

## SANTEE RIVER BASIN

02167600 SALUDA RIVER NEAR PROSPERITY, SC

## WATER-QUALITY RECORDS

LOCATION.--Lat 34°05'57'', long 81°34'07'', Saluda County, Hydrologic Unit Code 03050109, at Hwy 391 Bridge, 3.9 miles north of Hwy 378 Traffic Circle, 17.9 miles east of Saluda, 3.3 miles north of confluence of Little Saluda River, and 14.5 miles south of Prosperity.

PERIOD OF RECORD.--Water years 1993 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: February 1993 to current year.

DISSOLVED OXYGEN: February 1993 to current year.

INSTRUMENTATION.--Water-quality multiprobe and data collection platform.

REMARKS.--Temperature records rated excellent except for Nov. 25 to Dec. 2, Aug. 3-15, which are good, Dec. 3-10, 16, 17, which are fair, and Dec. 11, which is poor. Dissolved oxygen records rated fair except for Oct. 9 to Nov. 6, Mar. 12-18, Apr. 2, 3, 16-19, 30, May 1, 12-15, June 2-6, 11-14, 23, 24, July 10-15, 22-26, Aug. 17-23, which are excellent, Nov. 7-18, Mar. 19-27, Apr. 4-6, 20-22, May 2, 3, 16-18, June 7, 15-17, 25-27, July 16, 27-31, Aug. 24-28, which are good, and Oct. 1-7, Mar. 30 to Apr. 1, 9-15, 27-29, May 6-11, 23-31, June 1, 8-10, 22, 30, July 1-9, 17-19, Sep. 28-30, which are poor.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 35.5 C, Jun. 26-29, 1998; minimum, 2.0°C, Jan. 23, 24, 27, 28, 2001.

DISSOLVED OXYGEN: Maximum, 15.8 mg/L, Feb. 16, 2001; minimum, 0.0 mg/L, Jul. 8, 9, 23, Aug. 29-31, 1993, Jul. 1-3, 12, 13, 1994.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 31.8 C, July 11, 24; minimum, 4.8°C, Feb. 6.

DISSOLVED OXYGEN: Maximum, 12.8 mg/L, May 9; minimum, 1.5 mg/L, Oct. 3.

Temperature, water, degrees Celsius  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	23.1	21.5	22.4	19.3	17.7	18.7	12.4	11.3	12.1	9.1	7.2	8.1
2	23.2	21.6	22.2	19.0	17.5	18.6	13.1	11.8	12.5	8.0	7.2	7.6
3	21.9	20.9	21.5	19.8	18.3	19.0	12.8	11.6	12.2	9.0	7.8	8.2
4	21.5	20.4	20.9	20.1	18.4	18.8	12.0	11.3	11.7	9.3	8.6	9.0
5	22.1	20.3	21.1	21.2	18.9	19.9	11.5	10.6	11.2	10.9	9.3	9.7
6	22.1	21.0	21.6	22.4	19.7	20.7	11.7	10.5	11.0	11.0	9.9	10.5
7	22.3	21.3	21.7	21.3	20.9	21.1	11.8	10.3	11.2	10.1	8.8	9.4
8	22.5	21.2	22.0	21.1	20.0	20.7	11.2	9.6	10.4	9.1	7.8	8.4
9	21.5	21.1	21.3	20.0	18.3	19.2	10.8	9.7	10.3	8.6	8.2	8.3
10	21.4	21.1	21.2	18.5	16.8	17.6	10.8	9.6	10.1	8.4	8.1	8.2
11	21.1	20.4	20.7	17.9	15.7	16.8	11.1	9.9	10.5	8.4	7.4	8.0
12	20.7	19.5	20.2	18.0	15.9	16.7	10.8	9.6	10.3	7.9	6.3	7.1
13	22.0	20.2	21.1	18.2	16.8	17.4	10.4	10.0	10.2	7.8	6.9	7.4
14	22.2	21.2	21.8	17.9	16.2	17.0	10.2	9.7	9.9	8.4	7.3	7.8
15	22.1	20.8	21.4	16.9	14.8	15.6	10.2	9.6	9.9	8.6	7.3	7.8
16	21.2	20.0	20.6	15.5	14.0	15.0	10.2	8.6	9.4	9.1	8.2	8.7
17	20.8	19.4	20.2	16.1	14.9	15.5	9.6	8.5	9.0	8.6	7.3	7.9
18	20.2	19.3	19.8	17.2	16.1	16.6	9.7	8.8	9.2	8.4	7.0	7.4
19	20.5	18.8	19.5	18.5	17.2	17.8	9.3	8.0	8.7	9.3	8.4	8.9
20	20.8	19.2	19.7	18.3	16.9	17.6	8.8	7.9	8.5	9.0	7.8	8.5
21	20.4	19.6	19.9	17.3	16.0	16.7	8.4	6.9	7.8	8.3	6.7	7.6
22	20.6	19.6	20.0	17.0	16.2	16.7	7.9	6.5	7.4	7.7	6.3	7.2
23	21.2	19.7	20.4	17.1	15.6	16.5	8.1	6.3	7.3	7.9	6.9	7.3
24	20.2	18.9	19.5	16.7	15.4	16.0	9.4	7.1	8.2	7.6	6.4	7.0
25	19.6	18.3	19.0	16.8	15.1	16.0	9.9	8.7	9.4	8.5	7.1	7.9
26	18.9	18.2	18.6	15.5	14.0	14.9	8.9	7.4	8.3	7.7	6.1	6.9
27	19.5	18.5	19.0	14.7	14.0	14.4	8.4	7.1	7.8	6.9	6.1	6.5
28	19.8	19.4	19.5	15.4	14.1	14.7	8.2	6.9	7.7	6.9	5.5	6.4
29	19.6	18.2	19.0	15.3	13.4	14.3	8.1	6.6	7.5	6.6	5.0	6.0
30	19.4	18.0	18.8	13.6	11.5	12.6	9.2	7.1	8.1	6.0	5.1	5.6
31	19.2	17.8	18.7	---	---	---	9.5	8.6	9.1	6.8	6.0	6.5
MONTH	23.2	17.8	20.4	22.4	11.5	17.1	13.1	6.3	9.6	11.0	5.0	7.8



## SANTEE RIVER BASIN

02167600 SALUDA RIVER NEAR PROSPERITY, SC--Continued

Dissolved oxygen, water, unfiltered, milligrams per liter  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	6.6	5.3	5.7	8.2	7.1	7.7	---	---	---	10.1	9.2	9.7
2	6.7	5.4	5.9	8.2	7.3	7.7	---	---	---	10.1	9.6	9.8
3	6.5	1.5	5.1	8.5	7.3	7.9	---	---	---	10.0	9.6	9.8
4	6.7	5.5	6.0	8.6	7.4	7.7	---	---	---	10.0	9.4	9.7
5	7.1	5.7	6.2	9.4	7.2	8.0	---	---	---	9.8	9.3	9.5
6	6.7	5.8	6.2	8.9	7.0	7.7	---	---	---	9.6	9.0	9.3
7	6.0	5.4	5.8	7.6	7.1	7.4	---	---	---	9.8	9.2	9.5
8	---	---	---	7.4	7.2	7.3	---	---	---	10.0	9.4	9.6
9	---	---	---	8.1	7.3	7.6	---	---	---	10.0	9.5	9.7
10	6.4	6.1	6.2	8.4	7.3	7.8	---	---	---	9.9	9.5	9.6
11	6.7	6.3	6.5	8.5	7.3	8.0	---	---	---	10.1	9.5	9.8
12	6.7	6.1	6.5	8.5	7.4	7.8	9.3	8.5	8.9	10.7	9.7	10.0
13	7.9	5.9	6.8	8.2	7.0	7.7	9.3	8.6	8.9	10.3	9.6	9.9
14	7.4	6.3	6.8	8.3	7.3	7.8	9.3	8.8	9.0	10.0	9.5	9.8
15	7.4	5.7	6.9	8.9	7.6	8.0	9.2	8.8	9.0	10.3	9.5	9.9
16	7.9	6.1	7.1	7.8	7.0	7.4	9.2	8.6	8.9	9.8	9.4	9.6
17	8.0	6.5	7.5	7.3	6.9	7.1	9.8	8.9	9.3	9.9	9.4	9.6
18	8.2	7.1	7.5	---	---	---	9.6	8.9	9.2	10.3	9.6	9.9
19	8.4	6.6	7.4	---	---	---	10.1	9.2	9.6	9.7	9.4	9.5
20	8.6	6.3	7.6	---	---	---	10.2	9.1	9.5	10.0	8.8	9.4
21	8.2	7.1	7.8	---	---	---	9.9	9.2	9.5	9.3	8.7	9.0
22	8.2	7.4	7.7	---	---	---	10.2	9.4	9.8	10.0	8.9	9.3
23	8.4	7.2	7.6	---	---	---	10.0	9.3	9.7	9.9	9.0	9.4
24	7.9	7.3	7.6	---	---	---	10.1	9.4	9.8	10.0	9.1	9.5
25	8.0	7.3	7.7	---	---	---	9.7	9.1	9.4	9.8	8.9	9.4
26	7.7	6.8	7.3	---	---	---	9.9	9.2	9.6	9.4	9.0	9.1
27	7.8	6.8	7.4	---	---	---	10.0	9.4	9.8	9.6	9.0	9.3
28	7.3	6.8	7.0	---	---	---	10.2	9.5	9.7	9.7	9.0	9.3
29	8.1	7.2	7.5	---	---	---	10.1	9.5	9.7	9.9	9.2	9.5
30	7.8	7.2	7.5	---	---	---	10.4	9.4	9.9	10.4	9.2	9.8
31	8.0	7.3	7.6	---	---	---	10.0	9.3	9.7	9.8	8.9	9.3
MONTH	---	---	---	---	---	---	---	---	---	10.7	8.7	9.6

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	9.8	8.9	9.2	11.0	10.2	10.6	9.2	8.1	8.8	9.6	7.3	8.5
2	9.9	9.0	9.4	10.9	10.0	10.5	9.4	9.0	9.2	9.1	6.3	7.4
3	9.5	8.8	---	10.8	9.8	10.2	10.2	9.1	9.5	7.2	5.6	6.7
4	---	---	---	10.2	9.3	9.7	10.2	9.7	9.9	6.8	5.3	6.2
5	---	---	---	10.1	9.0	9.4	10.0	9.4	9.8	7.2	6.1	6.5
6	---	---	---	10.3	8.9	9.5	10.3	9.6	10.0	7.4	6.5	7.0
7	---	---	---	10.6	9.0	9.5	11.0	9.6	10.3	7.2	6.0	6.5
8	---	---	---	10.1	8.8	9.3	11.1	9.4	10.4	12.1	6.5	8.6
9	---	---	---	9.7	9.0	9.3	10.3	8.9	9.7	12.8	9.8	11.5
10	11.4	10.8	11.2	10.4	9.1	9.6	10.1	8.9	9.4	11.1	8.8	9.9
11	11.3	10.0	10.6	11.0	9.2	10.0	9.9	8.9	9.5	11.2	8.0	9.7
12	11.3	10.4	10.7	10.8	10.3	10.5	9.4	8.2	8.7	9.4	7.6	8.5
13	11.1	10.6	10.9	10.7	10.2	10.5	8.2	7.3	7.7	9.9	7.4	8.5
14	10.7	9.9	10.3	10.8	10.2	10.5	8.9	7.6	8.2	10.2	7.5	8.9
15	10.7	10.0	10.3	10.9	9.9	10.4	9.2	6.6	8.1	10.0	8.2	9.0
16	11.0	10.2	10.6	10.6	9.6	10.1	7.5	6.2	6.8	10.4	7.8	9.1
17	11.0	10.5	10.8	9.8	9.3	9.6	10.1	6.2	8.3	10.2	8.4	9.3
18	10.9	10.0	10.6	9.8	9.1	9.4	9.5	8.5	9.1	10.1	7.9	8.8
19	10.7	9.9	10.5	9.7	9.2	9.5	10.3	8.8	9.5	9.1	7.7	8.4
20	11.1	10.1	10.5	9.9	9.4	9.6	9.4	8.4	8.9	10.6	7.4	8.5
21	10.8	9.8	10.4	9.5	8.9	9.2	9.4	7.7	8.4	10.0	7.6	8.9
22	10.5	9.4	10.0	9.0	8.5	8.7	8.8	7.5	8.0	11.1	7.4	8.9
23	10.6	10.0	10.2	9.2	8.4	8.8	9.3	7.3	8.1	9.8	7.4	8.6
24	10.7	10.2	10.4	9.6	8.8	9.1	11.2	7.6	9.0	8.4	6.6	7.5
25	10.8	10.1	10.5	10.2	9.1	9.5	12.6	9.2	10.7	8.7	5.6	7.3
26	10.8	10.2	10.5	11.0	9.1	9.9	10.4	8.2	9.1	8.9	5.9	7.1
27	11.1	10.0	10.6	10.0	9.0	9.4	8.2	6.3	7.1	7.9	4.9	6.4
28	11.6	10.5	11.0	10.3	9.1	9.6	9.6	6.0	7.3	7.9	3.2	5.7
29	11.1	10.6	10.8	10.3	8.8	9.4	11.5	8.3	9.8	8.8	5.0	6.9
30	---	---	---	9.5	8.3	8.7	11.0	8.8	9.8	8.6	5.8	8.0
31	---	---	---	8.8	8.2	8.4	---	---	---	9.3	6.5	7.7
MONTH	---	---	---	11.0	8.2	9.6	12.6	6.0	9.0	12.8	3.2	8.1

