



## 1999 California Hydrologic Data Report

### 10259540 WHITEWATER RIVER NEAR MECCA, CA

LOCATION.-Lat 33°31'29", long 116°04'36", in NW 1/4 NW 1/4 sec.32, T.7 S., R.9 E., Riverside County, Hydrologic Unit 18100200, on left bank, 1.6 mi upstream from mouth at Salton Sea, and 3.3 mi south of Mecca.

DRAINAGE AREA.-1,495 mi<sup>2</sup>.

PERIOD OF RECORD.-October 1960 to current year (since October 1992, low-flow records only).

GAGE.-Water-stage recorder. Datum of gage is 221.00 ft below sea level (levels by Coachella Valley Water District). Oct. 1, 1960, to Mar. 22, 1967, at site 1.3 mi downstream and Mar. 23, 1967, to July 22, 1970, at site 0.7 mi downstream at different datums.

REMARKS.-Records poor. Most flow represents seepage and return flow from irrigated areas. No discharge record computed above 200 ft<sup>3</sup>/s since October 1992. See schematic diagram of Salton Sea Basin.

EXTREMES FOR PERIOD OF RECORD.-Maximum daily discharge, 2,500 ft<sup>3</sup>/s (estimated), Jan. 25, 1969;

minimum daily, 37 ft<sup>3</sup>/s,

Nov. 25-29, 1960.

#### 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	71	53	85	79	77	86	87	78	59	72	71	71
2	64	114	84	73	77	78	95	87	58	78	69	83
3	65	63	81	70	83	82	88	67	65	72	67	88
4	65	51	77	67	85	86	83	71	63	69	69	78
5	74	53	74	67	93	72	72	80	65	71	71	88
6	78	55	79	49	99	71	74	76	63	73	72	90
7	76	48	70	52	100	76	67	86	83	62	77	74
8	91	50	63	61	95	79	64	81	83	80	101	58
9	75	64	61	43	94	90	72	74	79	94	104	57
10	83	58	48	70	75	90	70	71	96	91	90	51
11	87	71	51	76	61	86	78	83	83	90	83	66
12	91	63	61	80	82	76	70	83	77	88	74	64
13	76	68	64	77	85	70	79	71	78	84	71	64
14	72	80	78	71	94	77	90	65	78	90	77	70
15	71	88	88	74	80	82	65	66	76	79	69	69
16	73	88	91	76	60	85	62	72	94	78	63	85
17	63	76	78	75	50	97	65	69	98	80	59	75
18	70	72	84	70	63	80	67	62	95	82	54	66
19	73	77	87	69	63	72	69	60	92	85	57	67
20	83	65	90	63	59	70	68	68	102	78	62	67
21	80	65	69	65	63	75	65	78	84	69	61	62
22	72	73	72	57	80	66	63	69	78	67	66	57
23	79	88	86	61	86	68	64	71	80	68	65	80
24	89	81	91	67	83	72	80	65	80	74	75	80
25	83	79	79	65	78	71	80	51	76	104	69	67
26	72	93	78	62	87	82	66	64	71	79	85	72
27	72	83	76	65	75	96	66	58	71	85	87	67
28	71	86	77	69	72	102	68	54	63	92	98	59
29	64	85	77	88	---	90	78	56	68	96	81	51
30	63	88	80	84	---	75	63	78	62	88	86	51
31	52	---	80	84	---	71	---	69	---	79	70	---
TOTAL	2298	2178	2359	2129	2199	2473	2178	2183	2320	2497	2303	2073
MEAN	74.1	72.6	76.1	68.7	78.5	79.8	72.6	70.4	77.3	80.5	74.3	69.1
MAX	91	114	91	88	100	102	95	87	102	104	104	90
MIN	52	48	48	43	50	66	62	51	58	62	54	51
AC-FT	4560	4320	4680	4220	4360	4910	4320	4330	4600	4950	4570	4110

#### STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	99.9	94.9	95.0	107	125	124	119	118	107	107	120	115
MAX	147	149	141	236	396	222	172	173	145	198	183	220
(WY)	1976	1966	1983	1969	1980	1978	1976	1976	1975	1979	1983	1976
MIN	53.9	44.4	45.4	51.4	56.6	71.8	77.9	80.7	66.9	57.4	80.3	74.1
(WY)	1961	1961	1961	1961	1961	1961	1961	1992	1987	1987	1992	1992

## SUMMARY STATISTICS

WATER YEARS 1961 - 1992

ANNUAL MEAN	111	
HIGHEST ANNUAL MEAN	156	1976
LOWEST ANNUAL MEAN	68.4	1961
HIGHEST DAILY MEAN	2500	Jan 25 1969
LOWEST DAILY MEAN	37	Nov 25 1960
ANNUAL SEVEN-DAY MINIMUM	37	Nov 24 1960
ANNUAL RUNOFF (AC-FT)	80380	
10 PERCENT EXCEEDS	140	
50 PERCENT EXCEEDS	108	
90 PERCENT EXCEEDS	76	

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