

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 sea level, 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 daily discharge, 35 ft³/s, about May 20, 1975; minimum daily recorded, 0.5 ft³/s, Mar 16, 1975 and several days in 1961.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 16 ft³/s, Apr 29, gage height, 1.68 ft; minimum daily discharge, 0.80 ft³/s, Aug 18, 19.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|------|------|------|------|------|-------|-------|------|------|-------|-------|
| 1 | 1.0 | 1.5 | 1.3 | 1.3 | 1.2 | 1.3 | 3.4 | 14 | 4.6 | 1.9 | 1.0 | .87 |
| 2 | 1.0 | 1.5 | 1.3 | 1.3 | 1.2 | 1.3 | 3.9 | 12 | 4.4 | 1.9 | 1.0 | .85 |
| 3 | 1.0 | 1.4 | 1.3 | 1.3 | 1.3 | 1.4 | 3.6 | 11 | 4.3 | 1.8 | 1.1 | .83 |
| 4 | 1.0 | 1.4 | 1.3 | 1.3 | 1.3 | 1.3 | 3.4 | 9.6 | 4.3 | 1.7 | 1.0 | .82 |
| 5 | 1.0 | 1.4 | 1.3 | 1.3 | 1.3 | 1.3 | 3.3 | 8.9 | 4.0 | 1.7 | .93 | .88 |
| 6 | 1.0 | 1.4 | 1.3 | 1.3 | 1.3 | 1.2 | 3.3 | 8.4 | 3.8 | 1.7 | .90 | 1.1 |
| 7 | .99 | 1.3 | 1.3 | 1.3 | 1.4 | 1.6 | 3.0 | 8.1 | 3.7 | 1.6 | .89 | 1.1 |
| 8 | 1.0 | 1.4 | 1.3 | 1.3 | 1.3 | 1.7 | 2.7 | 8.2 | 3.5 | 1.5 | .88 | 1.1 |
| 9 | 1.0 | 1.5 | 1.4 | 1.3 | 1.3 | 1.9 | 2.5 | 8.6 | 3.3 | 1.6 | .86 | 1.1 |
| 10 | 1.2 | 1.4 | 1.4 | 1.3 | 1.3 | 2.2 | 2.4 | 9.0 | 3.2 | 1.1 | .86 | 1.1 |
| 11 | 1.4 | 1.4 | 1.3 | 1.3 | 1.3 | 1.9 | 2.4 | 9.2 | 3.1 | 1.7 | .85 | 1.0 |
| 12 | 1.3 | 1.4 | 1.4 | 1.3 | 1.3 | 1.7 | 2.4 | 9.5 | 3.5 | 1.8 | .86 | 1.0 |
| 13 | 1.4 | 1.4 | 1.4 | 1.3 | 1.3 | 1.7 | 2.5 | 9.8 | 3.5 | 1.5 | .89 | 1.0 |
| 14 | 1.5 | 1.4 | 1.4 | 1.3 | 1.3 | 1.6 | 2.5 | 9.9 | 3.3 | 1.4 | .87 | .91 |
| 15 | 1.4 | 1.4 | 1.4 | 1.3 | 1.3 | 1.6 | 2.7 | 10 | 3.0 | 1.4 | .84 | .90 |
| 16 | 1.3 | 1.4 | 1.4 | 1.3 | 1.3 | 1.7 | 3.4 | 11 | 2.8 | 1.4 | .84 | .89 |
| 17 | 1.3 | 1.4 | 1.3 | 1.3 | 1.3 | 1.6 | 4.5 | 11 | 2.7 | 1.3 | .81 | .91 |
| 18 | 1.3 | 1.4 | 1.3 | 1.3 | 1.4 | 1.6 | 6.5 | 11 | 2.6 | 1.3 | .80 | .92 |
| 19 | 1.3 | 1.4 | 1.3 | 1.3 | 1.5 | 1.7 | 8.2 | 10 | 2.6 | 1.3 | .80 | .89 |
| 20 | 1.3 | 1.4 | 1.3 | 1.3 | 1.5 | 2.2 | 8.7 | 9.4 | 2.4 | 1.2 | .85 | .88 |
| 21 | 1.7 | 1.4 | 1.3 | 1.3 | 1.4 | 3.0 | 8.1 | 8.8 | 2.4 | 1.2 | 1.2 | .86 |
| 22 | 1.5 | 1.4 | 1.3 | 1.3 | 1.4 | 3.3 | 7.2 | 8.0 | 2.3 | 1.2 | 1.0 | .86 |
| 23 | 1.4 | 1.4 | 1.3 | 1.2 | 1.5 | 3.7 | 6.5 | 7.4 | 2.2 | 1.2 | .96 | .85 |
| 24 | 1.4 | 1.4 | 1.4 | 1.2 | 1.4 | 4.0 | 6.6 | 6.9 | 2.3 | 1.2 | .94 | .84 |
| 25 | 1.4 | 1.4 | 1.3 | 1.1 | 1.4 | 4.5 | 7.3 | 6.6 | 2.2 | 1.1 | .93 | .82 |
| 26 | 1.4 | 1.4 | 1.3 | 1.3 | 1.4 | 4.6 | 8.7 | 6.3 | 2.2 | 1.1 | .90 | .85 |
| 27 | 1.5 | 1.4 | 1.3 | 1.2 | 1.4 | 4.3 | 11 | 6.0 | 2.2 | 1.1 | .88 | .84 |
| 28 | 1.5 | 1.4 | 1.3 | 1.2 | 1.3 | 4.1 | 13 | 5.7 | 2.1 | 1.1 | .88 | .84 |
| 29 | 1.5 | 1.4 | 1.3 | 1.2 | --- | 3.9 | 14 | 5.4 | 2.0 | 1.1 | .88 | .88 |
| 30 | 1.7 | 1.4 | 1.3 | 1.2 | --- | 3.6 | 14 | 5.1 | 1.9 | 1.1 | .90 | .91 |
| 31 | 1.6 | --- | 1.3 | 1.2 | --- | 3.4 | --- | 4.8 | --- | 1.1 | .90 | --- |
| TOTAL | 40.29 | 42.2 | 41.1 | 39.4 | 37.6 | 74.9 | 171.7 | 269.6 | 90.4 | 43.3 | 28.20 | 27.60 |
| MEAN | 1.30 | 1.41 | 1.33 | 1.27 | 1.34 | 2.42 | 5.72 | 8.70 | 3.01 | 1.40 | .91 | .92 |
| MAX | 1.7 | 1.5 | 1.4 | 1.3 | 1.5 | 4.6 | 14 | 14 | 4.6 | 1.9 | 1.2 | 1.1 |
| MIN | .99 | 1.3 | 1.3 | 1.1 | 1.2 | 1.2 | 2.4 | 4.8 | 1.9 | 1.1 | .80 | .82 |
| AC-FT | 80 | 84 | 82 | 78 | 75 | 149 | 341 | 535 | 179 | 86 | 56 | 55 |

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950-80, 1999-2001, BY WATER YEAR (WY)

| | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 | 1962 | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | 1999 | 2000 | 2001 | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|
| MEAN | 1.38 | 1.43 | 1.40 | 1.39 | 1.45 | 1.96 | 4.91 | 10.6 | 6.36 | 2.37 | 1.44 | 1.28 | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | .82 | .90 | .89 | .88 | 1.04 | .88 | 1.92 | 2.07 | .97 | .56 | .55 | .65 | | | | | | | | | | | | | | | | | | | | | | | | |
| (WY) | 1962 | 1962 | 1955 | 1962 | 1964 | 1955 | 1961 | 1961 | 1961 | 1961 | 1961 | 1961 | | | | | | | | | | | | | | | | | | | | | | | | |

SUMMARY STATISTICS

| | FOR 2000 CALENDAR YEAR | | FOR 2001 WATER YEAR | | WATER YEARS 1950-80, 1999-2001 | |
|--------------------------|------------------------|--|---------------------|--|--------------------------------|--|
| ANNUAL TOTAL | 745.06 | | 906.29 | | | |
| ANNUAL MEAN | 2.04 | | 2.48 | | 2.98 | |
| HIGHEST ANNUAL MEAN | | | | | 4.99 | |
| LOWEST ANNUAL MEAN | | | | | 1.08 | |
| HIGHEST DAILY MEAN | 6.5 | | 14 | | 35 | |
| LOWEST DAILY MEAN | .81 | | .80 | | .50 | |
| ANNUAL SEVEN-DAY MINIMUM | .83 | | .83 | | .50 | |
| ANNUAL RUNOFF (AC-FT) | 1480 | | 1800 | | 2160 | |
| 10 PERCENT EXCEEDS | 4.5 | | 6.5 | | 7.3 | |
| 50 PERCENT EXCEEDS | 1.5 | | 1.4 | | 1.6 | |
| 90 PERCENT EXCEEDS | .99 | | .90 | | 1.0 | |