

Water-Data Report 2013

## 11303000 Stanislaus River at Ripon, CA

San Joaquin River Basin

LOCATION.--Lat 37°43'47", long 121°06'34" referenced to North American Datum of 1927, in NW ¼ SE ¼ sec.29, T.2 S., R.8 E., Stanislaus County, CA, Hydrologic Unit 18040002, on left bank, 15 ft downstream from Southern Pacific Railroad bridge, 1.1 mi southeast of Ripon, and 15 mi upstream from mouth.

DRAINAGE AREA.--1,075 mi<sup>2</sup>.

### **SURFACE-WATER RECORDS**

PERIOD OF RECORD.--October 1940 to current year. April to September 1940 in reports of California Department of Water Resources.

GAGE.--Water-stage recorder. Elevation of gage datum is 0.72 ft above NGVD of 1929. October 1940 to Nov. 17, 1953, at site 100 ft upstream at same datum.

REMARKS.--Records good. Flow regulated by reservoirs and powerplants upstream from station. South San Joaquin and Oakdale Canals (stations 11300500 and 11301000) divert at Goodwin Dam 34 mi upstream for irrigation in the vicinity of Oakdale. See REMARKS for "Stanislaus River below Goodwin Dam, near Knights Ferry" (station 11302000).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 62,500 ft<sup>3</sup>/s, Dec. 24, 1955, gage height, 63.25 ft; minimum daily, 0.11 ft<sup>3</sup>/s, Aug. 4-6, 1977.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Feb. 12, 1938, reached a stage of 64.4 ft, from floodmarks.

## 11303000 Stanislaus River at Ripon, CA—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	306	386	372	399	826	1,120	356	2,890	412	446	302	267
2	310	375	376	393	867	1,090	332	2,880	447	451	300	272
3	296	363	471	384	885	1,080	310	2,880	473	433	305	287
4	293	358	383	387	894	1,070	316	2,890	490	411	292	278
5	323	349	355	390	899	1,080	299	2,890	487	420	290	285
6	343	344	373	444	921	995	300	2,900	480	422	279	271
7	396	338	353	555	1,260	905	287	2,930	506	384	285	278
8	414	335	332	468	1,390	884	275	2,940	492	387	307	273
9	465	329	322	418	1,430	865	272	2,950	465	379	279	269
10	622	339	317	397	1,450	854	272	2,970	471	372	314	277
11	626	324	318	385	1,470	657	398	3,000	456	344	293	285
12	564	319	314	377	1,470	587	493	2,990	447	335	298	283
13	514	316	317	373	1,480	546	513	2,720	414	338	311	272
14	756	314	314	371	1,490	521	537	2,030	397	332	283	269
15	1,080	312	317	368	1,500	519	566	1,420	411	341	267	272
16	1,200	311	318	371	1,500	521	699	1,180	398	350	264	278
17	1,190	316	321	370	1,500	481	740	987	405	324	270	267
18	1,140	327	327	365	1,500	464	1,140	830	407	333	279	268
19	1,100	320	333	363	1,520	426	1,330	760	373	329	307	266
20	1,030	307	320	361	1,540	428	1,380	667	360	331	294	265
21	887	312	315	362	1,530	427	1,400	612	352	338	292	275
22	752	310	332	361	1,530	412	1,470	570	357	328	285	298
23	634	305	427	360	1,530	376	2,080	542	352	323	284	289
24	988	302	727	368	1,530	328	2,500	532	367	324	284	296
25	1,090	302	730	372	1,530	326	2,610	517	366	318	283	281
26	1,010	300	533	382	1,530	322	2,680	504	380	332	298	283
27	888	303	648	365	1,520	316	2,740	478	355	325	277	291
28	735	310	532	364	1,240	310	2,760	450	356	337	268	288
29	587	315	457	363	---	309	2,810	444	416	332	257	282
30	459	347	425	364	---	342	2,830	417	426	328	266	275
31	401	---	410	626	---	363	---	406	---	318	288	---
<b>Total</b>	21,399	9,788	12,389	12,226	37,732	18,924	34,695	51,176	12,518	11,065	8,901	8,340
<b>Mean</b>	690	326	400	394	1,348	610	1,156	1,651	417	357	287	278
<b>Max</b>	1,200	386	730	626	1,540	1,120	2,830	3,000	506	451	314	298
<b>Min</b>	293	300	314	360	826	309	272	406	352	318	257	265
<b>Ac-ft</b>	42,440	19,410	24,570	24,250	74,840	37,540	68,820	101,500	24,830	21,950	17,660	16,540

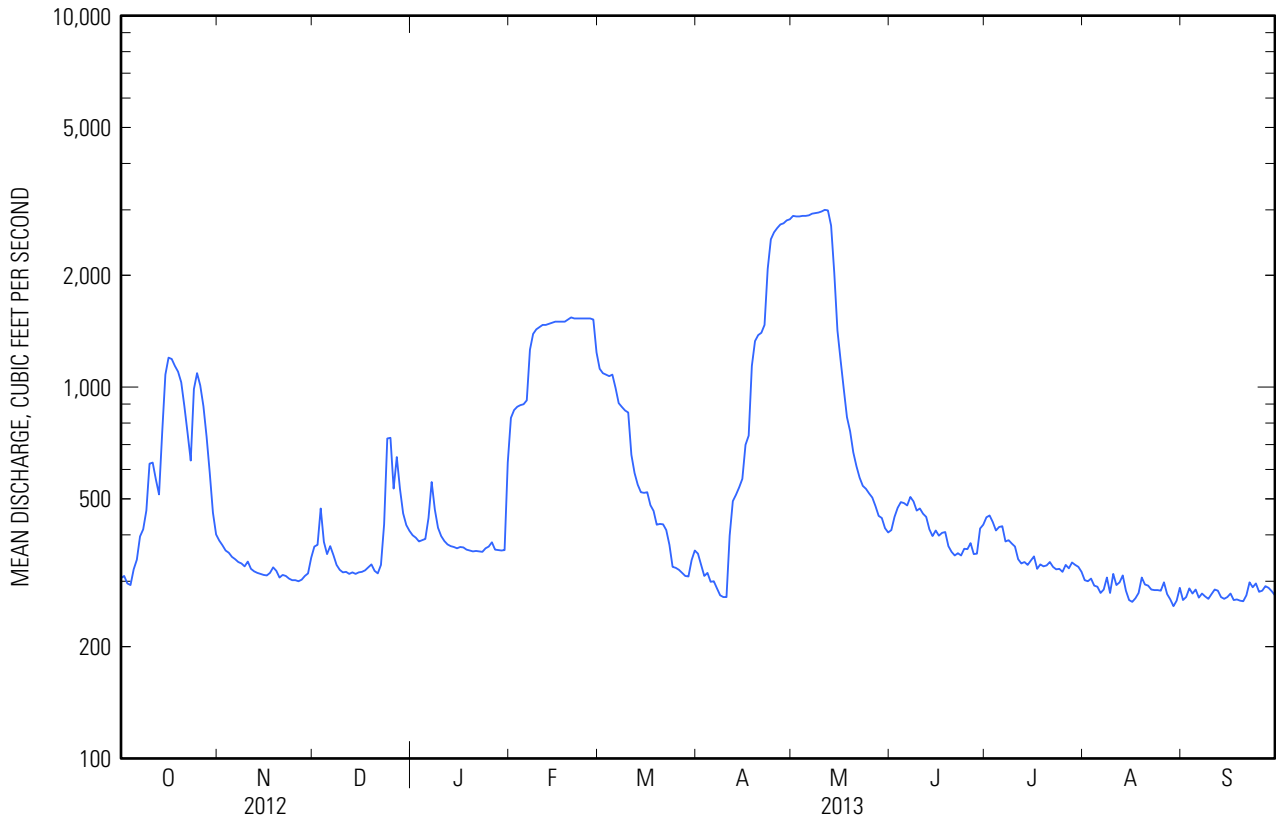
**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2013, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	457	460	824	1,142	1,191	1,314	1,482	1,922	1,331	540	400	376
<b>Max</b>	2,320	4,518	7,602	6,273	6,499	5,094	5,047	7,703	5,531	3,633	2,834	2,041
<b>(WY)</b>	(2012)	(1951)	(1951)	(1997)	(1997)	(1943)	(1983)	(1952)	(1967)	(1983)	(1983)	(1983)
<b>Min</b>	6.34	20.3	26.0	77.8	64.3	47.5	41.0	42.8	25.1	9.88	0.63	2.95
<b>(WY)</b>	(1978)	(1978)	(1978)	(1977)	(1977)	(1977)	(1977)	(1977)	(1977)	(1977)	(1977)	(1977)

11303000 Stanislaus River at Ripon, CA—Continued

SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1941 - 2013	
<b>Annual total</b>	241,777		239,153			
<b>Annual mean</b>	661		655		952	
<b>Highest annual mean</b>					2,548	1983
<b>Lowest annual mean</b>					44.9	1977
<b>Highest daily mean</b>	1,900	Apr 23	3,000	May 11	47,000	Dec 24, 1955
<b>Lowest daily mean</b>	293	Oct 4	257	Aug 29	0.11	Aug 4, 1977
<b>Annual seven-day minimum</b>	304	Sep 23	269	Sep 14	0.13	Aug 2, 1977
<b>Maximum peak flow</b>			3,010	May 11	62,500	Dec 24, 1955
<b>Maximum peak stage</b>			48.13	May 11	63.25	Dec 24, 1955
<b>Annual runoff (ac-ft)</b>	479,600		474,400		689,500	
<b>10 percent exceeds</b>	1,520		1,480		2,360	
<b>50 percent exceeds</b>	459		376		411	
<b>90 percent exceeds</b>	316		283		152	



**11303000 Stanislaus River at Ripon, CA—Continued**

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--Water years 1985-89, 1993 to current year.

CHEMICAL DATA: Water years 1985-88, 1993-94.

SEDIMENT DATA: Water years 1985-88, 1993-94.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1985 to September 1989, July 1997 to current year.

WATER TEMPERATURE: October 1985 to September 1989, October 1994 to current year.

INSTRUMENTATION.--Water-temperature and specific conductance recorders through June 1997, water-quality monitor since July 1997.

REMARKS.--Data for the period October 1985 to March 1987 are available in U.S. Geological Survey Open-File Report 88-479. Data for the period April 1987 to September 1988 are available in U.S. Geological Survey Open-File Report 91-74. Specific conductance and water temperature may be affected by upstream regulation.

Specific conductance records rated excellent except for Oct. 1, Oct. 22 to Nov. 2, Jan 28 to Feb. 22, Mar. 15 to Apr. 9, May 21 to June 24, June 28-29, July 3-17, Aug. 20 to Sept. 3, which are rated good; Nov. 3-21, July 18-31, Sept. 4-15, which are rated fair; and Nov. 22-27, Aug. 1-12, Sept. 6-24, which are rated poor.

Water temperature records rated excellent except for Jan. 8-16, which are rated good. Interruptions in record were due to malfunction of the recording instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 240 microsiemens, Jan. 21, 2009; minimum recorded, 38 microsiemens, Mar. 2, 1989.

WATER TEMPERATURE: Maximum recorded, 27.5°C, July 21, 1989; minimum recorded, 2.5°C, Dec. 11, 22, 1997.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum recorded, 211 microsiemens, Jan. 20; minimum recorded, 53 microsiemens, May 11-13.

WATER TEMPERATURE: Maximum recorded, 26.4°C, June 28; minimum recorded, 5.5°C, Jan. 14, 15.

## 11303000 Stanislaus River at Ripon, CA—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS  
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	October			November			December			January		
1	82	75	77	121	72	75	124	83	89	162	129	134
2	97	76	82	113	75	80	138	88	99	136	128	128
3	84	74	80	85	72	77	124	93	102	141	131	133
4	85	74	82	78	70	72	124	100	108	162	130	133
5	82	73	75	75	70	71	170	95	107	184	122	146
6	76	70	72	76	70	71	118	96	104	151	105	113
7	73	66	67	77	69	70	133	106	115	173	114	155
8	70	64	66	80	69	70	133	108	121	190	164	171
9	70	62	65	122	69	80	109	98	101	164	139	146
10	66	59	61	113	79	84	101	94	96	144	133	136
11	65	58	62	87	72	74	180	94	98	178	128	130
12	68	61	64	75	71	72	118	92	95	185	139	147
13	72	63	69	76	70	71	98	90	92	189	126	129
14	72	58	62	77	70	71	141	91	93	134	124	126
15	59	55	57	81	73	74	154	99	116	---	---	---
16	57	55	56	121	72	83	99	93	94	---	---	---
17	57	55	56	128	78	84	125	92	95	188	124	138
18	58	55	56	88	78	80	125	102	109	137	122	124
19	57	55	56	82	77	78	122	90	95	139	124	125
20	57	55	56	104	76	79	99	92	94	211	123	124
21	59	56	58	103	82	87	99	93	94	201	136	141
22	64	58	61	88	74	77	138	91	96	192	126	128
23	84	60	64	79	76	76	111	91	96	136	125	126
24	67	55	56	80	74	75	139	89	100	187	125	127
25	66	54	55	80	74	75	139	125	131	186	129	138
26	64	56	57	79	73	74	132	118	124	183	127	137
27	58	56	56	147	73	87	146	120	129	136	125	127
28	61	57	60	152	80	88	131	122	126	138	127	129
29	67	60	64	113	81	86	137	130	134	189	126	128
30	76	65	69	130	80	87	135	129	131	179	141	146
31	79	73	74	---	---	---	169	131	142	169	107	114
<b>Max</b>	97	76	82	152	82	88	180	131	142	---	---	---
<b>Min</b>	57	54	55	75	69	70	98	83	89	---	---	---

## 11303000 Stanislaus River at Ripon, CA—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS  
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

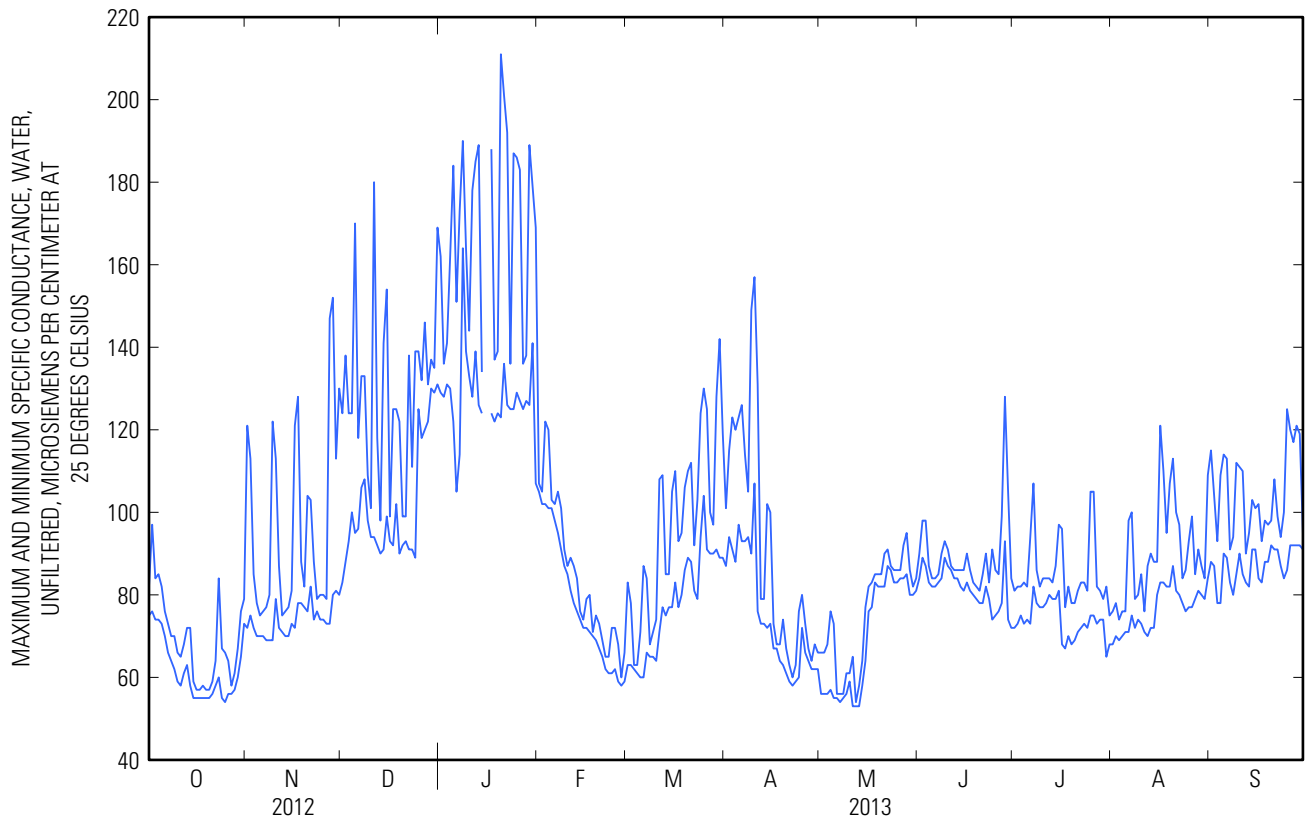
Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	February			March			April			May		
<b>1</b>	107	105	106	83	63	66	101	87	96	66	56	56
<b>2</b>	105	102	103	78	63	67	115	94	101	66	56	58
<b>3</b>	122	102	106	63	62	62	123	91	104	68	56	58
<b>4</b>	120	101	105	63	61	62	120	88	99	76	57	61
<b>5</b>	103	101	102	71	60	61	123	97	102	73	55	59
<b>6</b>	102	98	101	87	60	69	126	93	102	56	55	55
<b>7</b>	105	95	98	84	66	70	114	93	97	56	54	55
<b>8</b>	101	91	96	68	65	66	105	94	97	56	55	56
<b>9</b>	91	87	89	71	65	66	149	90	96	61	56	57
<b>10</b>	87	85	86	74	64	65	157	107	111	61	59	60
<b>11</b>	89	81	83	108	71	84	131	76	88	65	53	57
<b>12</b>	87	78	81	109	77	82	79	73	75	54	53	53
<b>13</b>	84	76	77	85	75	80	79	73	75	58	53	54
<b>14</b>	76	74	75	85	77	80	102	72	79	64	58	61
<b>15</b>	74	72	73	105	77	80	100	73	79	77	64	70
<b>16</b>	79	72	75	110	83	88	73	67	70	82	76	80
<b>17</b>	80	71	74	93	77	81	68	67	67	83	77	79
<b>18</b>	71	70	71	95	80	86	68	64	64	85	83	84
<b>19</b>	75	69	69	106	86	88	74	63	65	85	82	83
<b>20</b>	73	67	69	110	89	95	67	61	63	85	82	84
<b>21</b>	69	65	67	112	88	95	63	59	60	90	82	86
<b>22</b>	65	62	64	92	81	86	60	58	59	91	87	89
<b>23</b>	65	61	63	103	79	87	63	59	60	87	86	87
<b>24</b>	72	61	62	124	94	95	76	60	67	86	83	85
<b>25</b>	72	62	65	130	104	108	80	72	78	86	83	84
<b>26</b>	68	59	60	125	91	94	73	66	69	86	84	85
<b>27</b>	60	58	59	100	90	92	67	64	66	92	84	89
<b>28</b>	66	59	63	97	90	92	64	62	64	95	85	92
<b>29</b>	---	---	---	128	91	105	68	62	66	86	80	81
<b>30</b>	---	---	---	142	89	110	66	62	64	82	80	80
<b>31</b>	---	---	---	119	89	98	---	---	---	84	81	82
<b>Max</b>	122	105	106	142	104	110	157	107	111	95	87	92
<b>Min</b>	60	58	59	63	60	61	60	58	59	54	53	53

## 11303000 Stanislaus River at Ripon, CA—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS  
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	June			July			August			September		
1	90	84	86	81	72	75	76	68	70	115	88	92
2	98	89	92	82	73	75	78	70	71	104	87	94
3	98	87	93	82	75	77	74	69	70	93	78	81
4	87	83	86	83	73	75	76	70	72	109	78	89
5	84	82	82	82	74	76	76	71	72	114	90	95
6	84	82	83	94	73	76	98	71	74	113	89	96
7	85	83	85	107	82	85	100	75	81	91	83	86
8	90	84	86	86	78	81	79	72	74	94	80	85
9	93	89	90	82	77	78	80	74	76	112	85	94
10	91	87	88	84	77	79	85	73	77	111	90	94
11	87	86	86	84	78	80	76	71	72	110	85	88
12	86	84	85	84	80	81	87	70	71	90	83	85
13	86	84	85	83	79	80	90	72	73	95	82	85
14	86	82	83	87	79	81	88	72	76	103	91	93
15	86	81	82	97	81	87	88	80	83	101	91	93
16	90	83	85	96	68	88	121	83	88	102	84	90
17	86	81	82	77	67	69	110	83	86	93	83	84
18	83	80	81	82	70	72	95	82	86	98	88	92
19	82	79	80	78	68	71	107	82	87	97	88	91
20	81	78	79	78	69	72	113	87	92	98	92	95
21	85	78	79	81	71	76	100	81	88	108	91	94
22	90	82	84	83	72	76	97	80	90	99	91	94
23	83	79	80	83	73	75	84	78	81	94	87	92
24	91	74	78	81	72	74	86	76	80	100	84	87
25	86	75	77	105	75	84	93	77	80	125	86	95
26	85	76	78	105	75	82	99	77	82	120	92	98
27	99	78	83	82	73	75	85	79	81	117	92	98
28	128	93	98	81	74	77	91	81	84	121	92	98
29	105	74	88	79	74	75	87	80	82	119	92	98
30	84	72	76	82	65	68	84	79	81	95	91	93
31	---	---	---	75	68	69	109	84	90	---	---	---
<b>Max</b>	128	93	98	107	82	88	121	87	92	125	92	98
<b>Min</b>	81	72	76	75	65	68	74	68	70	90	78	81

11303000 Stanislaus River at Ripon, CA—Continued





## 11303000 Stanislaus River at Ripon, CA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS  
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	October			November			December			January		
1	20.2	18.3	19.5	15.7	14.7	15.0	14.6	13.5	13.8	8.3	7.5	8.0
2	20.3	18.4	19.5	15.2	14.1	14.7	14.7	13.9	14.3	8.1	7.1	7.7
3	20.3	18.4	19.4	14.7	13.5	14.3	13.9	12.8	13.2	8.1	6.9	7.6
4	19.8	18.0	19.0	14.7	13.4	14.1	13.2	12.4	12.8	8.4	7.1	7.7
5	18.9	17.5	18.5	14.7	13.3	14.1	13.9	13.0	13.7	9.2	7.4	7.9
6	18.2	16.9	17.7	14.8	13.6	14.2	13.9	13.5	13.6	9.2	8.8	8.9
7	17.6	16.3	17.0	14.7	13.5	14.2	13.6	12.4	13.1	9.0	8.3	8.6
8	17.1	15.7	16.5	14.1	13.2	13.7	12.4	11.3	11.9	9.1	8.0	8.5
9	16.5	15.2	16.0	13.4	12.3	12.9	11.3	10.5	11.0	8.9	8.2	8.6
10	15.9	14.5	15.3	12.6	11.4	12.1	11.5	10.4	11.0	8.8	8.1	8.5
11	15.2	14.4	14.6	11.4	10.3	10.9	11.5	10.3	11.1	8.3	7.3	8.0
12	14.5	14.0	14.3	10.7	9.6	10.3	11.8	11.0	11.2	7.9	6.9	7.5
13	15.0	13.7	14.3	10.8	9.5	10.2	11.0	9.8	10.3	7.2	6.0	6.6
14	14.8	13.7	14.5	11.2	9.8	10.5	10.2	9.0	9.6	6.6	5.5	6.2
15	14.6	13.8	14.3	11.5	10.1	10.8	9.9	8.8	9.2	---	5.5	---
16	15.0	14.1	14.4	12.4	11.0	11.6	10.0	8.9	9.4	7.4	---	---
17	15.0	14.4	14.7	14.3	12.0	12.9	11.3	10.0	10.7	7.7	6.2	7.0
18	14.7	14.0	14.5	14.0	13.2	13.6	11.1	10.1	10.7	7.9	6.4	7.1
19	15.7	14.4	14.6	14.0	13.1	13.5	10.3	8.8	9.4	8.2	6.7	7.4
20	15.1	14.5	14.8	13.9	12.6	13.3	8.8	7.9	8.5	8.5	6.8	7.6
21	14.5	13.7	14.0	14.2	13.3	13.6	8.6	7.7	8.1	8.8	7.0	7.9
22	13.9	13.5	13.8	13.3	12.4	12.9	9.8	8.6	9.4	8.6	7.1	7.9
23	14.2	13.2	13.7	12.4	11.5	12.1	10.6	9.4	10.0	8.9	8.1	8.5
24	13.7	12.9	13.2	12.0	11.0	11.7	10.3	9.7	10.0	10.5	8.9	9.4
25	13.9	12.9	13.3	11.7	10.6	11.3	9.9	9.3	9.5	11.3	9.9	10.7
26	13.6	13.1	13.4	11.7	10.3	11.1	10.3	9.3	9.8	12.0	10.9	11.3
27	13.6	12.7	13.2	12.0	10.8	11.3	10.2	9.4	10.0	11.2	10.1	10.6
28	14.2	13.1	13.5	12.9	11.4	11.9	9.4	8.8	9.0	10.1	8.9	9.7
29	14.6	13.4	14.1	12.9	11.8	12.3	9.6	8.9	9.1	10.3	8.6	9.3
30	15.0	13.8	14.4	14.3	12.7	13.9	9.1	8.4	8.8	10.1	8.4	9.3
31	15.2	14.1	14.6	---	---	---	8.8	8.0	8.5	9.6	8.6	9.3
<b>Max</b>	20.3	18.4	19.5	15.7	14.7	15.0	14.7	13.9	14.3	---	---	---
<b>Min</b>	13.6	12.7	13.2	10.7	9.5	10.2	8.6	7.7	8.1	---	---	---

## 11303000 Stanislaus River at Ripon, CA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS  
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

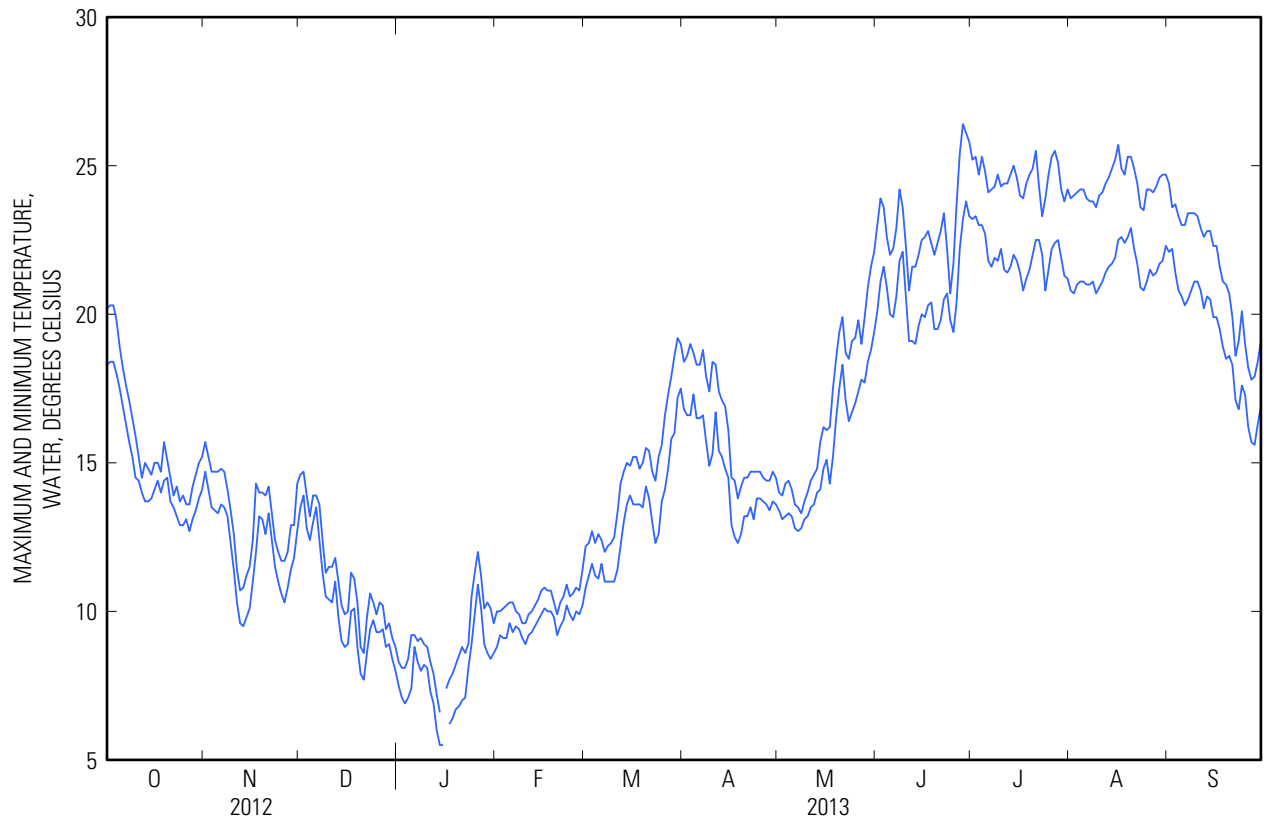
Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	February			March			April			May		
1	10.0	8.8	9.3	12.2	10.8	11.5	18.4	16.8	17.8	14.0	13.4	13.6
2	10.0	9.2	9.6	12.3	11.2	11.8	18.6	16.6	17.7	13.9	13.1	13.4
3	10.1	9.1	9.6	12.7	11.6	12.1	19.0	16.6	17.8	14.3	13.2	13.5
4	10.2	9.1	9.7	12.3	11.2	11.8	18.7	17.3	17.9	14.4	13.3	13.7
5	10.3	9.6	9.9	12.6	11.1	11.7	18.3	16.5	17.3	14.1	13.2	13.6
6	10.3	9.3	9.9	12.4	11.6	11.9	18.3	16.5	17.2	13.6	12.8	13.2
7	10.0	9.5	9.7	12.0	11.0	11.5	18.8	16.6	17.3	13.5	12.7	13.0
8	9.9	9.4	9.5	12.2	11.0	11.5	17.9	15.7	16.9	13.3	12.8	12.9
9	9.6	9.1	9.3	12.3	11.0	11.8	17.4	14.9	16.2	13.7	13.1	13.4
10	9.6	8.9	9.3	12.5	11.0	11.8	18.4	15.3	16.4	14.0	13.2	13.6
11	9.9	9.2	9.5	13.3	11.4	12.1	18.3	16.7	17.4	14.4	13.5	13.8
12	10.0	9.3	9.6	14.3	12.2	12.9	17.4	15.4	16.7	14.6	13.6	14.1
13	10.2	9.5	9.8	14.7	13.0	13.6	17.1	15.2	16.4	14.8	14.0	14.4
14	10.4	9.7	10.0	15.0	13.6	14.2	16.9	14.8	16.2	15.7	14.1	14.7
15	10.7	9.9	10.3	14.9	13.9	14.5	16.1	14.5	15.3	16.2	14.8	15.4
16	10.8	10.1	10.4	15.2	13.6	14.4	14.5	12.9	13.9	16.1	15.1	15.7
17	10.7	10.0	10.4	15.2	13.6	14.4	14.4	12.5	13.5	16.2	14.3	15.0
18	10.7	10.0	10.3	14.8	13.6	14.4	13.8	12.3	13.3	17.5	15.2	15.9
19	10.3	9.8	10.2	15.0	13.5	14.3	14.2	12.6	13.2	18.5	16.5	17.2
20	9.9	9.2	9.7	15.5	14.2	14.7	14.5	13.2	13.7	19.4	17.5	18.2
21	10.3	9.5	9.9	15.4	13.8	14.6	14.5	13.2	14.0	19.9	18.3	18.8
22	10.5	9.7	10.1	14.7	13.0	14.0	14.7	13.5	14.1	18.7	17.1	18.0
23	10.9	10.2	10.4	14.4	12.3	13.6	14.7	13.1	14.0	18.5	16.4	17.4
24	10.5	9.9	10.2	15.2	12.6	13.6	14.7	13.8	14.1	19.1	16.7	17.6
25	10.6	9.7	10.1	15.6	13.7	14.6	14.7	13.8	14.1	19.2	17.0	17.9
26	10.8	10.0	10.3	16.6	14.1	14.9	14.5	13.7	13.9	19.8	17.4	18.3
27	10.7	9.9	10.3	17.3	14.8	15.7	14.4	13.6	13.8	19.0	17.8	18.3
28	11.4	10.2	10.8	17.9	15.8	16.4	14.4	13.4	13.8	19.9	17.7	18.3
29	---	---	---	18.6	16.0	16.9	14.7	13.7	14.1	20.9	18.4	19.3
30	---	---	---	19.2	17.2	18.1	14.5	13.6	13.9	21.6	18.8	19.8
31	---	---	---	19.0	17.5	18.0	---	---	---	22.1	19.4	20.4
<b>Max</b>	11.4	10.2	10.8	19.2	17.5	18.1	19.0	17.3	17.9	22.1	19.4	20.4
<b>Min</b>	9.6	8.8	9.3	12.0	10.8	11.5	13.8	12.3	13.2	13.3	12.7	12.9

## 11303000 Stanislaus River at Ripon, CA—Continued

**TEMPERATURE, WATER, DEGREES CELSIUS**  
**WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	June			July			August			September		
1	23.0	20.1	21.2	25.2	23.2	24.4	23.9	20.8	22.2	24.4	22.1	23.2
2	23.9	21.1	22.1	25.3	23.3	24.5	24.0	20.7	22.1	23.6	22.2	22.7
3	23.6	21.6	22.5	24.7	23.0	24.1	24.1	21.0	22.4	23.7	21.4	22.3
4	22.6	20.9	21.8	25.3	23.0	24.0	24.2	21.1	22.5	23.3	20.8	22.0
5	22.0	20.0	21.2	24.8	22.7	23.9	24.2	21.1	22.5	23.0	20.6	21.7
6	22.2	19.9	20.9	24.1	21.8	23.1	23.9	21.0	22.4	23.0	20.3	21.6
7	22.9	20.6	21.7	24.2	21.6	23.0	23.8	21.0	22.2	23.4	20.5	21.6
8	24.2	21.8	22.6	24.3	21.9	23.0	23.8	21.1	22.1	23.4	20.8	22.1
9	23.6	22.1	22.9	24.7	21.8	23.1	23.6	20.7	22.1	23.4	21.1	22.2
10	22.3	20.6	21.4	24.3	22.2	23.3	24.0	20.9	22.3	23.3	21.1	22.3
11	20.8	19.1	20.2	24.4	21.5	22.9	24.1	21.1	22.5	22.9	20.8	21.7
12	21.6	19.1	20.0	24.4	21.4	22.9	24.4	21.4	22.6	22.6	20.2	21.1
13	21.6	19.0	20.2	24.7	21.6	23.0	24.6	21.6	22.9	22.8	20.6	21.4
14	22.0	19.6	20.7	25.0	22.0	23.4	24.9	21.7	23.2	22.8	20.5	21.5
15	22.5	20.0	21.0	24.6	21.8	23.3	25.2	21.9	23.2	22.3	19.9	21.1
16	22.6	19.9	21.2	24.0	21.4	22.7	25.7	22.5	23.8	22.3	19.9	21.1
17	22.8	20.3	21.3	23.9	20.8	22.3	24.9	22.6	23.6	21.6	19.5	20.5
18	22.4	20.4	21.2	24.4	21.2	22.6	24.7	22.4	23.4	21.1	18.9	20.0
19	22.0	19.5	20.7	24.7	21.5	22.9	25.3	22.6	23.6	21.0	18.5	19.7
20	22.4	19.5	20.7	24.9	22.0	23.3	25.3	22.9	24.0	20.7	18.6	19.6
21	22.8	19.8	21.0	25.5	22.5	23.8	24.9	22.2	23.5	19.9	18.3	19.1
22	23.4	20.5	21.6	24.3	22.5	23.5	24.4	21.7	23.0	18.6	17.1	17.9
23	22.2	20.7	21.2	23.3	22.0	22.6	23.6	20.9	22.4	19.1	16.8	17.7
24	20.7	19.8	20.3	23.9	20.8	22.2	23.5	20.8	22.1	20.1	17.6	18.4
25	21.7	19.4	19.8	24.7	21.5	22.7	24.2	21.1	22.2	19.0	17.3	18.2
26	23.7	20.4	21.3	25.3	22.2	23.6	24.2	21.5	22.8	18.2	16.2	17.4
27	25.4	22.2	23.2	25.5	22.4	23.8	24.1	21.3	22.5	17.8	15.7	16.9
28	26.4	23.2	24.4	25.1	22.5	23.9	24.3	21.4	22.6	17.9	15.6	16.9
29	26.1	23.8	25.0	24.2	21.9	23.1	24.6	21.7	22.9	18.4	16.3	17.3
30	25.8	23.3	24.7	23.8	21.3	22.5	24.7	21.8	23.0	19.1	16.9	17.5
31	---	---	---	24.2	21.2	22.4	24.7	22.3	23.4	---	---	---
<b>Max</b>	26.4	23.8	25.0	25.5	23.3	24.5	25.7	22.9	24.0	24.4	22.2	23.2
<b>Min</b>	20.7	19.0	19.8	23.3	20.8	22.2	23.5	20.7	22.1	17.8	15.6	16.9

**11303000 Stanislaus River at Ripon, CA—Continued**



## 11303000 Stanislaus River at Ripon, CA—Continued

**CROSS SECTION ANALYSES**  
**WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**  
 [ft, feet, °C, degrees Celsius; μS/cm, microsiemens per centimeter]

Sample date-time	Specific conductivity, unfiltered, water, μS/cm at 25°C (00095)	Temperature, water, °C (00010)	Depth to bottom at sample location, ft (81903)	Sampling depth, ft (00003)	Stream width, ft (00004)	Location in cross section, distance from left bank looking downstream, ft (00009)
08-12-2013 1115	75	21.8	1.32	0.79	72.0	3.60
08-12-2013 1116	72	21.9	2.50	.50	72.0	10.8
08-12-2013 1117	72	21.9	2.50	2.00	72.0	10.8
08-12-2013 1118	71	21.9	2.70	.54	72.0	18.0
08-12-2013 1124	71	22.0	2.70	2.16	72.0	18.0
08-12-2013 1126	71	22.0	2.80	2.24	72.0	25.2
08-12-2013 1127	71	22.0	2.80	.56	72.0	25.2
08-12-2013 1128	71	22.1	3.00	2.40	72.0	32.4
08-12-2013 1129	71	22.1	3.00	.60	72.0	32.4
08-12-2013 1130	71	22.1	3.25	2.60	72.0	39.6
08-12-2013 1131	71	22.1	3.25	.65	72.0	39.6
08-12-2013 1132	71	22.2	3.13	2.50	72.0	46.8
08-12-2013 1133	71	22.2	3.13	.62	72.0	46.8
08-12-2013 1134	71	22.2	2.33	1.40	72.0	54.0
08-12-2013 1135	71	22.3	1.54	.92	72.0	61.2
08-12-2013 1136	71	22.3	.70	.42	72.0	68.4
09-24-2013 1145	117	18.3	1.50	.90	76.0	3.80
09-24-2013 1146	100	18.3	2.42	1.45	76.0	11.4
09-24-2013 1147	81	18.3	2.75	.55	76.0	19.0
09-24-2013 1148	81	18.3	2.75	2.20	76.0	19.0
09-24-2013 1149	81	18.3	3.00	.60	76.0	26.6
09-24-2013 1150	81	18.3	3.00	2.40	76.0	26.6
09-24-2013 1151	81	18.3	2.70	.54	76.0	34.2
09-24-2013 1152	81	18.3	2.70	2.16	76.0	34.2
09-24-2013 1153	81	18.3	3.05	.61	76.0	41.8
09-24-2013 1154	81	18.3	3.05	2.44	76.0	41.8
09-24-2013 1155	81	18.3	2.70	.54	76.0	49.4
09-24-2013 1156	80	18.3	2.70	2.16	76.0	49.4
09-24-2013 1157	80	18.3	2.35	1.41	76.0	57.0
09-24-2013 1158	80	18.4	1.58	.95	76.0	64.6
09-24-2013 1159	80	18.4	.76	.45	76.0	72.2

Note: Instantaneous discharge at mean time of cross-sectional measurements: Aug. 12, 308 ft<sup>3</sup>/s; Sept. 24, 298 ft<sup>3</sup>/s.