

10256000 Whitewater River at White Water, CA

Salton Sea Basin

LOCATION.--Lat 33°56'48", long 116°38'24" referenced to North American Datum of 1927, in NW ¼ NE ¼ sec.2, T.3 S., R.3 E., Riverside County, CA, Hydrologic Unit 18100200, 1.5 mi north of White Water, and 3.5 mi upstream from San Gorgonio River.

DRAINAGE AREA.--57.5 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1948 to September 1979 (daily), water years 1980-81 (partial records), October 2011 to current year (discharge measurements only).

EXTREMES FOR PERIOD OF RECORD.--River only: Maximum discharge, 24,000 ft³/s, Nov. 22, 1965, gage height, 13.60 ft, from rating curve extended above 660 ft³/s on basis of field estimate of maximum flow; no flow at times in some years.

EXTREMES OUTSIDE PERIOD OF RECORD.--River only: Maximum discharge, 42,000 ft³/s, Mar. 2, 1938, by slope-area measurement of peak flow, at site 2.5 mi upstream.

**DISCHARGE MEASUREMENTS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

Date	Discharge, in ft³/s
Oct 16, 2012	14.2
Nov 8, 2012	12.2
Dec 6, 2012	14.4
Jan 9, 2013	14.6
Feb 4, 2013	13.0
Mar 4, 2013	13.4
Apr 2, 2013	11.7
May 6, 2013	6.93
Jun 5, 2013	5.56
Jul 2, 2013	3.82
Aug 6, 2013	7.56
Sep 6, 2013	7.81

10256000 Whitewater River at White Water, CA—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--

CHEMICAL DATA: Water years 1967-1969, 1975-79, 1981, 1997 to current year.

SEDIMENT DATA: Water Year 1972

REMARKS.--Chemical-quality records for water years 1975-1981 were furnished by California Department of Water Resources.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 1 of 4

[CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; SiO₂, silicon dioxide; ft³/s, cubic feet per second; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Sample date-time	Discharge, instantaneous, ft ³ /s (00061)	pH, water, unfiltered, field, standard units (00400)	Specific conductance, water, unfiltered, µS/cm at 25°C (00095)	Temperature, water, °C (00010)	Dissolved solids dried at 180°C, water, filtered, mg/L (70300)	Dissolved solids, water, filtered, sum of constituents, mg/L (70301)	Dissolved solids, water, filtered, tons per acre-foot (70303)	Hardness, water, mg/L as CaCO ₃ (00900)	Non-carbonate hardness, water, filtered, mg/L as CaCO ₃ (00904)
04-02-2013 0830	12	8.4	370	12.4	242	221	0.33	170	12

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 2 of 4

[CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; SiO₂, silicon dioxide; ft³/s, cubic feet per second; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Sample date-time	Noncarbonate hardness, water, filtered, lab, milligrams per liter as calcium carbonate (00905)	Calcium, water, filtered, mg/L (00915)	Magnesium, water, filtered, mg/L (00925)	Potassium, water, filtered, mg/L (00935)	Sodium adsorption ratio, water, number (00931)	Sodium fraction of cations, water, percent in equivalents of major cations (00932)	Sodium, water, filtered, mg/L (00930)	Alkalinity, water, filtered, inflection-point, incremental titration method, field, mg/L as CaCO ₃ (39086)	Bicarbonate, water, filtered, inflection-point, incremental titration method, field, mg/L (00453)
04-02-2013 0830	5	47.6	12.4	4.00	0.39	13	11.7	158	189

10256000 Whitewater River at White Water, CA—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 3 of 4

[CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; SiO₂, silicon dioxide; ft³/s, cubic feet per second; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Sample date-time	Bromide, water, filtered, mg/L (71870)	Carbonate, water, filtered, inflection- point	Chloride, water, filtered, mg/L (00940)	Fluoride, water, filtered, mg/L (00950)	Silica, water, filtered, mg/L as SiO ₂ (00955)	Sulfate, water, filtered, mg/L (00945)	Ammonia plus organic nitrogen, water, filtered, mg/L as N (00623)	Ammonia, water, filtered, mg/L as N (00608)	Nitrate plus nitrite, water, filtered, mg/L as N (00631)
		incremental titration method, field, mg/L (00452)					Ammonia plus organic nitrogen, water, filtered, mg/L as N (00623)		
04-02-2013 0830	< .010	1.8	2.37	0.81	15.8	29.7	0.09	< .010	0.397

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 4 of 4

[CaCO₃, calcium carbonate; N, nitrogen; P, phosphorus; SiO₂, silicon dioxide; ft³/s, cubic feet per second; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Sample date-time	Nitrite, water, filtered, mg/L as N (00613)	Orthophos- phate, water, filtered, mg/L as P (00671)	Phos- phorus, water, filtered, mg/L as P (00666)	Iron, water, filtered, µg/L (01046)	Manga- nese, water, filtered, µg/L (01056)	Arsenic, water, filtered, µg/L (01000)	Boron, water, filtered, µg/L (01020)	Organic carbon, water, unfiltered, mg/L (00680)
		04-02-2013 0830	0.001	0.004	< .02	7.6	1.95	0.17