



Water-Data Report 2007

10262500 Mojave River at Barstow, CA

Mojave River Basin

LOCATION.--Lat 34°54'25", long 117°01'19" referenced to North American Datum of 1927, in SW ¼ SE ¼ sec.31, T.10 N., R.1 W., San Bernardino County, CA, Hydrologic Unit 18090208, on left bank, 75 ft upstream from bridge on 1st Avenue (formerly U.S. Highway 91), at Barstow.

DRAINAGE AREA.--1,290 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1930 to current year.

REVISED RECORDS.--WSP 1564: 1932. WDR CA-76-1: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 2,089.34 ft above NGVD of 1929. Prior to Oct. 31, 2005, at same site at datum 3 ft higher.

REMARKS.--No flow for 2007 Water Year. Flow regulated by Mojave River Forks Reservoir, capacity, 89,700 acre-ft, since 1971, 60 mi upstream; Silverwood Lake, capacity, 74,970 acre-ft, since 1972; and Lake Arrowhead, capacity, 48,000 acre-ft, since 1922. Some water is imported into basin. Diversions and pumping for irrigation of about 15,000 acres upstream from station. Southern California Water Company releases water from Crook Plant Pumping Station into the river 600 ft upstream of the gage at times in some years. See schematic diagram of Mojave River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 64,300 ft³/s, Mar. 3, 1938, gage height, 8.60 ft, at datum then in use, on basis of slope-area measurement of peak flow; no flow for all or most of each year.

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 1970, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	0.00	0.61	5.86	31.3	72.0	127	64.3	7.05	0.00	0.01	0.00	0.01
Max	0.06	20.2	116	747	1,287	1,962	547	93.5	0.00	0.09	0.01	0.24
(WY)	(1959)	(1966)	(1967)	(1969)	(1969)	(1938)	(1941)	(1941)	(1931)	(1958)	(1965)	(1967)
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)	(1931)	(1931)	(1931)	(1931)	(1931)	(1931)	(1931)	(1931)	(1931)	(1931)	(1931)	(1931)

SUMMARY STATISTICS

	Water Years 1931 - 1970	
Annual mean	25.4	
Highest annual mean	202	1969
Lowest annual mean	0.00	1931
Highest daily mean	18,100	Mar 3, 1938
Lowest daily mean	0.00	Oct 1, 1930
Annual seven-day minimum	0.00	Oct 1, 1930
Maximum peak flow	64,300	Mar 3, 1938
Maximum peak stage	8.60	Mar 3, 1938
Annual runoff (ac-ft)	18,400	
10 percent exceeds	0.00	
50 percent exceeds	0.00	
90 percent exceeds	0.00	

10262500 Mojave River at Barstow, CA—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	0.01	0.00	0.02	57.7	118	76.6	7.54	2.60	0.00	0.01	0.05	0.02
Max	0.19	0.07	0.63	1,597	1,640	1,264	140	71.5	0.08	0.34	1.31	0.71
(WY)	(2006)	(1983)	(1972)	(2005)	(1993)	(1983)	(1983)	(1983)	(1972)	(2005)	(1979)	(1984)
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)	(1972)	(1972)	(1973)	(1972)	(1972)	(1972)	(1972)	(1972)	(1973)	(1972)	(1972)	(1972)

SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1972 - 2007	
Annual total	86.00		0.00			
Annual mean	0.24		0.00		21.4	
Highest annual mean					190	1980
Lowest annual mean					0.00	1981
Highest daily mean	35	Apr 6	0.00	Oct 1	16,300	Jan 11, 2005
Lowest daily mean	0.00	Jan 1	0.00	Oct 1	0.00	Oct 1, 1971
Annual seven-day minimum	0.00	Jan 1	0.00	Oct 1	0.00	Oct 1, 1971
Maximum peak flow					20,500	Jan 11, 2005
Maximum peak stage					4.75	Feb 10, 1978
Annual runoff (ac-ft)	171		0.00		15,490	
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	