

TRIBUTARIES BETWEEN WEBER AND JORDAN RIVERS

10143500 CENTERVILLE CREEK ABOVE DIVERSIONS NEAR CENTERVILLE, UT

LOCATION.--Lat 40°54'59", long 111°51'44", in SW¹/₄SW¹/₄SE¹/₄ 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 except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 39 ft³/s, May 19, 2002, gage height, 2.44 ft; minimum daily recorded, 0.5 ft³/s, Mar 16, 1975 and several days in 1961.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 39 ft³/s, May 19, gage height, 2.44 ft; minimum daily discharge, 0.64 ft³/s, Jul 31, Aug 1.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 0.91 | 1.3 | 1.3 | e1.3 | 1.1 | e1.1 | e2.8 | 9.6 | 6.7 | 1.9 | 0.64 | 0.82 |
| 2 | 0.91 | 1.2 | 1.4 | e1.2 | 1.1 | e1.1 | e2.8 | 9.4 | 6.7 | 1.8 | 0.71 | 0.85 |
| 3 | 0.92 | 1.2 | 1.5 | e1.2 | 1.1 | e1.1 | 3.2 | 9.2 | 6.2 | 1.8 | 0.86 | 0.84 |
| 4 | 0.92 | e1.2 | 1.3 | e1.3 | 0.92 | e1.1 | 3.5 | 9.2 | 5.8 | 1.7 | 0.80 | 0.84 |
| 5 | 0.93 | e1.2 | 1.3 | e1.2 | e0.93 | e1.1 | 4.2 | 9.5 | 5.5 | 1.7 | 0.77 | 1.0 |
| 6 | 0.94 | e1.2 | 1.4 | e1.2 | e0.94 | e1.1 | 4.6 | 9.7 | 5.2 | 1.6 | 0.77 | 1.1 |
| 7 | 0.94 | e1.4 | 1.3 | e1.3 | e0.94 | e1.1 | 4.5 | 9.8 | 5.0 | 1.5 | 0.75 | 1.0 |
| 8 | 0.96 | e1.2 | 1.3 | 1.3 | e0.94 | e1.0 | 4.3 | 9.5 | 4.8 | 1.4 | 0.77 | 1.5 |
| 9 | 1.3 | e1.2 | 1.3 | 1.3 | e0.94 | e1.1 | 4.4 | 9.1 | 4.8 | 1.4 | e0.79 | 1.3 |
| 10 | 1.3 | e1.1 | 1.3 | 1.2 | e0.94 | e1.1 | 5.3 | 8.4 | 4.4 | 1.5 | e0.80 | 1.2 |
| 11 | 1.3 | e1.1 | 1.3 | 1.2 | e0.94 | e1.0 | 5.3 | 7.3 | 4.2 | 1.4 | e0.95 | 1.2 |
| 12 | 1.4 | e1.1 | 1.3 | 1.2 | e0.94 | e1.1 | 5.6 | 7.3 | 3.9 | 1.3 | e1.0 | 1.2 |
| 13 | 1.4 | e1.1 | 1.3 | 1.2 | e0.94 | e1.4 | 6.0 | 6.7 | 3.7 | 1.3 | 0.92 | 1.2 |
| 14 | 1.3 | 1.1 | 1.3 | 1.1 | e0.94 | e1.1 | 6.4 | 6.2 | 3.5 | 1.3 | 0.90 | 1.1 |
| 15 | 1.3 | 1.1 | e1.6 | 1.1 | e0.94 | e1.1 | 7.1 | 6.7 | 3.3 | 1.3 | 0.88 | 1.1 |
| 16 | 1.3 | 1.1 | e1.4 | 1.1 | e0.94 | e1.1 | 6.3 | 6.9 | 3.2 | 1.3 | 0.85 | 1.2 |
| 17 | 1.3 | 1.1 | e1.3 | 1.1 | e0.94 | e1.1 | 5.3 | 7.0 | 3.1 | 1.3 | 0.86 | 1.2 |
| 18 | 1.3 | 1.2 | e1.2 | 1.1 | e0.94 | e1.1 | 4.6 | 7.4 | 3.0 | 1.2 | e0.87 | 1.6 |
| 19 | 1.3 | 1.1 | e1.2 | 1.1 | e0.94 | e1.1 | 4.2 | 11 | 2.9 | 1.0 | e0.87 | 1.2 |
| 20 | 1.3 | 1.1 | e1.1 | 1.1 | e1.0 | e1.2 | 3.8 | 8.3 | 2.8 | 1.0 | e0.88 | 1.1 |
| 21 | 1.3 | 1.1 | e1.1 | 1.2 | e1.0 | e1.3 | 3.5 | 9.4 | 2.7 | 0.98 | e0.87 | 1.0 |
| 22 | 1.3 | 1.7 | e1.0 | 1.2 | e1.0 | e1.3 | 3.7 | 8.8 | 2.7 | 0.92 | e0.86 | 1.0 |
| 23 | 1.3 | 1.4 | e1.1 | 1.2 | e1.0 | e1.5 | 4.2 | 8.1 | 2.6 | 0.85 | e0.87 | 1.00 |
| 24 | 1.4 | 1.3 | e1.0 | 1.2 | e1.0 | e1.6 | 4.6 | 7.5 | 2.4 | 0.81 | 0.88 | 0.98 |
| 25 | 1.4 | 1.3 | e1.0 | 1.2 | e1.1 | e1.8 | 5.0 | 7.0 | 2.3 | 0.77 | 0.87 | 0.99 |
| 26 | e1.3 | 1.4 | e1.1 | 1.2 | e1.1 | e1.7 | 6.1 | 6.6 | 2.2 | 0.73 | 0.85 | 1.0 |
| 27 | e1.3 | 1.3 | e1.1 | 1.2 | e1.3 | e2.1 | 8.2 | 6.2 | 2.1 | 0.70 | 0.89 | 1.0 |
| 28 | e1.2 | 1.3 | e1.1 | 1.1 | e1.3 | e2.3 | 8.5 | 6.1 | 2.0 | 0.70 | 0.86 | 1.0 |
| 29 | e1.2 | 1.3 | e1.1 | 1.1 | --- | e2.5 | 8.9 | 6.3 | 1.9 | 0.68 | 0.83 | 1.0 |
| 30 | 1.1 | 1.3 | e1.2 | 1.1 | --- | e2.5 | 9.2 | 6.5 | 1.9 | 0.66 | 0.83 | 1.1 |
| 31 | 2.4 | --- | e1.1 | 1.1 | --- | e2.6 | --- | 6.6 | --- | 0.64 | 0.82 | --- |
| TOTAL | 38.43 | 36.7 | 38.3 | 36.6 | 28.11 | 43.4 | 156.1 | 247.3 | 111.5 | 37.14 | 26.07 | 32.62 |
| MEAN | 1.240 | 1.223 | 1.235 | 1.181 | 1.004 | 1.400 | 5.203 | 7.977 | 3.717 | 1.198 | 0.841 | 1.087 |
| MAX | 2.4 | 1.7 | 1.6 | 1.3 | 1.3 | 2.6 | 9.2 | 11 | 6.7 | 1.9 | 1.0 | 1.6 |
| MIN | 0.91 | 1.1 | 1.0 | 1.1 | 0.92 | 1.0 | 2.8 | 6.1 | 1.9 | 0.64 | 0.64 | 0.82 |
| AC-FT | 76 | 73 | 76 | 73 | 56 | 86 | 310 | 491 | 221 | 74 | 52 | 65 |

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950-80, 1999-2002, BY WATER YEAR (WY)

| | 1950-59 | 1960-69 | 1970-79 | 1980-89 | 1990-99 | 2000-02 |
|------|---------|---------|---------|---------|---------|---------|
| MEAN | 1.377 | 1.428 | 1.394 | 1.387 | 1.437 | 1.944 |
| MAX | 2.22 | 2.06 | 2.00 | 2.23 | 2.25 | 5.49 |
| (WY) | 1976 | 1972 | 1972 | 1972 | 1971 | 1972 |
| MIN | 0.82 | 0.90 | 0.89 | 0.88 | 1.00 | 0.88 |
| (WY) | 1962 | 1962 | 1955 | 1962 | 2002 | 1955 |

SUMMARY STATISTICS

| | FOR 2001 CALENDAR YEAR | FOR 2002 WATER YEAR | FOR WATER YEARS 1950-80, 1999-2002 |
|--------------------------|------------------------|---------------------|------------------------------------|
| ANNUAL TOTAL | 896.13 | 832.27 | |
| ANNUAL MEAN | 2.455 | 2.280 | 2.955 |
| HIGHEST ANNUAL MEAN | | | 4.99 |
| LOWEST ANNUAL MEAN | | | 1.08 |
| HIGHEST DAILY MEAN | 14 | 11 | 35 |
| LOWEST DAILY MEAN | 0.80 | 0.64 | 0.50 |
| ANNUAL SEVEN-DAY MINIMUM | 0.83 | 0.68 | 0.50 |
| ANNUAL RUNOFF (AC-FT) | 1780 | 1650 | 2140 |
| 10 PERCENT EXCEEDS | 6.5 | 6.3 | 7.1 |
| 50 PERCENT EXCEEDS | 1.3 | 1.2 | 1.6 |
| 90 PERCENT EXCEEDS | 0.90 | 0.88 | 1.0 |

e Estimated

