

Water-Data Report 2011

09404200 COLORADO RIVER ABOVE DIAMOND CREEK NEAR PEACH SPRINGS, AZ

Lower Colorado-Lake Mead Basin
Grand Canyon Subbasin

LOCATION.--Lat 35°46'25", long 113°21'46" referenced to North American Datum of 1927, in sec.33, T.28 N., R.10 W., Mohave County, AZ, Hydrologic Unit 15010002, in Lake Mead National Recreation Area, on the right bank, 0.6 mi upstream from Diamond Creek, 138 mi downstream from Phantom Ranch, 25 mi north of Peach Springs, 242 mi downstream from Glen Canyon Dam, and 130 mi upstream from Hoover Dam. (unsurveyed).

DRAINAGE AREA.--149,316 mi², of which 4,656 mi² probably is noncontributing, in the Great Divide Basin in southern Wyoming (previously considered part of the Missouri River Basin) and on the Colorado Plateau.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--June 1983 to Dec. 1983, Sept. 1985 to Feb. 1986, Oct. 1989 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1,340 ft above sea level, from topographic map.

REMARKS.--No estimated daily discharge. Records good. Flow regulated since Mar. 13, 1963, by Lake Powell 242 mi upstream. Many diversions above Lake Powell for irrigation, municipal, and industrial use. Several unregulated tributaries below Glen Canyon Dam.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 97,000 ft³/s, June 30, 1983, gage height, unknown; minimum instantaneous, 3,710 ft³/s, Mar. 21, 1990, gage height, 43.89 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge since at least 1868, about 300,000 ft³/s, about July 8, 1884, based on flow studies at Lees Ferry.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 29,500 ft³/s, July 9, gage height, 54.31 ft; minimum daily discharge, 8,730 ft³/s, Oct. 28, 29.

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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	9,510	8,790	15,100	15,000	17,800	17,200	19,400	17,000	23,900	26,000	25,900	20,500
2	9,380	8,760	15,200	14,700	18,400	17,100	19,700	16,800	23,800	25,900	25,700	18,500
3	9,320	14,000	15,000	14,900	18,600	16,900	19,800	15,900	24,300	25,900	25,600	16,600
4	9,680	14,900	14,900	14,900	18,700	17,000	20,100	15,800	24,000	25,700	25,300	16,600
5	9,950	14,900	15,100	15,200	18,900	16,800	20,000	15,700	23,600	21,000	24,700	16,600
6	12,500	15,000	15,000	15,100	19,000	16,900	17,600	15,800	24,000	22,700	25,700	16,700
7	12,000	15,000	14,300	15,200	18,000	16,900	17,500	16,400	23,400	25,800	25,600	16,700
8	12,600	14,400	15,000	15,200	17,900	16,900	17,500	16,400	22,900	26,900	25,500	16,600
9	10,200	13,600	15,000	15,300	19,600	16,900	17,600	16,400	23,000	27,500	25,600	16,600
10	9,200	14,700	15,000	15,600	19,600	17,000	17,500	16,500	23,200	27,200	25,800	16,700
11	8,940	15,000	14,900	17,100	19,500	17,100	17,400	16,500	23,000	26,900	26,000	16,900
12	8,850	15,100	15,000	18,200	19,400	17,000	17,300	16,400	23,100	26,900	26,100	17,100
13	8,870	15,100	14,900	18,400	19,400	17,100	17,000	16,400	23,300	26,000	26,100	17,100
14	8,860	15,100	14,400	18,500	19,200	17,200	16,800	15,900	24,200	25,400	26,100	17,700
15	8,880	14,400	15,000	18,300	19,400	17,100	16,900	17,700	24,200	25,400	26,100	17,300
16	8,890	13,800	15,100	18,300	19,400	17,100	16,900	23,000	23,900	25,300	26,100	18,000
17	8,870	15,100	15,000	17,500	19,300	17,300	16,900	23,100	24,100	25,200	26,100	17,400
18	8,840	15,100	15,100	17,900	19,400	17,400	16,900	23,200	24,300	25,200	26,100	17,800
19	8,810	15,200	15,100	18,400	19,600	17,400	17,100	23,400	24,500	25,200	26,100	18,000
20	8,800	15,000	14,900	18,400	19,900	17,700	17,200	23,800	24,700	24,800	26,100	17,900
21	9,010	15,100	14,600	18,500	19,300	19,900	16,000	23,800	24,800	25,300	26,100	17,300
22	8,970	14,400	15,800	18,400	19,200	19,800	16,700	23,800	24,800	25,500	26,100	17,000
23	8,870	13,800	17,400	18,300	19,300	19,800	17,400	23,800	24,900	25,400	26,100	17,000
24	8,770	15,200	16,200	17,400	17,000	19,900	17,300	24,000	25,100	25,400	26,100	17,000
25	8,810	15,200	16,200	18,000	16,800	19,600	17,400	23,700	25,400	25,500	26,100	16,900
26	8,790	15,200	15,300	18,700	17,000	19,600	17,300	23,900	25,400	25,400	26,100	16,900
27	8,800	13,800	14,500	18,400	17,400	19,600	17,300	23,900	25,400	25,500	26,000	16,900
28	8,730	15,100	14,500	18,400	17,500	19,700	17,200	23,700	25,400	25,500	26,000	16,900
29	8,730	14,300	15,100	18,400	---	19,600	17,100	23,600	25,900	25,500	26,200	16,800
30	8,760	13,800	15,200	18,300	---	19,500	17,000	23,400	26,000	26,000	24,800	16,800
31	8,780	---	15,200	17,600	---	19,500	---	24,000	---	25,800	22,300	---
Total	289,970	428,850	469,000	532,500	524,500	558,500	527,800	623,700	728,500	791,700	798,200	516,800
Mean	9,354	14,300	15,130	17,180	18,730	18,020	17,590	20,120	24,280	25,540	25,750	17,230
Max	12,600	15,200	17,400	18,700	19,900	19,900	20,100	24,000	26,000	27,500	26,200	20,500
Min	8,730	8,760	14,300	14,700	16,800	16,800	16,000	15,700	22,900	21,000	22,300	16,600
Med	8,870	15,000	15,000	18,000	19,200	17,200	17,300	23,000	24,200	25,500	26,100	16,900
Ac-ft	575,200	850,600	930,300	1,056,000	1,040,000	1,108,000	1,047,000	1,237,000	1,445,000	1,570,000	1,583,000	1,025,000

	Calendar Year 2010	Water Year 2011
Total	4,735,510	6,790,020
Mean	12,970	18,600
Max	19,100	27,500
Min	8,730	8,730
Med	13,100	17,400
Ac-ft	9,393,000	13,470,000

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