

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.--USGS mini-monitor and data collection platform.

REMARKS.--Temperature records rated excellent except for Oct. 3 to 13, Nov. 28 to May 2, June 5 to June 29, which are poor. Dissolved oxygen records rated 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, 31.5 C, Aug. 11, 12; minimum, 2.0°C, Jan. 23,24, 27, 28.

DISSOLVED OXYGEN: Maximum, 15.8 mg/L, Feb. 16; minimum, 1.5 mg/L, Sep. 4.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	23.5	21.5	22.5	20.5	19.0	19.5	10.5	10.0	10.0	---	---	---
2	23.5	22.0	22.5	19.5	18.5	19.0	10.0	9.5	10.0	---	---	---
3	24.0	22.5	23.0	20.0	18.5	19.0	9.5	8.5	9.0	---	---	---
4	25.0	23.0	23.5	19.5	19.5	19.5	9.0	8.0	8.5	---	---	---
5	26.0	23.5	24.5	20.0	19.0	19.5	8.0	7.5	8.0	---	---	---
6	24.5	24.0	24.5	19.5	18.5	19.0	8.0	7.5	7.5	---	---	---
7	24.5	23.0	23.5	19.0	18.5	18.5	7.5	7.0	7.5	4.5	4.0	4.0
8	---	---	---	19.0	18.5	18.5	7.5	7.0	7.5	---	---	---
9	---	---	---	20.0	18.5	19.0	7.5	7.0	7.5	---	---	---
10	---	---	---	19.0	18.5	18.5	7.5	7.5	7.5	---	---	---
11	---	---	---	19.0	18.0	18.5	8.0	7.5	7.5	---	---	---
12	---	---	---	18.0	17.5	17.5	8.5	7.5	8.0	5.5	5.0	5.0
13	---	---	---	17.5	17.0	17.0	8.0	7.5	8.0	6.0	5.0	5.5
14	21.5	19.5	20.5	17.0	16.5	16.5	8.0	7.5	7.5	6.5	6.0	6.0
15	20.5	20.0	20.0	16.5	15.5	16.0	8.0	7.5	8.0	8.0	6.5	7.0
16	20.5	19.5	20.0	15.5	15.0	15.5	8.5	8.0	8.0	8.5	7.0	7.5
17	22.0	20.0	21.0	15.0	14.0	14.5	8.5	8.0	8.5	8.5	7.5	8.0
18	22.0	20.5	21.5	14.0	13.0	13.5	8.5	7.5	8.0	9.0	8.0	8.5
19	22.0	21.0	21.5	13.0	12.0	12.5	---	---	---	9.0	6.0	8.0
20	21.5	20.5	21.0	12.0	11.5	11.5	---	---	---	7.0	4.5	6.0
21	22.0	20.5	21.0	11.5	10.5	11.0	---	---	---	4.5	3.5	4.0
22	22.5	20.5	21.5	10.5	10.0	10.0	---	---	---	3.5	2.5	3.0
23	22.0	21.0	21.5	10.0	9.5	9.5	---	---	---	2.5	2.0	2.0
24	22.0	20.5	21.0	9.5	9.0	9.5	---	---	---	4.5	2.0	2.5
25	21.5	21.0	21.0	10.0	9.5	9.5	---	---	---	4.5	2.5	3.0
26	21.5	20.5	21.0	10.0	9.5	9.5	---	---	---	4.0	3.0	3.5
27	21.5	20.5	21.0	10.5	9.5	10.0	4.5	4.0	4.5	3.5	2.0	3.0
28	21.5	20.5	21.0	11.0	10.0	10.5	4.0	4.0	4.0	5.5	2.0	4.0
29	21.0	20.5	20.5	11.0	10.0	10.5	4.0	3.5	4.0	6.0	5.0	5.5
30	20.5	19.5	20.0	11.0	10.0	10.5	---	---	---	6.5	5.0	6.0
31	20.5	19.0	20.0	---	---	---	---	---	---	7.5	5.0	6.5
MONTH	26.0	19.0	21.6	20.5	9.0	14.8	10.5	3.5	7.6	9.0	2.0	5.2

SANTEE RIVER BASIN

02167600 SALUDA RIVER NEAR PROSPERITY, SC--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN									
1	---	---	---	13.1	9.6	11.4	13.8	9.9	11.7	---	---	---
2	---	---	---	11.9	9.3	10.6	13.2	11.7	12.4	---	---	---
3	---	---	---	13.0	10.6	11.7	13.7	12.2	13.0	---	---	---
4	---	---	---	13.2	11.7	12.4	---	---	---	---	---	---
5	---	---	---	15.1	11.6	13.4	---	---	---	---	---	---
6	---	---	---	13.8	12.2	13.1	11.6	9.4	10.5	---	---	---
7	---	---	---	13.0	10.5	11.9	12.5	9.8	11.3	---	---	---
8	---	---	---	12.9	10.3	11.5	13.6	10.3	11.9	---	---	---
9	---	---	---	12.1	10.0	11.1	13.6	10.4	12.4	---	---	---
10	---	---	---	13.0	9.4	11.4	14.0	11.8	12.8	---	---	---
11	---	---	---	13.6	9.1	11.1	13.8	12.1	12.9	---	---	---
12	---	---	---	13.8	9.6	12.1	14.1	12.3	13.3	12.5	10.6	11.4
13	---	---	---	13.6	11.0	12.3	14.9	12.6	13.9	12.0	10.8	11.4
14	11.0	9.5	10.1	14.1	11.1	12.3	14.8	13.4	14.3	11.8	10.3	11.1
15	10.8	9.4	10.0	14.2	10.3	12.3	15.1	13.1	14.0	12.9	10.4	11.8
16	11.2	9.2	9.9	12.4	10.2	11.4	15.1	13.2	14.1	13.0	11.0	11.8
17	11.5	9.4	10.4	13.0	9.3	11.5	15.3	13.6	14.5	12.6	11.4	11.8
18	11.3	9.9	10.6	11.4	9.2	10.3	15.5	13.8	14.7	13.2	11.5	12.4
19	11.5	9.5	10.4	11.3	9.5	10.4	---	---	---	13.1	11.3	12.3
20	11.0	9.1	10.1	12.7	10.1	11.2	---	---	---	12.1	10.7	11.7
21	11.8	8.9	10.3	13.7	10.1	11.8	---	---	---	11.9	10.5	11.3
22	12.0	9.8	10.9	13.8	9.9	11.7	---	---	---	11.9	10.6	11.3
23	11.9	10.1	10.8	12.3	9.9	11.6	---	---	---	12.0	11.0	11.5
24	11.9	8.6	10.2	13.0	10.4	11.8	---	---	---	12.1	11.0	11.6
25	11.7	9.1	10.6	13.0	11.4	12.0	---	---	---	12.1	10.2	11.4
26	12.0	8.9	10.3	---	---	---	---	---	---	12.1	9.9	10.9
27	12.1	9.1	10.7	---	---	---	12.5	11.5	11.9	12.1	10.6	11.6
28	12.3	10.1	11.2	---	---	---	12.5	11.5	12.0	12.2	10.8	11.3
29	12.0	9.4	10.6	11.4	10.4	10.9	12.7	11.6	12.1	12.1	10.8	11.4
30	12.5	9.4	10.6	11.3	10.1	10.8	---	---	---	12.4	10.7	11.9
31	13.1	9.3	11.2	---	---	---	---	---	---	12.4	11.5	12.0
MONTH	13.1	8.6	10.5	15.1	9.1	11.6	15.5	9.4	12.8	13.2	9.9	11.6
DAY	MAX	MIN	MEAN									
1	11.8	10.9	11.4	15.4	11.5	12.8	10.2	9.4	9.9	---	---	---
2	11.8	10.8	11.4	13.7	10.8	12.4	11.0	9.5	9.9	11.8	7.6	9.6
3	11.8	10.1	11.1	11.6	10.0	10.8	10.3	9.3	9.8	11.7	6.7	9.9
4	12.0	10.6	11.5	12.0	9.8	10.7	9.9	9.1	9.6	12.0	8.1	9.9
5	13.1	10.6	12.1	10.5	9.3	9.9	10.5	9.2	9.8	11.1	7.4	9.6
6	13.6	11.3	12.4	9.9	8.9	9.5	---	---	---	11.0	6.6	9.4
7	14.2	11.7	12.9	10.1	8.7	9.4	---	---	---	9.4	6.9	8.6
8	15.2	12.9	14.0	10.4	8.8	9.3	---	---	---	9.5	6.9	8.1
9	15.3	13.9	14.5	11.3	8.6	9.7	---	---	---	9.3	6.1	7.6
10	15.3	13.4	14.4	10.9	9.3	9.9	---	---	---	9.3	5.9	7.4
11	15.4	13.8	14.5	14.4	9.3	11.4	---	---	---	9.0	6.5	7.7
12	14.2	13.1	13.6	12.7	10.3	11.4	---	---	---	11.5	7.2	9.4
13	14.1	12.5	13.3	12.8	11.1	12.0	---	---	---	10.1	6.5	8.2
14	15.7	12.5	14.0	13.7	10.5	12.2	---	---	---	8.9	6.6	7.8
15	15.5	13.0	14.6	12.9	10.9	11.9	---	---	---	10.6	6.0	8.5
16	15.8	12.9	14.2	10.9	9.9	10.4	---	---	---	9.1	5.0	7.5
17	14.1	12.5	13.3	10.2	9.6	9.8	---	---	---	8.2	5.0	6.8
18	15.1	11.7	13.1	10.1	9.3	9.8	---	---	---	8.2	3.8	6.6
19	14.6	12.1	13.1	10.9	9.6	10.2	---	---	---	7.5	4.5	6.5
20	13.7	11.7	12.7	11.7	10.3	11.0	---	---	---	6.3	4.0	5.3
21	14.2	11.3	12.2	11.7	10.7	11.2	---	---	---	---	---	---
22	12.0	10.4	11.0	10.7	10.3	10.6	---	---	---	---	---	---
23	11.3	9.7	10.5	11.0	9.7	10.3	---	---	---	---	---	---
24	11.6	10.2	10.8	10.8	9.8	10.2	---	---	---	---	---	---
25	11.9	9.5	10.8	10.3	9.7	9.9	---	---	---	---	---	---
26	14.1	9.8	12.0	10.7	9.7	10.2	---	---	---	---	---	---
27	12.4	10.8	11.4	12.1	10.1	10.7	---	---	---	---	---	---
28	13.1	10.8	12.2	11.5	10.0	10.8	---	---	---	---	---	---
29	---	---	---	11.1	10.3	10.7	---	---	---	---	---	---
30	---	---	---	11.5	10.2	10.7	---	---	---	---	---	---
31	---	---	---	10.4	9.7	10.1	---	---	---	---	---	---
MONTH	15.8	9.5	12.6	15.4	8.6	10.6	11.0	9.1	9.8	12.0	3.8	8.1

