



Water-Data Report 2006

09376800 SPRING CREEK NEAR MONTICELLO, UT

Lower San Juan Basin
Montezuma Subbasin

LOCATION.--Lat 37°53'20", long 109°27'57" referenced to North American Datum of 1927, in SE ¼ SE ¼ SE ¼ sec.25, T.33 S., R.22 E., San Juan County, UT, Hydrologic Unit 14080203, on the right bank, and 7.2 mi west of Monticello.

DRAINAGE AREA.--2.55 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--July 2001 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 8,720 ft above NGVD of 1929, from GPS.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum estimated daily discharge, 27 ft³/s, May 23, 2005, minimum daily discharge, 0.01 ft³/s, Feb 6, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 2.4 ft³/s, May 20, 21; minimum daily discharge, 0.09 ft³/s Sep. 4, 5, 6.

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FROM H350 DCP
DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES
[=e, estimated; &, affected value]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.13	e0.28	0.22	0.18	e0.20	e0.22	e0.29	1.8	1.5	0.34	0.15	0.12
2	0.13	e0.26	0.23	0.18	e0.21	e0.22	e0.28	1.9	1.4	0.33	0.15	0.11
3	0.15	e0.24	0.23	0.18	e0.21	e0.22	e0.29	2.0	1.4	0.29	0.14	0.10
4	0.23	0.23	0.22	e0.18	e0.21	e0.23	e0.33	2.0	1.3	0.28	0.21	0.09
5	0.25	0.24	0.21	e0.20	e0.21	e0.23	e0.41	2.0	1.2	0.30	0.23	0.09
6	0.27	0.25	0.22	e0.19	e0.21	e0.24	e0.47	1.9	1.1	0.31	0.23	0.09
7	0.24	0.25	0.22	e0.19	e0.21	e0.24	e0.50	1.7	1.0	0.30	0.25	0.10
8	0.27	0.25	0.22	e0.19	e0.21	e0.24	e0.51	1.7	1.1	0.36	0.28	0.16
9	0.34	0.25	0.22	e0.19	e0.21	e0.24	e0.60	1.7	1.1	0.32	0.26	0.37
10	0.35	0.25	0.21	e0.19	e0.21	e0.24	e0.71	1.6	1.0	0.35	0.22	0.88
11	0.35	0.30	0.20	e0.19	e0.21	e0.24	e0.80	1.5	0.95	0.34	0.20	0.59
12	0.36	0.30	0.20	e0.19	e0.21	e0.24	e0.84	1.5	0.89	0.32	0.19	0.49
13	0.35	0.29	0.21	e0.19	e0.21	e0.24	e0.92	1.6	0.83	0.30	0.19	0.44
14	0.35	0.28	0.20	e0.19	e0.21	e0.24	e1.1	1.7	0.77	0.27	0.20	0.41
15	0.36	0.27	e0.20	e0.19	e0.21	e0.24	e1.2	1.9	0.75	0.24	0.20	0.41
16	0.39	0.23	e0.19	e0.19	e0.21	e0.24	e1.2	2.1	0.72	0.23	0.24	0.41
17	0.40	0.25	0.19	e0.20	e0.22	e0.24	e1.2	2.2	0.66	0.22	0.24	0.37
18	0.42	0.24	0.19	e0.21	e0.22	e0.24	e1.2	2.2	0.59	0.21	0.21	0.34
19	0.45	0.23	0.19	e0.21	e0.22	e0.24	e1.2	2.3	0.56	0.21	0.19	0.31
20	0.42	0.22	0.20	e0.20	e0.22	e0.25	e1.1	2.4	0.53	0.20	0.20	0.32
21	0.42	0.21	0.20	e0.20	e0.22	e0.25	e1.1	2.4	0.51	0.21	0.19	0.32
22	0.42	&0.21	0.20	e0.20	e0.22	e0.25	e1.2	2.3	0.49	0.21	0.18	0.34
23	0.41	e0.21	0.19	e0.21	e0.22	e0.24	e1.3	2.3	0.46	0.20	0.18	0.34
24	0.39	&0.21	0.19	e0.21	e0.22	e0.25	e1.4	2.1	0.44	0.21	0.20	0.35
25	0.40	e0.20	0.18	e0.21	e0.22	e0.26	e1.4	2.1	0.42	0.20	0.22	0.35
26	e0.39	&0.22	0.19	e0.21	e0.21	e0.26	e1.4	2.0	0.40	0.17	0.27	0.33
27	e0.37	e0.21	e0.19	e0.21	e0.22	e0.27	e1.5	1.9	0.39	0.15	0.24	0.33
28	e0.34	e0.21	e0.19	e0.20	e0.21	e0.29	1.7	1.9	0.37	0.14	0.20	0.34
29	e0.32	e0.21	e0.19	e0.20	---	e0.30	1.7	1.8	0.35	0.15	0.17	0.39
30	e0.30	0.21	e0.18	e0.20	---	e0.29	1.7	1.7	0.34	0.16	0.15	0.48
31	e0.30	---	0.18	e0.20	---	e0.29	---	1.6	---	0.16	0.13	---
Total	10.27	7.21	6.25	6.08	5.97	7.68	29.55	59.8	23.52	7.68	6.31	9.77
Mean	0.33	0.24	0.20	0.20	0.21	0.25	0.98	1.93	0.78	0.25	0.20	0.33
Max	0.45	0.30	0.23	0.21	0.22	0.30	1.7	2.4	1.5	0.36	0.28	0.88
Min	0.13	0.20	0.18	0.18	0.20	0.22	0.28	1.5	0.34	0.14	0.13	0.09
Ac-ft	20	14	12	12	12	15	59	119	47	15	13	19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2006, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	0.25	0.22	0.12	0.10	0.13	0.18	0.68	3.77	3.13	0.61	0.29	0.20
Max	0.40	0.37	0.20	0.20	0.21	0.25	1.01	12.1	12.3	2.11	0.55	0.33
(WY)	(2005)	(2005)	(2006)	(2006)	(2006)	(2006)	(2005)	(2005)	(2005)	(2005)	(2005)	(2006)
Min	0.12	0.11	0.03	0.02	0.02	0.04	0.25	0.26	0.11	0.11	0.10	0.07
(WY)	(2004)	(2003)	(2003)	(2003)	(2003)	(2003)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)

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	Calendar Year 2005	Water Year 2006	Water Years 2002 - 2006	
Annual total	901.94	180.09		
Annual mean	2.47	0.49	0.81	
Highest annual mean			2.49	2005
Lowest annual mean			0.15	2002
Highest daily mean	27 May 23	2.4 May 20	27 May 23, 2005	
Lowest daily mean	0.09 Jan 3	0.09 Sep 4	0.01 Feb 6, 2003	
Annual seven-day minimum	0.11 Sep 21	0.10 Sep 1	0.02 Dec 18, 2002	
Annual runoff (ac-ft)	1,790	357	584	
10 percent exceeds	9.4	1.4	1.6	
50 percent exceeds	0.29	0.24	0.20	
90 percent exceeds	0.14	0.19	0.07	

