11342000 Sacramento River at Delta, CA

Sacramento River Basin

LOCATION.--Lat 40°56′23″, long 122°24′58″ referenced to North American Datum of 1927, in SW ¼ NW ¼ sec.35, T.36 N., R.5 W., Shasta County, CA, Hydrologic Unit 18020005, U.S. Bureau of Reclamation property, on left bank, 0.2 mi downstream from Dog Creek, 0.6 mi southeast of Delta, 2.8 mi south of Lamoine, 25 mi north of city of Redding, and 29 mi downstream from Lake Siskiyou.

DRAINAGE AREA.--425 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1944 to current year. Monthly discharge only for some periods, published in WSP 1315-A.
CHEMICAL DATA: Water years 1951-81.
WATER TEMPERATURE: Water years 1951, 1954-57, 1963-79.

REVISED RECORDS.--WSP 1395: 1951 (instantaneous maximum discharge). WDR-CA-94-4: 1993 (peaks above the base).

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 1,075.00 ft above NGVD of 1929 (levels by U.S. Bureau of Reclamation).

REMARKS.--Records good. Some regulation by Lake Siskiyou, capacity, 26,100 acre-ft, since December 1968. Some minor diversions for irrigation upstream from station. See schematic diagram of Pit River and McCloud River Basins available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 69,800 ft^3/s, Jan. 16, 1974, gage height, 27.20 ft in gage well, 28.7 ft from floodmarks, from rating curve extended above 19,000 ft^3/s, on basis of slope-area measurements at gage height 19.50 ft, and of peak flow; minimum daily, 117 ft^3/s, Aug. 5, 6, 12-15, 1977.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 8,000 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 15	2130	9,100	10.55
Mar 24	1230	*9,290	*10.62

Suggested citation: U.S. Geological Survey, 2012, Water-resources data for the United States, Water Year 2011: U.S. Geological Survey Water-Data Report WDR-US-2011, site 11342000, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/11342000.2011.pdf

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	234	768	419	1,710	1,000	1,070	5,000	2,100	2,660	1,620	445	290
2	233	656	600	1,510	950	2,030	5,270	2,180	2,260	1,510	433	288
3	233	615	805	1,360	910	2,280	4,800	2,330	2,000	1,420	422	285
4	239	545	773	1,240	884	1,890	4,110	2,360	1,890	1,320	415	284
5	235	526	1,340	1,150	893	1,830	4,010	2,630	1,910	1,230	417	282
6	238	508	5,130	1,080	943	2,020	4,160	3,050	2,070	1,150	414	280
7	241	1,050	3,050	1,040	944	2,090	3,670	3,310	2,380	1,080	400	277
8	245	965	3,080	1,010	903	1,860	3,140	3,040	2,630	1,040	394	272
9	240	832	3,310	968	868	1,690	2,740	2,670	2,650	971	390	268
10	237	815	3,270	922	836	1,860	2,510	2,400	2,720	927	384	267
11	231	731	2,420	915	810	1,890	2,450	2,440	2,770	856	375	266
12	228	664	1,940	926	791	1,740	2,520	2,610	2,600	812	371	268
13	228	544	1,750	1,200	776	2,520	2,560	2,710	2,780	782	365	272
14	228	433	2,890	1,400	938	3,940	2,380	2,700	2,880	786	357	269
15	227	381	2,360	1,380	4,570	4,970	2,280	2,430	2,830	741	353	268
16	228	359	1,910	1,580	5,410	6,130	2,280	2,100	2,570	705	350	268
17	227	343	1,700	1,920	3,090	4,470	2,710	1,950	2,220	686	344	265
18	227	337	1,770	1,800	2,170	5,860	3,090	1,760	2,180	665	341	259
19	224	341	1,850	1,670	1,830	5,500	3,070	1,660	2,270	686	337	256
20	227	456	2,360	1,540	1,610	6,830	3,220	1,670	2,270	632	329	253
21	225	537	3,880	1,440	1,530	5,770	3,720	1,880	2,270	601	326	250
22	232	496	5,740	1,450	1,410	4,200	3,170	2,220	2,270	578	321	248
23	361	685	3,250	1,380	1,350	3,960	2,900	2,220	2,200	566	319	245
24	1,540	527	2,270	1,310	1,280	7,530	2,890	2,090	1,980	539	315	244
25	581	469	2,560	1,290	1,220	6,790	3,090	2,500	1,820	522	312	248
26	393	440	4,330	1,230	1,140	7,580	2,940	2,280	1,720	510	308	260
27	361	488	3,330	1,190	1,090	5,630	2,720	1,970	1,670	500	302	254
28	505	445	2,860	1,160	1,060	4,430	2,700	1,900	2,240	476	299	250
29	846	424	4,000	1,130	---	3,720	2,470	1,730	2,330	483	297	247
30	747	416	2,670	1,130	---	3,640	2,230	1,640	1,840	460	295	244
31	964	---	2,020	1,050	---	4,280	---	2,250	---	449	292	---
Total	11,405	16,796	79,637	40,081	41,206	120,000	94,800	70,780	68,880	25,303	11,022	7,927
Mean	368	560	2,569	1,293	1,472	3,871	3,160	2,283	2,296	816	356	264
Max	1,540	1,050	5,740	1,920	5,410	7,580	5,270	3,310	2,880	1,620	445	290
Min	224	337	419	915	776	1,070	2,230	1,640	1,670	449	292	244
Ac-ft	22,620	33,310	158,000	79,500	81,730	238,000	188,000	140,400	136,600	50,190	21,860	15,720

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	341	725	1,377	1,891	2,319	2,299	2,067	1,775	878	356	242	234
Max	1,837	6,075	5,770	7,162	9,557	7,957	5,606	4,618	3,741	1,198	462	514
(WY)	(1951)	(1974)	(1997)	(1995)	(1958)	(1983)	(2006)	(2006)	(1998)	(1998)	(1983)	(1957)
Min	150	187	197	214	226	243	264	410	229	145	122	154
(WY)	(1945)	(1992)	(1977)	(1991)	(1977)	(1977)	(1977)	(1977)	(1977)	(1977)	(1977)	(1991)

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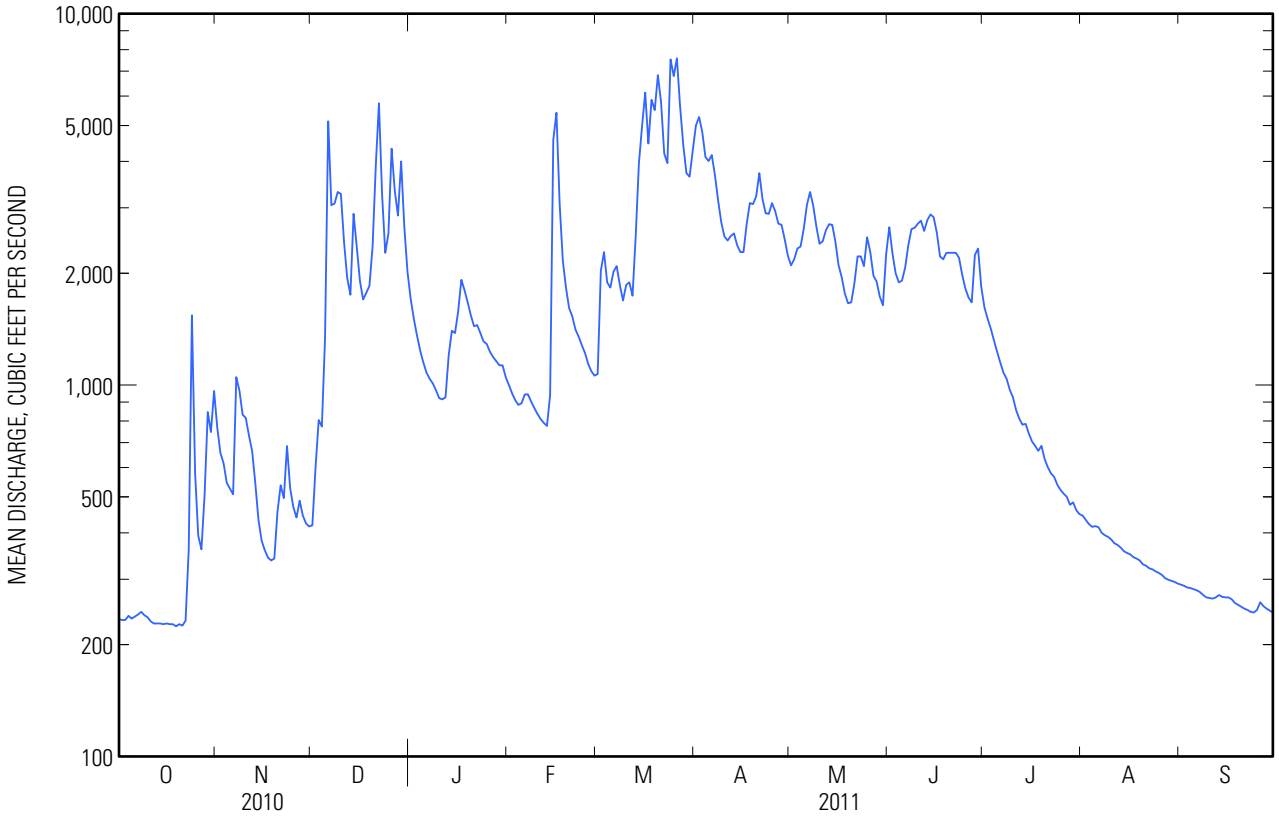
SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 1945 - 2011	
Annual total	636,969		587,837			
Annual mean	1,745		1,611		1,203	
Highest annual mean					2,715	1983
Lowest annual mean					228	1977
Highest daily mean	13,400	Jan 19	7,580	Mar 26	53,900	Jan 16, 1974
Lowest daily mean	224	Oct 19	224	Oct 19	117	Aug 5, 1977
Annual seven-day minimum	226	Oct 15	226	Oct 15	117	Aug 11, 1977
Maximum peak flow			9,290	Mar 24	69,800	Jan 16, 1974
Maximum peak stage			10.62	Mar 24	27.20	Jan 16, 1974
Annual runoff (ac-ft)	1,263,000		1,166,000		871,300	
10 percent exceeds	3,470		3,290		2,730	
50 percent exceeds	1,680		1,200		540	
90 percent exceeds	252		266		202