

Table S16, Hatley et al.

Date/Time	SO ₄ ⁻⁻ (mg/L)	Ca ⁺⁺ /Mg ⁺⁺ (concentration ratio)	Fraction Precipitation	Adjusted SO ₄ ⁻⁻ (mg/L)	Adjusted Ca ⁺⁺ /Mg ⁺⁺ (concentration ratio)	Stream Discharge (m ³ /s)	Fraction Eiss	Fraction Morrill	Fraction Soil
4/15/21 12:30	27.67	5.48	0.00	27.67	5.48	0.01	0.70	0.29	0.01
5/6/21 15:33	31.02	5.59	0.00	31.02	5.59	0.00	0.73	0.26	0.01
5/7/21 13:21	31.20	5.80	0.00	31.20	5.80	0.00	0.79	0.19	0.02
5/8/21 13:12	30.88	5.21	0.03	31.78	5.21	0.00	0.60	0.36	0.01
5/8/21 21:48	23.03	5.42	0.16	27.17	5.41	0.00	0.57	0.26	0.01
5/8/21 22:40	29.20	5.22	0.09	31.91	5.22	0.00	0.57	0.34	0.01
5/8/21 23:25	24.01	5.09	0.31	33.92	5.08	0.00	0.40	0.28	0.01
5/9/21 0:10	23.31	5.33	0.34	34.33	5.32	0.01	0.43	0.22	0.01
5/9/21 1:20	28.66	4.87	0.23	36.94	4.86	0.01	0.39	0.37	0.01
5/9/21 2:41	31.81	5.10	0.20	39.57	5.09	0.01	0.46	0.32	0.01
5/9/21 4:42	32.52	5.21	0.14	37.76	5.21	0.00	0.52	0.32	0.01
5/10/21 10:10	33.24	5.28	0.03	34.21	5.28	0.00	0.62	0.34	0.01
5/12/21 16:10	33.27	5.19	0.00	33.27	5.19	0.00	0.61	0.38	0.01
5/14/21 17:38	34.03	5.36	0.04	35.47	5.36	0.00	0.63	0.31	0.02
5/22/21 18:08	12.92	5.88	0.02	13.18	5.88	0.04	0.82	0.16	0.00
5/23/21 18:42	12.99	5.85	0.00	12.99	5.85	0.04	0.83	0.17	0.00
5/24/21 13:31	13.51	5.67	0.00	13.51	5.67	0.03	0.78	0.23	0.00
5/26/21 10:12	13.95	5.55	0.00	13.95	5.55	0.03	0.74	0.26	0.00
5/26/21 20:41	14.74	5.64	0.00	14.74	5.64	0.03	0.77	0.24	0.00
5/26/21 21:40	14.72	5.75	0.00	14.72	5.75	0.03	0.80	0.20	0.00
5/26/21 23:00	14.78	5.79	0.00	14.78	5.79	0.03	0.81	0.19	0.00
5/27/21 0:00	15.06	5.66	0.00	15.06	5.66	0.03	0.77	0.23	0.00
5/27/21 1:00	14.74	5.77	0.01	14.89	5.77	0.04	0.79	0.20	0.00
5/27/21 3:30	13.95	5.69	0.04	14.50	5.69	0.08	0.75	0.21	0.00
5/28/21 9:29	13.32	5.86	0.01	13.46	5.86	0.04	0.82	0.17	0.00
5/31/21 17:54	13.84	5.83	0.01	13.98	5.83	0.04	0.81	0.18	0.00
6/1/21 11:50	13.85	5.63	0.02	14.14	5.63	0.03	0.75	0.24	0.00
6/8/21 17:11	16.48	5.46	0.00	16.48	5.46	0.02	0.71	0.29	0.00
6/11/21 13:32	18.12	5.46	0.00	18.12	5.46	0.01	0.71	0.29	0.00
6/11/21 14:29	18.13	5.40	0.01	18.28	5.40	0.01	0.68	0.31	0.00
6/11/21 15:30	18.42	5.55	0.00	18.42	5.55	0.01	0.73	0.27	0.00
6/14/21 16:19	20.00	5.20	0.00	20.00	5.20	0.01	0.63	0.37	0.00
6/22/21 12:34	29.91	4.83	0.01	30.24	4.83	0.00	0.50	0.48	0.00
6/24/21 19:45	31.18	4.48	0.01	31.53	4.48	0.00	0.40	0.58	0.00
6/24/21 20:46	25.33	4.56	0.07	27.13	4.56	0.00	0.40	0.53	0.00
6/24/21 21:40	30.23	4.43	0.03	31.10	4.43	0.00	0.38	0.59	0.00
6/25/21 15:25	31.53	4.76	0.00	31.53	4.76	0.00	0.49	0.51	0.01
6/26/21 19:00	31.47	4.55	0.00	31.47	4.55	0.00	0.43	0.57	0.00
6/27/21 16:07	31.94	4.46	0.01	32.30	4.46	0.00	0.40	0.59	0.00
6/29/21 17:35	29.89	4.78	0.00	29.89	4.78	0.00	0.50	0.50	0.00
7/1/21 10:15	30.10	4.78	0.00	30.10	4.78	0.00	0.50	0.50	0.00
7/15/21 12:45	19.35	5.70	0.58	43.65	5.68	0.02	0.31	0.10	0.01
7/16/21 15:37	30.35	4.95	0.11	34.02	4.94	0.00	0.48	0.40	0.01