

02176735 MAY RIVER BELOW BRIGHTON BEACH, SC

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 good except for Apr. 23 to May 4, which are fair. Temperature records rated excellent. Dissolved oxygen records rated fair except for Oct. 6-15, Oct. 22 to Nov. 5, Apr. 23 to May 12, May 20 to June 3, which are poor. Dissolved oxygen concentrations are not corrected for salinity.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 52,700 microsiemens, June 16, 2002; minimum, 35,500 microsiemens, Apr. 15, 2003.

WATER TEMPERATURE: Maximum, 31.9°C, July 29, 2002; minimum, 6.6°C, Jan. 24, 2003.

DISSOLVED OXYGEN: Maximum, 11.8 mg/L, Feb. 6, 2004; minimum, 3.6 mg/L, June 20, 21, 2002.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 49,100 microsiemens, June 8, 9; minimum, 40,400 microsiemens, May 3.

WATER TEMPERATURE: Maximum, 29.4°C, May 24, June 8; minimum, 8.2°C, Feb. 2.

DISSOLVED OXYGEN: Maximum, 11.8 mg/L, Feb. 6; minimum, 4.3 mg/L, Oct. 14.

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 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	47100	46000	46600	---	---	---	46600	46100	46300	46200	45800	46100
2	47200	46000	46600	---	---	---	46700	46200	46400	46200	45800	46000
3	47400	46300	46800	---	---	---	46700	45800	46200	46200	45800	46000
4	47400	46400	47000	---	---	---	46300	45600	45900	46100	45700	45900
5	47300	46500	46900	---	---	---	46000	45500	45700	46000	45600	45800
6	48400	46500	47500	47000	46100	46600	45900	45500	45700	45900	45700	45800
7	48300	47200	48000	47000	46100	46600	46000	45500	45700	46100	45700	45900
8	48300	47700	48000	46900	46100	46700	46000	45600	45800	46200	45800	46000
9	48200	47500	47900	47300	46500	47000	46100	45600	45900	46100	45800	46000
10	48100	47500	47900	48000	46900	47700	46100	45600	45800	46100	45800	46000
11	---	---	---	48100	47600	47900	46100	45400	45700	46300	46000	46100
12	---	---	---	48000	47600	47800	46100	45600	45800	46400	46100	46200
13	---	---	---	48000	47600	47800	46100	45600	45900	46400	45800	46200
14	---	---	---	48200	47500	48000	46100	45600	45800	46500	46000	46300
15	---	---	---	48200	47900	48000	46000	45400	45700	46700	46100	46300
16	---	---	---	48200	47900	48100	45900	45500	45700	46600	46000	46300
17	---	---	---	---	---	---	46200	45500	45900	46400	45700	46100
18	---	---	---	---	---	---	46500	46000	46300	46100	45300	45800
19	---	---	---	---	---	---	46600	46200	46400	45800	45200	45500
20	---	---	---	---	---	---	46800	46400	46700	45600	45100	45400
21	---	---	---	---	---	---	46900	46600	46800	45500	44900	45200
22	---	---	---	46400	46000	46200	47000	46400	46800	---	---	---
23	47900	47400	47700	---	---	---	46900	46300	46600	45600	45000	45400
24	47900	47200	47700	---	---	---	46700	46100	46400	45700	45100	45400
25	47900	47600	47800	---	---	---	46500	46100	46400	45700	45200	45500
26	47900	47700	47800	46300	46000	46200	46600	46100	46400	45700	45100	45500
27	---	---	---	46400	46000	46300	46500	46000	46300	45500	44600	45200
28	47900	46500	47500	46400	46000	46200	46600	46000	46300	45300	44800	45100
29	47500	46000	46600	46400	45900	46100	46400	46000	46200	45400	44900	45200
30	47000	46100	46400	46500	46000	46300	46300	45900	46100	45400	45100	45200
31	46900	46200	46500	---	---	---	46200	45800	46100	45500	45200	45300
MONTH	---	---	---	---	---	---	47000	45400	46100	---	---	---



## 02176735 MAY RIVER BELOW BRIGHTON BEACH, SC--Continued

Temperature, water, 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	24.7	23.6	24.3	22.2	21.6	21.8	15.7	14.9	15.3	11.6	10.9	11.3
2	24.4	23.8	24.1	22.0	21.5	21.8	15.2	14.4	14.7	11.6	11.0	11.3
3	23.8	22.8	23.3	21.9	21.4	21.8	14.6	13.7	14.1	12.1	11.2	11.6
4	23.6	22.9	23.2	22.7	21.8	22.1	14.0	13.4	13.6	12.9	11.6	12.2
5	23.9	23.2	23.5	23.4	22.2	22.7	13.5	13.0	13.3	13.8	12.3	13.1
6	24.1	23.4	23.7	24.0	22.7	23.3	13.0	12.4	12.7	13.6	12.9	13.3
7	23.8	23.4	23.6	24.6	23.0	23.6	12.5	11.9	12.3	13.0	11.6	12.2
8	24.2	23.3	23.5	23.9	23.0	23.5	12.4	11.9	12.1	11.8	11.1	11.5
9	23.8	23.3	23.5	23.1	20.7	22.0	12.6	11.8	12.2	11.5	11.0	11.3
10	24.0	23.2	23.5	20.9	19.3	20.1	12.9	12.1	12.6	11.0	10.2	10.7
11	23.8	23.3	23.5	20.2	18.8	19.6	12.6	12.0	12.4	10.2	9.2	9.9
12	23.9	23.1	23.5	20.5	19.3	19.9	12.4	11.8	12.1	10.1	9.0	9.6
13	24.2	23.3	23.7	20.2	19.5	19.9	12.3	11.9	12.1	10.0	9.3	9.7
14	24.7	23.7	24.1	19.5	18.8	19.2	12.3	11.7	12.1	10.4	9.6	9.9
15	---	---	---	19.2	18.6	18.8	11.9	11.2	11.6	10.9	10.1	10.4
16	---	---	---	19.3	18.5	18.9	12.1	11.3	11.7	10.7	10.2	10.4
17	---	---	---	19.8	18.8	19.3	12.1	11.5	11.8	10.6	10.1	10.4
18	---	---	---	20.3	19.5	19.9	11.5	10.8	11.1	11.4	10.4	10.9
19	---	---	---	20.3	19.9	20.1	10.9	10.2	10.5	11.4	10.9	11.2
20	---	---	---	20.0	19.2	19.4	10.2	9.3	9.8	11.2	10.3	10.7
21	---	---	---	19.3	18.6	19.0	9.7	8.7	9.2	10.7	9.9	10.3
22	---	---	---	19.1	18.4	18.7	9.5	8.7	9.1	10.6	9.9	10.2
23	22.1	21.3	21.7	19.3	18.4	18.7	10.2	9.0	9.6	10.5	9.7	10.0
24	21.8	21.0	21.3	19.4	18.7	19.0	11.1	9.8	10.5	10.6	9.4	9.9
25	21.6	21.0	21.3	18.8	18.1	18.5	10.8	10.3	10.5	10.4	10.1	10.2
26	22.3	21.3	21.7	18.2	17.6	18.0	10.8	10.0	10.4	10.3	10.0	10.1
27	22.4	21.8	22.1	18.7	17.8	18.2	10.9	10.0	10.4	10.1	9.5	9.8
28	22.2	21.9	22.0	18.9	18.1	18.5	11.0	10.1	10.6	9.5	8.7	9.2
29	22.2	21.5	21.8	18.1	16.3	17.1	10.9	10.5	10.7	9.2	8.7	8.9
30	22.2	21.4	21.8	16.6	15.7	16.0	11.4	10.8	11.1	9.2	8.7	8.9
31	22.2	21.4	21.8	---	---	---	11.5	10.9	11.2	9.3	8.7	9.0
MONTH	---	---	---	24.6	15.7	20.0	15.7	8.7	11.7	13.8	8.7	10.6

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	9.1	8.6	8.8	11.4	10.0	10.7	18.3	17.1	17.6	23.4	22.7	23.0
2	8.7	8.2	8.4	12.4	10.7	11.6	17.5	16.5	16.8	23.6	22.6	23.1
3	9.2	8.5	8.9	13.8	11.7	12.6	17.3	16.1	16.6	23.6	22.6	23.0
4	9.6	8.8	9.1	14.3	12.4	13.4	17.3	16.3	16.7	22.8	21.7	22.3
5	9.6	9.0	9.3	15.4	13.2	14.4	17.2	16.1	16.6	23.0	21.3	22.1
6	11.9	9.6	10.4	16.3	13.9	15.3	17.6	16.2	16.8	23.9	21.9	22.7
7	12.0	10.7	11.3	16.8	14.5	15.7	18.2	16.8	17.4	24.8	22.7	23.6
8	11.1	10.3	10.8	16.3	14.6	15.5	18.7	17.3	17.9	25.6	23.3	24.5
9	10.7	10.0	10.4	15.5	14.2	14.8	19.4	17.7	18.5	26.0	24.0	25.0
10	10.8	10.2	10.4	14.9	13.8	14.3	20.5	18.3	19.4	26.2	24.3	25.2
11	10.9	10.4	10.6	15.0	13.5	14.2	21.3	19.1	20.3	25.7	24.7	25.3
12	10.8	10.4	10.6	15.2	13.8	14.4	21.8	19.8	20.9	25.8	24.7	25.2
13	11.0	10.2	10.6	15.2	14.0	14.6	21.5	20.4	21.1	25.9	24.9	25.5
14	10.9	10.5	10.7	16.0	14.3	15.0	21.2	19.3	19.9	26.3	25.0	25.6
15	11.1	10.4	10.6	16.8	14.9	15.9	19.4	18.3	18.7	26.4	25.3	25.8
16	11.0	10.3	10.5	17.2	15.4	16.5	19.6	18.2	18.8	26.2	25.5	25.8
17	10.5	9.5	9.9	17.2	15.5	16.5	20.0	18.4	19.2	27.0	25.4	26.0
18	9.8	9.0	9.4	17.3	15.5	16.4	21.0	18.9	19.8	27.0	25.7	26.2
19	10.2	9.2	9.6	17.9	15.7	16.8	21.5	19.6	20.4	26.8	25.7	26.2
20	10.6	9.5	10.0	17.9	16.2	17.1	22.4	20.0	20.8	27.7	25.8	26.5
21	11.8	10.3	11.0	18.5	16.7	17.6	22.4	20.5	21.2	28.4	26.2	26.9
22	12.3	11.0	11.6	17.6	16.3	16.9	23.2	21.0	21.8	28.9	26.5	27.3
23	12.6	11.5	12.0	16.7	15.3	16.1	23.9	21.8	22.5	29.2	26.8	27.6
24	12.9	11.9	12.4	16.8	15.2	15.9	25.0	22.3	23.2	29.4	27.2	27.9
25	12.7	11.3	12.2	17.3	15.8	16.4	24.9	22.8	23.6	29.0	27.5	28.0
26	11.6	9.9	10.9	18.1	16.4	17.1	24.4	23.2	23.7	28.6	27.7	28.1
27	10.4	9.2	9.9	19.0	17.0	17.8	24.1	23.2	23.7	28.7	27.6	28.1
28	10.0	8.5	9.3	19.5	17.4	18.3	23.5	22.6	23.1	28.6	27.6	28.1
29	10.6	9.2	9.8	19.1	17.7	18.4	23.2	22.4	22.7	29.2	27.7	28.2
30	---	---	---	18.8	17.7	18.3	23.4	22.5	22.9	28.8	27.6	28.1
31	---	---	---	18.5	17.7	18.1	---	---	---	28.6	27.8	28.1
MONTH	12.9	8.2	10.3	19.5	10.0	15.7	25.0	16.1	20.1	29.4	21.3	25.8



02176735 MAY RIVER BELOW BRIGHTON BEACH, 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	7.3	6.2	6.8	6.8	5.9	6.6	9.2	8.5	8.8	9.7	9.2	9.5
2	7.3	6.4	6.9	6.6	6.0	6.4	9.3	8.7	9.0	9.7	9.3	9.5
3	7.5	6.3	7.1	6.5	5.9	6.2	9.8	9.0	9.4	9.6	9.0	9.4
4	7.5	6.6	7.0	6.2	5.3	5.9	9.9	9.4	9.7	9.6	9.0	9.3
5	7.2	6.2	6.6	6.8	5.2	6.1	9.8	9.2	9.6	9.4	8.9	9.2
6	6.6	5.8	6.2	6.7	5.6	6.2	10.1	9.5	9.7	9.2	8.7	9.0
7	6.3	5.3	5.9	6.5	5.8	6.1	10.3	9.6	9.8	9.6	8.7	9.2
8	6.1	4.7	5.5	6.2	5.2	5.8	10.4	9.7	9.9	9.6	8.8	9.3
9	5.9	4.6	5.3	7.3	5.2	6.3	10.2	9.7	9.9	9.5	8.6	9.3
10	6.0	4.6	5.3	7.9	6.4	7.2	10.2	9.5	9.7	9.7	8.9	9.4
11	5.9	4.6	5.2	8.0	7.0	7.6	10.2	9.5	9.9	10.0	9.2	9.7
12	6.2	4.6	5.5	8.1	7.1	7.7	10.4	9.6	9.9	10.1	9.4	9.9
13	6.3	4.7	5.5	8.3	7.2	7.8	10.5	9.7	10.0	10.2	9.7	10.0
14	6.5	4.3	5.4	8.7	7.7	8.2	10.3	9.4	9.9	10.6	9.8	10.2
15	---	---	---	9.0	7.9	8.5	10.7	9.6	9.9	10.6	9.9	10.1
16	---	---	---	9.2	8.4	8.8	10.4	9.7	10.1	10.3	9.5	9.9
17	---	---	---	9.0	8.2	8.6	10.4	9.9	10.1	10.3	9.5	9.9
18	---	---	---	9.0	8.0	8.6	10.1	9.7	9.8	10.2	9.3	9.8
19	---	---	---	8.6	7.6	8.3	9.8	9.3	9.5	9.9	9.3	9.6
20	---	---	---	8.4	7.3	7.9	9.5	9.0	9.2	10.0	9.4	9.7
21	---	---	---	8.4	7.3	7.8	9.3	9.0	9.1	10.1	8.7	9.6
22	---	---	---	7.8	7.1	7.4	9.3	8.8	9.0	8.7	8.2	8.4
23	6.9	6.2	6.4	7.6	7.0	7.3	9.2	8.8	9.0	8.6	7.8	8.3
24	7.0	6.1	6.4	7.5	6.9	7.2	9.0	8.7	8.9	8.8	8.0	8.5
25	7.1	6.2	6.5	7.9	7.1	7.5	9.2	8.7	8.9	9.8	8.5	9.1
26	7.3	6.3	6.8	7.8	7.3	7.5	9.4	8.9	9.1	11.3	9.4	10.3
27	7.2	6.5	6.9	8.0	7.2	7.6	9.5	9.0	9.3	11.3	10.1	10.7
28	7.1	6.4	6.8	8.1	7.3	7.7	9.8	9.1	9.4	11.4	10.2	10.9
29	7.3	6.5	7.0	8.7	7.8	8.2	9.6	9.1	9.4	11.5	10.0	10.9
30	7.1	5.7	6.6	8.9	8.3	8.6	9.7	9.0	9.4	11.4	9.8	10.6
31	7.0	5.6	6.3	---	---	---	9.7	9.1	9.5	10.8	9.5	10.2
MONTH	---	---	---	9.2	5.2	7.4	10.7	8.5	9.5	11.5	7.8	9.7

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	10.7	9.4	10.1	10.9	10.2	10.7	8.1	7.6	7.9	---	---	---
2	10.5	9.5	10.1	11.4	10.4	10.9	8.3	7.7	8.0	---	---	---
3	10.6	9.1	10.1	11.1	10.5	10.9	8.1	7.5	7.7	---	---	---
4	10.7	9.4	10.2	10.8	10.2	10.7	8.2	7.5	8.0	---	---	---
5	11.3	9.9	10.6	10.7	9.1	10.1	8.4	7.9	8.1	---	---	---
6	11.8	10.2	11.0	9.9	8.7	9.4	8.4	7.7	8.1	---	---	---
7	10.8	9.2	10.1	9.8	8.3	9.2	8.5	7.8	8.2	---	---	---
8	10.5	8.7	9.8	9.9	8.2	9.2	8.3	7.8	8.1	---	---	---
9	10.4	8.8	9.8	10.0	8.2	9.2	8.5	7.7	8.2	---	---	---
10	10.2	8.8	9.8	10.2	8.3	9.2	8.7	7.8	8.2	---	---	---
11	10.1	9.6	9.9	10.4	8.7	9.5	8.7	7.8	8.3	---	---	---
12	10.1	9.6	9.9	10.2	8.6	9.4	8.4	7.7	8.1	---	---	---
13	10.4	9.5	9.9	9.9	8.8	9.2	8.2	7.5	7.9	7.6	6.3	7.1
14	10.2	9.8	10.0	9.7	8.5	9.1	8.6	8.0	8.3	7.9	6.5	7.1
15	10.2	9.4	9.8	9.7	8.3	8.8	8.7	8.2	8.4	7.7	6.5	7.0
16	10.4	9.8	10.0	9.3	8.3	8.8	8.8	8.2	8.4	7.3	6.2	6.6
17	10.3	9.8	10.1	8.9	8.0	8.5	8.7	8.0	8.3	7.5	5.6	6.5
18	10.5	9.9	10.2	9.8	8.2	9.0	8.5	7.6	8.0	7.3	5.5	6.4
19	10.6	10.2	10.4	9.6	8.9	9.3	8.1	7.0	7.7	7.3	5.4	6.3
20	10.5	10.0	10.3	9.5	8.8	9.1	7.8	7.1	7.5	8.5	5.6	6.9
21	10.3	9.8	10.2	9.3	8.6	9.0	7.8	6.8	7.4	8.4	6.6	7.4
22	10.4	9.9	10.1	9.8	8.7	9.1	8.0	6.8	7.5	8.1	6.9	7.4
23	10.3	9.7	10.1	10.2	8.9	9.4	7.6	6.8	7.3	7.6	6.8	7.1
24	10.2	9.6	9.9	10.0	9.1	9.5	7.2	6.1	6.6	7.2	5.8	6.6
25	10.0	9.3	9.8	9.8	9.2	9.5	7.0	6.1	6.6	7.7	5.6	6.7
26	10.4	9.6	10.0	9.6	9.1	9.4	6.7	6.0	6.4	7.5	6.1	6.8
27	10.5	9.9	10.2	9.5	8.9	9.2	6.7	5.8	6.3	7.6	6.1	6.8
28	10.7	9.9	10.4	9.2	8.7	8.9	7.2	5.8	6.5	7.4	6.1	6.7
29	10.9	10.2	10.7	9.2	8.4	8.7	7.2	6.3	6.7	6.8	5.5	6.1
30	---	---	---	9.0	8.2	8.5	7.1	5.8	6.4	6.5	5.1	5.6
31	---	---	---	8.6	7.6	8.1	---	---	---	6.4	5.0	5.5
MONTH	11.8	8.7	10.1	11.4	7.6	9.3	8.8	5.8	7.6	---	---	---

