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

[11253058 San Joaquin River at Gravelly Ford Canal, near Kerman, CA](http://waterdata.usgs.gov/nwis/nwisman/?site_no=11253058)

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, 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) |
| --- | --- | --- | --- | --- | --- |
| 05-08-2013 1015 | 207 | 19.2 | 12 | 6.7 | 100 |
| 05-08-2013 1016 | 207 | 19.2 | 12 | 6.7 | 86 |
| 05-08-2013 1019 | 207 | 19.2 | A 11 | A 6.1 | A 91 |
| 05-08-2013 1020 | 207 | 19.2 | 10 | 5.6 | 91 |
| 05-08-2013 1021 | 207 | 19.2 | 11 | 6.1 | 86 |
| 05-08-2013 1022 | 207 | 19.2 | A 11 | A 6.1 | A 90 |
| 05-08-2013 1023 | 207 | 19.2 | 12 | 6.7 | 83 |
| 05-08-2013 1024 | 207 | 19.2 | 12 | 6.7 | 88 |
| 05-08-2013 1025 | 207 | 19.2 | 10 | 5.6 | 100 |
| 05-08-2013 1026 | 207 | 19.2 | A 11 | A 6.1 | A 89 |
| 05-08-2013 1027 | 207 | 19.2 | 12 | 6.7 | 83 |
| 05-08-2013 1028 | 207 | 19.2 | 10 | 5.6 | 95 |

| 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; <, 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) |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 05-08-2013 1037 | 1 | 207 | 19.3 | < 1 | < 1 | 3 | 10 | 16 | 27 |
| 05-08-2013 1039 | 1 | 207 | 19.3 | < 1 | < 1 | 3 | 13 | 21 | 29 |
| 05-08-2013 1041 | 1 | 207 | 19.3 | < 1 | < 1 | 2 | 10 | 21 | 31 |
| 05-08-2013 1043 | 1 | 207 | 19.3 | < 1 | < 1 | 1 | 4 | 11 | 18 |
| 05-08-2013 1045 | 1 | 207 | 19.3 | < 1 | < 1 | 1 | 7 | 12 | 20 |

| 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; <, 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) |
| --- | --- | --- | --- | --- |
| 05-08-2013 1037 | 37 | 52 | 79 | 100 |
| 05-08-2013 1039 | 37 | 51 | 89 | 100 |
| 05-08-2013 1041 | 39 | 52 | 84 | 100 |
| 05-08-2013 1043 | 24 | 35 | 52 | 100 |
| 05-08-2013 1045 | 28 | 37 | 65 | 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; <, 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) |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 05-08-2013 1049 | Bedload (SEWI) | BL-3X3 BL-84, Cable | 0.250 | No | 1049 | 1131 | 120 | 3.6 |
| 05-08-2013 1135 | Bedload (SEWI) | BL-3X3 BL-84, Cable | .250 | No | 1135 | 1221 | 120 | 3.6 |

| 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; <, 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) |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 05-08-2013 1049 | 2 | 20 | 20 | 1.80 | 72.0 | 207 | 19.7 | < .01 | A .06 |
| 05-08-2013 1135 | 2 | 20 | 20 | 1.80 | 72.0 | 207 | 20.0 | < .01 | A .06 |

| 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; <, 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) |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 05-08-2013 1049 | < 1 | 3 | 5 | 46 | 78 | 95 | 100 |
| 05-08-2013 1135 | < 1 | 2 | 3 | 48 | 95 | 98 | 100 |