

02176720 MAY RIVER NEAR BLUFFTON, SC--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--June 2002 to June 2004 (discontinued).

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: June 2002 to June 2004 (discontinued).

WATER TEMPERATURE: June 2002 to June 2004 (discontinued).

DISSOLVED OXYGEN: June 2002 to June 2004 (discontinued).

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

REMARKS.--Specific conductance records rated excellent except for Dec. 12-17, Feb. 26 to Mar. 2, which are good. Temperature records rated excellent. Dissolved oxygen records rated poor. Dissolved oxygen concentrations are not corrected for salinity.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 53,600 microsiemens, June 17, 2002; minimum, 24,700 microsiemens, Apr. 14, 2003.

WATER TEMPERATURE: Maximum, 33.1°C, July 19, 2002; minimum, 5.9°C, Jan. 25, 2003.

DISSOLVED OXYGEN: Maximum, 12.3 mg/L, Jan. 28, 2004; minimum, 2.9 mg/L, Aug. 24, 2002.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 48,500 microsiemens, Dec. 7, 8; minimum, 41,200 microsiemens, Feb. 19.

WATER TEMPERATURE: Maximum, 30.3°C, June 8; minimum, 7.6°C, Jan. 29.

DISSOLVED OXYGEN: Maximum, 12.3 mg/L, Jan. 28; minimum, 3.4 mg/L, May 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	25.0	23.2	24.3	22.1	20.9	21.6	15.3	13.5	14.5	11.5	9.9	11.0
2	24.6	23.3	24.1	22.0	20.6	21.6	14.8	13.1	14.0	11.5	10.0	11.1
3	24.0	22.4	23.3	21.9	21.2	21.7	14.1	12.6	13.4	12.3	11.1	11.5
4	24.2	22.1	23.3	23.0	21.8	22.2	13.4	12.6	13.1	13.6	11.8	12.4
5	24.1	22.9	23.6	23.7	22.4	23.0	13.3	12.5	12.9	14.9	12.8	13.7
6	24.1	23.3	23.8	24.3	23.1	23.7	12.8	11.6	12.3	14.8	12.8	13.9
7	24.0	23.3	23.7	24.9	23.6	24.1	12.2	11.2	11.9	13.4	11.2	12.6
8	24.2	23.3	23.7	24.4	23.1	23.9	12.0	11.1	11.6	12.1	11.2	11.6
9	24.1	23.4	23.6	23.1	20.7	22.1	12.5	11.1	11.7	11.5	11.0	11.3
10	24.3	23.3	23.7	20.7	19.7	20.1	13.0	11.7	12.3	11.0	10.3	10.7
11	23.9	23.4	23.6	20.6	19.0	19.6	12.5	11.7	12.0	10.4	9.1	9.8
12	24.4	23.2	23.6	20.9	19.3	19.9	12.5	10.9	11.7	10.1	8.5	9.4
13	25.0	23.3	23.9	20.5	19.6	20.0	12.0	11.2	11.7	10.2	8.7	9.5
14	25.1	23.9	24.3	19.6	18.4	18.7	12.0	11.5	11.8	10.8	8.8	9.8
15	24.4	23.4	23.8	18.9	17.6	18.2	12.0	10.2	11.2	11.1	9.7	10.3
16	23.9	22.6	23.1	19.1	17.5	18.3	11.8	10.3	11.2	11.0	9.4	10.4
17	23.8	22.4	23.1	19.6	18.0	18.8	11.6	10.9	11.4	11.0	9.4	10.4
18	23.3	22.4	22.9	20.4	18.8	19.6	11.2	9.4	10.5	12.2	10.6	11.3
19	22.9	21.6	22.5	20.2	19.5	20.0	10.6	9.2	10.0	12.0	11.1	11.5
20	22.9	21.5	22.4	19.7	18.2	19.2	9.9	8.3	9.2	11.3	10.1	10.9
21	22.7	21.5	22.4	19.2	17.6	18.8	9.2	8.0	8.7	10.8	10.0	10.5
22	22.3	21.2	22.1	18.9	17.8	18.6	9.1	8.1	8.7	11.0	9.8	10.3
23	21.9	20.9	21.6	19.1	18.1	18.6	10.2	8.5	9.3	10.9	9.8	10.1
24	22.1	21.1	21.4	19.8	18.5	18.9	11.3	9.8	10.3	10.9	9.2	10.0
25	22.2	21.0	21.4	18.6	18.0	18.3	10.7	10.1	10.3	10.5	10.2	10.3
26	23.2	21.4	22.0	18.3	16.9	17.8	10.9	9.3	10.1	10.4	10.0	10.2
27	22.8	22.0	22.3	18.9	17.2	18.1	10.8	9.1	10.0	---	---	---
28	22.3	21.9	22.1	18.9	17.9	18.3	11.0	9.0	10.1	9.6	8.1	9.0
29	22.4	21.5	21.8	18.0	15.5	16.3	10.8	9.4	10.3	9.4	7.6	8.7
30	22.3	20.7	21.6	16.1	13.9	15.1	11.4	10.4	10.8	---	---	---
31	22.1	20.5	21.6	---	---	---	11.5	10.1	11.0	---	---	---
MONTH	25.1	20.5	22.9	24.9	13.9	19.8	15.3	8.0	11.2	---	---	---



BROAD RIVER BASIN

02176720 MAY RIVER NEAR BLUFFTON, SC--Continued

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius  
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	46800	44400	45700	46400	44700	45600	46500	45500	46000	45500	45100	45300
2	46900	44800	45900	46400	44900	45700	46500	45600	46100	45400	45200	45300
3	47100	45300	46200	46400	44800	45800	46900	45200	46200	45400	45200	45300
4	47200	45100	46300	46300	44500	45700	48200	46900	47700	45400	45100	45300
5	47200	45000	46200	46400	44300	45600	48400	47500	48000	45300	45000	45200
6	47600	45000	46600	46400	44100	45600	48400	47700	48100	45300	44900	45100
7	47900	45200	46800	46600	44200	45700	48500	47700	48200	45200	44900	45100
8	47900	45400	46800	46600	44400	45900	48500	47700	48100	45200	44900	45100
9	47700	45200	46700	46800	44900	46100	48400	47500	48000	45100	44700	44900
10	47800	45400	46800	46900	45100	46200	48200	47200	47700	44800	44400	44700
11	47700	45600	46900	47000	45000	46200	47800	46900	47300	44800	44300	44600
12	47800	45800	47000	47000	45000	46100	47700	46800	47200	44800	44400	44600
13	47900	45700	47000	46800	44700	45800	47500	46600	47000	44800	44400	44600
14	47800	46100	47000	46700	44800	45800	47200	45900	46600	44800	44400	44700
15	48000	45600	46700	46700	44900	45900	46700	45500	46100	45200	44400	44800
16	47600	45900	46800	46700	44900	45900	46300	45200	45800	45300	44800	45100
17	47400	46100	46800	46400	44000	45400	45900	43200	44900	45300	44800	45100
18	47500	46100	46800	46400	45300	45800	45500	44400	45100	45400	44600	45000
19	47400	46200	46800	46400	44600	45700	45600	44400	45100	45300	44600	45000
20	47600	46000	46800	46500	44700	45700	45700	44400	45200	45400	44600	45100
21	47600	45900	46800	46500	44900	45800	45800	44500	45300	45600	44700	45200
22	47800	45700	47000	46600	44800	45800	45900	44400	45400	45600	44800	45200
23	48100	45900	47300	46400	44900	45800	45900	44500	45400	45600	44800	45300
24	48200	46100	47400	46400	45000	45800	45800	44700	45300	45700	44900	45300
25	48200	46200	47500	46400	45000	45800	45700	44800	45300	45700	44800	45300
26	48200	46300	47400	46400	45400	45900	45700	44800	45400	45700	44800	45300
27	48100	46400	47200	46400	45400	46000	45600	45000	45400	---	---	---
28	48000	45500	46800	46300	45200	45800	45600	45000	45400	45000	44000	44400
29	46600	43600	45400	46200	45200	45800	45600	45100	45400	44900	44100	44500
30	46400	44600	45600	46400	45500	45900	45600	45100	45300	---	---	---
31	46300	44800	45600	---	---	---	45600	45100	45300	---	---	---
MONTH	48200	43600	46700	47000	44000	45800	48500	43200	46200	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	46800	44600	45600	47100	46800	47000	46800	45800	46300
2	---	---	---	46800	44000	45400	47300	46900	47100	46300	44300	45400
3	45500	44000	44800	46900	43800	45400	47300	47000	47200	---	---	---
4	45400	43600	44700	46900	43500	45400	47400	47000	47200	43800	42500	43200
5	45700	43700	44800	46800	43300	45300	47400	46900	47200	43000	41600	42300
6	45500	43600	44500	46700	43000	45100	47400	47000	47200	---	---	---
7	45000	42700	44000	46600	42700	45100	47400	46900	47200	---	---	---
8	45200	42600	44000	46500	43100	45300	47300	46700	47000	---	---	---
9	45200	42900	44300	46600	43900	45600	47100	46600	46900	---	---	---
10	45300	42800	44300	46400	43900	45700	47000	46500	46700	---	---	---
11	45400	43100	44400	46400	44700	45700	46800	45900	46500	---	---	---
12	45400	43000	44400	46200	44900	45700	46600	45500	45800	---	---	---
13	45400	42900	44300	46200	45100	45800	46000	44700	45400	45900	45500	45700
14	45400	42600	44100	46200	45100	45700	45900	45100	45600	46000	45600	45800
15	45300	41700	43900	46000	44900	45500	46200	45600	46000	---	---	---
16	45300	42100	44000	45800	44900	45400	46400	45800	46200	46000	45600	45900
17	45600	42400	44300	45800	44800	45400	46500	45900	46300	46100	45900	46000
18	45800	41300	44200	45800	44700	45300	46600	46000	46400	46200	45800	45900
19	46100	41200	44300	45500	44600	45200	46600	46100	46400	46000	45600	45900
20	46200	41400	44300	45800	45100	45500	46700	46300	46500	46100	45700	45900
21	46200	41700	44400	45800	45200	45600	46900	46500	46700	46200	45700	46000
22	46400	42100	44600	46300	45600	46000	46900	46600	46800	46200	45800	46100
23	46500	42800	45000	46600	46100	46400	47000	46100	46700	46300	45800	46100
24	46500	43300	45200	46700	46200	46500	46900	46100	46600	46400	45900	46200
25	46700	44100	45600	46900	46300	46600	46900	46300	46700	46400	45900	46200
26	47000	44200	45700	46800	46300	46600	46900	46300	46700	46400	45900	46200
27	46600	43600	45400	46900	46400	46600	46700	46400	46600	46400	45900	46200
28	46900	43900	45800	---	---	---	46800	46400	46600	46500	45800	46200
29	46900	44800	45800	---	---	---	46900	46300	46700	46500	45800	46200
30	---	---	---	---	---	---	46800	46100	46600	46700	44900	46200
31	---	---	---	---	---	---	---	---	---	46900	45800	46400
MONTH	---	---	---	---	---	---	47400	44700	46600	---	---	---



02176720 MAY RIVER NEAR BLUFFTON, 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
1	7.6	5.8	6.8	6.8	5.5	6.3	---	---	---	10.8	10.2	10.5
2	7.5	5.6	6.7	7.6	5.5	6.4	---	---	---	10.6	10.0	10.5
3	7.5	5.9	6.8	7.6	6.2	6.9	---	---	---	10.6	9.9	10.3
4	7.2	5.8	6.7	6.8	5.6	6.4	10.0	9.5	9.7	10.4	9.7	10.2
5	6.8	5.3	6.2	6.5	5.2	6.0	9.8	9.4	9.6	10.3	9.3	9.9
6	6.2	5.2	5.8	6.2	5.0	5.8	10.1	9.4	9.8	9.9	9.2	9.6
7	5.9	4.8	5.5	6.3	4.8	5.7	10.3	9.6	9.9	10.2	9.4	9.8
8	5.9	5.0	5.4	5.7	4.6	5.2	10.5	9.6	10.0	10.5	9.7	10.1
9	5.9	5.0	5.4	6.2	4.4	5.7	10.6	9.7	10.1	10.1	9.5	10.0
10	6.2	4.9	5.6	7.8	5.4	6.6	10.2	9.6	9.9	10.6	9.6	10.1
11	6.2	5.0	5.6	8.3	6.0	7.0	10.6	9.6	10.0	11.2	9.9	10.5
12	6.9	5.0	6.0	8.4	6.3	7.2	10.8	9.7	10.2	11.1	10.3	10.7
13	6.2	4.9	5.6	8.6	6.6	7.5	10.6	9.8	10.2	11.2	10.4	10.8
14	---	---	---	8.9	7.5	8.0	10.3	9.6	10.0	11.2	10.4	10.9
15	---	---	---	9.0	7.6	8.1	10.9	9.6	10.2	11.4	10.3	10.9
16	8.2	6.2	7.1	9.6	8.1	8.9	10.9	10.0	10.5	11.2	10.4	10.9
17	8.1	6.6	7.4	8.9	7.9	8.5	10.8	9.8	10.4	11.1	10.5	10.9
18	7.8	6.3	7.2	8.5	7.1	8.0	11.1	10.1	10.6	11.0	10.3	10.7
19	7.8	6.3	7.2	---	---	---	11.1	10.4	10.8	10.7	9.7	10.5
20	7.8	6.4	7.2	---	---	---	11.3	10.6	10.9	10.9	10.4	10.7
21	7.5	6.1	7.0	---	---	---	11.3	10.6	11.0	11.3	10.5	10.8
22	7.3	5.9	6.8	---	---	---	11.3	10.6	11.0	11.4	10.5	11.0
23	7.2	6.1	6.7	---	---	---	11.2	10.5	10.9	11.7	10.7	11.2
24	7.3	5.9	6.6	---	---	---	11.0	10.2	10.7	11.8	10.9	11.4
25	7.2	5.9	6.5	---	---	---	11.4	10.2	10.7	11.6	10.6	11.2
26	6.9	5.4	6.3	---	---	---	11.4	10.3	10.7	11.5	10.8	11.3
27	6.4	5.3	6.0	---	---	---	11.2	10.4	10.8	---	---	---
28	5.8	5.0	5.5	---	---	---	11.2	10.5	10.9	12.3	11.2	11.7
29	6.4	5.2	5.8	---	---	---	10.9	10.3	10.7	---	---	---
30	6.7	5.1	6.0	---	---	---	11.2	9.8	10.5	---	---	---
31	6.8	5.2	6.3	---	---	---	10.8	10.1	10.5	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	8.6	7.5	8.2	6.4	4.9	5.8
2	---	---	---	10.6	9.4	10.2	8.7	7.8	8.4	6.2	5.3	5.7
3	11.6	9.7	10.6	10.4	9.5	10.1	8.9	7.8	8.5	6.2	5.0	5.6
4	11.6	9.9	10.6	10.1	9.0	9.9	9.1	7.9	8.6	7.4	5.3	6.2
5	---	---	---	9.9	8.3	9.4	9.4	7.9	8.7	7.5	5.6	6.6
6	---	---	---	9.1	7.8	8.5	9.7	7.8	8.7	7.5	5.6	6.6
7	---	---	---	9.5	7.4	8.6	9.8	7.4	8.7	7.6	5.3	6.4
8	---	---	---	9.6	8.0	8.7	9.6	7.7	8.6	7.3	5.1	6.4
9	---	---	---	9.7	8.2	8.9	9.5	7.5	8.6	7.3	5.1	6.3
10	---	---	---	9.8	7.8	8.9	9.3	7.6	8.6	7.2	5.0	6.2
11	10.6	9.6	10.1	10.4	8.6	9.3	9.2	7.3	8.5	6.4	5.0	5.8
12	10.2	9.8	10.1	10.2	8.7	9.5	9.0	7.3	8.3	7.3	4.5	5.8
13	10.8	9.7	10.0	10.6	8.9	9.9	8.6	6.6	7.7	7.6	5.1	6.2
14	10.5	9.1	10.1	10.3	8.9	9.8	8.3	7.2	7.8	8.0	5.2	6.7
15	10.0	8.8	9.6	---	---	---	8.5	7.4	8.0	---	---	---
16	10.1	9.0	9.7	---	---	---	8.6	7.5	8.2	7.4	5.1	6.4
17	10.2	8.7	9.7	---	---	---	8.6	7.2	8.1	7.8	4.6	6.6
18	10.5	9.5	10.1	---	---	---	8.6	6.8	8.0	7.7	5.2	6.5
19	10.6	9.4	10.1	8.4	7.2	7.9	8.5	6.7	7.7	7.9	5.1	6.8
20	10.8	9.4	10.3	8.2	7.2	7.8	7.8	6.6	7.4	8.0	5.3	6.9
21	10.3	9.1	9.9	8.3	6.9	7.9	8.1	6.2	7.2	7.8	5.8	6.9
22	10.1	9.0	9.6	8.9	7.2	8.1	7.6	6.0	7.0	7.3	5.7	6.5
23	10.7	9.2	10.2	9.3	7.6	8.3	7.9	6.2	7.2	6.7	5.1	5.7
24	---	---	---	9.3	7.8	8.5	8.0	6.2	7.3	7.0	4.4	5.5
25	---	---	---	9.2	7.8	8.6	7.9	6.3	7.2	7.4	4.8	6.0
26	---	---	---	9.1	7.7	8.6	7.4	6.2	6.7	7.1	5.2	6.0
27	---	---	---	9.0	7.8	8.6	7.2	5.0	6.3	6.4	4.9	5.7
28	---	---	---	8.9	7.8	8.5	7.7	5.9	6.8	6.4	4.4	5.3
29	---	---	---	8.8	7.6	8.4	7.4	6.0	6.9	5.4	4.2	4.9
30	---	---	---	8.6	7.6	8.2	7.1	5.6	6.5	5.7	3.4	4.7
31	---	---	---	8.3	7.1	7.9	---	---	---	5.9	4.5	5.2
MONTH	---	---	---	---	---	---	9.8	5.0	7.8	---	---	---

