

Water-Data Report 2007

**02176611 BEAUFORT RIVER NEAR PORT ROYAL, SC**

Edisto-South Carolina Coastal Basin  
Broad-St. Helena Subbasin

LOCATION.--Lat 32°23'40", long 80°40'32" referenced to North American Datum of 1927, Beaufort County, SC, Hydrologic Unit 03050208, attached to concrete pier of SC 802 bridge near main channel of Beaufort River (Intracoastal Waterway) near U S Naval Hospital in Port Royal, approximately 1000 feet from west end of bridge.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--May 2001 to March 2007 (discontinued).

GAGE.--Data collection platform and acoustic velocity meter. Datum of gage is 10.55 ft below NGVD of 1929.

REMARKS.--Records fair. Astronomical tides cause significant cycles of approximately 24.8 hours at this site. Previously published 24-hour daily mean values may contain cycles with periods of 2-4 weeks that were a result of the 24-hour averaging and are unrelated to stream hydrology. Tidal effects were removed from unit value discharges using the Godin filter. Daily mean discharge computed from filtered values. Unit values are available upon request. Prior to October 2005, statistics we computed from discharges that were not tidally filtered.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 163,000 ft<sup>3</sup>/s, Nov. 7, 2006, maximum gage height, 17.28 ft, Oct. 5, 2005; minimum discharge, -137,000 ft<sup>3</sup>/s, Mar. 1, 2006, minimum gage height, 4.98 ft, Feb. 19, 2007.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 163,000 ft<sup>3</sup>/s, Nov. 7, maximum gage height, 16.82 ft, Oct. 9, Nov. 7; minimum discharge, -118,000 ft<sup>3</sup>/s, Oct. 7, 8, Mar. 19, minimum gage height, 4.98 ft, Feb. 19.

## 02176611 BEAUFORT RIVER NEAR PORT ROYAL, SC—Continued

**DISCHARGE, TIDALLY FILTERED, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	-3,480	738	-1,530	---	-2,680	-2,350	---	---	---	---	---	---
2	-562	1,750	-1,590	---	-1,430	-1,210	---	---	---	---	---	---
3	1,180	4,770	-560	---	-3,140	-1,450	---	---	---	---	---	---
4	317	6,250	-429	---	-3,820	-3,560	---	---	---	---	---	---
5	-338	6,900	-897	---	-4,450	-4,750	---	---	---	---	---	---
6	1,830	7,630	-1,420	-2,100	-4,670	-3,480	---	---	---	---	---	---
7	3,860	11,600	-868	-2,640	-5,380	-1,760	---	---	---	---	---	---
8	4,350	10,300	-1,290	-3,800	-4,790	-2,030	---	---	---	---	---	---
9	4,790	6,210	-2,410	-6,060	-3,860	-717	---	---	---	---	---	---
10	3,460	7,020	-3,220	-5,390	-3,060	-1,040	---	---	---	---	---	---
11	2,570	6,540	-3,420	-3,410	-2,560	-2,400	---	---	---	---	---	---
12	1,800	7,500	-3,950	-2,970	-3,430	-2,340	---	---	---	---	---	---
13	1,360	6,530	-5,010	-3,460	-4,830	-1,770	---	---	---	---	---	---
14	2,110	2,010	-5,840	-3,940	-4,810	-2,020	---	---	---	---	---	---
15	3,040	-1,970	-4,790	-3,550	-3,670	-2,640	---	---	---	---	---	---
16	3,020	-3,630	-3,640	-2,590	-1,470	-940	---	---	---	---	---	---
17	4,500	-6,700	-2,470	-1,630	-1,330	-255	---	---	---	---	---	---
18	8,110	-5,410	-2,370	-566	-3,870	751	---	---	---	---	---	---
19	7,690	-4,030	-2,900	-3,050	-4,320	476	---	---	---	---	---	---
20	6,530	-1,830	---	-2,990	-3,330	---	---	---	---	---	---	---
21	2,650	-1,480	---	-620	-4,330	---	---	---	---	---	---	---
22	4,320	-1,280	---	-960	-3,850	---	---	---	---	---	---	---
23	2,410	-1,650	---	-3,640	-4,010	---	---	---	---	---	---	---
24	240	-2,490	---	-3,000	-3,630	---	---	---	---	---	---	---
25	1,180	-2,390	---	-1,950	-3,500	---	---	---	---	---	---	---
26	1,090	-1,650	---	-2,850	-3,780	---	---	---	---	---	---	---
27	4,450	-1,280	---	-3,240	-3,170	---	---	---	---	---	---	---
28	3,720	-919	---	-3,930	-2,640	---	---	---	---	---	---	---
29	1,100	-1,100	---	-6,020	---	---	---	---	---	---	---	---
30	1,250	-1,370	---	-5,020	---	---	---	---	---	---	---	---
31	1,140	---	---	-5,360	---	---	---	---	---	---	---	---
<b>Mean</b>	2,571	1,552	---	---	-3,565	---	---	---	---	---	---	---
<b>Max</b>	8,110	11,600	---	---	-1,330	---	---	---	---	---	---	---
<b>Min</b>	-3,480	-6,700	---	---	-5,380	---	---	---	---	---	---	---

**02176611 BEAUFORT RIVER NEAR PORT ROYAL, SC—Continued**

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--Water years 1998 to 2007 (discontinued).

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1998 to March 2007 (discontinued).

WATER TEMPERATURE: October 1998 to March 2007 (discontinued).

DISSOLVED OXYGEN: October 1998 to March 2007 (discontinued).

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

REMARKS.--Specific conductance records rated excellent. Temperature records rated excellent. Dissolved oxygen records rated excellent except for, Oct. 29 to Nov. 1, Nov. 27-30, Dec. 17-19, Jan. 15-17, Feb. 16 to Mar. 2, which are good, Dec. 1-5, Jan. 18-20, Mar. 3-16, which are fair, and Nov. 14, 15, Dec. 6, Jan. 21-23, Mar. 17-20, which are poor.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 54,900 microsiemens/cm, June 11, 12, 2002; minimum, 36,100 microsiemens/cm, Apr. 10, 2003.

WATER TEMPERATURE: Maximum, 33.5°C, Aug. 1, 1999; minimum, 5.5°C, Jan. 3-6, 2001.

DISSOLVED OXYGEN: Maximum, 13.0 mg/L, Feb. 3, 2000; minimum, 3.3 mg/L, Aug. 11, 2006.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 52,100 microsiemens/cm, Nov. 5, 6; minimum, 47,500 microsiemens/cm, Feb. 16, 17, 18, Mar. 20.

WATER TEMPERATURE: Maximum, 26.8°C, Oct. 1, 2; minimum, 9.2°C, Feb. 6.

DISSOLVED OXYGEN: Maximum, 10.0 mg/L, Jan. 13; minimum, 3.9 mg/L, Oct. 6.

## 02176611 BEAUFORT RIVER NEAR PORT ROYAL, SC—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	51,300	50,500	50,900	52,000	51,400	51,700	50,700	50,000	50,400	---	---	---
2	51,400	50,100	50,900	51,900	51,300	51,600	50,700	50,000	50,400	---	---	---
3	51,500	49,700	50,900	51,900	51,300	51,700	50,700	50,100	50,400	---	---	---
4	51,500	49,900	50,900	52,000	51,400	51,800	50,600	49,900	50,400	---	---	---
5	51,500	50,200	51,000	52,100	51,500	51,900	50,600	50,100	50,400	49,100	49,000	49,100
6	51,500	50,500	51,100	52,100	51,500	51,900	50,700	50,100	50,500	49,000	48,800	48,900
7	51,700	50,600	51,300	52,000	50,600	51,500	50,700	50,400	50,600	48,900	48,700	48,800
8	51,800	50,600	51,400	51,400	50,600	51,100	50,800	50,500	50,700	48,900	48,700	48,800
9	51,800	51,000	51,500	51,300	50,600	51,000	50,800	50,600	50,800	48,900	48,700	48,800
10	51,800	51,000	51,500	51,300	50,600	50,900	50,900	50,700	50,800	49,100	48,800	49,000
11	51,800	51,000	51,500	51,100	50,500	50,800	50,900	50,700	50,800	49,100	49,100	49,100
12	51,700	51,000	51,400	51,000	50,500	50,800	50,900	50,700	50,800	49,100	49,000	49,100
13	51,700	51,100	51,400	51,100	50,600	50,800	50,900	50,700	50,800	49,100	49,000	49,100
14	51,700	51,100	51,400	51,800	50,400	51,100	50,800	50,600	50,800	49,100	49,000	49,100
15	51,700	51,100	51,500	51,800	51,500	51,600	50,800	50,600	50,700	49,100	49,000	49,100
16	51,800	51,300	51,600	51,600	51,100	51,400	50,700	50,600	50,700	49,100	49,000	49,000
17	51,800	51,200	51,600	51,500	51,100	51,300	50,700	50,300	50,600	49,100	49,000	49,100
18	51,800	51,200	51,500	51,500	51,200	51,300	50,800	50,400	50,600	49,000	48,700	48,900
19	51,700	50,500	51,300	51,500	51,100	51,300	51,100	50,500	50,800	49,000	48,600	48,800
20	51,400	49,900	50,900	51,500	50,600	51,100	51,200	50,700	51,100	49,000	48,600	48,800
21	51,500	50,200	51,100	51,100	50,700	50,900	---	---	---	48,900	48,500	48,800
22	51,500	50,600	51,200	51,200	50,700	50,900	---	---	---	49,000	48,200	48,700
23	51,600	50,600	51,200	51,200	50,600	50,900	---	---	---	48,700	48,300	48,600
24	51,700	50,700	51,400	51,100	50,500	50,800	---	---	---	48,700	48,300	48,500
25	51,700	50,900	51,500	51,100	50,500	50,800	---	---	---	48,700	48,300	48,500
26	51,800	51,300	51,600	51,000	50,400	50,700	---	---	---	48,700	48,300	48,500
27	51,800	51,400	51,600	51,000	50,400	50,700	---	---	---	48,700	48,300	48,600
28	51,700	51,300	51,500	50,900	50,300	50,600	---	---	---	48,600	48,100	48,400
29	51,800	51,400	51,600	50,800	50,100	50,500	---	---	---	48,600	48,100	48,400
30	51,800	51,400	51,600	50,800	50,100	50,500	---	---	---	48,700	48,200	48,600
31	51,900	51,300	51,600	---	---	---	---	---	---	48,900	48,600	48,800
<b>Month</b>	51,900	49,700	51,300	52,100	50,100	51,100	---	---	---	---	---	---

## 02176611 BEAUFORT RIVER NEAR PORT ROYAL, SC—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	49,100	48,500	48,800	49,700	48,600	49,100	---	---	---	---	---	---
2	48,800	47,900	48,300	49,300	48,200	48,800	---	---	---	---	---	---
3	48,600	47,800	48,100	49,200	48,200	48,700	---	---	---	---	---	---
4	48,600	47,900	48,200	49,200	48,200	48,700	---	---	---	---	---	---
5	48,600	47,900	48,200	49,300	48,500	48,900	---	---	---	---	---	---
6	48,600	48,000	48,300	49,400	48,600	49,000	---	---	---	---	---	---
7	48,600	48,100	48,300	49,400	48,700	49,100	---	---	---	---	---	---
8	48,600	48,100	48,400	49,400	48,800	49,100	---	---	---	---	---	---
9	48,600	48,100	48,400	49,400	48,600	49,000	---	---	---	---	---	---
10	48,600	48,100	48,400	49,300	48,400	48,900	---	---	---	---	---	---
11	48,600	48,100	48,300	49,200	48,300	48,800	---	---	---	---	---	---
12	48,600	48,000	48,300	49,200	48,300	48,800	---	---	---	---	---	---
13	48,700	47,700	48,200	49,200	48,100	48,700	---	---	---	---	---	---
14	48,700	47,600	48,100	49,200	48,000	48,700	---	---	---	---	---	---
15	49,000	47,600	48,300	49,200	48,000	48,700	---	---	---	---	---	---
16	49,200	47,500	48,400	49,200	48,000	48,700	---	---	---	---	---	---
17	---	---	---	49,300	47,900	48,700	---	---	---	---	---	---
18	49,400	47,500	48,500	49,300	47,900	48,600	---	---	---	---	---	---
19	49,600	47,900	48,800	48,900	47,600	48,400	---	---	---	---	---	---
20	49,600	48,200	48,900	48,700	47,500	48,100	---	---	---	---	---	---
21	49,600	48,300	49,000	---	---	---	---	---	---	---	---	---
22	49,600	48,400	49,000	---	---	---	---	---	---	---	---	---
23	49,600	48,600	49,100	---	---	---	---	---	---	---	---	---
24	49,600	48,700	49,100	---	---	---	---	---	---	---	---	---
25	49,600	48,700	49,200	---	---	---	---	---	---	---	---	---
26	49,400	48,600	49,000	---	---	---	---	---	---	---	---	---
27	49,500	48,600	49,100	---	---	---	---	---	---	---	---	---
28	49,600	48,600	49,100	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

02176611 BEAUFORT RIVER NEAR PORT ROYAL, SC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS  
 WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

## 02176611 BEAUFORT RIVER NEAR PORT ROYAL, SC—Continued

**TEMPERATURE, WATER, DEGREES CELSIUS**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
<b>1</b>	26.8	26.3	26.5	20.0	19.2	19.6	17.0	15.8	16.3	---	---	---
<b>2</b>	26.8	26.5	26.6	20.2	19.8	20.0	17.0	16.1	16.5	---	---	---
<b>3</b>	26.7	26.3	26.5	20.1	18.7	19.3	16.6	15.6	16.0	---	---	---
<b>4</b>	26.5	26.1	26.3	18.7	17.4	18.0	15.9	15.2	15.5	---	---	---
<b>5</b>	26.5	25.9	26.3	17.4	16.4	16.9	15.4	14.7	15.0	16.1	15.2	15.6
<b>6</b>	26.5	25.9	26.2	16.7	16.2	16.5	14.9	14.5	14.7	16.8	15.7	16.2
<b>7</b>	26.1	24.8	25.3	16.8	16.5	16.7	14.8	14.4	14.6	17.0	16.1	16.6
<b>8</b>	24.8	23.9	24.2	16.9	16.7	16.8	14.4	13.1	13.6	17.1	16.4	16.8
<b>9</b>	24.0	23.3	23.6	17.1	16.6	16.8	13.2	12.3	12.6	16.5	15.7	16.1
<b>10</b>	23.5	23.0	23.3	17.5	16.9	17.1	12.6	12.0	12.3	15.7	14.9	15.2
<b>11</b>	23.4	23.1	23.3	18.0	17.3	17.6	12.6	12.1	12.4	14.9	14.4	14.6
<b>12</b>	23.6	23.2	23.4	17.9	17.6	17.7	12.8	12.3	12.6	14.8	14.2	14.5
<b>13</b>	23.5	23.1	23.3	17.6	17.1	17.3	13.1	12.7	12.9	15.0	14.6	14.8
<b>14</b>	23.2	22.2	22.6	17.4	17.2	17.3	13.4	13.0	13.2	15.4	14.8	15.1
<b>15</b>	22.4	21.8	22.1	17.8	17.1	17.4	13.8	13.1	13.5	15.8	15.1	15.5
<b>16</b>	22.0	21.4	21.8	18.1	17.5	17.8	14.0	13.3	13.7	16.0	15.3	15.7
<b>17</b>	21.9	21.5	21.8	17.7	17.1	17.3	14.2	13.5	13.8	15.8	14.5	15.1
<b>18</b>	22.2	21.7	22.0	17.1	16.7	16.8	14.5	13.6	14.1	14.6	13.4	13.9
<b>19</b>	22.4	22.2	22.3	16.7	16.3	16.6	14.8	13.9	14.3	13.4	12.8	13.1
<b>20</b>	23.0	22.3	22.6	16.5	15.9	16.1	14.8	14.0	14.4	13.1	12.4	12.6
<b>21</b>	22.8	22.4	22.6	15.9	14.5	15.1	---	---	---	12.6	12.2	12.4
<b>22</b>	22.7	22.3	22.5	14.5	13.4	13.9	---	---	---	12.8	12.4	12.6
<b>23</b>	22.4	21.2	21.9	13.8	13.0	13.4	---	---	---	12.7	12.4	12.5
<b>24</b>	21.2	20.2	20.6	13.6	12.9	13.3	---	---	---	12.5	12.1	12.3
<b>25</b>	20.2	19.2	19.6	13.7	13.2	13.5	---	---	---	12.3	11.9	12.1
<b>26</b>	19.3	18.9	19.1	13.8	13.3	13.6	---	---	---	12.0	11.4	11.7
<b>27</b>	19.1	18.9	19.0	14.4	13.7	14.0	---	---	---	11.7	11.3	11.5
<b>28</b>	19.4	19.0	19.2	14.9	14.3	14.6	---	---	---	11.7	11.3	11.5
<b>29</b>	19.1	18.7	18.9	15.6	14.9	15.2	---	---	---	11.4	10.7	10.9
<b>30</b>	19.2	18.8	18.9	16.2	15.3	15.7	---	---	---	10.7	10.2	10.5
<b>31</b>	19.4	18.9	19.2	---	---	---	---	---	---	10.3	10.0	10.2
<b>Month</b>	26.8	18.7	22.6	20.2	12.9	16.4	---	---	---	---	---	---

02176611 BEAUFORT RIVER NEAR PORT ROYAL, SC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS  
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	10.1	9.8	9.9	14.9	13.9	14.5	---	---	---	---	---	---
2	10.2	9.6	9.9	15.6	14.5	15.1	---	---	---	---	---	---
3	10.1	9.8	9.9	15.4	14.5	15.1	---	---	---	---	---	---
4	9.8	9.6	9.7	15.2	14.4	14.9	---	---	---	---	---	---
5	9.7	9.5	9.6	14.7	13.9	14.4	---	---	---	---	---	---
6	9.6	9.2	9.4	14.6	13.8	14.2	---	---	---	---	---	---
7	9.9	9.3	9.6	15.1	14.0	14.5	---	---	---	---	---	---
8	10.3	9.7	10	15.5	14.5	14.9	---	---	---	---	---	---
9	10.6	10.1	10.3	15.6	14.7	15.1	---	---	---	---	---	---
10	10.9	10.3	10.6	15.9	14.8	15.4	---	---	---	---	---	---
11	11.1	10.5	10.8	16.4	15.4	15.9	---	---	---	---	---	---
12	11.6	10.7	11.1	16.9	15.9	16.3	---	---	---	---	---	---
13	12.1	11.1	11.6	17.4	16.2	16.8	---	---	---	---	---	---
14	12.4	11.5	12.0	17.8	16.6	17.2	---	---	---	---	---	---
15	12.3	11.3	11.7	18.5	16.9	17.6	---	---	---	---	---	---
16	11.8	11.1	11.5	18.8	17.3	18.1	---	---	---	---	---	---
17	---	---	---	18.8	17.1	17.8	---	---	---	---	---	---
18	11.3	10.6	11.0	17.7	16.4	17.1	---	---	---	---	---	---
19	10.9	10.2	10.6	17.3	16.2	16.8	---	---	---	---	---	---
20	11.2	10.3	10.7	17.7	16.3	16.9	---	---	---	---	---	---
21	11.5	10.6	11.1	---	---	---	---	---	---	---	---	---
22	12.3	11.0	11.5	---	---	---	---	---	---	---	---	---
23	12.6	11.5	12.0	---	---	---	---	---	---	---	---	---
24	12.7	11.8	12.3	---	---	---	---	---	---	---	---	---
25	13.4	12.1	12.7	---	---	---	---	---	---	---	---	---
26	14.0	12.8	13.5	---	---	---	---	---	---	---	---	---
27	14.5	13.3	13.9	---	---	---	---	---	---	---	---	---
28	14.8	13.6	14.2	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

02176611 BEAUFORT RIVER NEAR PORT ROYAL, SC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS  
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

## 02176611 BEAUFORT RIVER NEAR PORT ROYAL, SC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER  
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	6.3	5.4	5.8	7.5	6.2	6.8	8.3	7.4	8.0	---	---	---
2	6.4	5.4	5.7	7.2	6.1	6.7	8.2	7.5	8.0	---	---	---
3	6.3	5.1	5.6	7.0	6.0	6.7	8.2	7.6	7.9	---	---	---
4	5.7	4.6	5.2	6.8	6.2	6.6	8.1	7.3	7.8	---	---	---
5	5.3	4.1	4.7	6.8	6.5	6.7	8.2	7.6	7.9	---	---	---
6	5.0	3.9	4.5	6.8	6.5	6.7	8.2	6.6	7.8	---	---	---
7	4.8	4.0	4.5	6.8	6.5	6.7	7.9	7.5	7.7	---	---	---
8	4.7	4.1	4.3	6.6	6.3	6.5	8.4	7.7	8.1	---	---	---
9	4.7	4.1	4.4	6.7	6.3	6.5	8.6	7.8	8.3	---	---	---
10	4.6	4.2	4.4	6.7	6.4	6.6	8.7	8.3	8.5	---	---	---
11	4.5	4.2	4.4	6.8	6.3	6.6	8.8	8.3	8.6	9.6	9.0	9.2
12	4.7	4.3	4.5	6.9	6.4	6.7	9.0	8.5	8.8	9.9	9.2	9.5
13	4.8	4.4	4.6	7.1	6.6	6.8	9.2	8.6	8.8	10.0	9.3	9.7
14	5.1	4.5	4.8	7.1	6.6	6.8	9.2	8.5	8.9	9.9	9.4	9.7
15	5.3	4.8	5.1	6.9	6.6	6.8	9.1	8.4	8.9	9.9	9.3	9.6
16	5.6	5.1	5.3	---	---	---	9.2	8.5	8.9	9.7	9.1	9.4
17	5.8	5.2	5.4	---	---	---	9.1	8.5	8.9	9.3	8.9	9.0
18	5.7	5.4	5.5	---	---	---	9.2	8.5	8.9	9.1	8.7	8.8
19	5.6	5.0	5.3	---	---	---	9.1	7.9	8.7	9.1	8.5	8.7
20	5.4	4.8	5.1	---	---	---	8.7	7.9	8.4	8.8	8.5	8.6
21	5.7	4.9	5.3	7.3	7.0	7.2	---	---	---	8.7	8.5	8.6
22	5.5	4.9	5.1	7.5	7.1	7.3	---	---	---	8.7	8.3	8.6
23	5.7	4.9	5.2	7.6	7.3	7.4	---	---	---	---	---	---
24	6.0	5.4	5.7	7.8	7.2	7.6	---	---	---	---	---	---
25	6.2	5.7	5.9	8.0	7.2	7.8	---	---	---	---	---	---
26	6.3	5.8	6.0	8.3	7.5	8.0	---	---	---	---	---	---
27	6.4	5.9	6.1	8.4	7.7	8.2	---	---	---	---	---	---
28	6.7	6.1	6.4	8.6	7.8	8.2	---	---	---	---	---	---
29	7.0	6.2	6.6	8.5	7.8	8.3	---	---	---	---	---	---
30	7.2	6.2	6.7	8.4	7.5	8.2	---	---	---	---	---	---
31	7.7	6.5	6.9	---	---	---	---	---	---	8.8	8.4	8.7
Month	7.7	3.9	5.3	---	---	---	---	---	---	---	---	---

02176611 BEAUFORT RIVER NEAR PORT ROYAL, SC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER  
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	8.9	8.6	8.8	8.9	8.6	8.8	---	---	---	---	---	---
2	9.0	8.6	8.7	8.6	8.4	8.6	---	---	---	---	---	---
3	9.0	8.6	8.8	8.7	8.3	8.5	---	---	---	---	---	---
4	9.2	8.7	8.9	8.8	8.2	8.5	---	---	---	---	---	---
5	9.4	9.0	9.2	8.9	8.5	8.8	---	---	---	---	---	---
6	9.6	9.1	9.3	9.2	8.7	8.9	---	---	---	---	---	---
7	9.8	9.2	9.5	9.2	8.9	9.0	---	---	---	---	---	---
8	9.7	9.4	9.5	9.3	8.8	9.0	---	---	---	---	---	---
9	9.7	9.4	9.6	9.2	8.7	9.0	---	---	---	---	---	---
10	9.8	9.4	9.6	9.2	8.6	9.0	---	---	---	---	---	---
11	9.8	9.3	9.6	9.1	8.4	8.9	---	---	---	---	---	---
12	9.7	9.4	9.6	9.1	8.4	8.9	---	---	---	---	---	---
13	9.6	9.2	9.5	9.2	8.4	8.8	---	---	---	---	---	---
14	9.5	9.1	9.4	9.1	8.3	8.8	---	---	---	---	---	---
15	9.3	9.1	9.2	9.0	8.2	8.7	---	---	---	---	---	---
16	9.2	9.0	9.1	8.8	8.0	8.5	---	---	---	---	---	---
17	---	---	---	8.8	7.7	8.4	---	---	---	---	---	---
18	9.3	8.9	9.1	8.7	7.9	8.4	---	---	---	---	---	---
19	9.3	9.1	9.2	8.7	7.8	8.4	---	---	---	---	---	---
20	9.3	9.1	9.2	8.5	7.4	8.3	---	---	---	---	---	---
21	9.3	9.1	9.2	---	---	---	---	---	---	---	---	---
22	9.3	8.9	9.1	---	---	---	---	---	---	---	---	---
23	9.3	9.0	9.2	---	---	---	---	---	---	---	---	---
24	9.4	9.0	9.2	---	---	---	---	---	---	---	---	---
25	9.3	9.1	9.2	---	---	---	---	---	---	---	---	---
26	9.2	9.0	9.1	---	---	---	---	---	---	---	---	---
27	9.2	8.8	9.1	---	---	---	---	---	---	---	---	---
28	9.1	8.8	9.0	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

02176611 BEAUFORT RIVER NEAR PORT ROYAL, SC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER  
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---