

10143500 CENTERVILLE CREEK ABOVE DIVERSIONS NEAR CENTERVILLE, UT

LOCATION.--Lat 40°54'59", long 111°51'44", in SW¼SW¼SE¼ sec. 8, T. 2N S., R. 1 E., Davis County, Hydrologic Unit 16020102, 1.2 mi east of Centerville.

DRAINAGE AREA.--3.15 mi².

PERIOD OF RECORD.--October 1949 to September 1980, May 1, 1999 to current year. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. V-notch sharp crested weir since November 1960. Elevation of gage 4,680 ft above NGVD of 1929, from topographic map. Prior to November 21, 1960, at site 250 ft downstream at different datum.

REMARKS.--Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 39 ft³/s, May 19, 2002, gage height, 2.44 ft; minimum daily recorded, 0.37 ft³/s, Sep 18, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8.6 ft³/s, Mar 26, gage height, 1.31 ft; minimum daily discharge, 0.37 ft³/s, Sep 18.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.66	0.97	1.1	1.0	0.98	1.2	5.3	5.3	3.9	1.5	0.62	0.50
2	0.65	0.96	0.99	1.1	0.98	1.2	6.2	5.4	3.7	1.4	0.66	0.52
3	0.79	1.0	0.98	1.0	0.98	1.2	6.4	5.6	3.6	1.4	0.69	0.79
4	0.79	1.0	0.95	1.0	1.00	1.2	6.3	6.1	3.5	1.3	0.60	0.71
5	0.76	0.99	0.96	1.0	0.99	1.2	e6.2	6.7	3.5	1.2	0.51	0.61
6	0.76	0.98	1.00	1.0	0.98	1.2	e6.4	7.1	3.4	1.2	0.49	0.55
7	0.75	0.99	1.2	1.0	1.00	1.2	e6.2	7.1	3.4	1.2	0.48	0.53
8	0.75	1.0	1.1	1.0	1.0	1.4	e6.5	7.1	3.3	1.3	0.47	0.48
9	0.73	1.1	0.95	1.0	0.98	1.6	5.8	7.1	3.2	1.2	0.48	0.46
10	0.75	1.2	1.0	1.0	0.98	1.9	5.3	7.0	3.8	1.2	0.46	0.46
11	0.79	1.0	1.0	1.0	0.98	2.0	4.8	7.2	3.0	1.1	0.43	0.45
12	0.80	1.0	0.99	1.0	0.98	2.0	4.6	6.6	2.7	1.1	0.42	0.47
13	0.81	1.1	1.0	1.0	0.98	2.1	4.6	6.3	2.5	1.0	0.40	0.47
14	0.81	1.1	1.0	1.0	0.98	2.1	4.7	5.8	2.4	1.0	0.39	0.46
15	0.82	1.1	0.95	1.0	0.98	2.2	4.5	5.5	2.3	1.0	0.38	0.47
16	0.81	1.1	0.85	1.0	0.98	2.2	4.3	5.3	2.2	1.0	0.42	0.46
17	0.81	1.1	0.85	1.0	0.99	2.4	4.3	5.2	2.2	1.0	0.57	0.43
18	0.81	1.0	0.85	1.0	1.1	2.7	4.7	5.3	2.1	0.94	0.62	0.37
19	0.81	1.0	0.85	1.0	1.2	3.4	4.3	5.4	2.2	0.84	0.73	0.55
20	0.83	1.1	0.93	1.0	1.1	3.9	4.1	5.4	2.1	1.2	0.62	0.63
21	0.84	1.1	1.0	1.0	1.1	4.3	4.5	5.4	2.1	0.99	0.64	0.61
22	0.84	0.96	0.98	1.0	1.1	4.8	4.3	5.6	2.0	0.92	0.68	0.60
23	0.85	0.94	0.95	1.0	1.1	6.0	4.4	5.1	1.9	0.90	0.75	0.58
24	0.86	0.94	1.0	1.0	1.1	5.9	4.7	4.6	1.8	0.87	0.83	0.59
25	0.89	0.94	1.1	1.0	1.1	5.8	4.9	4.3	1.7	0.83	0.73	0.58
26	0.89	0.96	e1.0	1.0	1.2	6.5	5.2	4.0	1.7	0.71	0.70	0.58
27	0.89	0.98	e1.0	1.0	1.2	5.2	5.5	3.9	1.6	0.69	0.69	0.55
28	0.89	1.00	e1.0	1.0	e1.2	4.3	5.8	4.3	1.5	0.65	0.61	0.56
29	0.89	1.0	e1.0	1.0	1.3	3.8	5.6	4.8	1.6	0.63	0.55	0.61
30	0.95	1.1	e1.0	1.0	---	3.9	5.3	4.3	1.6	0.61	0.51	0.65
31	0.91	---	e1.0	0.99	---	4.5	---	4.1	---	0.59	0.51	---
TOTAL	25.19	30.71	30.53	31.09	30.54	93.3	155.7	172.9	76.5	31.47	17.64	16.28
MEAN	0.81	1.02	0.98	1.00	1.05	3.01	5.19	5.58	2.55	1.02	0.57	0.54
MAX	0.95	1.2	1.2	1.1	1.3	6.5	6.5	7.2	3.9	1.5	0.83	0.79
MIN	0.65	0.94	0.85	0.99	0.98	1.2	4.1	3.9	1.5	0.59	0.38	0.37
AC-FT	50	61	61	62	61	185	309	343	152	62	35	32

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950-80, 2000-04, BY WATER YEAR (WY)

MEAN	1.35	1.41	1.38	1.37	1.42	1.96	4.85	10.1	6.06	2.26	1.38	1.24
MAX	2.22	2.06	2.00	2.23	2.25	5.49	10.2	21.1	17.4	6.31	3.00	2.10
(WY)	(1976)	(1972)	(1972)	(1972)	(1971)	(1972)	(1974)	(1952)	(1975)	(1975)	(1975)	(1975)
MIN	0.81	0.90	0.89	0.88	1.00	0.88	1.92	2.07	0.97	0.56	0.55	0.54
(WY)	(2004)	(1962)	(1955)	(1962)	(2002)	(1955)	(1961)	(1961)	(1961)	(1961)	(1961)	(2004)

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 1950-80, 2000-04

ANNUAL TOTAL	471.98	711.85	
ANNUAL MEAN	1.29	1.94	2.88
HIGHEST ANNUAL MEAN			4.99
LOWEST ANNUAL MEAN			1.08
HIGHEST DAILY MEAN	3.6	7.2	35
LOWEST DAILY MEAN	0.48	0.37	0.37
ANNUAL SEVEN-DAY MINIMUM	0.52	0.41	0.41
ANNUAL RUNOFF (AC-FT)	936	1,410	2,090
10 PERCENT EXCEEDS	2.6	5.3	6.7
50 PERCENT EXCEEDS	1.1	1.0	1.6
90 PERCENT EXCEEDS	0.62	0.58	0.94

e Estimated