

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.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 35.5 C, Jun. 26-29, 1998; minimum, 3.5°C, Feb. 5, 6, 1996.

DISSOLVED OXYGEN: Maximum, 15.2 mg/L, Aug. 26, 1994; 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, 32.5 C, Aug. 9, 10; minimum, 4.5°C, several days in Jan., Feb.

DISSOLVED OXYGEN: Maximum, 14.0 mg/L, Nov. 14; minimum, 5.6 mg/L, Jul. 25, 26.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	25.0	23.5	24.0	20.0	19.5	19.5	14.0	13.5	13.5	9.0	8.0	8.5
2	24.5	23.0	24.0	19.5	18.5	19.0	13.5	13.0	13.0	10.5	8.5	9.5
3	25.5	24.0	24.5	18.5	17.5	18.0	13.5	12.0	12.5	10.5	9.5	10.0
4	24.5	23.5	24.0	18.0	17.0	17.5	13.0	12.0	12.5	11.0	9.5	10.5
5	24.0	23.0	23.5	18.0	16.5	17.0	13.5	11.5	12.5	11.0	11.0	11.0
6	24.5	22.5	23.5	17.0	16.0	16.5	13.5	12.5	13.0	11.0	10.5	10.5
7	23.0	22.0	22.5	18.0	16.0	17.0	13.0	12.0	12.5	11.0	10.5	11.0
8	22.5	22.0	22.0	18.0	17.0	17.5	13.0	12.0	12.0	10.5	10.0	10.5
9	23.0	22.0	22.5	18.5	17.5	18.0	13.5	11.5	12.5	10.0	10.0	10.0
10	23.5	22.5	23.0	18.5	17.5	18.0	13.5	12.5	13.0	11.0	10.0	10.5
11	23.5	23.0	23.5	18.0	17.5	18.0	13.0	12.0	12.5	11.0	10.5	11.0
12	23.0	22.5	23.0	17.5	17.0	17.5	13.0	12.0	12.5	11.0	10.5	10.5
13	22.5	22.0	22.0	18.5	17.0	17.5	13.5	12.5	13.0	11.5	10.5	11.0
14	22.5	21.5	22.0	18.0	17.0	17.5	13.5	12.5	12.5	10.5	10.0	10.0
15	22.0	21.5	21.5	17.5	16.5	17.0	12.5	12.0	12.5	10.0	9.5	10.0
16	22.5	21.5	22.0	16.5	16.0	16.5	12.0	12.0	12.0	9.5	9.5	9.5
17	22.5	21.5	22.0	16.0	15.5	15.5	12.0	11.5	11.5	9.5	9.0	9.0
18	22.5	21.5	22.0	15.5	15.0	15.5	11.5	11.0	11.0	9.0	8.5	8.5
19	21.5	21.0	21.5	16.0	14.5	15.0	11.0	11.0	11.0	8.5	8.0	8.5
20	21.5	20.5	21.0	16.5	15.5	16.0	11.0	11.0	11.0	9.0	8.5	8.5
21	21.0	20.0	20.5	16.5	16.0	16.5	11.0	11.0	11.0	8.5	8.0	8.5
22	21.0	20.0	20.0	17.0	16.5	16.5	11.0	11.0	11.0	8.5	8.0	8.0
23	20.0	19.0	19.5	17.5	16.5	17.0	11.5	11.0	11.0	8.0	7.0	7.5
24	19.0	18.5	18.5	18.0	17.0	17.5	11.0	10.5	10.5	7.0	6.0	6.5
25	19.0	18.0	18.5	18.5	17.0	17.5	10.5	10.0	10.0	6.0	5.5	5.5
26	19.0	17.5	18.0	18.0	17.0	17.5	10.0	9.5	9.5	5.5	5.0	5.5
27	18.5	17.5	18.0	17.0	16.5	17.0	10.0	9.0	9.5	5.0	4.5	5.0
28	19.0	18.0	18.5	16.5	16.0	16.0	9.0	8.5	9.0	5.0	5.0	5.0
29	19.0	18.0	18.5	16.0	15.5	16.0	9.0	8.5	8.5	5.0	4.5	5.0
30	19.0	18.0	18.5	15.5	14.0	15.0	8.5	8.0	8.5	4.5	4.5	4.5
31	20.0	18.5	19.0	---	---	---	9.0	8.0	8.5	5.0	4.5	5.0
MONTH	25.5	17.5	21.3	20.0	14.0	17.0	14.0	8.0	11.4	11.5	4.5	8.5

SANTEE RIVER BASIN

02167600 SALUDA RIVER NEAR PROSPERITY, SC--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	10.2	7.7	8.8	10.7	9.7	10.2	9.4	8.3	8.8	11.2	10.5	10.9
2	10.3	8.0	9.2	10.6	9.4	10.0	9.8	8.4	8.8	12.2	10.9	11.6
3	10.9	8.7	9.6	10.4	8.8	9.8	10.2	8.5	9.1	12.5	11.4	11.9
4	9.7	8.5	9.0	11.5	8.3	10.0	11.5	9.3	10.0	12.1	10.7	11.3
5	10.2	7.7	8.7	11.9	9.3	10.5	11.6	9.7	10.5	11.2	10.2	10.6
6	10.9	7.9	9.3	11.9	9.6	10.9	11.6	10.4	10.8	10.3	9.8	10.1
7	9.7	8.4	9.1	12.7	10.5	11.6	12.0	10.0	10.7	10.6	9.8	10.2
8	9.8	8.1	9.0	12.9	11.1	12.0	12.4	10.3	11.2	10.4	9.8	10.2
9	10.2	8.3	9.3	12.8	11.4	12.1	12.8	10.6	11.6	10.5	9.8	10.1
10	10.5	8.5	9.5	13.0	11.5	12.2	11.9	10.5	11.3	10.7	9.9	10.4
11	10.6	8.6	9.8	13.5	11.2	12.1	11.9	10.5	11.0	10.4	9.1	9.9
12	10.2	7.8	8.9	12.3	11.1	11.7	12.0	10.8	11.4	9.3	8.9	9.1
13	7.8	7.1	7.3	13.0	10.9	11.9	11.8	11.1	11.4	9.5	8.9	9.2
14	7.8	7.0	7.4	14.0	11.3	12.4	11.9	10.8	11.2	10.1	9.3	9.7
15	8.1	7.1	7.5	13.2	11.1	11.8	11.0	10.5	10.7	10.0	9.2	9.6
16	9.4	7.2	8.2	12.5	10.1	11.1	10.6	10.0	10.3	10.1	9.4	9.8
17	9.0	7.8	8.5	12.3	10.4	11.1	10.5	9.5	9.9	10.4	9.5	9.9
18	10.0	8.0	8.9	12.7	10.1	11.3	9.6	8.8	9.3	10.5	10.0	10.3
19	10.3	8.6	9.3	13.5	10.8	12.0	9.7	9.3	9.6	10.5	10.0	10.2
20	9.4	8.7	9.0	12.4	10.8	11.7	10.0	9.1	9.6	10.5	10.0	10.3
21	10.2	8.4	9.2	11.5	10.6	11.0	9.8	9.1	9.4	10.7	9.9	10.3
22	10.5	8.6	9.5	11.4	10.2	10.7	9.7	9.2	9.5	10.5	9.8	10.2
23	10.3	8.8	9.5	11.5	10.0	10.6	9.8	9.0	9.4	10.6	9.9	10.3
24	11.1	9.1	10.0	10.8	9.9	10.3	9.7	9.0	9.4	11.1	10.5	10.7
25	12.7	9.7	11.1	10.8	9.9	10.4	10.0	9.2	9.4	10.9	10.5	10.6
26	12.7	10.1	11.4	11.1	9.5	10.4	10.2	9.1	9.8	11.2	10.7	10.9
27	13.0	10.2	11.4	11.6	9.2	10.5	10.5	9.2	9.9	11.1	10.4	10.8
28	11.9	10.5	11.1	10.3	8.8	9.5	10.9	9.4	10.2	10.8	10.0	10.5
29	12.0	9.8	10.9	10.3	8.6	9.3	11.1	9.4	10.3	10.9	10.2	10.6
30	11.3	10.0	10.7	9.5	8.6	9.0	10.9	9.6	10.4	11.3	10.6	11.0
31	11.0	9.9	10.5	---	---	---	11.5	10.0	10.8	11.2	10.6	10.9
MONTH	13.0	7.0	9.4	14.0	8.3	10.9	12.8	8.3	10.2	12.5	8.9	10.4
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	11.3	10.5	10.8	13.2	11.7	12.5	11.7	10.8	11.2	10.9	8.8	9.6
2	10.9	10.3	10.7	12.2	11.2	11.7	11.2	10.3	10.9	11.7	10.5	11.0
3	11.2	10.5	10.8	12.0	10.7	11.3	11.2	10.1	10.7	11.7	9.9	10.7
4	11.3	10.4	11.0	11.5	10.0	11.1	11.2	10.0	10.6	11.5	10.0	10.6
5	11.2	10.1	10.8	12.5	10.0	11.2	11.4	9.6	10.4	11.8	10.2	10.9
6	10.9	10.0	10.6	13.7	10.9	12.1	11.0	10.2	10.6	11.5	10.5	11.0
7	11.5	10.6	11.0	12.6	11.0	11.9	11.1	10.1	10.6	11.7	9.8	10.6
8	11.2	10.2	10.7	12.8	10.4	12.1	11.1	10.0	10.7	11.8	10.2	10.9
9	11.5	10.1	10.6	12.7	11.6	12.3	11.6	9.9	10.6	11.9	10.4	11.0
10	11.9	10.2	10.9	11.8	10.9	11.3	11.4	10.0	10.8	12.1	10.1	10.8
11	11.6	10.7	11.3	11.7	10.7	11.1	11.7	10.3	11.1	11.5	9.9	10.5
12	11.5	10.4	10.9	11.2	10.0	10.5	12.0	10.0	11.1	10.8	9.3	10.3
13	11.0	10.3	10.8	11.4	9.5	10.3	11.4	10.1	10.9	11.4	10.3	10.7
14	11.2	10.5	10.9	12.5	9.8	11.1	10.3	9.2	9.7	11.8	9.7	10.6
15	10.9	9.9	10.2	13.2	9.8	11.7	9.5	9.0	9.2	12.0	10.9	11.4
16	10.1	9.4	9.8	12.3	11.1	11.6	10.4	8.9	9.3	12.2	9.7	11.0
17	10.0	9.2	9.7	11.8	10.9	11.3	10.6	9.0	9.7	10.2	9.1	9.6
18	10.4	9.3	9.7	11.1	10.2	10.5	11.1	9.8	10.4	10.0	8.3	9.2
19	10.3	9.5	10.0	10.4	10.0	10.2	11.3	10.1	10.5	9.2	7.9	8.7
20	11.1	9.5	10.2	10.7	9.7	10.1	12.0	10.1	10.9	9.9	8.6	9.3
21	11.3	10.1	10.6	10.7	9.1	9.5	12.2	10.7	11.6	9.8	8.8	9.3
22	11.3	10.2	10.7	9.3	8.7	8.9	11.0	9.9	10.5	9.4	8.2	8.8
23	11.9	10.3	11.2	9.5	8.7	9.0	10.8	9.5	10.4	8.3	7.6	8.0
24	13.1	11.0	11.6	9.9	9.1	9.4	10.6	9.4	10.1	7.9	7.2	7.6
25	13.7	11.2	12.3	10.5	9.6	9.9	10.5	9.7	10.0	8.2	7.2	7.7
26	13.5	12.0	12.8	10.5	9.7	10.0	9.7	9.2	9.5	7.8	7.1	7.5
27	12.8	11.5	12.0	10.2	9.7	9.9	11.6	9.1	10.0	9.0	7.4	8.2
28	13.4	10.8	12.3	10.2	9.5	9.8	10.8	8.7	9.9	8.9	8.2	8.6
29	13.1	11.9	12.4	10.8	9.4	9.9	10.6	9.3	9.8	8.3	7.9	8.1
30	---	---	---	10.4	9.3	9.9	10.5	9.3	10.0	8.7	7.8	8.1
31	---	---	---	11.7	9.3	10.8	---	---	---	9.3	7.9	8.3
MONTH	13.7	9.2	10.9	13.7	8.7	10.7	12.2	8.7	10.4	12.2	7.1	9.6

