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

[11252275 San Joaquin River below Highway 41, near Pinedale, CA](http://waterdata.usgs.gov/nwis/nwisman/?site_no=11252275)

San Joaquin River Basin

LOCATION.--Lat 36°52′35″, long 119°47′35″ referenced to North American Datum of 1983, in SE ¼ NW ¼ sec.21, T.12 S., R.20 E., Madera County, CA, Hydrologic Unit 18040001, on right bank, 300 ft downstream from Highway 41 bridge, and 2.8 mi north of Pinedale.

DRAINAGE AREA.--1,785 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) |
| --- | --- | --- | --- | --- | --- |
| 04-29-2013 1345 | 1,080 | 12.4 | 8 | 23 | 48 |
| 04-29-2013 1346 | 1,080 | 12.4 | 3 | 8.7 | 90 |
| 04-29-2013 1348 | 1,080 | 12.4 | 3 | 8.7 | 92 |
| 04-29-2013 1349 | 1,080 | 12.4 | A 5 | A 15 | A 67 |
| 04-29-2013 1350 | 1,080 | 12.4 | 3 | 8.7 | 75 |
| 04-29-2013 1351 | 1,080 | 12.4 | 6 | 17 | 63 |
| 04-29-2013 1352 | 1,080 | 12.4 | A 5 | A 15 | A 78 |
| 04-29-2013 1353 | 1,080 | 12.4 | 4 | 12 | 94 |
| 04-29-2013 1354 | 1,080 | 12.4 | 3 | 8.7 | 92 |
| 04-29-2013 1355 | 1,080 | 12.4 | A 4 | A 12 | A 89 |
| 04-29-2013 1356 | 1,080 | 12.4 | 4 | 12 | 85 |
| 04-29-2013 1357 | 1,080 | 12.4 | 4 | 12 | 82 |
| 04-29-2013 1358 | 1,080 | 12.4 | 5 | 15 | 91 |
| 05-06-2013 1318 | 253 | 16.4 | 5 | 3.4 | 80 |
| 05-06-2013 1320 | 253 | 16.4 | 8 | 5.5 | 95 |
| 05-06-2013 1321 | 253 | 16.4 | 5 | 3.4 | 69 |
| 05-06-2013 1322 | 253 | 16.4 | A 6 | A 4.1 | A 79 |
| 05-06-2013 1324 | 253 | 16.4 | 5 | 3.4 | 93 |
| 05-06-2013 1325 | 253 | 16.4 | 6 | 4.1 | 53 |
| 05-06-2013 1326 | 253 | 16.4 | A 5 | A 3.4 | A 82 |
| 05-06-2013 1327 | 253 | 16.4 | 5 | 3.4 | 69 |
| 05-06-2013 1328 | 253 | 16.4 | 5 | 3.4 | 92 |
| 05-06-2013 1330 | 253 | 16.4 | 4 | 2.7 | 92 |
| 05-06-2013 1331 | 253 | 16.4 | A 4 | A 2.7 | A 85 |
| 05-06-2013 1332 | 253 | 16.4 | 4 | 2.7 | 93 |
| 05-06-2013 1334 | 253 | 16.4 | 5 | 3.4 | 86 |

| 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) |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 04-29-2013 1412 | 1 | 1,080 | 12.7 | < 1 | < 1 | < 1 | 4 | 8 | 12 |
| 04-29-2013 1415 | 1 | 1,080 | 12.7 | < 1 | < 1 | < 1 | < 1 | 1 | 2 |
| 04-29-2013 1419 | 1 | 1,080 | 12.7 | < 1 | < 1 | < 1 | 1 | 6 | 13 |
| 04-29-2013 1422 | 1 | 1,080 | 12.7 | < 1 | < 1 | < 1 | 4 | 15 | 28 |
| 04-29-2013 1426 | 1 | 1,080 | 12.7 | < 1 | < 1 | 2 | 39 | 97 | 100 |
| 05-06-2013 1339 | 1 | 253 | 16.5 | < 1 | < 1 | < 1 | 1 | 3 | 8 |
| 05-06-2013 1341 | 1 | 253 | 16.5 | < 1 | < 1 | < 1 | < 1 | < 1 | 1 |
| 05-06-2013 1345 | 1 | 253 | 16.5 | < 1 | < 1 | < 1 | < 1 | < 1 | 1 |
| 05-06-2013 1349 | 1 | 253 | 16.5 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| 05-06-2013 1353 | 1 | 253 | 16.5 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |

| 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) | 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) | Bed sediment, dry sieved, sieve diameter, percent smaller than 64 mm (80174) |
| --- | --- | --- | --- | --- | --- |
| 04-29-2013 1412 | 14 | 18 | 21 | 29 | 100 |
| 04-29-2013 1415 | 3 | 5 | 8 | 8 | 100 |
| 04-29-2013 1419 | 16 | 21 | 32 | 32 | 100 |
| 04-29-2013 1422 | 34 | 38 | 49 | 62 | 100 |
| 04-29-2013 1426 | -- | -- | -- | -- | -- |
| 05-06-2013 1339 | 14 | 21 | 41 | 60 | 100 |
| 05-06-2013 1341 | 3 | 5 | 15 | 58 | 100 |
| 05-06-2013 1345 | 2 | 3 | 10 | 27 | 100 |
| 05-06-2013 1349 | 1 | 2 | 7 | 15 | 100 |
| 05-06-2013 1353 | < 1 | < 1 | 3 | 21 | 100 |

| PARTICLE-SIZE DISTRIBUTION OF BEDLOAD WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013 |
| --- |
| Part 1 of 4 [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) |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 04-29-2013 1433 | Bedload (SEWI) | BL-3X3 BL-84, Cable | 0.250 | No | 1433 | 1522 | 120 | 4.0 |
| 04-29-2013 1527 | Bedload (SEWI) | BL-3X3 BL-84, Cable | .250 | No | 1527 | 1615 | 120 | 4.0 |
| 05-06-2013 1358 | Bedload (SEWI) | BL-3X3 BL-84, Cable | .250 | No | 1358 | 1452 | 120 | 3.3 |
| 05-06-2013 1454 | Bedload (SEWI) | BL-3X3 BL-84, Cable | .250 | No | 1454 | 1540 | 120 | 3.3 |

| PARTICLE-SIZE DISTRIBUTION OF BEDLOAD WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013 |
| --- |
| Part 2 of 4 [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) |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 04-29-2013 1433 | 2 | 24 | 24 | 2.00 | 97.0 | 1,080 | 13.0 | 0.04 | A 4.7 |
| 04-29-2013 1527 | 2 | 24 | 24 | 2.00 | 97.0 | 1,080 | 13.5 | .06 | A 4.7 |
| 05-06-2013 1358 | 2 | 20 | 20 | 1.70 | 66.0 | 253 | 16.8 | .02 | A .83 |
| 05-06-2013 1454 | 2 | 20 | 20 | 1.70 | 66.0 | 253 | 17.1 | < .01 | A .83 |

| PARTICLE-SIZE DISTRIBUTION OF BEDLOAD WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013 |
| --- |
| Part 3 of 4 [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) | Bedload sediment, sieve diameter, percent smaller than 16 mm (80234) |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 04-29-2013 1433 | < 1 | < 1 | < 1 | < 1 | 1 | 2 | 2 | 2 | 3 |
| 04-29-2013 1527 | < 1 | < 1 | < 1 | 18 | 59 | 91 | 97 | 99 | 100 |
| 05-06-2013 1358 | < 1 | < 1 | < 1 | 7 | 27 | 53 | 67 | 75 | 82 |
| 05-06-2013 1454 | < 1 | 1 | 1 | 13 | 42 | 71 | 87 | 92 | 100 |

| PARTICLE-SIZE DISTRIBUTION OF BEDLOAD WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013 |
| --- |
| Part 4 of 4 [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 32 mm (80235) | Bedload sediment, sieve diameter, percent smaller than 64 mm (80236) |
| --- | --- | --- |
| 04-29-2013 1433 | 3 | 100 |
| 04-29-2013 1527 | -- | -- |
| 05-06-2013 1358 | 100 | -- |
| 05-06-2013 1454 | -- | -- |