

0208453300 PAMLICO RIVER AT CHANNEL LIGHT 5 AT CORE POINT, NC

Pamlico Basin
Pamlico Subbasin

LOCATION.--Lat 35°25'52", long 76°50'29" referenced to North American Datum of 1983, Beaufort County, NC, Hydrologic Unit 03020104, on U.S. Coast Guard Channel Light 5.

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 21, 1999. The monitor was removed on September 16, 2003, to prevent possible destruction of the equipment during Hurricane Isabel. It was reinstalled on September 20, 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, 21.1 ppt, January 8, 2008; minimum recorded, <0.1 ppt, on many days during the period.

SALINITY (BOTTOM): Maximum recorded, 21.5 ppt, January 7, 2008; minimum recorded, <0.1 ppt, on many days during the period.

pH (TOP): Maximum recorded, 9.5 standard units, June 8, 2005; minimum recorded, 6.2 standard units, October 22, 23, 24, 1999.

pH (BOTTOM): Maximum recorded, 9.1 standard units, May 20, 22, 2004; minimum recorded, 5.9 standard units, October 23, 1999.

WATER TEMPERATURE (TOP): Maximum recorded, 33.1°C, July 31, 1999; minimum recorded, 0.0°C, December 3, 1989, January 24, 2003.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 31.6°C, August 15, 2005; minimum recorded, 0.1°C, January 24, 2003.

DISSOLVED OXYGEN (TOP): Maximum recorded, 18.9 mg/L, January 13, 2005; minimum recorded, <1.0 mg/L, on many days during the period.

DISSOLVED OXYGEN (BOTTOM): Maximum recorded, 18.6 mg/L, January 5, 1992; minimum recorded, <1.0 mg/L, on many days during the period.

EXTREMES FOR CURRENT YEAR.--

SALINITY (TOP): Maximum recorded, 21.1, January 8; minimum recorded, 1.9 ppt, April 9.

SALINITY (BOTTOM): Maximum recorded, 21.5 ppt, January 7; minimum recorded, 3.9 ppt, March 12.

pH (TOP): Maximum recorded, 9.4 standard units, April 25; minimum recorded, 6.8 standard units, May 11, 12.

pH (BOTTOM): Maximum recorded, 8.8 standard units, March 8; minimum recorded, 6.6 standard units, May 2, 3, June 2, 3, 12.

WATER TEMPERATURE (TOP): Maximum recorded, 31.4°C, August 5, 6; minimum recorded, 4.5°C, January 27.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 30.5°C, July 31; minimum recorded, 5.6°C, January 22.

DISSOLVED OXYGEN (TOP): Maximum recorded, 13.8 mg/L, February 25; minimum recorded, 0.0 mg/L, June 12.

DISSOLVED OXYGEN (BOTTOM): Maximum recorded, 13.4 mg/L, March 1; minimum recorded, 0.0 mg/L, on several days during the year.

DISSOLVED OXYGEN, PERCENT SATURATION (TOP): Maximum recorded, 169%, September 28; minimum recorded, 0%, June 12.

DISSOLVED OXYGEN, PERCENT SATURATION (BOTTOM): Maximum recorded, 128%, March 1; minimum recorded, 0%, on several days during the year.

0208453300 PAMLICO RIVER AT CHANNEL LIGHT 5 AT CORE POINT, NC—Continued

**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	12.9	12.2	12.5	15.6	15.1	15.3	18.5	17.3	17.8	17.8	16.1	16.7
2	12.6	12.1	12.4	15.7	14.1	15.3	18.4	17.9	18.2	16.2	13.7	15.0
3	13.0	11.9	12.3	15.7	14.5	14.9	18.5	17.1	17.9	16.6	14.0	15.2
4	12.9	12.4	12.6	16.1	13.7	14.9	18.1	17.0	17.6	18.5	14.8	17.0
5	13.1	12.6	12.8	15.3	13.6	14.5	18.2	17.7	18.0	20.3	13.9	17.7
6	13.1	12.4	12.6	14.9	14.2	14.6	18.6	17.9	18.1	19.9	14.0	18.0
7	13.1	11.5	12.4	14.9	14.5	14.7	18.6	18.1	18.3	19.9	16.5	18.8
8	12.9	10.9	11.7	14.9	14.4	14.7	18.3	17.4	17.9	21.1	15.7	18.5
9	12.6	11.1	11.7	15.3	14.3	14.6	19.0	17.1	17.9	19.7	15.4	17.7
10	16.1	10.9	11.9	16.5	14.2	15.0	18.1	17.0	17.4	20.5	17.7	18.9
11	14.0	11.9	12.6	17.0	14.4	15.2	19.5	17.1	17.8	19.2	16.8	17.9
12	15.4	12.5	14.0	17.1	14.5	16.0	19.2	17.6	18.1	17.7	16.1	16.9
13	15.7	14.3	15.1	16.3	15.0	15.6	18.8	17.8	18.2	17.8	16.7	17.3
14	16.1	13.6	14.8	19.1	15.8	16.9	18.6	17.9	18.2	17.0	15.1	15.9
15	16.7	14.7	15.9	18.9	15.9	17.1	19.0	18.4	18.7	16.4	14.7	15.4
16	16.3	15.5	15.8	17.5	17.0	17.3	18.8	17.7	18.3	17.7	15.1	16.4
17	16.4	15.1	15.6	17.8	17.4	17.5	18.8	17.5	18.2	18.1	16.5	17.1
18	15.9	15.3	15.6	17.7	17.5	17.5	18.5	17.9	18.1	17.1	16.6	16.9
19	15.9	15.5	15.8	18.1	17.4	17.5	18.3	17.5	17.8	17.2	16.2	16.8
20	15.9	15.5	15.7	18.0	17.2	17.6	18.1	17.1	17.5	17.3	15.1	15.8
21	15.7	15.3	15.6	17.9	16.7	17.2	18.8	17.5	18.2	18.6	15.4	16.7
22	15.7	15.2	15.4	18.6	17.0	17.7	18.9	18.4	18.6	18.1	16.8	17.5
23	15.7	15.4	15.5	17.9	17.3	17.5	18.7	18.1	18.5	16.9	16.3	16.6
24	15.6	15.5	15.5	18.9	17.5	18.0	18.4	17.7	18.2	17.7	16.0	16.6
25	15.6	15.3	15.5	18.6	17.5	18.0	18.3	17.3	17.9	17.9	15.4	16.5
26	15.6	15.4	15.5	19.0	17.7	18.1	18.8	17.3	18.1	17.4	15.5	16.7
27	15.6	15.1	15.4	18.6	17.7	18.0	18.8	17.0	17.8	18.2	13.1	15.7
28	15.8	14.9	15.3	18.2	17.7	18.0	18.9	16.9	18.1	18.2	14.6	16.3
29	15.9	14.7	15.2	18.1	17.3	17.8	18.1	17.4	17.7	18.1	15.5	16.6
30	15.9	15.1	15.5	18.3	17.5	17.8	18.1	16.9	17.5	18.4	15.9	17.1
31	15.8	15.4	15.6	---	---	---	17.7	16.7	17.3	17.9	16.7	17.1
Month	16.7	10.9	14.3	19.1	13.6	16.5	19.5	16.7	18.0	21.1	13.1	16.9

0208453300 PAMLICO RIVER AT CHANNEL LIGHT 5 AT CORE POINT, NC—Continued

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	18.0	16.7	17.4	11.6	9.5	10.5	9.3	8.7	9.0	9.4	7.2	8.2
2	17.6	16.9	17.3	12.2	9.4	10.6	9.4	8.3	9.1	8.5	7.1	7.6
3	17.1	16.8	16.9	12.2	10.2	10.8	10.2	8.2	9.4	7.3	5.6	6.3
4	17.5	16.7	17.0	11.5	10.3	11.0	9.7	7.9	8.7	7.3	4.7	5.7
5	17.3	16.5	17.0	11.8	9.4	10.9	8.6	7.5	8.1	9.5	4.5	6.3
6	17.4	16.7	17.0	12.4	8.9	10	7.7	5.7	6.5	7.8	5.4	6.6
7	17.1	15.4	16.6	13.9	8.8	10.3	8.6	4.9	6.1	8.6	4.3	5.7
8	16.0	14.2	15.2	12.4	7.1	10.0	8.0	2.1	4.2	7.4	4.4	4.9
9	17.3	15.4	16.3	10.7	7.0	8.8	10.2	1.9	5.5	6.3	4.9	5.4
10	16.3	15.4	15.9	11.7	5.9	7.7	12.2	7.8	9.9	7.3	6.2	6.7
11	16.4	14.9	15.8	13.0	4.0	6.7	9.8	5.2	6.8	10.6	7.3	8.6
12	17.5	15.5	16.5	8.3	3.0	5.3	6.5	4.8	5.6	9.0	6.5	7.5
13	16.9	15.3	16.3	9.3	4.2	6.5	7.5	5.3	6.5	10.1	6.8	8.0
14	16.3	14.8	15.3	9.1	4.0	5.5	7.1	4.4	6.4	10.0	7.3	8.4
15	16.2	13.9	14.8	9.9	4.3	6.2	9.0	5.9	7.2	8.7	7.1	7.6
16	15.4	11.5	14.1	9.7	6.8	7.6	8.8	5.3	6.9	9.7	6.8	8.2
17	16.0	14.7	15.3	10.3	6.8	8.0	7.3	5.3	5.8	8.8	7.5	8.3
18	16.0	13.8	15.2	10.3	8.1	9.4	9.3	5.2	6.1	10.4	8.5	9.4
19	14.9	12.6	13.4	9.7	8.2	9.2	16.4	5.3	7.0	11.3	9.9	10.6
20	15.6	11.2	13.1	9.7	6.9	8.1	12.0	6.8	9.6	11.4	10.4	10.9
21	13.4	11.7	12.8	9.3	6.5	7.3	9.6	9.2	9.4	11.3	10.7	11.0
22	13.4	10.3	11.7	8.7	6.4	7.2	10	9.5	9.7	11.1	10.4	10.8
23	12.0	7.0	9.2	8.3	7.1	7.8	9.7	9.5	9.6	11.1	10.6	10.8
24	14.6	6.4	11.7	8.8	8.0	8.2	9.5	8.2	9.0	11.0	10.2	10.6
25	11.7	7.0	8.9	8.2	7.3	8.0	9.3	5.3	7.6	10.8	10.4	10.5
26	15.6	7.6	10.6	8.1	6.1	7.1	9.1	4.5	6.6	11.0	9.7	10.4
27	11.6	7.0	9.6	9.3	7.0	7.7	13.3	5.6	7.0	10.9	9.4	10.1
28	11.1	9.1	10.1	9.0	7.8	8.2	8.3	5.9	6.6	10.4	9.3	9.7
29	13.9	9.7	11.2	9.4	7.9	8.9	7.0	5.2	6.0	10.4	9.8	10.2
30	---	---	---	10.4	8.8	9.5	8.3	6.0	6.9	10.6	9.6	9.9
31	---	---	---	9.1	8.3	8.6	---	---	---	10.1	9.6	9.8
Month	18.0	6.4	14.2	13.9	3.0	8.4	16.4	1.9	7.4	11.4	4.3	8.5

0208453300 PAMLICO RIVER AT CHANNEL LIGHT 5 AT CORE POINT, NC—Continued

**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	10.4	9.7	10.1	13.3	12.9	13.1	13.6	12.8	13.2	16.1	15.7	15.9
2	11.7	9.6	10.1	13.5	13.1	13.2	13.9	13.0	13.4	16.1	15.5	15.8
3	11.1	10.3	10.8	13.7	13.2	13.4	14.3	13.6	14.0	16.3	15.3	15.7
4	10.8	10.4	10.5	13.7	13.2	13.4	14.7	13.9	14.3	16.5	15.4	15.7
5	10.7	9.7	10.3	13.6	13.3	13.5	14.5	13.7	14.1	---	---	---
6	10.9	9.6	10.2	13.6	13.4	13.5	14.3	13.7	14.0	17.3	14.3	16.2
7	10.0	9.5	9.8	13.7	13.3	13.5	14.8	14.0	14.5	16.3	15.0	15.5
8	10.2	9.2	9.6	13.7	13.3	13.5	16.2	14.3	15.0	16.5	14.9	15.4
9	11.7	9.1	9.5	13.7	13.4	13.5	16.3	15.3	15.7	15.6	14.9	15.2
10	11.7	9.0	9.7	13.7	12.5	13.3	16.1	15.6	15.7	15.3	14.7	15.0
11	15.5	9.8	11.1	13.9	12.2	13.0	15.9	15.5	15.7	15.3	14.9	15.0
12	12.4	11.1	11.7	13.4	12.2	12.5	16.5	15.6	15.8	15.3	14.9	15.0
13	12.6	11.7	12.0	13.7	12.1	12.9	16.6	15.5	15.9	15.3	12.4	13.8
14	12.2	11.8	11.9	13.1	11.8	12.5	16.0	15.7	15.9	14.2	11.5	12.3
15	12.2	11.5	11.9	13.5	11.1	11.8	16.2	15.7	15.8	13.1	11.4	11.9
16	12.5	11.7	12.0	14.3	11.3	12.8	16.1	15.7	15.9	15.7	11.7	12.8
17	12.2	11.8	12.0	14.4	12.2	13.4	16.5	15.5	15.8	15.1	13.1	14.1
18	12.8	12.0	12.4	13.7	12.8	13.3	16.3	15.4	15.8	15.0	14.0	14.3
19	12.6	11.8	12.1	13.7	12.3	13.2	16.3	15.7	16.0	17.0	14.3	16.0
20	12.8	12.0	12.4	13.8	12.4	13.5	16.2	15.6	15.9	16.9	14.7	15.9
21	13.6	12.4	12.9	13.1	12.0	12.5	16.4	15.9	16.2	16.2	14.1	15.1
22	14.2	12.4	12.7	12.6	11.4	12.0	16.8	16.1	16.4	16.8	13.7	15.1
23	13.9	12.4	13.0	13.5	12.0	12.7	16.7	15.9	16.1	17.3	15.0	16.4
24	13.3	12.7	12.9	13.0	11.8	12.4	16.5	15.9	16.1	17.4	16.7	17.2
25	13.9	12.6	13.1	13.1	12.3	12.6	16.5	15.9	16.1	17.3	15.7	16.8
26	13.0	12.7	12.8	14.1	12.4	12.8	16.5	16.0	16.2	16.7	16.3	16.5
27	13.0	12.8	12.9	12.9	12.2	12.5	16.7	16.1	16.4	16.6	15.3	16.0
28	13.3	12.9	13.0	12.4	11.3	11.9	16.7	15.9	16.4	16.1	13.7	14.6
29	13.3	12.9	13.2	13.5	11.5	12.3	16.6	15.6	16.1	17.9	13.3	15.0
30	13.3	13.0	13.2	12.8	11.5	11.8	16.1	15.3	15.8	17.6	14.8	16.4
31	---	---	---	13.0	11.7	12.2	16.0	15.1	15.7	---	---	---
Month	15.5	9.0	11.7	14.4	11.1	12.9	16.8	12.8	15.5	---	---	---

0208453300 PAMLICO RIVER AT CHANNEL LIGHT 5 AT CORE POINT, 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	16.3	12.4	12.8	15.6	15.2	15.4	18.9	17.3	18.2	19.7	16.2	17.8
2	14.3	12.3	12.8	15.8	14.1	15.4	18.9	18.0	18.6	18.1	14.5	16.2
3	13.9	12.1	12.7	16.5	14.5	15.5	18.6	17.0	17.9	19.6	15.2	17.9
4	13.1	12.4	12.7	16.4	15.0	16.1	18.4	17.0	17.8	20.7	19.4	19.8
5	13.2	12.5	12.9	17.6	14.3	16.3	18.6	17.7	18.1	21.4	20.7	21.2
6	13.0	12.4	12.7	17.6	14.7	16.0	18.6	17.7	18.2	21.4	20.8	21.4
7	14.9	12.2	12.9	20.5	14.7	17.5	18.4	18.1	18.3	21.5	21.1	21.4
8	15.5	11.8	14.3	21.0	14.7	19.4	18.8	18.1	18.5	21.4	19.4	21.2
9	16.1	12.2	15.0	21.2	19.7	20.7	19.0	18.2	18.8	21.2	18.2	20.9
10	18.8	13.2	16.7	21.2	14.4	18.1	19.0	18.1	18.8	21.2	20.7	21.1
11	19.5	12.2	17.1	20.2	15.4	18.2	19.5	18.6	19.2	21.1	18.2	20.3
12	19.5	13.1	17.1	19.1	18.4	18.8	19.3	18.0	18.8	20.9	19.8	20.7
13	18.6	15.4	17.8	19.2	17.2	18.6	19.6	17.8	18.9	20.7	17.2	19.1
14	18.4	16.3	17.7	19.4	19.1	19.3	19.8	18.0	18.8	20.3	16.1	17.9
15	18.0	16.2	17.3	19.4	16.9	18.5	19.6	18.4	18.9	20.5	15.0	17.2
16	17.0	15.5	16.2	17.8	17.0	17.4	18.8	17.6	18.3	19.6	16.2	18.7
17	16.9	15.5	16.3	18.9	17.4	18.1	18.7	17.5	18.2	19.5	16.7	18.2
18	16.5	15.7	16.1	18.8	17.5	17.9	18.8	17.9	18.2	17.9	16.7	17.2
19	16.2	15.7	16.0	19.2	17.4	18.4	19.2	17.7	18.4	18.6	16.5	17.5
20	16.0	15.6	15.8	19.2	17.5	18.3	19.7	18.6	19.4	19.1	15.6	17.2
21	15.9	15.7	15.8	19.6	17.9	19.2	19.7	18.2	18.9	18.7	16.5	18.3
22	15.8	15.3	15.6	---	---	---	19.0	18.6	18.8	18.5	17.3	18.1
23	15.7	15.5	15.6	---	---	---	18.8	18.1	18.6	19.6	16.5	18.1
24	15.7	15.6	15.6	---	---	---	18.8	18.1	18.4	19.6	16.1	18.0
25	15.7	15.4	15.6	---	---	---	19.0	17.7	18.6	19.2	16.3	17.3
26	15.7	15.6	15.6	---	---	---	19.0	17.4	18.2	18.6	17.9	18.5
27	15.7	15.2	15.5	---	---	---	19.0	17.8	18.7	18.7	18.1	18.5
28	15.9	15.1	15.4	---	---	---	19.2	18.2	18.9	18.9	18.0	18.4
29	16.2	14.8	15.4	19.8	17.5	18.2	18.8	17.6	18.3	19.4	18.4	19.0
30	16.1	15.3	15.7	18.9	17.5	18.1	18.8	17.7	18.5	19.5	16.6	18.2
31	15.8	15.4	15.7	---	---	---	19.9	17.0	18.3	18.3	16.9	17.5
Month	19.5	11.8	15.3	---	---	---	19.9	17.0	18.5	21.5	14.5	18.8

0208453300 PAMLICO RIVER AT CHANNEL LIGHT 5 AT CORE POINT, 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	18.5	16.7	17.5	16.3	9.7	12.2	11.0	8.8	9.4	16.0	9.2	12.4
2	17.7	16.9	17.5	16.9	11.9	15.0	9.8	8.5	9.1	15.7	8.5	12.5
3	17.7	17.3	17.5	13.8	10.9	12.5	10.2	8.4	9.5	15.6	10.2	14.0
4	18.0	17.3	17.8	14.9	11.3	12.3	10.9	8.5	9.3	14.8	13.8	14.3
5	17.9	16.8	17.4	14.9	10.2	11.6	11.0	8.1	9.2	14.8	12.9	14.4
6	17.9	16.9	17.3	14.0	12.1	13.5	11.9	7.1	10.4	14.1	11.8	13.8
7	17.5	16.8	17.1	14.2	11.8	13.2	12.3	9.7	11.2	14.2	11.7	13.7
8	18.3	15.2	17.4	13.0	7.2	11.0	13.7	9.7	12.3	14.2	9.3	13.6
9	18.3	16.1	17.4	11.8	7.3	9.8	14.2	13.3	13.9	14.1	6.2	11.6
10	17.7	15.5	16.1	13.8	8.8	12.8	13.9	10.7	13.3	13.7	6.5	12.1
11	17.3	15.2	16.4	13.2	9.6	12.5	12.9	9.6	11.7	13.4	8.0	11.2
12	17.7	16.5	17.1	14.9	3.9	11.8	13.0	6.5	11.4	9.0	6.6	7.5
13	17.1	15.4	16.4	15.3	11.1	14.3	17.9	6.4	13.3	10.1	7.0	8.6
14	17.5	14.9	16.1	16.5	11.3	14.7	17.8	5.9	15.7	11.1	8.3	9.6
15	17.6	15.1	16.8	17.5	6.8	15.3	17.9	6.7	16.4	13.0	8.5	10.9
16	17.9	16.3	17.4	15.5	7.1	10.1	17.9	11.1	15.4	13.5	7.5	11.4
17	17.4	15.4	16.6	15.3	8.0	13.9	17.5	10.2	15.3	17.4	7.5	15.3
18	17.4	14.5	16.0	14.0	8.4	11.2	17.5	15.2	16.7	17.2	10.0	14.4
19	15.2	12.8	13.9	11.7	9.3	10	17.7	12.8	16.4	16.1	10.5	11.9
20	16.1	12.1	14.4	10.2	7.1	8.4	16.8	9.7	14.0	16.3	11.1	12.6
21	14.0	12.0	13.1	11.7	7.9	10.2	12.6	9.2	10.4	11.8	10.7	11.1
22	14.2	11.4	13.0	11.3	7.1	9.4	10.0	9.5	9.7	12.4	10.6	11.0
23	16.1	11.8	14.7	13.8	7.1	10.2	9.7	9.6	9.6	11.3	10.6	11.0
24	16.4	14.5	15.9	10.4	8.0	8.8	10.4	8.9	9.4	11.3	10.5	11.0
25	16.5	14.4	15.6	11.3	8.0	9.1	14.2	8.6	10.4	11.4	10.4	10.9
26	16.6	11.8	15.7	13.2	8.2	10	14.2	9.0	12.3	11.6	10.6	11.1
27	15.9	7.2	11.5	13.9	7.7	10.8	14.2	8.5	13.5	12.0	10	10.9
28	13.5	9.2	11.4	13.1	8.7	10.3	13.2	8.2	11.9	12.8	9.4	10.3
29	14.3	11.1	13.7	13.9	8.3	9.5	14.2	6.4	11.1	13.0	10	10.9
30	---	---	---	10.4	9.0	9.6	16.2	7.3	14.0	11.8	9.9	10.8
31	---	---	---	10.2	8.3	8.9	---	---	---	12.0	9.8	11.1
Month	18.5	7.2	15.8	17.5	3.9	11.4	17.9	5.9	12.2	17.4	6.2	11.8

0208453300 PAMLICO RIVER AT CHANNEL LIGHT 5 AT CORE POINT, 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	12.0	10.2	10.8	13.3	13.0	13.2	18.7	13.3	17.7	16.1	15.7	15.9
2	13.3	10.2	12.2	14.7	13.1	13.4	18.8	16.1	18.3	16.2	15.5	15.9
3	12.3	10.9	11.6	14.7	13.3	13.7	18.7	14.2	17.4	16.7	15.3	15.9
4	12.0	10.6	11.1	13.7	13.3	13.5	18.7	15.7	17.8	16.9	15.5	16.1
5	11.5	10.2	11.0	13.7	13.3	13.6	18.3	14.1	17.3	---	---	---
6	12.4	10.2	11.4	13.7	13.5	13.6	18.5	14.7	17.4	17.3	14.9	16.3
7	13.2	10.9	12.4	14.1	13.4	13.7	19.7	14.7	17.8	16.5	15.1	15.9
8	13.6	11.6	12.9	14.0	13.4	13.7	19.8	14.4	17.0	16.7	15.5	16.4
9	15.5	12.8	14.1	13.8	13.4	13.5	18.5	15.7	16.9	16.4	15.5	15.9
10	16.2	14.0	14.9	13.8	13.0	13.5	16.7	15.6	16.0	---	---	---
11	17.4	13.2	15.8	14.8	12.2	13.4	16.3	15.5	15.9	17.0	14.8	15.5
12	15.4	11.7	13.9	14.4	13.3	13.7	16.6	15.8	16.1	17.0	14.9	16.0
13	13.5	11.7	12.2	14.9	13.2	14.1	16.7	15.8	16.2	17.1	14.2	15.4
14	13.2	11.8	12.2	14.9	12.0	13.7	16.1	15.8	16.0	17.4	15.9	17.0
15	12.8	11.5	12.1	15.3	13.0	14.7	16.4	15.8	16.0	19.2	15.7	17.7
16	14.6	11.8	12.8	15.2	13.0	14.2	16.2	15.7	16.0	19.2	16.7	18.4
17	14.9	11.9	12.6	14.9	13.0	14.0	17.3	15.7	16.2	19.2	15.1	18.4
18	15.4	12.2	13.9	14.4	13.2	13.6	16.6	15.7	16.1	20.3	14.0	18.0
19	15.4	12.5	13.8	13.8	13.0	13.5	16.5	15.9	16.1	18.3	15.3	16.3
20	14.9	12.3	13.6	13.9	12.7	13.5	16.3	15.7	16.0	16.8	15.4	16.1
21	14.3	12.8	13.9	14.8	12.4	13.3	16.5	16.0	16.3	17.0	15.5	16.4
22	14.9	12.8	13.5	14.7	12.6	13.7	16.9	16.1	16.5	16.8	15.9	16.6
23	14.1	12.8	13.4	14.9	12.9	14.1	16.8	15.9	16.2	17.2	15.7	16.7
24	13.6	12.8	13.2	13.9	12.0	12.9	16.6	16.0	16.2	17.4	16.7	17.1
25	14.1	13.1	13.5	14.5	12.4	13.6	16.7	16.0	16.2	17.3	15.9	16.8
26	14.4	12.9	13.5	14.6	13.0	13.8	16.5	16.1	16.3	16.8	16.4	16.6
27	13.9	12.9	13.2	14.4	12.4	13.3	16.8	16.3	16.5	16.6	15.9	16.3
28	14.1	13.0	13.2	17.3	12.1	14.8	16.9	16.2	16.5	16.7	15.9	16.3
29	13.4	13.1	13.3	17.2	14.1	15.4	16.6	15.7	16.2	20.3	16.5	18.6
30	13.7	13.1	13.3	17.9	14.7	16.8	16.3	15.4	15.9	21.3	16.7	19.3
31	---	---	---	18.9	12.2	17.5	16.2	15.3	15.7	---	---	---
Month	17.4	10.2	13.0	18.9	12.0	14.0	19.8	13.3	16.5	---	---	---

0208453300 PAMLICO RIVER AT CHANNEL LIGHT 5 AT CORE POINT, 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	8.0	7.8	7.9	7.9	7.7	7.8	8.2	8.1	8.1	7.9	7.9	7.9
2	8.0	7.8	7.9	7.9	7.8	7.8	8.1	8.1	8.1	8.0	7.8	7.9
3	8.1	7.8	7.8	7.9	7.7	7.8	8.1	8.0	8.1	8.0	7.9	7.9
4	8.2	7.9	8.1	8.0	7.8	7.9	8.1	8.0	8.0	8.0	7.9	8.0
5	8.2	8.0	8.1	8.0	7.8	8.0	8.1	8.0	8.0	8.1	8.0	8.0
6	8.2	8.0	8.0	8.0	7.9	7.9	8.1	8.0	8.0	8.1	7.9	8.0
7	8.3	7.9	8.1	8.0	7.8	7.9	8.1	8.0	8.1	8.1	7.9	8.0
8	8.3	8.0	8.1	8.0	7.8	7.9	8.1	8.0	8.0	8.1	7.9	8.0
9	8.3	7.9	8.1	8.0	7.9	8.0	8.1	8.0	8.0	8.1	8.0	8.1
10	8.0	7.3	7.9	8.0	7.8	7.9	8.1	8.0	8.0	8.1	8.0	8.0
11	7.9	7.7	7.8	7.9	7.8	7.8	8.1	8.0	8.0	8.1	8.0	8.0
12	7.9	7.5	7.6	7.9	7.7	7.8	8.1	8.1	8.1	8.1	8.0	8.0
13	8.0	7.6	7.8	7.9	7.8	7.9	8.2	8.1	8.1	8.1	8.0	8.0
14	8.0	7.6	7.8	7.9	7.7	7.8	8.2	8.1	8.1	8.2	8.0	8.1
15	8.0	7.6	7.8	7.8	7.7	7.8	8.2	8.2	8.2	8.2	8.0	8.1
16	8.0	7.5	7.9	7.7	7.6	7.7	8.2	8.1	8.1	8.1	8.0	8.1
17	8.0	7.2	7.8	7.7	7.6	7.7	8.2	8.0	8.1	8.1	8.0	8.0
18	7.8	7.4	7.6	7.8	7.7	7.8	8.2	8.1	8.2	8.1	7.9	8.0
19	7.8	7.4	7.6	7.9	7.7	7.8	8.2	8.2	8.2	8.0	8.0	8.0
20	7.8	7.4	7.6	7.9	7.7	7.8	8.2	8.0	8.2	8.1	7.9	8.0
21	7.9	7.6	7.7	7.9	7.7	7.8	8.0	7.9	8.0	8.0	8.0	8.0
22	7.8	7.6	7.7	7.8	7.7	7.8	8.0	7.9	7.9	8.0	8.0	8.0
23	7.7	7.6	7.6	7.8	7.8	7.8	8.0	7.9	7.9	8.0	8.0	8.0
24	7.7	7.6	7.7	7.9	7.8	7.8	8.0	7.9	7.9	8.0	8.0	8.0
25	7.8	7.6	7.7	7.8	7.8	7.8	8.0	7.9	8.0	8.1	8.0	8.0
26	7.7	7.6	7.6	7.8	7.8	7.8	8.0	7.9	7.9	8.1	8.0	8.0
27	7.6	7.6	7.6	7.8	7.7	7.8	8.0	7.8	7.9	8.3	8.0	8.2
28	7.7	7.5	7.6	7.9	7.8	7.8	8.0	7.9	7.9	8.2	8.0	8.1
29	7.8	7.6	7.7	7.9	7.8	7.8	7.9	7.9	7.9	8.2	8.0	8.1
30	7.9	7.7	7.7	8.2	7.8	8.1	7.9	7.9	7.9	8.2	8.0	8.1
31	7.9	7.7	7.8	---	---	---	7.9	7.8	7.9	8.1	8.0	8.0
Max	8.3	8.0	8.1	8.2	7.9	8.1	8.2	8.2	8.2	8.3	8.0	8.2
Min	7.6	7.2	7.6	7.7	7.6	7.7	7.9	7.8	7.9	7.9	7.8	7.9

0208453300 PAMLICO RIVER AT CHANNEL LIGHT 5 AT CORE POINT, 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	8.6	8.3	8.4	7.5	7.4	7.5	8.3	7.4	8.0
2	8.0	7.9	8.0	8.6	8.4	8.5	7.6	7.4	7.5	8.4	7.6	8.2
3	8.0	8.0	8.0	8.7	8.4	8.5	7.6	7.5	7.5	8.4	8.2	8.3
4	8.0	8.0	8.0	8.7	8.4	8.5	7.7	7.4	7.5	8.5	7.9	8.2
5	8.0	7.9	8.0	8.7	8.3	8.5	7.9	7.5	7.6	8.4	7.1	8.1
6	8.0	7.9	7.9	9.0	8.2	8.7	7.9	7.4	7.6	8.4	7.3	8.2
7	8.0	7.8	7.9	8.9	7.8	8.6	8.3	7.5	7.8	8.6	7.7	8.3
8	8.1	7.9	8.0	8.6	7.9	8.4	8.5	7.7	8.0	8.5	7.2	8.4
9	8.0	7.8	7.9	8.7	8.1	8.5	7.9	7.1	7.5	8.1	7.6	8.0
10	7.9	7.8	7.8	8.8	8.0	8.6	8.3	7.0	7.9	8.0	7.2	7.4
11	7.9	7.7	7.8	9.0	7.6	8.6	8.8	7.1	8.3	7.4	6.8	7.1
12	7.8	7.7	7.8	8.9	8.2	8.6	8.8	7.6	8.3	7.3	6.8	7.2
13	7.8	7.7	7.8	8.6	7.8	8.3	8.7	7.4	7.8	7.5	7.1	7.2
14	8.1	7.6	7.7	8.6	8.0	8.3	8.8	7.8	8.1	7.6	7.2	7.4
15	8.2	8.0	8.1	8.4	7.4	7.8	8.6	8.3	8.4	7.5	7.2	7.4
16	8.2	8.1	8.1	8.0	7.3	7.6	8.6	8.2	8.5	7.6	7.1	7.3
17	8.1	8.0	8.1	8.2	7.4	7.7	9.0	8.5	8.7	7.6	7.1	7.4
18	8.0	7.9	8.0	8.2	8.0	8.1	9.2	8.4	9.0	7.5	7.2	7.3
19	8.0	7.9	8.0	8.2	7.9	8.0	9.1	7.3	8.9	7.7	7.2	7.3
20	8.1	7.9	8.0	8.0	7.6	7.8	8.9	7.9	8.3	7.7	7.4	7.5
21	8.1	8.0	8.0	8.4	7.6	7.8	8.7	8.2	8.3	7.7	7.3	7.5
22	8.1	8.0	8.0	8.4	8.0	8.2	8.6	8.2	8.3	7.6	7.3	7.5
23	8.1	7.9	8.0	8.2	7.8	8.1	8.7	8.3	8.5	7.8	7.2	7.3
24	8.2	7.8	7.9	8.2	7.9	8.1	9.0	8.3	8.6	7.5	7.2	7.4
25	8.6	8.0	8.3	8.3	8.0	8.1	9.4	8.4	8.7	8.0	7.0	7.4
26	8.4	7.7	8.3	8.4	8.2	8.2	8.7	8.3	8.5	8.0	7.0	7.6
27	8.3	7.6	8.0	8.3	7.9	8.1	8.8	7.7	8.2	7.8	7.4	7.7
28	8.2	7.7	8.0	8.2	7.9	8.0	8.6	8.0	8.4	7.8	7.4	7.6
29	8.5	8.0	8.2	8.0	7.7	7.7	8.5	8.1	8.2	7.9	7.3	7.5
30	---	---	---	7.7	7.5	7.6	8.5	7.6	8.2	7.6	7.3	7.4
31	---	---	---	7.5	7.4	7.5	---	---	---	7.7	7.3	7.4
Max	8.6	8.1	8.3	9.0	8.4	8.7	9.4	8.5	9.0	8.6	8.2	8.4
Min	7.8	7.6	7.7	7.5	7.3	7.5	7.5	7.0	7.5	7.3	6.8	7.1

0208453300 PAMLICO RIVER AT CHANNEL LIGHT 5 AT CORE POINT, 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	8.0	7.4	7.8	7.9	7.4	7.7	8.4	7.8	8.2	8.1	7.9	8.0
2	8.1	7.3	7.8	8.2	7.5	7.7	8.4	8.0	8.1	8.2	7.9	8.1
3	7.9	7.6	7.8	8.0	7.8	7.9	8.3	7.9	8.0	8.2	7.8	8.1
4	7.8	7.6	7.7	8.0	7.8	7.9	8.4	7.9	8.1	8.3	7.6	8.0
5	8.1	7.2	7.7	8.0	7.6	7.8	8.5	8.0	8.3	---	---	---
6	8.1	7.3	7.9	7.9	7.7	7.8	8.5	8.1	8.3	7.9	7.4	7.7
7	8.0	7.6	7.9	8.0	7.7	7.8	8.3	8.1	8.2	7.9	7.5	7.6
8	8.0	7.5	7.8	8.0	7.7	7.9	8.2	7.4	7.9	7.8	7.3	7.8
9	7.9	7.0	7.8	8.0	7.6	7.8	7.8	7.3	7.6	7.8	7.4	7.6
10	7.9	7.1	7.6	8.0	7.6	7.7	7.6	7.2	7.4	8.1	7.6	7.9
11	7.9	6.9	7.4	7.9	7.4	7.8	7.6	7.3	7.4	8.1	7.8	7.9
12	8.2	7.1	7.6	7.8	7.6	7.7	7.9	7.5	7.6	8.1	7.8	8.0
13	7.9	7.3	7.5	7.8	7.4	7.7	7.8	7.4	7.5	8.3	7.9	8.0
14	8.0	7.4	7.6	8.0	7.7	7.9	7.8	7.4	7.5	8.2	7.8	8.0
15	8.1	7.5	7.8	7.9	7.3	7.8	7.9	7.6	7.7	8.2	7.9	8.0
16	8.4	7.5	7.9	8.0	7.7	7.8	7.8	7.6	7.7	8.2	7.3	7.9
17	8.4	7.9	8.2	8.0	7.7	7.8	7.8	7.5	7.7	7.9	7.2	7.8
18	8.6	7.9	8.2	8.0	7.7	7.9	7.8	7.4	7.6	8.0	7.2	7.7
19	8.4	8.1	8.3	7.9	7.5	7.7	7.9	7.5	7.6	7.8	7.2	7.6
20	8.3	7.8	8.1	7.8	7.5	7.7	8.2	7.6	7.9	7.6	7.2	7.4
21	8.4	7.5	7.9	8.1	7.5	7.8	8.2	7.9	8.0	7.8	7.2	7.6
22	8.3	7.3	8.0	8.1	7.6	7.9	8.2	8.0	8.1	7.9	7.3	7.6
23	7.9	7.4	7.7	8.0	7.4	7.8	8.2	8.0	8.1	7.8	7.6	7.6
24	8.2	7.5	7.8	8.1	7.4	7.8	8.2	8.0	8.1	7.9	7.6	7.8
25	8.2	7.3	7.8	8.1	7.4	7.8	8.2	7.9	8.1	8.0	7.8	7.9
26	7.9	7.6	7.8	8.3	7.0	7.9	8.1	7.9	8.0	8.0	7.8	7.9
27	7.8	7.3	7.6	8.1	7.8	8.0	8.1	8.0	8.0	7.9	7.5	7.7
28	7.9	7.4	7.6	8.4	8.0	8.1	8.1	7.8	7.9	8.3	7.4	7.7
29	7.7	7.2	7.4	8.3	7.6	8.1	8.1	7.7	7.9	8.1	7.3	7.8
30	7.7	7.3	7.4	8.6	8.0	8.3	8.2	7.4	7.9	8.2	7.4	7.6
31	---	---	---	8.5	8.1	8.3	8.2	7.9	8.0	---	---	---
Max	8.6	8.1	8.3	8.6	8.1	8.3	8.5	8.1	8.3	---	---	---
Min	7.7	6.9	7.4	7.8	7.0	7.7	7.6	7.2	7.4	---	---	---

0208453300 PAMLICO RIVER AT CHANNEL LIGHT 5 AT CORE POINT, 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	8.3	7.4	8.1	8.1	7.7	7.8	8.0	7.9	8.0	8.0	7.9	8.0
2	8.2	7.7	8.1	8.0	8.0	8.0	8.0	7.9	8.0	8.0	8.0	8.0
3	8.2	7.6	8.1	8.1	7.9	8.0	8.0	7.9	8.0	8.0	7.9	8.0
4	8.3	7.9	8.1	8.1	7.8	8.0	7.9	7.8	7.9	8.0	8.0	8.0
5	8.4	8.2	8.3	8.1	7.7	7.8	7.9	7.9	7.9	8.1	8.0	8.0
6	8.3	8.0	8.2	8.2	7.7	8.0	8.0	7.8	7.9	8.1	8.0	8.0
7	8.3	7.4	8.2	8.1	7.5	7.8	8.0	7.9	7.9	8.1	8.0	8.0
8	8.1	7.3	7.6	8.1	7.5	7.6	7.9	7.8	7.8	8.1	8.0	8.1
9	8.2	7.4	7.6	7.6	7.4	7.5	7.9	7.8	7.9	8.2	8.0	8.1
10	7.9	7.4	7.6	8.1	7.4	7.6	8.0	7.8	7.9	8.1	8.0	8.1
11	8.0	7.3	7.4	8.1	7.5	8.0	7.9	7.9	7.9	8.2	8.0	8.1
12	7.8	7.4	7.4	8.0	7.7	7.9	8.0	7.9	7.9	8.1	8.0	8.0
13	7.8	7.3	7.4	8.0	7.8	7.9	8.0	7.9	8.0	8.2	8.0	8.0
14	7.8	7.3	7.3	8.0	7.6	7.7	8.0	7.9	8.0	8.2	7.9	8.1
15	7.9	7.3	7.3	7.7	7.6	7.6	8.0	7.9	8.0	8.2	7.8	8.1
16	8.0	7.3	7.8	7.7	7.5	7.6	8.0	7.9	7.9	8.1	7.8	7.9
17	7.8	7.1	7.3	7.7	7.6	7.6	8.0	7.8	7.9	7.9	7.8	7.8
18	7.7	7.2	7.4	7.7	7.6	7.6	8.0	7.9	7.9	7.9	7.8	7.9
19	7.7	7.2	7.4	7.8	7.4	7.5	8.0	7.9	7.9	7.9	7.7	7.8
20	7.8	7.4	7.5	7.8	7.4	7.6	8.0	7.9	7.9	7.9	7.7	7.8
21	7.7	7.6	7.6	7.7	7.4	7.4	8.1	7.9	8.0	7.9	7.8	7.8
22	7.7	7.6	7.6	---	---	---	8.1	8.0	8.0	8.0	7.8	7.8
23	7.7	7.6	7.6	---	---	---	8.1	8.0	8.0	8.0	7.9	7.9
24	7.7	7.6	7.6	---	---	---	8.1	8.0	8.0	8.0	7.8	7.9
25	7.7	7.6	7.6	---	---	---	8.1	8.0	8.0	8.0	7.9	7.9
26	7.7	7.6	7.6	---	---	---	8.1	8.0	8.0	7.9	7.9	7.9
27	7.6	7.5	7.6	---	---	---	8.0	8.0	8.0	7.9	7.8	7.9
28	7.7	7.5	7.6	---	---	---	8.1	8.0	8.0	7.9	7.8	7.8
29	7.8	7.6	7.6	8.0	7.8	8.0	8.0	8.0	8.0	7.9	7.8	7.9
30	7.8	7.6	7.7	8.0	7.9	8.0	8.0	8.0	8.0	8.0	7.8	7.9
31	7.8	7.7	7.8	---	---	---	8.0	7.9	8.0	7.9	7.8	7.9
Max	8.4	8.2	8.3	---	---	---	8.1	8.0	8.0	8.2	8.0	8.1
Min	7.6	7.1	7.3	---	---	---	7.9	7.8	7.8	7.9	7.7	7.8

0208453300 PAMLICO RIVER AT CHANNEL LIGHT 5 AT CORE POINT, 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	7.9	7.8	7.9	8.6	7.8	8.3	7.5	7.1	7.4	7.6	6.7	6.8
2	7.9	7.8	7.8	8.4	7.6	7.8	7.6	7.3	7.5	7.9	6.6	6.7
3	7.9	7.8	7.8	8.6	7.8	8.3	7.6	7.4	7.5	7.3	6.6	6.7
4	8.0	7.7	7.8	8.6	7.5	8.3	7.5	7.3	7.4	6.8	6.7	6.7
5	8.0	7.8	7.9	8.7	7.4	8.4	7.6	7.1	7.3	6.9	6.7	6.7
6	7.9	7.8	7.9	8.3	7.7	7.9	7.3	7.0	7.0	6.8	6.7	6.7
7	8.0	7.8	7.9	8.4	7.7	8.0	7.5	6.9	7.0	6.8	6.7	6.8
8	8.0	7.8	7.8	8.8	7.8	8.1	7.5	6.9	7.0	7.0	6.7	6.8
9	7.9	7.7	7.8	8.7	8.1	8.3	7.0	6.8	6.9	7.7	6.7	6.8
10	7.9	7.7	7.8	8.6	7.8	7.9	7.3	6.7	6.8	8.0	6.7	6.8
11	7.9	7.7	7.8	8.4	7.7	7.8	7.1	6.8	6.8	7.3	6.7	6.9
12	7.8	7.8	7.8	8.5	7.6	7.8	7.5	6.7	6.8	7.4	7.0	7.3
13	7.8	7.7	7.8	7.8	7.2	7.5	7.6	6.8	6.9	7.6	7.2	7.3
14	7.9	7.7	7.7	7.9	7.2	7.2	7.4	6.7	6.8	7.6	7.1	7.3
15	7.9	7.8	7.9	7.9	7.1	7.2	7.9	6.7	6.8	7.3	7.0	7.1
16	7.8	7.7	7.8	8.0	7.0	7.4	7.1	6.8	6.9	7.7	7.0	7.1
17	7.9	7.5	7.7	7.8	7.0	7.1	7.2	6.8	6.8	7.6	7.0	7.1
18	7.9	7.6	7.7	8.2	7.0	7.5	7.0	6.7	6.8	7.8	6.9	7.1
19	7.9	7.8	7.9	8.0	7.1	7.8	7.3	6.7	6.8	7.8	6.9	7.4
20	8.0	7.8	7.9	8.0	7.5	7.8	7.7	6.7	6.9	7.8	6.9	7.3
21	8.0	7.8	7.9	7.7	7.3	7.4	8.0	6.8	7.4	7.8	7.4	7.6
22	7.9	7.7	7.9	8.3	7.2	7.6	7.8	7.5	7.6	7.8	7.0	7.6
23	7.9	7.7	7.8	8.1	7.2	7.4	8.0	7.6	7.7	7.6	7.2	7.3
24	7.9	7.6	7.8	8.2	7.3	8.1	7.9	7.1	7.7	7.5	7.0	7.2
25	7.8	7.5	7.7	8.1	7.1	8.0	7.7	6.7	7.2	7.5	6.9	7.1
26	8.1	7.6	7.7	8.1	7.3	7.7	7.2	6.7	6.9	7.6	6.9	7.0
27	8.2	7.6	7.8	8.1	7.1	7.5	7.4	6.8	6.9	7.7	6.9	7.1
28	8.3	7.7	8.0	7.9	7.0	7.5	7.4	6.9	6.9	7.7	6.8	7.4
29	8.5	7.8	7.9	7.9	7.0	7.7	7.6	6.8	6.9	7.5	6.8	7.2
30	---	---	---	7.7	7.5	7.6	7.5	6.7	6.8	7.3	6.7	6.9
31	---	---	---	7.6	7.3	7.5	---	---	---	7.4	6.7	6.9
Max	8.5	7.8	8.0	8.8	8.1	8.4	8.0	7.6	7.7	8.0	7.4	7.6
Min	7.8	7.5	7.7	7.6	7.0	7.1	7.0	6.7	6.8	6.8	6.6	6.7

0208453300 PAMLICO RIVER AT CHANNEL LIGHT 5 AT CORE POINT, 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	7.5	6.7	7.1	8.0	7.2	7.6	7.8	7.1	7.1	7.9	7.3	7.6
2	7.3	6.6	6.7	8.2	7.3	7.6	7.4	7.1	7.2	8.0	7.4	7.7
3	7.1	6.6	6.9	8.0	7.4	7.8	7.9	7.1	7.2	8.1	7.4	7.8
4	7.8	6.7	7.0	8.0	7.6	7.9	7.5	7.1	7.2	7.9	7.2	7.7
5	7.8	7.0	7.3	8.0	7.7	7.8	8.1	7.1	7.2	---	---	---
6	7.7	7.0	7.1	8.0	7.8	7.9	8.0	7.1	7.3	8.1	7.7	7.9
7	7.3	6.9	7.0	8.0	7.7	7.9	7.8	7.2	7.2	7.9	7.5	7.7
8	7.1	6.8	6.9	8.0	7.6	7.9	7.9	7.1	7.4	7.8	7.3	7.3
9	7.0	6.9	6.9	8.0	7.7	7.8	7.8	7.2	7.2	7.7	7.2	7.3
10	7.0	6.9	6.9	8.0	7.7	7.8	7.8	7.2	7.5	---	---	---
11	7.2	6.9	6.9	8.0	7.4	7.7	7.8	7.4	7.6	8.1	7.2	7.8
12	7.4	6.6	6.7	7.9	7.2	7.5	7.7	7.6	7.6	7.9	7.1	7.3
13	7.5	6.7	7.2	7.9	7.2	7.4	7.8	7.6	7.7	8.1	7.1	7.8
14	7.6	6.8	7.2	8.1	7.2	7.5	7.7	7.5	7.6	7.4	7.1	7.2
15	7.6	6.8	7.3	7.6	7.1	7.1	7.9	7.4	7.6	7.6	7.2	7.3
16	7.7	6.8	7.2	8.0	7.0	7.6	7.9	7.3	7.7	7.4	7.2	7.3
17	7.9	6.8	7.6	8.0	7.2	7.8	7.9	7.1	7.5	7.7	7.2	7.3
18	8.0	6.7	7.1	8.0	7.2	7.8	7.7	7.2	7.5	8.1	7.2	7.3
19	8.0	6.8	7.2	7.8	7.5	7.7	7.7	7.2	7.6	8.0	7.3	7.8
20	8.0	7.0	7.3	8.0	7.6	7.8	8.0	7.3	7.7	8.0	7.8	7.9
21	7.9	7.2	7.3	7.9	7.3	7.8	8.1	7.8	7.9	7.9	7.7	7.8
22	7.9	7.1	7.6	7.8	7.3	7.5	8.0	7.9	8.0	8.0	7.4	7.7
23	7.8	7.3	7.5	8.0	7.2	7.4	8.1	7.9	8.0	8.0	7.7	7.8
24	7.8	7.5	7.6	8.0	7.4	7.6	8.1	7.9	8.0	8.1	7.8	8.0
25	7.7	7.3	7.5	7.8	7.1	7.3	8.0	7.5	7.9	8.1	8.0	8.0
26	7.9	7.0	7.5	8.0	7.0	7.1	8.1	7.7	7.9	8.1	7.8	7.9
27	7.9	7.1	7.6	8.2	7.0	7.7	8.0	7.9	7.9	7.9	7.5	7.8
28	8.0	7.2	7.7	8.2	7.1	7.1	8.0	7.7	7.8	7.6	7.4	7.6
29	7.8	7.3	7.5	7.3	7.1	7.1	8.0	7.4	7.7	7.6	7.4	7.5
30	7.8	7.3	7.5	7.2	7.1	7.1	7.9	7.4	7.7	7.5	7.3	7.4
31	---	---	---	8.4	7.1	7.1	8.0	7.4	7.8	---	---	---
Max	8.0	7.5	7.7	8.4	7.8	7.9	8.1	7.9	8.0	---	---	---
Min	7.0	6.6	6.7	7.2	7.0	7.1	7.4	7.1	7.1	---	---	---

0208453300 PAMLICO RIVER AT CHANNEL LIGHT 5 AT CORE POINT, 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	23.4	20.6	19.3	19.8	12.3	11.4	11.8	12.2	11.2	11.8
2	24.1	22.9	23.4	20.1	18.0	18.9	11.7	11.0	11.4	11.5	8.4	10.0
3	24.8	23.3	23.8	18.1	17.1	17.6	12.6	11.6	12.1	8.4	6.6	7.6
4	25.1	24.1	24.5	17.9	15.6	16.9	11.7	9.4	10.5	7.7	6.0	7.0
5	25.4	24.5	24.9	17.4	16.0	16.8	10.1	9.1	9.7	8.5	6.5	7.2
6	26.1	24.8	25.1	16.6	15.5	16.0	9.5	8.9	9.2	8.3	6.9	7.4
7	27.7	25.0	25.6	15.6	14.4	15.0	9.2	8.4	8.8	8.8	7.5	7.9
8	27.1	25.6	26.1	14.5	13.6	14.0	10.2	8.4	9.0	10.3	7.8	8.7
9	27.4	25.8	26.2	13.8	13.1	13.3	9.9	8.8	9.3	11.7	8.2	10.2
10	26.4	25.3	25.8	14.2	12.4	13.1	11.2	9.6	10.5	11.2	9.3	10.3
11	25.8	23.7	24.8	13.0	11.8	12.4	11.8	9.6	11.1	12.3	10.2	11.4
12	23.7	22.0	22.8	13.3	12.4	12.9	12.5	9.8	11.4	12.9	11.7	12.1
13	22.7	21.5	22.0	13.8	12.5	13.1	13.0	11.6	12.3	11.7	10.8	11.3
14	22.5	20.8	21.6	14.5	13.4	13.9	13.5	12.4	12.8	11.5	10.6	11.2
15	22.4	21.1	21.7	14.5	13.5	14.1	12.8	11.9	12.2	10.7	9.4	10.1
16	22.5	21.2	21.7	13.6	11.9	12.7	12.8	11.8	12.4	9.4	8.4	8.7
17	22.5	21.3	21.9	12.4	11.6	12.0	11.8	9.2	10.4	8.8	7.9	8.2
18	23.1	22.1	22.6	12.9	11.6	12.3	9.9	8.6	9.2	8.3	7.5	8.0
19	23.9	22.8	23.2	12.9	12.4	12.7	9.9	8.5	9.4	8.2	7.3	7.7
20	23.8	23.2	23.5	13.8	12.6	13.1	9.5	8.2	8.7	7.9	6.2	7.0
21	23.4	22.8	23.0	14.1	13.1	13.6	9.5	8.6	9.1	6.6	5.3	5.9
22	23.1	22.4	22.8	14.8	13.6	14.1	10.2	9.5	9.8	6.7	5.5	6.1
23	23.3	22.7	23.0	14.5	13.2	14.0	10.9	9.9	10.4	7.6	6.3	6.9
24	23.9	23.2	23.6	13.4	12.3	12.7	11.1	10.6	10.9	7.3	6.9	7.1
25	24.0	23.7	23.9	12.4	12.0	12.2	10.9	10.0	10.5	6.9	6.1	6.5
26	24.0	23.7	23.8	13.4	11.8	12.5	10.6	9.6	10.2	6.7	5.7	6.2
27	23.7	23.2	23.5	13.8	13.1	13.6	10.3	9.4	9.9	6.8	4.5	6.0
28	23.2	21.1	22.5	13.3	12.7	13.0	10.5	9.7	10.2	6.8	5.7	6.2
29	21.1	19.9	20.7	12.9	12.4	12.6	12.0	10.4	11.3	7.1	6.1	6.7
30	20.8	19.3	19.9	12.6	11.9	12.3	12.2	11.7	11.9	8.6	7.1	7.8
31	20.1	19.2	19.6	---	---	---	12.4	11.9	12.1	7.8	7.4	7.6
Month	27.7	19.2	23.3	20.6	11.6	14.0	13.5	8.2	10.6	12.9	4.5	8.3

0208453300 PAMLICO RIVER AT CHANNEL LIGHT 5 AT CORE POINT, 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	9.2	7.5	8.1	11.0	9.0	9.8	15.2	13.4	14.1	20.9	18.9	19.6
2	9.3	8.4	8.8	10.8	9.6	10.1	15.2	14.6	14.9	20.9	19.6	20.2
3	9.9	8.7	9.3	11.7	10.1	10.9	14.7	14.0	14.3	21.8	20.1	20.9
4	10.2	9.3	9.8	13.3	11.2	11.9	15.6	14.1	14.8	23.1	21.1	21.8
5	11.6	9.9	10.6	15.1	12.7	13.7	16.3	15.4	15.7	23.6	21.2	22.4
6	13.0	11.1	12.1	15.7	13.3	14.1	16.3	15.8	16.2	23.7	21.7	22.5
7	13.8	12.5	13.2	14.8	13.2	14.3	15.8	14.8	15.3	23.4	22.2	22.6
8	13.8	12.6	13.5	15.4	14.1	14.7	14.8	14.4	14.5	22.6	21.9	22.3
9	13.8	12.7	13.2	14.1	12.5	13.3	14.8	14.1	14.5	23.1	21.9	22.4
10	13.1	12.2	12.7	13.6	12.4	13.0	16.1	14.5	14.8	23.6	22.0	22.6
11	12.3	11.0	11.6	14.1	12.5	13.1	19.4	15.1	17.0	22.5	20.9	21.6
12	11.5	10.4	11.1	14.9	13.1	13.9	19.4	18.4	18.8	21.1	19.2	20.1
13	13.5	11.4	12.1	15.2	14.2	14.4	19.9	17.4	18.3	19.5	18.4	18.9
14	12.4	11.8	12.1	15.1	13.9	14.6	18.6	17.0	17.5	20.3	17.8	19.1
15	11.9	10.8	11.5	16.1	13.8	14.6	17.5	15.8	16.3	20.5	19.1	19.7
16	11.8	10.7	11.5	14.9	14.2	14.6	16.4	14.5	15.3	21.5	20.0	20.6
17	12.2	10.6	11.3	14.6	13.2	13.9	17.2	14.3	15.3	21.6	20.1	20.8
18	14.0	12.1	12.7	14.5	12.9	13.5	18.0	16.0	16.8	21.1	20.1	20.7
19	12.8	12.1	12.6	15.1	13.5	14.1	18.8	15.8	17.6	21.7	20.0	20.8
20	12.6	11.1	11.9	15.4	14.7	15.0	18.6	17.2	17.7	22.5	20.8	21.4
21	11.8	10.6	11.3	15.3	13.8	14.4	18.6	17.6	18.1	23.0	21.1	21.8
22	10.7	10.1	10.3	15.7	13.8	14.7	18.3	17.5	18.0	22.6	21.4	22.0
23	10.6	10.0	10.3	14.8	13.9	14.4	19.0	18.0	18.4	23.1	21.5	22.0
24	11.0	9.9	10.3	14.4	13.5	13.9	21.4	18.6	19.2	22.4	21.7	22.0
25	11.3	9.6	10.5	13.8	12.6	13.2	22.0	19.1	20.0	23.9	21.1	22.2
26	11.7	10.5	11.1	14.5	12.3	13.3	21.5	19.9	20.7	23.3	21.6	22.5
27	11.5	10.0	10.9	14.9	13.0	13.8	21.8	18.2	20.6	24.4	22.4	23.2
28	10.0	8.9	9.3	16.5	14.1	14.9	21.7	20.1	21.2	23.7	22.0	23.0
29	9.9	7.6	9.3	15.6	14.0	14.9	21.4	19.5	20.4	22.9	21.4	22.0
30	---	---	---	14.1	13.0	13.4	19.7	18.3	19.1	24.1	21.2	22.3
31	---	---	---	13.8	13.0	13.3	---	---	---	24.4	22.6	23.5
Month	14.0	7.5	11.1	16.5	9.0	13.6	22.0	13.4	17.2	24.4	17.8	21.5

0208453300 PAMLICO RIVER AT CHANNEL LIGHT 5 AT CORE POINT, 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	27.8	23.7	24.8	28.5	27.6	28.0	31.2	28.7	29.7	28.3	27.6	28.0
2	26.4	24.4	25.7	28.4	27.0	27.6	31.0	29.6	30.2	28.7	27.2	27.9
3	25.7	24.9	25.3	29.0	27.1	27.7	30.7	29.0	29.8	28.6	27.0	27.7
4	27.1	24.8	25.7	28.3	27.3	27.7	31.0	29.5	29.9	29.0	27.2	27.9
5	29.0	25.3	26.5	28.4	27.3	27.7	31.4	29.8	30.4	---	---	---
6	29.1	25.8	27.7	28.1	27.0	27.6	31.4	30.0	30.5	27.4	26.6	26.8
7	30.6	27.8	28.7	28.3	27.5	27.9	31.3	29.7	30.4	27.2	26.1	26.5
8	30.3	28.4	29.3	28.1	27.4	27.8	30.7	29.1	29.7	27.8	26.7	27.3
9	30.5	27.7	29.5	27.5	26.5	27.1	29.5	29.0	29.3	28.1	27.2	27.6
10	31.0	28.1	29.8	28.4	26.6	27.2	29.1	28.5	28.8	27.5	27.2	27.3
11	30.2	26.8	28.8	27.8	26.8	27.3	29.3	28.0	28.6	27.6	26.9	27.2
12	29.1	27.8	28.5	27.9	26.6	27.2	29.3	27.9	28.4	27.7	26.6	27.0
13	29.0	27.4	28.0	28.4	26.8	27.3	28.0	26.8	27.5	29.2	27.1	28.0
14	29.4	27.4	28.0	28.8	27.2	28.0	27.5	26.3	26.9	28.8	27.7	28.2
15	28.5	27.6	28.1	28.5	27.5	28.0	28.5	26.7	27.2	29.0	27.6	28.3
16	28.8	27.5	27.9	28.3	27.0	27.7	27.9	26.9	27.3	28.5	26.6	27.5
17	28.9	27.3	28.0	28.2	26.7	27.6	27.7	26.8	27.2	26.6	25.2	25.7
18	28.6	26.9	27.6	28.6	27.1	27.8	27.7	26.7	27.2	25.4	24.4	24.9
19	27.9	26.6	27.3	28.8	27.9	28.3	28.3	27.0	27.5	25.6	24.2	24.8
20	27.2	26.4	26.7	28.7	28.1	28.4	28.7	27.3	27.9	24.8	22.8	23.6
21	26.6	25.8	26.3	30.2	28.0	29.0	28.1	27.5	27.8	23.8	22.3	23.0
22	27.1	25.6	26.3	29.8	28.8	29.2	27.5	26.8	27.1	23.6	22.5	23.2
23	27.4	26.2	26.7	29.4	28.2	28.7	27.5	26.4	27.0	23.2	22.6	23.0
24	29.0	26.2	27.2	29.4	27.4	28.4	27.9	26.6	27.2	22.9	21.4	22.0
25	28.8	26.4	27.5	28.6	28.0	28.3	28.6	26.9	27.5	21.4	20.4	20.9
26	28.4	26.9	27.6	30.2	27.6	28.5	28.1	27.7	27.8	21.8	20.9	21.2
27	28.8	27.2	28.1	29.3	28.1	28.7	27.8	27.1	27.4	23.0	21.0	21.6
28	29.2	27.8	28.5	30.7	28.3	29.0	27.8	26.8	27.3	23.6	21.8	22.6
29	28.7	27.7	28.2	30.7	28.8	29.7	28.3	27.1	27.5	22.8	21.9	22.3
30	28.5	27.7	28.1	31.3	29.3	30.1	29.2	27.2	27.8	23.4	21.9	22.5
31	---	---	---	31.1	29.1	29.7	28.7	27.6	28.2	---	---	---
Month	31.0	23.7	27.5	31.3	26.5	28.2	31.4	26.3	28.3	---	---	---

0208453300 PAMLICO RIVER AT CHANNEL LIGHT 5 AT CORE POINT, 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	24.0	23.1	23.4	20.5	18.9	19.6	12.6	11.6	12.1	12.1	11.1	11.6
2	23.8	22.9	23.3	20.0	18.0	18.9	12.4	11.4	11.9	11.7	8.6	10.2
3	24.1	23.4	23.6	18.1	17.2	17.7	12.6	11.5	12.1	8.9	7.7	8.4
4	25.0	24.1	24.3	18.1	17.2	17.9	11.7	9.8	10.7	8.4	7.8	8.1
5	25.5	24.6	25.0	18.1	16.5	17.7	10.6	9.6	10.1	8.5	8.0	8.2
6	25.9	24.8	25.1	17.8	15.6	16.9	9.8	8.9	9.3	8.5	7.8	8.1
7	25.9	25.0	25.3	17.7	14.9	16.4	9.1	8.5	8.8	8.5	7.9	8.0
8	25.9	24.9	25.3	17.6	14.2	16.7	9.4	8.8	9.1	9.2	8.0	8.4
9	26.0	25.1	25.3	17.6	16.7	17.2	9.7	9.2	9.4	10.3	8.4	8.8
10	25.9	25.2	25.3	17.5	12.9	15.2	9.8	9.4	9.6	9.4	8.4	8.7
11	25.5	24.2	25.1	16.5	12.5	14.0	10.4	9.6	9.8	11.9	8.8	9.8
12	24.9	22.6	23.9	14.8	13.7	14.1	11.7	9.8	10.5	10.7	9.3	9.7
13	24.2	22.3	23.6	14.3	13.7	14.1	12.4	10.4	11.3	11.4	9.6	10.6
14	23.7	22.5	23.3	14.3	13.7	13.9	12.8	10.9	11.9	11.2	10.1	10.9
15	23.5	21.8	22.8	14.3	13.6	13.9	12.6	11.1	12.0	11.0	9.7	10.3
16	22.7	21.3	21.9	13.6	11.1	12.6	12.8	11.8	12.4	9.8	9.2	9.5
17	22.7	21.5	22.3	13.1	11.8	12.6	11.8	9.4	10.5	9.6	8.0	8.7
18	22.9	22.3	22.6	13.0	11.6	12.3	10.2	8.9	9.4	8.3	7.8	8.1
19	23.5	22.8	23.0	13.3	12.8	13.0	10.3	9.2	9.8	8.4	7.5	8.0
20	23.8	23.1	23.5	13.6	12.6	13.1	10.4	9.9	10.3	8.3	7.1	7.5
21	23.3	22.9	23.0	13.7	13.0	13.2	10.4	8.8	9.6	7.6	6.0	6.7
22	23.3	22.5	22.9	---	---	---	10.3	9.4	9.7	7.3	5.6	6.7
23	23.3	22.7	23.0	---	---	---	10.8	9.9	10.3	7.3	6.4	6.8
24	23.9	23.3	23.5	---	---	---	11.0	10.6	10.7	7.3	6.9	7.2
25	24.1	23.7	23.8	---	---	---	10.9	10.4	10.7	7.2	6.2	6.5
26	23.9	23.7	23.8	---	---	---	10.6	9.8	10.2	6.7	6.4	6.6
27	23.7	23.3	23.6	---	---	---	10.1	9.8	10.0	7.0	6.6	6.8
28	23.3	21.5	22.5	---	---	---	10.3	10.0	10.1	7.0	6.4	6.8
29	21.5	20.4	20.8	13.0	12.4	12.7	11.7	10.3	10.9	7.0	6.7	6.8
30	21.0	19.4	20.1	12.8	12.2	12.4	11.8	11.0	11.2	8.8	6.7	7.6
31	20.1	19.2	19.7	---	---	---	11.9	11.0	11.5	8.6	7.4	7.7
Month	26.0	19.2	23.4	---	---	---	12.8	8.5	10.5	12.1	5.6	8.3

0208453300 PAMLICO RIVER AT CHANNEL LIGHT 5 AT CORE POINT, 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	9.1	7.5	8.1	10.8	9.3	9.8	14.9	13.5	13.9	19.5	18.8	19.1
2	9.1	8.4	8.7	10.4	10.0	10.1	15.2	14.7	14.9	19.9	18.8	19.1
3	9.1	8.9	9.0	11.3	10.2	10.6	14.9	14.0	14.4	19.8	18.8	19.0
4	9.6	8.8	9.0	12.7	10.3	11.4	15.2	14.2	14.6	19.5	19.0	19.2
5	11.5	9.2	10	14.6	11.3	13.4	15.8	14.3	15.3	20.1	19.0	19.3
6	12.8	9.8	11.6	13.8	12.8	13.0	15.7	14.5	14.9	20.6	19.3	19.5
7	14.0	12.5	13.1	14.2	13.0	13.4	15.4	14.5	14.8	20.4	19.3	19.6
8	13.5	12.4	13.1	15.0	13.7	14.4	14.9	14.5	14.6	21.4	19.5	19.7
9	13.9	12.4	13.0	14.2	12.6	13.1	14.6	14.5	14.5	22.4	19.6	20.6
10	13.2	12.2	12.7	13.4	13.1	13.2	15.0	14.4	14.5	23.5	19.9	20.7
11	12.3	11.0	11.6	13.7	13.3	13.3	15.5	14.6	14.7	21.6	20.0	20.9
12	11.6	11.1	11.4	14.0	13.3	13.4	18.4	14.7	15.4	21.1	19.5	20.2
13	13.3	11.4	12.1	14.1	13.4	13.5	18.3	14.7	15.9	19.5	18.4	19.0
14	12.4	11.7	12.0	14.2	13.4	13.6	17.9	15.0	15.6	19.4	18.4	19.0
15	12.2	11.4	11.8	14.9	13.6	13.8	16.1	15.1	15.5	19.8	19.0	19.2
16	12.2	12.0	12.0	14.8	14.1	14.5	16.1	15.2	15.6	21.3	19.2	19.7
17	12.1	11.5	11.9	14.4	13.7	14.1	16.3	15.3	15.6	21.1	19.2	19.5
18	13.9	12.0	12.7	14.5	13.7	14.0	15.8	15.3	15.4	21.0	19.3	19.9
19	12.9	12.3	12.7	15.2	13.7	14.2	16.3	15.4	15.7	21.1	19.9	20.5
20	12.6	11.2	12.1	15.5	14.7	15.1	17.9	15.7	16.3	22.5	20.1	21.1
21	11.8	10.7	11.4	14.9	14.5	14.7	18.4	16.8	17.6	22.4	21.2	21.6
22	11.0	10.0	10.5	15.6	14.4	14.8	18.2	17.5	17.9	22.6	21.1	21.9
23	10.7	10.2	10.6	14.8	14.0	14.5	19.0	18.0	18.4	22.4	21.6	21.7
24	10.8	10.6	10.7	14.6	13.7	14.1	19.3	18.1	18.6	22.0	21.6	21.8
25	10.9	10.7	10.8	13.8	12.7	13.2	19.1	17.0	18.5	21.8	21.2	21.6
26	11.4	10.8	10.9	13.9	13.2	13.5	19.1	17.5	18.2	22.6	21.6	21.8
27	11.3	10.0	10.8	14.5	13.4	13.7	20.6	17.8	18.1	23.8	21.8	22.3
28	10.0	9.2	9.5	16.1	13.9	14.6	20.7	18.2	18.8	23.6	21.8	22.8
29	10.0	9.4	9.6	15.7	13.9	14.8	20.6	18.3	19.2	22.3	21.4	21.8
30	---	---	---	14.1	13.0	13.5	19.6	18.7	18.9	23.0	21.4	22.0
31	---	---	---	13.9	13.0	13.3	---	---	---	23.9	22.3	22.8
Month	14.0	7.5	11.2	16.1	9.3	13.4	20.7	13.5	16.2	23.9	18.4	20.5

0208453300 PAMLICO RIVER AT CHANNEL LIGHT 5 AT CORE POINT, 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	25.2	22.8	23.7	28.2	27.6	27.9	29.5	28.5	28.6	28.2	27.5	28.0
2	25.1	22.6	23.3	28.3	27.1	27.5	29.0	28.4	28.5	28.5	26.8	27.5
3	25.1	23.4	24.2	27.9	27.1	27.4	29.9	28.5	29.0	28.2	27.0	27.4
4	25.7	23.9	24.8	27.8	27.3	27.5	29.5	28.7	29.1	27.8	27.1	27.4
5	26.6	24.9	25.4	27.8	27.2	27.5	29.9	28.8	29.1	---	---	---
6	27.3	24.8	25.4	28.0	27.0	27.5	30.1	28.8	29.2	27.4	26.6	26.8
7	26.9	24.7	25.2	28.1	27.4	27.7	29.8	29.1	29.3	26.6	26.2	26.5
8	26.8	24.8	25.4	28.0	27.4	27.8	30.0	29.2	29.5	27.3	26.5	26.6
9	26.1	25.4	25.6	27.4	26.5	27.1	29.6	29.1	29.4	27.5	26.9	27.1
10	26.1	25.6	25.8	27.4	26.6	26.9	29.2	28.5	28.9	---	---	---
11	27.7	25.7	26.1	27.6	26.8	27.1	29.2	28.0	28.6	27.5	26.9	27.1
12	28.2	26.2	27.0	27.7	26.6	27.1	28.7	27.9	28.1	27.3	26.7	27.1
13	28.4	26.8	27.6	27.7	26.9	27.2	28.1	27.0	27.7	27.6	26.9	27.2
14	28.5	27.0	27.6	28.5	26.9	27.3	27.3	26.2	26.7	27.2	27.0	27.0
15	28.4	27.3	27.8	27.9	27.0	27.1	27.4	26.4	26.7	27.6	27.0	27.2
16	28.0	26.8	27.4	28.3	26.9	27.6	27.7	26.9	27.2	27.6	27.4	27.4
17	28.7	26.7	27.6	28.2	27.0	27.5	27.7	26.9	27.2	27.4	25.8	27.2
18	27.9	26.6	26.9	28.3	27.1	27.7	27.6	26.8	27.2	27.4	24.6	26.7
19	27.1	26.7	26.9	28.6	27.9	28.2	27.8	27.2	27.5	26.5	24.3	25.1
20	27.0	26.5	26.8	28.7	28.1	28.4	28.3	27.4	27.8	24.8	23.1	23.8
21	26.8	26.4	26.7	28.9	28.0	28.3	28.1	27.5	27.8	24.2	23.2	23.8
22	26.7	25.8	26.3	29.0	28.1	28.5	27.5	26.8	27.1	24.2	23.4	23.8
23	26.9	26.4	26.6	28.9	28.3	28.6	27.5	26.4	26.9	23.4	22.8	23.1
24	27.0	26.3	26.6	28.7	27.4	28.3	27.8	26.6	27.1	22.9	21.4	22.0
25	27.5	26.5	26.8	28.4	27.9	28.1	27.8	27.0	27.2	21.4	20.6	20.9
26	28.0	26.5	26.8	28.6	27.9	28.1	28.0	27.4	27.8	21.6	20.9	21.1
27	28.7	27.1	27.7	28.9	28.1	28.4	27.9	27.1	27.5	21.8	21.2	21.5
28	29.1	27.5	28.3	28.6	28.0	28.2	27.7	26.8	27.3	21.8	21.5	21.7
29	28.7	27.7	28.2	28.5	28.0	28.2	27.8	27.2	27.4	21.9	21.5	21.7
30	28.4	27.7	28.1	28.6	28.0	28.1	27.9	27.3	27.5	22.0	21.6	21.8
31	---	---	---	30.5	28.1	28.5	28.7	27.6	28.1	---	---	---
Month	29.1	22.6	26.4	30.5	26.5	27.8	30.1	26.2	28.0	---	---	---

0208453300 PAMLICO RIVER AT CHANNEL LIGHT 5 AT CORE POINT, 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	8.2	6.6	7.4	9.4	7.4	8.3	9.8	9.3	9.6	9.5	9.2	9.4
2	8.2	6.6	7.4	8.6	7.8	8.3	9.5	9.0	9.3	9.7	9.2	9.4
3	7.7	6.2	6.8	9.2	8.0	8.4	9.3	8.6	9.0	10.9	9.5	10.3
4	7.5	6.2	7.0	10.6	8.2	9.3	9.5	8.9	9.1	10.9	9.7	10.3
5	7.9	6.6	7.2	10.2	8.3	9.6	9.3	8.9	9.1	10.6	9.9	10.2
6	8.3	6.3	7.2	9.7	9.1	9.4	9.6	9.1	9.4	10.6	9.8	10.2
7	10.6	6.5	7.8	10.0	8.6	9.3	9.9	9.3	9.6	11.0	10.1	10.3
8	10.0	6.7	8.1	10.3	9.1	9.7	10.1	9.3	9.8	11.0	10.3	10.7
9	10.1	7.0	8.1	10.7	9.8	10.2	10.7	9.6	10.1	11.0	10.3	10.8
10	8.0	2.1	6.8	10.2	9.3	9.8	10.6	10.0	10.4	10.9	10.2	10.7
11	7.5	5.4	6.7	10.1	9.4	9.8	10.7	9.9	10.3	10.7	10.2	10.5
12	8.2	4.9	6.3	10.4	8.2	9.6	10.5	10.1	10.3	10.5	9.8	10.3
13	8.8	5.8	7.3	10.1	9.5	9.9	10.5	9.9	10.2	10.5	9.9	10.2
14	9.0	5.8	7.5	9.8	7.7	9.1	10.7	9.9	10.2	---	---	---
15	9.1	4.6	7.2	9.4	7.8	8.8	10.4	9.9	10.2	---	---	---
16	9.3	4.3	7.5	9.1	8.2	8.7	10.0	9.2	9.6	---	---	---
17	8.8	2.5	6.3	9.5	8.8	9.1	10.1	9.2	9.7	10.5	10.0	10.3
18	6.7	3.9	5.8	10.1	8.9	9.5	10.7	9.8	10.2	10.8	9.8	10.3
19	6.6	4.5	5.6	10.5	8.7	9.9	10.9	10.1	10.5	10.7	10.2	10.5
20	7.1	4.6	5.9	10.5	9.1	9.8	11.2	10.3	10.9	11.1	9.7	10.7
21	7.2	5.9	6.4	10.7	9.2	10.0	---	---	---	11.3	10.8	11.1
22	6.4	5.0	5.9	10.0	8.8	9.6	---	---	---	11.4	10.6	11.1
23	5.9	4.6	5.5	9.8	9.3	9.6	---	---	---	11.5	10.9	11.2
24	7.1	5.3	5.7	10.1	9.1	9.7	---	---	---	11.4	11.0	11.2
25	6.4	5.2	5.7	9.9	9.4	9.8	---	---	---	11.6	11.0	11.2
26	5.9	5.3	5.6	10.0	9.1	9.7	---	---	---	11.7	11.1	11.3
27	6.2	5.1	5.6	10.1	9.2	9.7	9.8	9.5	9.6	12.7	10.8	11.7
28	7.0	4.9	6.2	---	---	---	9.7	9.2	9.5	12.1	10.6	11.3
29	7.8	6.3	7.1	---	---	---	9.7	9.4	9.5	11.8	10.9	11.4
30	9.0	7.0	7.8	---	---	---	9.7	9.4	9.5	11.1	10.6	10.9
31	8.7	7.2	8.2	---	---	---	9.9	9.1	9.5	10.9	10.5	10.7
Month	10.6	2.1	6.8	---	---	---	---	---	---	---	---	---

0208453300 PAMLICO RIVER AT CHANNEL LIGHT 5 AT CORE POINT, 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	10.7	10.2	10.5	12.9	11.3	12.3	9.1	8.6	8.8	11.1	8.4	9.9
2	10.8	10.0	10.4	13.2	11.7	12.4	9.2	8.6	9.0	10.6	8.2	9.9
3	12.6	10.3	10.6	13.0	11.6	12.4	9.3	8.7	8.9	10.4	9.6	9.9
4	10.9	10.3	10.5	12.7	10.3	11.7	9.7	8.2	9.0	11.4	8.4	9.6
5	10.4	9.7	10.1	11.4	9.8	10.6	9.8	8.6	9.0	10.1	6.7	9.0
6	10.0	9.2	9.6	13.2	9.7	11.5	9.4	8.6	9.1	10.3	7.1	9.1
7	9.9	9.0	9.4	12.1	8.2	10.8	10.4	8.5	9.3	11.2	7.6	9.7
8	10.1	9.0	9.6	10.1	8.2	9.4	11.1	9.0	10.0	10.0	6.4	9.3
9	9.4	8.8	9.2	11.6	8.9	10.0	10.1	7.9	9.2	9.2	8.0	8.5
10	9.2	8.7	9.0	12.5	8.8	11.3	11.2	2.8	9.7	9.1	6.7	7.8
11	9.6	8.6	9.1	13.3	7.3	11.7	12.3	6.2	10.2	7.7	3.9	6.7
12	9.5	8.6	9.2	12.9	10.5	11.5	11.5	8.4	9.8	7.7	5.2	6.9
13	9.5	8.8	9.1	12.3	9.8	11.0	11.3	8.1	9.0	9.1	7.4	8.1
14	9.8	8.8	9.3	12.2	10.3	11.0	11.6	8.8	10.0	9.5	7.8	8.6
15	10.2	9.5	9.9	11.7	8.7	10.0	10.8	9.6	10.2	9.4	7.9	8.9
16	10.4	9.7	10.0	9.8	8.2	9.2	10.7	9.8	10.3	9.4	7.3	8.4
17	9.9	9.1	9.6	11.3	9.2	10.1	12.2	10.3	11.1	9.8	7.2	8.6
18	9.2	8.5	9.0	11.3	9.8	10.6	13.4	10.0	12.0	8.9	7.8	8.5
19	9.6	8.8	9.2	11.2	9.5	10.3	12.2	3.0	11.0	8.5	7.4	7.9
20	9.9	9.0	9.4	10.4	8.8	9.6	10.8	7.2	8.8	8.0	7.0	7.5
21	10.0	9.3	9.7	11.7	9.3	10.1	10.2	8.3	9.2	7.9	6.4	7.3
22	10.4	9.5	10	11.5	9.9	10.7	9.6	8.3	8.9	7.6	6.5	7.2
23	11.0	9.7	10.5	10.9	9.4	10.2	10.0	8.4	9.1	7.6	5.9	6.6
24	11.5	8.7	10.3	10.9	9.8	10.3	10.6	8.8	9.6	7.0	5.5	6.4
25	13.8	10.1	12.2	11.2	9.9	10.5	11.8	8.2	9.8	8.5	4.9	6.9
26	12.6	8.4	11.3	11.4	10.6	11.0	9.7	7.4	9.0	8.7	4.6	7.3
27	11.4	9.1	10.2	11.0	9.8	10.5	9.4	0.9	7.6	7.7	6.3	7.2
28	11.9	9.9	10.8	10.3	9.5	9.9	9.3	5.7	8.3	7.3	6.3	6.9
29	12.9	9.5	11.7	9.7	8.9	9.2	9.2	7.4	8.1	8.0	6.0	6.7
30	---	---	---	9.9	8.7	8.9	10.3	6.9	8.8	6.9	5.8	6.3
31	---	---	---	9.3	8.5	8.9	---	---	---	7.2	5.8	6.5
Month	13.8	8.4	10.0	13.3	7.3	10.6	13.4	0.9	9.4	11.4	3.9	8.0

0208453300 PAMLICO RIVER AT CHANNEL LIGHT 5 AT CORE POINT, 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	7.9	6.1	7.0	8.2	5.7	7.1	8.4	5.0	6.5	8.1	5.4	7.0
2	8.0	4.8	6.9	8.6	5.5	6.9	8.5	5.6	6.9	9.3	4.8	7.3
3	7.5	6.3	6.8	7.6	6.1	6.7	8.1	4.8	6.3	9.3	4.8	7.4
4	7.0	5.4	6.5	7.2	5.9	6.4	8.9	5.2	6.6	9.8	3.1	7.1
5	7.6	4.0	5.7	7.2	5.2	6.0	9.3	5.9	7.7	---	---	---
6	7.7	4.1	6.0	6.7	5.5	6.1	9.0	6.3	7.5	6.9	5.9	6.3
7	7.5	4.0	5.6	6.9	5.7	6.4	8.2	6.1	7.1	8.6	5.3	6.4
8	7.5	3.6	5.4	7.0	5.7	6.4	8.4	4.2	6.0	8.2	3.8	7.0
9	6.6	1.8	5.3	7.2	5.3	6.0	6.9	3.6	5.8	7.8	4.9	6.5
10	6.3	1.9	4.9	8.3	5.2	6.4	6.0	3.6	4.9	8.8	6.3	7.3
11	6.5	0.4	4.1	7.7	4.3	6.5	6.3	4.2	5.1	9.4	6.4	7.8
12	8.4	0.0	5.3	7.6	5.8	6.4	7.5	4.1	5.8	9.1	6.8	7.9
13	7.3	4.9	6.0	7.2	4.5	6.1	6.4	3.4	5.1	10.7	6.9	8.8
14	7.5	5.2	6.1	7.9	5.9	7.0	6.9	4.2	5.0	10.1	6.2	8.5
15	8.2	5.2	6.6	7.4	3.1	6.1	8.3	4.9	6.4	9.8	6.8	8.3
16	9.4	4.8	7.2	7.7	5.7	6.5	7.6	5.1	6.1	8.5	2.8	6.7
17	8.7	6.8	7.7	7.8	6.0	6.8	6.8	4.9	5.9	6.8	0.1	4.9
18	10.4	6.0	7.6	7.4	6.1	6.8	6.2	3.4	5.1	7.9	0.1	5.3
19	8.6	7.0	7.9	7.3	4.9	5.9	7.5	4.1	5.2	6.7	0.1	4.8
20	8.1	5.5	7.0	7.1	5.2	6.2	8.2	4.5	6.3	6.6	0.1	3.9
21	8.3	3.9	5.7	8.9	5.8	7.3	8.2	5.5	6.8	8.3	0.1	5.2
22	8.1	1.8	6.4	8.9	5.8	7.2	8.7	6.3	7.3	8.3	0.7	5.7
23	6.0	2.6	5.0	8.0	4.5	6.4	8.9	6.6	7.6	7.2	5.0	6.4
24	8.1	4.6	5.9	9.7	5.6	7.2	8.8	6.0	7.4	8.4	6.4	7.4
25	7.9	2.7	5.9	9.5	4.7	7.2	8.4	3.5	6.8	8.8	7.7	8.2
26	7.3	5.5	6.4	11.4	2.4	7.8	7.6	3.6	6.3	9.4	7.3	8.4
27	7.3	5.0	6.5	8.8	6.9	7.9	7.5	6.3	6.8	10.2	6.0	7.9
28	7.8	5.6	6.7	10.8	7.2	8.5	8.0	6.0	6.8	13.2	3.3	9.4
29	6.6	4.3	5.8	9.9	5.2	8.1	8.8	3.1	6.6	10.6	2.6	7.4
30	7.1	5.4	6.1	8.9	6.1	7.5	10.6	0.2	6.2	9.8	3.4	5.7
31	---	---	---	8.5	5.8	6.6	9.1	5.6	7.7	---	---	---
Month	10.4	0.0	6.2	11.4	2.4	6.8	10.6	0.2	6.4	---	---	---

0208453300 PAMLICO RIVER AT CHANNEL LIGHT 5 AT CORE POINT, 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	7.0	0.6	6.1	9.1	7.5	8.1	9.7	8.2	9.2	9.8	8.5	9.5
2	7.1	3.5	6.2	8.3	7.6	8.1	9.3	8.0	8.7	10.1	9.3	9.8
3	7.1	2.8	5.6	8.5	7.8	8.2	9.4	8.7	9.0	10.5	9.4	10
4	7.2	4.8	6.1	9.2	6.6	7.7	9.4	8.8	9.0	10.5	9.5	9.9
5	7.7	6.5	7.0	9.3	5.5	6.7	9.2	8.7	8.9	10.7	10.0	10.2
6	7.5	5.5	6.7	9.5	5.4	7.8	9.5	9.0	9.2	11.0	10.0	10.4
7	7.4	0.5	5.5	9.0	3.7	6.4	9.8	9.3	9.5	11.0	10.3	10.6
8	6.3	0.2	2.4	8.8	3.8	4.9	10.1	9.1	9.6	11.5	10.6	11.0
9	6.3	0.6	1.9	4.1	2.8	3.5	10.3	9.0	9.6	11.5	10.7	11.1
10	4.3	0.6	1.8	9.6	2.4	5.8	10.8	9.1	10	11.4	10.6	11.0
11	6.6	0.6	2.1	8.8	3.7	7.1	10.4	9.6	10.0	11.4	10.7	11.0
12	5.7	1.4	2.9	8.0	5.3	6.9	11.4	9.7	10.3	11.0	10.2	10.7
13	5.8	0.9	2.0	8.3	6.1	6.9	11.2	9.9	10.4	10.4	9.7	10.1
14	6.1	0.5	1.9	7.9	5.9	7.2	11.6	9.9	10.6	10.1	8.7	9.7
15	6.8	0.4	2.5	8.5	7.0	7.6	10.6	9.9	10.3	10.3	8.9	9.7
16	7.2	1.1	4.8	9.0	8.1	8.6	10.0	9.2	9.6	10.4	8.7	9.5
17	6.4	0.6	2.8	8.8	7.8	8.3	10.2	9.2	9.6	10.9	9.4	10.2
18	5.7	1.4	3.4	9.5	7.5	8.6	10.5	9.5	10.0	11.0	10.0	10.5
19	5.8	1.8	3.8	10.1	6.7	8.0	10.7	9.1	9.8	11.0	9.5	10.3
20	6.7	3.9	5.4	10.0	6.6	8.1	9.7	8.9	9.4	11.1	9.4	10.6
21	6.3	5.1	5.8	8.9	6.5	7.2	10.4	8.9	9.8	11.6	10.2	11.0
22	6.2	5.1	5.6	---	---	---	10.2	9.8	10.0	11.4	10.4	10.8
23	6.2	5.2	5.6	---	---	---	10.3	9.7	10.0	11.5	10.5	11.2
24	6.5	5.5	6.0	---	---	---	10.4	9.7	10	11.8	10.3	11.0
25	7.0	5.6	6.3	---	---	---	10.4	9.7	10.1	11.5	10.6	11.3
26	6.5	5.8	6.3	---	---	---	10.2	9.6	9.9	11.3	10.6	10.8
27	6.7	5.7	6.1	---	---	---	10.0	9.5	9.7	11.0	10.0	10.6
28	7.7	6.1	6.9	---	---	---	10.1	9.4	9.8	11.3	9.8	10.5
29	8.1	7.1	7.6	9.6	7.8	9.1	10.0	9.4	9.8	11.1	10.6	10.8
30	8.6	6.7	7.8	9.6	8.4	9.2	9.8	9.3	9.5	11.2	10.5	10.8
31	9.1	7.8	8.4	---	---	---	9.9	9.0	9.5	11.0	10.2	10.7
Month	9.1	0.2	4.9	---	---	---	11.6	8.0	9.7	11.8	8.5	10.5

0208453300 PAMLICO RIVER AT CHANNEL LIGHT 5 AT CORE POINT, 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	10.8	10.2	10.5	13.4	8.8	11.5	6.7	3.7	5.4	7.8	0.9	3.9
2	10.6	10.0	10.3	12.2	7.6	9.4	7.9	4.7	6.3	8.6	0.2	2.4
3	10.5	9.6	10.0	12.8	8.8	10.9	8.1	6.4	7.1	6.3	0.1	1.1
4	10.3	8.9	9.6	11.8	7.0	10.4	7.6	4.4	6.0	2.6	0.3	1.3
5	10.4	9.4	9.9	10.8	6.2	9.9	7.9	3.8	5.5	2.7	0.0	0.3
6	10.0	9.1	9.6	9.0	6.4	7.5	6.8	1.9	4.1	2.1	0.0	0.2
7	9.8	9.0	9.4	9.8	6.1	7.6	6.7	1.9	3.4	1.0	0.0	0.2
8	10.0	8.5	9.1	9.5	6.9	8.2	6.6	1.6	3.6	4.3	0.0	0.3
9	9.6	8.3	9.1	10.6	7.9	9.1	5.2	0.8	3.1	8.0	0.0	1.5
10	9.6	8.2	9.1	10.3	7.1	7.8	8.0	2.2	4.2	8.8	0.0	1.4
11	9.6	8.8	9.1	9.7	6.3	7.2	6.9	3.0	4.5	7.1	0.1	2.7
12	9.6	8.6	9.0	10.9	6.3	7.4	8.2	2.9	4.1	7.7	5.1	6.9
13	9.6	8.9	9.3	6.8	4.2	5.5	9.0	3.9	5.5	8.5	7.0	7.9
14	9.7	9.0	9.4	7.1	3.5	4.4	8.4	3.4	4.5	8.5	6.3	7.6
15	10.2	8.7	9.4	8.3	3.5	4.7	8.8	1.7	3.2	7.8	4.6	5.8
16	9.0	8.2	8.6	9.0	2.5	6.0	6.1	2.1	3.5	8.9	3.8	5.7
17	10.0	7.4	8.6	6.6	2.4	3.6	6.6	1.2	2.5	8.7	2.4	4.0
18	9.4	7.6	8.7	9.7	2.9	6.2	4.0	0.5	1.3	9.1	1.2	4.4
19	9.7	8.6	9.2	8.1	3.8	6.2	6.5	0.6	2.3	8.6	2.4	6.3
20	10.0	8.8	9.4	9.2	5.3	8.0	8.6	0.8	4.3	7.4	0.8	5.0
21	10.1	9.1	9.8	7.5	4.4	5.6	9.5	2.8	6.5	7.8	5.7	6.8
22	10.3	8.5	9.7	9.6	3.4	6.4	8.9	8.1	8.5	7.6	3.0	6.7
23	10.2	8.8	9.2	8.7	3.5	6.4	9.3	8.1	8.6	6.9	5.2	6.0
24	9.5	8.0	9.1	9.0	4.0	7.3	9.1	5.6	8.2	7.0	3.9	5.7
25	9.0	7.6	8.3	8.7	3.3	6.7	9.0	0.1	5.1	7.0	3.0	5.0
26	11.1	7.8	8.6	8.5	4.1	7.1	6.4	0.1	2.9	7.2	2.9	4.4
27	11.0	7.6	9.7	8.7	3.6	6.0	6.6	0.7	2.5	7.6	1.9	4.9
28	12.2	9.4	10.6	7.8	3.2	5.9	6.7	1.1	2.1	7.6	0.1	5.8
29	12.9	8.8	9.7	8.2	3.2	6.4	8.1	0.7	2.6	6.9	0.5	5.0
30	---	---	---	7.6	6.2	6.9	7.8	0.7	2.1	6.6	0.7	4.0
31	---	---	---	8.0	5.3	7.0	---	---	---	7.6	1.3	4.7
Month	12.9	7.4	9.4	13.4	2.4	7.2	9.5	0.1	4.5	9.1	0.0	4.1

0208453300 PAMLICO RIVER AT CHANNEL LIGHT 5 AT CORE POINT, 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	7.6	2.1	5.7	5.2	0.7	3.8	4.7	0.3	1.1	6.4	0.0	2.9
2	6.9	0.5	2.0	8.4	0.9	4.7	2.8	0.4	0.7	7.9	0.1	4.4
3	5.6	0.8	3.3	7.0	3.0	5.3	7.6	0.6	2.0	8.1	0.6	5.0
4	7.2	1.2	4.5	6.8	4.3	6.0	4.1	0.6	1.0	6.4	1.2	4.4
5	7.2	2.8	5.1	6.5	4.9	5.6	8.8	0.7	1.7	---	---	---
6	6.4	2.4	3.8	6.7	5.6	6.1	7.7	0.8	1.7	6.9	5.8	6.2
7	4.7	0.9	2.2	6.8	5.2	5.9	---	---	---	6.4	3.5	5.1
8	3.0	0.4	1.3	6.7	3.8	5.7	---	---	---	5.6	2.1	3.1
9	2.1	0.6	1.3	6.5	4.6	5.7	3.9	0.9	1.9	5.5	1.3	3.5
10	1.5	0.6	0.9	7.2	5.2	5.9	4.8	1.2	2.8	6.8	0.0	2.7
11	3.6	0.1	0.7	7.4	3.5	5.7	4.7	1.7	3.4	8.7	0.6	4.7
12	4.8	0.2	1.7	6.9	2.4	4.4	4.2	2.1	2.9	6.9	0.2	2.8
13	5.9	0.8	4.8	6.8	1.9	3.9	5.1	1.8	3.2	7.7	0.6	4.7
14	6.4	1.7	4.7	7.6	1.6	4.0	3.9	1.8	3.0	2.0	0.1	0.9
15	6.2	1.6	4.6	5.0	0.9	1.4	4.6	0.9	2.9	3.5	0.2	0.9
16	6.4	0.6	3.8	7.2	0.3	4.4	5.0	1.6	3.5	1.4	0.0	0.5
17	7.7	0.2	5.3	7.0	2.1	5.6	4.6	0.4	2.4	4.5	0.0	0.3
18	7.8	0.0	3.1	7.1	1.5	5.6	3.7	0.2	2.0	8.0	0.0	1.3
19	6.9	0.5	3.6	6.0	3.8	5.1	3.1	0.1	2.1	7.6	0.3	5.8
20	7.3	1.0	3.7	7.0	5.2	6.2	7.2	0.3	4.3	7.1	5.8	6.7
21	5.7	1.8	3.3	7.2	2.8	5.7	8.1	5.5	6.7	6.9	4.3	5.9
22	6.8	1.2	4.3	6.1	2.7	4.2	8.4	6.3	7.2	7.5	1.1	5.0
23	6.1	2.7	4.4	6.8	1.6	3.5	8.8	6.4	7.5	7.5	5.6	6.6
24	---	---	---	8.0	3.7	5.2	8.5	6.1	7.2	8.4	6.2	7.4
25	---	---	---	6.6	0.9	3.1	7.2	1.5	5.9	8.7	7.2	7.9
26	---	---	---	7.2	0.0	2.2	7.6	3.8	6.1	8.4	6.4	7.2
27	5.5	0.5	3.1	8.1	0.3	4.2	7.2	6.1	6.5	7.4	1.9	6.2
28	5.3	1.7	3.6	7.6	0.0	2.3	7.1	4.5	6.1	5.8	0.2	3.6
29	5.2	2.2	3.3	2.4	0.0	0.5	7.1	2.0	5.4	4.1	0.1	2.5
30	4.6	0.9	3.5	1.7	0.0	0.2	6.8	0.1	4.9	3.6	0.1	1.7
31	---	---	---	8.2	0.2	1.0	7.8	0.0	4.9	---	---	---
Month	---	---	---	8.4	0.0	4.3	---	---	---	---	---	---

0208453300 PAMLICO RIVER AT CHANNEL LIGHT 5 AT CORE POINT, 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	104	83	93	115	88	99	102	97	99	99	94	96
2	105	83	93	104	93	98	98	93	96	95	89	92
3	99	78	87	105	91	96	97	90	94	101	89	95
4	98	80	90	118	95	105	94	89	92	99	90	95
5	103	86	94	115	95	108	92	88	90	98	92	95
6	110	82	95	109	101	105	94	88	92	98	93	95
7	142	85	103	109	93	101	97	89	93	105	96	98
8	134	89	108	110	97	103	100	90	95	108	100	103
9	137	93	107	112	102	107	105	93	99	111	102	107
10	106	28	89	107	99	103	108	99	104	111	102	108
11	97	72	87	105	96	101	111	101	105	112	104	108
12	103	62	80	108	87	101	109	102	106	109	103	106
13	111	73	91	108	100	104	111	103	107	108	101	104
14	111	72	93	105	83	98	114	104	109	---	---	---
15	112	59	90	102	85	95	110	104	107	---	---	---
16	117	54	94	96	88	92	105	97	101	---	---	---
17	109	32	79	98	90	94	101	92	97	100	95	98
18	85	49	74	107	92	99	104	95	100	103	92	97
19	84	58	72	111	92	104	106	100	103	100	96	99
20	92	59	76	112	96	104	108	98	105	102	91	98
21	93	76	82	115	99	107	---	---	---	103	96	99
22	82	64	75	109	96	104	---	---	---	103	98	100
23	76	59	70	106	101	104	---	---	---	107	99	103
24	92	68	74	107	96	102	---	---	---	105	101	103
25	83	67	74	104	99	102	---	---	---	105	99	102
26	77	69	73	107	96	102	---	---	---	104	100	102
27	80	66	73	109	99	104	98	93	96	108	100	104
28	89	62	79	---	---	---	98	92	94	108	97	102
29	95	77	87	---	---	---	100	95	97	108	99	104
30	109	84	94	---	---	---	101	97	98	105	100	102
31	105	86	98	---	---	---	103	94	98	102	99	100
Month	142	28	86	---	---	---	---	---	---	---	---	---

0208453300 PAMLICO RIVER AT CHANNEL LIGHT 5 AT CORE POINT, 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	103	98	99	123	106	116	94	89	91	131	96	113
2	104	96	100	128	111	118	97	90	94	124	95	114
3	124	99	103	128	112	121	96	91	93	123	110	116
4	108	101	103	124	106	116	103	85	93	136	101	114
5	105	98	101	119	101	110	105	91	96	124	80	108
6	103	97	100	140	101	120	100	91	96	127	85	110
7	106	94	100	125	85	113	108	90	97	135	92	116
8	107	96	102	106	87	98	112	93	101	119	77	111
9	100	94	97	116	90	102	105	82	94	111	95	102
10	96	90	94	123	91	113	120	30	102	112	80	94
11	98	88	93	133	76	116	135	66	110	93	47	81
12	97	88	93	130	103	115	130	94	109	88	61	80
13	98	90	94	127	99	113	128	88	100	104	83	92
14	101	90	95	124	105	113	127	96	109	110	89	98
15	103	95	100	123	91	103	118	104	109	109	92	102
16	103	98	101	102	86	95	113	102	107	111	85	99
17	99	94	97	117	92	103	130	106	115	117	84	101
18	96	88	93	114	101	108	146	108	129	105	81	100
19	98	90	94	114	100	106	133	34	121	101	89	94
20	100	89	95	109	93	101	120	81	98	96	85	90
21	99	93	96	122	95	104	115	93	103	98	78	89
22	99	93	96	120	103	111	108	92	100	94	79	88
23	104	93	99	113	96	105	115	94	104	95	72	81
24	110	86	99	112	101	105	123	100	110	86	67	78
25	132	97	117	113	98	105	139	93	114	107	59	84
26	121	83	110	116	104	110	112	86	105	108	56	90
27	110	88	99	113	102	107	111	10	88	95	77	89
28	111	91	101	107	100	103	110	66	98	91	77	85
29	123	91	110	102	93	96	106	85	94	99	72	81
30	---	---	---	101	88	91	118	77	100	86	70	77
31	---	---	---	95	86	90	---	---	---	91	71	81
Month	132	83	99	140	76	107	146	10	103	136	47	95

0208453300 PAMLICO RIVER AT CHANNEL LIGHT 5 AT CORE POINT, 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	105	77	90	114	79	98	122	70	92	114	75	98
2	105	62	90	119	75	94	123	80	99	132	67	103
3	98	82	88	107	84	92	117	68	90	131	67	103
4	91	72	84	100	81	88	130	75	95	139	43	99
5	102	52	75	100	71	82	137	85	111	---	---	---
6	106	54	81	93	75	83	132	90	109	95	81	86
7	105	55	77	96	78	88	120	87	102	118	72	87
8	105	50	75	97	78	89	123	60	86	113	52	96
9	93	25	74	99	72	82	98	52	83	109	68	91
10	88	26	69	115	70	87	85	51	69	121	87	101
11	92	5	57	105	58	88	90	59	72	130	88	108
12	117	0	73	104	78	87	107	58	82	126	92	108
13	102	67	82	98	61	83	90	48	71	150	95	121
14	105	70	84	110	81	96	95	57	68	140	86	117
15	112	71	90	103	42	83	117	67	89	136	94	115
16	130	65	99	107	78	90	106	70	84	116	39	92
17	121	92	105	108	82	93	95	67	82	90	1	65
18	144	81	104	102	84	94	86	47	70	104	1	69
19	117	94	107	102	68	81	106	57	73	89	1	63
20	109	74	94	99	72	87	116	62	88	84	1	50
21	111	52	76	127	80	102	115	77	95	107	1	66
22	110	24	85	124	81	100	121	87	101	107	9	73
23	81	35	67	112	63	90	124	90	105	93	64	82
24	113	62	81	136	76	100	123	82	103	106	82	94
25	108	36	81	132	65	99	119	48	95	108	97	101
26	101	75	88	161	33	108	107	50	88	118	90	104
27	102	68	89	124	96	110	104	88	95	131	74	98
28	110	78	93	155	99	118	112	83	95	169	41	120
29	92	59	80	142	73	114	124	43	92	134	33	93
30	99	74	85	129	87	106	151	3	87	126	43	73
31	---	---	---	122	81	93	128	78	108	---	---	---
Month	144	0	84	161	33	94	151	3	90	---	---	---

0208453300 PAMLICO RIVER AT CHANNEL LIGHT 5 AT CORE POINT, 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	89	8	78	111	89	98	101	87	96	100	86	96
2	91	45	78	100	90	96	96	84	90	97	93	95
3	90	36	72	99	89	94	98	90	94	98	90	95
4	94	62	79	105	77	89	94	89	91	100	91	94
5	101	84	91	104	64	78	91	88	89	104	96	98
6	99	72	87	106	63	88	94	88	91	106	97	100
7	98	7	72	98	44	73	95	89	92	106	98	102
8	83	3	32	94	45	56	99	89	93	112	102	106
9	84	8	26	48	33	41	102	89	95	113	104	108
10	57	8	25	100	28	64	108	90	99	112	103	107
11	85	8	28	94	43	77	105	95	100	114	106	109
12	72	19	38	87	59	76	116	97	105	111	101	106
13	73	12	26	89	67	75	115	100	107	105	98	101
14	78	7	25	86	65	78	120	104	110	101	88	97
15	85	5	32	92	76	83	111	104	108	100	89	96
16	90	14	60	94	86	90	104	96	101	102	86	94
17	80	8	36	92	83	87	103	92	97	103	92	99
18	73	18	43	100	80	90	103	93	98	105	94	99
19	74	23	48	107	72	85	105	91	98	103	91	98
20	87	50	70	107	71	86	97	86	92	104	90	99
21	81	65	74	96	70	77	100	88	96	106	96	101
22	79	65	71	---	---	---	101	95	98	103	97	100
23	80	66	72	---	---	---	103	96	100	106	97	103
24	84	71	77	---	---	---	104	97	100	109	97	102
25	91	73	82	---	---	---	105	97	101	105	99	103
26	85	75	82	---	---	---	101	94	98	103	98	100
27	86	74	79	---	---	---	99	94	96	102	93	98
28	98	78	87	---	---	---	100	93	97	104	91	98
29	100	86	93	101	84	96	101	94	98	104	99	101
30	105	82	95	101	89	97	99	94	96	106	98	102
31	110	94	101	---	---	---	101	92	97	103	97	100
Month	110	3	63	---	---	---	120	84	98	114	86	100

0208453300 PAMLICO RIVER AT CHANNEL LIGHT 5 AT CORE POINT, 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	102	97	100	128	86	109	70	38	56	90	11	46
2	102	96	99	118	75	92	83	49	66	100	2	28
3	102	93	97	126	86	106	84	66	74	74	1	13
4	101	86	93	118	69	103	79	46	62	31	4	15
5	103	92	98	114	62	102	84	40	58	32	0	4
6	104	91	99	93	66	77	72	20	43	25	0	2
7	105	94	99	103	63	79	71	20	36	12	0	2
8	106	90	97	99	73	86	70	18	38	52	0	4
9	102	88	97	108	81	92	56	9	33	96	0	18
10	100	87	95	104	74	80	85	24	45	108	0	17
11	98	90	93	99	65	75	73	32	48	84	1	33
12	98	88	92	107	61	76	91	31	44	88	60	80
13	---	---	---	71	44	58	100	42	60	98	80	90
14	100	92	96	74	37	47	92	38	49	98	73	87
15	104	90	96	85	37	50	93	19	36	90	53	67
16	94	85	90	94	27	63	66	23	39	104	45	67
17	101	76	89	70	26	39	72	13	28	102	29	48
18	98	79	91	99	31	64	44	6	14	109	14	53
19	99	89	95	85	40	65	71	7	26	102	29	76
20	101	89	96	97	56	84	96	9	48	90	10	61
21	100	92	98	78	47	59	107	31	72	96	69	82
22	99	84	94	100	36	67	100	90	95	93	36	81
23	98	87	91	90	37	67	107	91	98	85	64	73
24	94	80	91	93	41	75	104	63	93	85	47	69
25	89	75	83	87	34	68	103	1	58	85	36	61
26	109	78	86	88	43	73	73	1	33	89	35	54
27	105	76	94	88	38	62	77	8	28	95	23	60
28	115	90	100	84	34	62	79	13	25	95	1	71
29	122	85	94	87	34	67	94	8	31	85	6	60
30	---	---	---	77	63	71	89	8	24	82	9	48
31	---	---	---	81	54	70	---	---	---	95	16	58
Month	---	---	---	128	26	74	107	1	49	109	0	49

0208453300 PAMLICO RIVER AT CHANNEL LIGHT 5 AT CORE POINT, 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	97	26	72	72	10	53	66	4	16	90	0	40
2	89	6	26	116	12	65	40	6	10	112	1	60
3	73	10	43	96	41	73	109	9	29	113	8	69
4	93	15	58	94	59	83	59	9	15	89	17	62
5	95	36	66	90	67	77	126	10	25	---	---	---
6	86	31	49	93	76	84	111	12	24	94	80	85
7	63	12	29	94	71	81	---	---	---	87	48	70
8	40	5	17	93	52	78	---	---	---	77	29	43
9	28	8	17	89	63	78	56	13	27	76	18	48
10	20	8	11	98	70	80	68	17	40	---	---	---
11	49	1	9	101	48	77	66	24	49	120	8	64
12	66	3	23	95	33	60	59	29	41	94	3	39
13	81	11	65	94	26	54	71	25	45	106	8	64
14	88	23	64	105	22	55	54	25	42	28	1	13
15	85	22	64	69	12	19	63	12	40	49	3	13
16	88	8	52	100	4	61	70	22	48	20	0	7
17	107	3	72	97	29	77	64	6	33	61	0	3
18	107	0	42	97	21	77	52	3	28	105	0	18
19	93	7	49	83	53	71	43	1	29	101	4	77
20	98	14	50	98	72	87	102	4	61	92	75	88
21	77	24	45	100	39	79	114	77	93	91	56	78
22	90	16	57	85	38	58	116	87	100	98	14	65
23	82	36	60	95	22	49	123	87	103	97	72	85
24	---	---	---	111	52	72	119	84	100	106	79	94
25	---	---	---	91	13	42	100	21	82	107	88	98
26	---	---	---	99	0	31	107	53	86	105	79	90
27	76	7	43	113	4	58	100	85	91	93	24	77
28	74	23	51	105	0	31	99	63	85	73	2	45
29	73	30	46	34	0	8	99	28	75	52	1	32
30	64	12	48	24	0	3	95	1	68	45	1	22
31	---	---	---	117	3	13	110	0	68	---	---	---
Month	---	---	---	117	0	59	---	---	---	---	---	---