

## WACCAMAW RIVER BASIN

02110802 WACCAMAW RIVER AT BUCKSPORT, SC

## WATER-QUALITY RECORDS

LOCATION.--Lat 33°38'56'', long 79°05'40'', Horry County, Hydrologic Unit 03040206, on left bank across from Bucksport Plantation Marina, 1.0 mi. southwest of Bucksport, 3.9 mi upstream from Bull Creek at mile 25.2.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1984 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1983 to September 1995 (discontinued).

pH: February 1986 to September 1989 (discontinued).

WATER TEMPERATURE: February 1986 to current year.

DISSOLVED OXYGEN: April 1986 to current year.

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

REMARKS.--Temperature records rated excellent. Dissolved oxygen records rated excellent except for Jan. 9-15, June 17-23, which are good.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 270 microsiemens, Jun. 2, 1985; minimum, 40 microsiemens, many days 1983, 1984, 1985.

pH: Maximum, 7.8 units, Sep. 1, 2, 11, 1986; minimum, 5.0 units, Aug. 16, 1987.

WATER TEMPERATURE: Maximum, 32.5°C, Aug. 5, 1987, Aug. 1, 2, 1999; minimum, 0.5°C, Dec. 26-28, 1989.

DISSOLVED OXYGEN: Maximum, 11.8 mg/L, Jan. 11, 12, 2002; minimum, 0.0 mg/L, Sep. 12-31, 1996.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 30.9°C, July 15; minimum, 4.7°C, Feb. 2.

DISSOLVED OXYGEN: Maximum, 10.8 mg/L, Feb. 2, 3; minimum, 0.2 mg/L, Sep. 24-26, 29, 30.

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	22.0	20.9	21.5	18.0	17.4	17.8	13.2	12.7	13.0	7.9	7.5	7.7
2	21.4	20.3	21.0	18.1	17.3	17.7	12.8	12.1	12.4	8.1	7.6	7.8
3	20.4	19.4	20.1	18.4	17.7	18.1	12.1	11.3	11.7	8.9	7.9	8.4
4	20.0	19.5	19.7	19.3	18.4	18.9	11.4	10.4	10.9	10.0	8.8	9.4
5	20.5	19.4	19.9	20.2	19.2	19.7	10.6	10.2	10.4	11.3	9.9	10.6
6	20.8	19.8	20.2	20.8	19.9	20.4	10.5	10.1	10.3	11.4	10.9	11.2
7	20.8	20.3	20.5	20.9	20.4	20.7	10.2	9.7	9.9	10.9	10.1	10.5
8	20.7	20.5	20.6	20.8	20.0	20.4	9.7	9.3	9.5	10.2	9.6	9.8
9	21.2	20.4	20.8	20.0	17.4	18.6	9.6	9.0	9.3	9.8	9.1	9.4
10	21.0	20.8	20.9	17.7	16.5	16.9	10.3	9.5	9.8	9.1	8.2	8.7
11	20.9	20.7	20.8	16.8	16.1	16.5	10.5	9.9	10.2	8.2	7.2	7.6
12	21.1	20.4	20.8	17.2	16.2	16.7	10.1	9.6	9.9	7.5	6.8	7.2
13	21.5	20.4	21.0	17.0	16.1	16.7	9.9	9.4	9.6	7.3	6.9	7.1
14	21.4	20.9	21.2	16.1	15.4	15.8	9.6	8.9	9.2	7.3	6.7	7.1
15	21.3	20.2	20.7	15.5	14.7	15.1	9.0	8.5	8.8	7.8	6.9	7.4
16	20.6	19.8	20.1	15.2	14.5	14.9	8.8	8.4	8.6	7.5	6.7	7.2
17	20.1	19.4	19.7	15.6	14.8	15.1	9.2	8.7	9.0	7.3	6.6	7.0
18	19.9	19.2	19.5	15.7	15.0	15.3	8.9	8.5	8.7	8.7	7.1	7.9
19	19.7	19.0	19.3	16.3	15.6	16.0	8.6	8.3	8.4	8.9	8.2	8.6
20	19.4	18.8	19.0	16.0	15.4	15.7	8.3	7.6	8.0	8.4	7.6	8.0
21	19.4	18.7	19.0	15.7	15.1	15.4	7.7	7.2	7.4	7.7	7.3	7.6
22	19.4	18.9	19.2	15.6	14.8	15.2	7.5	6.9	7.2	7.9	7.2	7.5
23	18.9	18.6	18.8	15.6	14.7	15.2	8.1	7.0	7.4	7.8	7.3	7.6
24	18.8	18.1	18.3	15.8	14.8	15.3	8.7	7.7	8.1	7.8	7.1	7.5
25	18.3	17.4	18.0	15.6	15.0	15.3	8.5	7.6	8.1	7.7	6.5	7.2
26	19.1	18.2	18.6	15.3	14.7	15.0	7.9	7.1	7.5	6.6	5.3	6.0
27	19.6	18.9	19.2	15.4	14.8	15.1	7.4	6.7	7.1	5.8	5.3	5.5
28	19.4	19.3	19.4	15.7	15.1	15.4	7.2	6.7	7.0	5.8	5.1	5.4
29	19.4	18.8	19.1	15.1	13.8	14.3	7.4	6.8	7.1	5.7	5.0	5.3
30	18.8	18.1	18.5	13.8	13.2	13.5	8.2	7.3	7.8	5.6	5.1	5.3
31	18.4	17.6	18.1	---	---	---	8.1	7.6	7.8	5.5	5.2	5.3
MONTH	22.0	17.4	19.8	20.9	13.2	16.6	13.2	6.7	9.0	11.4	5.0	7.7



## WACCAMAW RIVER BASIN

02110802 WACCAMAW RIVER AT BUCKSPORT, SC--Continued

Dissolved oxygen, water, unfiltered, milligrams per liter  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
				MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	5.8	4.1	4.8	5.5	4.5	4.9	6.6	6.0	6.1	9.2	9.0	9.1			
2	5.3	4.3	4.8	5.8	4.5	4.8	7.0	6.2	6.5	9.2	9.1	9.1			
3	5.4	4.4	4.8	5.5	4.4	4.7	7.6	6.5	6.9	9.1	9.0	9.0			
4	5.2	4.5	4.9	5.0	4.2	4.4	8.4	6.9	7.6	9.1	8.8	8.9			
5	4.9	4.1	4.4	4.4	3.9	4.2	8.3	7.5	7.8	9.3	8.6	8.8			
6	4.7	4.2	4.3	4.3	3.9	4.1	8.2	7.3	7.6	9.0	8.6	8.7			
7	4.7	4.2	4.3	4.2	3.8	4.1	8.8	7.5	8.0	9.0	8.6	8.7			
8	5.2	4.3	4.7	4.3	3.7	4.0	9.1	7.7	8.3	8.8	8.6	8.7			
9	4.9	4.7	4.8	4.9	4.0	4.5	9.3	7.9	8.4	9.0	8.6	8.7			
10	4.9	4.3	4.5	5.5	4.7	4.9	9.3	7.9	8.5	9.4	8.6	8.9			
11	4.6	4.1	4.3	5.0	4.6	4.8	8.6	7.7	8.0	9.6	8.8	9.1			
12	4.8	4.0	4.2	4.8	4.5	4.6	8.5	7.6	7.9	9.4	9.0	9.2			
13	4.9	3.8	4.1	5.3	4.7	5.0	8.6	7.7	8.0	9.8	9.2	9.3			
14	4.8	3.7	4.0	5.8	5.1	5.3	8.8	7.9	8.3	10.4	9.2	9.5			
15	4.3	3.8	4.1	6.0	5.3	5.5	8.0	7.9	7.9	9.8	9.2	9.4			
16	4.9	4.1	4.4	6.2	5.5	5.7	8.2	7.8	8.0	9.8	9.2	9.4			
17	5.0	4.4	4.6	5.8	5.6	5.7	8.4	7.9	8.1	9.9	9.2	9.5			
18	5.8	4.5	4.9	6.3	5.5	5.7	8.4	8.2	8.3	10.4	9.2	9.6			
19	6.3	4.9	5.3	6.4	5.5	5.7	8.7	8.3	8.5	9.9	9.2	9.4			
20	6.1	5.1	5.3	6.2	5.7	5.8	9.2	8.6	8.7	10.2	9.2	9.6			
21	5.9	5.1	5.4	6.4	5.7	5.8	9.4	8.7	8.9	10.0	9.3	9.6			
22	5.8	5.4	5.5	6.3	5.6	5.7	9.4	8.9	9.0	9.9	9.3	9.6			
23	6.3	5.4	5.8	6.6	5.5	5.8	9.5	8.5	9.0	9.7	9.2	9.5			
24	6.3	5.4	5.8	6.9	5.4	5.8	9.4	8.6	8.9	9.7	9.3	9.5			
25	6.4	5.6	5.9	6.9	5.4	5.8	9.0	8.6	8.8	10.3	9.3	9.7			
26	6.3	5.4	5.6	6.9	5.4	5.9	9.1	8.7	8.9	10.5	9.8	10.2			
27	6.3	5.1	5.5	6.6	5.3	5.7	9.3	8.9	9.0	10.3	9.8	10.1			
28	6.3	5.0	5.5	6.5	5.1	5.5	9.2	8.9	9.0	10.0	9.8	9.9			
29	6.2	5.2	5.7	6.1	5.4	5.7	9.0	8.9	9.0	10.0	9.8	9.9			
30	5.7	4.8	5.2	6.6	5.7	6.0	9.1	8.9	9.0	10.1	9.9	10.0			
31	5.7	4.5	5.0	---	---	---	9.1	9.0	9.0	10.1	10.0	10.1			
MONTH	6.4	3.7	4.9	6.9	3.7	5.2	9.5	6.0	8.3	10.5	8.6	9.4			

DAY	MAX	MIN	MEAN	FEBRUARY			MARCH			APRIL			MAY		
				MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	10.5	10.1	10.2	8.6	8.2	8.4	6.5	5.8	6.2	6.0	5.4	5.6			
2	10.8	10.2	10.3	8.6	8.1	8.3	6.5	5.9	6.3	6.3	5.4	5.7			
3	10.8	10.0	10.3	8.3	7.7	8.0	6.8	5.9	6.4	6.2	5.5	5.7			
4	10.1	10.0	10.0	7.8	7.4	7.6	7.0	5.7	6.5	6.1	5.3	5.6			
5	10.2	9.9	10.0	7.5	7.0	7.3	7.2	5.8	6.8	6.0	5.4	5.7			
6	10.1	9.7	9.9	7.4	6.5	7.0	7.6	6.3	7.0	5.9	5.2	5.4			
7	9.9	9.5	9.6	6.8	6.2	6.5	7.6	6.8	7.1	6.1	5.0	5.4			
8	9.5	9.2	9.4	7.1	6.0	6.7	7.2	6.5	6.9	6.1	4.9	5.3			
9	9.7	9.1	9.3	7.6	6.6	6.8	7.2	6.6	6.8	6.1	4.8	5.3			
10	9.3	8.7	9.0	7.6	6.7	7.0	6.9	6.3	6.6	5.7	4.6	5.2			
11	9.1	8.5	8.8	7.0	6.8	6.9	6.8	6.1	6.4	5.4	4.5	4.9			
12	9.6	8.6	8.9	7.0	6.8	6.9	6.7	6.0	6.3	5.2	4.4	4.7			
13	8.8	8.5	8.6	7.1	6.9	7.0	6.5	5.9	6.2	5.3	4.2	4.6			
14	8.9	8.5	8.6	7.9	7.0	7.2	6.2	6.0	6.1	5.5	4.2	4.6			
15	9.2	8.5	8.7	7.6	7.2	7.3	6.3	6.0	6.1	5.7	4.2	4.7			
16	8.8	8.5	8.7	7.8	6.9	7.2	6.6	6.0	6.2	5.5	4.3	4.8			
17	9.4	8.6	8.8	7.4	6.8	6.9	7.0	6.0	6.3	5.3	4.4	4.7			
18	9.1	8.8	8.9	7.0	6.6	6.8	7.2	6.0	6.3	5.1	4.3	4.6			
19	9.0	8.8	8.9	6.9	6.6	6.8	7.2	5.9	6.3	5.0	4.3	4.6			
20	8.9	8.6	8.8	7.1	6.3	6.7	7.4	5.9	6.3	4.9	4.3	4.5			
21	8.8	8.2	8.6	7.3	6.4	6.6	7.1	5.9	6.4	4.7	4.4	4.5			
22	8.4	8.1	8.2	6.8	6.4	6.7	6.8	5.8	6.3	4.7	4.4	4.6			
23	8.2	7.9	8.0	6.9	6.7	6.8	6.7	5.8	6.2	4.9	4.5	4.7			
24	8.0	7.4	7.7	7.2	6.6	6.9	6.3	5.7	6.0	5.0	4.7	4.8			
25	7.7	7.3	7.5	7.2	6.8	6.8	6.1	5.7	5.9	5.2	4.7	4.9			
26	8.1	7.5	7.9	7.1	6.7	6.8	6.0	5.5	5.8	5.2	4.7	4.9			
27	8.2	8.0	8.1	7.3	6.6	6.7	6.0	5.6	5.8	5.1	4.8	4.9			
28	8.3	8.0	8.1	7.4	6.6	6.7	5.9	5.5	5.7	5.2	4.8	5.0			
29	8.4	8.0	8.2	8.0	6.3	7.2	5.7	5.3	5.6	5.1	4.8	5.0			
30	---	---	---	7.4	6.3	6.9	5.7	5.4	5.5	5.0	4.8	4.9			
31	---	---	---	6.9	6.1	6.5	---	---	---	5.1	4.7	4.9			
MONTH	10.8	7.3	8.9	8.6	6.0	7.0	7.6	5.3	6.3	6.3	4.2	5.0			

