

Water-Data Report 2013

11253115 San Joaquin River below Chowchilla Canal Intake, near Mendota, CA

San Joaquin River Basin

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 2010 to current year.

SEDIMENT DATA: March 2010 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, ft ³ /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)
05-07-2013 1230	267	18.0	11	7.9	92
05-07-2013 1231	267	18.0	A 11	A 7.9	A 93
05-07-2013 1232	267	18.0	11	7.9	93

PARTICLE-SIZE DISTRIBUTION OF 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]

Sample date-time	Number of sampling points, count (00063)	Discharge, instantaneous, ft ³ /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)
05-07-2013 1254	1	267	18.0	1	3	6	18	48	84
05-07-2013 1256	1	267	18.0	1	4	8	30	65	89
05-07-2013 1258	1	267	18.0	1	3	10	42	77	93
05-07-2013 1300	1	267	18.0	1	4	17	60	81	93
05-07-2013 1302	1	267	18.0	3	10	30	81	93	96

11253115 San Joaquin River below Chowchilla Canal Intake, near Mendota, CA—Continued

PARTICLE-SIZE DISTRIBUTION OF 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]

Sample date-time	Bed sediment, dry sieved, sieve diameter, percent smaller than 4 mm (80170)	Bed sediment, dry sieved, sieve diameter, percent smaller than 8 mm (80171)	Bed sediment, dry sieved, sieve diameter, percent smaller than 16 mm (80172)
05-07-2013 1254	97	99	100
05-07-2013 1256	97	100	--
05-07-2013 1258	99	100	--
05-07-2013 1300	99	100	--
05-07-2013 1302	99	100	--

PARTICLE-SIZE DISTRIBUTION OF BEDLOAD
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

[ft, feet; ft³/s, cubic feet per second; °C, degrees Celsius; --, no data]

Sample date-time	Sampling method (82398)	Sampler type (84164)	Number of sampling points, count (00063)	Location in cross section, distance from left bank looking down-stream, ft (00009)	Stream width, ft (00004)	Discharge, instantaneous, ft ³ /s (00061)	Temperature, water, °C (00010)
05-07-2013 1230	Multi Verticals EWT	Sampler US DH-48	10	9.50	105	267	18.0
05-07-2013 1231	Multi Verticals EWT	Sampler US DH-48	10	--	105	267	18.0
05-07-2013 1232	Multi Verticals EWT	Sampler US DH-48	10	9.50	105	267	18.0
05-07-2013 1254	Point sample	Sampler US RBM-80	1	30.0	105	267	18.0
05-07-2013 1256	Point sample	Sampler US RBM-80	1	52.0	105	267	18.0
05-07-2013 1258	Point sample	Sampler US RBM-80	1	67.0	105	267	18.0
05-07-2013 1300	Point sample	Sampler US RBM-80	1	80.0	105	267	18.0
05-07-2013 1302	Point sample	Sampler US RBM-80	1	95.0	105	267	18.0