

02167716 LITTLE SALUDA RIVER NEAR PROSPERITY, SC

WATER-QUALITY RECORDS

LOCATION.--Lat 34°04'46'', long 81°33'43'', Saluda County, Hydrologic Unit Code 03050109, at center of Hwy 391 Bridge, 2.3 mi north of Hwy 378 Traffic Circle, 16.3 mi east of Saluda, and 15.9 mi south of Prosperity.
 PERIOD OF RECORD.--Water years 1993 to current year.

PERIOD OF DAILY RECORD.--

- WATER TEMPERATURE (Top): February 1993 to current year.
- WATER TEMPERATURE (Middle, Bottom): February 1993 to September 2002 (discontinued).
- DISSOLVED OXYGEN (Top): February 1993 to current year.
- DISSOLVED OXYGEN (Middle, Bottom): February 1993 to September 2002 (discontinued).

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

REMARKS.--Temperature records rated excellent except for Oct. 1 to Jan. 10, July 31 to Aug. 9, which are good, Jan. 11-26, Aug. 10-17, which are fair, and Jan. 27 to Feb 9, which are poor. Dissolved oxygen records rated poor except for Apr. 13-15, 27-29, May 5, 6, Aug. 25-28, Sep. 8, 9, which are fair, Oct. 9-20, Apr. 8-12, 22-26, May 3, 4, July 22, Aug. 22-24, Sep. 6, 7, which are good, and Mar. 11 to Apr. 7, 16, 21, Apr. 30 to May 2, July 9-21, Aug. 17-21, Sep. 3-5, 16-30, which are excellent.

EXTREMES FOR PERIOD OF DAILY RECORD.--

- WATER TEMPERATURE (Top): Maximum, 35.1°C, Aug. 25, 2003 ; minimum, 2.5°C, Jan. 27, 2000.
- WATER TEMPERATURE (Middle): Maximum, 32.5°C, Aug. 8, 1999; minimum, 3.0°C, Jan. 27, 2000.
- WATER TEMPERATURE (Bottom): Maximum, 30.5°C, Aug. 27-30, 1993, Jul. 24, 1997, on several days during Aug. 1999; minimum, 3.5°C, on several days during Jan., Feb. 1, 2, 2000.
- DISSOLVED OXYGEN (Top): Maximum, 17.2 mg/L, May 12, 1998; minimum, 0.0 mg/L, Oct. 2, 4, 5, 1994, on many days during 1993-99.
- DISSOLVED OXYGEN (Middle): Maximum, 16.6 mg/L, Nov. 8, 2001; minimum, 0.0 mg/L, on many days several years.
- DISSOLVED OXYGEN (Bottom): Maximum, 17.8 mg/L, Feb. 6, 2001; minimum, 0.0 mg/L, on many days several years.

EXTREMES FOR CURRENT WATER YEAR.--

- WATER TEMPERATURE (Top): Maximum, 33.5°C, July 13; minimum, 4.3°C, Jan. 28.
- DISSOLVED OXYGEN (Top): Maximum, 14.7 mg/L, Mar. 28; minimum, 2.0 mg/L, Aug. 7, 8.

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	24.3	22.9	23.6	20.3	18.5	19.4	11.9	10.7	11.2	8.3	7.3	7.6
2	24.0	22.1	22.9	21.6	18.6	19.6	12.2	10.4	11.1	8.7	7.4	8.0
3	23.6	21.2	22.1	22.3	19.8	20.9	10.5	9.6	9.9	9.3	7.9	8.4
4	22.5	21.0	21.6	22.1	20.7	21.3	9.6	8.6	9.0	10.0	8.5	9.1
5	23.6	21.0	22.0	23.0	20.9	21.8	8.7	8.2	8.4	11.0	9.2	10.1
6	23.5	21.8	22.4	23.8	22.1	22.6	8.9	7.7	8.3	11.0	10.3	10.7
7	22.8	21.4	22.1	22.3	21.3	21.8	8.7	7.7	8.1	10.3	9.5	9.9
8	22.1	21.4	21.6	21.3	18.7	20.0	9.0	7.7	8.1	9.7	8.8	9.4
9	21.8	21.2	21.4	18.7	17.0	17.9	9.6	7.5	7.9	9.0	8.3	8.7
10	21.2	20.8	20.9	17.7	16.5	17.0	8.8	7.9	8.3	8.3	7.8	8.0
11	20.8	20.4	20.6	19.3	16.3	17.6	8.3	7.3	7.9	8.6	7.5	7.9
12	22.0	20.3	21.0	18.7	16.6	17.5	8.4	7.6	8.0	7.8	6.8	7.3
13	24.4	21.3	22.4	17.5	16.2	16.9	8.1	7.2	7.6	8.2	7.2	7.6
14	23.7	21.6	22.9	16.6	15.4	16.0	7.4	6.5	6.8	8.6	7.3	7.8
15	22.2	20.8	21.4	16.4	14.9	15.4	7.8	6.0	6.7	8.8	7.7	8.1
16	22.7	20.6	21.4	16.5	14.7	15.4	7.3	6.3	6.6	9.0	7.8	8.2
17	22.5	20.5	21.2	17.0	15.2	15.9	7.1	6.2	6.6	8.2	7.6	7.9
18	21.5	20.0	20.7	17.3	15.6	16.2	6.5	5.8	6.1	8.9	7.8	8.4
19	23.5	19.5	21.3	17.3	16.4	16.8	6.1	5.5	5.9	9.2	8.5	8.7
20	22.2	20.1	21.1	18.0	16.2	16.8	6.0	5.3	5.7	9.1	8.0	8.5
21	21.5	20.2	20.9	18.6	15.9	16.8	7.0	5.2	5.9	8.7	7.7	8.1
22	21.5	19.9	20.6	18.2	15.7	16.7	6.5	5.1	5.6	8.6	7.6	7.9
23	21.1	19.6	20.3	18.1	15.5	16.4	6.6	5.4	5.9	8.4	7.3	7.8
24	20.5	18.9	19.6	16.5	15.4	15.9	7.0	5.9	6.5	8.2	7.1	7.6
25	20.5	18.7	19.4	15.5	14.7	15.1	8.1	6.2	6.8	8.0	6.8	7.6
26	19.7	18.6	19.0	16.1	14.1	14.8	7.1	6.2	6.6	6.9	5.9	6.4
27	19.2	18.7	18.9	14.8	14.0	14.3	7.0	6.0	6.4	5.9	5.1	5.6
28	18.7	18.3	18.6	14.7	13.0	14.2	7.5	6.1	6.7	5.5	4.3	4.8
29	19.1	18.0	18.4	13.3	11.8	12.4	7.4	6.5	6.8	5.4	4.4	4.8
30	20.1	17.8	18.7	11.8	11.1	11.5	8.0	6.6	7.4	5.2	4.5	4.9
31	20.8	17.9	19.3	---	---	---	8.6	7.2	7.7	5.7	4.8	5.1
MONTH	24.4	17.8	20.9	23.8	11.1	17.2	12.2	5.1	7.4	11.0	4.3	7.8

SANTEE RIVER BASIN

02167716 LITTLE 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	---	---	---	11.2	7.7	9.4	10.1	8.4	9.0	10.1	9.5	9.8
2	---	---	---	12.2	8.9	10.4	10.2	8.3	8.9	10.0	9.4	9.7
3	---	---	---	11.8	9.2	10.1	9.0	7.9	8.5	9.9	9.2	9.5
4	---	---	---	10.8	7.9	9.5	8.9	8.6	8.7	10.0	8.9	9.4
5	---	---	---	---	---	---	9.1	8.4	8.7	9.6	8.8	9.2
6	---	---	---	---	---	---	9.2	8.5	8.8	9.5	8.6	9.0
7	---	---	---	---	---	---	9.0	7.7	8.6	9.7	8.7	9.0
8	---	---	---	---	---	---	---	---	---	9.4	8.4	8.9
9	---	---	---	---	---	---	---	---	---	9.0	8.0	8.8
10	7.2	6.2	6.6	---	---	---	---	---	---	9.0	8.6	8.8
11	6.6	5.7	6.2	---	---	---	---	---	---	9.4	8.6	9.0
12	9.0	5.3	7.1	---	---	---	11.4	10.1	10.5	9.9	9.0	9.4
13	11.8	7.6	9.6	---	---	---	11.4	8.8	10.4	10.2	9.3	9.7
14	11.3	7.3	9.8	10.4	7.7	8.7	10.3	9.2	10.1	10.3	9.4	9.8
15	11.4	7.3	9.0	10.3	7.3	8.6	11.2	9.9	10.4	10.3	9.5	9.9
16	12.1	7.2	9.2	10.6	6.7	8.7	11.7	10.2	10.8	10.9	9.5	9.9
17	13.4	8.3	10.0	10.4	8.4	9.5	11.2	10.2	10.5	10.3	9.4	9.9
18	10.5	7.2	9.0	10.6	8.4	9.4	11.2	10.0	10.5	11.0	9.6	10.0
19	12.9	7.9	10.5	9.2	7.7	8.5	13.0	10.1	10.8	10.5	9.6	10.0
20	12.1	9.2	10.7	10.5	7.7	8.8	11.3	10.5	10.8	10.9	9.9	10.3
21	10.9	7.9	9.9	10.5	7.3	9.1	11.7	9.4	11.0	11.3	9.7	10.4
22	10.2	7.5	8.9	11.0	7.6	9.5	11.5	10.7	11.1	11.0	9.9	10.5
23	11.0	7.3	9.0	10.9	7.0	9.3	11.3	10.7	10.9	11.4	10.4	10.8
24	10.8	5.6	8.4	9.9	7.4	8.6	11.1	10.5	10.8	11.3	10.4	10.9
25	10.9	7.5	9.0	9.1	7.5	8.2	11.6	10.5	11.0	11.1	9.9	10.6
26	10.9	8.2	9.4	10.3	7.7	8.8	11.4	10.3	10.8	10.5	10.2	10.3
27	9.8	7.5	8.7	9.5	7.4	8.6	11.0	10.2	10.7	10.8	10.2	10.5
28	8.0	6.3	7.2	9.3	7.8	8.2	10.9	10.4	10.7	11.6	10.5	10.9
29	9.0	5.8	7.3	9.1	7.8	8.2	10.7	10.2	10.4	11.9	10.9	11.3
30	9.6	6.1	7.7	9.1	8.1	8.5	10.4	9.8	10.1	12.0	11.2	11.6
31	10.4	7.0	8.7	---	---	---	10.3	9.0	9.9	12.0	11.4	11.7
MONTH	---	---	---	---	---	---	---	---	---	12.0	8.0	10.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	12.3	11.5	11.9	10.1	9.6	9.9	11.0	9.7	10.3	11.3	9.0	10.0
2	12.1	11.6	11.8	10.0	6.6	9.1	10.2	9.3	9.7	10.3	8.3	9.6
3	11.9	11.5	11.7	9.8	7.9	9.0	11.4	9.0	10.2	9.1	7.4	8.2
4	11.8	10.8	11.4	11.6	9.5	10.5	11.4	9.3	10.4	10.0	6.9	8.4
5	12.1	9.6	10.7	10.8	10.3	10.6	11.7	9.3	10.5	10.0	7.8	9.1
6	---	---	---	10.3	9.1	9.5	12.0	10.0	11.0	10.0	7.9	9.0
7	---	---	---	9.5	8.3	9.0	11.7	10.3	11.0	10.5	8.5	9.4
8	---	---	---	---	---	---	11.0	9.9	10.5	10.9	8.6	9.8
9	---	---	---	---	---	---	11.8	9.6	10.7	11.5	9.5	10.3
10	13.3	10.4	11.7	---	---	---	12.0	10.6	11.2	10.2	8.6	9.7
11	---	---	---	---	---	---	12.1	10.4	11.2	10.8	8.9	9.9
12	---	---	---	10.8	9.4	9.9	11.3	9.2	10.3	9.8	8.1	9.0
13	---	---	---	11.0	6.1	9.8	10.0	8.4	9.3	9.9	7.4	8.6
14	---	---	---	11.7	6.0	10.3	9.9	8.4	9.1	9.5	7.7	8.6
15	---	---	---	12.6	6.9	11.4	11.7	8.8	10.1	8.4	7.0	7.9
16	---	---	---	11.0	6.3	8.5	12.2	10.3	11.3	8.0	6.4	7.3
17	---	---	---	11.1	9.7	10.3	12.0	10.9	11.4	8.0	6.0	7.1
18	---	---	---	10.6	9.7	10.1	11.5	10.3	11.0	7.4	6.2	6.7
19	---	---	---	11.4	9.6	10.4	11.0	10.2	10.6	7.6	6.0	6.7
20	9.5	7.8	9.2	11.0	6.3	9.9	12.0	9.5	10.8	7.4	5.2	6.3
21	9.8	9.1	9.2	11.1	9.8	10.4	11.1	9.9	10.5	6.9	5.3	6.3
22	9.4	8.8	9.0	11.5	9.9	10.6	11.0	9.2	10.1	6.6	5.2	5.8
23	9.3	8.5	8.9	12.5	10.0	11.2	10.7	9.0	9.9	---	---	---
24	9.2	8.3	8.7	13.0	9.7	11.5	10.6	8.5	9.7	---	---	---
25	8.8	8.4	8.6	13.1	10.8	11.9	10.8	9.2	10.0	---	---	---
26	9.7	8.2	8.7	14.2	11.8	12.7	9.5	8.0	9.0	---	---	---
27	10.1	8.6	9.6	14.2	12.0	13.1	8.8	7.2	7.9	---	---	---
28	10.5	7.7	9.9	14.7	12.3	13.3	9.3	6.4	7.7	---	---	---
29	10.5	8.0	9.9	14.4	11.2	12.5	11.7	7.7	9.5	---	---	---
30	---	---	---	13.1	9.5	11.5	11.5	9.2	10.2	---	---	---
31	---	---	---	11.5	9.2	10.6	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	12.2	6.4	10.2	---	---	---

SANTEE RIVER BASIN

02167716 LITTLE 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
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	7.0	2.7	4.6	6.1	4.0	5.1	9.7	3.7	5.7
2	9.4	6.6	8.1	7.0	3.9	5.3	5.9	3.2	4.4	7.3	4.2	5.6
3	9.3	7.4	8.3	7.0	2.5	5.0	5.7	2.8	4.0	7.7	4.0	5.7
4	8.6	6.8	7.7	7.7	3.8	5.5	6.2	3.4	4.6	8.0	5.0	6.4
5	8.3	6.1	7.2	7.2	3.4	5.2	5.9	4.2	5.1	7.7	5.0	6.2
6	8.4	6.4	7.3	7.2	3.7	5.0	4.5	2.6	3.5	6.8	5.2	5.8
7	7.9	6.3	7.2	---	---	---	5.7	2.0	3.3	5.8	5.0	5.3
8	---	---	---	---	---	---	5.4	2.0	3.6	5.8	4.0	4.9
9	---	---	---	---	---	---	4.8	2.7	3.6	4.1	2.6	3.4
10	---	---	---	9.6	7.3	8.5	5.4	3.1	4.2	6.0	2.5	4.2
11	11.3	8.3	9.8	9.6	7.0	7.8	5.6	2.7	4.2	6.3	3.0	4.7
12	11.3	6.0	9.4	9.2	6.5	7.7	---	---	---	5.9	3.8	4.8
13	8.8	6.2	7.4	9.0	6.6	7.9	---	---	---	6.4	4.1	5.2
14	8.1	5.9	6.7	8.5	4.6	7.2	---	---	---	6.2	4.2	5.2
15	8.7	5.8	7.2	8.0	4.6	6.2	---	---	---	6.8	4.5	5.4
16	8.6	6.1	7.2	8.6	4.1	6.3	---	---	---	6.3	4.2	5.2
17	7.1	4.9	6.3	8.6	5.2	6.8	---	---	---	5.1	4.2	4.7
18	---	---	---	8.4	4.8	6.1	9.8	7.1	8.3	7.3	4.4	5.4
19	---	---	---	9.0	4.5	5.9	9.8	7.9	8.8	6.2	3.9	5.1
20	---	---	---	8.0	5.6	6.7	9.8	7.5	8.9	6.3	4.2	5.3
21	---	---	---	8.4	6.5	7.4	9.0	6.4	7.8	7.8	4.7	6.1
22	---	---	---	9.2	6.6	7.9	7.9	5.8	6.8	7.3	4.7	5.5
23	9.4	5.0	6.8	9.0	7.0	7.8	8.6	5.2	6.7	9.2	4.4	5.8
24	8.8	5.3	6.7	8.5	6.0	7.1	8.8	6.0	7.3	8.3	6.2	7.5
25	9.0	4.7	7.1	8.0	5.2	6.7	8.5	6.0	7.1	7.6	6.1	6.8
26	8.6	4.4	6.1	7.0	5.2	6.1	8.5	6.0	6.9	6.8	5.6	6.1
27	8.4	4.6	6.6	6.3	3.4	5.0	8.2	5.7	6.4	5.9	4.6	5.2
28	5.0	2.3	3.4	6.7	3.1	4.4	8.6	5.6	7.2	5.2	3.9	4.3
29	5.1	2.0	3.3	5.4	3.1	4.4	7.6	5.9	6.8	4.8	2.5	3.4
30	5.7	2.7	4.3	6.9	2.8	4.4	8.1	4.5	6.4	7.3	2.5	4.6
31	---	---	---	7.0	4.1	5.1	8.3	4.8	6.0	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	9.7	2.5	5.3