

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 June 1 to Aug. 31, which are good. 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, 32.6 C, July 28, Aug. 22; minimum, 5.9°C, Jan. 30.

DISSOLVED OXYGEN: Maximum, 14.6 mg/L, Dec. 28; minimum, 2.1 mg/L, Sep. 4.

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	23.8	22.8	23.1	20.9	20.6	20.7	13.6	13.3	13.4	9.5	8.8	9.1
2	24.4	23.4	23.8	22.3	20.6	21.2	13.8	13.2	13.4	9.6	9.1	9.3
3	24.6	23.7	24.0	22.2	21.2	21.8	13.7	13.2	13.4	10.5	9.2	9.6
4	24.0	23.6	23.8	22.0	21.2	21.7	13.4	12.8	13.1	10.7	9.6	10.2
5	23.8	23.4	23.5	21.2	20.2	20.8	12.9	12.4	12.6	10.7	10.2	10.4
6	23.9	23.0	23.3	20.2	18.8	19.5	12.6	12.3	12.4	11.5	10.5	11.0
7	23.2	22.6	22.8	19.5	18.4	18.7	13.1	12.3	12.5	11.6	11.2	11.3
8	22.9	22.1	22.4	19.2	18.3	18.7	13.7	13.0	13.2	12.0	11.1	11.4
9	22.7	21.9	22.1	18.5	17.6	17.9	13.8	13.3	13.5	12.2	11.2	11.6
10	22.4	21.8	22.1	17.6	16.9	17.2	14.7	13.6	14.2	12.2	11.1	11.5
11	22.7	21.9	22.3	16.9	16.4	16.6	14.3	13.6	14.0	12.0	11.1	11.4
12	22.8	22.3	22.5	16.4	16.3	16.3	13.6	13.0	13.3	11.5	10.8	11.0
13	23.1	22.3	22.7	16.4	16.2	16.3	13.0	12.5	12.7	12.3	10.8	11.5
14	22.4	21.8	22.0	16.4	16.0	16.2	12.5	11.5	12.1	12.7	12.0	12.5
15	21.8	21.0	21.5	16.1	15.5	15.7	11.5	11.0	11.2	12.0	10.4	11.2
16	21.0	20.2	20.5	15.5	14.9	15.1	11.1	10.6	10.8	10.4	10.0	10.2
17	20.2	19.6	19.8	15.1	14.4	14.7	10.8	10.4	10.5	10.2	8.9	9.4
18	20.2	19.6	19.9	14.8	14.3	14.5	10.9	10.3	10.5	8.9	8.2	8.5
19	20.8	19.9	20.2	15.4	14.7	14.9	10.5	9.9	10.3	8.2	7.4	7.8
20	22.5	20.2	20.6	16.1	15.0	15.5	9.9	8.9	9.3	8.1	7.2	7.6
21	22.5	20.7	21.4	16.8	16.0	16.2	8.9	8.5	8.7	8.1	7.3	7.6
22	21.4	20.6	20.8	17.2	16.5	16.7	8.5	8.2	8.4	8.0	7.8	8.0
23	20.7	20.2	20.4	17.0	16.6	16.8	9.5	8.3	9.0	7.8	6.8	7.3
24	20.3	19.9	20.0	17.0	16.9	16.9	9.2	8.9	9.0	6.9	6.3	6.6
25	19.9	19.7	19.8	16.9	16.2	16.6	9.0	8.7	8.9	7.0	6.0	6.4
26	20.1	19.6	19.8	16.2	15.0	15.5	8.7	8.0	8.2	7.5	6.6	7.0
27	20.0	19.6	19.7	15.0	13.9	14.4	8.3	7.8	8.0	7.8	7.3	7.5
28	20.2	19.7	19.9	13.9	13.6	13.7	8.1	7.7	7.9	7.7	7.2	7.5
29	19.9	19.6	19.6	13.6	13.2	13.4	8.1	7.6	7.9	7.2	6.2	6.7
30	20.3	19.6	19.7	13.3	12.9	13.1	8.8	8.1	8.4	6.2	5.9	6.0
31	21.1	19.7	20.3	---	---	---	9.2	8.5	8.8	6.6	6.0	6.2
MONTH	24.6	19.6	21.4	22.3	12.9	16.9	14.7	7.6	11.0	12.7	5.9	9.1

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Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	7.0	6.4	6.7	9.4	8.6	9.0	14.8	14.5	14.6	20.0	18.6	19.3
2	7.0	6.8	6.9	8.8	8.3	8.5	14.5	14.0	14.2	20.5	18.8	19.6
3	6.9	6.6	6.7	9.3	8.3	8.7	14.2	13.6	13.9	20.1	18.8	19.5
4	7.0	6.5	6.7	10.2	8.5	9.2	16.1	13.9	14.7	21.0	18.9	19.8
5	7.6	6.7	7.1	9.7	9.0	9.4	17.0	14.8	15.4	20.6	19.5	19.9
6	7.8	7.0	7.3	10.7	9.3	9.8	---	---	---	20.8	19.1	19.7
7	8.0	7.4	7.5	11.0	9.9	10.4	16.4	16.0	16.2	21.1	19.1	20.1
8	9.4	7.5	8.4	11.3	10.4	10.9	16.9	16.0	16.4	21.8	19.9	20.8
9	9.0	8.2	8.6	11.6	10.6	11.0	16.9	15.9	16.3	21.9	20.9	21.3
10	9.0	8.5	8.7	12.3	10.9	11.4	17.3	15.9	16.5	22.6	20.7	21.9
11	9.1	8.4	8.7	11.4	10.8	11.1	18.3	16.9	17.4	23.7	21.6	22.5
12	9.4	8.6	9.0	11.1	10.5	10.8	19.4	18.0	18.9	23.7	22.7	23.1
13	9.1	8.8	8.9	12.3	10.8	11.4	18.8	17.2	18.0	25.8	22.3	23.9
14	9.0	8.6	8.7	12.2	11.9	12.0	17.2	16.2	16.6	24.9	23.6	24.1
15	8.9	8.7	8.8	12.3	11.6	11.9	16.8	15.9	16.3	25.3	23.8	24.6
16	10.2	8.7	9.3	12.1	11.7	11.9	16.9	15.8	16.3	25.5	23.8	24.6
17	10.3	9.6	9.9	11.7	10.5	11.3	18.6	15.9	17.1	25.7	24.4	24.9
18	10.1	9.6	9.8	10.7	9.9	10.3	17.5	16.5	16.9	25.6	24.1	24.6
19	10.9	9.7	10.2	11.1	9.9	10.3	19.9	17.0	18.7	25.4	24.6	24.9
20	10.6	10.0	10.2	12.1	10.5	11.4	20.3	19.1	19.7	25.4	24.0	24.4
21	10.1	9.9	10.1	12.0	11.0	11.6	20.5	18.6	19.2	24.1	22.2	23.2
22	11.4	9.6	10.3	12.2	11.4	11.4	20.8	19.0	20.1	22.9	21.8	22.4
23	11.7	10.5	10.9	13.4	12.1	12.7	20.3	18.6	19.6	22.9	21.9	22.4
24	11.5	10.9	11.3	14.8	13.0	13.7	18.6	17.9	18.2	23.0	22.2	22.6
25	10.9	10.2	10.6	15.5	13.6	14.2	19.2	17.5	18.2	23.0	22.1	22.6
26	11.4	10.2	10.5	16.4	14.3	15.5	18.1	17.6	17.7	24.2	22.4	23.2
27	10.9	10.0	10.3	15.9	14.6	15.2	18.5	17.5	17.9	24.6	23.3	23.7
28	10.0	9.4	9.7	15.4	14.2	15.0	19.3	17.4	17.9	25.0	23.7	24.4
29	---	---	---	15.3	13.6	14.1	19.0	17.7	18.1	24.9	24.2	24.5
30	---	---	---	14.5	13.5	13.9	19.3	18.1	18.8	24.4	23.1	23.6
31	---	---	---	14.7	14.3	14.5	---	---	---	23.1	22.5	22.8
MONTH	11.7	6.4	9.0	16.4	8.3	11.7	---	---	---	25.8	18.6	22.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
Temperature, water, degrees Celsius												
JUNE			JULY			AUGUST			SEPTEMBER			
1	22.5	21.8	22.2	29.8	26.7	27.8	29.6	28.8	29.1	29.9	29.0	29.4
2	21.8	19.4	20.8	28.8	27.1	27.8	30.3	28.5	29.3	30.5	29.0	29.7
3	20.4	19.2	19.6	28.6	27.5	28.0	30.4	29.2	29.6	30.4	29.1	29.7
4	22.7	19.7	21.3	28.5	27.5	27.9	31.4	29.6	30.4	29.9	29.1	29.4
5	23.6	21.8	22.5	28.8	28.0	28.3	31.8	30.4	30.9	29.1	28.5	28.8
6	24.4	23.4	23.9	29.4	28.0	28.7	31.1	30.2	30.6	28.5	27.8	28.1
7	26.3	23.4	25.0	29.4	28.2	28.7	30.2	29.7	29.9	27.9	27.3	27.6
8	27.9	25.6	26.5	29.7	27.5	28.3	29.9	29.2	29.4	28.0	26.9	27.4
9	27.3	26.0	26.8	28.6	27.4	27.9	29.9	29.0	29.3	27.8	26.9	27.4
10	28.0	25.7	27.1	27.9	26.8	27.3	30.2	29.5	29.7	27.4	26.6	27.1
11	27.0	26.4	26.8	27.4	26.7	26.9	30.1	29.7	29.9	27.2	26.5	26.9
12	26.8	25.6	26.2	28.6	27.2	27.5	31.1	29.8	30.2	27.5	26.1	26.8
13	26.9	26.2	26.5	29.0	27.3	28.0	30.8	30.1	30.4	27.2	25.9	26.6
14	27.6	26.6	27.3	28.7	27.3	27.8	31.2	30.3	30.7	26.9	26.0	26.4
15	29.5	27.1	28.4	28.6	27.3	27.7	31.7	30.6	31.0	28.1	26.0	27.0
16	28.9	26.5	27.5	29.4	28.3	28.7	31.9	31.0	31.5	28.4	26.9	27.7
17	28.5	26.8	27.7	29.4	28.6	29.0	32.3	31.4	31.7	28.5	27.0	27.8
18	28.7	27.5	28.0	30.1	28.1	28.7	32.1	31.3	31.5	28.9	27.4	28.1
19	28.1	27.2	27.4	30.4	28.5	29.1	31.7	31.0	31.2	28.8	27.4	28.1
20	27.9	26.7	27.3	29.8	29.1	29.4	31.9	30.8	31.3	29.2	27.8	28.3
21	27.8	26.7	27.0	31.0	28.9	29.8	32.5	31.3	31.7	29.2	28.0	28.5
22	28.0	26.5	27.1	30.1	29.2	29.7	32.6	31.1	31.7	28.9	28.1	28.5
23	29.1	27.1	27.9	31.4	29.2	30.4	31.3	30.7	30.9	29.4	28.2	28.7
24	28.7	27.6	28.2	31.5	30.5	31.0	31.3	30.5	30.7	29.0	28.2	28.6
25	28.4	27.9	28.1	31.6	30.8	31.1	30.5	30.0	30.2	28.6	28.1	28.3
26	28.2	27.5	27.8	31.8	30.7	31.4	30.3	29.4	29.8	28.1	27.7	27.9
27	28.6	27.7	28.0	32.3	31.1	31.7	30.4	29.3	29.7	28.1	27.6	27.8
28	28.3	27.8	28.0	32.6	31.1	31.9	30.8	29.3	29.8	27.8	27.3	27.4
29	28.0	27.1	27.6	31.7	31.1	31.3	29.9	29.2	29.6	28.0	27.0	27.4
30	28.7	27.0	27.7	31.1	30.0	30.5	29.4	28.7	29.0	27.3	26.4	26.9
31	---	---	---	30.0	29.1	29.6	30.0	28.7	29.4	---	---	---
MONTH	29.5	19.2	26.2	32.6	26.7	29.1	32.6	28.5	30.3	30.5	25.9	27.9

