

11426000 Sacramento Weir Spill to Yolo Bypass, near Sacramento, CA

Sacramento River Basin

LOCATION.--Lat 38°36'25", long 121°33'15" referenced to North American Datum of 1927, Sacramento County, CA, Hydrologic Unit 18020109, unsurveyed, in Mt. Diablo meridian, on right bank, 100 ft upstream from weir, 1 mi northwest of town of Bryte, 3.2 mi upstream from American River, 4 mi northwest of Sacramento, and 4.2 mi upstream from Sacramento.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for water years 1940-51, published in WSP 1735. Published as "Sacramento Weir near Sacramento" 1939-61. Gage-height records collected at same site February 1926 to September 1934 and major flood flows only October 1934 to September 1939 are contained in reports of California Department of Water Resources.

GAGE.--Water-stage recorder and concrete weir crest. Datum of gage is 3.00 ft below NGVD of 1929. October 1939 to September 1942, October 1959 to September 1963, water-stage recorder or nonrecording gage at downstream end of weir. October 1942 to September 1959, water-stage recorder on left bank of Sacramento River opposite center of weir. February 1963 to September 1985, water-stage recorder on right bank of Sacramento River 100 ft downstream from end of weir.

COOPERATION.--Records provided by California Department of Water Resources; not reviewed by the U.S. Geological Survey.

REMARKS.--Crest of weir is at gage height 20.2 ft and top of movable gates are at 28.0 ft. Weir consists of 48 gates each 38.1 ft long. Flow over weir enters Yolo Bypass by way of Sacramento Bypass. Flow regulated by weir gates. February 1963 to September 1985, stage was obtained by averaging the stage obtained at sites on the Sacramento River above and below the weir. 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, 128,000 ft³/s, Feb. 20, 1986, gage height, 30.84 ft, maximum gage height, 33.01 ft, Dec. 23, 1955; no flow all or most of each year.

EXTREMES FOR CURRENT YEAR.--No flow for 2013 water year.

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1.04	103	449	727	638	438	71.8	1.80	0.18	0.00	0.00	0.00
Max	72.6	7,014	12,470	19,700	23,920	17,830	2,042	79.1	12.7	0.00	0.00	0.00
(WY)	(1963)	(1951)	(1965)	(1997)	(1986)	(1983)	(1982)	(1983)	(1998)	(1943)	(1943)	(1943)
Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1944)	(1944)	(1944)	(1944)	(1944)	(1944)	(1944)	(1943)	(1943)	(1943)	(1943)	(1943)

SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1943 - 2013	
Annual total	0.00		0.00			
Annual mean	0.00		0.00		198	
Highest annual mean					2,075 1986	
Lowest annual mean					0.00 1944	
Highest daily mean	0.00	Jan 1	0.00	Oct 1	123,000	Feb 20, 1986
Lowest daily mean	0.00	Jan 1	0.00	Oct 1	0.00	Jan 1, 1943
Annual seven-day minimum	0.00	Jan 1	0.00	Oct 1	0.00	Jan 1, 1943
Maximum peak flow					128,000 Feb 20, 1986	
Maximum peak stage					33.01 Dec 23, 1955	
Annual runoff (ac-ft)	0.00		0.00		143,600	
10 percent exceeds	0.00		0.00		0.00	
50 percent exceeds	0.00		0.00		0.00	
90 percent exceeds	0.00		0.00		0.00	