

02171500 SANTEE RIVER NEAR PINEVILLE, SC--Continued

PERIOD OF RECORD.--April 2005 to September 2005.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: April 2005 to September 2005.

DISSOLVED OXYGEN: April 2005 to September 2005.

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

REMARKS.--Temperature records rated excellent. Dissolved oxygen records rated good except for July 6 to Aug. 18, which are poor.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 32.7°C, July 28, 2005; minimum, 13.2°C, Apr. 1, 2005 (but may have been lower during periods of missing record).

DISSOLVED OXYGEN: Maximum, 11.1 mg/L, Apr. 3, 2005 (but may have been higher during periods of missing record); minimum, 3.4 mg/L, Aug. 9, 2005 (but may have been lower during periods of missing record).

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 32.7°C, July 28; minimum, 13.2°C, Apr. 1, (but may have been lower during periods of missing record).

DISSOLVED OXYGEN: Maximum, 11.1 mg/L, Apr. 3 (but may have been higher during periods of missing record); minimum, 3.4 mg/L, Aug. 9 (but may have been lower during periods of missing record).

Dissolved oxygen, water, unfiltered, milligrams per liter
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	---	---	---	---	---	---	10.9	9.2	9.9	8.6	8.1	8.3
2	---	---	---	---	---	---	11.0	10.3	10.7	8.5	8.0	8.2
3	---	---	---	---	---	---	11.1	10.2	10.7	8.9	8.2	8.5
4	---	---	---	---	---	---	10.3	9.9	10.2	8.6	7.9	8.2
5	---	---	---	---	---	---	10.1	9.9	10.0	8.0	7.6	7.8
6	---	---	---	---	---	---	10.2	9.9	10.0	9.0	7.9	8.5
7	---	---	---	---	---	---	10.0	9.3	9.8	9.1	8.4	8.7
8	---	---	---	---	---	---	9.5	8.5	9.2	9.5	8.2	8.8
9	---	---	---	---	---	---	8.5	8.1	8.2	9.4	8.3	8.8
10	---	---	---	---	---	---	8.3	8.0	8.2	9.3	8.3	8.7
11	---	---	---	---	---	---	8.3	8.0	8.2	8.9	8.2	8.5
12	---	---	---	---	---	---	8.1	7.7	7.9	8.8	7.7	8.3
13	---	---	---	---	---	---	8.9	7.7	8.1	8.5	7.3	7.9
14	---	---	---	---	---	---	9.0	8.5	8.7	7.8	6.9	7.3
15	---	---	---	---	---	---	9.1	8.5	8.8	8.2	7.1	7.7
16	---	---	---	---	---	---	9.2	8.6	8.9	7.7	7.0	7.3
17	---	---	---	---	---	---	9.4	8.6	8.9	7.4	6.7	7.1
18	---	---	---	---	---	---	9.1	8.4	8.7	7.4	6.5	6.9
19	---	---	---	---	---	---	9.2	8.3	8.7	7.4	6.4	6.9
20	---	---	---	---	---	---	9.2	8.3	8.7	7.2	6.3	6.7
21	---	---	---	---	---	---	9.2	8.3	8.7	7.2	6.6	6.8
22	---	---	---	---	---	---	8.9	8.3	8.5	7.3	6.6	7.0
23	---	---	---	---	---	---	8.9	8.1	8.5	7.6	6.6	7.1
24	---	---	---	---	---	---	9.4	8.6	9.1	7.4	6.7	7.1
25	---	---	---	---	---	---	9.1	8.6	8.9	7.3	6.7	7.0
26	---	---	---	---	---	---	8.8	8.3	8.5	7.5	6.8	7.1
27	---	---	---	---	---	---	9.2	8.3	8.7	7.4	6.8	7.1
28	---	---	---	---	---	---	8.8	8.3	8.6	7.3	6.8	7.0
29	---	---	---	---	---	---	8.7	8.2	8.5	7.4	6.7	7.0
30	---	---	---	---	---	---	8.6	8.2	8.4	7.1	6.5	6.8
31	---	---	---	---	---	---	---	---	---	6.9	6.4	6.6
MONTH	---	---	---	---	---	---	11.1	7.7	9.0	9.5	6.3	7.6

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Dissolved oxygen, water, unfiltered, milligrams per liter
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	6.7	6.4	6.5	7.3	5.8	6.5	5.3	4.2	4.8	6.6	5.5	6.1
2	6.9	6.3	6.5	7.2	5.7	6.5	5.5	4.5	4.9	6.3	5.1	5.7
3	6.5	6.1	6.3	6.2	4.2	5.6	5.4	4.7	5.0	6.5	5.5	6.0
4	6.7	6.2	6.4	5.3	4.3	5.0	5.3	4.6	4.9	6.5	5.5	6.0
5	7.1	5.9	6.4	6.5	5.0	5.9	5.2	4.3	4.7	6.2	5.5	5.8
6	6.8	5.8	6.3	7.5	5.7	6.4	5.0	4.0	4.4	6.6	5.6	6.0
7	6.2	5.6	5.9	7.2	5.6	6.6	6.7	3.9	5.0	7.1	6.1	6.4
8	6.0	5.0	5.6	7.8	5.6	6.7	4.2	3.5	3.9	6.9	6.0	6.5
9	5.5	4.7	5.1	6.6	4.9	5.7	4.2	3.4	3.8	6.8	6.1	6.4
10	5.0	4.2	4.7	5.5	4.5	5.0	4.8	3.6	4.2	7.2	6.3	6.7
11	4.6	4.2	4.4	5.7	4.4	4.9	5.2	3.8	4.6	7.3	6.6	6.9
12	4.6	4.0	4.3	6.6	4.5	5.4	5.1	4.4	4.8	7.3	6.7	6.9
13	---	---	---	7.1	5.0	6.0	4.7	4.1	4.4	7.2	6.6	6.9
14	---	---	---	6.5	5.5	5.8	5.6	4.0	4.7	7.3	6.6	6.9
15	7.2	5.8	6.5	6.5	4.8	5.6	6.0	3.7	4.9	7.6	6.7	7.1
16	7.2	6.2	6.6	6.1	4.3	5.1	6.8	4.6	5.9	7.2	6.4	6.7
17	6.7	6.1	6.4	6.1	3.9	5.3	7.2	5.2	6.1	7.3	6.3	6.7
18	6.1	4.5	5.5	---	---	---	6.2	5.0	5.9	7.0	6.1	6.6
19	5.5	4.5	5.0	---	---	---	6.5	4.6	5.5	7.0	6.0	6.4
20	6.5	5.0	5.8	---	---	---	6.7	5.3	6.0	6.7	5.7	6.1
21	6.2	5.3	5.8	6.6	5.5	6.0	6.6	5.2	5.8	6.6	5.7	6.1
22	7.1	5.8	6.4	6.5	5.5	5.9	6.3	4.8	5.6	5.9	5.1	5.4
23	6.9	5.9	6.3	6.2	5.3	5.8	6.1	4.8	5.4	6.4	4.8	5.5
24	5.9	5.0	5.5	5.7	4.9	5.2	6.0	4.4	5.0	6.5	5.2	5.9
25	5.7	4.6	5.0	6.2	4.8	5.4	5.2	4.1	4.7	5.5	4.7	5.2
26	6.4	5.5	5.9	6.9	5.1	6.0	5.3	4.6	4.9	6.4	4.4	5.3
27	6.3	5.5	5.8	6.6	5.6	6.0	5.1	4.5	4.8	7.5	5.8	6.6
28	5.7	5.2	5.4	6.4	5.2	5.8	5.2	4.5	4.8	6.2	4.0	4.9
29	5.8	4.9	5.3	5.8	4.5	5.2	5.1	4.2	4.7	5.1	3.5	4.3
30	7.3	5.2	6.3	5.0	4.3	4.6	5.4	4.1	4.7	5.8	4.2	4.9
31	---	---	---	5.2	4.2	4.6	7.0	5.2	6.0	---	---	---
MONTH	---	---	---	---	---	---	7.2	3.4	5.0	7.6	3.5	6.1

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

DAY	MAX	MIN	MEAN	FEBRUARY			MARCH			APRIL			MAY		
				MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	14.1	13.2	13.7	19.1	17.8	18.4			
2	---	---	---	---	---	---	14.8	13.6	14.3	19.5	17.4	18.4			
3	---	---	---	---	---	---	14.8	13.9	14.4	19.8	18.2	18.9			
4	---	---	---	---	---	---	15.5	14.3	14.8	19.5	18.0	18.7			
5	---	---	---	---	---	---	15.6	14.8	15.2	18.2	17.5	17.7			
6	---	---	---	---	---	---	15.5	14.9	15.2	18.8	17.4	18.0			
7	---	---	---	---	---	---	16.0	15.1	15.5	19.9	17.5	18.6			
8	---	---	---	---	---	---	17.0	15.6	16.2	21.2	18.1	19.6			
9	---	---	---	---	---	---	16.8	16.0	16.4	21.7	18.8	20.2			
10	---	---	---	---	---	---	17.3	15.5	16.4	21.8	19.3	20.4			
11	---	---	---	---	---	---	18.0	15.7	16.8	21.6	20.0	20.7			
12	---	---	---	---	---	---	17.0	15.9	16.5	22.6	20.1	21.3			
13	---	---	---	---	---	---	17.5	16.5	17.0	22.6	20.1	21.3			
14	---	---	---	---	---	---	17.0	15.9	16.5	21.8	19.5	20.5			
15	---	---	---	---	---	---	17.2	15.7	16.3	23.5	20.4	21.8			
16	---	---	---	---	---	---	17.1	15.5	16.2	22.6	20.5	21.5			
17	---	---	---	---	---	---	17.5	15.5	16.4	21.7	20.2	21.0			
18	---	---	---	---	---	---	17.8	15.4	16.5	22.0	19.9	20.8			
19	---	---	---	---	---	---	18.1	15.8	16.8	23.1	20.2	21.4			
20	---	---	---	---	---	---	18.3	16.2	17.1	22.8	21.0	21.9			
21	---	---	---	---	---	---	19.2	16.9	17.8	22.3	21.0	21.7			
22	---	---	---	---	---	---	19.0	17.2	18.1	22.9	20.6	21.8			
23	---	---	---	---	---	---	19.1	17.4	18.3	24.1	22.1	23.1			
24	---	---	---	---	---	---	17.4	16.0	16.9	24.1	22.4	23.2			
25	---	---	---	---	---	---	17.8	15.4	16.6	23.0	21.6	22.3			
26	---	---	---	---	---	---	17.5	16.6	17.0	23.6	21.3	22.4			
27	---	---	---	---	---	---	18.6	16.9	17.6	24.0	22.0	22.8			
28	---	---	---	---	---	---	18.7	16.7	17.6	24.2	22.2	23.2			
29	---	---	---	---	---	---	18.5	16.9	17.6	24.5	22.7	23.5			
30	---	---	---	---	---	---	18.6	17.7	18.1	23.2	22.4	22.6			
31	---	---	---	---	---	---	---	---	---	22.6	22.3	22.4			
MONTH	---	---	---	---	---	---	19.2	13.2	16.5	24.5	17.4	21.0			

DAY	MAX	MIN	MEAN	Temperature, water, degrees Celsius			MAX	MIN	MEAN	MAX	MIN	MEAN			
				MAX	MIN	MEAN									
				JUNE			JULY			AUGUST			SEPTEMBER		
1	22.4	22.1	22.3	29.1	26.7	27.8	29.9	28.9	29.3	30.3	28.8	29.5			
2	23.8	22.2	22.8	29.4	27.7	28.4	30.5	28.8	29.5	29.8	28.2	28.8			
3	23.1	22.4	22.7	28.8	26.4	27.7	30.5	28.6	29.4	29.5	28.0	28.6			
4	23.3	22.6	22.9	28.9	26.4	27.6	30.3	28.6	29.3	29.3	27.8	28.4			
5	24.8	22.7	23.6	30.1	28.1	29.0	29.8	28.7	29.1	28.7	27.4	28.0			
6	25.4	23.3	24.2	30.7	28.9	29.6	29.6	28.6	29.0	28.1	27.1	27.6			
7	25.5	23.6	24.3	30.0	28.7	29.2	29.0	28.5	28.7	28.0	26.6	27.2			
8	25.0	23.4	24.2	30.5	28.6	29.4	29.4	28.3	28.7	27.9	26.5	27.0			
9	25.1	23.4	24.1	29.0	27.9	28.5	29.4	28.2	28.7	27.7	26.3	26.8			
10	24.6	22.9	23.8	28.5	27.7	28.0	29.8	28.3	28.9	27.3	25.8	26.4			
11	24.3	23.0	23.7	29.0	27.7	28.2	29.3	28.1	28.7	26.7	25.6	26.0			
12	25.1	23.5	24.2	30.4	28.1	29.1	30.1	28.3	29.0	25.9	25.2	25.5			
13	---	---	---	30.1	28.4	29.1	29.5	28.4	28.8	25.6	25.0	25.3			
14	---	---	---	29.7	28.5	28.9	30.3	28.5	29.2	25.3	24.8	25.1			
15	28.5	26.0	27.2	30.1	28.5	29.1	30.5	28.5	29.4	26.7	24.7	25.6			
16	29.5	27.2	28.3	30.3	28.5	29.2	30.8	28.7	29.6	27.1	25.2	26.1			
17	28.4	27.4	28.1	30.6	28.4	29.3	31.2	29.2	29.9	27.5	26.0	26.6			
18	27.4	25.1	26.5	30.7	28.4	29.3	30.4	29.3	29.7	27.6	25.8	26.6			
19	26.8	25.0	25.8	31.0	29.0	29.8	30.9	28.9	29.8	27.6	26.0	26.6			
20	27.3	25.4	26.2	31.5	29.3	30.2	32.0	29.8	30.8	27.1	25.6	26.3			
21	27.4	25.5	26.4	31.0	29.3	30.0	32.0	30.2	30.9	27.3	25.8	26.5			
22	28.3	26.1	27.1	31.3	29.4	30.1	31.5	29.8	30.6	26.4	25.5	26.0			
23	28.6	26.6	27.4	31.0	29.4	30.0	30.9	29.5	30.1	27.6	25.6	26.5			
24	27.2	26.0	26.5	30.5	29.0	29.6	30.5	29.2	29.7	27.7	26.3	27.0			
25	26.1	25.7	25.9	30.8	28.7	29.7	29.4	28.8	29.1	26.7	26.0	26.3			
26	27.1	25.8	26.4	31.8	29.6	30.7	29.0	28.5	28.7	27.5	25.6	26.5			
27	27.2	26.1	26.5	32.3	30.5	31.3	29.3	28.3	28.7	27.8	26.9	27.3			
28	26.6	26.2	26.4	32.7	30.8	31.6	29.7	28.1	28.7	26.9	26.0	26.5			
29	27.4	26.0	26.6	31.6	29.8	30.8	29.8	28.0	28.8	27.6	25.7	26.5			
30	29.0	26.7	27.7	30.1	29.5	29.8	29.8	28.2	28.9	26.8	25.9	26.4			
31	---	---	---	29.8	29.2	29.5	30.2	28.6	29.4	---	---	---			
MONTH	---	---	---	32.7	26.4	29.4	32.0	28.0	29.3	30.3	24.7	26.8			