

Water-Data Report 2009

09423000 COLORADO RIVER BELOW DAVIS DAM, AZ-NV

Lower Colorado Basin
Havasu-Mohave Lake Subbasin

LOCATION.--Lat 35°11'30", long 114°34'17" referenced to North American Datum of 1927, in SE ¼ NE ¼ sec.1, T.32 S., R.66 E., Clark County, NV, Hydrologic Unit 15030101, Mount Diablo meridian, on right bank 0.5 mi downstream from Davis Dam, 29 mi west of Kingman, AZ, and 68 mi downstream from Hoover Dam.

DRAINAGE AREA.--173,300 mi² of which 4,000 mi² probably is noncontributing, Great Divide basin in southern Wyoming is noncontributing.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--June 1905 to Sept. 1907 (published as "at Hardyville"), Mar. 1949 to current year.

REVISED RECORDS.--WDR AZ-86-1:1981.

GAGE.--Water-stage recorder. Datum of gage is 490.00 ft, sea level; gage readings have been reduced to elevations above sea level since Oct. 1, 1967. 1905-1907, nonrecording gage at site 4.8 mi downstream at datum about 3.4 ft lower. Mar. 16 to May 3, 1949, water-stage recorder at site 0.5 mi downstream at datum 10.00 ft higher. May 4, 1949, to Feb. 24, 1956, water-stage recorder at site 400 ft upstream at datum 10.00 ft higher. Feb. 25, 1956, to Sept. 30, 1967, water-stage recorder at present site at datum 10.00 ft higher.

REMARKS.--Record is rated GOOD. Flow regulated by Lake Mead since Feb. 1, 1935, and by Lake Mohave since Jan. 17, 1950. Many diversions upstream for irrigation, industrial, and municipal uses.

EXTREMES FOR PERIOD OF RECORD.--1905-1907: Maximum daily discharge, 116,000 ft³/s June 20, 1906; minimum daily, 2,850 ft³/s Jan. 5, 1906. 1949-2002: Maximum discharge, 46,200 ft³/s July 2, 1983, elevation, 509.48 ft; maximum elevation, 513.91 ft Apr. 22, 1952; no flow at Davis Dam parts of several days July to Sept. 1950 and Dec. 27, 1950, when gates in dam were closed; minimum daily discharge, 285 ft³/s Aug. 3, 1950..

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 28,300 ft³/s, Sept. 29, gage height, 16.22 ft; minimum daily discharge, 5,170 ft³/s, Dec. 3.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	12,200	12,000	5,570	9,940	13,700	18,000	19,700	18,600	16,800	14,700	13,200	13,700
2	11,900	11,200	5,450	9,910	13,400	18,500	19,700	16,300	17,200	15,300	11,900	12,700
3	11,800	9,710	5,170	9,710	12,800	24,900	19,700	16,600	15,800	15,600	14,000	12,700
4	12,000	9,710	6,220	8,770	12,800	16,900	19,700	19,200	13,500	15,900	13,300	13,400
5	11,900	11,900	5,250	8,750	10,500	16,600	19,700	18,000	14,100	15,300	12,500	14,100
6	10,600	12,000	7,020	8,500	9,300	15,500	19,700	16,700	14,500	14,100	12,300	13,800
7	10,900	12,000	7,140	8,710	9,560	15,500	19,600	13,800	14,600	14,100	12,600	14,100
8	10,800	12,100	7,560	8,660	11,200	15,600	20,000	15,600	14,500	14,900	12,900	13,500
9	10,800	12,100	6,910	8,660	10,500	15,600	19,400	17,100	14,200	14,500	14,300	12,700
10	10,400	12,000	6,330	8,640	11,800	16,600	16,700	16,500	13,600	14,600	15,100	10,500
11	9,940	12,400	6,330	9,640	11,600	16,700	14,700	17,800	13,500	14,700	16,000	13,200
12	9,900	12,100	6,730	10,000	9,760	16,700	16,600	17,800	13,700	14,500	16,400	14,600
13	9,970	12,100	8,580	10,400	8,930	16,600	20,300	15,700	14,900	14,500	12,100	13,500
14	10,800	11,700	8,540	10,400	9,280	17,000	22,300	14,500	15,200	14,500	13,300	13,200
15	11,800	11,100	8,540	10,300	9,540	14,500	19,900	12,600	15,300	19,400	12,800	13,200
16	13,000	9,810	7,530	11,500	11,000	17,200	19,400	14,900	15,300	15,000	13,500	13,100
17	12,400	10,600	5,500	13,100	11,400	17,400	19,400	16,700	15,000	15,000	15,000	12,700
18	10,600	11,300	5,500	13,300	13,700	17,700	17,500	16,800	14,100	15,100	15,500	13,400
19	9,330	11,200	6,160	13,600	11,900	18,400	18,300	16,300	13,400	15,200	15,800	13,200
20	11,000	11,500	6,220	11,500	12,000	18,500	19,800	15,600	12,900	15,400	15,700	13,400
21	11,600	11,800	5,550	11,600	12,100	18,600	18,400	15,700	13,400	14,100	13,100	15,000
22	12,000	11,800	5,560	13,900	13,900	18,300	19,400	16,300	14,900	13,200	12,200	15,200
23	12,700	11,700	5,570	14,600	12,900	18,300	23,300	15,200	15,000	14,200	12,000	14,800
24	11,400	11,300	5,560	14,600	14,500	18,000	23,900	16,300	14,900	15,600	12,100	13,600
25	10,800	11,000	6,380	11,100	14,600	18,200	20,300	15,200	13,900	14,900	14,800	13,600
26	10,600	11,200	5,530	12,300	12,600	18,400	18,900	15,200	13,700	14,800	14,900	12,900
27	9,870	10,600	6,350	15,400	14,600	18,800	18,400	16,300	13,600	17,000	14,100	13,800
28	11,500	9,560	5,500	15,400	15,800	18,300	17,700	14,100	13,700	16,500	13,800	14,300
29	11,400	12,500	6,500	14,600	---	18,800	17,200	14,100	13,800	15,500	15,300	14,300
30	10,900	7,660	6,530	14,000	---	17,400	17,600	15,200	14,000	14,000	12,800	11,700
31	11,700	---	8,510	13,700	---	19,600	---	15,600	---	14,100	12,700	---
Total	346,510	337,650	199,790	355,190	335,670	547,100	577,200	496,300	433,000	466,200	426,000	403,900
Mean	11,180	11,260	6,445	11,460	11,990	17,650	19,240	16,010	14,430	15,040	13,740	13,460
Max	13,000	12,500	8,580	15,400	15,800	24,900	23,900	19,200	17,200	19,400	16,400	15,200
Min	9,330	7,660	5,170	8,500	8,930	14,500	14,700	12,600	12,900	13,200	11,900	10,500
Ac-ft	687,300	669,700	396,300	704,500	665,800	1,085,000	1,145,000	984,400	858,900	924,700	845,000	801,100

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1905 - 2009, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	11,170	9,718	9,601	10,050	11,720	15,090	17,600	17,300	20,250	18,960	16,070	13,630
Max	37,170	28,800	26,410	30,390	30,420	28,830	31,720	64,450	95,310	75,280	40,560	39,590
(WY)	(1984)	(1984)	(1985)	(1984)	(1984)	(1984)	(1907)	(1906)	(1906)	(1907)	(1983)	(1983)
Min	5,158	4,201	2,939	2,563	1,758	5,595	10,970	11,850	12,790	13,850	11,820	6,973
(WY)	(1973)	(1983)	(1966)	(1993)	(1993)	(1993)	(1965)	(1951)	(1982)	(1995)	(1905)	(1905)

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SUMMARY STATISTICS

	Calendar Year 2008		Water Year 2009		Water Years 1905 - 2009	
Annual total	4,952,120		4,924,510			
Annual mean	13,530		13,490		14,190	
Highest annual mean					30,870	1984
Lowest annual mean					9,809	1993
Highest daily mean	22,400	Apr 23	24,900	Mar 3	116,000	Jun 20, 1906
Lowest daily mean	5,170	Dec 3	5,170	Dec 3	285	Aug 3, 1950
Annual seven-day minimum	5,720	Dec 17	5,720	Dec 17	1,390	Feb 22, 2005
Annual runoff (ac-ft)	9,823,000		9,768,000		10,280,000	
10 percent exceeds	18,700		18,300		20,400	
50 percent exceeds	13,600		13,700		13,600	
90 percent exceeds	8,540		8,690		6,670	

