

Water-Data Report 2013

**11254000 San Joaquin River near Mendota, CA**

San Joaquin River Basin

LOCATION.--Lat 36°48'38", long 120°22'38" referenced to North American Datum of 1927, in SE ¼ SW ¼ sec.7, T.13 S., R.15 E., Fresno County, CA, Hydrologic Unit 18040001, 2.5 mi below Mendota Dam, and 3.5 mi north of Mendota.

DRAINAGE AREA.--3,940 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--October 1939 to September 1954, December 1999 to current year.

REVISED RECORDS.--WDR CA-00-3: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 138.8 ft above NGVD of 1929 (levels by U.S. Bureau of Reclamation). Prior to Nov. 3, 1947, at site 200 ft downstream. Prior to Nov. 4, 1953, at datum 2.00 ft higher.

REMARKS.--Records fair. All flow regulated by Mendota Dam. Water delivered to the Mendota Pool primarily by the Delta-Mendota Canal, at certain times Mendota Pool storage may be supplemented by inflow from the San Joaquin River and/or James Bypass (Fresno Slough). Many diversions above station for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,700 ft<sup>3</sup>/s, June 20, 1941, gage height, 13.75 ft, site and datum then in use, maximum gage height, 16.60 ft, Apr. 22, 2006; no flow at times during most years.

## 11254000 San Joaquin River near Mendota, 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	457	179	42	110	100	446	165	364	478	568	503	203
2	442	174	45	112	101	450	148	385	436	564	490	236
3	402	182	64	115	104	433	149	385	377	588	470	261
4	367	200	95	115	105	419	162	361	345	601	494	273
5	356	209	85	112	136	393	165	347	338	571	513	293
6	349	204	92	111	189	336	150	311	303	486	513	299
7	338	202	97	110	197	275	140	253	244	450	514	278
8	324	197	99	107	186	239	134	246	227	481	496	259
9	302	203	103	105	190	214	139	256	291	534	470	248
10	277	211	106	106	204	204	133	244	397	614	451	262
11	255	225	95	109	219	227	140	243	458	658	468	296
12	242	234	89	110	267	221	174	279	459	675	480	321
13	239	250	98	110	362	209	206	346	460	683	486	327
14	232	265	106	108	418	208	244	410	470	688	519	330
15	218	256	107	97	413	214	270	466	500	687	536	334
16	206	244	109	85	400	220	286	513	537	667	522	317
17	203	223	107	86	443	218	298	535	555	632	496	297
18	210	208	102	89	516	187	307	519	550	611	458	311
19	217	231	98	89	569	161	294	512	535	568	414	337
20	207	250	97	88	599	135	296	483	519	510	378	355
21	213	248	95	89	605	126	331	462	499	515	317	358
22	214	245	98	88	609	132	320	489	510	538	287	346
23	206	247	97	87	604	135	302	520	550	534	286	347
24	215	239	94	89	591	161	305	544	557	567	265	335
25	208	222	100	92	559	180	336	567	532	629	224	312
26	201	205	107	93	528	184	375	606	504	657	205	302
27	198	189	108	95	484	182	374	638	499	606	190	304
28	193	148	108	97	450	168	353	614	511	545	175	308
29	191	61	109	98	---	147	360	588	523	542	174	307
30	191	47	109	100	---	153	363	570	559	545	177	303
31	191	---	109	100	---	173	---	538	---	520	184	---
<b>Total</b>	8,064	6,198	2,970	3,102	10,148	7,150	7,419	13,594	13,723	18,034	12,155	9,059
<b>Mean</b>	260	207	95.8	100	362	231	247	439	457	582	392	302
<b>Max</b>	457	265	109	115	609	450	375	638	559	688	536	358
<b>Min</b>	191	47	42	85	100	126	133	243	227	450	174	203
<b>Ac-ft</b>	15,990	12,290	5,890	6,150	20,130	14,180	14,720	26,960	27,220	35,770	24,110	17,970

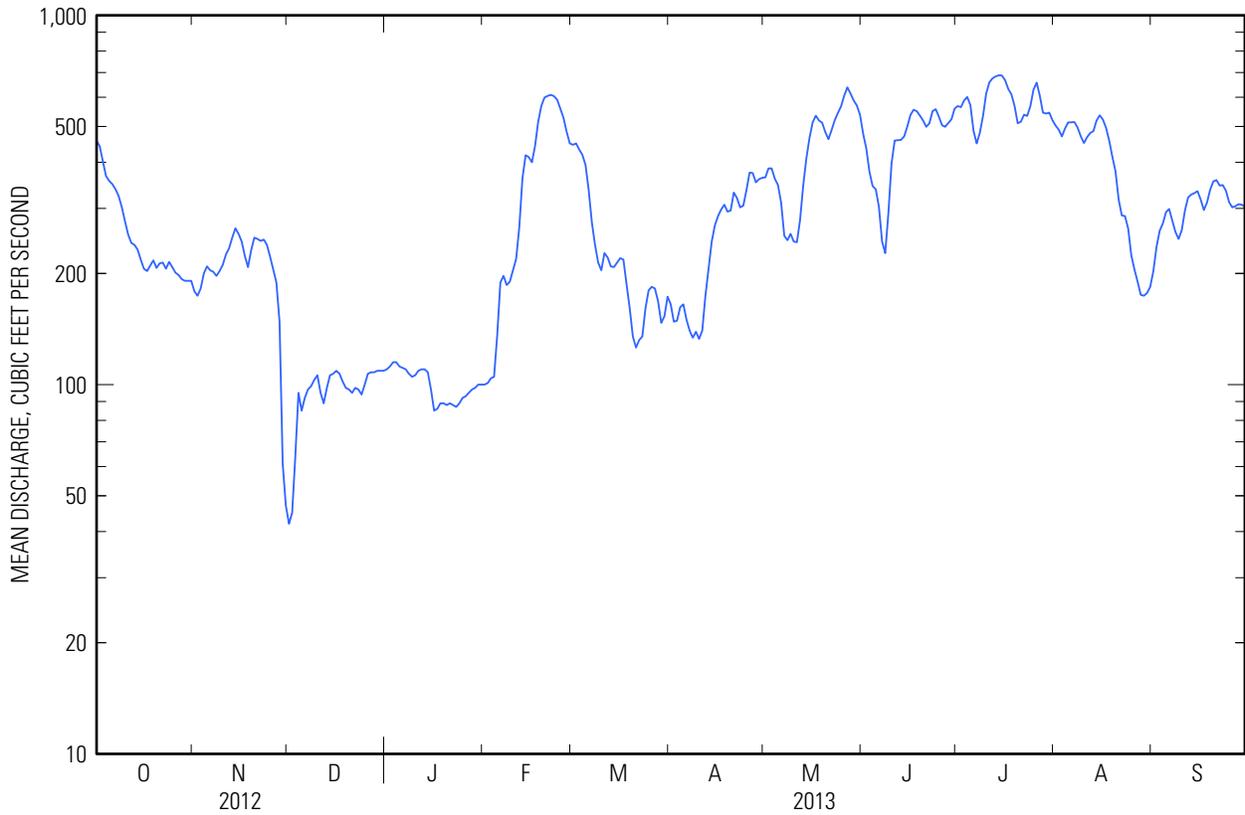
**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2013, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	215	250	424	751	1,097	1,008	1,321	1,739	1,728	700	368	252
<b>Max</b>	637	1,144	2,548	3,531	5,188	6,187	6,158	8,680	10,340	3,446	562	394
<b>(WY)</b>	(1946)	(1946)	(1951)	(1942)	(1941)	(1943)	(1952)	(1941)	(1941)	(1941)	(1945)	(1945)
<b>Min</b>	29.9	45.6	2.61	14.3	52.7	73.8	162	200	244	327	12.1	9.87
<b>(WY)</b>	(1941)	(1950)	(2004)	(2000)	(1950)	(1948)	(1948)	(1951)	(1948)	(1949)	(1940)	(1940)

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SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1940 - 2013	
<b>Annual total</b>	111,131.00		111,616			
<b>Annual mean</b>	304		306		837	
<b>Highest annual mean</b>					3,546	1941
<b>Lowest annual mean</b>					188	1950
<b>Highest daily mean</b>	700	Aug 17	688	Jul 14	11,700	Jun 20, 1941
<b>Lowest daily mean</b>	0.00	Jan 1	42	Dec 1	0.00	Dec 20, 1999
<b>Annual seven-day minimum</b>	0.00	Jan 1	63	Nov 29	0.00	Dec 24, 1999
<b>Maximum peak flow</b>			691	Jul 15	11,700	Jun 20, 1941
<b>Maximum peak stage</b>			5.85	Jul 15	16.60	Apr 22, 2006
<b>Annual runoff (ac-ft)</b>	220,400		221,400		606,100	
<b>10 percent exceeds</b>	569		550		2,520	
<b>50 percent exceeds</b>	262		265		296	
<b>90 percent exceeds</b>	95		100		82	



**11254000 San Joaquin River near Mendota, CA—Continued**

**WATER-QUALITY RECORDS**

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

SEDIMENT DATA: March 2010 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: January 2013 to September 2013.

WATER TEMPERATURE: January 2013 to September 2013.

INSTRUMENTATION.--Water-quality monitor since January 24, 2013.

REMARKS.--Sediment and water quality data collected for the San Joaquin River Restoration Project. Interruptions in record due to sensor fouling.

Specific conductance records rated excellent except for Mar. 1-9, Apr. 10-13, June 12-25, which are rated good; Mar. 10-16, Apr. 14-17, which are rated fair; and Mar. 17 to Apr. 5, Apr. 18-26, which are rated poor.

Water temperature records rated excellent.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum recorded, 725 microsiemens, Feb. 7; minimum recorded, 60 microsiemens, Apr. 9.

WATER TEMPERATURE: Maximum recorded, 29.0°C, July 5; minimum recorded, 8.7°C, Jan. 30.

11254000 San Joaquin River near Mendota, 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	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
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25	---	---	---	---	---	---	---	---	---	276	233	246
26	---	---	---	---	---	---	---	---	---	396	274	297
27	---	---	---	---	---	---	---	---	---	451	370	425
28	---	---	---	---	---	---	---	---	---	437	336	394
29	---	---	---	---	---	---	---	---	---	382	250	278
30	---	---	---	---	---	---	---	---	---	360	244	294
31	---	---	---	---	---	---	---	---	---	394	284	319
<b>Max</b>	---	---	---	---	---	---	---	---	---	---	---	---
<b>Min</b>	---	---	---	---	---	---	---	---	---	---	---	---

## 11254000 San Joaquin River near Mendota, CA—Continued

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

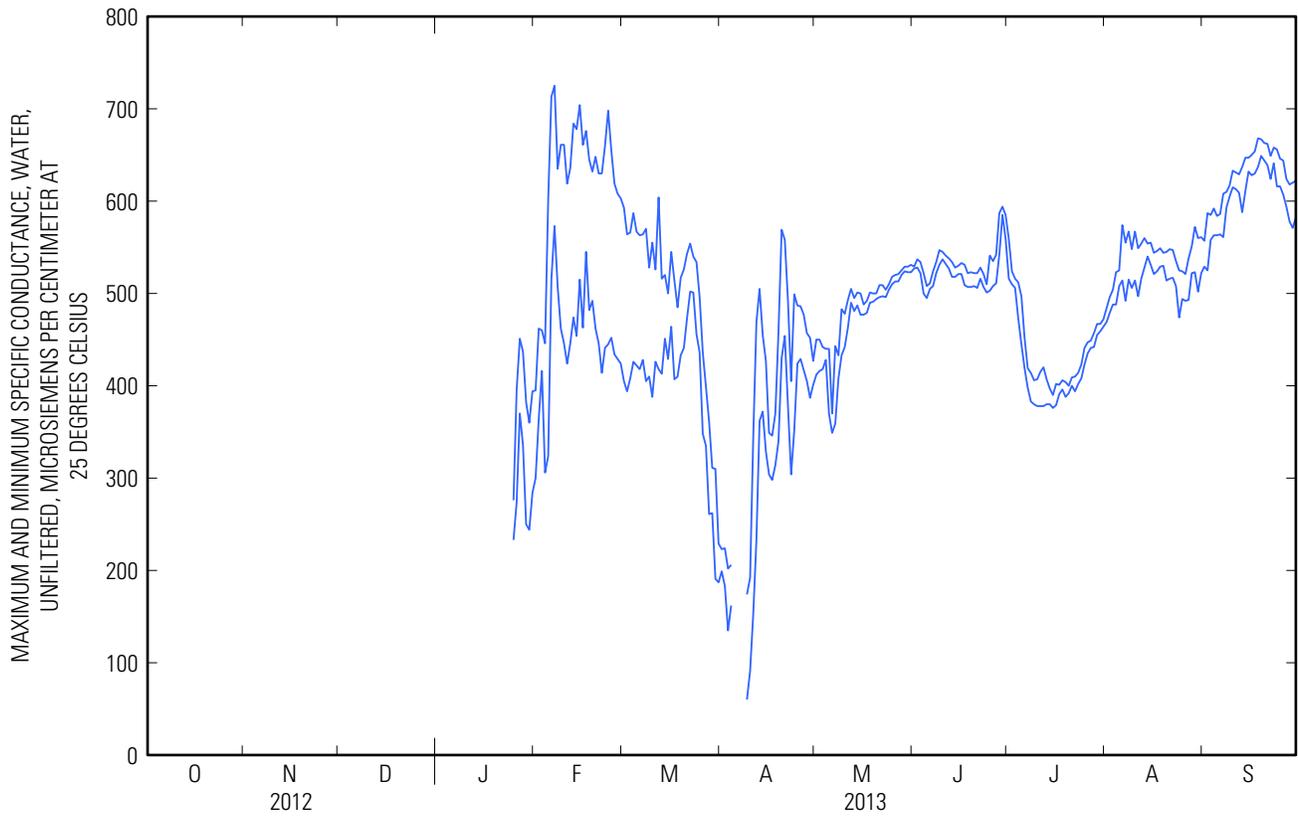
Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	February			March			April			May		
<b>1</b>	395	300	342	593	405	454	223	199	207	450	412	430
<b>2</b>	462	364	388	564	394	467	224	183	203	450	416	434
<b>3</b>	460	416	442	566	408	428	202	135	175	442	418	432
<b>4</b>	446	306	332	587	426	500	206	162	189	440	428	438
<b>5</b>	602	324	375	567	422	467	---	---	---	440	370	384
<b>6</b>	713	515	599	563	418	465	---	---	---	370	349	357
<b>7</b>	725	573	653	564	428	484	---	---	---	443	359	422
<b>8</b>	635	507	573	570	405	439	---	---	---	433	408	429
<b>9</b>	661	462	594	528	410	448	174	60	90	483	433	457
<b>10</b>	661	446	582	555	388	434	192	91	126	478	442	473
<b>11</b>	619	424	564	526	426	471	345	153	187	493	463	471
<b>12</b>	636	446	546	604	418	497	469	233	315	505	490	497
<b>13</b>	684	474	604	516	413	436	505	362	404	495	481	486
<b>14</b>	678	454	577	520	451	473	455	372	412	501	487	491
<b>15</b>	704	515	617	500	429	455	427	329	377	500	477	487
<b>16</b>	661	463	577	545	464	498	349	304	325	488	477	482
<b>17</b>	676	545	614	514	407	469	346	298	322	492	479	483
<b>18</b>	645	482	578	485	410	430	370	314	332	501	490	493
<b>19</b>	632	492	569	517	433	464	459	340	401	500	491	496
<b>20</b>	648	462	543	526	441	465	569	430	468	500	494	497
<b>21</b>	630	446	512	543	473	498	558	454	502	509	496	506
<b>22</b>	630	414	508	554	502	521	492	378	410	509	497	504
<b>23</b>	660	441	511	540	501	526	405	304	344	504	496	499
<b>24</b>	698	445	541	534	456	507	499	352	377	510	504	508
<b>25</b>	655	452	529	496	436	460	487	424	454	518	510	512
<b>26</b>	619	434	503	436	348	393	486	429	464	520	513	517
<b>27</b>	608	429	486	399	335	347	477	417	439	521	513	519
<b>28</b>	603	424	476	361	261	284	457	405	418	525	520	522
<b>29</b>	---	---	---	311	262	278	452	387	406	529	524	527
<b>30</b>	---	---	---	310	191	201	427	401	421	529	523	527
<b>31</b>	---	---	---	229	187	199	---	---	---	531	523	528
<b>Max</b>	725	573	653	604	502	526	---	---	---	531	524	528
<b>Min</b>	395	300	332	229	187	199	---	---	---	370	349	357

## 11254000 San Joaquin River near Mendota, 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	529	527	528	559	516	528	484	469	479	557	529	546
2	537	528	535	524	510	517	496	479	486	587	525	575
3	534	522	532	516	506	512	504	488	494	585	558	574
4	522	500	519	512	473	499	523	488	501	592	563	575
5	508	495	505	497	445	464	525	508	516	584	563	573
6	511	505	508	452	419	431	574	514	534	586	564	578
7	524	508	520	419	398	410	555	492	516	608	561	584
8	534	522	524	414	383	393	567	515	537	610	593	604
9	547	531	533	406	380	395	548	506	524	617	605	610
10	545	537	540	407	378	389	567	514	526	633	615	621
11	541	532	535	415	378	386	549	497	526	631	613	627
12	538	527	531	420	378	394	554	516	536	629	609	620
13	534	518	531	407	380	388	560	528	548	637	588	614
14	528	518	521	397	380	388	554	540	549	647	611	632
15	530	521	526	390	376	385	555	531	545	647	632	640
16	533	521	530	402	379	385	544	521	538	650	628	644
17	531	509	522	401	391	397	546	524	533	654	630	643
18	522	507	512	406	396	399	549	529	536	668	637	649
19	523	507	518	404	388	394	544	530	539	667	649	661
20	522	508	513	400	392	395	545	514	529	663	644	654
21	522	506	517	409	400	404	548	516	526	662	639	651
22	528	516	522	410	394	400	547	517	528	649	624	638
23	521	507	514	414	402	409	535	508	517	658	641	652
24	510	501	504	423	408	416	525	474	509	656	616	654
25	541	503	506	441	423	431	524	494	507	646	616	636
26	535	508	517	447	435	441	521	492	512	644	607	620
27	542	511	526	449	441	446	538	493	532	624	594	619
28	587	542	571	457	442	448	551	522	540	618	578	606
29	594	585	589	467	455	459	572	523	544	620	571	597
30	585	559	580	467	459	464	560	502	537	622	582	601
31	---	---	---	472	464	467	561	522	540	---	---	---
<b>Max</b>	594	585	589	559	516	528	574	540	549	668	649	661
<b>Min</b>	508	495	504	390	376	385	484	469	479	557	525	546

11254000 San Joaquin River near Mendota, CA—Continued



11254000 San Joaquin River near Mendota, 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	---	---	---	---	---	---	---	---	---	---	---	---
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24	---	---	---	---	---	---	---	---	---	10.0	---	---
25	---	---	---	---	---	---	---	---	---	10.7	9.4	10.1
26	---	---	---	---	---	---	---	---	---	12.3	10.3	10.8
27	---	---	---	---	---	---	---	---	---	11.8	9.5	10.2
28	---	---	---	---	---	---	---	---	---	11.4	8.8	9.6
29	---	---	---	---	---	---	---	---	---	11.3	9.0	9.6
30	---	---	---	---	---	---	---	---	---	11.6	8.7	9.9
31	---	---	---	---	---	---	---	---	---	11.9	9.1	10.1
<b>Max</b>	---	---	---	---	---	---	---	---	---	---	---	---
<b>Min</b>	---	---	---	---	---	---	---	---	---	---	---	---

## 11254000 San Joaquin River near Mendota, CA—Continued

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

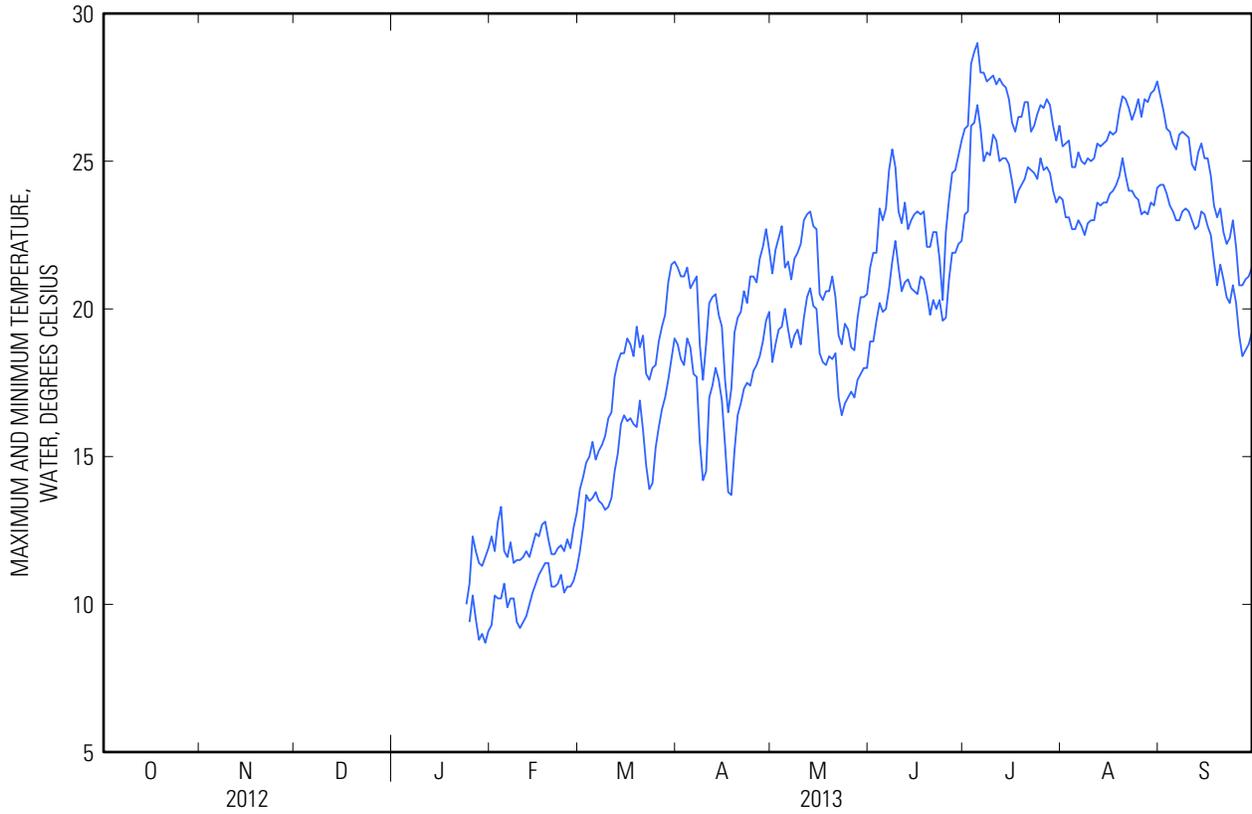
Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	February			March			April			May		
<b>1</b>	12.3	9.3	10.6	13.9	11.8	13.0	21.4	18.8	19.4	21.2	18.2	19.9
<b>2</b>	11.8	10.3	10.9	14.3	12.6	13.6	21.1	18.3	19.1	22.0	18.8	20.4
<b>3</b>	12.8	10.2	10.9	14.8	13.7	14.0	21.1	18.1	19.4	22.4	19.3	20.7
<b>4</b>	13.3	10.2	11.5	15.0	13.5	14.3	21.4	19.0	19.6	22.8	19.4	20.9
<b>5</b>	11.8	10.7	11.2	15.5	13.6	14.6	20.7	18.7	19.3	21.4	20.0	20.8
<b>6</b>	11.6	9.9	10.6	14.9	13.8	14.3	20.9	17.8	18.7	21.6	19.3	20.2
<b>7</b>	12.1	10.2	11.0	15.2	13.5	14.1	21.1	17.7	18.6	21.0	18.7	19.7
<b>8</b>	11.4	10.2	10.7	15.4	13.4	14.0	18.8	15.5	17.4	21.7	19.1	19.9
<b>9</b>	11.5	9.4	10.2	15.7	13.2	14.2	17.6	14.2	15.4	21.9	19.3	20.2
<b>10</b>	11.5	9.2	10.3	16.3	13.3	14.7	18.8	14.5	16.3	22.2	18.8	20.6
<b>11</b>	11.6	9.4	10.4	16.5	13.6	14.8	20.2	17.0	18.1	23.0	19.7	21.4
<b>12</b>	11.8	9.6	10.6	17.7	14.5	15.7	20.4	17.4	18.9	23.2	20.4	21.6
<b>13</b>	11.6	10.0	10.8	18.2	15.1	16.4	20.5	18.0	19.0	23.3	20.7	21.6
<b>14</b>	12.0	10.4	11.0	18.5	16.1	17.3	19.8	17.6	18.5	22.8	20.1	21.1
<b>15</b>	12.4	10.7	11.5	18.5	16.4	17.5	19.4	16.9	17.7	22.7	20.0	20.8
<b>16</b>	12.3	11.0	11.6	19.0	16.2	17.3	17.6	15.4	16.3	20.5	18.5	19.1
<b>17</b>	12.7	11.2	12.0	18.8	16.3	17.2	16.5	13.8	15.2	20.3	18.2	18.9
<b>18</b>	12.8	11.4	12.1	18.4	16.1	16.9	17.3	13.7	15.3	20.6	18.1	19.1
<b>19</b>	12.2	11.4	11.8	19.4	16.0	17.2	19.2	15.2	17.0	20.6	18.4	19.3
<b>20</b>	11.7	10.6	11.3	18.7	16.9	17.3	19.7	16.4	18.0	21.1	18.3	19.5
<b>21</b>	11.7	10.6	11.3	19.1	15.9	16.6	19.9	16.8	18.3	20.4	18.5	19.3
<b>22</b>	11.9	10.7	11.4	17.8	14.7	15.6	20.6	17.3	19.0	19.1	17.0	18.1
<b>23</b>	12.0	11.0	11.4	17.6	13.9	15.0	20.2	17.5	18.8	18.8	16.4	17.7
<b>24</b>	11.8	10.4	11.2	18.0	14.1	15.9	21.1	17.4	19.1	19.5	16.8	17.8
<b>25</b>	12.2	10.6	11.3	18.1	15.3	16.7	21.1	17.9	19.5	19.3	17.0	18.1
<b>26</b>	11.9	10.6	11.4	18.9	16.0	17.3	20.9	18.1	19.5	18.7	17.2	17.9
<b>27</b>	12.6	10.8	11.8	19.4	16.6	17.7	21.7	18.4	20.0	18.6	17.0	17.9
<b>28</b>	13.1	11.2	12.3	19.8	17.0	18.2	22.1	18.9	20.6	19.7	17.6	18.6
<b>29</b>	---	---	---	20.9	17.6	18.8	22.7	19.6	21.1	20.4	17.8	18.9
<b>30</b>	---	---	---	21.5	18.3	19.5	22.0	19.9	20.8	20.4	18.0	19.0
<b>31</b>	---	---	---	21.6	19.0	19.7	---	---	---	20.5	18.0	19.5
<b>Max</b>	13.3	11.4	12.3	21.6	19.0	19.7	22.7	19.9	21.1	23.3	20.7	21.6
<b>Min</b>	11.4	9.2	10.2	13.9	11.8	13.0	16.5	13.7	15.2	18.6	16.4	17.7

## 11254000 San Joaquin River near Mendota, 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		
<b>1</b>	21.4	18.9	20.0	26.1	23.2	24.6	25.5	23.7	24.6	27.2	24.2	25.3
<b>2</b>	21.9	18.9	20.0	26.2	23.3	25.0	25.6	23.1	24.4	26.7	24.2	25.0
<b>3</b>	21.9	19.6	20.7	28.3	26.2	27.1	25.7	23.1	24.2	26.1	23.9	24.7
<b>4</b>	23.4	20.2	21.1	28.7	26.3	27.7	24.8	22.7	23.8	26.0	23.5	24.4
<b>5</b>	23.0	19.9	21.2	29.0	26.9	27.8	24.8	22.7	23.7	25.6	23.3	24.1
<b>6</b>	23.4	20.0	21.8	28.0	26.1	26.9	25.3	23.0	23.9	25.4	23.0	23.9
<b>7</b>	24.7	20.7	22.4	28.0	25.0	26.3	25.0	22.8	23.9	25.9	23.0	24.2
<b>8</b>	25.4	21.6	23.4	27.7	25.3	26.6	24.9	22.5	23.7	26.0	23.3	24.4
<b>9</b>	24.8	22.3	23.1	27.8	25.2	26.4	25.1	22.9	23.9	25.9	23.4	24.3
<b>10</b>	23.3	21.4	22.2	27.9	25.9	26.9	25.0	23.0	23.9	25.8	23.3	24.1
<b>11</b>	22.9	20.6	21.7	27.6	25.7	26.4	25.1	23.0	24.0	24.9	23.0	23.7
<b>12</b>	23.6	20.9	22.2	27.8	25.0	26.0	25.6	23.6	24.3	24.7	22.7	23.5
<b>13</b>	22.7	21.0	21.9	27.6	25.1	26.0	25.5	23.5	24.3	25.3	22.8	24.0
<b>14</b>	23.0	20.7	21.9	27.5	25.1	26.1	25.6	23.6	24.5	25.6	23.3	24.2
<b>15</b>	23.2	20.6	21.8	27.1	24.9	25.9	25.7	23.6	24.6	25.1	23.2	23.9
<b>16</b>	23.3	20.5	21.9	26.3	24.3	25.2	26.0	23.9	24.8	25.1	22.8	23.6
<b>17</b>	23.2	21.1	22.0	26.0	23.6	24.7	25.9	24.0	24.9	24.5	22.5	23.2
<b>18</b>	23.3	21.0	21.8	26.5	24.0	25.3	26.0	24.2	24.8	23.5	21.6	22.3
<b>19</b>	22.1	20.5	21.0	26.5	24.2	25.3	26.7	24.5	25.5	23.1	20.8	21.9
<b>20</b>	22.1	19.8	20.9	27.0	24.4	25.6	27.2	25.1	25.8	23.4	21.5	22.0
<b>21</b>	22.6	20.3	21.0	27.0	24.8	25.8	27.1	24.5	25.4	22.6	21.0	21.5
<b>22</b>	22.6	20.0	21.4	26.0	24.7	25.5	26.8	24.0	25.0	22.2	20.4	21.0
<b>23</b>	21.7	20.3	21.0	26.2	24.6	25.4	26.4	24.0	24.8	22.4	20.2	21.2
<b>24</b>	20.3	19.6	20.1	26.6	24.4	25.4	26.7	23.8	24.6	23.0	20.8	21.4
<b>25</b>	22.6	19.7	21.4	26.9	25.1	25.9	27.1	23.7	24.6	22.1	20.2	20.9
<b>26</b>	23.7	21.0	22.4	26.8	24.7	25.8	26.5	23.2	24.3	20.8	19.1	19.9
<b>27</b>	24.6	21.9	23.1	27.1	24.8	25.8	27.1	23.3	24.5	20.8	18.4	19.5
<b>28</b>	24.7	21.9	23.3	26.9	24.6	25.6	27.0	23.2	24.6	21.0	18.6	19.5
<b>29</b>	25.2	22.2	23.9	26.2	24.0	25.1	27.3	23.6	24.7	21.1	18.8	19.8
<b>30</b>	25.7	22.3	24.3	25.7	23.6	24.8	27.4	23.5	24.9	21.4	19.2	20.2
<b>31</b>	---	---	---	26.2	23.8	24.8	27.7	24.1	25.3	---	---	---
<b>Max</b>	25.7	22.3	24.3	29.0	26.9	27.8	27.7	25.1	25.8	27.2	24.2	25.3
<b>Min</b>	20.3	18.9	20.0	25.7	23.2	24.6	24.8	22.5	23.7	20.8	18.4	19.5

11254000 San Joaquin River near Mendota, CA—Continued



**PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT  
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

[ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter; mm, millimeters; °C, degrees Celsius; A, average]

Sample date-time	Discharge, instantaneous, ft <sup>3</sup> /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 1550	238	20.3	17	11	96
05-07-2013 1551	238	20.3	A 17	A 11	A 96
05-07-2013 1552	238	20.3	18	12	96

## 11254000 San Joaquin River near Mendota, CA—Continued

**PARTICLE-SIZE DISTRIBUTION OF BED MATERIAL  
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

Part 1 of 2

[ft<sup>3</sup>/s, cubic feet per second; mm, millimeters; °C, degrees Celsius; <, less than]

Sample date-time	Number of sampling points, count (00063)	Discharge, instanta- neous, ft <sup>3</sup> /s (00061)	Tempera- ture, water, °C (00010)	Bed	Bed	Bed	Bed	Bed	Bed
				sediment, dry sieved, sieve diameter, percent smaller than 0.0625 mm (80164)	sediment, dry sieved, sieve diameter, percent smaller than 0.125 mm (80165)	sediment, dry sieved, sieve diameter, percent smaller than 0.25 mm (80166)	sediment, dry sieved, sieve diameter, percent smaller than 0.5 mm (80167)	sediment, dry sieved, sieve diameter, percent smaller than 1 mm (80168)	sediment, dry sieved, sieve diameter, percent smaller than 2 mm (80169)
05-07-2013 1630	1	238	20.3	< 1	< 1	9	31	70	95
05-07-2013 1632	1	238	20.3	2	5	15	43	68	84
05-07-2013 1634	1	238	20.3	5	12	24	68	72	89
05-07-2013 1636	1	238	20.3	2	5	16	44	73	88
05-07-2013 1638	1	238	20.3	2	5	17	40	66	84

**PARTICLE-SIZE DISTRIBUTION OF BED MATERIAL  
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

Part 2 of 2

[ft<sup>3</sup>/s, cubic feet per second; mm, millimeters; °C, degrees Celsius; <, less than]

Sample date-time	Bed	Bed	Bed
	sediment, dry sieved, sieve diameter, percent smaller than 4 mm (80170)	sediment, dry sieved, sieve diameter, percent smaller than 8 mm (80171)	sediment, dry sieved, sieve diameter, percent smaller than 16 mm (80172)
05-07-2013 1630	97	98	100
05-07-2013 1632	90	94	100
05-07-2013 1634	93	97	100
05-07-2013 1636	94	98	100
05-07-2013 1638	93	99	100

## 11254000 San Joaquin River near Mendota, 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, water, unfiltered, 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)
01-24-2013 1205	274	9.4	1.05	0.54	103	3.00
01-24-2013 1206	274	9.4	3.05	1.52	103	11.0
01-24-2013 1207	274	9.4	2.32	1.16	103	19.0
01-24-2013 1208	274	9.4	2.42	1.21	103	27.0
01-24-2013 1209	274	9.4	2.81	1.40	103	35.0
01-24-2013 1210	274	9.4	1.99	1.00	103	43.0
01-24-2013 1211	274	9.4	1.06	.53	103	51.0
01-24-2013 1212	273	9.4	.63	.32	103	59.0
01-24-2013 1213	273	9.4	.49	.25	103	67.0
01-24-2013 1214	273	9.4	.48	.24	103	75.0
01-24-2013 1215	273	9.4	.54	.27	103	83.0
01-24-2013 1216	273	9.4	1.20	.60	103	91.0
01-24-2013 1217	273	9.5	1.00	.50	103	99.0
08-06-2013 1200	535	24.0	3.15	1.58	121	11.0
08-06-2013 1201	535	24.0	3.48	1.74	121	22.0
08-06-2013 1202	536	24.1	3.55	1.78	121	33.0
08-06-2013 1203	536	24.1	3.80	1.90	121	44.0
08-06-2013 1204	537	24.1	3.20	1.60	121	55.0
08-06-2013 1205	537	24.1	3.00	1.50	121	66.0
08-06-2013 1206	537	24.1	3.15	1.58	121	77.0
08-06-2013 1207	537	24.1	3.10	1.55	121	88.0
08-06-2013 1208	536	24.1	2.71	1.36	121	99.0
08-06-2013 1209	535	24.1	2.03	1.02	121	110

Note: Instantaneous discharge at the mean time of cross-sectional measurements: Jan. 24, 88.2 ft<sup>3</sup>/s; Aug. 6, 513 ft<sup>3</sup>/s.