.5–2.0	1	4.9	5.50	1.70	0.37	0.13	200	140	27	14	11	13	100	22	20
	Soil under crust	2.0–5.0	1	4.3	3.30	1.60	0.28	0.09	200	110	23	11	10	12	79	20	17
	<i>Red sandstone</i>		1	2.5	0.46	1.40	0.08	0.04	100	22	17	8	8	9	41	12	8
7U-12	Crust	0–0.5	2	1.55	0.84	0.93	0.25	0.11	200	130	14	6.5	6	9.5	46	13.5	13.5
	Soil under crust	0.5–2.0	1	1.3	0.68	0.80	0.19	0.09	200	100	11	5	5	8	38	11	11
	Soil under crust	2.0–5.0	1	1.5	0.61	0.87	0.20	0.10	200	120	12	6	6	6	38	12	12
	<i>Sandstone</i>		1	1.2	0.05	0.62	0.05	0.02	60	50	7	1	5	5	21	7	7
Averages, all sandstone																	
	Crust	0–0.5	7	2.66	2.08	1.49	0.37	0.17	271	195.7	23.6	12.4	8.9	17.7	76.4	19.4	21.4
	Soil under crust	0.5–2.0	5	2.84	2.13	1.48	0.37	0.15	240	202.0	22.8	11.2	9.4	16.0	73.4	19.2	21.0
	Soil under crust	2.0–5.0	5	2.82	1.50	1.49	0.31	0.13	240	200.0	22.6	11.2	9.4	13.8	66.4	20.0	20.8
	<i>Sandstone</i>		5	1.82	2.07	1.27	0.08	0.04	104	94.2	13.2	5.6	6.6	7.4	43.0	9.4	7.8

Crust, biologic soil crust; N, number of samples; wt %, weight percent.