

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 to 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. The monitor was removed on September 4, 2008 to prevent possible destruction during Tropical Storm Hanna. It was reinstalled on September 10, 2008. 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, 21.7 ppt, December 15, 2007; minimum recorded, 0.3 ppt, October 11, 1999.

SALINITY (BOTTOM): Maximum recorded, 24.9 ppt, September 29, 30, 2008; 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, 21.7, December 15; minimum recorded, 6.8 ppt, April 10.

SALINITY (BOTTOM): Maximum recorded, 24.9 ppt, September 29, 30; minimum recorded, 9.7 ppt, April 19.

pH (TOP): Maximum recorded, 8.6 standard units, March 13; minimum recorded, 7.3 standard units, September 21.

pH (BOTTOM): Maximum recorded, 8.6 standard units, July 1; minimum recorded, 6.8 standard units, May 2, 6, 7, 8, 26

WATER TEMPERATURE (TOP): Maximum recorded, 31.9°C, June 10; minimum recorded, 5.0°C, January 5.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 31.0°C, August 7; minimum recorded, 5.5°C, January 27.

DISSOLVED OXYGEN (TOP): Maximum recorded, 12.2 mg/L, January 7; minimum recorded, 0.1 mg/L, September 3.

DISSOLVED OXYGEN (BOTTOM): Maximum recorded, 12.0 mg/L, February 3; minimum recorded, 0.1 mg/L, September 3, 28, 29, 30.

DISSOLVED OXYGEN, PERCENT SATURATION (TOP): Maximum recorded, 149%, September 13; minimum recorded, 1%, September 3.

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DISSOLVED OXYGEN, PERCENT SATURATION (BOTTOM): Maximum recorded, 142%, May 6; minimum recorded, 1%, September 3, 28, 29, 30.

**SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	17.5	16.2	16.8	18.1	17.3	17.6	20.3	20.0	20.1	19.9	19.3	19.6
2	17.4	16.3	16.8	18.8	17.8	18.2	20.5	20.2	20.3	20.4	17.9	19.4
3	17.1	15.7	16.1	18.0	17.5	17.9	20.4	19.9	20.1	20.4	18.1	19.6
4	16.6	16.0	16.3	18.4	17.3	17.9	20.5	19.9	20.2	18.7	15.4	17.2
5	16.6	16.1	16.2	18.2	17.1	17.8	20.2	19.0	19.6	16.4	15.2	15.9
6	16.6	16.1	16.3	18.3	17.6	17.9	20.4	19.9	20.1	16.5	14.6	15.5
7	16.6	16.3	16.4	19.0	17.8	18.4	20.4	20.1	20.2	18.1	14.1	16.2
8	16.7	15.9	16.2	18.1	17.6	17.7	20.2	19.5	20.1	17.8	14.2	15.9
9	16.3	15.2	15.7	17.7	17.0	17.5	20.2	19.6	20.0	17.9	14.9	16.5
10	16.1	15.2	15.7	18.5	16.7	17.7	19.9	19.3	19.6	18.5	16.5	17.3
11	16.2	15.7	16.0	18.6	16.9	17.9	19.6	19.0	19.2	20.5	18.5	19.8
12	16.9	15.9	16.5	17.3	16.3	16.7	20.0	19.1	19.7	20.0	18.7	19.6
13	17.1	15.8	16.4	17.2	16.1	16.5	20.2	19.8	20.0	20.4	19.6	20.0
14	17.7	15.8	16.5	17.5	16.7	17.1	20.2	19.9	20.0	20.4	19.8	20.0
15	18.1	16.5	17.1	20.3	17.3	18.8	21.7	20.1	21.2	20.5	19.5	20.0
16	17.9	17.3	17.6	19.8	19.2	19.5	21.6	20.1	20.6	20.8	18.7	20.1
17	18.2	17.6	17.9	19.9	19.6	19.8	20.7	20.3	20.4	20.5	19.8	20.2
18	18.3	17.5	17.9	19.8	19.3	19.7	21.0	20.2	20.6	20.1	19.3	19.8
19	17.9	17.3	17.6	19.9	19.4	19.7	20.7	20.0	20.3	20.1	19.6	19.9
20	18.0	17.3	17.6	19.9	19.3	19.5	20.3	19.3	19.8	20.2	19.5	19.9
21	18.0	17.5	17.7	19.4	18.8	19.0	20.4	19.6	20.2	20.3	18.8	19.9
22	18.1	17.7	17.9	20.8	19.0	19.9	20.5	20.0	20.3	19.8	18.5	19.3
23	18.1	17.6	17.9	21.2	20.1	20.4	20.3	20.0	20.1	19.4	18.8	19.2
24	18.5	17.6	17.8	21.2	20.4	20.8	20.2	19.9	20.0	19.5	18.9	19.2
25	18.2	17.8	18.0	20.8	20.4	20.6	20.1	19.7	19.9	19.8	19.5	19.6
26	18.4	17.8	18.1	20.7	20.2	20.4	20.3	19.4	20.0	19.6	18.8	19.2
27	18.2	17.7	17.9	20.5	20.1	20.3	19.9	19.0	19.5	19.5	18.6	19.3
28	18.4	17.8	18.1	20.7	20.4	20.6	20.1	19.0	19.5	19.4	16.8	18.6
29	18.6	17.9	18.1	20.5	19.9	20.2	20.4	19.7	20.0	19.4	16.3	17.4
30	18.4	17.9	18.1	20.3	19.9	20.1	20.1	19.6	19.9	20.1	18.8	19.5
31	18.4	18.0	18.2	---	---	---	19.9	19.5	19.7	20.2	19.2	19.8
Month	18.6	15.2	17.1	21.2	16.1	18.9	21.7	19.0	20.0	20.8	14.1	18.8

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**SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	20.1	19.0	19.5	15.8	14.5	15.1	15.3	13.0	13.8	13.2	10.1	11.1
2	19.6	19.0	19.3	16.2	15.1	15.7	15.1	13.1	14.2	12.0	10.6	11.2
3	19.4	18.8	18.9	16.6	15.7	16.2	15.9	13.2	14.8	12.2	10.6	11.5
4	19.1	18.8	18.9	18.2	16.1	16.7	14.5	13.1	13.7	12.4	10.7	11.5
5	19.2	18.7	18.9	17.9	15.4	16.5	13.9	13.0	13.4	12.2	11.1	11.7
6	19.5	18.8	19.2	17.1	15.4	16.1	13.9	12.4	13.3	12.6	11.5	12.1
7	19.9	19.0	19.4	17.1	15.8	16.2	14.3	13.3	13.7	12.2	10.8	11.5
8	19.6	19.0	19.2	16.8	15.1	16.0	13.8	10.4	12.7	11.7	10.9	11.4
9	19.7	19.1	19.5	16.3	15.0	15.5	12.6	8.0	10.2	12.2	10.1	11.4
10	19.6	19.3	19.5	15.3	14.1	15.0	14.4	6.8	9.5	12.8	10.6	11.6
11	19.6	19.3	19.5	14.1	12.8	13.6	14.1	9.7	11.9	13.9	11.8	13.0
12	19.9	19.2	19.6	13.7	11.3	12.5	12.6	10.7	11.6	11.9	10.9	11.4
13	19.9	19.0	19.5	13.3	10.2	12.1	12.8	9.9	11.2	13.3	11.2	12.0
14	19.4	19.0	19.2	12.8	11.7	12.2	12.6	9.9	11.1	12.8	10.7	11.8
15	19.2	18.1	18.7	15.7	11.1	12.5	12.8	11.2	12.1	12.2	10.9	11.6
16	19.5	18.6	19.1	15.6	12.4	13.4	13.0	12.0	12.3	12.4	11.4	11.9
17	19.8	19.0	19.3	14.1	13.3	13.7	12.0	10.7	11.3	12.7	11.7	12.2
18	19.6	18.1	18.7	14.9	13.6	14.3	11.3	9.4	10.3	13.1	11.5	12.2
19	18.7	18.3	18.5	14.3	13.2	13.8	10.4	9.3	9.8	13.3	12.2	12.7
20	18.8	17.9	18.3	13.7	13.0	13.3	15.9	9.8	12.3	13.8	12.4	13.2
21	18.8	17.9	18.3	14.6	12.2	13.3	14.5	12.4	13.3	13.7	12.3	13.2
22	19.2	17.7	18.2	13.9	12.0	13.0	15.8	13.7	14.8	13.2	12.3	12.6
23	18.1	16.5	17.3	14.9	13.7	14.5	14.2	13.1	13.6	13.7	12.5	13.1
24	18.1	16.9	17.5	15.2	14.1	14.8	13.5	12.0	13.0	13.8	12.9	13.2
25	18.0	16.7	17.5	14.3	13.2	13.5	12.8	10.9	11.5	13.9	12.6	13.0
26	17.7	16.1	16.8	13.7	12.4	13.1	11.7	10.4	11.1	13.0	12.3	12.7
27	16.9	15.6	16.1	13.4	12.8	13.0	12.4	10.1	10.9	13.1	12.7	12.9
28	16.7	13.5	15.1	13.2	12.7	13.0	12.2	10.4	11.5	14.0	12.8	13.4
29	16.3	12.9	14.1	15.5	13.0	14.1	12.3	11.5	11.8	14.7	13.7	14.2
30	---	---	---	16.0	14.9	15.5	12.9	10.7	11.6	14.3	13.4	13.9
31	---	---	---	15.9	13.0	13.8	---	---	---	14.1	13.1	13.3
Month	20.1	12.9	18.4	18.2	10.2	14.3	15.9	6.8	12.2	14.7	10.1	12.3

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**SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	13.7	13.0	13.4	16.1	15.8	15.9	16.3	15.5	15.9	19.0	18.6	18.8
2	14.3	13.4	13.6	16.3	15.8	16.1	16.1	15.8	16.0	18.8	18.5	18.6
3	14.2	13.5	13.8	16.4	15.8	16.2	16.9	16.1	16.5	18.9	18.6	18.7
4	14.0	13.1	13.5	16.8	15.8	16.1	17.1	16.5	16.8	---	---	---
5	14.2	13.5	13.8	16.7	16.1	16.3	17.1	16.5	16.9	---	---	---
6	14.2	13.5	13.8	16.8	16.3	16.6	16.8	16.4	16.6	---	---	---
7	13.9	13.2	13.7	16.7	16.2	16.5	17.5	16.8	17.3	---	---	---
8	13.4	13.1	13.3	16.9	16.3	16.5	17.9	16.5	17.3	---	---	---
9	13.3	12.9	13.2	17.1	16.4	16.7	17.8	16.9	17.5	---	---	---
10	13.2	12.4	12.9	17.1	15.8	16.6	17.9	17.5	17.6	---	---	---
11	13.9	12.9	13.3	16.7	15.7	16.2	17.9	17.4	17.8	19.2	18.5	18.7
12	16.2	13.9	14.9	16.7	16.1	16.4	18.2	17.8	18.1	19.2	19.0	19.1
13	15.7	14.0	14.9	16.7	16.3	16.5	18.6	17.7	18.1	19.0	18.2	18.6
14	15.2	14.3	14.9	16.9	16.3	16.6	18.6	18.1	18.4	18.6	18.0	18.2
15	15.3	14.6	14.9	16.8	16.5	16.7	18.5	17.9	18.2	18.2	17.5	17.9
16	15.3	14.4	14.8	16.8	16.5	16.7	18.3	17.9	18.1	19.2	17.8	18.5
17	15.4	14.7	15.1	17.0	16.6	16.8	18.6	17.7	18.1	19.0	17.8	18.8
18	16.1	15.1	15.6	17.0	16.7	16.9	18.8	18.1	18.4	19.3	17.7	18.4
19	16.1	14.9	15.3	17.0	16.7	16.9	18.6	18.1	18.3	19.4	18.1	18.8
20	15.5	15.0	15.3	17.2	16.3	16.8	18.7	18.0	18.3	19.2	18.6	18.9
21	15.5	14.9	15.3	16.7	16.3	16.4	19.6	18.6	19.0	19.2	18.5	18.8
22	15.9	15.2	15.4	16.5	15.9	16.2	19.7	18.5	18.9	19.0	17.5	18.3
23	16.0	15.2	15.5	16.3	15.9	16.1	18.8	18.4	18.5	19.9	17.8	19.0
24	16.1	15.5	15.7	16.7	15.7	16.2	19.0	18.4	18.7	20.3	17.9	18.6
25	16.0	15.4	15.6	16.3	15.8	16.0	19.4	18.9	19.1	20.4	18.4	19.3
26	---	---	---	16.6	15.9	16.3	19.1	18.4	18.7	19.4	18.6	19.0
27	---	---	---	16.4	15.9	16.1	19.3	18.9	19.1	19.1	18.1	18.7
28	---	---	---	16.2	15.5	15.9	19.2	18.6	19.0	18.4	17.3	17.8
29	16.0	15.7	15.9	16.1	15.3	15.7	18.8	18.6	18.7	18.2	17.3	17.8
30	16.3	15.8	16.0	16.3	15.7	16.0	19.0	18.4	18.7	21.0	17.5	18.0
31	---	---	---	16.4	15.3	15.9	19.0	18.3	18.6	---	---	---
Month	---	---	---	17.2	15.3	16.3	19.7	15.5	18.0	---	---	---

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

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	17.5	16.5	16.9	18.9	18.1	18.5	20.3	20.0	20.2	21.8	19.9	20.5
2	17.5	16.3	17.0	18.8	17.8	18.2	20.5	20.3	20.4	21.1	18.7	20.0
3	17.6	16.2	17.0	18.7	17.5	18.0	20.5	20.0	20.2	21.5	18.8	21.0
4	17.7	16.1	16.9	19.3	18.3	18.7	20.5	19.9	20.3	21.4	20.1	20.8
5	17.5	16.2	16.8	19.0	17.9	18.5	21.0	20.0	20.5	21.6	19.3	21.0
6	17.2	16.3	16.6	20.3	17.7	18.3	20.5	20.0	20.2	22.3	20.0	21.7
7	18.6	16.6	17.5	19.0	17.9	18.5	20.5	20.1	20.3	22.8	22.0	22.3
8	19.6	16.3	17.6	18.2	17.6	17.8	20.8	20.1	20.4	23.0	21.7	22.6
9	21.9	16.1	19.2	18.8	17.5	18.0	20.9	20.2	20.6	23.1	21.7	22.3
10	21.8	15.9	18.6	18.7	17.5	18.1	21.3	20.4	20.7	23.0	21.4	22.4
11	21.5	15.9	16.6	19.4	17.7	18.4	22.5	20.4	21.6	22.3	20.8	21.5
12	18.1	16.3	17.1	20.6	18.7	19.6	22.8	20.1	21.3	21.9	20.2	21.3
13	18.6	16.8	17.6	22.0	18.3	20.8	23.2	20.0	21.7	21.9	20.4	20.8
14	19.8	17.4	18.4	22.5	18.9	22.0	23.2	20.2	22.4	20.8	20.3	20.5
15	19.7	18.1	19.2	22.7	19.1	20.6	23.0	20.5	21.7	20.8	20.1	20.5
16	19.1	17.7	18.3	19.7	19.2	19.5	21.8	20.1	20.7	21.0	20.5	20.9
17	18.3	17.9	18.1	20.3	19.7	20.0	21.1	20.3	20.5	20.9	19.8	20.4
18	18.7	17.8	18.1	20.3	19.6	19.8	21.3	20.8	21.0	20.3	19.6	20.0
19	19.2	17.3	18.0	21.0	19.7	20.0	21.3	20.4	20.9	20.1	19.7	20.0
20	19.2	17.3	17.7	21.4	19.5	20.0	21.7	20.3	21.0	20.3	19.6	20.0
21	19.1	17.9	18.4	20.0	19.1	19.6	21.2	20.5	21.0	20.3	19.6	20.0
22	19.3	17.8	18.4	22.9	19.2	20.5	21.4	21.0	21.2	20.4	19.6	19.9
23	18.9	17.9	18.2	21.7	20.1	20.6	21.3	20.7	21.0	20.7	19.4	19.9
24	19.4	17.7	18.2	21.2	20.4	20.8	21.3	20.6	20.9	20.4	19.4	19.9
25	18.8	17.9	18.3	20.8	20.5	20.6	21.3	20.6	20.9	20.0	19.5	19.7
26	18.7	18.0	18.4	21.4	20.3	20.8	21.1	20.1	20.7	20.0	19.6	19.8
27	19.2	17.7	18.1	20.7	20.1	20.3	21.4	20.2	20.8	20.5	19.3	19.6
28	18.5	17.9	18.2	20.7	20.4	20.6	21.5	20.9	21.3	21.4	19.5	20.2
29	18.6	17.9	18.2	20.6	20.1	20.3	21.4	20.6	20.9	21.9	19.0	20.6
30	18.4	18.1	18.3	20.3	20.0	20.1	21.7	20.8	21.1	21.7	19.0	19.8
31	18.7	18.2	18.4	---	---	---	21.7	20.4	20.8	20.2	19.4	19.9
Month	21.9	15.9	17.9	22.9	17.5	19.6	23.2	19.9	20.9	23.1	18.7	20.6

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

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	20.1	19.0	19.7	18.9	14.7	16.2	16.7	14.4	15.5	14.7	12.0	13.9
2	19.8	19.1	19.6	18.6	15.7	16.9	15.4	13.9	14.6	15.1	11.7	12.9
3	19.7	19.2	19.6	18.6	16.1	17.1	15.9	13.9	15.3	16.5	11.6	13.0
4	20.2	19.5	19.7	18.9	16.5	17.2	16.5	13.9	15.3	16.1	11.7	12.9
5	20.3	19.0	19.7	17.9	15.4	17.0	17.0	13.5	15.0	16.5	11.4	13.5
6	21.0	19.0	19.5	17.9	16.3	17.2	15.2	12.9	13.7	15.5	12.1	13.5
7	20.0	19.2	19.6	18.4	15.9	17.2	14.7	13.4	13.8	16.1	12.1	13.9
8	20.4	19.1	19.5	16.7	15.0	16.0	14.0	12.9	13.5	15.7	11.2	12.1
9	20.4	19.4	20.0	16.1	14.9	15.5	15.7	12.2	13.6	13.4	10	11.7
10	19.6	19.3	19.4	19.0	15.1	16.2	15.8	13.1	15.5	13.3	11.7	12.7
11	19.7	19.3	19.4	19.0	13.7	16.5	16.4	12.3	14.9	13.9	11.8	13.2
12	20.5	19.4	19.9	18.8	12.7	15.0	14.8	10.6	12.0	11.9	10.9	11.4
13	19.9	19.1	19.5	18.6	13.1	15.7	19.4	10.4	12.8	16.4	11.2	12.6
14	20.0	19.0	19.3	19.4	12.5	16.7	12.7	10	11.7	16.7	13.0	14.6
15	20.0	18.7	19.2	19.2	12.6	15.7	12.8	10.7	12.2	18.2	12.3	14.6
16	19.4	18.6	19.1	17.3	12.4	14.3	13.0	12.0	12.4	18.2	11.5	14.6
17	19.6	18.9	19.3	15.4	13.3	14.1	12.6	10.7	11.6	13.9	11.8	12.9
18	19.5	18.1	18.7	14.9	14.0	14.6	18.4	10.5	12.8	13.2	11.7	12.5
19	18.8	18.2	18.4	14.7	13.3	14.0	20.4	9.7	14.9	13.9	12.6	12.9
20	18.9	17.9	18.4	13.7	13.0	13.4	19.9	13.9	17.9	14.5	13.2	13.7
21	18.7	17.9	18.3	16.7	13.7	15.1	17.3	13.0	14.1	14.1	12.8	13.4
22	19.1	17.7	18.1	16.9	13.3	14.8	16.1	14.5	15.4	14.9	12.6	13.1
23	18.7	17.1	17.9	15.4	13.7	14.6	15.5	12.0	14.5	14.9	13.0	14.0
24	18.7	17.1	17.9	15.5	14.3	14.9	16.3	12.4	14.2	14.1	13.1	13.5
25	18.7	17.5	18.1	16.9	13.3	14.6	16.3	12.2	14.8	15.7	13.1	13.6
26	18.9	16.7	18.0	17.9	13.0	14.7	18.1	10.7	14.9	16.0	13.0	14.5
27	16.9	15.5	16.1	19.4	12.8	13.7	18.1	10.9	14.0	17.5	12.8	13.8
28	17.9	14.3	16.2	13.9	12.8	13.2	17.7	11.5	13.6	15.4	13.0	13.8
29	19.2	16.9	18.6	15.7	13.1	14.3	14.7	10.8	12.1	14.8	13.9	14.4
30	---	---	---	16.1	14.9	15.7	13.7	11.1	12.3	14.8	14.0	14.3
31	---	---	---	16.4	14.1	14.9	---	---	---	15.0	13.4	14.1
Month	21.0	14.3	18.9	19.4	12.4	15.4	20.4	9.7	14.0	18.2	10.0	13.4

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

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	14.7	13.1	13.8	16.3	15.9	16.0	19.8	15.7	16.8	19.2	18.7	19.0
2	16.9	13.5	14.3	---	---	---	19.7	16.1	17.4	19.2	18.8	19.0
3	16.7	13.9	15.1	---	---	---	18.5	16.3	16.8	19.1	18.9	19.0
4	15.1	13.3	13.9	18.9	15.8	16.2	20.3	16.7	18.6	---	---	---
5	14.4	13.5	14.0	17.3	16.1	16.4	19.0	16.9	17.5	---	---	---
6	15.7	13.9	14.8	17.1	16.3	16.7	18.0	16.5	16.8	---	---	---
7	16.9	13.7	15.0	16.9	16.3	16.5	17.9	17.2	17.4	---	---	---
8	18.5	13.3	15.1	16.9	16.3	16.6	21.1	17.1	17.9	---	---	---
9	19.3	13.4	15.2	17.5	16.3	16.9	21.1	17.7	19.2	---	---	---
10	19.7	12.8	15.2	17.8	16.6	16.9	18.7	17.5	17.9	---	---	---
11	19.6	13.0	15.0	18.1	16.1	17.0	18.4	17.5	17.9	19.9	18.6	19.1
12	18.8	14.5	16.6	18.1	16.2	16.8	19.6	17.9	18.3	19.2	19.0	19.1
13	19.1	14.5	16.8	17.3	16.3	16.7	19.6	17.9	18.6	19.3	18.5	18.9
14	17.6	15.1	16.0	17.3	16.4	16.7	18.9	18.4	18.6	19.6	18.1	18.6
15	16.3	14.8	15.2	16.7	16.4	16.6	19.4	18.2	18.6	19.0	17.9	18.3
16	16.3	14.6	15.1	16.8	16.4	16.6	19.3	18.1	18.5	19.2	17.8	18.6
17	15.5	14.8	15.2	17.0	16.6	16.8	19.5	18.7	19.1	19.0	18.4	18.8
18	17.1	15.3	16.0	17.1	16.7	16.9	19.1	18.4	18.7	19.4	17.8	18.6
19	17.5	15.1	16.3	17.3	16.8	17.0	19.0	18.3	18.6	19.5	18.1	18.9
20	17.4	15.1	16.3	17.3	16.7	17.0	19.4	18.3	18.7	19.2	18.6	19.0
21	16.4	15.4	16.0	17.1	16.4	16.7	19.6	18.6	19.1	19.7	18.5	19.0
22	17.7	15.1	15.9	16.7	16.1	16.4	19.8	18.6	19.2	19.5	18.1	19.0
23	17.4	15.3	16.1	18.9	16.1	16.7	19.4	18.5	18.9	19.9	17.9	19.1
24	17.1	15.3	15.8	16.8	16.1	16.5	19.3	18.8	19.1	20.3	18.2	18.8
25	16.9	15.5	16.0	17.2	16.0	16.5	19.4	19.1	19.2	20.4	18.4	19.4
26	---	---	---	18.1	16.2	16.8	19.4	18.8	19.2	20.1	19.1	19.5
27	---	---	---	16.7	16.0	16.2	19.4	19.0	19.2	20.3	19.0	19.6
28	---	---	---	20.4	15.9	16.5	19.3	18.9	19.1	22.8	18.6	19.9
29	15.9	15.7	15.9	20.5	16.2	18.0	19.0	18.8	18.9	24.9	18.4	22.2
30	16.3	15.8	16.0	17.9	15.8	16.3	19.2	18.4	18.9	24.9	23.0	24.1
31	---	---	---	20.1	15.3	16.7	19.1	18.4	18.8	---	---	---
Month	---	---	---	---	---	---	21.1	15.7	18.4	---	---	---

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

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	October			November			December			January		
1	8.3	8.2	8.2	7.9	7.7	7.8	7.9	7.8	7.9	8.3	8.3	8.3
2	8.3	8.2	8.3	7.9	7.8	7.8	8.0	7.8	7.9	8.3	8.2	8.2
3	8.3	8.1	8.3	7.9	7.8	7.8	7.9	7.9	7.9	8.3	8.2	8.2
4	8.3	8.2	8.2	7.9	7.8	7.8	7.9	7.9	7.9	8.3	8.2	8.3
5	8.3	8.2	8.2	7.9	7.8	7.9	7.9	7.9	7.9	8.3	8.3	8.3
6	8.3	8.1	8.2	8.0	7.9	8.0	7.9	7.9	7.9	8.3	8.3	8.3
7	8.3	8.1	8.2	8.0	7.9	7.9	7.9	7.9	7.9	8.4	8.3	8.3
8	8.3	8.2	8.2	8.0	7.9	8.0	7.9	7.9	7.9	8.3	8.3	8.3
9	8.3	8.2	8.3	8.1	7.9	8.0	8.1	7.9	8.0	8.4	8.3	8.3
10	8.3	8.2	8.3	8.1	8.0	8.0	8.1	8.0	8.0	8.4	8.3	8.3
11	8.3	8.2	8.2	8.0	8.0	8.0	8.1	8.0	8.0	8.3	8.2	8.2
12	8.2	8.1	8.2	8.2	8.0	8.0	8.1	8.0	8.1	8.3	8.2	8.2
13	8.2	8.1	8.2	8.1	8.0	8.1	8.1	8.0	8.1	8.2	8.2	8.2
14	8.2	8.1	8.1	8.2	8.0	8.1	8.1	8.1	8.1	8.2	8.2	8.2
15	8.2	8.1	8.2	8.2	8.1	8.1	8.1	8.0	8.0	8.2	8.2	8.2
16	8.2	8.1	8.2	8.1	8.1	8.1	8.1	8.0	8.0	8.2	7.9	8.0
17	8.2	7.9	8.0	8.1	8.1	8.1	8.1	8.1	8.1	8.0	8.0	8.0
18	8.0	7.9	7.9	8.1	8.1	8.1	8.2	8.0	8.1	8.0	8.0	8.0
19	8.0	7.8	7.9	8.2	8.1	8.1	8.2	8.1	8.2	8.0	8.0	8.0
20	7.9	7.7	7.8	8.1	8.0	8.1	8.3	8.2	8.3	8.0	8.0	8.0
21	8.0	7.8	7.9	8.1	8.0	8.1	8.3	8.2	8.2	8.1	8.0	8.0
22	7.9	7.8	7.9	8.1	8.0	8.0	8.3	8.2	8.2	8.1	8.0	8.0
23	7.9	7.8	7.9	8.0	8.0	8.0	8.3	8.2	8.3	8.1	8.0	8.0
24	7.9	7.8	7.8	8.1	8.0	8.0	8.3	8.2	8.2	8.1	8.0	8.0
25	7.8	7.7	7.8	8.1	8.0	8.0	8.3	8.3	8.3	8.0	8.0	8.0
26	7.8	7.7	7.7	8.1	8.0	8.0	8.3	8.2	8.3	8.1	8.0	8.0
27	7.7	7.7	7.7	8.1	8.0	8.0	8.3	8.2	8.2	8.1	8.0	8.0
28	7.7	7.7	7.7	8.1	7.8	7.9	8.3	8.3	8.3	8.1	8.0	8.0
29	7.8	7.7	7.7	7.9	7.9	7.9	8.3	8.2	8.3	8.1	8.0	8.1
30	7.9	7.7	7.8	7.9	7.9	7.9	8.3	8.3	8.3	8.0	8.0	8.0
31	7.8	7.7	7.8	---	---	---	8.3	8.3	8.3	8.0	8.0	8.0
Max	8.3	8.2	8.3	8.2	8.1	8.1	8.3	8.3	8.3	8.4	8.3	8.3
Min	7.7	7.7	7.7	7.9	7.7	7.8	7.9	7.8	7.9	8.0	7.9	8.0

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

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

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

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

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

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

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

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	October			November			December			January		
1	8.2	8.1	8.1	8.1	7.8	8.0	8.2	8.1	8.1	8.1	8.0	8.1
2	8.2	8.1	8.1	7.9	7.8	7.9	8.1	8.0	8.0	8.0	8.0	8.0
3	8.2	7.7	8.1	7.9	7.8	7.8	8.0	8.0	8.0	8.1	8.0	8.0
4	8.2	7.4	8.0	7.9	7.8	7.8	8.0	8.0	8.0	8.1	8.0	8.1
5	8.2	7.5	7.9	8.0	7.9	7.9	8.0	8.0	8.0	8.1	8.0	8.0
6	8.2	7.6	8.1	8.0	7.8	8.0	8.0	8.0	8.0	8.2	8.0	8.1
7	8.1	7.8	8.0	8.0	7.9	8.0	8.0	8.0	8.0	8.2	8.0	8.1
8	8.2	7.6	8.1	8.0	8.0	8.0	8.1	8.0	8.0	8.1	7.9	8.0
9	8.2	7.5	7.9	8.1	7.9	8.0	8.0	7.9	8.0	8.0	7.8	8.0
10	8.2	7.6	8.1	8.0	7.9	8.0	8.0	7.9	8.0	8.0	7.8	7.9
11	8.3	7.6	8.2	8.0	7.9	7.9	8.1	7.9	8.0	8.0	7.9	8.0
12	8.2	8.0	8.1	8.0	7.8	7.9	8.1	7.9	8.0	8.0	7.9	8.0
13	8.1	8.0	8.1	8.0	7.8	7.8	8.0	7.9	8.0	8.0	7.9	8.0
14	8.1	7.8	8.0	7.9	7.8	7.8	8.0	7.9	8.0	8.0	8.0	8.0
15	8.1	7.7	7.8	7.9	7.8	7.8	8.0	7.9	8.0	8.0	8.0	8.0
16	8.1	7.7	7.9	7.8	7.8	7.8	8.0	7.8	8.0	8.2	8.0	8.1
17	8.3	7.8	8.1	7.8	7.8	7.8	7.9	7.8	7.8	8.2	8.1	8.1
18	8.2	7.7	8.2	7.9	7.8	7.8	7.9	7.8	7.8	8.2	8.1	8.1
19	8.2	7.7	8.1	7.9	7.7	7.8	7.9	7.8	7.9	8.2	8.1	8.1
20	8.2	7.9	8.1	8.0	7.6	7.8	7.9	7.8	7.9	8.2	8.1	8.1
21	8.2	7.9	8.1	8.0	7.9	8.0	7.9	7.8	7.9	8.2	8.1	8.1
22	8.2	7.8	8.1	8.0	7.6	7.9	8.0	7.9	7.9	8.2	8.1	8.2
23	8.2	7.9	8.1	8.0	7.8	7.9	8.0	7.9	7.9	8.2	8.1	8.1
24	8.1	7.6	8.1	8.0	7.9	7.9	8.0	7.9	8.0	8.2	8.1	8.1
25	8.1	7.6	8.0	8.0	7.9	7.9	8.0	8.0	8.0	8.2	8.1	8.1
26	8.1	7.8	8.0	7.9	7.7	7.9	8.1	8.0	8.0	8.2	8.1	8.2
27	8.0	7.8	7.9	8.0	7.9	7.9	8.1	8.0	8.0	8.2	8.1	8.2
28	8.0	8.0	8.0	8.1	7.9	8.1	8.0	8.0	8.0	8.2	8.1	8.1
29	8.1	8.0	8.0	8.2	8.1	8.1	8.1	8.0	8.0	8.2	8.0	8.1
30	8.1	7.9	8.1	8.2	8.1	8.1	8.0	8.0	8.0	8.2	8.1	8.1
31	8.2	8.0	8.1	---	---	---	8.1	8.0	8.0	8.1	8.1	8.1
Max	8.3	8.1	8.2	8.2	8.1	8.1	8.2	8.1	8.1	8.2	8.1	8.2
Min	8.0	7.4	7.8	7.8	7.6	7.8	7.9	7.8	7.8	8.0	7.8	7.9

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

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

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

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

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

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

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

TEMPERATURE, WATER, DEGREES CELSIUS, TOP
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	23.9	23.1	23.5	20.4	18.9	19.4	12.0	11.5	11.8	11.9	11.1	11.5
2	24.5	23.1	23.7	19.5	17.9	18.8	11.8	11.3	11.6	11.1	8.4	10
3	24.8	23.6	24.0	17.9	17.4	17.6	12.4	11.6	12.0	8.8	6.9	8.0
4	25.4	24.1	24.6	17.5	16.3	17.0	11.6	9.8	10.7	7.0	5.8	6.5
5	25.2	24.5	24.9	17.2	16.0	16.6	9.9	9.0	9.4	6.1	5.0	5.7
6	25.7	24.8	25.0	16.5	15.8	16.2	9.5	9.1	9.3	7.6	5.5	6.2
7	26.6	24.9	25.4	15.8	14.6	15.2	9.5	8.7	8.9	7.7	6.7	7.1
8	27.1	25.5	26.2	14.7	13.7	14.2	10.0	8.6	9.0	10.2	7.3	8.6
9	27.7	25.8	26.3	13.8	12.9	13.3	10.0	8.6	9.5	11.6	8.8	9.9
10	26.6	25.6	26.0	13.4	12.7	13.0	11.5	9.8	10.6	11.2	9.6	10.4
11	25.6	24.0	25.0	12.9	12.1	12.5	11.4	10.8	11.1	11.7	10.0	10.9
12	24.0	22.5	23.2	12.8	11.4	12.1	11.8	10.4	11.3	11.7	10.8	11.2
13	22.7	21.7	22.3	13.4	12.2	12.7	12.4	11.5	11.8	10.8	10.4	10.6
14	22.5	20.8	21.9	14.6	12.9	13.6	13.2	11.9	12.4	10.6	10.0	10.3
15	22.3	21.3	21.8	14.2	13.3	13.8	12.2	11.6	11.9	10.0	8.9	9.5
16	22.6	21.4	21.8	13.3	12.2	12.7	12.8	11.6	12.3	8.9	8.3	8.6
17	23.4	21.8	22.3	12.5	11.7	12.1	11.6	9.8	10.5	8.4	8.0	8.2
18	23.5	22.0	22.7	13.0	11.7	12.2	10.2	9.0	9.6	8.2	7.8	8.0
19	24.2	22.7	23.2	13.0	12.3	12.7	9.5	8.7	9.2	8.0	7.7	7.9
20	23.4	22.9	23.2	13.7	12.6	13.0	9.6	8.6	9.1	7.7	6.9	7.4
21	23.3	22.4	22.8	14.0	12.8	13.4	9.4	9.1	9.3	7.0	6.0	6.4
22	23.1	22.4	22.7	14.1	13.4	13.8	10.1	9.3	9.6	6.7	5.6	6.0
23	23.4	22.5	23.0	14.1	13.1	13.7	10.8	9.8	10.3	7.4	6.0	6.7
24	24.4	23.0	23.6	13.1	12.3	12.6	11.2	10.4	10.7	7.4	6.7	7.0
25	23.9	23.6	23.7	12.3	11.9	12.0	10.8	10.1	10.3	6.9	6.2	6.5
26	23.6	23.4	23.6	12.9	12.0	12.4	10.4	9.9	10.2	6.2	5.3	5.7
27	23.4	22.9	23.2	13.4	12.9	13.2	10.5	9.6	9.8	6.2	5.4	5.8
28	22.9	21.4	22.2	13.2	12.5	12.7	10.6	9.4	10.0	6.2	5.3	5.7
29	21.4	19.2	20.3	12.7	12.3	12.5	11.9	10.4	11.1	6.7	5.2	5.9
30	20.2	18.6	19.5	12.5	12.0	12.2	11.8	11.3	11.6	7.7	6.5	7.3
31	19.8	19.0	19.4	---	---	---	12.1	11.4	11.7	7.6	7.0	7.2
Month	27.7	18.6	23.3	20.4	11.4	13.9	13.2	8.6	10.5	11.9	5.0	8.0

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

TEMPERATURE, WATER, DEGREES CELSIUS, TOP
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	9.4	7.1	7.9	10.4	9.3	9.8	15.4	13.3	14.0	21.2	18.8	19.7
2	9.0	8.0	8.4	11.1	9.7	10.2	15.1	14.3	14.6	21.0	19.4	20.1
3	9.6	8.2	8.7	11.9	9.6	10.6	14.3	13.7	13.9	21.8	19.9	20.8
4	9.8	8.7	9.2	13.5	11.1	11.9	15.2	13.9	14.6	23.6	20.7	21.6
5	10.6	9.4	10.0	14.4	12.2	13.4	15.9	15.2	15.5	22.5	21.5	21.9
6	12.0	10.4	11.1	15.8	13.2	14.1	16.0	15.5	15.8	23.1	21.1	22.1
7	12.9	11.4	12.1	14.4	13.8	14.1	15.6	14.8	15.1	23.6	21.7	22.4
8	12.8	11.6	12.3	15.5	13.7	14.7	14.8	14.2	14.5	22.2	21.7	22.0
9	13.0	11.7	12.3	13.7	12.3	13.0	14.6	14.0	14.3	23.0	21.7	22.2
10	12.6	11.8	12.1	13.8	12.1	12.9	17.0	14.4	14.8	24.1	22.3	22.9
11	11.8	10.9	11.3	14.1	12.0	12.9	17.5	14.8	16.0	22.8	21.4	21.9
12	11.2	10.4	10.8	14.5	12.7	13.5	18.7	16.2	17.3	21.6	19.4	20.5
13	12.6	11.2	11.9	15.7	13.0	14.1	19.1	17.6	18.1	19.5	18.7	19.0
14	12.3	11.3	11.8	15.3	13.8	14.5	18.0	16.9	17.5	20.9	18.0	19.2
15	11.7	10.8	11.2	16.4	14.0	14.8	16.9	15.7	16.3	20.5	19.0	19.7
16	11.5	11.1	11.3	15.0	14.4	14.7	15.8	15.0	15.5	21.1	20.1	20.5
17	11.8	10.7	11.2	14.4	13.5	13.9	16.5	14.7	15.4	22.6	20.2	20.9
18	13.3	11.8	12.5	13.8	12.7	13.4	19.7	15.1	16.8	21.1	20.3	20.7
19	12.6	11.9	12.3	15.3	13.3	14.0	18.5	16.4	17.3	21.3	20.1	20.8
20	12.4	11.2	11.8	15.5	14.8	15.1	18.0	17.0	17.5	21.8	20.7	21.2
21	11.6	10.7	11.1	15.6	14.0	14.6	17.9	17.3	17.5	22.4	21.2	21.6
22	10.7	10.4	10.5	15.2	13.6	14.4	17.8	17.1	17.4	22.3	21.2	21.8
23	10.8	10.0	10.5	15.0	14.1	14.5	18.5	17.5	18.0	22.7	21.3	21.8
24	11.2	10.3	10.6	14.4	13.3	13.8	20.7	17.9	19.0	22.9	21.3	21.7
25	11.8	9.9	10.7	13.9	12.8	13.2	21.8	18.8	20.1	24.0	21.1	22.1
26	11.7	10.6	11.1	14.0	12.4	13.0	22.2	19.7	20.8	23.9	21.7	22.7
27	11.4	10.3	10.9	14.7	12.7	13.5	22.2	20.6	21.2	23.8	22.1	22.7
28	10.3	8.8	9.5	15.5	13.7	14.5	21.3	20.7	21.0	23.0	21.3	22.2
29	10.0	8.1	9.1	15.2	13.7	14.6	21.0	19.9	20.5	22.3	20.9	21.5
30	---	---	---	13.8	12.8	13.2	21.4	19.0	19.9	22.9	21.1	21.9
31	---	---	---	13.4	12.8	13.1	---	---	---	24.1	22.2	23.1
Month	13.3	7.1	10.8	16.4	9.3	13.5	22.2	13.3	17.0	24.1	18.0	21.4

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

**TEMPERATURE, WATER, DEGREES CELSIUS, TOP
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	27.0	23.0	24.3	28.4	26.9	27.6	31.4	29.1	29.9	28.5	27.7	28.0
2	25.7	24.2	24.9	28.6	26.9	27.6	30.9	29.6	30.2	28.4	27.2	27.7
3	25.7	24.1	24.9	28.1	26.9	27.5	30.6	29.0	29.8	29.1	27.0	27.8
4	26.0	24.4	25.1	28.4	26.6	27.5	30.8	29.5	30.0	---	---	---
5	28.0	24.6	26.0	27.8	27.2	27.5	31.0	29.2	30.1	---	---	---
6	29.3	25.8	27.3	27.7	26.8	27.2	31.0	29.9	30.4	---	---	---
7	30.7	26.9	28.2	27.9	27.0	27.5	31.4	29.8	30.5	---	---	---
8	31.0	28.2	29.2	27.9	27.1	27.4	30.9	29.0	29.8	---	---	---
9	31.2	28.5	29.4	27.2	26.4	26.8	29.6	28.8	29.4	---	---	---
10	31.9	28.8	29.8	28.5	26.3	27.1	29.2	28.6	28.9	---	---	---
11	30.4	28.7	29.2	27.6	26.9	27.2	29.1	27.9	28.5	27.9	26.6	27.2
12	29.4	28.0	28.6	27.7	26.7	27.1	29.4	27.7	28.5	28.6	26.9	27.6
13	28.8	27.7	28.2	28.4	26.7	27.3	28.4	26.9	27.4	29.4	27.0	28.0
14	29.3	27.4	28.1	29.7	27.2	28.2	28.4	26.3	26.9	28.7	27.8	28.2
15	28.1	27.4	27.7	28.7	27.8	28.1	27.7	25.9	26.8	29.2	27.4	28.3
16	28.9	27.1	27.7	28.4	27.4	27.9	28.8	26.9	27.5	28.6	27.2	27.9
17	28.9	26.7	27.9	28.8	27.6	28.1	27.9	26.8	27.4	27.2	25.7	26.5
18	28.7	27.1	27.7	29.0	27.8	28.3	28.1	26.8	27.3	25.7	24.9	25.3
19	27.8	26.8	27.3	29.3	28.2	28.8	28.6	27.1	27.6	24.9	24.2	24.5
20	27.6	26.2	26.8	28.7	28.0	28.4	28.5	27.3	27.8	24.3	23.2	23.6
21	26.5	25.9	26.3	30.0	28.0	28.8	28.0	27.1	27.5	23.9	22.8	23.4
22	27.5	25.8	26.4	30.3	28.6	29.1	27.4	26.7	27.0	23.5	22.8	23.0
23	26.8	26.2	26.5	29.4	28.6	28.9	27.5	26.4	26.9	22.9	21.8	22.5
24	28.5	26.1	26.8	29.2	27.7	28.5	28.1	26.6	27.2	21.9	20.6	21.4
25	29.4	26.9	27.8	28.9	28.2	28.5	28.5	27.0	27.6	20.9	20.0	20.6
26	---	---	---	30.3	27.9	28.7	28.3	27.5	27.8	21.8	20.4	21.1
27	---	---	---	29.1	28.1	28.5	27.9	26.9	27.3	22.8	21.2	21.8
28	---	---	---	30.9	28.0	29.2	27.5	26.7	27.1	23.7	21.6	22.5
29	28.8	27.5	28.0	31.0	29.0	29.9	28.4	27.0	27.5	24.5	22.9	23.4
30	28.5	27.4	27.8	31.0	29.2	29.9	29.1	27.1	27.9	24.0	22.9	23.4
31	---	---	---	31.8	28.7	30.1	28.7	27.6	28.2	---	---	---
Month	---	---	---	31.8	26.3	28.2	31.4	25.9	28.3	---	---	---

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

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	23.8	23.1	23.4	19.7	19.0	19.3	12.0	11.5	11.8	11.9	11.0	11.5
2	24.2	23.0	23.6	19.6	17.9	18.8	11.8	11.3	11.6	11.0	8.4	9.9
3	24.0	23.7	23.8	17.9	17.5	17.7	12.4	11.6	12.0	8.7	7.1	8.1
4	24.4	24.0	24.2	17.7	17.0	17.4	11.6	9.9	10.7	8.2	6.8	7.6
5	24.8	24.2	24.5	17.3	16.4	17.0	10.6	9.5	10.2	8.1	6.7	7.7
6	25.0	24.6	24.8	17.1	15.8	16.4	9.5	9.1	9.3	8.2	7.0	7.7
7	25.2	24.8	25.0	15.8	14.8	15.3	9.1	8.7	8.9	8.5	8.0	8.2
8	26.1	25.0	25.5	14.9	13.8	14.2	9.4	8.7	9.0	8.5	8.0	8.3
9	25.9	25.0	25.4	14.2	13.2	13.7	9.6	9.1	9.3	8.5	7.9	8.3
10	26.2	25.1	25.6	13.9	12.9	13.3	9.9	9.4	9.6	9.2	8.3	8.7
11	25.6	24.0	25.0	13.2	12.4	12.7	10.4	9.7	9.9	11.2	8.2	9.6
12	24.0	22.9	23.3	14.0	12.9	13.3	11.7	9.7	10.7	11.2	10.1	10.6
13	23.3	22.3	22.7	13.8	12.8	13.4	12.2	10.1	11.0	10.7	9.9	10.5
14	23.1	22.2	22.6	13.8	13.1	13.4	12.3	10.4	11.1	10.6	9.9	10.3
15	23.1	21.9	22.6	13.9	13.2	13.5	12.1	10.8	11.7	9.9	8.9	9.4
16	22.5	21.5	22.1	13.2	12.1	12.6	12.8	11.6	12.3	8.9	8.3	8.6
17	23.1	21.9	22.3	12.5	11.8	12.2	11.6	9.8	10.6	8.8	8.0	8.2
18	23.3	22.4	22.7	12.3	11.6	12.0	10.2	9.5	9.8	8.2	7.8	8.0
19	24.2	22.8	23.2	12.8	12.1	12.4	10.0	9.3	9.8	8.2	7.7	7.9
20	23.5	23.0	23.3	13.1	12.6	12.8	10.3	9.0	9.7	7.7	6.9	7.4
21	23.2	22.8	23.0	13.6	13.0	13.3	9.7	9.1	9.3	6.9	6.0	6.4
22	23.1	22.5	22.9	14.0	13.2	13.6	10.1	9.3	9.7	7.0	5.8	6.2
23	23.4	22.7	23.0	13.9	13.0	13.6	10.7	9.9	10.2	6.8	6.3	6.5
24	24.0	23.2	23.5	13.0	12.2	12.5	11.1	10.4	10.7	7.3	6.7	6.9
25	24.0	23.5	23.8	12.2	11.8	12.0	10.8	10.2	10.5	6.9	6.2	6.5
26	23.7	23.5	23.6	12.8	11.9	12.2	10.4	9.9	10.2	6.5	6.0	6.2
27	23.6	23.0	23.3	13.4	12.6	13.1	10.1	9.5	9.9	6.6	5.5	6.0
28	23.0	21.4	22.3	13.0	12.5	12.7	10.2	10.0	10.1	6.7	5.8	6.2
29	21.4	19.3	20.4	12.7	12.3	12.5	11.4	10.1	10.8	6.7	5.9	6.4
30	20.0	18.7	19.3	12.5	12.0	12.2	11.3	10.7	11.0	8.1	6.3	7.3
31	19.8	19.0	19.4	---	---	---	11.8	11.0	11.4	7.7	7.0	7.2
Month	26.2	18.7	23.2	19.7	11.6	14.0	12.8	8.7	10.4	11.9	5.5	8.0

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

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	9.4	7.1	7.8	10.5	9.5	10.0	15.2	13.2	13.7	19.8	19.4	19.6
2	8.7	8.0	8.2	10.6	9.8	10.1	15.2	14.2	14.6	20.9	19.5	20.0
3	8.9	8.1	8.5	11.5	10.0	10.6	14.2	13.6	13.9	21.3	19.7	20.4
4	8.9	8.5	8.7	13.6	10.6	11.9	14.8	13.6	14.0	22.5	20.3	21.0
5	10.5	8.7	9.2	14.5	12.3	13.4	15.7	14.0	14.8	22.0	19.9	21.1
6	11.7	8.6	10.7	14.6	13.4	13.8	15.9	14.8	15.6	22.8	20.4	21.3
7	12.9	11.4	12.1	14.4	12.8	13.8	15.5	14.8	15.1	22.0	20.2	21.2
8	12.8	11.6	12.2	15.6	13.8	14.8	14.8	14.1	14.4	22.2	20.6	21.9
9	12.9	11.8	12.3	13.8	12.4	13.1	14.6	14.1	14.3	23.0	21.4	22.2
10	12.6	11.8	12.1	13.4	12.6	13.0	14.3	14.1	14.2	23.5	22.2	22.6
11	11.8	10.9	11.3	13.3	12.7	13.1	16.3	14.2	14.7	22.9	21.4	22.0
12	11.2	10.4	10.9	14.0	13.2	13.6	18.7	15.2	17.1	21.5	19.4	20.5
13	12.6	11.2	11.9	14.2	13.3	13.7	18.4	15.8	17.5	19.5	18.7	19.1
14	12.3	11.5	11.8	14.1	13.4	13.7	17.8	17.0	17.4	19.6	19.1	19.3
15	11.6	11.1	11.4	15.9	13.6	14.1	17.0	15.8	16.4	20.0	19.2	19.5
16	11.6	11.2	11.4	14.8	14.2	14.6	15.9	15.1	15.6	20.8	19.3	20.1
17	11.8	10.9	11.2	14.5	13.4	13.9	16.0	14.8	15.3	21.1	20.2	20.5
18	13.4	11.8	12.6	13.9	12.9	13.6	15.9	15.5	15.7	21.1	20.4	20.7
19	12.7	12.1	12.4	15.0	13.3	13.9	16.8	15.4	16.2	21.2	20.1	20.7
20	12.3	11.6	11.9	15.2	14.7	15.0	17.0	15.6	16.2	21.8	20.6	21.2
21	11.7	10.8	11.2	14.8	13.9	14.2	17.8	16.6	17.3	22.1	21.2	21.6
22	10.8	10.5	10.7	14.9	14.0	14.4	17.8	17.1	17.4	22.2	21.2	21.7
23	10.9	10.4	10.7	14.7	14.0	14.4	18.3	17.4	17.7	22.0	21.4	21.6
24	10.9	10.4	10.6	14.3	13.3	13.7	18.9	17.6	18.2	22.3	21.4	21.7
25	11.2	10.2	10.7	13.4	12.8	13.0	19.4	17.5	18.4	22.0	21.4	21.7
26	11.6	10.7	11.0	13.5	12.3	13.0	20.4	18.2	19.1	22.2	21.4	21.7
27	11.5	10.4	11.0	14.2	12.7	13.4	21.1	18.2	19.9	23.2	21.6	22.4
28	10.4	9.4	9.7	15.3	13.7	14.4	21.2	18.7	20.2	23.0	21.4	22.2
29	10.1	9.6	9.8	15.1	13.7	14.5	20.9	19.9	20.5	22.3	20.9	21.4
30	---	---	---	13.8	12.7	13.2	20.6	19.1	19.6	22.6	21.3	21.7
31	---	---	---	13.4	12.6	12.9	---	---	---	24.0	22.2	22.9
Month	13.4	7.1	10.8	15.9	9.5	13.4	21.2	13.2	16.5	24.0	18.7	21.1

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

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	25.1	23.1	23.7	28.0	26.9	27.5	29.8	29.1	29.4	28.2	27.7	28.0
2	25.6	22.8	24.5	---	---	---	30.3	29.2	29.7	28.0	27.2	27.6
3	25.4	23.1	24.3	---	---	---	30.3	29.1	29.6	28.0	26.7	27.3
4	25.5	24.4	24.9	28.2	26.6	27.3	30.1	29.4	29.6	---	---	---
5	25.6	24.5	25.1	27.7	27.2	27.5	30.5	29.2	29.6	---	---	---
6	26.7	25.1	25.4	27.5	26.8	27.2	30.8	29.9	30.3	---	---	---
7	27.3	25.0	26.1	27.9	27.0	27.4	31.0	29.9	30.3	---	---	---
8	28.3	25.2	27.1	27.8	27.1	27.4	30.4	29.0	29.6	---	---	---
9	28.8	25.9	27.8	27.2	26.6	26.8	29.6	29.2	29.5	---	---	---
10	29.4	26.2	28.3	27.2	26.3	26.6	29.4	28.7	29.0	---	---	---
11	29.5	26.3	28.3	27.4	26.6	26.9	28.8	27.9	28.4	27.8	26.7	27.2
12	29.1	26.7	27.9	27.6	26.6	27.0	28.4	27.7	28.1	28.1	26.9	27.4
13	28.2	26.4	27.3	27.8	26.7	27.0	28.4	26.9	27.5	28.3	27.0	27.4
14	28.2	27.0	27.5	28.8	27.0	27.6	26.9	26.3	26.6	28.6	27.5	28.1
15	28.1	27.3	27.6	28.6	27.8	28.1	27.3	26.1	26.6	28.8	27.4	28.1
16	28.3	27.0	27.5	28.4	27.3	27.8	27.2	26.9	27.1	28.6	27.2	27.9
17	28.5	26.6	27.5	28.7	27.5	27.9	27.6	27.2	27.3	27.2	25.8	26.5
18	28.1	27.0	27.4	29.0	27.7	28.2	27.8	27.0	27.3	25.8	24.9	25.4
19	27.7	26.9	27.2	29.3	28.1	28.7	27.7	27.1	27.4	24.9	24.2	24.6
20	27.1	26.5	26.8	28.7	28.0	28.4	28.3	27.4	27.6	24.3	23.2	23.7
21	26.8	26.3	26.6	29.7	28.0	28.5	27.9	27.1	27.5	23.6	22.8	23.2
22	26.9	25.8	26.3	29.2	28.6	28.9	27.4	26.7	27.1	23.6	22.9	23.2
23	26.8	26.2	26.5	29.4	28.3	28.8	27.5	26.3	26.8	22.9	21.8	22.5
24	26.7	26.1	26.3	29.0	27.8	28.4	27.7	26.6	27.0	21.9	20.6	21.4
25	27.8	26.4	26.7	28.8	28.3	28.4	28.0	27.0	27.2	20.9	20.1	20.6
26	---	---	---	29.6	28.0	28.4	28.0	27.3	27.7	21.5	20.4	20.8
27	---	---	---	28.9	28.1	28.5	27.9	26.9	27.3	21.6	20.7	21.2
28	---	---	---	29.7	28.0	28.5	27.5	26.8	27.1	21.9	21.3	21.6
29	28.8	27.5	28.0	29.8	28.3	28.9	27.8	27.1	27.3	22.6	21.7	22.0
30	28.5	27.4	27.8	30.3	29.2	29.6	28.9	27.1	27.7	22.3	21.8	21.9
31	---	---	---	30.4	28.8	29.5	28.7	27.6	28.2	---	---	---
Month	---	---	---	---	---	---	31.0	26.1	28.1	---	---	---

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

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	8.4	7.0	7.6	9.0	8.0	8.5	9.5	9.1	9.3	10.4	10.1	10.2
2	8.8	7.3	8.0	8.4	7.9	8.1	9.4	9.1	9.3	10.3	9.9	10.1
3	8.3	6.5	7.5	8.5	7.7	8.1	9.4	9.1	9.3	11.1	10.1	10.6
4	8.2	6.8	7.4	9.3	8.0	8.4	9.3	9.1	9.2	11.8	10.9	11.3
5	7.7	6.8	7.2	9.6	8.7	9.1	9.8	9.2	9.6	12.0	11.6	11.8
6	8.2	6.1	6.9	9.3	8.7	9.0	10.0	9.5	9.7	12.1	11.8	11.9
7	8.7	6.2	7.5	9.1	8.4	8.8	10.4	9.6	10.0	12.2	11.7	12.0
8	8.5	7.2	7.7	9.4	8.8	9.1	10.8	10.0	10.3	12.1	11.7	11.9
9	8.3	7.4	7.7	9.8	9.2	9.4	10.9	10.3	10.6	12.0	11.6	11.7
10	7.7	6.8	7.1	9.7	9.0	9.3	11.0	10.6	10.8	11.8	11.3	11.5
11	7.1	6.1	6.6	9.9	8.8	9.4	11.3	10.6	10.9	11.3	10.3	10.7
12	7.4	5.8	6.6	10.2	9.5	9.9	11.2	10.8	11.0	10.7	10.3	10.5
13	7.7	6.3	7.2	10.2	9.7	9.9	11.1	10.7	10.9	10.5	10.2	10.3
14	8.1	6.3	7.2	9.9	9.4	9.7	11.0	10.6	10.8	10.5	10.1	10.3
15	8.7	6.6	7.6	9.4	8.7	8.9	10.8	10.0	10.3	10.6	10.1	10.3
16	8.4	6.9	7.7	8.9	8.6	8.8	10.1	9.6	9.9	10.6	10.2	10.4
17	8.2	6.6	7.4	9.0	8.6	8.8	10.4	9.5	9.9	10.6	10.1	10.3
18	7.8	6.7	7.4	9.4	8.8	9.1	11.2	9.8	10.4	10.8	10.2	10.5
19	7.7	6.5	7.0	9.5	9.0	9.3	11.5	10.4	11.0	11.0	10.3	10.7
20	7.5	6.0	6.7	9.9	9.1	9.4	11.4	10.6	11.0	11.0	10.4	10.8
21	8.2	6.7	7.4	10.0	9.5	9.7	10.6	9.9	10.1	11.5	10.7	11.2
22	8.1	7.2	7.6	9.6	8.8	9.2	10.6	10.0	10.2	---	---	---
23	7.9	7.2	7.5	9.2	8.6	9.0	10.5	10.2	10.4	---	---	---
24	7.8	6.7	7.2	9.5	8.5	9.0	10.6	10.1	10.3	---	---	---
25	7.4	5.9	6.7	9.3	9.0	9.1	10.7	10.3	10.4	---	---	---
26	7.0	6.2	6.6	9.5	8.8	9.2	10.4	10.0	10.2	---	---	---
27	7.1	6.0	6.7	9.6	8.9	9.2	10.7	9.8	10.2	---	---	---
28	8.0	6.8	7.3	9.5	9.1	9.3	10.7	10.2	10.5	---	---	---
29	9.0	7.3	8.1	9.5	9.1	9.3	10.4	10.0	10.2	---	---	---
30	9.5	8.1	8.7	9.6	9.0	9.2	10.3	10.1	10.2	11.5	10.7	11.1
31	9.6	8.0	8.7	---	---	---	10.4	10.0	10.2	11.2	10.9	11.1
Month	9.6	5.8	7.4	10.2	7.7	9.1	11.5	9.1	10.2	---	---	---

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

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	11.2	10.6	11.0	11.2	10.4	10.9	8.7	7.2	8.1	9.0	7.4	8.4
2	11.4	10.7	11.1	11.1	10.5	10.8	8.6	7.8	8.3	9.2	7.8	8.4
3	11.6	11.1	11.4	10.9	10.4	10.7	8.5	7.9	8.2	9.5	7.7	8.3
4	11.6	11.2	11.4	10.5	9.3	10.1	9.0	7.4	8.3	9.6	7.7	8.5
5	11.6	10.9	11.3	10.1	8.9	9.7	8.3	6.8	7.7	9.2	7.6	8.6
6	11.2	10.4	10.8	10.6	9.7	10.1	8.2	6.7	7.8	9.9	7.7	8.8
7	---	---	---	10.3	8.8	9.9	8.1	7.2	7.7	10.3	7.8	9.0
8	---	---	---	9.5	8.7	9.0	8.5	7.5	8.0	9.3	7.6	8.4
9	---	---	---	9.9	9.0	9.3	---	---	---	9.1	7.0	8.0
10	---	---	---	10.2	9.3	9.8	---	---	---	9.0	6.0	7.3
11	---	---	---	10.7	9.9	10.3	---	---	---	8.3	5.7	6.6
12	---	---	---	10.9	9.8	10.3	---	---	---	7.7	5.8	6.5
13	---	---	---	10.8	8.8	9.9	---	---	---	---	---	---
14	---	---	---	9.6	8.7	9.1	---	---	---	---	---	---
15	10.1	9.6	9.9	9.1	7.5	8.7	---	---	---	---	---	---
16	9.9	9.6	9.8	8.4	6.4	8.0	---	---	---	---	---	---
17	9.7	9.5	9.6	8.6	7.7	8.3	---	---	---	---	---	---
18	9.6	9.3	9.5	8.8	7.8	8.3	---	---	---	---	---	---
19	9.6	9.2	9.4	8.9	7.8	8.3	---	---	---	---	---	---
20	9.9	9.3	9.6	8.4	8.0	8.2	---	---	---	8.0	7.2	7.7
21	10.1	9.5	9.8	9.1	7.9	8.4	---	---	---	8.9	7.0	7.7
22	10.1	9.7	9.9	9.1	8.1	8.7	---	---	---	8.5	7.3	8.0
23	10.2	9.8	10.0	8.9	7.8	8.5	---	---	---	8.3	7.4	7.9
24	10.2	9.8	10.0	9.0	8.2	8.6	---	---	---	8.9	7.5	7.9
25	10.1	9.8	10	9.2	7.7	8.6	---	---	---	9.1	7.7	8.3
26	10.2	9.7	10	9.5	9.0	9.2	---	---	---	9.0	8.0	8.4
27	10.1	9.6	9.8	9.3	8.7	9.0	---	---	---	9.0	7.3	8.0
28	10.9	9.7	10.2	9.0	8.2	8.6	---	---	---	7.8	7.2	7.4
29	11.5	10.5	10.9	8.7	7.8	8.3	---	---	---	8.5	7.1	7.7
30	---	---	---	8.1	7.8	7.9	---	---	---	8.1	7.3	7.7
31	---	---	---	8.4	7.8	8.1	---	---	---	8.3	7.2	7.7
Month	---	---	---	11.2	6.4	9.1	---	---	---	---	---	---

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

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
June			July			August			September			
1	7.7	6.4	7.2	8.3	6.0	6.8	8.9	5.8	6.9	8.6	6.4	7.5
2	7.8	6.4	7.1	---	---	---	7.8	6.4	7.2	8.8	1.1	7.2
3	8.2	6.4	7.2	---	---	---	8.1	5.6	6.8	9.2	0.1	7.2
4	8.4	6.4	7.1	7.6	6.1	6.9	7.5	6.4	6.9	---	---	---
5	7.6	5.8	6.8	7.3	6.0	6.6	8.9	5.8	7.5	---	---	---
6	8.1	6.7	7.3	7.9	6.5	7.1	8.0	6.6	7.2	---	---	---
7	8.5	6.9	7.6	8.5	6.9	7.6	8.2	6.3	7.2	---	---	---
8	8.3	7.0	7.6	8.8	7.3	7.8	7.5	5.3	6.6	---	---	---
9	8.7	7.2	7.7	8.6	6.5	7.8	7.3	5.9	6.7	---	---	---
10	8.9	7.1	7.7	---	---	---	6.6	5.4	5.9	---	---	---
11	8.0	6.4	7.1	---	---	---	7.3	5.2	6.1	9.5	6.0	7.5
12	7.9	6.1	6.9	---	---	---	8.1	5.8	6.9	9.4	7.1	8.2
13	7.8	6.6	7.1	---	---	---	7.2	5.4	6.3	10.3	6.9	8.4
14	8.0	6.2	7.1	---	---	---	7.8	5.2	6.3	8.9	7.5	8.2
15	7.7	6.0	6.8	---	---	---	7.5	5.6	6.6	9.4	6.3	7.8
16	8.0	6.4	7.2	---	---	---	8.1	6.3	7.2	8.1	5.5	7.1
17	8.3	5.9	7.1	6.9	5.2	6.1	7.6	5.7	6.8	7.2	5.6	6.3
18	8.0	6.3	7.1	6.8	5.3	6.1	6.6	4.3	5.8	8.3	5.8	6.5
19	8.0	6.7	7.4	6.6	5.8	6.1	6.8	5.2	6.0	6.9	5.6	6.3
20	7.5	6.5	7.0	6.1	5.7	5.9	8.1	5.0	6.6	6.4	5.2	5.8
21	7.9	5.9	6.7	7.2	5.5	6.3	7.8	5.6	6.7	7.3	2.3	5.6
22	8.0	6.2	7.0	7.2	5.9	6.4	8.4	6.7	7.5	7.3	3.5	6.4
23	7.2	5.8	6.7	6.8	5.7	6.2	9.0	7.1	8.0	7.8	5.9	7.0
24	8.6	6.3	7.0	7.5	4.9	6.4	9.0	7.6	8.2	7.6	6.2	7.1
25	9.3	6.4	7.8	7.5	6.4	6.9	8.4	7.0	7.8	7.7	7.2	7.5
26	---	---	---	8.9	6.5	7.3	8.3	4.1	7.4	8.3	6.9	7.7
27	---	---	---	7.4	6.4	7.0	7.3	6.4	7.0	9.5	6.4	8.1
28	---	---	---	8.9	6.2	7.4	7.8	5.9	6.8	10.8	6.4	8.9
29	8.0	5.7	6.8	8.5	7.0	7.7	8.2	3.1	6.3	10.5	3.5	8.5
30	7.3	6.3	6.8	7.8	6.4	7.0	8.8	1.2	6.8	9.6	6.3	8.6
31	---	---	---	8.6	5.9	7.0	8.4	4.3	7.2	---	---	---
Month	---	---	---	---	---	---	9.0	1.2	6.9	---	---	---

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

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	7.9	7.2	7.6	---	---	---	9.7	9.1	9.4	10.1	9.4	9.8
2	8.3	7.2	7.7	8.0	7.6	7.7	9.7	9.2	9.4	9.9	9.5	9.8
3	7.9	3.6	6.4	8.2	7.3	7.7	9.5	9.0	9.3	10.6	9.7	10.1
4	7.1	1.5	5.0	8.3	7.0	7.6	9.4	9.0	9.2	10.8	9.8	10.3
5	7.0	2.1	4.5	9.0	7.9	8.5	9.7	8.8	9.2	10.9	9.4	10
6	6.8	2.1	5.5	9.1	7.1	8.7	10.1	9.4	9.6	10.8	9.4	10.1
7	5.8	4.0	5.0	9.0	8.3	8.7	10.3	9.3	9.7	10.6	9.6	9.9
8	7.2	3.1	5.8	9.4	8.9	9.2	10.8	9.7	10.0	10.5	9.2	9.8
9	7.3	2.2	4.7	10.2	8.8	9.4	11.0	9.6	10.2	11.0	9.5	10.2
10	7.5	2.3	5.4	9.8	9.0	9.4	11.3	10.0	10.5	10.7	9.4	10.0
11	7.5	2.3	6.8	10.2	9.0	9.6	11.1	9.8	10.6	10.9	9.9	10.4
12	7.2	6.1	6.6	---	---	---	11.8	9.6	10.5	10.2	9.4	9.8
13	7.6	5.3	6.6	---	---	---	11.2	10.0	10.6	10.2	9.6	9.9
14	7.8	4.5	6.4	---	---	---	11.1	9.7	10.5	10.3	9.8	10.1
15	7.8	4.0	5.3	9.0	8.0	8.6	10.6	9.7	10.1	10.4	9.8	10.1
16	7.8	4.4	6.0	9.1	8.6	8.9	9.8	9.2	9.5	10.9	10.0	10.4
17	---	---	---	9.1	8.2	8.7	10.2	9.1	9.6	10.6	10.2	10.4
18	---	---	---	9.9	8.4	9.2	10.5	9.3	9.9	10.8	10.1	10.5
19	---	---	---	9.6	7.7	9.1	10.9	9.3	10.2	10.8	10.3	10.5
20	---	---	---	10.0	7.5	9.3	11.0	9.1	10.0	11.1	10.3	10.7
21	---	---	---	10.5	9.1	9.6	10.1	9.2	9.7	11.5	10.7	11.1
22	---	---	---	9.7	6.5	9.0	10.2	9.6	9.8	11.6	10.8	11.2
23	---	---	---	9.5	8.0	9.0	10.1	9.6	9.9	11.8	10.4	11.1
24	---	---	---	9.7	8.7	9.3	10.2	9.7	9.9	11.6	10.5	11.0
25	---	---	---	9.5	9.2	9.4	10.4	9.7	10.0	11.6	10.9	11.3
26	---	---	---	9.5	7.5	9.0	10.1	9.5	9.8	11.5	11.1	11.3
27	---	---	---	9.9	9.0	9.5	10.0	9.5	9.7	11.9	10.8	11.4
28	---	---	---	9.7	9.3	9.5	10.0	9.3	9.7	11.9	10.5	11.2
29	---	---	---	9.9	9.1	9.5	10.0	9.5	9.8	11.9	10.5	11.4
30	---	---	---	9.7	9.2	9.4	9.9	9.2	9.7	11.7	10.9	11.2
31	---	---	---	---	---	---	10.1	9.5	9.8	11.4	10.8	11.2
Month	---	---	---	---	---	---	11.8	8.8	9.9	11.9	9.2	10.5

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

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	11.3	10.8	11.1	11.6	9.6	10.9	---	---	---	8.5	4.5	6.4
2	11.5	10.4	11.0	11.3	9.7	10.9	---	---	---	9.1	3.4	7.1
3	12.0	10.7	11.2	11.1	10.0	10.7	---	---	---	8.9	4.3	7.6
4	11.8	10.8	11.3	10.7	8.0	10.2	---	---	---	9.5	4.6	7.8
5	11.8	10.6	11.1	10.4	9.3	10.0	---	---	---	10.3	2.8	6.7
6	11.1	10.2	10.7	10.7	9.2	9.9	---	---	---	11.4	2.4	7.4
7	10.6	9.9	10.2	10.7	7.8	9.5	---	---	---	---	---	---
8	10.6	9.6	10.2	10.0	9.0	9.4	---	---	---	---	---	---
9	10.6	9.8	10.2	10.3	9.4	9.8	---	---	---	---	---	---
10	10.2	9.6	9.9	10.6	7.8	9.6	8.0	6.0	7.5	---	---	---
11	10.6	9.6	10	11.2	7.4	9.3	9.7	6.9	8.0	---	---	---
12	10.6	9.3	10.1	11.2	7.6	9.8	9.7	7.2	9.0	---	---	---
13	10.4	9.7	10.1	10.5	6.8	8.8	9.3	6.3	8.4	---	---	---
14	10.2	9.4	9.8	9.8	6.8	8.1	9.3	8.1	8.8	---	---	---
15	10.1	9.2	9.8	9.7	7.1	8.4	9.0	8.3	8.8	---	---	---
16	10.0	9.6	9.9	---	---	---	9.4	8.5	9.0	---	---	---
17	10.0	9.6	9.8	---	---	---	9.9	8.6	9.2	---	---	---
18	9.8	9.5	9.6	---	---	---	10.0	5.7	8.5	---	---	---
19	9.9	9.4	9.6	---	---	---	9.6	5.4	8.1	---	---	---
20	10.0	9.4	9.7	---	---	---	8.9	5.7	6.9	7.7	5.6	7.1
21	10.2	9.7	10	---	---	---	8.6	6.4	7.6	7.8	6.7	7.1
22	10.3	9.8	10.0	---	---	---	8.8	7.4	7.9	7.9	4.8	7.0
23	10.5	9.4	10.0	---	---	---	9.0	8.0	8.5	7.3	4.9	6.4
24	10.8	9.3	10.1	---	---	---	9.6	3.8	8.1	7.6	5.6	7.0
25	10.6	9.0	10	---	---	---	8.8	3.7	6.7	7.9	2.6	7.1
26	10.3	9.4	9.9	---	---	---	9.1	3.8	6.4	7.6	2.0	4.8
27	10.3	9.9	10.1	---	---	---	8.3	3.8	6.3	7.6	2.7	6.2
28	10.6	9.6	10.2	---	---	---	8.2	3.5	6.3	7.1	4.3	6.4
29	10.7	9.3	9.8	---	---	---	9.0	3.9	7.7	7.6	6.3	6.8
30	---	---	---	---	---	---	9.5	7.4	8.4	7.7	3.6	6.7
31	---	---	---	---	---	---	---	---	---	7.6	4.4	6.6
Month	12.0	9.0	10.2	---	---	---	---	---	---	---	---	---

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

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
June			July			August			September			
1	7.3	6.2	6.8	7.8	5.7	6.6	6.4	2.0	5.4	7.2	5.1	6.2
2	7.6	3.0	6.2	---	---	---	7.0	1.4	4.7	8.4	1.0	6.4
3	7.2	3.1	5.8	---	---	---	7.0	3.1	5.9	8.4	0.1	6.5
4	7.5	4.4	6.7	7.4	2.1	6.4	7.0	1.2	4.5	---	---	---
5	7.2	5.2	6.4	6.7	5.4	6.1	7.3	2.1	5.8	---	---	---
6	7.5	4.5	5.5	6.6	4.7	6.0	7.4	4.7	6.6	---	---	---
7	7.8	3.4	5.6	6.8	5.5	6.2	7.5	4.5	6.3	---	---	---
8	7.5	3.4	5.7	6.5	5.4	6.1	7.1	0.8	5.1	---	---	---
9	7.8	2.6	5.8	6.4	4.4	5.6	6.4	0.8	2.9	---	---	---
10	7.6	1.8	5.6	7.0	4.5	5.9	6.4	1.4	4.9	---	---	---
11	8.2	1.6	6.0	7.1	4.0	5.4	6.6	4.2	5.5	8.9	2.5	5.7
12	7.5	1.5	4.7	7.3	3.8	6.0	7.3	3.7	6.5	8.7	6.8	7.5
13	6.5	0.3	3.6	7.2	3.8	6.2	6.8	3.5	5.8	8.5	4.6	7.1
14	6.9	1.6	5.2	7.1	4.9	6.3	6.9	4.6	5.9	8.6	1.7	6.4
15	7.0	2.9	5.9	6.8	6.2	6.5	7.0	1.6	5.5	8.1	4.0	6.6
16	6.9	4.2	6.3	6.9	5.7	6.4	7.4	0.9	5.5	8.1	4.0	7.1
17	7.5	5.5	6.2	7.1	5.9	6.5	5.7	0.3	2.5	7.7	5.4	6.7
18	7.0	4.1	6.2	7.1	5.9	6.5	6.0	1.9	4.3	9.0	3.2	6.6
19	7.6	2.8	5.5	7.0	6.0	6.5	5.9	3.7	5.3	7.7	5.5	6.8
20	6.9	2.0	4.5	6.6	6.1	6.3	7.2	3.5	4.8	7.8	5.7	6.8
21	6.6	3.8	5.3	7.3	5.6	6.3	7.4	5.3	6.4	8.3	2.9	5.8
22	7.4	2.1	5.4	6.8	5.6	6.1	8.2	6.2	7.2	8.3	2.3	5.0
23	6.7	2.0	4.9	6.5	2.6	5.4	8.4	5.9	7.3	8.2	5.5	7.5
24	7.3	3.0	6.0	7.0	4.6	5.9	8.6	4.6	7.0	8.0	6.8	7.6
25	7.8	3.1	5.4	7.0	5.5	6.2	8.3	5.8	7.2	8.0	7.4	7.7
26	---	---	---	8.6	4.2	6.2	7.9	4.8	6.6	8.0	5.2	6.6
27	---	---	---	7.3	6.4	6.9	7.2	6.3	6.8	8.1	1.1	5.4
28	---	---	---	8.1	0.7	6.3	7.4	4.3	6.4	8.0	0.1	2.1
29	7.8	5.6	6.6	7.7	0.5	4.4	7.2	3.2	5.7	4.9	0.1	1.8
30	7.2	6.1	6.6	7.5	4.6	6.6	8.0	3.6	5.8	3.9	0.1	1.8
31	---	---	---	7.1	2.0	6.0	7.6	3.7	6.3	---	---	---
Month	---	---	---	---	---	---	8.6	0.3	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 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	109	91	99	108	96	103	100	95	98	109	104	106
2	116	95	104	102	93	97	99	95	97	105	98	102
3	108	85	99	100	90	94	100	96	98	105	98	101
4	110	89	98	107	91	97	96	93	94	107	99	103
5	103	91	96	110	99	104	98	93	96	107	102	105
6	110	81	93	106	98	102	99	94	97	110	104	107
7	119	83	100	101	94	98	103	95	98	113	107	110
8	117	97	105	103	96	99	107	98	102	118	110	113
9	116	99	105	104	98	101	110	102	106	119	112	115
10	105	91	96	102	96	99	113	106	109	117	112	115
11	95	82	87	103	94	99	116	108	112	114	107	110
12	95	75	84	106	97	102	115	110	113	110	106	109
13	98	80	91	108	100	104	117	112	114	108	104	106
14	103	79	91	106	102	104	117	112	114	107	102	104
15	111	83	96	102	94	97	114	106	109	106	100	103
16	108	88	97	95	91	93	108	102	105	104	100	102
17	106	84	95	96	90	93	105	98	101	103	97	100
18	102	87	95	99	92	96	111	98	105	104	98	101
19	101	84	91	102	95	99	114	99	109	105	99	102
20	98	78	87	107	97	101	112	105	109	105	99	102
21	106	86	95	109	101	105	105	98	100	107	99	103
22	105	92	98	105	97	101	107	100	103	---	---	---
23	103	93	97	101	93	98	108	103	105	---	---	---
24	104	87	94	101	92	97	109	103	105	---	---	---
25	98	77	89	99	95	96	109	104	106	---	---	---
26	92	81	87	102	93	98	105	100	103	---	---	---
27	92	78	87	104	96	100	107	98	102	---	---	---
28	102	87	93	103	98	100	108	101	105	---	---	---
29	111	91	100	101	97	99	108	102	105	---	---	---
30	117	97	105	102	95	98	108	105	107	107	101	104
31	117	96	106	---	---	---	109	104	107	106	102	105
Month	119	75	95	110	90	99	117	93	104	---	---	---

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

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	108	102	105	110	101	106	95	75	86	107	88	99
2	112	102	108	110	103	107	93	83	89	111	93	99
3	114	107	111	109	104	106	91	84	87	116	91	100
4	115	110	113	107	97	104	98	79	89	118	93	103
5	116	110	113	109	95	103	91	74	84	114	92	105
6	114	108	111	117	102	109	90	74	85	124	94	108
7	---	---	---	111	95	107	88	79	84	128	96	112
8	---	---	---	103	95	98	90	80	85	114	93	103
9	---	---	---	105	93	97	---	---	---	113	86	98
10	---	---	---	108	96	102	---	---	---	114	75	92
11	---	---	---	112	101	106	---	---	---	102	70	81
12	---	---	---	111	104	107	---	---	---	92	68	78
13	---	---	---	116	92	104	---	---	---	---	---	---
14	---	---	---	101	92	96	---	---	---	---	---	---
15	105	99	101	100	81	93	---	---	---	---	---	---
16	103	99	101	90	69	86	---	---	---	---	---	---
17	101	97	99	91	82	87	---	---	---	---	---	---
18	101	98	100	93	82	87	---	---	---	---	---	---
19	102	96	99	94	82	88	---	---	---	---	---	---
20	103	96	100	91	86	88	---	---	---	98	87	94
21	103	97	100	98	84	90	---	---	---	110	86	95
22	102	98	100	98	85	93	---	---	---	105	89	98
23	103	98	100	96	84	91	---	---	---	103	91	97
24	104	98	100	95	87	91	---	---	---	109	92	98
25	104	98	101	95	81	90	---	---	---	114	94	102
26	103	99	101	98	91	95	---	---	---	115	98	105
27	101	96	99	98	90	94	---	---	---	112	91	101
28	103	95	99	97	86	92	---	---	---	98	89	92
29	110	99	104	94	83	89	---	---	---	107	87	95
30	---	---	---	85	82	83	---	---	---	102	89	96
31	---	---	---	88	80	84	---	---	---	107	90	97
Month	---	---	---	117	69	96	---	---	---	---	---	---

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

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	102	82	93	116	83	95	131	83	99	124	91	107
2	104	83	93	---	---	---	115	92	104	126	16	102
3	107	83	95	---	---	---	119	80	99	133	1	102
4	109	84	93	105	85	96	110	92	100	---	---	---
5	105	76	91	102	83	92	131	84	110	---	---	---
6	113	89	100	110	90	99	118	96	106	---	---	---
7	121	94	106	119	95	106	123	92	107	---	---	---
8	118	97	107	123	101	108	111	77	96	---	---	---
9	124	100	110	119	90	107	106	85	97	---	---	---
10	128	99	109	---	---	---	95	77	85	---	---	---
11	115	89	101	---	---	---	105	73	87	135	83	106
12	113	85	97	---	---	---	118	82	99	134	99	117
13	111	92	99	---	---	---	103	75	88	149	97	120
14	114	86	99	---	---	---	111	72	87	128	106	117
15	107	83	94	---	---	---	105	77	91	136	88	112
16	113	89	99	---	---	---	116	88	102	116	77	100
17	117	81	99	98	73	85	108	80	95	99	78	87
18	113	87	98	97	75	86	94	61	82	113	78	89
19	111	93	102	95	82	88	98	73	85	93	75	84
20	103	88	96	87	80	84	116	70	93	85	68	77
21	107	80	90	104	77	89	111	79	94	97	30	74
22	111	85	96	105	84	91	119	94	105	95	45	83
23	98	79	91	98	81	88	127	98	111	101	76	90
24	120	85	97	107	69	90	128	105	115	96	78	90
25	132	88	109	107	90	98	121	98	110	97	89	93
26	---	---	---	127	91	104	119	58	105	106	87	97
27	---	---	---	106	90	99	103	90	98	123	81	103
28	---	---	---	130	87	106	110	83	95	141	82	115
29	113	79	95	124	95	111	117	44	88	137	45	112
30	103	87	95	115	91	102	128	17	97	126	82	112
31	---	---	---	128	84	101	121	61	103	---	---	---
Month	---	---	---	---	---	---	131	17	98	---	---	---

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

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	104	93	98	---	---	---	102	96	99	106	98	102
2	110	93	100	97	90	93	102	96	99	101	95	98
3	104	47	84	96	86	91	101	94	98	101	95	98
4	94	20	66	97	83	89	97	93	95	103	95	99
5	93	28	60	104	92	98	97	90	94	101	92	96
6	90	28	73	104	83	99	100	93	96	106	91	98
7	77	54	67	101	93	98	102	92	96	105	94	97
8	98	42	79	103	97	100	108	95	99	103	91	97
9	99	30	64	111	95	101	110	96	101	107	94	100
10	101	32	74	104	98	101	114	100	105	107	93	100
11	100	32	90	108	97	102	112	100	107	109	98	104
12	93	80	86	---	---	---	122	98	108	105	97	101
13	98	69	85	---	---	---	117	105	111	105	98	102
14	101	59	83	---	---	---	117	102	111	105	100	102
15	99	52	68	98	88	94	112	103	107	104	98	101
16	100	57	77	97	91	94	104	96	102	107	98	102
17	---	---	---	96	87	92	103	94	98	104	98	101
18	---	---	---	104	89	97	105	94	99	104	97	101
19	---	---	---	102	83	97	109	94	103	104	99	101
20	---	---	---	107	81	99	109	93	101	105	98	101
21	---	---	---	114	98	104	100	93	97	107	99	103
22	---	---	---	105	72	99	103	96	99	106	101	103
23	---	---	---	104	89	99	104	97	101	110	97	103
24	---	---	---	103	94	99	106	99	102	109	98	103
25	---	---	---	101	97	99	107	100	103	108	101	104
26	---	---	---	102	81	95	103	97	99	106	102	104
27	---	---	---	107	96	102	102	95	98	109	101	105
28	---	---	---	105	99	102	102	95	99	109	99	104
29	---	---	---	106	97	101	104	97	101	111	99	105
30	---	---	---	103	97	100	103	95	100	110	103	106
31	---	---	---	---	---	---	106	99	103	108	102	106
Month	---	---	---	---	---	---	122	90	101	111	91	102

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

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	109	102	106	114	95	107	---	---	---	100	54	76
2	111	101	106	112	97	107	---	---	---	109	41	84
3	118	104	108	112	100	107	---	---	---	107	52	91
4	115	106	110	111	81	105	---	---	---	118	56	95
5	117	104	110	113	99	107	---	---	---	127	34	82
6	112	103	109	117	99	107	---	---	---	142	29	91
7	113	103	107	115	83	103	---	---	---	---	---	---
8	112	101	108	108	98	102	---	---	---	---	---	---
9	113	103	108	109	99	102	---	---	---	---	---	---
10	108	100	104	111	84	101	86	65	81	---	---	---
11	110	99	103	115	80	98	107	75	87	---	---	---
12	109	97	104	118	81	104	111	79	101	---	---	---
13	109	99	105	111	73	93	106	72	95	---	---	---
14	106	98	102	103	73	87	105	91	98	---	---	---
15	105	96	102	106	77	90	99	92	97	---	---	---
16	104	100	102	---	---	---	102	93	98	---	---	---
17	103	98	101	---	---	---	106	93	99	---	---	---
18	104	100	102	---	---	---	108	64	92	---	---	---
19	105	99	101	---	---	---	106	60	90	---	---	---
20	105	98	101	---	---	---	100	65	78	95	68	87
21	105	99	102	---	---	---	98	73	86	97	82	88
22	104	100	102	---	---	---	102	85	91	98	59	86
23	106	95	101	---	---	---	104	92	97	90	61	79
24	110	95	102	---	---	---	112	44	94	95	69	87
25	107	91	101	---	---	---	103	43	78	98	32	88
26	104	96	101	---	---	---	108	45	76	94	25	60
27	104	99	101	---	---	---	99	45	76	95	34	78
28	104	95	100	---	---	---	99	42	75	90	54	80
29	105	93	97	---	---	---	108	47	92	95	78	84
30	---	---	---	---	---	---	113	87	99	96	45	83
31	---	---	---	---	---	---	---	---	---	98	56	84
Month	118	91	104	---	---	---	---	---	---	---	---	---

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

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	94	79	87	109	79	92	93	29	78	103	72	88
2	101	39	82	---	---	---	102	20	69	119	14	91
3	96	40	76	---	---	---	102	45	86	119	1	91
4	99	58	88	103	30	89	102	18	65	---	---	---
5	96	69	84	94	75	84	107	31	84	---	---	---
6	102	60	73	92	65	84	109	69	97	---	---	---
7	107	45	76	95	77	87	111	66	93	---	---	---
8	104	46	78	91	75	85	104	12	74	---	---	---
9	109	36	81	88	61	77	93	12	42	---	---	---
10	107	25	78	97	62	81	92	20	70	---	---	---
11	116	22	84	99	55	75	95	60	79	126	35	80
12	104	21	66	102	53	83	104	53	92	124	95	107
13	90	4	49	100	53	86	97	50	82	122	65	100
14	96	22	73	101	68	88	96	64	82	123	24	91
15	97	40	81	96	87	92	96	22	77	116	57	94
16	96	58	86	98	79	90	104	13	77	116	57	101
17	105	75	86	101	82	91	80	4	36	107	75	93
18	98	57	86	102	83	92	84	27	61	122	44	90
19	105	39	76	101	85	93	83	52	74	104	74	91
20	95	28	61	94	86	90	103	50	68	103	76	90
21	90	52	72	106	79	89	106	74	90	110	38	77
22	102	29	74	97	80	88	116	87	101	110	30	65
23	91	28	66	93	37	77	118	83	101	107	71	96
24	100	41	81	100	65	83	122	64	99	101	86	96
25	109	42	75	99	78	88	118	82	102	100	92	96
26	---	---	---	124	59	88	112	68	94	102	65	84
27	---	---	---	104	90	98	102	88	96	103	14	68
28	---	---	---	117	10	88	105	61	90	102	1	27
29	110	78	93	111	7	64	102	45	80	64	1	24
30	102	85	92	109	67	96	116	51	82	51	1	23
31	---	---	---	103	29	87	110	53	90	---	---	---
Month	---	---	---	---	---	---	122	4	81	---	---	---