[Water-Data Report 2013](http://wdr.water.usgs.gov/)

[11252975 San Joaquin River at Skaggs Bridge, near Ripperdan, CA](http://waterdata.usgs.gov/nwis/nwisman/?site_no=11252975)

San Joaquin River Basin

LOCATION.--Lat 36°49′19″, long 120°03′34″ referenced to North American Datum of 1983, in NW ¼ NW ¼ sec.7, T.13 S., R.18 E., Fresno County, CA, Hydrologic Unit 18040001, on left bank, 420 ft downstream of Madera Avenue (Highway 145 Bridge), at Skaggs Bridge Park, and 1.9 mi south of Ripperdan.

DRAINAGE AREA.--1,809 mi².

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, 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) |
| --- | --- | --- | --- | --- | --- |
| 05-07-2013 1026 | 268 | 19.2 | 7 | 5.1 | 79 |
| 05-07-2013 1027 | 268 | 19.2 | 7 | 5.1 | 95 |
| 05-07-2013 1029 | 268 | 19.2 | 6 | 4.3 | 96 |
| 05-07-2013 1030 | 268 | 19.2 | A 7 | A 5.1 | A 92 |
| 05-07-2013 1031 | 268 | 19.2 | 7 | 5.1 | 95 |
| 05-07-2013 1033 | 268 | 19.2 | 8 | 5.8 | 95 |
| 05-07-2013 1036 | 268 | 19.2 | A 6 | A 4.3 | A 92 |
| 05-07-2013 1037 | 268 | 19.2 | 6 | 4.3 | 88 |
| 05-07-2013 1042 | 268 | 19.2 | 6 | 4.3 | 92 |
| 05-07-2013 1043 | 268 | 19.2 | A 6 | A 4.3 | A 91 |
| 05-07-2013 1045 | 268 | 19.2 | 4 | 2.9 | 90 |
| 05-07-2013 1046 | 268 | 19.2 | 6 | 4.3 | 94 |
| 05-07-2013 1048 | 268 | 19.2 | 5 | 3.6 | 93 |

| 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; <, 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) |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 05-07-2013 1101 | 1 | 268 | 19.3 | < 1 | 1 | 6 | 15 | 27 | 36 |
| 05-07-2013 1104 | 1 | 268 | 19.3 | < 1 | < 1 | 4 | 12 | 19 | 25 |
| 05-07-2013 1107 | 1 | 268 | 19.3 | < 1 | 1 | 6 | 17 | 27 | 37 |
| 05-07-2013 1110 | 1 | 268 | 19.3 | < 1 | < 1 | 5 | 11 | 17 | 24 |
| 05-07-2013 1113 | 1 | 268 | 19.3 | < 1 | 1 | 7 | 13 | 23 | 35 |

| 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; <, less than] |

| 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) | Bed sediment, dry sieved, sieve diameter, percent smaller than 32 mm (80173) |
| --- | --- | --- | --- | --- |
| 05-07-2013 1101 | 43 | 56 | 85 | 100 |
| 05-07-2013 1104 | 34 | 46 | 62 | 100 |
| 05-07-2013 1107 | 49 | 62 | 72 | 100 |
| 05-07-2013 1110 | 32 | 43 | 64 | 100 |
| 05-07-2013 1113 | 43 | 52 | 71 | 100 |

| PARTICLE-SIZE DISTRIBUTION OF BEDLOAD WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013 |
| --- |
| Part 1 of 3 [ft, feet; ft³/s, cubic feet per second; mm, millimeters; °C, degrees Celsius; --, no data; <, less than; A, average] |

| Sample date-time | Sampling method (82398) | Sampler type (84164) | Bag mesh size, bedload sampler, mm (30333) | Tether line used for collecting sample (yes=1) (04117) | Starting time, 24 hour clock, hour-minute (hhmm) (82073) | Ending time, 24 hour clock, hour-minute (hhmm) (82074) | Rest time on bed for bed load sample, seconds (04120) | Horizontal width of vertical, feet (04121) |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 05-07-2013 1132 | Bedload (SEWI) | BL-3X3 BL-84, Cable | 0.250 | No | 1132 | 1224 | 120 | 4.5 |
| 05-07-2013 1230 | Bedload (SEWI) | BL-3X3 BL-84, Cable | .250 | No | 1230 | 1320 | 120 | 4.5 |

| PARTICLE-SIZE DISTRIBUTION OF BEDLOAD WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013 |
| --- |
| Part 2 of 3 [ft, feet; ft³/s, cubic feet per second; mm, millimeters; °C, degrees Celsius; --, no data; <, less than; A, average] |

| Sample date-time | Compos­ited samples in cross-sectional bedload measure­ment, number (04118) | Verticals in composite sample, number (04119) | Number of sampling points, count (00063) | Location in cross section, distance from left bank looking down­stream, ft (00009) | Stream width, ft (00004) | Discharge, instanta­neous, ft³/s (00061) | Tempera­ture, water, °C (00010) | Bedload sediment discharge, daily average, per unit width of river, composite samples, tons per day per foot of width (04122) | Bedload sediment discharge, tons per day (80225) |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 05-07-2013 1132 | 2 | 20 | 20 | 2.30 | 90.0 | 268 | 19.8 | < .01 | A .21 |
| 05-07-2013 1230 | 2 | 20 | 20 | 2.30 | 90.0 | 268 | 20.0 | < .01 | A .21 |

| PARTICLE-SIZE DISTRIBUTION OF BEDLOAD WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013 |
| --- |
| Part 3 of 3 [ft, feet; ft³/s, cubic feet per second; mm, millimeters; °C, degrees Celsius; --, no data; <, less than; A, average] |

| Sample date-time | Bedload sediment, sieve diameter, percent smaller than 0.0625 mm (80226) | Bedload sediment, sieve diameter, percent smaller than 0.125 mm (80227) | Bedload sediment, sieve diameter, percent smaller than 0.25 mm (80228) | Bedload sediment, sieve diameter, percent smaller than 0.5 mm (80229) | Bedload sediment, sieve diameter, percent smaller than 1 mm (80230) | Bedload sediment, sieve diameter, percent smaller than 2 mm (80231) | Bedload sediment, sieve diameter, percent smaller than 4 mm (80232) | Bedload sediment, sieve diameter, percent smaller than 8 mm (80233) |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 05-07-2013 1132 | < 1 | < 1 | 2 | 47 | 78 | 93 | 99 | 100 |
| 05-07-2013 1230 | < 1 | 2 | 4 | 55 | 86 | 98 | 100 | -- |