



Water-Data Report 2010

## 10259300 Whitewater River at Indio, CA

Salton Sea Basin

LOCATION.--Lat 33°44'14", long 116°14'07" referenced to North American Datum of 1927, in SE ¼ NE ¼ sec.15, T.5 S., R.7 E., Riverside County, CA, Hydrologic Unit 18100200, on right bank of concrete drop structure, 1,000 ft upstream from Monroe Street Bridge, and 1.7 mi northwest of Indio.

DRAINAGE AREA.--1,073 mi<sup>2</sup>.

### SURFACE-WATER RECORDS

PERIOD OF RECORD.--March 1966 to current year.

REVISED RECORDS.--WDR CA-72-1: 1971.

GAGE.--Water-stage recorder and crest-stage gage. Concrete control since Oct. 1, 1979. Elevation of gage is NGVD of 1929, from topographic map. Prior to Oct. 1, 1979, water-stage recorder at site 0.5 mi upstream at different datum. Oct. 1, 1979, to Feb. 17, 1983, and Feb. 18, 1983, to Nov. 18, 1991, at same site at different datums.

REMARKS.--Records fair except for estimated daily discharges and flows above 400 ft<sup>3</sup>/s, which are poor. No regulation upstream from station. Water diverted from tributary streams for municipal supply in vicinity of Palm Springs. Water from the Colorado River Basin is imported for ground-water recharge and irrigation. See schematic diagram of Salton Sea Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,400 ft<sup>3</sup>/s, Jan. 25, 1969, gage height, 14.41 ft, site and datum then in use, from rating curve extended above 1,300 ft<sup>3</sup>/s on basis of slope-area measurement at gage height 15.3 ft for flood of Nov. 22, 1965; no flow for all or most of each year.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 2 or 3, 1938, reached a discharge of 29,000 ft<sup>3</sup>/s, on basis of slope-area measurement, at site 5.0 mi upstream. Flood of Nov. 22, 1965, reached a stage of 15.3 ft, from floodmark, at site and datum used prior to Oct. 1, 1979, discharge, 14,100 ft<sup>3</sup>/s, on basis of slope-area measurement of peak flow.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 200 ft<sup>3</sup>/s and (or) maximum (\*), from curve extended above 6,520 ft<sup>3</sup>/s, on basis of critical depth computations:

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Jan 21	1915	*5,510	*9.86

## 10259300 Whitewater River at Indio, CA—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	8.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	9.2	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	3.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	2.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	459	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	e142	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	e4.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
<b>Total</b>	0.00	0.00	13.46	650.50	9.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Mean</b>	0.00	0.00	0.43	21.0	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Max</b>	0.00	0.00	9.2	459	8.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Min</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Ac-ft</b>	0.00	0.00	27	1,290	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2010, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	0.10	0.17	2.23	22.0	10.6	3.64	0.02	0.01	0.01	0.87	0.89	1.98
<b>Max</b>	3.98	4.67	61.3	513	278	56.2	0.31	0.35	0.19	32.1	29.4	86.2
<b>(WY)</b>	(2006)	(2005)	(1967)	(1993)	(1980)	(1978)	(2006)	(1972)	(1968)	(1979)	(1983)	(1976)
<b>Min</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>(WY)</b>	(1967)	(1967)	(1968)	(1967)	(1967)	(1966)	(1966)	(1966)	(1966)	(1967)	(1966)	(1966)

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SUMMARY STATISTICS

	Calendar Year 2009		Water Year 2010		Water Years 1966 - 2010	
<b>Annual total</b>	13.46		673.79			
<b>Annual mean</b>	0.04		1.85		3.53	
<b>Highest annual mean</b>					47.4	1993
<b>Lowest annual mean</b>					0.00	1973
<b>Highest daily mean</b>	9.2	Dec 8	459	Jan 21	5,000	Jan 16, 1993
<b>Lowest daily mean</b>	0.00	Jan 1	0.00	Oct 1	0.00	Mar 1, 1966
<b>Annual seven-day minimum</b>	0.00	Jan 1	0.00	Oct 1	0.00	Mar 1, 1966
<b>Maximum peak flow</b>			5,510	Jan 21	11,400	Jan 25, 1969
<b>Maximum peak stage</b>			9.86	Jan 21	14.41	Jan 25, 1969
<b>Annual runoff (ac-ft)</b>	27		1,340		2,560	
<b>10 percent exceeds</b>	0.00		0.00		0.00	
<b>50 percent exceeds</b>	0.00		0.00		0.00	
<b>90 percent exceeds</b>	0.00		0.00		0.00	

