

Water-Data Report 2010

11453000 Yolo Bypass near Woodland, CA

Sacramento River Basin

LOCATION.--Lat 38°40'40", long 121°38'35" referenced to North American Datum of 1927, Yolo County, CA, Hydrologic Unit 18020109, unsurveyed, on left bank, 300 ft upstream from Sacramento and Woodland Railroad Bridge, 6 mi upstream from Sacramento Bypass, 6 mi downstream from Fremont Weir, and 7 mi east of Woodland.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1939 to current year (since October 1977, high flows only). Monthly discharge only for some periods, published in WSP 1315-A.

WATER TEMPERATURE: Water year 1980.

SEDIMENT DATA: Water years 1957-61, 1980.

REVISED RECORDS.--WDR CA-96-4: 1995 (instantaneous maximum discharge).

GAGE.--Water-stage recorder. Datum of gage is 3.41 ft below NGVD of 1929. Prior to Dec. 17, 1941, nonrecording gage, and Dec. 18-31, 1941, water-stage recorder, at datum 0.73 ft higher. Prior to Sept. 30, 1977, a supplementary water-stage recorder 6 mi downstream at different datum recorded low flow.

REMARKS.--Records not computed below 1,000 ft³/s. Flow is from Cache Creek and Knights Landing Ridge Cut plus floodwater passing over Fremont Weir. Published discharges reflect rated flows at this site minus the flows released at the Sacramento Weir Spill to Yolo Bypass, near Woodland (station 11426000), when it is in operation, which are provided by California Department of Water Resources. Beginning October 1977, only flows above 1,000 ft³/s are computed. See schematic diagrams of lower Sacramento River Basin and Sacramento-San Joaquin Delta available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 374,000 ft³/s, Feb. 20, 1986, gage height, 34.87 ft; no flow at times in several years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,370 ft³/s, Jan. 27, gage height, 22.38 ft.

11453000 Yolo Bypass near Woodland, CA—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

| Day | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|--------------|-----|-----|-----|-------|-------|-------|-------|-----|-----|-----|-----|-----|
| 1 | --- | --- | --- | --- | 5,570 | 2,000 | --- | --- | --- | --- | --- | --- |
| 2 | --- | --- | --- | --- | 5,400 | 2,040 | --- | --- | --- | --- | --- | --- |
| 3 | --- | --- | --- | --- | 5,210 | 1,770 | --- | --- | --- | --- | --- | --- |
| 4 | --- | --- | --- | --- | 5,010 | 1,630 | --- | --- | --- | --- | --- | --- |
| 5 | --- | --- | --- | --- | 4,860 | 1,730 | --- | --- | --- | --- | --- | --- |
| 6 | --- | --- | --- | --- | 4,550 | 2,010 | --- | --- | --- | --- | --- | --- |
| 7 | --- | --- | --- | --- | 4,570 | 1,930 | --- | --- | --- | --- | --- | --- |
| 8 | --- | --- | --- | --- | 4,690 | 1,440 | --- | --- | --- | --- | --- | --- |
| 9 | --- | --- | --- | --- | 4,660 | 1,020 | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | --- | 4,490 | --- | --- | --- | --- | --- | --- | --- |
| 11 | --- | --- | --- | --- | 4,280 | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | --- | --- | --- | 4,070 | --- | --- | --- | --- | --- | --- | --- |
| 13 | --- | --- | --- | --- | 3,800 | --- | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | --- | 3,480 | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | 3,200 | --- | 1,700 | --- | --- | --- | --- | --- |
| 16 | --- | --- | --- | --- | 2,940 | --- | 2,780 | --- | --- | --- | --- | --- |
| 17 | --- | --- | --- | --- | 2,680 | --- | 3,000 | --- | --- | --- | --- | --- |
| 18 | --- | --- | --- | --- | 2,380 | --- | 3,020 | --- | --- | --- | --- | --- |
| 19 | --- | --- | --- | --- | 1,930 | --- | 2,900 | --- | --- | --- | --- | --- |
| 20 | --- | --- | --- | 1,290 | 1,350 | --- | 2,840 | --- | --- | --- | --- | --- |
| 21 | --- | --- | --- | 4,100 | --- | --- | 2,680 | --- | --- | --- | --- | --- |
| 22 | --- | --- | --- | 5,730 | --- | --- | 1,710 | --- | --- | --- | --- | --- |
| 23 | --- | --- | --- | 5,390 | --- | --- | 1,100 | --- | --- | --- | --- | --- |
| 24 | --- | --- | --- | 5,810 | --- | --- | --- | --- | --- | --- | --- | --- |
| 25 | --- | --- | --- | 5,290 | --- | --- | --- | --- | --- | --- | --- | --- |
| 26 | --- | --- | --- | 5,600 | 1,250 | --- | --- | --- | --- | --- | --- | --- |
| 27 | --- | --- | --- | 7,170 | 1,740 | --- | --- | --- | --- | --- | --- | --- |
| 28 | --- | --- | --- | 6,300 | 1,830 | --- | --- | --- | --- | --- | --- | --- |
| 29 | --- | --- | --- | 5,950 | --- | --- | --- | --- | --- | --- | --- | --- |
| 30 | --- | --- | --- | 5,830 | --- | --- | --- | --- | --- | --- | --- | --- |
| 31 | --- | --- | --- | 5,730 | --- | --- | --- | --- | --- | --- | --- | --- |
| Total | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Mean | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Max | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Min | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Ac-ft | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1946 - 1977, BY WATER YEAR (WY)

| | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Mean | 441 | 738 | 5,638 | 13,230 | 11,240 | 3,398 | 3,849 | 430 | 144 | 20.7 | 26.1 | 51.0 |
| Max | 13,420 | 10,890 | 48,790 | 86,470 | 92,890 | 27,910 | 37,310 | 4,546 | 1,420 | 107 | 84.9 | 155 |
| (WY) | (1963) | (1951) | (1956) | (1970) | (1958) | (1958) | (1958) | (1952) | (1967) | (1958) | (1958) | (1954) |
| Min | 1.01 | 2.19 | 0.92 | 2.43 | 0.88 | 3.55 | 0.08 | 0.55 | 0.53 | 0.00 | 0.00 | 0.63 |
| (WY) | (1977) | (1960) | (1977) | (1977) | (1977) | (1977) | (1976) | (1977) | (1977) | (1966) | (1966) | (1977) |

11453000 Yolo Bypass near Woodland, CA—Continued**SUMMARY STATISTICS**

| | Water Years 1946 - 1977 | |
|---------------------------------|--------------------------------|--------------|
| Annual mean | 3,230 | |
| Highest annual mean | 13,020 | 1958 |
| Lowest annual mean | 1.53 | 1977 |
| Highest daily mean | 259,000 | Dec 25, 1964 |
| Lowest daily mean | 0.00 | Jul 11, 1963 |
| Annual seven-day minimum | 0.00 | Jul 19, 1963 |
| Maximum peak flow | 265,000 | Dec 25, 1964 |
| Maximum peak stage | 32.48 | Dec 25, 1964 |
| Annual runoff (ac-ft) | 2,340,000 | |
| 10 percent exceeds | 3,080 | |
| 50 percent exceeds | 35 | |
| 90 percent exceeds | 1.9 | |