



1999 California Hydrologic Data Report

10254050 SALT CREEK NEAR MECCA, CA

LOCATION.-Lat 33°26'49", long 115°50'33", in SE 1/4 SW 1/4 sec.28, T.8 S., R.11 E., Riverside County, Hydrologic Unit 18100200, on pier of Southern Pacific railroad bridge, 0.3 mi upstream from mouth, and 16 mi southeast of Mecca.

DRAINAGE AREA.-269 mi².

PERIOD OF RECORD.-January 1961 to current year (since October 1990, low-flow records only).

GAGE.-Water-stage recorder. Elevation of gage is 230 ft below sea level, from topographic map. Prior to Dec. 21, 1984, at same site, at datum 2.50 ft lower.

REMARKS.-Records fair above 1 ft³/s and poor below. No regulation or diversion upstream from station.

No discharge records computed above 20 ft³/s since October 1990. See schematic diagram of Salton Sea Basin.

EXTREMES FOR PERIOD OF RECORD.-Maximum discharge (January 1961 to September 1990), 9,900 ft³/s, Sept. 24, 1976, gage height, 16.8 ft, present datum, from floodmarks, from rating curve extended above 20 ft³/s on basis of contracted-opening measurement of peak flow; maximum gage height, 19.4 ft, present datum, Mar. 2, 1983 (backwater from Salton Sea and channel vegetation); no flow for many days since 1994.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.91	2.0	2.5	2.3	1.9	1.0	.00	.00	.00	.00
2	.00	.00	.96	2.0	2.4	2.4	1.8	1.4	.00	.00	.00	.00
3	.00	.00	1.1	1.9	2.4	2.4	1.9	1.4	.00	.00	.00	.00
4	.00	.00	1.1	1.9	2.5	2.4	2.0	1.2	.00	.00	.00	.00
5	.00	.00	1.2	1.8	2.8	2.4	2.0	1.0	.00	.00	.00	.00
6	.00	.00	1.2	2.0	3.5	2.3	1.9	.89	.00	.00	.00	.00
7	.00	.00	1.3	2.2	3.1	2.2	1.9	.79	.00	.00	.00	.00
8	.00	.00	1.5	2.2	2.9	2.3	1.9	.71	.00	.00	.00	.00
9	.00	.00	1.4	2.2	2.9	2.1	1.9	.63	.00	.00	.00	.00
10	.00	.00	1.4	2.1	2.7	1.9	1.9	.59	.00	.00	.00	.00
11	.00	.00	1.3	2.2	2.6	2.1	1.8	.55	.00	.00	.00	.00
12	.00	.00	1.2	2.3	2.3	2.1	1.8	.52	.00	.00	.00	.00
13	.00	.00	1.4	2.3	2.2	2.0	1.8	.47	.00	.00	.00	.00
14	.00	.00	1.6	2.3	2.4	1.9	1.9	.37	.00	.00	.00	.00
15	.00	.00	1.8	2.3	2.6	2.0	1.8	.27	.00	.00	.00	.00
16	.00	.00	1.8	2.3	2.6	2.2	1.6	.19	.00	.00	.00	.00
17	.00	.00	1.6	2.4	2.5	2.1	1.4	.06	.00	.00	.00	.00
18	.00	.08	1.4	2.4	2.6	1.9	1.2	.00	.00	.00	.00	.00
19	.00	.13	1.5	2.4	2.6	2.0	1.1	.00	.00	.00	.00	.00
20	.00	.17	1.7	2.4	2.7	2.0	1.1	.00	.00	.00	.00	.00
21	.00	.21	1.8	2.6	2.6	2.0	1.0	.00	.00	.00	.00	.00
22	.00	.25	1.7	2.4	2.4	2.1	.96	.00	.00	.00	.00	.00
23	.00	.33	1.6	2.3	2.4	2.0	.90	.00	.00	.00	.00	.00
24	.00	.42	1.7	2.3	2.2	2.0	.88	.00	.00	.00	.00	.00
25	.00	.50	1.7	2.5	2.3	1.8	.86	.00	.00	.00	.00	.00
26	.00	.55	1.8	2.6	2.4	1.8	.91	.00	.00	.00	.00	.00
27	.00	.64	2.0	2.6	2.4	1.9	.90	.00	.00	.00	.00	.00
28	.00	.71	2.0	2.5	2.3	1.9	.88	.00	.00	.00	.00	.00
29	.00	.82	2.1	2.6	---	1.9	.85	.00	.00	.00	.00	.00
30	.00	.85	2.1	2.5	---	2.1	.86	.00	.00	.00	.00	.00
31	.00	---	2.2	2.4	---	2.0	---	.00	---	.00	.00	---
TOTAL	0.00	5.66	48.07	70.9	71.8	64.5	43.60	12.04	0.00	0.00	0.00	0.00
MEAN	.000	.19	1.55	2.29	2.56	2.08	1.45	.39	.000	.000	.000	.00
MAX	.00	.85	2.2	2.6	3.5	2.4	2.0	1.4	.00	.00	.00	.00
MIN	.00	.00	.91	1.8	2.2	1.8	.85	.00	.00	.00	.00	.00
AC-FT	.00	11	95	141	142	128	86	24	.00	.00	.00	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 1990, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	5.61	7.45	8.05	9.86	11.6	13.5	5.56	3.86	2.85	3.40	5.05	7.02
MAX	12.6	22.1	14.8	18.8	45.5	137	11.9	12.7	7.50	21.0	55.6	76.5
(WY)	1964	1981	1966	1977	1980	1983	1980	1980	1975	1986	1983	1970
MIN	1.55	1.05	1.59	4.13	4.26	3.79	2.37	1.49	.86	.41	.70	.59

(WY)	1990	1979	1979	1990	1990	1990	1986	1986	1989	1989	1989	1988
SUMMARY STATISTICS				WATER YEARS 1962 - 1990								
ANNUAL MEAN				6.97								
HIGHEST ANNUAL MEAN				23.7								
LOWEST ANNUAL MEAN				2.57						1989		
HIGHEST DAILY MEAN				2830			Mar	2	1983			
LOWEST DAILY MEAN				.06			Nov	1	1978			
ANNUAL SEVEN-DAY MINIMUM				.07			Oct	30	1978			
INSTANTANEOUS PEAK FLOW				9900			Sep	24	1976			
INSTANTANEOUS PEAK STAGE				19.40			Mar	2	1983			
ANNUAL RUNOFF (AC-FT)				5050								
10 PERCENT EXCEEDS				10								
50 PERCENT EXCEEDS				4.6								
90 PERCENT EXCEEDS				1.3								

[Back to 1999 California Hydrologic Data Report Index](#)

[USGS Water Resources of California](#)

[USGS Headquarters](#) | [Biology](#) | [Geology](#) | [Mapping](#) | [Water](#)

Contact: webmaster@maildcscr.wr.usgs.gov

Last modified: [Wed Jun 14 11:27:13 PDT 2000](#)