

Water-Data Report 2013

364619120144701 San Joaquin River 1.3 miles west of Napa Avenue, near Mendota, CA

San Joaquin River Basin

LOCATION.--Lat 36°46'19", long 120°14'47" referenced to North American Datum of 1983, in SW ¼ NE ¼ sec.29, T.13 S., R.16 E., Madera County, CA, Hydrologic Unit 18040001, on right bank, 1.3 mi west of Napa Avenue, 2.6 mi north of Whites Bridge Road (Highway 180), and 7.5 mi northeast of Mendota.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 2012 to current year.

REMARKS.--Sample and flow data collected for the San Joaquin River Restoration Project. Instantaneous discharges are from USGS flow measurements made concurrently with samples.

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT

WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

[ft³/s, cubic feet per second; mg/L, milligrams per liter; mm, millimeters;
°C, degrees Celsius; A, average]

Sample date-time	Discharge, instantaneous, ft³/s (00061)	Temperature, water, °C (00010)	Suspended sediment concentration, mg/L (80154)	Suspended sediment discharge, tons per day (80155)	Suspended sediment, sieve diameter, percent smaller than 0.0625 mm (70331)
05-06-2013 1440	340	21.9	11	10	94
05-06-2013 1441	340	21.9	A 12	A 11	A 92
05-06-2013 1442	340	21.9	12	11	90

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL

WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 1 of 2

[ft³/s, cubic feet per second; mm, millimeters; °C, degrees Celsius; --, no data; <, less than]

Sample date-time	Number of sampling points, count (00063)	Discharge, instantaneous, ft³/s (00061)	Temperature, water, °C (00010)	Bed sediment, dry sieved, sieve diameter, percent smaller than 0.0625 mm (80164)	Bed sediment, dry sieved, sieve diameter, percent smaller than 0.125 mm (80165)	Bed sediment, dry sieved, sieve diameter, percent smaller than 0.25 mm (80166)	Bed sediment, dry sieved, sieve diameter, percent smaller than 0.5 mm (80167)	Bed sediment, dry sieved, sieve diameter, percent smaller than 1 mm (80168)	Bed sediment, dry sieved, sieve diameter, percent smaller than 2 mm (80169)
05-06-2013 1615	1	340	21.9	< 1	< 1	3	26	57	89
05-06-2013 1617	1	340	21.9	< 1	< 1	3	40	80	98
05-06-2013 1619	1	340	21.9	< 1	< 1	1	22	67	96
05-06-2013 1621	1	340	21.9	< 1	< 1	1	13	40	88
05-06-2013 1623	1	340	21.9	< 1	< 1	< 1	24	92	100

364619120144701 San Joaquin River 1.3 miles west of Napa Avenue, near Mendota, CA—Continued

**PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

Part 2 of 2

[ft³/s, cubic feet per second; mm, millimeters; °C, degrees Celsius; --,
no data; <, less than]

Sample date-time	Bed sediment, dry sieved, sieve diameter, percent smaller than 4
	mm (80170)
05-06-2013 1615	100
05-06-2013 1617	100
05-06-2013 1619	100
05-06-2013 1621	100
05-06-2013 1623	--