

0208455155 PAMLICO RIVER AT CHANNEL LIGHT 3 NEAR SPRING CREEK, NC

Pamlico Basin
Pamlico Subbasin

LOCATION.--Lat 35°21'25", long 76°38'47" referenced to North American Datum of 1983, Beaufort County, NC, Hydrologic Unit 03020104, on U.S. Coast Guard Channel Light 3.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1989 to 1992, 1999 to current year.

PERIOD OF DAILY RECORD.--

SALINITY (TOP AND BOTTOM): May 1989 to September 1992, May 1999 current year.

pH (TOP AND BOTTOM): May 1999 to current year.

WATER TEMPERATURE (TOP): May 1989 to September 1992, May 1999 to current year.

WATER TEMPERATURE (BOTTOM): May 1999 to current year.

DISSOLVED OXYGEN (TOP AND BOTTOM): May 1989 to September 1992, May 1999 to current year.

DISSOLVED OXYGEN (MID): May 1989 to September 1992.

DISSOLVED OXYGEN, PERCENT SATURATION (TOP AND BOTTOM): May 1989 to September 1992, May 1999 to current year.

DISSOLVED OXYGEN, PERCENT SATURATION (MID): May 1989 to September 1992.

INSTRUMENTATION.--Water-quality monitor from May 1989 to September 1992. Constituents monitored were: specific conductance, top and bottom, water temperature top, dissolved oxygen, top, mid-depth and bottom. Water-quality monitor with satellite telemetry from May 1999 to current year. Constituents monitored were the same as previous water years except, mid-depth dissolved oxygen was not measured, water temperature, bottom, was added as well as pH top and bottom.

REMARKS.--The monitor was removed on August 29, 1999 to prevent possible destruction of the equipment during Hurricane Dennis. It was reinstalled on September 9, 1999. The monitor was removed again on September 14, 1999 to prevent possible destruction during Hurricane Floyd. It was reinstalled on October 7, 1999. The monitor was removed on September 15, 2003 to prevent possible destruction of the equipment during Hurricane Isabel. It was reinstalled on September 21, 2003. The monitor was removed on September 11, 2005 to prevent possible destruction during Hurricane Ophelia. It was reinstalled on September 19, 2005. Top constituents were monitored at 8 ft above the streambed and bottom constituents, 2 ft above the streambed. Salinity and dissolved oxygen, percent saturation are computed. The salinity is computed from specific conductance using the conversion from U.S. Geological Survey Water-Supply Paper 2311. The dissolved oxygen percent saturation is computed using a barometric pressure of 760 mm of Hg beginning October 1, 2000.

COOPERATION.--Station operated in cooperation with the North Carolina Department of Environment and Natural Resources.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SALINITY (TOP): Maximum recorded, 20.3 ppt, August 26, 2002; minimum recorded, 0.3 ppt, October 11, 1999.

SALINITY (BOTTOM): Maximum recorded, 23.0 ppt, October 6, 2002; minimum recorded, 0.5 ppt, October 11, 27, 1999.

pH (TOP): Maximum recorded, 9.5 standard units, April 15, 2003, August 15, 2003; minimum recorded, 6.6 standard units, October 7, 1999.

pH (BOTTOM): Maximum recorded, 9.2 standard units, April 14, 15, 2003, August 15, 2003, March 15, 2007; minimum recorded, 6.6 standard units, May 27, 2000, July 12, 2001, May 8, 9, 15, 16, 17, 18, 2004, December 24, 25, 2006.

WATER TEMPERATURE (TOP): Maximum recorded, 33.3°C, August 20, 1990, July 9, 1991; minimum recorded, 0.0°C, January 25, 2003.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 32.6°C, August 1, 1999; minimum recorded, 0.6°C, January 25, 2003.

DISSOLVED OXYGEN (TOP): Maximum recorded, 21.2 mg/L, January 30, 1992; minimum recorded, <1.0 mg/L, on several days during the period.

DISSOLVED OXYGEN (BOTTOM): Maximum recorded, 18.0 mg/L, May 3, 1991; minimum recorded, <1.0 mg/L, on many days during the period.

EXTREMES FOR CURRENT YEAR.--

SALINITY (TOP): Maximum recorded, 16.9, September 17; minimum recorded, 0.6 ppt, November 28.

SALINITY (BOTTOM): Maximum recorded, 20.2 ppt, September 27; minimum recorded, 4.4 ppt, March 25.

pH (TOP): Maximum recorded, 9.3 standard units, December 15, 18, 19, February 13; minimum recorded, 6.8 standard units, November 28.

pH (BOTTOM): Maximum recorded, 9.2 standard units, March 15; minimum recorded, 6.6 standard units, December 24, 25.

WATER TEMPERATURE (TOP): Maximum recorded, 31.9°C, August 9, 21; minimum recorded, 4.0°C, February 9.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 31.2°C, August 9; minimum recorded, 4.3°C, February 6, 7.

DISSOLVED OXYGEN (TOP): Maximum recorded, 17.6 mg/L, December 15; minimum recorded, 2.6 mg/L, November 15.

DISSOLVED OXYGEN (BOTTOM): Maximum recorded, 14.2 mg/L, February 10; minimum recorded, 0.1 mg/L, July 28, August 5, 6.

DISSOLVED OXYGEN, PERCENT SATURATION (TOP): Maximum recorded, 172%, August 4; minimum recorded, 28%, November 15.

DISSOLVED OXYGEN, PERCENT SATURATION (BOTTOM): Maximum recorded, 126%, December 21; minimum recorded, 1%, July 28, August 5, 6.

0208455155 PAMLICO RIVER AT CHANNEL LIGHT 3 NEAR SPRING CREEK, NC—Continued

**SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP
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	12.9	12.6	12.7	12.6	10.7	11.6	13.0	5.3	9.4	9.6	8.5	9.1
2	12.8	12.6	12.7	11.8	10	10.9	7.6	4.8	6.5	9.2	7.7	8.6
3	12.8	12.3	12.5	12.9	10.6	11.4	10.4	6.0	8.6	8.8	6.6	7.9
4	12.8	12.2	12.6	11.5	10.4	11.0	9.8	8.0	8.9	8.4	5.3	7.0
5	13.3	12.6	12.9	11.7	10.9	11.3	9.5	6.0	7.0	7.4	5.3	6.4
6	13.7	13.3	13.5	12.1	11.1	11.7	8.5	6.7	7.5	8.9	5.2	6.7
7	13.6	13.3	13.4	12.6	11.4	11.9	8.3	7.3	7.8	8.5	5.5	6.1
8	14.1	13.3	13.7	12.9	11.7	12.1	8.1	7.0	7.6	8.5	6.7	7.4
9	14.2	13.5	14.0	12.5	11.8	12.0	7.8	6.1	6.8	7.3	6.4	7.0
10	14.0	13.5	13.7	12.5	11.3	12.0	7.3	6.4	6.8	7.2	6.4	6.7
11	13.8	13.2	13.6	12.3	10.2	11.5	7.5	6.7	7.0	7.4	6.3	6.8
12	13.2	12.5	12.9	13.6	11.4	12.3	7.6	6.7	7.0	7.2	5.5	6.6
13	13.7	12.8	13.4	13.2	12.6	13.0	7.5	6.8	7.0	6.0	4.3	4.8
14	14.1	13.5	13.7	12.8	11.3	12.1	8.9	6.6	7.3	4.5	3.4	3.9
15	13.5	12.8	13.1	12.6	10.9	11.7	7.3	6.9	7.1	5.6	3.2	4.4
16	13.7	12.8	13.2	14.7	12.2	13.5	8.0	6.5	6.8	6.4	4.6	5.6
17	13.7	13.2	13.5	13.8	11.6	12.3	9.1	6.8	7.4	6.8	6.0	6.4
18	13.7	13.2	13.5	12.3	10.2	11.5	9.0	6.8	7.3	7.0	6.3	6.6
19	13.6	13.0	13.4	11.1	5.0	8.2	8.1	7.1	7.6	7.4	6.0	6.9
20	13.5	13.1	13.3	8.6	3.7	5.6	9.6	7.8	8.6	7.8	6.8	7.6
21	13.9	13.4	13.7	13.8	8.0	10.5	10	8.6	9.1	7.8	6.8	7.4
22	13.9	13.1	13.5	13.3	9.0	10.1	11.9	8.8	10.2	7.8	7.3	7.5
23	13.5	12.6	13.1	9.5	6.2	8.0	11.9	9.1	10.1	8.0	7.3	7.7
24	14.1	12.5	12.9	8.1	4.0	6.8	9.7	8.8	9.5	7.3	6.8	7.1
25	13.9	12.2	13.0	4.4	3.0	3.6	11.5	9.5	10.4	7.8	6.9	7.2
26	13.1	12.0	12.5	5.7	2.4	4.3	11.0	9.5	10.5	8.3	6.3	7.4
27	13.3	10.9	11.9	6.7	3.2	5.1	10.7	10.4	10.5	7.7	6.3	7.1
28	14.7	13.3	13.8	8.3	0.6	6.1	10.6	9.9	10.3	7.2	6.5	6.9
29	13.9	13.3	13.6	10.7	5.9	8.2	10.3	7.5	9.5	7.2	6.0	6.5
30	13.6	13.1	13.4	10.6	5.7	8.3	9.6	5.4	8.0	7.0	6.4	6.7
31	13.3	12.5	13.0	---	---	---	10.0	4.5	7.2	7.5	6.8	7.1
Month	14.7	10.9	13.2	14.7	0.6	10.0	13.0	4.5	8.2	9.6	3.2	6.8

0208455155 PAMLICO RIVER AT CHANNEL LIGHT 3 NEAR SPRING CREEK, NC—Continued

**SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP
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	7.3	6.2	6.9	7.6	7.2	7.4	5.5	5.2	5.3	6.9	6.4	6.5
2	7.1	6.4	6.8	7.6	6.5	7.1	6.0	5.0	5.6	7.3	6.7	7.0
3	7.1	6.4	6.8	7.2	6.7	6.9	5.9	4.8	5.4	8.2	7.0	7.6
4	7.2	6.6	6.9	7.3	6.6	7.0	6.1	5.3	5.7	8.3	7.6	8.0
5	7.5	7.0	7.3	7.6	6.3	6.9	6.4	5.5	5.8	8.7	7.3	8.0
6	7.7	6.8	7.1	7.5	6.8	7.2	7.5	5.5	6.7	8.8	7.0	7.7
7	7.5	6.8	7.1	7.5	7.0	7.3	7.2	5.8	6.5	9.2	7.5	8.2
8	7.1	6.8	7.0	7.5	7.0	7.3	7.3	6.0	6.8	9.0	8.0	8.5
9	7.1	6.4	6.8	7.3	6.4	6.9	6.9	6.1	6.5	8.1	7.6	7.8
10	6.9	6.1	6.4	6.7	5.6	6.3	7.0	6.2	6.7	7.9	7.5	7.6
11	6.8	6.1	6.4	6.5	5.7	6.2	8.1	7.0	7.7	8.1	7.8	8.0
12	6.5	5.3	5.7	6.8	6.2	6.5	8.2	6.6	7.1	8.1	7.0	7.4
13	7.1	4.8	5.8	6.7	6.0	6.4	7.3	6.7	7.1	8.9	7.3	7.8
14	7.6	6.9	7.1	6.2	4.6	5.0	7.6	6.8	7.2	8.8	7.7	8.3
15	7.7	7.0	7.4	5.2	4.4	4.7	7.6	6.2	7.1	8.5	8.0	8.3
16	7.6	6.5	7.2	6.2	4.6	5.2	6.6	5.3	6.0	9.7	8.0	8.4
17	6.5	5.3	5.9	6.0	5.6	5.7	6.7	5.5	6.1	9.8	8.6	9.0
18	6.8	6.0	6.2	6.4	4.7	5.7	7.3	6.2	6.7	9.7	8.9	9.2
19	7.0	5.9	6.3	5.9	3.5	4.9	7.3	6.4	7.0	9.7	8.4	8.9
20	7.1	6.0	6.4	5.6	5.3	5.5	7.5	6.8	7.2	8.8	7.6	8.1
21	7.1	6.0	6.7	6.0	5.5	5.8	7.0	5.4	6.5	9.3	7.8	8.3
22	6.8	6.2	6.4	5.9	5.0	5.6	5.8	4.4	5.4	9.7	8.8	9.3
23	7.5	6.2	6.9	5.4	4.3	4.6	4.8	3.7	4.2	9.3	8.3	8.7
24	7.4	5.2	6.5	4.7	4.2	4.4	5.3	4.4	4.8	9.4	8.5	8.8
25	7.6	5.2	6.5	6.0	4.2	5.0	5.2	4.7	5.0	9.7	8.6	9.1
26	7.6	6.6	7.4	6.2	4.7	5.3	5.8	4.8	5.3	9.4	8.6	9.2
27	7.6	6.9	7.3	5.5	4.7	5.1	---	---	---	8.6	8.3	8.5
28	7.5	6.8	7.2	5.0	4.2	4.5	7.1	5.9	6.5	8.8	8.5	8.6
29	---	---	---	5.9	4.5	5.1	6.7	6.0	6.5	9.1	8.4	8.6
30	---	---	---	6.5	5.2	5.7	6.7	6.4	6.5	9.9	8.5	9.3
31	---	---	---	5.6	4.8	5.1	---	---	---	10	9.3	9.7
Month	7.7	4.8	6.7	7.6	3.5	5.9	---	---	---	10.0	6.4	8.3

0208455155 PAMLICO RIVER AT CHANNEL LIGHT 3 NEAR SPRING CREEK, NC—Continued

**SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP
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	9.7	8.8	9.2	10.6	10	10.3	13.6	12.9	13.3	15.3	14.1	14.6
2	9.8	8.5	9.1	11.3	10.6	11.0	13.7	12.8	13.4	15.4	14.4	14.9
3	10.4	8.8	9.6	11.8	10.1	10.8	13.6	13.0	13.3	14.5	14.1	14.4
4	9.4	8.6	8.9	10.9	10.2	10.5	13.3	12.6	12.9	14.7	14.3	14.5
5	9.7	9.0	9.2	10.9	10.5	10.7	13.3	12.8	12.9	14.9	14.1	14.5
6	9.7	9.2	9.5	10.9	10.4	10.6	13.5	12.5	12.9	14.9	13.9	14.4
7	9.9	9.1	9.5	10.7	10.4	10.5	13.0	12.5	12.7	15.5	14.7	14.9
8	10.0	8.9	9.5	10.7	10.2	10.5	12.9	12.4	12.7	15.5	14.9	15.2
9	10.4	9.1	9.7	10.7	10.3	10.4	12.6	12.3	12.5	15.5	14.7	15.2
10	10.7	9.2	9.9	11.2	10.2	10.6	13.4	12.4	12.9	15.1	14.1	14.6
11	10.7	9.9	10.2	11.7	10.8	11.1	14.2	13.1	13.7	15.1	14.3	14.6
12	10.0	9.6	9.8	11.7	10.9	11.4	14.3	13.9	14.1	15.7	14.7	15.1
13	10.4	9.6	10.1	11.7	11.0	11.4	14.3	13.0	13.8	16.4	14.9	15.7
14	11.0	9.8	10.3	12.0	10.9	11.5	14.1	13.5	13.8	16.1	15.0	15.5
15	11.1	9.2	9.9	11.1	10.7	11.0	14.2	13.7	14.0	15.8	14.7	15.1
16	9.9	9.4	9.7	11.3	10.9	11.1	13.9	13.5	13.7	16.7	15.3	16.0
17	10.0	9.5	9.7	12.2	11.0	11.4	13.9	13.3	13.6	16.9	14.8	15.7
18	9.7	9.2	9.4	12.1	11.3	11.6	14.5	13.5	14.0	16.7	14.9	15.6
19	9.5	9.0	9.3	11.7	10.8	11.3	14.8	13.9	14.4	16.2	15.1	15.6
20	9.6	9.2	9.4	12.2	10.8	11.2	14.4	13.8	14.1	15.8	14.9	15.4
21	10.2	9.2	9.8	13.3	11.5	12.4	14.3	13.7	14.0	15.8	15.1	15.2
22	10	9.2	9.4	13.0	12.2	12.7	14.6	13.9	14.2	15.9	14.7	15.0
23	10.9	9.4	10.1	12.7	12.2	12.4	15.2	14.3	14.5	15.2	14.8	15.0
24	11.3	9.4	10.7	12.7	11.1	11.8	14.9	14.2	14.4	15.4	15.1	15.2
25	11.5	9.8	10.3	12.1	11.2	11.8	14.8	13.7	14.2	15.8	14.7	15.3
26	9.9	9.5	9.7	12.4	12.0	12.2	14.0	13.4	13.8	16.1	14.6	15.3
27	9.9	9.3	9.8	12.6	12.1	12.3	13.9	13.5	13.7	15.9	14.8	15.2
28	10.4	9.8	9.9	12.4	11.8	12.1	14.4	13.9	14.1	15.7	14.9	15.2
29	10.6	9.7	10.2	12.5	12.1	12.2	14.9	14.1	14.6	16.0	15.2	15.6
30	10.2	9.8	10	12.6	12.1	12.4	14.9	14.1	14.5	16.7	15.9	16.3
31	---	---	---	13.7	12.6	13.1	15.1	13.9	14.5	---	---	---
Month	11.5	8.5	9.7	13.7	10.0	11.4	15.2	12.3	13.7	16.9	13.9	15.2

0208455155 PAMLICO RIVER AT CHANNEL LIGHT 3 NEAR SPRING CREEK, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM
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	15.8	12.6	13.2	15.3	13.0	14.6	16.7	12.1	14.1	10.5	8.6	9.4
2	13.5	12.8	13.0	15.7	11.7	14.1	13.5	7.5	10.3	9.1	8.3	8.8
3	14.0	12.6	13.0	15.6	11.2	12.1	13.6	9.3	11.8	9.9	8.8	9.3
4	14.5	12.6	13.4	14.8	11.3	12.9	12.2	8.0	9.2	9.7	8.4	9.2
5	14.9	12.7	13.6	14.5	11.6	13.6	10.8	6.7	9.4	10.2	8.7	9.7
6	15.1	13.3	13.8	14.6	12.0	13.8	10.7	9.3	10.2	10.6	7.7	8.9
7	13.8	13.3	13.5	14.5	12.0	13.3	10.4	7.3	9.1	9.8	7.0	9.1
8	14.2	13.3	13.8	13.8	12.0	13.1	8.0	7.0	7.5	8.8	6.8	7.9
9	14.3	13.7	14.1	16.0	12.0	13.1	11.5	7.3	8.4	8.9	6.4	7.1
10	14.2	13.6	13.9	16.7	12.4	14.1	12.6	7.4	9.6	8.0	6.4	6.7
11	13.8	13.4	13.7	16.5	13.1	15.0	13.1	8.2	11.9	8.5	6.6	7.7
12	13.7	12.8	13.2	16.7	12.6	14.3	13.9	12.6	13.1	8.4	7.5	8.0
13	15.0	13.2	13.6	13.7	13.0	13.3	13.0	11.7	12.6	9.7	6.6	7.8
14	14.3	13.5	13.8	15.7	13.3	14.6	14.3	11.4	12.4	10.5	7.8	9.6
15	14.4	12.9	13.6	15.6	13.4	15.2	14.6	10.8	13.5	11.6	8.6	10.8
16	14.5	12.9	14.0	15.5	13.1	14.2	14.9	10.9	14.3	11.3	5.9	9.2
17	14.3	13.4	13.8	14.0	12.4	13.2	14.7	13.5	14.4	9.5	5.9	6.5
18	13.9	13.3	13.6	13.2	11.5	12.2	14.8	12.7	14.2	7.4	6.2	6.7
19	13.9	13.5	13.7	12.3	10.9	11.7	14.9	14.0	14.6	7.3	6.4	6.9
20	13.6	13.1	13.3	14.4	10.9	13.9	14.7	12.4	14.3	8.3	7.3	7.5
21	14.1	13.5	13.8	14.1	8.0	11.8	14.2	11.3	12.9	8.5	7.3	7.9
22	14.0	13.7	13.9	13.3	9.2	10.7	13.8	11.7	12.9	7.9	7.1	7.5
23	13.7	12.6	13.2	11.0	6.2	8.3	13.9	10.4	12.1	8.1	7.6	7.7
24	14.1	12.5	13.0	13.8	7.1	9.5	13.7	9.3	11.3	9.5	7.1	7.9
25	13.9	12.6	13.3	15.0	5.6	11.9	13.8	10.5	12.1	9.5	7.1	7.7
26	15.6	12.7	13.7	14.6	10.3	13.1	11.1	9.5	10.4	9.7	6.7	8.0
27	16.4	13.4	15.1	15.1	12.6	14.1	10.6	10.3	10.4	9.7	6.8	7.6
28	16.3	13.6	14.3	15.1	13.3	14.5	10.6	10.4	10.4	8.5	6.5	7.2
29	14.0	13.3	13.7	15.0	12.6	14.4	11.3	10.1	10.6	8.1	6.0	6.8
30	13.7	13.4	13.6	16.5	12.8	14.5	11.3	9.6	10.6	8.7	6.7	7.7
31	14.8	13.3	13.6	---	---	---	11.3	9.8	10.7	9.1	6.9	7.4
Month	16.4	12.5	13.6	16.7	5.6	13.2	16.7	6.7	11.6	11.6	5.9	8.1

0208455155 PAMLICO RIVER AT CHANNEL LIGHT 3 NEAR SPRING CREEK, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM
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	8.5	7.2	8.0	7.8	7.3	7.5	10.3	5.4	7.2	12.6	6.5	8.4
2	8.6	6.7	7.4	7.6	6.8	7.2	10.2	5.5	6.4	11.5	6.8	7.4
3	8.0	6.7	7.2	7.4	6.8	7.0	11.1	5.1	7.6	10.2	7.1	8.0
4	8.3	6.7	7.2	7.3	6.6	7.0	10.3	5.4	8.1	8.6	7.8	8.2
5	7.6	7.1	7.3	8.1	6.4	7.2	6.5	5.5	5.9	8.8	7.8	8.5
6	8.3	7.0	7.6	7.6	6.8	7.3	7.6	6.4	7.3	9.1	7.3	8.1
7	8.3	6.8	7.3	7.6	7.1	7.3	7.8	6.0	6.8	9.3	7.7	8.5
8	7.5	6.8	7.1	7.5	7.0	7.4	7.3	6.5	7.0	9.2	8.2	8.8
9	8.1	6.7	7.3	7.8	7.3	7.5	7.8	6.8	7.4	8.5	7.8	8.0
10	7.6	6.3	6.8	7.6	6.7	7.3	9.4	6.5	7.4	8.3	7.9	8.1
11	8.1	6.2	7.2	7.6	6.2	6.8	9.1	7.5	8.1	9.1	7.9	8.3
12	8.0	7.4	7.6	7.5	6.3	6.7	8.3	6.7	7.5	9.0	7.6	8.3
13	8.0	7.1	7.8	7.0	6.5	6.6	7.8	7.0	7.3	9.0	7.5	8.0
14	9.0	6.9	7.3	7.5	5.9	6.7	8.8	7.0	7.8	10.9	8.2	9.6
15	8.0	7.0	7.5	8.8	4.9	6.8	7.6	6.2	7.1	11.3	8.1	9.1
16	8.2	6.7	7.3	9.8	4.8	7.3	6.6	5.3	6.0	12.8	8.1	8.9
17	8.6	6.4	8.1	6.5	5.6	5.8	8.1	5.5	6.4	10.2	9.0	9.4
18	8.5	6.0	6.5	7.0	5.5	6.1	8.9	6.4	7.4	9.7	9.0	9.3
19	8.0	5.9	6.8	8.6	5.7	7.3	8.3	7.0	7.3	9.8	8.5	9.1
20	8.0	6.3	6.9	7.8	5.3	5.7	7.5	7.0	7.3	9.7	8.1	8.9
21	7.3	6.9	7.1	7.5	5.6	6.1	8.8	6.7	7.3	13.4	8.1	9.6
22	7.6	6.2	6.8	6.7	5.4	5.9	8.6	6.4	7.4	11.6	9.0	9.8
23	8.6	6.4	7.4	9.0	4.9	6.4	11.3	6.4	8.4	10	8.6	9.3
24	8.8	6.5	7.7	9.5	4.6	6.6	11.1	4.7	6.6	10.0	8.6	9.4
25	9.3	7.1	8.4	9.8	4.4	7.3	9.2	5.2	6.1	10	9.2	9.7
26	8.6	7.3	7.6	7.9	5.7	6.5	10.9	5.3	7.2	9.5	8.8	9.3
27	8.6	7.6	7.8	8.5	5.0	5.8	---	---	---	10.7	8.5	9.1
28	8.0	7.2	7.5	9.7	4.6	6.2	8.2	6.4	7.1	11.3	8.5	9.1
29	---	---	---	9.7	5.1	8.0	7.1	6.4	6.6	11.6	8.7	9.5
30	---	---	---	9.1	5.6	7.0	7.4	6.4	6.7	11.5	9.3	10.3
31	---	---	---	8.8	6.2	7.2	---	---	---	10	9.6	9.8
Month	9.3	5.9	7.4	9.8	4.4	6.8	---	---	---	13.4	6.5	8.9

0208455155 PAMLICO RIVER AT CHANNEL LIGHT 3 NEAR SPRING CREEK, NC—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM
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	10.1	9.0	9.5	10.7	10	10.4	13.9	13.2	13.5	15.3	14.2	14.7
2	10.4	9.0	9.6	11.3	10.6	11.1	14.5	13.2	13.7	15.5	14.6	15.1
3	10.4	8.7	9.6	11.8	10.6	11.3	14.3	13.1	13.6	15.1	14.4	14.7
4	10	8.6	9.0	12.0	10.6	11.3	15.4	13.0	13.4	15.3	14.5	14.7
5	10.1	9.1	9.4	11.5	10.6	10.9	16.3	13.0	14.0	15.8	14.4	14.7
6	11.9	9.2	9.6	13.0	10.6	11.1	16.0	12.9	14.2	15.9	14.3	14.8
7	11.9	9.8	10.8	12.8	10.8	11.7	15.7	12.9	13.8	15.5	14.7	15.1
8	10.9	9.5	9.9	13.0	10.7	11.3	15.4	12.8	13.4	15.5	15.0	15.3
9	10.6	9.3	9.9	14.5	10.4	11.5	14.7	12.5	13.0	15.7	14.7	15.2
10	10.7	9.4	10.2	15.7	10.9	12.7	14.5	12.6	13.3	15.7	14.1	14.9
11	10.7	10	10.3	12.4	10.8	11.3	14.2	13.3	13.8	15.4	14.5	14.8
12	10.4	9.7	10.0	13.5	11.3	11.9	14.3	13.9	14.1	17.1	14.9	15.6
13	10.5	9.8	10.2	12.6	11.3	11.9	14.3	13.7	14.0	16.6	15.4	16.0
14	11.1	9.8	10.4	12.1	11.3	11.7	14.4	13.5	13.8	16.5	15.5	16.0
15	11.1	9.7	10.3	15.1	11.0	12.2	14.3	13.6	14.0	16.1	14.8	15.6
16	10	9.7	9.8	15.8	10.9	12.4	14.1	13.6	13.8	16.7	15.8	16.2
17	10.4	9.6	10	17.9	11.1	13.0	14.7	13.3	13.7	16.8	14.8	16.0
18	13.5	9.3	10.4	14.7	11.5	12.0	14.5	13.5	14.1	16.7	15.0	15.9
19	13.1	9.3	10.4	16.3	11.4	12.0	15.2	14.3	14.7	16.7	15.3	16.0
20	13.7	9.3	9.7	18.1	11.3	13.7	15.2	14.1	14.3	16.6	15.3	15.8
21	13.4	9.5	10.9	18.3	12.6	14.2	14.7	13.9	14.1	16.5	15.8	16.1
22	10.6	9.3	9.9	13.3	12.3	12.8	14.7	13.9	14.3	15.9	15.2	15.6
23	11.2	9.8	10.6	13.5	12.2	12.7	15.2	14.3	14.6	16.2	15.1	15.6
24	12.3	10.1	11.2	14.6	11.6	12.9	15.0	14.4	14.6	18.1	15.1	16.2
25	11.5	10.0	11.0	15.9	12.0	13.3	14.9	13.9	14.5	17.4	15.5	16.2
26	12.8	10	10.9	14.6	12.2	13.3	14.5	13.7	14.2	17.9	15.3	16.1
27	13.0	10.0	11.4	14.4	12.3	12.6	16.4	13.7	14.6	20.2	15.6	17.2
28	13.3	10	10.7	17.7	12.2	14.0	16.4	14.1	15.0	19.2	15.1	16.2
29	10.6	9.7	10.3	17.8	12.6	14.7	15.3	14.4	14.8	17.5	15.4	15.9
30	10.9	9.8	10.1	15.5	12.6	14.1	14.9	14.6	14.8	17.2	15.9	16.5
31	---	---	---	14.5	13.0	13.6	15.1	14.3	14.7	---	---	---
Month	13.7	8.6	10.2	18.3	10.0	12.4	16.4	12.5	14.1	20.2	14.1	15.6

0208455155 PAMLICO RIVER AT CHANNEL LIGHT 3 NEAR SPRING CREEK, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	October			November			December			January		
1	8.3	8.1	8.2	8.2	8.1	8.2	7.7	7.4	7.6	8.5	7.7	8.1
2	8.4	8.1	8.2	8.3	8.2	8.2	7.8	7.5	7.6	8.2	7.9	8.1
3	8.5	8.2	8.4	8.2	8.0	8.1	7.8	7.6	7.8	8.5	8.0	8.2
4	8.5	8.3	8.4	8.2	8.1	8.2	7.8	7.7	7.8	8.9	8.0	8.5
5	8.5	8.2	8.3	8.2	8.1	8.2	7.8	7.6	7.7	9.0	8.4	8.7
6	8.3	8.1	8.2	8.2	8.1	8.2	8.1	7.7	7.8	8.9	7.7	8.6
7	8.2	8.1	8.2	8.2	8.0	8.1	8.4	7.8	8.0	9.0	7.4	8.6
8	8.1	8.0	8.0	8.2	7.9	8.0	8.1	7.8	7.9	8.4	7.4	7.8
9	8.0	7.9	8.0	8.1	8.0	8.0	8.3	7.8	8.0	8.3	7.7	8.2
10	8.0	7.9	8.0	8.2	7.9	8.1	8.4	8.0	8.2	7.9	7.6	7.8
11	8.1	7.9	8.0	8.3	7.6	8.1	9.0	8.1	8.4	8.4	7.8	7.9
12	8.2	8.1	8.2	8.2	7.7	8.0	8.9	8.3	8.6	9.2	8.0	8.4
13	8.2	7.9	8.0	7.8	7.7	7.8	8.9	8.4	8.7	9.0	8.7	8.9
14	8.1	7.8	7.9	8.2	7.6	7.8	9.0	8.1	8.9	8.9	8.3	8.7
15	8.2	8.0	8.1	8.2	7.3	8.0	9.3	8.9	9.1	8.7	8.0	8.4
16	8.2	8.0	8.1	8.1	7.7	7.8	9.2	8.8	9.0	8.4	7.7	8.0
17	8.1	7.9	8.0	8.1	7.7	7.8	9.1	8.8	9.0	8.2	7.6	7.9
18	8.1	7.8	7.9	8.1	7.8	7.9	9.3	8.8	9.1	8.2	7.8	8.0
19	8.0	7.8	8.0	8.3	7.9	8.0	9.3	8.9	9.1	8.3	7.9	8.1
20	8.0	7.8	7.9	8.1	7.5	8.0	9.1	8.8	9.0	8.2	7.7	7.9
21	7.9	7.8	7.8	8.0	7.8	7.9	9.2	8.9	9.0	8.3	7.9	8.0
22	7.9	7.7	7.8	8.1	7.8	7.9	9.1	8.0	8.9	8.3	7.8	8.0
23	8.0	7.8	7.9	7.9	7.7	7.8	9.1	7.9	8.5	8.3	7.8	8.0
24	7.9	7.8	7.9	7.9	7.5	7.7	9.1	8.7	8.9	8.6	8.1	8.4
25	8.1	7.8	7.9	7.8	7.4	7.5	8.8	7.7	8.5	8.7	8.5	8.6
26	8.2	8.0	8.0	8.2	7.3	7.6	8.2	7.7	8.0	8.7	8.4	8.5
27	8.2	8.1	8.1	7.7	7.2	7.4	8.0	7.9	7.9	8.8	8.3	8.6
28	8.1	7.8	8.0	7.6	6.8	7.4	8.5	7.8	8.0	8.9	8.4	8.6
29	8.1	8.0	8.0	7.8	7.3	7.5	8.7	8.2	8.6	8.7	8.2	8.4
30	8.1	8.0	8.1	7.9	7.5	7.6	9.2	8.6	8.7	8.6	8.2	8.5
31	8.2	8.0	8.1	---	---	---	9.1	8.3	8.7	8.6	8.3	8.4
Max	8.5	8.3	8.4	8.3	8.2	8.2	9.3	8.9	9.1	9.2	8.7	8.9
Min	7.9	7.7	7.8	7.6	6.8	7.4	7.7	7.4	7.6	7.9	7.4	7.8

0208455155 PAMLICO RIVER AT CHANNEL LIGHT 3 NEAR SPRING CREEK, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	February			March			April			May		
1	8.4	8.2	8.4	8.9	8.5	8.6	8.3	8.0	8.2	8.0	7.7	7.9
2	8.5	8.2	8.3	8.8	8.5	8.6	8.6	7.7	8.0	7.9	7.7	7.8
3	8.5	8.2	8.4	8.7	8.5	8.6	8.6	7.8	8.4	7.9	7.7	7.8
4	8.6	8.4	8.5	8.7	8.4	8.6	8.5	8.0	8.3	7.8	7.6	7.7
5	8.6	8.3	8.5	8.8	8.3	8.6	8.5	8.0	8.3	7.8	7.6	7.7
6	8.7	8.4	8.6	8.7	8.4	8.5	8.5	7.8	8.0	7.7	7.5	7.6
7	8.8	8.4	8.6	8.8	8.5	8.6	8.3	7.6	7.7	7.7	7.5	7.6
8	8.7	8.5	8.5	8.8	8.5	8.7	8.0	7.6	7.7	7.8	7.6	7.7
9	8.7	8.5	8.6	8.9	8.6	8.8	8.3	7.6	7.9	7.8	7.6	7.7
10	8.8	8.6	8.7	9.0	8.8	8.9	8.2	7.7	7.9	8.1	7.6	7.8
11	8.9	8.7	8.8	9.0	8.8	8.9	7.9	7.3	7.6	8.0	7.5	7.8
12	9.0	8.8	8.9	9.0	8.7	8.8	7.8	7.4	7.7	8.2	7.8	8.0
13	9.3	8.8	9.0	9.0	8.7	8.9	7.9	7.6	7.7	8.0	7.8	7.9
14	8.8	8.3	8.5	9.0	8.9	9.0	8.0	7.6	7.8	7.9	7.7	7.8
15	8.7	8.4	8.5	9.0	8.9	9.0	7.8	7.5	7.6	8.0	7.7	7.8
16	8.7	8.5	8.6	9.0	8.3	8.9	7.6	7.4	7.4	8.0	7.5	7.8
17	8.8	8.6	8.7	8.6	8.3	8.4	7.6	7.3	7.4	7.9	7.5	7.8
18	8.6	8.4	8.6	8.6	8.2	8.4	7.5	7.3	7.4	7.8	7.7	7.7
19	8.5	8.3	8.4	8.8	8.4	8.6	7.6	7.4	7.4	8.0	7.7	7.8
20	8.4	8.2	8.3	8.8	8.5	8.5	7.5	7.4	7.4	8.2	7.9	8.1
21	8.8	8.1	8.4	8.7	8.5	8.6	7.8	7.4	7.5	8.1	7.8	8.0
22	8.8	8.4	8.5	8.8	8.6	8.7	8.0	7.5	7.8	8.0	7.8	7.9
23	8.5	8.1	8.2	8.8	8.7	8.8	8.3	7.8	8.0	7.9	7.7	7.8
24	8.6	8.0	8.2	8.8	8.7	8.8	8.1	7.5	8.0	7.9	7.7	7.8
25	8.6	7.9	8.3	8.8	8.4	8.7	8.3	7.7	8.0	7.9	7.7	7.8
26	8.9	7.8	8.4	8.6	8.3	8.6	8.3	7.9	8.0	7.9	7.7	7.8
27	8.9	8.1	8.7	8.6	8.3	8.5	---	---	---	8.0	7.7	7.8
28	8.8	8.4	8.7	8.5	8.3	8.4	8.1	7.6	7.8	8.0	7.6	7.8
29	---	---	---	8.3	8.1	8.2	8.0	7.7	7.8	7.8	7.6	7.7
30	---	---	---	8.3	8.0	8.1	8.0	7.7	7.9	7.8	7.6	7.7
31	---	---	---	8.3	8.0	8.1	---	---	---	7.9	7.4	7.7
Max	9.3	8.8	9.0	9.0	8.9	9.0	---	---	---	8.2	7.9	8.1
Min	8.4	7.8	8.2	8.3	8.0	8.1	---	---	---	7.7	7.4	7.6

0208455155 PAMLICO RIVER AT CHANNEL LIGHT 3 NEAR SPRING CREEK, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	June			July			August			September		
1	7.8	7.6	7.7	8.1	7.8	8.0	8.3	8.1	8.2	8.3	8.1	8.2
2	7.7	7.3	7.5	8.3	7.8	8.0	8.3	8.0	8.1	8.3	8.1	8.2
3	7.6	7.3	7.5	8.2	8.0	8.1	8.1	8.0	8.1	8.2	8.0	8.1
4	7.9	7.4	7.6	8.2	8.0	8.1	8.4	8.0	8.1	8.2	7.7	8.0
5	7.9	7.6	7.7	8.2	7.9	8.0	8.2	8.1	8.1	8.4	7.8	8.3
6	8.0	7.6	7.7	8.3	7.9	8.1	8.3	7.9	8.1	8.3	8.2	8.3
7	8.2	7.6	7.9	8.3	8.0	8.1	8.2	8.0	8.1	8.4	8.2	8.3
8	8.2	7.6	7.9	8.4	7.9	8.2	8.6	7.9	8.3	8.4	8.2	8.3
9	8.1	7.7	8.0	8.3	7.9	8.1	8.4	8.2	8.3	8.3	8.2	8.3
10	8.1	7.8	7.9	8.3	7.9	8.0	8.5	8.0	8.2	8.3	8.0	8.2
11	8.1	7.8	8.0	8.3	7.7	8.1	8.3	8.1	8.2	8.2	8.0	8.2
12	8.1	7.8	8.0	8.4	8.0	8.2	8.4	8.1	8.2	8.1	7.9	8.0
13	8.0	7.8	7.9	8.5	8.2	8.3	8.4	8.1	8.2	8.0	7.9	8.0
14	8.0	7.8	7.9	8.5	8.3	8.4	8.4	8.1	8.2	8.1	8.0	8.1
15	8.1	7.8	8.0	8.5	8.4	8.4	8.4	8.2	8.2	8.2	8.0	8.0
16	8.3	7.7	7.9	8.4	8.2	8.4	8.4	8.2	8.3	8.2	8.1	8.2
17	8.3	7.9	8.0	8.5	8.1	8.3	8.3	8.2	8.2	8.2	8.1	8.2
18	8.4	7.9	8.2	8.3	8.0	8.2	8.3	8.1	8.2	8.3	8.1	8.2
19	8.3	8.0	8.2	8.3	8.1	8.2	8.3	8.1	8.2	8.3	8.1	8.2
20	8.2	7.9	8.1	8.3	8.1	8.2	8.3	8.1	8.2	8.2	8.1	8.2
21	8.3	7.8	8.1	8.2	8.0	8.1	8.3	8.1	8.2	8.2	8.0	8.1
22	8.3	8.1	8.2	8.1	8.0	8.0	8.3	8.0	8.1	8.2	8.0	8.1
23	8.4	8.0	8.2	8.2	7.9	8.0	8.2	8.1	8.1	8.3	8.0	8.2
24	8.2	8.0	8.1	8.3	8.0	8.2	8.2	8.1	8.1	8.2	8.1	8.2
25	8.2	7.9	8.0	8.3	8.1	8.2	8.3	8.1	8.2	8.3	8.2	8.2
26	8.4	8.0	8.1	8.3	8.1	8.2	8.2	8.1	8.2	8.4	8.1	8.3
27	8.3	8.0	8.1	8.3	8.1	8.2	8.4	8.0	8.2	8.4	8.2	8.3
28	8.2	7.9	8.1	8.2	8.0	8.1	8.2	8.1	8.1	8.4	8.2	8.3
29	8.2	7.5	8.0	8.4	8.1	8.2	8.3	8.0	8.3	8.4	8.3	8.3
30	8.2	7.8	8.0	8.2	8.2	8.2	8.4	8.2	8.3	8.3	8.2	8.2
31	---	---	---	8.3	8.0	8.2	8.4	8.1	8.2	---	---	---
Max	8.4	8.1	8.2	8.5	8.4	8.4	8.6	8.2	8.3	8.4	8.3	8.3
Min	7.6	7.3	7.5	8.1	7.7	8.0	8.1	7.9	8.1	8.0	7.7	8.0

0208455155 PAMLICO RIVER AT CHANNEL LIGHT 3 NEAR SPRING CREEK, NC—Continued

**PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	October			November			December			January		
1	8.3	7.2	8.1	7.8	7.4	7.5	7.7	7.4	7.6	8.0	7.4	7.7
2	8.2	7.8	8.2	7.9	7.4	7.5	7.8	7.5	7.6	7.9	7.7	7.8
3	8.3	7.8	8.2	7.9	7.4	7.8	7.7	7.4	7.6	7.8	7.0	7.5
4	8.4	7.3	8.1	7.9	7.5	7.6	7.7	7.4	7.7	8.2	7.1	7.5
5	8.3	7.3	8.2	7.8	7.4	7.6	7.7	7.6	7.6	7.6	7.0	7.1
6	8.3	7.6	8.1	7.8	7.3	7.5	7.7	7.4	7.6	8.2	7.0	7.6
7	8.2	8.1	8.2	7.8	7.2	7.5	8.1	7.4	7.5	8.2	7.0	7.1
8	8.1	8.0	8.1	7.8	7.4	7.6	8.0	7.7	7.8	8.1	7.2	7.4
9	8.1	8.0	8.0	7.8	7.4	7.7	8.0	7.7	7.8	8.1	7.2	7.9
10	8.1	7.9	8.0	8.0	7.4	7.7	8.1	7.8	8.0	7.7	7.3	7.5
11	8.2	8.0	8.1	7.7	7.4	7.6	8.0	7.7	7.8	7.7	7.4	7.5
12	8.3	7.9	8.2	7.8	7.4	7.6	7.7	7.6	7.6	7.8	7.3	7.6
13	8.1	7.6	8.0	7.6	7.5	7.5	7.6	7.5	7.5	7.7	6.8	7.4
14	8.2	7.9	8.0	7.6	7.5	7.5	7.5	7.4	7.5	7.2	6.8	6.9
15	8.3	8.0	8.1	7.6	7.3	7.4	7.5	7.4	7.4	7.3	6.8	6.9
16	8.2	7.6	7.9	7.7	7.4	7.5	7.5	7.3	7.4	7.7	6.8	7.0
17	8.1	7.8	8.0	7.7	7.4	7.6	7.4	7.3	7.3	7.9	6.7	7.7
18	8.0	7.9	8.0	7.8	7.6	7.7	7.8	7.2	7.3	7.9	7.4	7.8
19	8.1	7.6	7.9	7.8	7.6	7.7	7.3	7.2	7.2	8.0	7.6	7.8
20	8.1	7.9	8.0	7.8	7.2	7.4	8.0	7.1	7.2	7.9	7.5	7.6
21	8.0	7.8	8.0	7.7	7.2	7.6	8.6	6.9	7.3	7.8	7.4	7.5
22	8.0	7.8	7.9	7.6	7.5	7.6	7.8	6.8	7.1	7.8	7.5	7.7
23	8.1	7.8	8.0	7.6	7.4	7.5	8.0	6.7	7.4	8.0	7.5	7.7
24	8.0	8.0	8.0	7.6	7.3	7.5	8.7	6.6	7.8	8.4	7.2	7.9
25	8.0	7.7	7.9	7.6	7.2	7.4	8.3	6.6	7.2	8.6	7.3	8.5
26	7.8	7.5	7.7	7.4	7.3	7.3	8.0	7.5	7.8	8.6	8.1	8.4
27	7.8	7.5	7.6	7.4	7.2	7.3	7.8	7.7	7.7	8.8	8.1	8.4
28	7.7	7.5	7.7	7.5	7.2	7.3	7.8	7.6	7.6	8.6	8.1	8.4
29	7.8	7.6	7.7	7.5	7.2	7.3	8.3	7.0	7.7	8.6	8.1	8.3
30	7.8	7.6	7.7	7.6	7.4	7.5	8.2	6.9	7.4	8.6	8.0	8.2
31	7.8	7.3	7.7	---	---	---	7.8	6.8	7.1	8.5	8.0	8.3
Max	8.4	8.1	8.2	8.0	7.6	7.8	8.7	7.8	8.0	8.8	8.1	8.5
Min	7.7	7.2	7.6	7.4	7.2	7.3	7.3	6.6	7.1	7.2	6.7	6.9

0208455155 PAMLICO RIVER AT CHANNEL LIGHT 3 NEAR SPRING CREEK, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	February			March			April			May		
1	8.2	7.8	8.2	8.8	8.3	8.6	8.4	6.9	7.8	7.9	7.2	7.8
2	8.4	7.7	8.2	8.8	8.5	8.7	8.2	7.1	8.1	8.1	7.3	7.8
3	8.4	8.1	8.3	8.7	8.4	8.6	8.5	7.1	7.8	8.0	7.1	7.8
4	8.6	8.1	8.3	8.7	8.5	8.6	8.5	7.1	7.3	7.9	7.6	7.8
5	8.6	8.3	8.4	8.8	8.3	8.5	8.6	8.0	8.5	7.9	7.4	7.8
6	8.4	8.0	8.3	8.7	8.4	8.5	8.3	7.7	7.9	7.9	7.4	7.8
7	8.7	8.0	8.4	8.8	8.5	8.6	8.3	7.5	7.8	7.9	7.7	7.8
8	8.6	8.4	8.5	8.9	8.6	8.6	8.0	7.6	7.7	8.0	7.8	7.8
9	8.6	8.4	8.5	8.8	8.5	8.7	7.8	7.3	7.5	7.9	7.7	7.8
10	8.8	8.3	8.6	8.9	8.5	8.7	8.0	7.0	7.4	8.0	7.4	7.8
11	8.8	8.2	8.6	9.1	8.4	8.8	7.7	7.0	7.6	7.9	7.3	7.6
12	8.7	8.2	8.4	9.1	8.1	8.9	7.9	7.4	7.6	7.8	7.3	7.6
13	8.6	8.0	8.5	9.0	8.7	8.9	7.9	7.6	7.7	8.0	7.3	7.9
14	8.6	7.5	8.4	9.1	8.4	8.9	7.8	7.2	7.6	8.0	7.4	7.8
15	8.5	8.2	8.3	9.2	7.5	8.4	7.8	7.6	7.7	8.0	7.2	7.8
16	8.6	8.3	8.5	9.1	7.2	8.2	7.7	7.4	7.5	8.0	7.2	7.8
17	8.6	8.0	8.2	8.7	8.4	8.6	7.5	7.3	7.4	7.9	7.4	7.6
18	8.6	8.0	8.5	8.7	8.3	8.5	7.5	7.2	7.4	7.8	7.5	7.7
19	8.5	8.1	8.3	8.7	7.7	8.2	7.5	7.2	7.4	7.8	7.5	7.6
20	8.4	8.1	8.2	8.8	7.7	8.6	7.6	7.4	7.5	7.9	7.4	7.7
21	8.2	7.9	8.1	8.8	7.3	8.5	7.5	6.9	7.4	8.0	7.3	7.6
22	8.6	7.8	8.1	8.8	8.3	8.6	7.4	7.1	7.2	8.0	7.4	7.7
23	8.4	7.8	8.0	8.8	6.9	8.6	7.3	6.9	7.2	7.8	7.4	7.6
24	8.1	7.5	7.8	8.8	6.9	7.5	8.0	7.2	7.5	8.0	7.4	7.7
25	8.1	7.3	7.5	8.8	6.9	7.0	8.1	7.2	7.6	8.0	7.6	7.8
26	8.6	7.3	7.8	8.5	7.2	8.2	8.0	7.2	7.8	7.9	7.5	7.8
27	8.5	7.3	8.1	8.6	6.9	8.5	---	---	---	7.8	7.1	7.7
28	8.7	7.9	8.5	8.6	6.9	8.1	8.0	7.2	7.7	7.9	7.2	7.7
29	---	---	---	8.3	6.9	7.0	7.9	7.6	7.8	7.8	7.1	7.7
30	---	---	---	8.2	6.8	7.8	8.0	7.7	7.8	7.9	7.1	7.6
31	---	---	---	8.2	6.9	7.4	---	---	---	7.9	7.7	7.8
Max	8.8	8.4	8.6	9.2	8.7	8.9	---	---	---	8.1	7.8	7.9
Min	8.1	7.3	7.5	8.2	6.8	7.0	---	---	---	7.8	7.1	7.6

0208455155 PAMLICO RIVER AT CHANNEL LIGHT 3 NEAR SPRING CREEK, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	June			July			August			September		
1	7.8	7.0	7.7	8.2	7.8	8.1	8.2	8.1	8.2	8.4	8.0	8.2
2	7.7	7.0	7.4	8.3	7.9	8.1	8.2	7.7	8.1	8.3	8.2	8.3
3	7.7	7.5	7.6	8.2	7.8	8.0	8.2	7.5	8.0	8.3	8.1	8.2
4	8.0	7.5	7.6	8.0	7.4	7.9	8.2	7.1	8.0	8.3	8.0	8.2
5	8.0	7.6	7.8	8.1	7.5	7.8	8.2	7.1	7.9	8.4	7.9	8.3
6	8.1	7.5	7.9	8.0	7.4	7.9	8.2	7.1	7.7	8.3	8.0	8.2
7	8.0	7.2	7.7	8.1	7.3	7.7	8.2	7.3	8.0	8.4	8.0	8.2
8	7.9	7.2	7.8	8.2	7.1	7.9	8.3	7.7	8.0	8.4	8.2	8.3
9	8.1	7.4	7.8	8.2	7.2	8.0	8.3	7.9	8.3	8.3	8.1	8.2
10	8.0	7.4	7.8	8.1	7.3	7.7	8.4	7.8	8.2	8.2	8.1	8.2
11	8.1	7.7	7.9	8.1	7.7	8.0	8.3	8.1	8.2	8.3	7.9	8.2
12	7.9	7.6	7.8	8.1	7.6	7.9	8.3	8.1	8.2	8.2	7.8	8.0
13	8.0	7.5	7.8	8.2	7.4	7.8	8.3	8.1	8.2	8.0	7.7	7.9
14	7.9	7.8	7.8	8.3	8.1	8.2	8.3	8.0	8.2	8.0	7.9	7.9
15	7.9	7.6	7.8	8.2	7.2	8.2	8.3	8.0	8.2	8.0	7.9	8.0
16	7.9	7.4	7.7	8.2	7.2	8.2	8.5	8.2	8.3	8.0	7.9	8.0
17	8.1	7.4	7.9	8.3	7.3	8.0	8.4	8.0	8.3	8.0	7.9	8.0
18	8.1	7.2	7.7	8.1	7.6	7.9	8.4	8.2	8.3	8.0	7.9	7.9
19	8.0	7.2	7.8	8.1	7.1	7.9	8.4	8.2	8.2	8.1	7.8	7.9
20	8.1	7.1	8.0	8.0	7.0	7.8	8.4	8.2	8.3	8.1	7.9	8.0
21	8.1	7.1	7.9	8.0	7.1	7.8	8.4	8.0	8.3	8.2	8.0	8.1
22	8.1	7.8	8.0	8.0	7.8	7.9	8.3	8.1	8.2	8.2	7.9	8.1
23	8.2	7.3	7.9	8.0	7.7	7.8	8.3	8.2	8.2	8.3	7.8	8.1
24	8.0	7.0	7.9	8.0	7.3	7.8	8.3	8.0	8.2	8.3	7.8	8.1
25	7.9	7.3	7.8	8.2	7.1	7.8	8.3	8.0	8.2	8.3	8.0	8.2
26	7.9	7.1	7.4	8.3	7.4	7.6	8.3	8.0	8.1	8.3	7.7	8.2
27	8.3	7.1	7.4	8.2	7.5	8.1	8.3	7.5	8.1	8.2	7.4	8.0
28	8.3	7.2	8.0	8.2	7.2	7.9	8.3	7.6	8.0	8.3	7.5	8.1
29	8.2	7.6	7.9	8.3	7.2	7.8	8.3	7.8	8.2	8.3	7.8	8.2
30	8.2	7.9	8.0	8.2	7.5	7.8	8.4	8.2	8.2	8.2	8.0	8.1
31	---	---	---	8.3	7.4	8.1	8.4	8.1	8.2	---	---	---
Max	8.3	7.9	8.0	8.3	8.1	8.2	8.5	8.2	8.3	8.4	8.2	8.3
Min	7.7	7.0	7.4	8.0	7.0	7.6	8.2	7.1	7.7	8.0	7.4	7.9

0208455155 PAMLICO RIVER AT CHANNEL LIGHT 3 NEAR SPRING CREEK, NC—Continued

**TEMPERATURE, WATER, DEGREES CELSIUS, TOP
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	23.6	22.5	23.0	18.6	16.1	17.0	15.9	14.0	14.6	13.2	12.2	12.6
2	24.0	22.6	23.0	17.5	16.6	17.1	16.0	14.3	15.2	12.6	12.0	12.4
3	23.5	22.6	23.0	16.7	14.4	15.4	14.4	13.7	14.1	12.6	11.2	12.1
4	24.4	22.6	23.1	14.4	13.1	13.9	14.0	12.5	13.3	13.2	11.4	12.4
5	24.4	22.6	23.2	13.5	12.5	13.0	12.9	11.2	11.7	14.1	12.7	13.3
6	24.0	23.0	23.3	14.1	12.6	13.1	11.8	10.5	11.3	14.9	13.4	14.2
7	23.3	22.3	22.6	13.9	13.0	13.4	12.2	11.4	11.7	14.6	13.8	14.3
8	22.6	22.0	22.3	15.0	13.8	14.3	11.4	9.5	10.3	14.8	13.9	14.5
9	22.4	21.9	22.1	15.2	14.2	14.5	9.5	7.6	8.7	14.2	12.7	13.6
10	22.6	21.8	22.1	16.0	14.4	15.1	9.2	7.4	8.2	12.7	11.2	11.9
11	22.6	21.8	22.2	16.4	15.2	15.8	10.3	7.4	8.1	11.2	10.2	10.7
12	22.6	21.7	22.2	15.9	14.3	15.3	8.8	7.6	8.2	11.4	9.5	10.5
13	22.4	21.1	21.7	14.3	14.0	14.1	9.7	8.0	8.8	11.9	10.7	11.3
14	21.2	20.1	20.7	15.4	14.0	14.5	10.2	9.4	9.7	12.7	11.3	11.9
15	20.1	19.0	19.6	15.7	14.6	15.1	11.5	10.1	10.8	13.0	12.2	12.6
16	19.9	18.8	19.3	16.2	14.9	15.5	11.6	10.5	11.0	13.1	12.5	12.8
17	19.5	19.0	19.2	16.0	14.9	15.4	11.1	10.0	10.7	12.5	10.6	11.4
18	20.8	19.4	19.9	15.4	14.1	14.9	12.3	10.6	11.5	10.6	9.6	10
19	21.1	20.1	20.5	14.6	13.3	14.0	12.3	11.5	11.8	9.9	9.2	9.4
20	21.1	20.1	20.6	14.1	12.6	13.0	11.7	10.7	11.1	9.4	8.3	9.0
21	20.9	20.0	20.4	13.0	12.3	12.7	10.8	9.7	10.3	8.9	7.8	8.1
22	20.0	19.7	19.9	13.5	12.3	12.9	11.7	10.3	10.9	8.3	7.8	8.0
23	19.7	18.4	19.3	13.1	12.4	12.6	13.3	11.5	12.3	8.5	7.7	8.1
24	18.4	16.4	17.3	12.6	11.8	12.3	12.7	12.0	12.3	8.2	7.4	7.7
25	16.4	15.2	15.7	12.5	11.3	11.8	12.9	12.0	12.2	7.8	7.3	7.6
26	15.4	14.5	15.0	12.1	10.8	11.6	13.1	12.6	12.9	7.3	6.2	6.8
27	15.2	13.9	14.6	12.3	11.6	11.9	12.6	11.7	12.0	6.9	6.0	6.4
28	16.4	15.2	16.0	14.5	12.0	12.3	12.1	11.0	11.4	8.5	6.7	7.2
29	16.0	15.3	15.5	13.5	12.3	12.6	12.2	10.9	11.5	7.6	5.5	6.5
30	16.1	15.0	15.4	14.7	12.5	13.4	12.7	10.8	11.4	5.9	5.1	5.5
31	17.1	15.1	15.9	---	---	---	12.3	11.2	11.7	5.6	5.0	5.3
Month	24.4	13.9	20.0	18.6	10.8	13.9	16.0	7.4	11.3	14.9	5.0	10.3

0208455155 PAMLICO RIVER AT CHANNEL LIGHT 3 NEAR SPRING CREEK, NC—Continued

**TEMPERATURE, WATER, DEGREES CELSIUS, TOP
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	5.0	4.3	4.7	10.4	9.0	9.6	17.1	15.8	16.5	22.8	20.8	21.6
2	5.5	4.8	5.0	12.5	10.1	11.2	19.9	16.7	17.8	23.6	21.1	21.9
3	5.5	5.0	5.3	11.7	11.2	11.3	20.2	18.1	18.6	22.1	21.2	21.7
4	5.5	4.9	5.2	11.2	10.6	11.0	20.1	18.3	19.0	21.2	19.9	20.5
5	5.3	4.9	5.1	10.7	9.9	10.3	19.3	17.8	18.6	20.2	19.6	19.9
6	4.9	4.2	4.5	10.5	9.5	10.0	18.7	16.7	17.3	20.1	18.2	19.5
7	5.2	4.2	4.5	10.5	9.1	9.8	16.8	14.8	15.7	18.4	16.4	17.5
8	5.0	4.4	4.6	10.9	9.6	10.2	14.9	13.7	14.4	17.5	15.8	17.0
9	5.0	4.0	4.6	10.8	9.6	10.1	14.1	13.3	13.6	18.3	17.3	17.8
10	5.3	4.3	4.8	11.6	9.6	10.6	14.7	13.1	13.7	20.4	18.2	19.0
11	5.6	4.1	4.8	11.8	10.6	11.2	14.2	13.5	13.8	21.8	18.8	20.1
12	6.9	4.3	5.2	12.5	11.0	11.4	15.1	13.9	14.5	23.0	20.5	21.5
13	7.6	5.2	5.9	12.8	11.1	11.9	15.3	14.4	14.9	21.8	20.6	21.4
14	7.2	5.8	6.4	13.9	12.2	13.0	15.3	14.4	14.9	21.2	20.0	20.5
15	6.6	5.4	5.9	14.9	13.1	14.0	16.0	15.1	15.6	21.6	19.7	20.5
16	6.1	5.2	5.7	14.8	13.2	14.2	15.8	13.8	14.7	22.0	20.2	20.8
17	5.8	4.4	5.2	13.2	11.9	12.6	14.4	13.4	14.0	21.1	20.6	20.9
18	5.9	5.1	5.4	12.1	11.3	11.7	14.5	13.7	14.1	20.8	19.3	20.1
19	5.6	4.4	5.0	12.2	9.8	11.2	14.3	13.6	13.9	20.5	19.0	19.8
20	6.2	4.6	5.2	14.6	11.0	12.1	14.8	13.5	14.1	21.3	19.3	20.3
21	7.4	5.7	6.4	12.9	12.1	12.5	16.4	13.6	15.0	22.9	20.1	20.8
22	8.7	6.5	7.2	14.6	12.1	13.0	17.6	15.2	16.0	21.6	20.2	20.8
23	7.4	6.5	7.0	16.1	13.0	14.3	19.1	15.9	17.1	21.5	20.6	21.0
24	7.6	6.2	6.9	18.4	14.6	15.8	18.8	16.3	17.6	22.1	20.8	21.3
25	8.0	7.1	7.4	16.8	15.4	16.0	19.7	17.5	18.5	23.2	20.9	22.0
26	11.5	7.6	8.4	16.4	14.8	15.6	21.6	18.7	19.6	24.1	21.9	22.9
27	10.6	8.3	9.1	18.3	15.8	16.7	---	---	---	25.2	22.6	23.5
28	10.5	9.0	9.4	18.3	16.9	17.3	21.4	20.0	20.7	26.4	22.7	23.9
29	---	---	---	17.3	15.8	16.6	21.7	20.2	20.9	26.4	23.9	24.7
30	---	---	---	17.2	14.9	15.8	22.8	20.5	21.5	25.4	24.0	24.7
31	---	---	---	17.1	14.8	15.8	---	---	---	25.4	23.7	24.8
Month	11.5	4.0	5.9	18.4	9.0	12.8	---	---	---	26.4	15.8	21.1

0208455155 PAMLICO RIVER AT CHANNEL LIGHT 3 NEAR SPRING CREEK, NC—Continued

**TEMPERATURE, WATER, DEGREES CELSIUS, TOP
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	26.3	24.4	25.0	28.0	27.2	27.6	29.2	27.6	28.3	28.6	27.6	28.0
2	25.2	24.2	24.7	27.8	26.9	27.3	29.7	27.9	28.7	27.9	27.1	27.4
3	24.8	24.1	24.5	27.6	26.3	26.8	29.1	28.2	28.7	27.8	26.7	27.0
4	25.6	23.7	24.4	27.4	26.0	26.7	31.2	28.1	29.0	27.6	26.4	26.8
5	25.7	24.2	24.9	27.6	26.2	26.8	30.8	28.4	29.2	28.2	26.8	27.3
6	26.3	24.4	25.2	28.7	26.4	27.3	29.9	28.7	29.2	27.9	26.7	27.2
7	27.0	25.0	25.9	28.7	27.2	27.7	31.6	29.2	29.9	27.8	26.9	27.3
8	28.4	25.2	26.5	29.1	27.3	28.0	31.7	29.5	30.4	27.7	26.5	27.1
9	28.0	25.8	26.8	29.1	27.6	28.3	31.9	30.1	30.8	27.3	26.7	27.0
10	27.4	26.7	26.9	29.2	28.0	28.5	31.4	29.8	30.4	28.4	26.0	26.8
11	27.9	26.1	26.6	28.9	27.3	28.0	30.1	29.1	29.6	27.7	26.1	27.0
12	27.8	26.0	26.5	30.4	27.3	28.1	30.0	28.3	29.0	27.2	26.5	26.9
13	26.5	25.7	26.1	29.2	27.8	28.3	30.1	28.2	28.9	26.9	26.2	26.5
14	25.8	24.5	25.3	30.1	27.9	28.6	30.7	28.4	29.0	27.1	26.2	26.6
15	24.9	23.9	24.3	28.9	27.6	28.3	29.6	28.4	29.0	26.7	26.0	26.4
16	24.8	23.6	24.0	29.2	27.7	28.4	29.8	28.2	29.0	26.1	24.8	25.4
17	26.8	23.4	24.6	30.5	27.9	28.7	29.0	28.3	28.8	24.8	23.9	24.4
18	27.9	24.3	25.5	29.6	28.0	28.8	29.3	28.2	28.6	24.1	23.4	23.7
19	27.5	25.4	26.3	30.7	28.4	29.4	28.8	27.9	28.3	23.9	23.3	23.7
20	27.3	26.1	26.4	30.4	28.8	29.4	29.8	27.5	28.5	24.0	23.6	23.7
21	28.0	25.8	26.7	28.8	27.4	28.1	31.9	27.9	29.0	24.2	23.4	23.8
22	28.8	26.0	26.9	27.5	26.4	26.8	29.5	28.1	28.7	25.4	23.8	24.2
23	27.5	26.1	26.7	27.6	25.8	26.4	29.4	28.3	28.8	26.3	24.1	25.0
24	27.1	25.6	26.6	27.5	25.7	26.8	30.5	28.3	28.9	25.8	24.7	25.4
25	27.8	26.2	26.8	27.8	26.2	26.9	31.2	28.8	29.3	26.8	24.7	25.4
26	29.0	26.6	27.3	29.6	26.6	27.6	30.1	29.0	29.3	26.5	24.9	25.7
27	29.4	27.1	27.9	29.8	27.4	28.2	30.4	28.5	29.1	26.6	25.5	25.9
28	29.1	27.0	28.0	28.6	27.2	28.0	29.4	28.4	28.9	26.5	25.4	26.0
29	29.0	26.9	27.8	29.1	27.8	28.4	29.9	28.1	28.8	26.1	24.4	25.1
30	28.4	27.3	27.7	28.5	27.7	28.2	29.2	28.0	28.6	24.4	23.7	24.0
31	---	---	---	28.3	27.4	27.8	28.9	27.8	28.3	---	---	---
Month	29.4	23.4	26.1	30.7	25.7	27.9	31.9	27.5	29.1	28.6	23.3	25.9

0208455155 PAMLICO RIVER AT CHANNEL LIGHT 3 NEAR SPRING CREEK, NC—Continued

**TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM
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	23.5	22.6	23.1	16.1	15.6	15.7	15.0	12.8	13.8	13.2	11.9	12.5
2	23.2	22.6	22.9	17.2	15.7	16.3	15.3	14.6	14.9	12.6	12.3	12.5
3	23.2	22.8	23.0	16.3	14.9	15.5	14.6	14.0	14.3	12.5	12.3	12.4
4	23.1	22.8	23.0	15.5	14.0	14.7	14.2	13.0	13.5	12.5	12.2	12.4
5	23.3	22.6	23.0	15.4	12.8	14.6	13.2	11.9	12.7	12.5	12.3	12.4
6	23.7	23.0	23.3	15.2	12.8	14.5	13.1	12.0	12.8	14.4	12.3	13.4
7	23.3	22.3	22.7	15.0	13.3	14.1	13.0	11.5	12.4	14.5	13.1	13.6
8	22.6	22.1	22.4	14.3	13.9	14.1	11.5	9.7	10.4	14.8	13.7	14.4
9	22.4	21.9	22.2	14.7	14.2	14.4	10.3	8.9	9.4	14.2	12.7	13.7
10	22.6	21.9	22.2	14.9	14.4	14.6	10.2	8.4	9.3	12.7	11.6	12.0
11	22.3	21.8	22.0	14.9	14.6	14.8	9.9	8.9	9.6	12.0	10.6	11.4
12	22.6	21.8	22.2	15.6	14.3	14.9	10.3	9.9	10.0	11.6	11.0	11.2
13	22.3	21.1	21.8	14.4	14.0	14.2	10.5	10.0	10.3	11.9	11.2	11.4
14	21.2	20.4	20.7	14.6	14.1	14.4	10.6	10.0	10.4	11.6	11.2	11.3
15	20.7	19.3	20.0	14.7	14.6	14.6	10.6	9.7	10.5	12.3	11.3	11.5
16	20.5	19.3	19.9	15.9	14.6	15.4	10.7	10.2	10.6	12.7	11.6	12.1
17	20.0	19.0	19.5	15.7	15.0	15.3	10.9	10.5	10.7	12.5	10.7	11.5
18	19.9	19.4	19.6	15.4	14.8	15.1	10.8	10.5	10.7	10.7	9.6	10.1
19	20.3	19.7	19.8	15.0	13.9	14.5	10.9	10.6	10.7	9.9	9.2	9.5
20	21.1	19.8	20.5	15.0	14.5	14.8	11.0	10.7	10.9	9.4	8.6	9.0
21	20.7	20.0	20.3	15.0	12.3	13.0	11.0	10.6	10.8	9.3	8.1	8.7
22	20.1	19.6	19.8	13.2	12.3	12.9	11.5	10.7	10.9	8.6	7.9	8.1
23	19.6	18.4	19.3	13.1	12.4	12.6	12.3	11.2	11.7	8.5	8.0	8.2
24	18.4	16.4	17.3	12.9	12.1	12.4	12.6	11.3	12.0	8.6	7.7	8.2
25	16.4	15.6	15.9	12.9	11.8	12.7	12.7	11.3	11.9	8.6	7.4	7.9
26	16.0	14.7	15.4	12.9	12.4	12.7	13.1	12.6	12.8	7.5	6.6	7.1
27	16.2	15.4	15.8	13.1	12.4	12.8	12.6	11.7	12.0	7.2	6.2	6.7
28	16.4	15.4	16.1	13.0	12.6	12.9	11.7	11.4	11.5	7.9	6.8	7.1
29	16.0	15.2	15.5	13.1	12.9	13.0	12.1	11.4	11.7	7.8	6.0	6.6
30	15.6	15.1	15.4	13.1	12.8	13.0	12.1	11.6	11.9	6.7	5.7	6.1
31	15.7	15.4	15.5	---	---	---	12.1	11.8	11.9	6.0	5.2	5.5
Month	23.7	14.7	20.0	17.2	11.8	14.2	15.3	8.4	11.5	14.8	5.2	10.3

0208455155 PAMLICO RIVER AT CHANNEL LIGHT 3 NEAR SPRING CREEK, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM
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	6.0	5.3	5.7	10.3	8.9	9.5	16.7	15.2	15.8	21.6	19.5	20.7
2	5.9	5.0	5.3	12.2	10.1	11.2	17.7	15.8	16.8	22.9	20.0	21.5
3	5.6	5.1	5.4	11.7	11.2	11.3	18.7	15.5	16.9	22.1	20.8	21.6
4	5.7	5.1	5.5	11.2	10.6	11.0	19.5	15.8	17.3	21.1	19.9	20.5
5	5.7	5.1	5.3	10.6	9.9	10.2	19.3	17.8	18.6	20.0	19.6	19.7
6	5.1	4.3	4.7	10.4	9.6	10	17.8	16.7	17.0	19.8	18.1	19.4
7	5.3	4.3	4.8	10.5	9.1	9.8	17.2	14.8	15.8	18.4	16.3	17.4
8	5.1	4.6	4.9	10.6	9.7	10.0	14.8	14.0	14.5	17.4	15.8	16.9
9	5.1	4.5	4.8	10.5	9.6	9.9	14.4	13.6	13.9	18.2	17.3	17.5
10	5.4	4.6	5.1	10.7	9.9	10.2	14.2	13.2	13.7	18.5	17.7	18.1
11	5.3	4.6	4.9	11.8	10.2	11.0	14.1	13.6	13.9	20.1	17.6	18.6
12	5.2	4.7	5.0	12.2	10.9	11.3	15.1	13.7	14.4	21.0	18.1	19.7
13	6.1	5.0	5.2	11.6	11.2	11.4	15.3	14.4	14.8	21.8	19.8	21.2
14	7.2	5.2	6.4	12.7	11.4	12.1	15.1	14.4	14.8	20.6	19.6	20.1
15	6.4	5.7	6.0	14.0	11.6	12.6	16.0	15.1	15.6	21.5	19.5	20.2
16	6.2	5.6	5.9	14.2	11.5	13.0	15.8	13.8	14.7	21.5	19.5	20.6
17	5.8	5.5	5.7	13.2	11.9	12.6	14.3	13.4	13.9	21.1	20.6	20.8
18	6.0	5.2	5.6	12.0	11.3	11.7	14.4	13.7	14.1	20.8	19.3	20.1
19	5.6	4.6	5.0	11.8	11.4	11.7	14.2	13.7	14.0	20.3	19.0	19.7
20	6.3	4.9	5.4	12.8	11.0	11.5	14.7	13.6	14.1	20.8	19.3	19.7
21	6.4	5.9	6.1	12.9	12.1	12.4	16.0	14.1	14.5	21.3	19.5	20.2
22	8.2	5.9	6.9	13.9	12.3	12.8	15.5	14.2	14.9	21.7	19.7	20.6
23	7.5	6.6	7.0	14.0	11.9	13.0	15.6	14.4	15.0	21.7	20.6	21.2
24	7.1	6.6	6.9	15.4	12.1	13.9	17.5	14.7	16.6	21.9	20.8	21.1
25	8.0	7.0	7.3	16.1	12.1	14.0	19.1	16.6	17.7	22.6	21.2	21.6
26	9.2	7.5	8.0	15.4	14.1	14.9	18.9	16.2	18.0	22.9	21.8	22.2
27	8.6	7.5	8.2	16.6	13.8	15.8	---	---	---	23.4	21.9	22.8
28	9.7	8.2	9.0	17.5	13.8	16.2	21.4	19.2	20.3	23.6	22.1	23.0
29	---	---	---	16.8	13.8	15.2	21.4	20.2	20.7	24.9	22.4	23.6
30	---	---	---	16.0	14.2	15.2	22.2	20.4	21.0	25.0	22.5	23.7
31	---	---	---	15.8	14.6	15.5	---	---	---	25.4	24.0	24.6
Month	9.7	4.3	5.9	17.5	8.9	12.3	---	---	---	25.4	15.8	20.6

0208455155 PAMLICO RIVER AT CHANNEL LIGHT 3 NEAR SPRING CREEK, NC—Continued

**TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM
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	25.2	23.9	24.7	28.0	27.2	27.6	29.2	27.6	28.3	28.5	27.6	27.9
2	25.0	24.1	24.6	27.6	26.9	27.2	29.7	28.0	28.5	27.9	27.0	27.4
3	24.8	24.1	24.5	27.5	26.3	26.6	29.0	28.2	28.6	27.2	26.6	26.9
4	25.0	23.5	24.2	26.9	26.1	26.5	28.8	27.8	28.3	27.1	26.4	26.7
5	25.4	24.3	24.8	27.4	26.1	26.6	29.2	27.8	28.4	28.2	26.8	27.1
6	25.7	24.4	25.0	27.8	26.4	26.8	29.5	28.0	28.6	27.6	26.8	27.1
7	26.0	24.6	25.2	27.7	26.6	27.1	29.6	28.6	29.2	27.8	26.8	27.3
8	26.3	25.2	25.6	28.3	26.9	27.5	30.1	28.9	29.6	27.6	26.5	27.1
9	27.9	25.8	26.5	28.4	26.7	27.6	31.2	30.0	30.5	27.3	26.7	27.0
10	27.4	26.6	26.9	28.4	26.8	27.6	30.8	29.7	30.2	27.0	26.0	26.6
11	27.2	25.9	26.4	28.8	27.3	27.9	30.1	29.1	29.6	27.6	26.1	26.9
12	26.8	26.0	26.3	28.2	27.3	27.7	29.8	28.5	29.0	27.2	26.9	27.0
13	26.4	25.7	26.1	28.6	27.6	28.1	29.3	28.4	28.7	26.9	26.2	26.7
14	25.8	24.5	25.3	28.6	28.0	28.2	30.0	28.4	28.8	27.0	26.1	26.4
15	24.5	23.8	24.1	28.5	27.4	27.9	29.6	28.5	29.0	26.6	26.0	26.3
16	24.2	23.6	23.8	28.9	27.5	28.2	29.3	28.3	28.9	26.1	24.8	25.4
17	24.8	23.4	24.1	29.1	27.8	28.2	29.0	28.1	28.7	24.8	23.9	24.4
18	25.0	24.1	24.4	29.5	28.2	28.7	29.1	28.1	28.5	24.1	23.4	23.8
19	26.6	24.2	25.4	29.7	28.2	28.8	28.7	27.5	28.0	23.8	23.2	23.6
20	26.8	24.8	26.3	29.4	28.0	28.9	29.1	27.4	28.0	23.9	23.5	23.7
21	27.1	24.9	26.1	28.6	27.4	28.1	29.4	27.8	28.3	23.8	23.4	23.6
22	26.9	25.7	26.3	27.7	26.4	26.9	29.4	28.1	28.6	23.9	23.7	23.8
23	26.9	26.1	26.4	26.6	25.8	26.2	29.2	28.3	28.7	25.5	23.7	24.3
24	27.1	25.5	26.4	26.6	25.9	26.4	29.4	28.5	28.8	25.6	24.2	24.7
25	27.0	26.3	26.5	27.0	26.4	26.7	29.6	28.6	29.0	25.4	24.4	24.8
26	27.0	26.1	26.5	27.6	26.7	26.9	29.4	28.8	29.1	26.2	24.8	25.4
27	27.6	26.2	26.8	28.5	27.1	27.6	29.3	28.6	28.8	25.9	24.6	25.3
28	28.8	26.4	27.4	28.3	26.5	27.3	29.1	28.6	28.8	26.1	24.9	25.6
29	28.8	26.9	27.7	28.5	26.7	27.6	29.4	28.2	28.7	26.0	24.4	25.1
30	28.1	27.3	27.6	28.2	27.4	27.9	29.1	28.1	28.6	24.4	23.7	24.0
31	---	---	---	28.3	27.4	27.8	28.8	27.8	28.2	---	---	---
Month	28.8	23.4	25.7	29.7	25.8	27.5	31.2	27.4	28.8	28.5	23.2	25.7

0208455155 PAMLICO RIVER AT CHANNEL LIGHT 3 NEAR SPRING CREEK, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP
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	9.2	7.5	8.3	9.0	6.1	7.9	8.8	7.8	8.2	10.9	8.0	9.3
2	9.9	7.8	8.7	9.2	7.0	8.5	9.4	8.4	8.8	9.6	8.7	9.2
3	10.7	8.5	9.6	9.1	7.5	8.4	9.2	8.3	8.8	11.1	9.3	9.9
4	10.9	9.1	9.7	9.2	7.5	8.4	9.6	8.8	9.2	12.6	9.1	10.6
5	9.9	8.0	8.8	8.9	7.7	8.4	9.8	8.7	9.5	13.7	10.5	11.8
6	8.2	7.1	7.7	9.3	8.2	8.6	10.3	9.2	9.7	12.0	7.6	10.3
7	7.8	7.0	7.4	8.9	7.9	8.4	11.6	8.4	10.3	12.8	7.1	10.8
8	7.4	6.9	7.1	8.7	7.2	8.0	10.7	10.1	10.4	9.5	7.1	8.3
9	7.8	6.8	7.3	8.6	7.2	7.9	12.0	10.0	10.8	9.7	8.6	9.1
10	8.1	6.8	7.4	8.3	5.9	7.6	12.5	9.7	11.3	9.7	8.7	9.2
11	8.0	5.9	7.2	8.6	2.8	7.2	13.7	9.8	11.8	11.5	9.3	10
12	8.3	6.1	7.5	8.7	4.7	7.2	13.5	10.6	12.2	15.1	10.1	11.7
13	8.2	5.8	6.8	6.8	5.7	6.3	13.2	10.3	11.8	14.0	12.7	13.3
14	7.7	5.9	6.8	7.9	4.0	6.2	15.0	10.1	13.1	13.6	11.4	12.5
15	8.5	5.8	7.4	7.6	2.6	6.3	17.6	12.3	15.3	12.6	10.6	11.5
16	8.6	6.6	7.6	7.6	5.3	6.2	17.1	13.6	15.1	11.2	9.7	10.1
17	7.8	6.4	7.1	7.0	5.5	6.2	16.1	12.1	14.0	10.7	9.4	10
18	7.3	5.1	6.7	7.6	5.7	6.4	17.3	13.8	15.6	11.2	9.9	10.5
19	7.6	5.6	6.5	8.6	6.3	7.3	17.0	14.3	15.7	11.6	10.2	10.9
20	6.9	5.5	6.3	7.8	6.8	7.3	15.0	11.7	13.2	11.2	9.9	10.4
21	6.4	5.7	6.1	8.4	6.8	7.3	14.4	11.5	13.0	12.1	10.3	10.9
22	6.1	4.4	5.5	10.5	6.9	8.7	12.9	7.8	11.1	12.0	10.3	11.0
23	7.3	5.7	6.5	9.2	8.1	8.7	12.4	7.8	9.8	12.1	10.2	11.1
24	7.5	6.6	7.0	9.8	7.9	9.0	12.4	10.7	11.3	12.9	11.4	12.0
25	8.9	6.6	7.6	---	---	---	11.0	6.9	9.2	12.7	11.4	12.2
26	8.9	7.3	8.1	---	---	---	9.4	7.2	8.2	12.5	11.3	11.8
27	8.9	6.9	8.2	---	---	---	9.2	8.5	8.7	12.8	11.2	12.0
28	8.3	7.2	7.9	---	---	---	11.3	8.5	9.5	13.7	10.4	12.0
29	8.7	7.3	8.0	---	---	---	12.7	10.0	11.6	12.6	11.2	11.8
30	8.3	6.9	7.7	9.4	6.3	8.0	15.3	11.6	12.7	12.6	11.2	11.8
31	8.8	5.3	7.3	---	---	---	15.3	10.3	12.4	12.5	11.3	11.9
Month	10.9	4.4	7.5	---	---	---	17.6	6.9	11.4	15.1	7.1	10.9

0208455155 PAMLICO RIVER AT CHANNEL LIGHT 3 NEAR SPRING CREEK, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP
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	12.2	11.1	11.7	12.9	11.5	12.0	---	---	---	8.8	7.2	8.2
2	12.8	9.8	11.6	12.1	10.0	11.0	---	---	---	8.6	7.4	7.9
3	12.5	11.3	12.0	11.4	9.5	10.7	---	---	---	7.8	6.9	7.3
4	13.0	11.5	12.2	11.2	10.2	10.6	---	---	---	7.5	6.7	6.9
5	12.7	11.8	12.2	11.8	10.0	10.7	---	---	---	7.6	6.7	7.1
6	13.2	11.9	12.5	11.6	9.9	10.5	---	---	---	8.0	6.8	7.4
7	13.4	12.1	12.7	11.4	10.3	10.8	---	---	---	8.9	7.2	8.1
8	13.2	11.3	12.6	11.9	10.2	11.0	---	---	---	9.2	7.6	8.4
9	13.6	12.3	12.8	12.1	10.6	11.2	---	---	---	9.0	8.0	8.6
10	13.8	12.4	13.1	12.3	10.6	11.3	---	---	---	9.5	8.2	8.8
11	13.9	11.9	13.3	12.2	9.3	11.5	9.9	8.2	9.2	9.1	7.8	8.5
12	14.3	11.1	13.3	12.1	10.3	11.3	9.8	8.8	9.4	9.6	8.3	9.0
13	16.7	11.8	13.8	11.9	8.5	10.8	9.8	9.0	9.4	8.9	8.2	8.6
14	13.2	11.7	12.2	11.7	9.8	11.2	10.1	9.0	9.6	8.7	8.0	8.4
15	12.6	10.6	11.8	11.2	10.2	10.9	9.2	8.7	8.9	9.1	8.4	8.7
16	12.8	11.5	12.1	10.6	8.9	9.9	9.0	8.5	8.7	9.2	7.5	8.5
17	13.0	11.8	12.4	9.6	8.7	9.2	9.3	8.3	8.8	8.6	7.4	8.1
18	12.5	11.9	12.2	10.5	8.9	9.7	9.2	8.4	8.8	8.6	7.9	8.1
19	12.4	11.2	11.8	11.7	9.4	10.4	9.4	8.6	8.9	9.4	8.0	8.6
20	12.2	11.4	11.8	---	---	---	9.2	8.7	9.0	10.1	8.8	9.4
21	12.7	10.8	11.7	---	---	---	9.9	8.9	9.2	9.5	8.1	9.0
22	13.6	10.6	12.0	---	---	---	10.1	9.2	9.6	9.0	8.0	8.5
23	11.8	10.8	11.3	---	---	---	10.5	9.4	10.0	8.6	8.0	8.3
24	12.6	10.8	11.5	---	---	---	9.9	8.5	9.4	8.5	6.8	7.8
25	12.6	10.4	11.5	---	---	---	9.8	8.8	9.2	7.8	5.4	6.8
26	13.6	9.9	11.5	---	---	---	9.6	8.4	8.8	7.6	5.9	6.7
27	13.8	10.6	12.1	---	---	---	---	---	---	7.8	6.3	6.9
28	13.4	11.4	12.5	---	---	---	8.9	7.7	8.2	8.2	6.2	7.0
29	---	---	---	---	---	---	8.9	7.9	8.3	7.7	5.6	7.2
30	---	---	---	---	---	---	8.8	7.9	8.4	7.6	6.3	6.8
31	---	---	---	---	---	---	---	---	---	8.2	5.5	6.9
Month	16.7	9.8	12.2	---	---	---	---	---	---	10.1	5.4	8.0

0208455155 PAMLICO RIVER AT CHANNEL LIGHT 3 NEAR SPRING CREEK, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP
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	7.8	6.8	7.4	7.9	6.5	7.2	8.3	6.5	7.5	---	---	---
2	7.7	5.0	6.5	8.8	6.1	7.3	9.8	6.7	7.6	---	---	---
3	7.1	6.0	6.7	---	---	---	7.6	6.6	7.2	---	---	---
4	8.2	6.5	7.3	---	---	---	12.0	6.2	7.8	---	---	---
5	8.1	6.6	7.3	---	---	---	8.8	6.9	7.6	---	---	---
6	8.0	6.8	7.4	---	---	---	9.9	5.9	7.4	6.9	4.9	6.0
7	8.2	6.7	7.5	---	---	---	8.3	6.7	7.5	6.9	5.2	6.0
8	8.3	6.2	7.3	---	---	---	11.2	6.1	7.9	7.4	4.8	6.0
9	7.8	6.3	7.2	---	---	---	8.1	6.3	7.1	---	---	---
10	7.7	6.5	7.1	---	---	---	10.1	5.6	6.9	---	---	---
11	8.0	6.5	7.2	---	---	---	6.8	4.5	6.2	---	---	---
12	8.0	6.5	7.2	9.0	5.6	7.1	8.2	5.5	6.6	---	---	---
13	7.5	6.5	7.0	8.9	6.9	7.8	8.0	5.7	6.8	6.4	5.2	5.9
14	7.4	6.6	7.0	9.9	7.3	8.4	8.8	5.4	6.6	7.3	5.9	6.7
15	8.3	6.7	7.3	9.2	7.6	8.3	7.4	5.8	6.5	7.4	6.1	6.7
16	9.5	6.4	7.4	8.6	6.7	7.8	7.1	5.2	6.0	7.8	6.2	6.9
17	9.3	7.1	7.9	9.6	6.2	7.6	6.2	4.7	5.6	7.7	6.4	7.0
18	9.5	7.1	8.2	7.6	5.6	6.8	6.8	4.7	5.8	7.8	6.6	7.2
19	9.0	7.3	8.0	8.3	6.4	7.3	6.4	5.0	5.7	7.9	6.5	7.1
20	7.9	6.6	7.4	7.7	6.2	6.9	6.3	4.7	5.5	7.6	6.6	7.1
21	8.8	6.4	7.6	7.0	5.7	6.3	7.8	4.5	6.0	---	---	---
22	8.8	7.5	8.1	7.2	6.4	6.7	7.8	5.6	6.4	---	---	---
23	9.6	7.2	8.1	8.6	6.3	7.2	7.4	6.2	6.7	---	---	---
24	8.0	7.1	7.6	9.1	7.1	8.1	7.8	6.3	6.9	---	---	---
25	8.0	6.4	7.3	8.2	7.1	7.7	8.4	6.4	7.1	---	---	---
26	9.5	7.0	7.9	8.7	6.5	7.4	7.7	6.2	6.9	---	---	---
27	9.1	7.0	7.8	8.4	6.5	7.3	10.4	5.5	7.3	8.3	7.0	7.6
28	8.0	6.3	7.3	7.7	5.7	6.7	7.7	6.2	7.0	8.2	6.7	7.6
29	7.7	5.0	6.4	8.9	6.5	7.3	7.6	5.8	6.7	8.2	7.3	7.7
30	8.2	6.1	6.9	7.4	6.7	7.1	8.4	4.9	6.4	8.0	6.9	7.4
31	---	---	---	8.1	6.0	7.0	7.8	5.1	6.4	---	---	---
Month	9.6	5.0	7.4	---	---	---	12.0	4.5	6.8	---	---	---

0208455155 PAMLICO RIVER AT CHANNEL LIGHT 3 NEAR SPRING CREEK, NC—Continued

**DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM
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	8.7	0.5	6.2	8.7	6.5	7.1	8.3	5.8	7.4	10.1	7.8	9.3
2	8.2	4.8	7.1	8.9	5.7	7.3	9.8	7.9	8.6	10.1	9.1	9.6
3	9.0	4.8	7.5	9.1	5.8	8.6	9.4	7.2	8.3	9.9	6.5	8.4
4	8.7	1.4	6.3	9.3	6.7	8.1	9.8	7.5	9.3	11.0	6.4	8.7
5	8.0	1.8	6.3	9.4	6.1	7.7	10.1	8.7	9.3	8.9	6.4	7.1
6	7.7	3.1	6.4	9.6	6.0	7.1	9.8	8.1	9.0	10.5	5.9	8.3
7	7.3	6.4	6.9	9.5	5.5	7.6	11.4	8.1	9.3	10.9	6.2	7.4
8	7.2	6.6	6.9	9.3	6.8	8.3	11.2	10.4	10.9	9.8	7.2	8.4
9	7.5	6.7	7.0	9.2	7.0	8.5	11.5	9.6	10.8	10.0	6.9	9.3
10	7.8	6.6	7.1	11.4	6.6	8.2	11.9	9.5	11.0	9.9	8.6	9.4
11	7.9	6.8	7.3	8.8	6.6	7.7	11.8	8.8	9.8	9.9	8.3	9.0
12	8.6	6.1	7.5	8.7	6.7	7.9	8.9	8.0	8.5	9.8	8.2	9.0
13	7.4	4.5	6.7	8.5	7.8	8.3	8.7	7.6	8.1	9.9	4.6	8.2
14	7.9	6.5	7.1	8.4	7.4	7.8	8.2	7.2	7.8	8.3	4.7	6.4
15	8.3	6.4	7.3	8.3	6.4	7.1	8.8	6.3	7.1	8.9	5.1	6.3
16	8.1	4.4	6.4	8.6	6.8	7.8	8.7	5.7	6.4	10.1	4.3	7.3
17	7.6	5.4	7.0	9.2	7.7	8.4	6.6	5.3	5.8	11.1	4.6	10.0
18	7.2	6.5	6.9	9.3	8.2	8.8	9.4	4.8	5.8	11.5	9.4	10.7
19	7.3	4.6	6.0	9.3	8.1	9.0	5.8	4.2	5.0	11.7	10.1	11.1
20	7.4	6.0	6.8	9.2	6.1	7.4	8.2	3.3	4.6	11.7	10.2	10.9
21	7.4	6.1	7.0	9.6	5.7	8.6	13.0	4.0	7.1	11.5	9.8	10.6
22	7.2	6.2	6.8	9.6	8.6	9.2	8.6	3.4	6.2	11.6	10.5	11.1
23	7.8	6.5	7.2	9.7	8.9	9.4	9.2	2.4	6.4	12.2	10.6	11.2
24	8.1	7.3	7.7	10.0	7.8	9.2	12.1	1.3	7.4	12.7	7.0	11.4
25	8.9	7.6	8.2	9.6	7.3	8.4	9.8	1.0	5.3	12.9	7.4	11.9
26	8.9	6.3	8.0	8.5	7.2	7.8	9.6	7.3	8.4	12.6	10.6	11.7
27	8.5	6.3	7.2	8.3	6.8	7.5	9.4	8.8	9.0	12.8	10.6	12.0
28	8.4	6.3	7.8	9.0	6.7	7.3	9.3	8.6	8.9	12.9	10.8	12.1
29	9.0	8.0	8.5	7.4	6.4	6.8	11.8	5.5	8.3	12.8	11.0	11.9
30	9.1	7.9	8.5	7.2	6.0	6.6	11.2	4.9	7.9	12.9	10.4	11.7
31	9.0	5.8	8.2	---	---	---	9.6	4.6	6.8	12.6	10.7	12.1
Month	9.1	0.5	7.2	11.4	5.5	8.0	13.0	1.0	7.9	12.9	4.3	9.8

0208455155 PAMLICO RIVER AT CHANNEL LIGHT 3 NEAR SPRING CREEK, NC—Continued

**DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM
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	12.1	10.1	11.4	11.6	10.0	10.8	---	---	---	8.5	4.6	7.1
2	12.8	9.8	11.6	11.4	8.5	10.3	---	---	---	8.3	4.7	7.6
3	12.8	11.7	12.2	11.0	7.6	9.5	---	---	---	8.1	4.0	7.4
4	13.1	11.6	12.5	10.8	9.3	9.9	---	---	---	7.9	7.4	7.6
5	13.2	12.2	12.7	11.0	9.0	9.7	---	---	---	7.8	6.4	7.4
6	13.1	11.7	12.6	11.1	7.9	9.3	---	---	---	8.0	6.2	7.5
7	13.9	11.6	13.0	11.0	9.2	9.9	---	---	---	8.2	7.4	7.9
8	13.5	12.9	13.2	11.2	8.4	9.8	---	---	---	8.4	7.9	8.1
9	13.7	12.6	13.2	10.4	8.5	9.5	---	---	---	8.3	7.3	8.0
10	14.2	12.4	13.5	10.0	7.1	8.7	---	---	---	8.3	6.5	7.6
11	14.1	11.5	13.3	11.2	7.0	9.1	9.4	5.8	8.5	8.3	5.9	7.2
12	14.1	11.7	12.7	11.6	7.2	9.2	9.6	8.5	9.0	7.9	5.0	6.6
13	13.6	11.6	12.9	10.4	7.3	8.8	9.6	8.6	9.1	8.7	5.2	7.6
14	13.2	9.7	12.2	9.7	6.8	8.4	9.2	7.1	8.5	8.1	5.5	7.1
15	12.7	11.7	12.2	10.4	5.9	7.9	8.9	8.4	8.6	8.8	4.0	7.1
16	13.1	12.1	12.6	9.7	4.8	6.7	8.8	8.3	8.4	8.5	4.6	7.7
17	12.9	11.1	11.9	9.4	7.5	8.4	9.1	7.8	8.4	7.3	5.4	6.5
18	12.9	11.1	12.4	9.5	7.1	8.7	8.8	7.0	8.2	7.6	6.2	6.8
19	12.4	11.7	12.1	10.0	6.0	7.4	8.9	7.3	8.4	7.6	5.4	6.6
20	12.6	11.6	12.2	---	---	---	9.1	8.6	8.9	8.9	5.6	7.1
21	12.2	11.3	11.9	---	---	---	9.0	5.6	8.3	9.5	6.0	7.2
22	13.6	11.3	12.2	---	---	---	8.8	6.7	7.6	9.6	5.9	8.0
23	12.5	11.2	11.7	---	---	---	8.1	5.5	7.2	8.8	7.3	8.1
24	12.0	9.9	11.2	---	---	---	9.3	6.8	8.2	8.3	7.0	7.7
25	11.6	8.9	10.2	---	---	---	9.2	6.6	8.4	8.0	6.4	7.3
26	13.6	9.0	11.2	---	---	---	9.0	5.8	7.8	7.5	5.8	7.0
27	13.2	9.0	11.2	---	---	---	---	---	---	7.0	3.7	6.3
28	13.3	9.7	11.6	---	---	---	8.8	6.0	7.7	7.0	3.8	6.2
29	---	---	---	---	---	---	8.4	7.3	8.1	6.6	3.6	5.5
30	---	---	---	---	---	---	8.5	7.5	8.1	6.4	3.5	4.9
31	---	---	---	---	---	---	---	---	---	8.3	5.2	6.7
Month	14.2	8.9	12.2	---	---	---	---	---	---	9.6	3.5	7.1

0208455155 PAMLICO RIVER AT CHANNEL LIGHT 3 NEAR SPRING CREEK, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM
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	7.7	3.4	6.7	---	---	---	7.9	5.8	7.0	7.5	5.2	6.4
2	6.9	3.4	5.6	---	---	---	8.0	3.7	6.4	7.5	6.2	6.8
3	7.1	6.0	6.7	---	---	---	7.2	2.7	5.8	7.3	5.7	6.4
4	8.0	6.4	7.0	7.3	4.2	6.6	7.2	0.2	5.5	7.5	4.1	6.4
5	8.1	6.4	7.3	7.5	4.0	6.3	7.0	0.1	4.1	6.9	3.4	5.5
6	8.0	4.6	7.2	7.4	3.6	6.3	7.8	0.1	3.7	6.7	2.2	4.2
7	6.7	2.9	5.3	7.3	3.6	5.5	7.3	1.4	5.2	6.3	2.4	4.6
8	---	---	---	8.2	1.3	5.8	7.2	3.0	5.6	6.0	2.8	4.3
9	---	---	---	7.6	1.6	5.9	7.7	4.2	6.8	7.3	3.0	4.6
10	---	---	---	6.9	1.6	4.2	8.0	3.5	6.3	5.5	2.8	4.4
11	---	---	---	7.0	4.3	6.1	6.9	5.4	6.4	5.9	2.6	4.2
12	---	---	---	7.4	3.5	5.6	8.0	5.6	6.6	7.0	1.4	4.7
13	---	---	---	7.3	3.1	5.5	7.7	5.2	6.5	6.5	3.8	5.4
14	---	---	---	8.4	6.3	7.2	8.0	4.4	5.9	7.3	5.5	6.3
15	7.8	6.4	7.0	7.5	0.2	5.3	7.4	4.1	6.1	7.5	6.0	6.7
16	7.8	5.4	6.8	7.5	0.2	5.2	6.8	4.7	5.8	7.8	6.3	7.0
17	8.4	5.3	7.4	7.6	1.1	5.2	5.5	3.4	5.1	7.7	6.3	7.1
18	8.4	3.4	6.4	7.0	3.2	6.1	6.4	4.9	5.5	7.9	6.4	7.2
19	7.7	3.4	6.3	7.1	1.0	6.1	6.5	5.0	5.5	---	---	---
20	8.0	2.0	7.2	6.7	0.7	4.4	6.6	5.1	5.7	---	---	---
21	8.2	2.4	6.2	7.1	0.8	4.6	7.0	4.8	5.8	---	---	---
22	8.0	6.4	7.5	7.3	6.4	6.8	6.8	5.1	5.8	7.1	4.9	6.2
23	8.0	4.1	6.3	7.8	5.5	6.6	6.6	5.5	6.0	8.5	4.4	6.3
24	7.2	1.2	5.4	7.5	2.9	5.9	6.7	4.0	6.0	8.5	4.6	6.7
25	6.8	3.6	5.6	7.4	0.4	4.8	6.7	3.9	5.6	8.2	5.8	7.1
26	6.8	1.8	4.4	7.9	1.6	4.0	6.2	3.7	4.9	8.3	3.6	6.9
27	6.8	1.3	3.7	7.4	2.2	5.7	6.6	0.5	4.2	7.2	1.6	4.9
28	6.9	1.2	4.6	7.1	0.1	3.9	6.7	1.0	4.2	7.9	2.1	6.1
29	7.6	4.2	5.6	7.7	0.2	3.4	7.7	3.0	6.1	8.2	4.4	7.3
30	7.9	5.4	6.2	7.2	1.9	4.1	8.0	6.1	6.8	7.8	6.1	7.2
31	---	---	---	8.0	1.4	5.7	8.1	5.5	6.7	---	---	---
Month	---	---	---	---	---	---	8.1	0.1	5.7	---	---	---

0208455155 PAMLICO RIVER AT CHANNEL LIGHT 3 NEAR SPRING CREEK, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP
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	117	93	104	100	67	87	92	81	86	107	80	93
2	127	97	109	103	78	94	99	88	91	95	86	91
3	136	106	121	98	79	90	95	85	91	110	92	98
4	139	114	122	96	78	88	97	89	93	124	89	104
5	127	100	111	91	78	86	95	87	92	138	104	117
6	106	90	98	96	84	88	100	86	93	123	77	105
7	98	87	93	92	82	87	114	82	100	130	73	110
8	93	86	89	92	76	85	100	94	97	98	73	86
9	98	85	91	92	77	84	107	91	97	98	87	92
10	102	84	93	90	63	82	112	87	100	93	85	89
11	100	74	89	94	30	78	126	86	105	109	88	94
12	104	76	93	95	51	78	119	95	109	143	93	110
13	102	72	84	72	60	67	122	92	107	133	118	126
14	93	71	82	85	42	66	138	94	121	132	107	119
15	101	69	88	82	28	68	169	115	144	124	101	111
16	102	77	89	83	58	67	163	129	143	110	95	99
17	92	76	84	76	60	67	154	113	133	101	90	95
18	87	61	80	81	61	68	169	131	150	104	92	97
19	92	67	78	88	65	75	167	139	153	106	93	99
20	84	66	76	77	66	72	146	112	127	101	90	95
21	77	68	73	83	68	73	138	108	123	107	93	97
22	73	52	65	107	69	88	124	78	107	106	92	97
23	86	68	76	93	80	86	124	78	97	109	91	99
24	84	74	79	97	78	87	124	106	113	115	100	105
25	96	73	84	---	---	---	109	69	91	112	100	107
26	96	79	87	---	---	---	95	73	83	107	97	102
27	95	73	87	---	---	---	92	84	87	110	95	103
28	90	80	87	---	---	---	112	84	93	121	90	105
29	94	80	88	---	---	---	126	98	114	110	95	100
30	90	75	84	95	63	81	151	111	122	106	93	98
31	98	57	80	---	---	---	146	101	120	104	93	99
Month	139	52	89	---	---	---	169	69	109	143	73	101

0208455155 PAMLICO RIVER AT CHANNEL LIGHT 3 NEAR SPRING CREEK, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP
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	99	91	95	120	105	111	---	---	---	105	84	97
2	105	81	95	114	97	106	---	---	---	102	87	95
3	104	93	99	109	91	102	---	---	---	93	82	87
4	108	94	101	107	96	101	---	---	---	87	78	81
5	105	97	101	111	94	100	---	---	---	88	77	82
6	108	97	101	109	92	97	---	---	---	90	78	85
7	110	98	103	107	94	100	---	---	---	98	80	89
8	109	92	102	113	94	103	---	---	---	101	82	91
9	111	101	104	114	98	105	---	---	---	100	88	95
10	113	100	106	117	99	106	---	---	---	110	91	100
11	115	98	108	117	88	110	100	83	94	108	88	98
12	120	90	109	117	98	108	102	90	96	115	99	107
13	140	98	115	116	82	105	103	92	98	106	96	102
14	112	99	103	117	95	110	104	94	99	103	93	98
15	106	90	99	113	103	109	96	92	94	109	97	102
16	108	96	101	108	89	100	94	87	89	111	89	100
17	108	97	102	94	85	90	94	85	89	102	88	97
18	105	98	101	101	85	92	94	85	90	100	92	95
19	102	93	97	112	89	98	96	88	91	110	91	99
20	101	92	98	---	---	---	95	88	91	120	101	110
21	109	92	99	---	---	---	105	90	95	114	95	107
22	121	90	104	---	---	---	107	95	101	108	94	100
23	102	94	97	---	---	---	116	100	107	103	94	98
24	109	92	99	---	---	---	109	90	101	101	81	93
25	109	90	100	---	---	---	110	95	101	96	64	83
26	124	88	104	---	---	---	111	93	100	96	73	83
27	127	96	111	---	---	---	---	---	---	99	78	86
28	125	104	115	---	---	---	105	89	95	107	76	88
29	---	---	---	---	---	---	105	91	97	99	72	92
30	---	---	---	---	---	---	106	92	99	98	79	87
31	---	---	---	---	---	---	---	---	---	106	69	89
Month	140	81	102	---	---	---	---	---	---	120	64	94

0208455155 PAMLICO RIVER AT CHANNEL LIGHT 3 NEAR SPRING CREEK, NC—Continued

**DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP
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	102	87	94	107	87	97	117	89	104	---	---	---
2	98	63	83	119	82	98	139	93	107	---	---	---
3	91	76	85	---	---	---	107	91	100	---	---	---
4	106	82	92	---	---	---	172	86	110	---	---	---
5	104	84	94	---	---	---	125	96	107	---	---	---
6	105	86	95	---	---	---	141	82	105	96	67	82
7	109	86	98	---	---	---	120	95	107	96	71	83
8	113	80	96	---	---	---	164	86	113	103	65	82
9	106	82	95	---	---	---	117	90	102	---	---	---
10	103	86	94	---	---	---	147	80	99	---	---	---
11	108	85	96	---	---	---	97	64	88	---	---	---
12	108	85	94	126	76	98	118	78	93	---	---	---
13	99	85	92	123	94	107	114	80	95	87	72	80
14	96	85	90	140	100	116	127	75	93	100	80	91
15	106	85	93	127	103	113	105	81	92	101	82	90
16	120	80	94	119	91	107	101	73	85	105	83	93
17	120	89	101	135	85	105	87	66	78	102	84	92
18	127	90	107	106	77	94	96	65	81	102	85	93
19	121	94	105	119	88	102	90	69	80	103	84	92
20	104	87	97	109	86	97	89	65	76	98	85	91
21	118	83	100	96	78	86	114	63	85	---	---	---
22	119	98	108	97	86	90	111	78	90	---	---	---
23	129	95	108	117	84	97	105	87	95	---	---	---
24	105	95	101	122	95	108	112	88	98	---	---	---
25	108	85	97	111	96	103	123	90	101	---	---	---
26	131	93	106	122	87	101	110	87	97	---	---	---
27	123	93	105	119	88	100	148	77	102	113	94	103
28	111	85	98	107	77	92	110	87	99	111	89	102
29	106	67	87	124	89	101	108	81	95	110	97	102
30	112	82	93	102	92	98	119	68	90	105	90	97
31	---	---	---	112	82	96	110	71	89	---	---	---
Month	131	63	97	---	---	---	172	63	95	---	---	---

0208455155 PAMLICO RIVER AT CHANNEL LIGHT 3 NEAR SPRING CREEK, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM
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	110	6	78	96	72	79	89	61	78	100	78	93
2	103	61	89	99	63	81	103	85	91	101	90	96
3	113	61	95	98	65	92	97	76	88	98	65	84
4	109	18	79	97	73	86	99	79	95	109	64	86
5	101	23	79	96	67	82	98	89	93	88	64	71
6	98	40	82	99	65	76	97	82	90	108	59	84
7	92	80	87	98	59	81	110	82	92	112	63	76
8	91	82	86	98	72	88	105	98	102	100	74	86
9	94	83	88	98	76	91	105	92	100	100	71	94
10	98	82	89	123	72	88	110	91	102	95	84	91
11	99	84	91	95	72	84	109	84	93	93	81	87
12	107	76	94	95	73	85	86	78	82	94	80	87
13	92	57	83	90	83	88	84	74	78	95	45	79
14	96	79	86	89	80	84	79	71	75	80	46	62
15	99	77	87	89	69	77	83	62	69	88	50	62
16	95	53	77	93	74	86	83	56	63	99	43	72
17	90	65	83	100	84	91	65	53	57	106	46	96
18	85	77	82	99	88	95	92	48	58	106	89	99
19	88	55	71	99	86	95	57	42	49	107	94	102
20	90	72	83	97	66	79	80	33	46	106	93	99
21	89	74	85	95	62	87	126	40	70	103	90	96
22	86	74	81	97	88	93	84	34	61	104	95	99
23	92	77	85	96	90	94	92	24	64	110	95	100
24	91	83	87	99	80	91	121	13	74	112	64	102
25	98	84	90	96	76	86	98	10	53	114	68	106
26	96	70	88	85	74	80	97	74	85	111	93	102
27	93	71	79	85	71	77	94	87	90	111	93	104
28	94	71	87	92	70	76	91	85	88	113	95	105
29	98	88	93	76	66	71	115	55	82	112	94	102
30	99	86	93	75	63	69	110	49	78	109	90	99
31	98	64	89	---	---	---	95	46	67	105	91	101
Month	113	6	85	123	59	84	126	10	78	114	43	91

0208455155 PAMLICO RIVER AT CHANNEL LIGHT 3 NEAR SPRING CREEK, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM
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	101	86	96	108	91	99	---	---	---	100	54	83
2	106	83	97	107	82	98	---	---	---	100	56	91
3	107	98	102	105	73	91	---	---	---	97	48	89
4	110	98	104	103	88	94	---	---	---	92	86	89
5	110	102	105	103	84	91	---	---	---	90	74	85
6	108	97	104	104	74	86	---	---	---	92	72	85
7	115	96	106	102	84	92	---	---	---	90	83	87
8	111	106	108	106	78	91	---	---	---	93	86	89
9	113	104	108	97	79	88	---	---	---	93	80	88
10	118	103	111	94	66	81	---	---	---	93	72	85
11	116	95	109	108	66	87	96	60	87	95	65	81
12	116	97	105	112	68	88	100	87	93	92	58	76
13	113	97	107	100	70	84	100	90	94	103	60	91
14	114	81	104	95	66	82	96	74	89	95	65	84
15	108	99	103	104	58	78	93	88	91	105	47	83
16	110	102	106	98	48	67	90	84	86	101	55	90
17	107	94	100	92	73	82	92	80	85	87	64	77
18	108	94	103	91	68	83	90	72	83	89	72	79
19	103	97	99	96	58	72	90	75	86	89	62	77
20	107	96	101	---	---	---	94	87	90	102	65	82
21	103	96	101	---	---	---	95	58	86	113	71	84
22	120	95	105	---	---	---	91	69	79	115	69	95
23	109	98	102	---	---	---	85	57	75	105	86	96
24	104	86	97	---	---	---	99	72	88	100	84	92
25	103	78	90	---	---	---	103	72	92	96	77	88
26	124	80	100	---	---	---	100	63	87	91	70	85
27	119	80	101	---	---	---	---	---	---	87	45	77
28	122	88	105	---	---	---	103	68	89	87	47	77
29	---	---	---	---	---	---	99	85	95	83	45	69
30	---	---	---	---	---	---	101	89	95	82	43	62
31	---	---	---	---	---	---	---	---	---	107	66	86
Month	124	78	103	---	---	---	---	---	---	115	43	84

0208455155 PAMLICO RIVER AT CHANNEL LIGHT 3 NEAR SPRING CREEK, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM
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	99	43	85	---	---	---	111	80	97	106	72	89
2	88	43	71	---	---	---	114	52	89	104	85	93
3	91	76	85	---	---	---	101	38	82	100	78	88
4	102	80	89	98	56	87	101	3	76	103	56	87
5	104	82	93	101	53	83	98	1	57	95	47	76
6	104	59	93	100	48	84	110	1	52	92	30	58
7	87	38	69	99	48	74	103	20	73	87	33	64
8	---	---	---	112	18	78	102	43	79	83	38	59
9	---	---	---	103	22	80	111	61	98	100	41	63
10	---	---	---	95	22	57	116	50	90	75	38	60
11	---	---	---	97	59	83	99	77	91	82	35	57
12	---	---	---	102	48	76	114	79	93	96	19	65
13	---	---	---	101	42	75	109	73	91	89	52	74
14	---	---	---	116	87	99	114	62	82	100	75	86
15	99	81	89	103	3	73	105	58	86	102	82	91
16	99	68	86	103	3	72	96	66	81	105	84	94
17	108	67	93	106	16	72	77	48	71	102	83	94
18	108	44	81	98	45	85	91	68	77	103	83	94
19	102	44	82	100	14	84	91	70	76	---	---	---
20	105	26	95	94	10	62	93	71	80	---	---	---
21	110	31	82	98	11	63	98	67	81	---	---	---
22	106	85	99	99	87	92	97	71	82	92	64	81
23	107	54	83	105	74	88	94	77	84	114	57	83
24	96	16	72	99	39	78	95	56	84	113	61	88
25	90	48	75	99	5	65	96	55	80	110	77	94
26	90	24	58	108	22	54	87	52	70	113	48	93
27	92	17	50	102	30	78	93	7	59	97	22	66
28	94	16	62	98	1	54	95	14	59	107	28	82
29	104	56	75	107	3	46	110	42	85	109	60	97
30	107	73	84	99	26	57	113	85	96	102	80	95
31	---	---	---	111	19	78	114	76	94	---	---	---
Month	---	---	---	---	---	---	116	1	80	---	---	---