



Water-Data Report 2007

11046252 San Onofre Creek Lagoon at Mouth, near San Clemente, CA

San Onofre Creek Basin

LOCATION.--Lat 33°22'53", long 117°34'43" referenced to North American Datum of 1983, in NW ¼ NE ¼ sec.23, T.9 S., R.7 W., San Diego County, CA, Hydrologic Unit 18070301, at mouth of San Onofre Creek, at the Pacific Ocean near San Clemente, and 0.5 mi downstream from San Onofre Creek at San Onofre (station 11046250).

DRAINAGE AREA.--42.4 mi².

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 2003 to current year.

CHEMICAL DATA: Water years 2005 to current year.

PERIOD OF DAILY RECORD.--

DISSOLVED OXYGEN: June 2003 to current year.

pH: June 2003 to current year.

SPECIFIC CONDUCTANCE: June 2003 to current year.

WATER TEMPERATURE: June 2003 to current year.

INSTRUMENTATION.--Water-quality monitor since June 2003.

REMARKS.--Interruption of records at times due to malfunction of recording equipment.

Dissolved oxygen records rated poor.

pH records rated fair.

Specific conductance records rated good.

Water temperature records rated good.

EXTREMES FOR PERIOD OF DAILY RECORD.--

DISSOLVED OXYGEN: Maximum recorded, 19.2 mg/L, June 22, 2006; minimum recorded, <0.2 mg/L, Mar. 6, 7, 2004.

pH: Maximum recorded, 9.0 standard units, July 6-11, 2006; minimum recorded, 6.5 standard units, May 8-10, June 8, 9, 2004.

SPECIFIC CONDUCTANCE: Maximum recorded, 51,700 microsiemens, Dec. 13, 2004; minimum recorded, 266 microsiemens, Feb. 21, 2005.

WATER TEMPERATURE: Maximum recorded, 33.0°C, July 27, 2005; minimum recorded, 6.6°C, Jan. 16, 2007.

EXTREMES FOR CURRENT YEAR.--

DISSOLVED OXYGEN: Maximum recorded, 15.9 mg/L, April 3; minimum recorded, 1.4 mg/L, Sept. 28.

pH: Maximum recorded, 8.4 standard units, several days; minimum recorded, 7.1 standard units, Oct. 3, 4, 11.

SPECIFIC CONDUCTANCE: Maximum recorded, 1,270 microsiemens, April 4 minimum recorded, 907 microsiemens, Sept. 27.

WATER TEMPERATURE: Maximum recorded, 28.6°C, Aug. 16; minimum recorded, 6.6°C, Jan. 16.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Part 1 of 3

[Remark codes: <, less than; E, estimated.]

Date	Time	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd std units (00400)	Specific conductance, wat unf μS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium fraction of cations percent (00932)
Apr 03...	1040	760	12.8	140	7.8	1,260	19.5	260	59.1	27.9	4.97	4.5	58
Jul 31...	1020	760	6.7	79	7.8	1,070	23.5	260	61.3	25.7	3.38	3.1	49

11046252 San Onofre Creek Lagoon at Mouth, near San Clemente, CA—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 2 of 3

[Remark codes: <, less than; E, estimated.]

Date	Sodium, water, fltrd, mg/L (00930)	Alka- linity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicar- bonate, wat flt incrm. titr., field, mg/L (00453)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti- tuents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water fltrd, mg/L as N (00631)
Apr 03...	167	268	327	168	.43	19.6	118	727	1.02	753	.29	<.020	<.06
Jul 31...	114	216	263	128	.42	21.5	112	597	.83	611	.22	<.020	<.06

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 3 of 3

[Remark codes: <, less than; E, estimated.]

Date	Nitrite water, fltrd, mg/L as N (00613)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L (00666)	Boron, water, fltrd, µg/L (01020)	Iron, water, fltrd, µg/L (01046)	Mangan- ese, water, fltrd, µg/L (01056)
Apr 03...	<.002	.010	<.04	237	13	130
Jul 31...	E.001	.007	<.04	222	12	19.9

11046252 San Onofre Creek Lagoon at Mouth, near San Clemente, CA—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

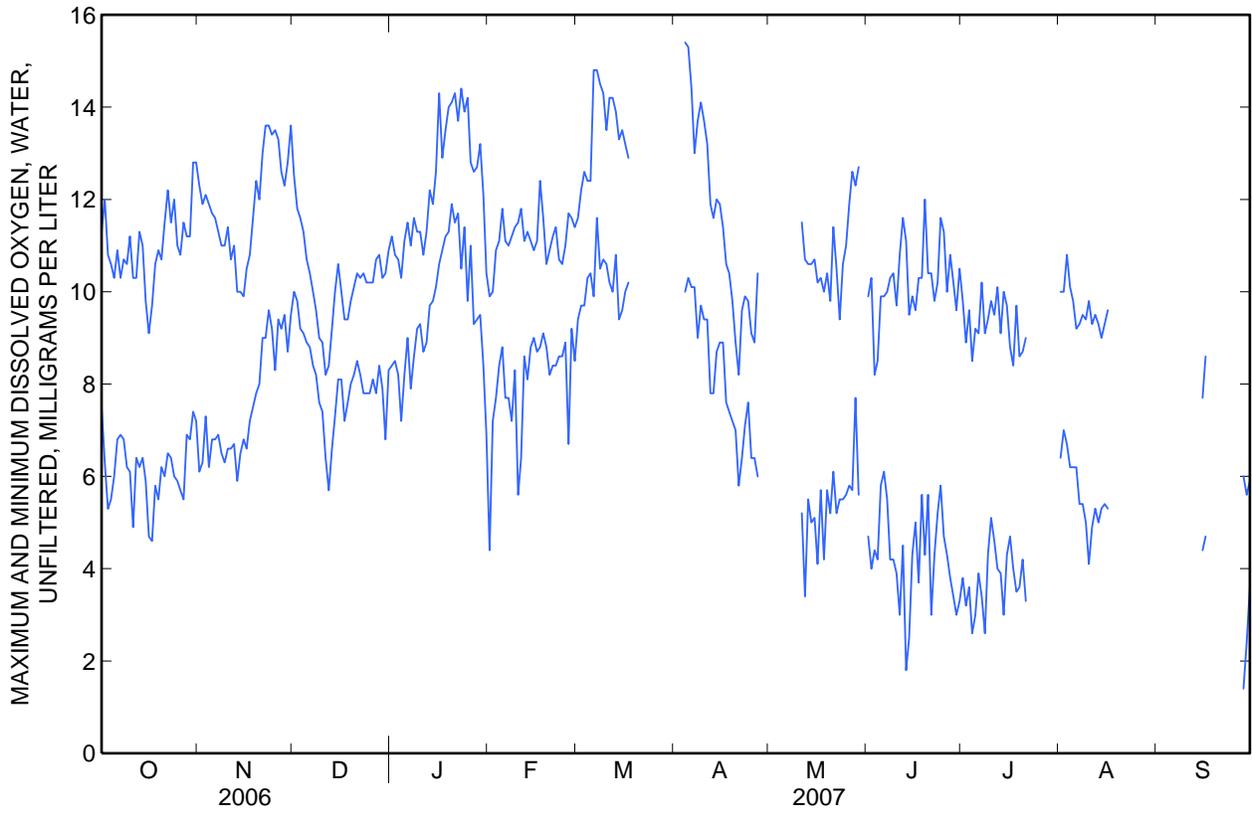
Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	11.3	7.5	12.3	6.1	12.5	10.0	11.2	8.4	9.9	4.4	11.6	9.4
2	12.0	6.3	11.9	6.3	11.8	9.8	10.8	8.5	10.0	7.2	12.2	9.7
3	10.8	5.3	12.1	7.3	11.6	9.2	10.7	8.2	10.9	7.7	12.6	9.7
4	10.6	5.5	11.9	6.2	11.3	9.1	10.3	7.2	11.1	8.4	12.4	10.3
5	10.3	6.0	11.7	6.8	10.7	8.9	11.1	8.2	11.8	8.8	12.4	10.4
6	10.9	6.8	11.6	6.8	10.4	8.8	11.5	9.0	11.1	7.7	14.8	9.9
7	10.3	6.9	11.3	6.9	10.0	8.4	11.0	7.9	11.0	7.7	14.8	11.6
8	10.7	6.8	11.0	6.5	9.6	8.2	11.6	8.6	11.2	7.2	14.5	10.5
9	10.6	6.2	11.0	6.3	9.0	7.6	11.3	9.2	11.4	8.3	14.3	10.7
10	11.2	6.1	11.4	6.6	8.9	7.4	11.3	9.3	11.5	5.6	13.5	10.6
11	10.3	4.9	10.7	6.6	8.2	6.4	10.8	8.7	11.8	6.4	14.2	10.2
12	10.3	6.4	11.0	6.7	8.4	5.7	11.3	8.9	11.1	8.6	14.2	10.0
13	11.3	6.2	10.0	5.9	9.2	6.6	12.2	9.7	11.3	8.1	13.9	10.8
14	11.0	6.4	10.0	6.5	10.0	7.3	11.9	9.8	11.1	8.8	13.3	9.4
15	9.8	5.9	9.9	6.8	10.6	8.1	12.6	10.1	10.9	9.0	13.5	9.6
16	9.1	4.7	10.5	6.6	10.0	8.1	14.3	10.6	11.1	8.7	13.2	10.0
17	9.7	4.6	10.8	7.2	9.4	7.2	12.9	10.9	12.4	8.8	12.9	10.2
18	10.6	5.8	11.6	7.5	9.4	7.6	13.5	11.2	11.6	9.1	---	---
19	10.9	5.5	12.4	7.8	9.8	8.0	14.0	11.3	10.6	8.8	---	---
20	10.7	6.2	12.0	8.0	10.1	8.2	14.1	11.9	10.9	8.2	---	---
21	11.5	6.0	13.0	9.0	10.4	8.5	14.3	11.5	11.2	8.4	---	---
22	12.2	6.5	13.6	9.0	10.3	8.2	13.7	11.7	11.4	8.4	---	---
23	11.5	6.4	13.6	9.6	10.4	7.8	14.4	10.5	10.7	8.6	---	---
24	12.0	6.0	13.4	9.2	10.2	7.8	13.9	11.4	10.6	8.6	---	---
25	11.0	5.9	13.5	8.3	10.2	7.8	14.2	9.8	11.0	8.9	---	---
26	10.8	5.7	13.3	9.4	10.2	8.1	12.8	11.0	11.7	6.7	---	---
27	11.5	5.5	12.6	9.2	10.7	7.8	12.6	9.3	11.6	9.2	---	---
28	11.2	6.9	12.3	9.5	10.8	8.4	12.7	9.4	11.4	8.5	---	---
29	11.2	6.8	12.8	8.7	10.3	7.9	13.2	9.5	---	---	---	---
30	12.8	7.4	13.6	9.5	10.4	6.8	12.1	8.4	---	---	---	---
31	12.8	7.2	---	---	10.9	8.3	10.4	6.9	---	---	---	---
Month	12.8	4.6	13.6	5.9	12.5	5.7	14.4	6.9	12.4	4.4	---	---

11046252 San Onofre Creek Lagoon at Mouth, near San Clemente, CA—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	April		May		June		July		August		September	
1	---	---	---	---	9.9	4.7	9.8	3.8	10.0	6.4	---	---
2	---	---	---	---	10.3	4.0	8.9	3.2	10.0	7.0	---	---
3	---	---	---	---	8.2	4.4	9.6	3.6	10.8	6.7	---	---
4	15.4	10.0	---	---	8.5	4.2	8.5	2.6	10.1	6.2	---	---
5	15.3	10.3	---	---	9.9	5.8	9.2	3.0	9.8	6.2	---	---
6	14.4	10.1	---	---	9.9	6.1	9.1	3.9	9.2	6.2	---	---
7	13.0	10.1	---	---	10.0	5.5	10.2	3.4	9.3	5.4	---	---
8	13.7	9.0	---	---	10.3	4.2	9.1	2.6	9.5	5.4	---	---
9	14.1	9.7	---	---	10.4	4.2	9.4	4.3	9.4	5.0	---	---
10	13.7	9.4	---	---	9.7	3.9	9.8	5.1	9.8	4.1	---	---
11	13.2	9.4	11.5	5.2	10.8	3.0	9.5	4.6	9.3	4.9	---	---
12	11.9	7.8	10.7	3.4	11.6	4.5	10.1	4.0	9.5	5.3	---	---
13	11.6	7.8	10.6	5.5	11.1	1.8	9.1	3.9	9.3	5.0	---	---
14	12.0	8.7	10.6	5.0	9.5	2.5	10.0	3.0	9.0	5.3	---	---
15	11.9	8.9	10.7	5.1	9.9	4.3	9.7	4.3	9.3	5.4	7.7	4.4
16	11.4	8.9	10.2	4.1	9.6	5.0	8.8	4.7	9.6	5.3	8.6	4.7
17	10.6	7.6	10.3	5.7	10.3	3.7	8.4	4.0	---	---	---	---
18	10.4	7.4	10.0	4.2	10.3	5.6	9.7	3.5	---	---	---	---
19	9.8	7.2	10.4	5.7	12.0	4.3	8.6	3.6	---	---	---	---
20	8.9	7.0	9.8	5.2	10.4	5.6	8.7	4.2	---	---	---	---
21	8.2	5.8	11.4	6.1	10.4	3.0	9.0	3.3	---	---	---	---
22	9.6	6.4	10.5	5.2	9.8	4.3	---	---	---	---	---	---
23	9.9	7.1	9.4	5.5	10.2	5.2	---	---	---	---	---	---
24	9.8	7.6	10.6	5.5	11.6	5.8	---	---	---	---	---	---
25	9.1	6.4	11.0	5.6	11.3	4.7	---	---	---	---	---	---
26	8.9	6.4	11.9	5.8	10.0	4.3	---	---	---	---	---	---
27	10.4	6.0	12.6	5.7	10.8	3.8	---	---	---	---	---	---
28	---	---	12.3	7.7	10.2	3.4	---	---	---	---	6.0	1.4
29	---	---	12.7	5.6	9.6	3.0	---	---	---	---	5.6	2.4
30	---	---	---	---	10.5	3.3	---	---	---	---	5.9	3.6
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	12.0	1.8	---	---	---	---	---	---

11046252 San Onofre Creek Lagoon at Mouth, near San Clemente, CA—Continued



11046252 San Onofre Creek Lagoon at Mouth, near San Clemente, CA—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

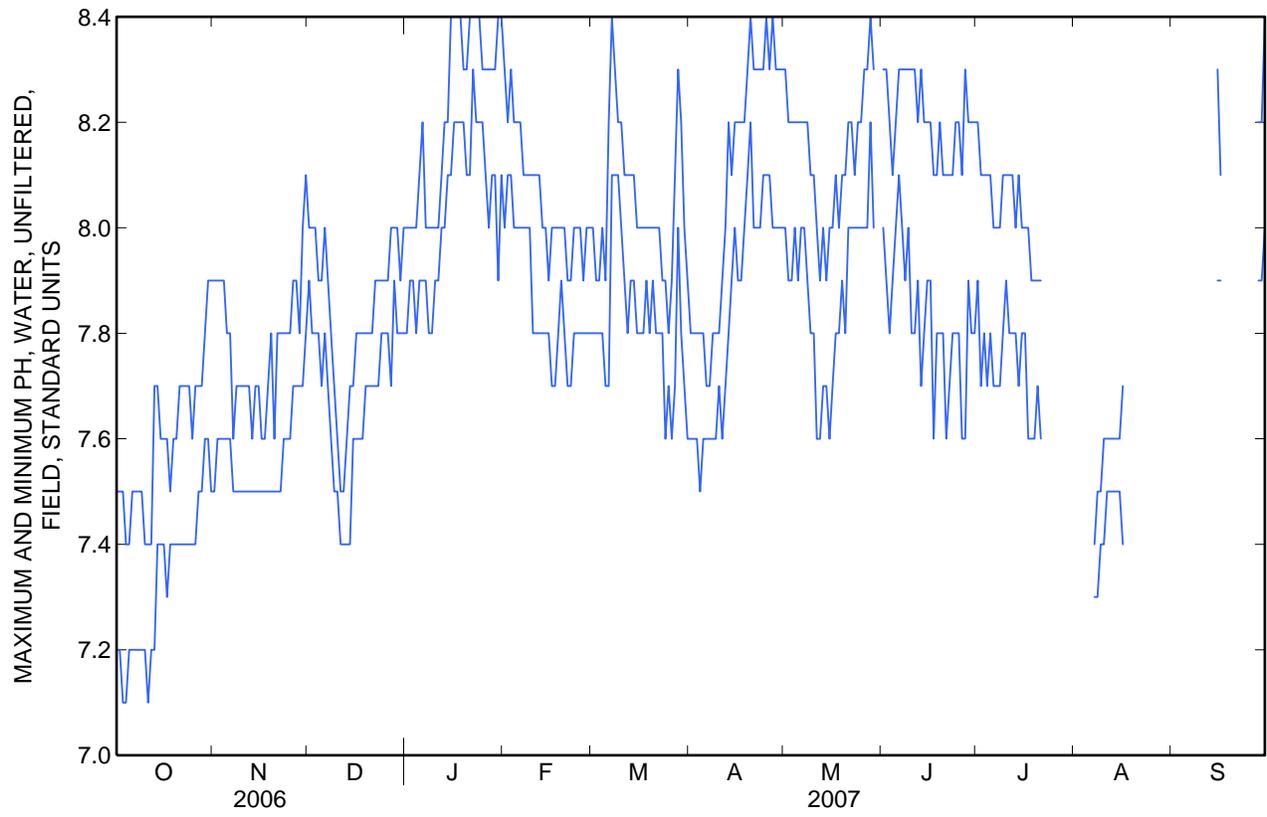
Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	7.5	7.2	7.9	7.5	8.0	7.9	8.0	7.8	8.3	8.0	8.0	7.8
2	7.5	7.2	7.9	7.6	8.0	7.8	8.0	7.9	8.2	8.1	7.9	7.8
3	7.5	7.1	7.9	7.6	8.0	7.8	8.0	7.9	8.3	8.1	7.9	7.8
4	7.4	7.1	7.9	7.6	7.9	7.8	8.0	7.8	8.2	8.0	8.0	7.8
5	7.4	7.2	7.8	7.6	7.9	7.7	8.1	7.9	8.2	8.0	7.9	7.7
6	7.5	7.2	7.8	7.6	8.0	7.8	8.2	7.9	8.2	8.0	8.2	7.7
7	7.5	7.2	7.6	7.5	7.9	7.7	8.0	7.9	8.1	8.0	8.4	8.1
8	7.5	7.2	7.7	7.5	7.8	7.6	8.0	7.8	8.1	8.0	8.3	8.1
9	7.5	7.2	7.7	7.5	7.7	7.5	8.0	7.8	8.1	8.0	8.2	8.1
10	7.4	7.2	7.7	7.5	7.6	7.5	8.0	7.9	8.1	7.8	8.2	8.0
11	7.4	7.1	7.7	7.5	7.5	7.4	8.0	7.9	8.1	7.8	8.1	7.9
12	7.4	7.2	7.7	7.5	7.5	7.4	8.1	8.0	8.1	7.8	8.1	7.8
13	7.7	7.2	7.6	7.5	7.6	7.4	8.2	8.0	8.0	7.8	8.1	7.9
14	7.7	7.4	7.7	7.5	7.7	7.4	8.2	8.1	8.0	7.8	8.1	7.9
15	7.6	7.4	7.7	7.5	7.7	7.6	8.4	8.1	7.9	7.8	8.0	7.8
16	7.6	7.4	7.6	7.5	7.8	7.6	8.4	8.2	8.0	7.7	8.0	7.8
17	7.6	7.3	7.6	7.5	7.8	7.6	8.4	8.2	8.0	7.7	8.0	7.8
18	7.5	7.4	7.7	7.5	7.8	7.6	8.4	8.2	8.0	7.8	8.0	7.9
19	7.6	7.4	7.8	7.5	7.8	7.7	8.3	8.2	8.0	7.9	8.0	7.8
20	7.6	7.4	7.6	7.5	7.8	7.7	8.3	8.1	8.0	7.8	8.0	7.9
21	7.7	7.4	7.8	7.5	7.8	7.7	8.4	8.1	7.9	7.7	8.0	7.8
22	7.7	7.4	7.8	7.5	7.9	7.7	8.4	8.3	7.9	7.7	8.0	7.8
23	7.7	7.4	7.8	7.6	7.9	7.7	8.4	8.2	8.0	7.8	7.9	7.8
24	7.7	7.4	7.8	7.6	7.9	7.8	8.4	8.2	8.0	7.8	7.9	7.6
25	7.6	7.4	7.8	7.6	7.9	7.8	8.3	8.2	8.0	7.8	7.8	7.7
26	7.7	7.4	7.9	7.7	7.9	7.8	8.3	8.1	7.9	7.8	7.9	7.6
27	7.7	7.5	7.9	7.7	8.0	7.7	8.3	8.0	8.0	7.8	8.1	7.7
28	7.7	7.5	7.8	7.7	8.0	7.9	8.3	8.1	8.0	7.8	8.3	8.0
29	7.8	7.6	8.0	7.7	8.0	7.8	8.3	8.1	---	---	8.2	7.8
30	7.9	7.6	8.1	7.8	7.9	7.8	8.4	7.9	---	---	8.0	7.7
31	7.9	7.5	---	---	8.0	7.8	8.4	8.1	---	---	7.9	7.6
Month	7.9	7.1	8.1	7.5	8.0	7.4	8.4	7.8	8.3	7.7	8.4	7.6

11046252 San Onofre Creek Lagoon at Mouth, near San Clemente, CA—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	April		May		June		July		August		September	
1	7.8	7.6	8.3	8.0	8.3	8.0	8.2	7.9	---	---	---	---
2	7.8	7.6	8.2	7.9	8.3	7.9	8.1	7.7	---	---	---	---
3	7.8	7.6	8.2	7.9	8.2	7.8	8.1	7.8	---	---	---	---
4	7.8	7.5	8.2	8.0	8.1	7.9	8.1	7.7	---	---	---	---
5	7.8	7.6	8.2	7.9	8.2	8.0	8.1	7.8	---	---	---	---
6	7.7	7.6	8.2	8.0	8.3	8.1	8.0	7.7	---	---	---	---
7	7.7	7.6	8.2	8.0	8.3	8.0	8.0	7.7	7.4	7.3	---	---
8	7.8	7.6	8.2	7.9	8.3	7.9	8.0	7.7	7.5	7.3	---	---
9	7.8	7.6	8.1	7.8	8.3	8.0	8.1	7.8	7.5	7.4	---	---
10	7.8	7.7	8.1	7.8	8.3	7.8	8.1	7.9	7.6	7.4	---	---
11	7.9	7.6	8.0	7.6	8.3	7.8	8.1	7.8	7.6	7.5	---	---
12	8.0	7.7	7.9	7.6	8.2	7.9	8.1	7.8	7.6	7.5	---	---
13	8.2	7.8	8.0	7.7	8.3	7.7	8.0	7.8	7.6	7.5	---	---
14	8.1	7.9	7.9	7.7	8.2	7.8	8.1	7.7	7.6	7.5	---	---
15	8.2	8.0	8.0	7.6	8.2	7.9	8.0	7.8	7.6	7.5	8.3	7.9
16	8.2	7.9	8.0	7.7	8.2	7.9	8.0	7.8	7.7	7.4	8.1	7.9
17	8.2	7.9	8.1	7.8	8.1	7.6	8.0	7.6	---	---	---	---
18	8.2	8.0	8.0	7.8	8.1	7.8	7.9	7.6	---	---	---	---
19	8.3	8.1	8.1	7.9	8.2	7.8	7.9	7.6	---	---	---	---
20	8.4	8.2	8.1	7.8	8.1	7.8	7.9	7.7	---	---	---	---
21	8.3	8.0	8.2	8.0	8.1	7.6	7.9	7.6	---	---	---	---
22	8.3	8.0	8.2	8.0	8.1	7.7	---	---	---	---	---	---
23	8.3	8.0	8.1	8.0	8.1	7.8	---	---	---	---	---	---
24	8.3	8.1	8.2	8.0	8.2	7.8	---	---	---	---	---	---
25	8.4	8.1	8.2	8.0	8.2	7.8	---	---	---	---	---	---
26	8.3	8.1	8.3	8.0	8.1	7.6	---	---	---	---	---	---
27	8.4	8.0	8.3	8.0	8.3	7.6	---	---	---	---	---	---
28	8.3	8.0	8.4	8.2	8.2	7.9	---	---	---	---	8.2	7.9
29	8.3	8.0	8.3	8.0	8.2	7.8	---	---	---	---	8.2	7.9
30	8.3	8.0	---	---	8.2	7.8	---	---	---	---	8.4	8.0
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	8.4	7.5	---	---	8.3	7.6	---	---	---	---	---	---

11046252 San Onofre Creek Lagoon at Mouth, near San Clemente, CA—Continued



11046252 San Onofre Creek Lagoon at Mouth, near San Clemente, CA—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

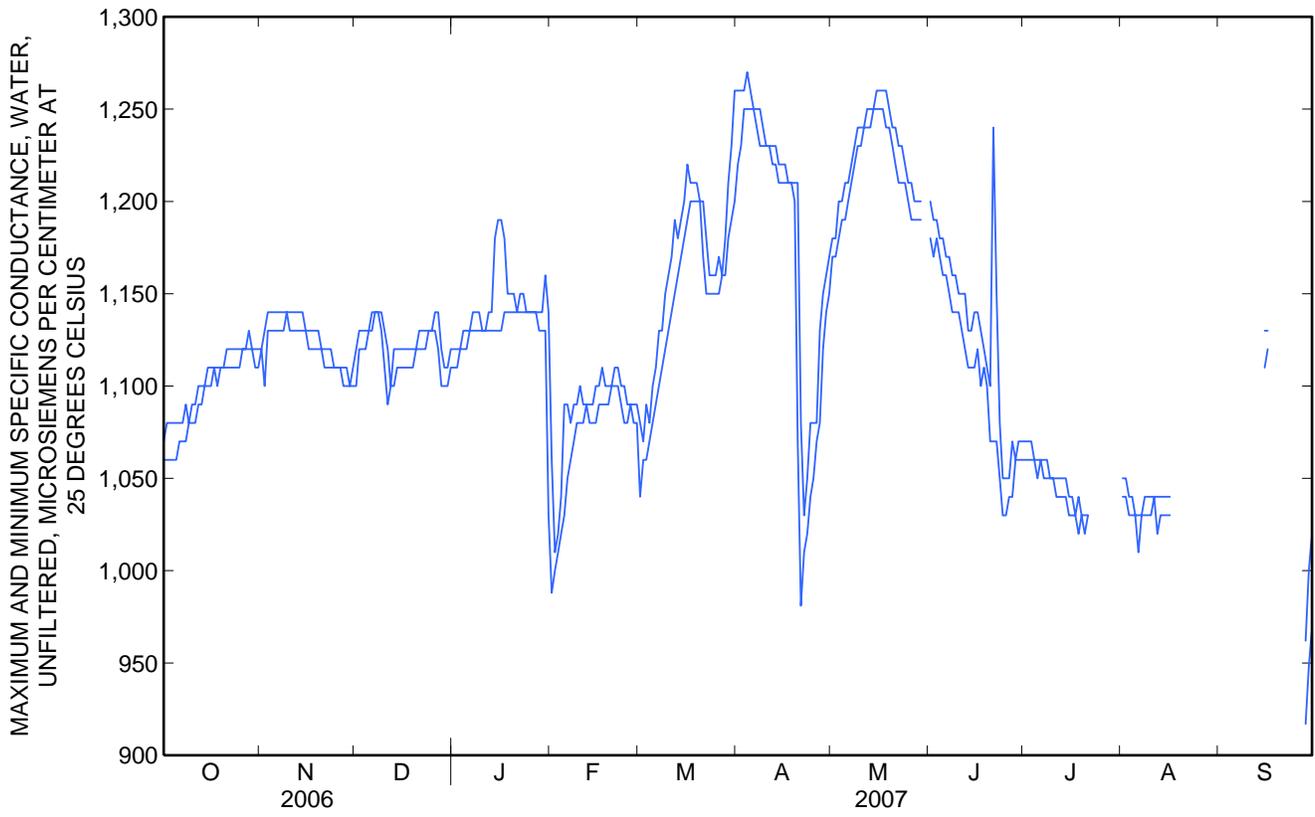
Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	1,070	1,060	1,120	1,120	1,120	1,100	1,120	1,110	1,060	988	1,080	1,040
2	1,080	1,060	1,130	1,100	1,130	1,120	1,120	1,110	1,010	1,000	1,070	1,060
3	1,080	1,060	1,140	1,130	1,130	1,120	1,120	1,120	1,020	1,010	1,090	1,060
4	1,080	1,060	1,140	1,130	1,130	1,120	1,130	1,120	1,040	1,020	1,080	1,070
5	1,080	1,060	1,140	1,130	1,130	1,130	1,130	1,120	1,090	1,030	1,100	1,080
6	1,080	1,070	1,140	1,130	1,140	1,130	1,130	1,130	1,090	1,050	1,110	1,090
7	1,080	1,070	1,140	1,130	1,140	1,140	1,140	1,130	1,080	1,060	1,130	1,100
8	1,090	1,070	1,140	1,130	1,140	1,140	1,140	1,130	1,090	1,070	1,130	1,110
9	1,080	1,080	1,140	1,140	1,140	1,130	1,140	1,130	1,090	1,080	1,150	1,120
10	1,090	1,080	1,140	1,130	1,130	1,110	1,130	1,130	1,100	1,080	1,160	1,130
11	1,090	1,080	1,140	1,130	1,120	1,090	1,130	1,130	1,090	1,080	1,170	1,140
12	1,100	1,090	1,140	1,130	1,100	1,100	1,140	1,130	1,090	1,090	1,190	1,150
13	1,100	1,090	1,140	1,130	1,120	1,100	1,140	1,130	1,090	1,080	1,180	1,160
14	1,100	1,100	1,140	1,130	1,120	1,110	1,180	1,130	1,090	1,080	1,190	1,170
15	1,110	1,100	1,130	1,130	1,120	1,110	1,190	1,130	1,100	1,080	1,200	1,180
16	1,110	1,100	1,130	1,120	1,120	1,110	1,190	1,130	1,100	1,090	1,220	1,190
17	1,110	1,110	1,130	1,120	1,120	1,110	1,180	1,140	1,110	1,090	1,210	1,200
18	1,110	1,100	1,130	1,120	1,120	1,110	1,150	1,140	1,100	1,090	1,210	1,200
19	1,110	1,110	1,130	1,120	1,120	1,110	1,150	1,140	1,100	1,090	1,210	1,200
20	1,110	1,110	1,120	1,120	1,120	1,120	1,150	1,140	1,100	1,100	1,200	1,200
21	1,120	1,110	1,120	1,110	1,130	1,120	1,140	1,140	1,110	1,100	1,200	1,170
22	1,120	1,110	1,120	1,110	1,130	1,120	1,150	1,140	1,110	1,100	1,180	1,150
23	1,120	1,110	1,120	1,110	1,130	1,120	1,150	1,140	1,100	1,090	1,160	1,150
24	1,120	1,110	1,110	1,110	1,130	1,130	1,140	1,140	1,100	1,080	1,160	1,150
25	1,120	1,110	1,110	1,110	1,130	1,130	1,140	1,140	1,090	1,080	1,160	1,150
26	1,120	1,120	1,110	1,110	1,140	1,130	1,140	1,140	1,090	1,090	1,170	1,150
27	1,120	1,120	1,110	1,100	1,140	1,120	1,140	1,140	1,090	1,080	1,160	1,160
28	1,130	1,120	1,110	1,100	1,120	1,100	1,140	1,130	1,090	1,080	1,180	1,160
29	1,120	1,120	1,100	1,100	1,110	1,100	1,140	1,130	---	---	1,210	1,180
30	1,120	1,110	1,110	1,100	1,110	1,100	1,160	1,130	---	---	1,230	1,190
31	1,120	1,110	---	---	1,120	1,110	1,140	1,030	---	---	1,260	1,200
Month	1,130	1,060	1,140	1,100	1,140	1,090	1,190	1,030	1,110	988	1,260	1,040

11046252 San Onofre Creek Lagoon at Mouth, near San Clemente, CA—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	April		May		June		July		August		September	
1	1,260	1,220	1,180	1,170	1,200	1,180	1,070	1,060	1,050	1,040	---	---
2	1,260	1,230	1,180	1,170	1,190	1,170	1,070	1,060	1,050	1,040	---	---
3	1,260	1,250	1,200	1,180	1,190	1,180	1,070	1,060	1,040	1,030	---	---
4	1,270	1,250	1,200	1,190	1,180	1,170	1,060	1,060	1,040	1,030	---	---
5	1,260	1,250	1,210	1,190	1,180	1,160	1,060	1,050	1,030	1,030	---	---
6	1,250	1,250	1,210	1,200	1,170	1,160	1,060	1,060	1,030	1,010	---	---
7	1,250	1,240	1,220	1,210	1,170	1,150	1,060	1,050	1,030	1,030	---	---
8	1,250	1,230	1,230	1,220	1,160	1,140	1,060	1,050	1,040	1,030	---	---
9	1,240	1,230	1,240	1,230	1,160	1,140	1,050	1,050	1,040	1,030	---	---
10	1,230	1,230	1,240	1,230	1,150	1,140	1,050	1,050	1,040	1,030	---	---
11	1,230	1,230	1,240	1,240	1,150	1,130	1,050	1,040	1,040	1,040	---	---
12	1,230	1,220	1,250	1,240	1,150	1,120	1,050	1,040	1,040	1,020	---	---
13	1,230	1,220	1,250	1,240	1,130	1,110	1,050	1,040	1,040	1,030	---	---
14	1,220	1,210	1,250	1,250	1,130	1,110	1,050	1,040	1,040	1,030	---	---
15	1,220	1,210	1,260	1,250	1,140	1,110	1,040	1,030	1,040	1,030	1,130	1,110
16	1,220	1,210	1,260	1,250	1,140	1,120	1,040	1,030	1,040	1,030	1,130	1,120
17	1,210	1,210	1,260	1,250	1,130	1,100	1,030	1,030	---	---	---	---
18	1,210	1,210	1,260	1,240	1,120	1,110	1,040	1,020	---	---	---	---
19	1,210	1,200	1,250	1,240	1,110	1,100	1,030	1,030	---	---	---	---
20	1,210	1,070	1,240	1,230	1,100	1,070	1,030	1,020	---	---	---	---
21	1,080	981	1,240	1,220	1,240	1,070	1,030	1,030	---	---	---	---
22	1,030	1,010	1,230	1,210	1,150	1,070	---	---	---	---	---	---
23	1,050	1,020	1,230	1,210	1,080	1,050	---	---	---	---	---	---
24	1,080	1,040	1,220	1,210	1,050	1,030	---	---	---	---	---	---
25	1,080	1,050	1,210	1,200	1,050	1,030	---	---	---	---	---	---
26	1,080	1,070	1,210	1,190	1,050	1,040	---	---	---	---	---	---
27	1,130	1,080	1,200	1,190	1,070	1,040	---	---	---	---	---	---
28	1,150	1,120	1,200	1,190	1,060	1,060	---	---	---	---	962	917
29	1,160	1,140	1,200	1,190	1,070	1,060	---	---	---	---	1,000	948
30	1,170	1,150	---	---	1,070	1,060	---	---	---	---	1,020	969
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	1,270	981	---	---	1,240	1,030	---	---	---	---	---	---

11046252 San Onofre Creek Lagoon at Mouth, near San Clemente, CA—Continued



11046252 San Onofre Creek Lagoon at Mouth, near San Clemente, CA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

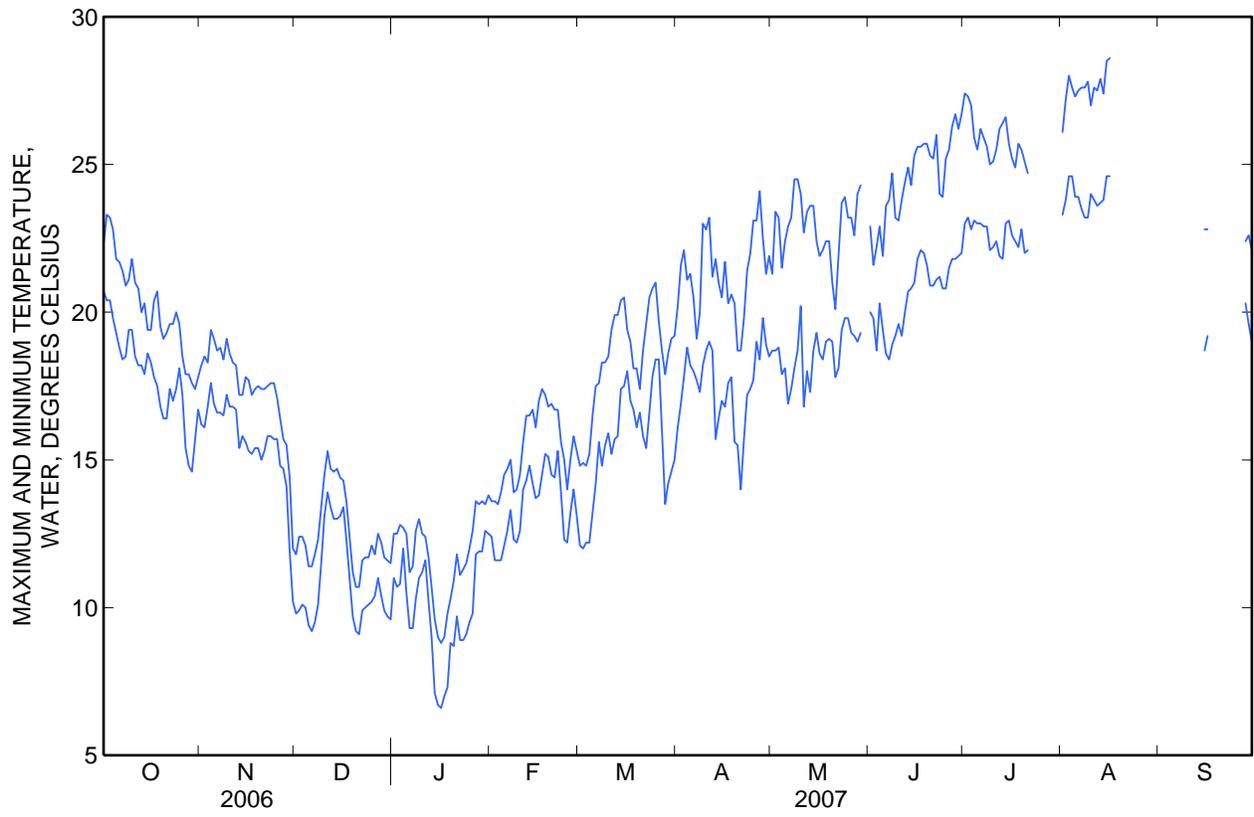
Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	22.3	20.7	18.2	16.2	11.8	9.8	12.5	11.0	13.6	12.4	14.8	12.1
2	23.3	20.4	18.5	16.1	12.4	9.9	12.5	10.7	13.6	11.6	14.9	12.0
3	23.2	20.4	18.3	16.8	12.4	10.1	12.8	10.8	13.5	11.6	14.8	12.2
4	22.8	19.8	19.4	17.6	12.1	10.0	12.7	12.0	13.9	11.6	15.2	12.2
5	21.8	19.3	19.1	16.9	11.4	9.4	12.5	10.5	14.5	12.1	16.5	13.2
6	21.7	18.8	18.7	16.6	11.4	9.2	11.2	9.3	14.7	12.6	17.5	14.2
7	21.4	18.4	18.8	16.6	11.8	9.5	11.4	9.3	15.0	13.3	17.6	15.6
8	20.9	18.5	18.4	16.5	12.3	10.1	12.6	10.3	13.9	12.3	18.3	14.8
9	21.1	19.4	19.1	17.2	13.4	11.5	13.0	11.0	14.0	12.2	18.3	15.5
10	21.8	19.4	18.6	16.8	14.5	13.1	12.5	11.2	14.5	12.6	18.5	15.9
11	21.0	18.5	18.3	16.8	15.3	13.9	12.4	11.6	15.6	14.0	19.4	15.2
12	20.8	18.2	18.2	16.7	14.7	13.4	11.7	10.2	16.5	14.3	19.9	15.7
13	20.0	18.2	17.2	15.4	14.6	13.0	10.7	9.0	16.5	14.8	19.9	15.8
14	20.3	17.9	17.2	15.8	14.7	13.0	9.6	7.1	16.7	14.2	20.4	17.4
15	19.4	18.6	17.8	15.6	14.4	13.1	9.0	6.7	16.1	13.7	20.5	17.5
16	19.4	18.3	17.7	15.3	14.3	13.4	8.8	6.6	17.0	13.8	19.4	18.0
17	20.4	17.8	17.2	15.2	13.6	12.3	9.0	7.0	17.4	14.5	19.0	17.0
18	20.7	17.5	17.4	15.4	12.4	11.0	9.8	7.3	17.2	15.2	18.1	16.7
19	19.5	16.8	17.5	15.4	11.2	9.7	10.3	8.8	16.8	15.1	18.1	16.1
20	19.1	16.4	17.4	15.0	10.7	9.2	10.9	8.7	16.9	14.5	17.4	16.6
21	19.3	16.4	17.4	15.3	10.7	9.1	11.8	9.7	16.7	14.4	18.7	15.8
22	19.6	17.4	17.5	15.8	11.6	9.9	11.1	8.9	16.7	15.3	19.6	15.4
23	19.6	17.0	17.6	15.8	11.7	10.0	11.3	8.9	15.6	13.9	20.5	16.6
24	20.0	17.4	17.6	15.7	11.7	10.1	11.5	9.1	15.0	12.3	20.8	17.8
25	19.6	18.1	17.1	15.7	12.1	10.2	12.0	9.5	14.0	12.2	21.0	18.4
26	18.5	17.2	16.4	14.8	11.8	10.4	12.6	9.8	15.0	13.2	19.7	18.4
27	17.9	15.4	15.7	14.7	12.5	11.0	13.6	11.8	15.8	14.0	18.7	16.0
28	17.9	14.8	15.5	14.1	12.2	10.4	13.5	11.9	15.3	13.1	17.9	13.5
29	17.6	14.6	14.4	11.9	11.7	9.9	13.6	11.9	---	---	18.6	14.2
30	17.4	15.7	12.0	10.2	11.6	9.7	13.5	12.6	---	---	19.1	14.6
31	17.8	16.7	---	---	11.5	9.6	13.8	12.5	---	---	19.2	15.0
Month	23.3	14.6	19.4	10.2	15.3	9.1	13.8	6.6	17.4	11.6	21.0	12.0

11046252 San Onofre Creek Lagoon at Mouth, near San Clemente, CA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	April		May		June		July		August		September	
1	20.2	16.1	21.3	18.7	22.9	20.0	27.4	23.0	26.1	23.3	---	---
2	21.6	16.9	23.4	18.7	21.6	19.8	27.3	23.2	27.2	23.8	---	---
3	22.1	17.8	23.2	18.8	22.2	18.7	27.0	22.8	28.0	24.6	---	---
4	21.1	18.8	21.5	17.9	22.9	20.3	25.9	23.1	27.6	24.6	---	---
5	21.3	18.2	22.4	18.1	21.9	19.4	25.5	23.0	27.3	23.9	---	---
6	20.5	18.0	22.9	16.9	23.6	18.6	26.2	23.0	27.5	23.9	---	---
7	19.1	17.7	23.2	17.4	23.8	18.4	25.9	22.9	27.6	23.5	---	---
8	20.0	17.3	24.5	18.1	24.7	18.9	25.6	22.9	27.6	23.2	---	---
9	23.0	18.2	24.5	18.7	23.2	19.2	25.0	22.1	27.8	23.2	---	---
10	22.8	18.7	24.0	20.2	23.1	19.6	25.1	22.2	27.0	24.0	---	---
11	23.2	19.0	22.7	16.8	23.8	19.2	25.5	22.4	27.6	23.8	---	---
12	21.2	18.7	23.4	18.0	24.4	20.0	26.2	21.9	27.5	23.6	---	---
13	21.8	15.7	23.6	17.3	24.9	20.7	26.4	21.8	27.9	23.7	---	---
14	21.0	16.4	23.6	18.7	24.3	20.8	26.6	23.0	27.4	23.8	---	---
15	20.5	17.0	22.4	19.3	25.3	21.0	25.7	23.1	28.5	24.6	22.8	18.7
16	21.7	16.8	21.9	18.6	25.6	21.8	25.2	22.6	28.6	24.6	22.8	19.2
17	20.3	17.6	22.1	18.4	25.6	22.1	24.9	22.4	---	---	---	---
18	20.6	17.8	22.4	19.0	25.7	22.0	25.7	22.2	---	---	---	---
19	20.3	15.6	22.4	19.1	25.7	21.6	25.5	22.8	---	---	---	---
20	18.7	15.5	21.0	19.0	25.3	20.9	25.1	22.0	---	---	---	---
21	18.7	14.0	20.1	17.8	25.2	20.9	24.7	22.1	---	---	---	---
22	19.8	15.7	21.9	18.1	26.0	21.1	---	---	---	---	---	---
23	21.4	17.2	23.7	19.4	24.0	21.2	---	---	---	---	---	---
24	22.0	17.4	23.9	19.8	23.9	20.8	---	---	---	---	---	---
25	23.1	17.7	23.2	19.8	25.2	20.8	---	---	---	---	---	---
26	23.1	19.0	23.2	19.3	25.5	21.5	---	---	---	---	---	---
27	24.1	18.4	22.6	19.2	26.3	21.8	---	---	---	---	---	---
28	22.5	19.8	24.0	19.0	26.7	21.8	---	---	---	---	22.4	20.3
29	21.3	18.9	24.3	19.3	26.2	21.9	---	---	---	---	22.6	19.6
30	21.9	18.5	---	---	26.7	22.0	---	---	---	---	22.1	19.0
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	24.1	14.0	---	---	26.7	18.4	---	---	---	---	---	---

11046252 San Onofre Creek Lagoon at Mouth, near San Clemente, CA—Continued



11046252 San Onofre Creek Lagoon at Mouth, near San Clemente, CA—Continued

PROFILE DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Date	Time	DepthTo bottom at sample loca- tion, feet (81903)	Dist- ance, obs pnt to samplg locatn, feet (50417)	Sam- pling depth, feet (00003)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif- ic conduc- tance, wat unf 25 degC (00095)	Temper- ature, water, deg C (00010)
Apr										
03...	1140	2.20	.00	.50	760	12.8	140	7.8	1,260	19.3
03...	1141	2.20	.00	2.00	760	12.9	141	7.9	1,260	19.4
03...	1142	1.20	10.0	.50	760	12.9	141	8.0	1,260	19.3
03...	1143	1.20	10.0	.50	760	13.1	143	8.0	1,260	19.3
03...	1144	3.50	10.0	1.00	760	13.1	143	8.0	1,260	19.2
03...	1145	3.50	10.0	3.00	760	13.2	144	8.0	1,260	19.1
03...	1146	2.00	10.0	.50	760	13.3	146	8.0	1,260	19.5
03...	1147	2.00	10.0	1.50	760	13.5	148	8.0	1,260	19.5
Jul										
31...	1124	3.00	.00	.50	760	6.7	79	7.7	1,070	23.3
31...	1125	3.00	.00	1.00	760	6.5	77	7.7	1,070	23.3
31...	1126	3.00	.00	2.00	760	6.6	78	7.8	1,070	23.3
31...	1127	3.00	20.0	.50	760	6.7	78	7.8	1,070	22.7
31...	1128	3.00	20.0	.50	760	6.8	80	7.8	1,070	23.4
31...	1129	3.00	20.0	1.50	760	6.7	79	7.8	1,070	23.5
31...	1130	3.00	20.0	.50	760	6.8	80	6.8	1,070	23.3
31...	1131	3.00	20.0	1.50	760	6.8	80	7.8	1,070	23.4
31...	1132	3.00	20.0	.50	760	6.8	80	7.8	1,070	23.4
31...	1133	3.00	3.00	2.00	760	6.9	81	7.8	1,070	23.3
31...	1135	3.00	.00	.50	760	6.7	79	7.8	1,070	23.4