

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, 19.6 ppt, August 21, October 21, 2002; minimum recorded, <0.1 ppt, on many days during the period.

SALINITY (BOTTOM): Maximum recorded, 20.8 ppt, October 23, 2002; 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, 13.1, September 29; minimum recorded, 0.2 ppt, December 1.

SALINITY (BOTTOM): Maximum recorded, 19.0 ppt, September 29; minimum recorded, 0.9 ppt, March 11.

pH (TOP): Maximum recorded, 9.3 standard units, March 11, 12, 13, 14; minimum recorded, 6.3 standard units, December 1.

pH (BOTTOM): Maximum recorded, 9.0 standard units, March 11; minimum recorded, 6.4 standard units, May 18.

WATER TEMPERATURE (TOP): Maximum recorded, 32.7°C, August 9; minimum recorded, 4.0°C, February 9.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 31.4°C, August 10; minimum recorded, 4.1°C, February 9.

DISSOLVED OXYGEN (TOP): Maximum recorded, 16.2 mg/L, February 12; minimum recorded, 0.8 mg/L, July 17.

DISSOLVED OXYGEN (BOTTOM): Maximum recorded, 13.6 mg/L, February 7, 13; minimum recorded, 0.0 mg/L, on many days during the year.

DISSOLVED OXYGEN, PERCENT SATURATION (TOP): Maximum recorded, 188%, October 3; minimum recorded, 10%, April 3.

DISSOLVED OXYGEN, PERCENT SATURATION (BOTTOM): Maximum recorded, 157%, August 30; minimum recorded, 0%, on many 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 2006 TO SEPTEMBER 2007**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	10.9	10.3	10.5	10.6	5.9	8.3	2.5	0.2	1.1	5.3	1.7	4.1
2	10.7	10.4	10.6	11.1	4.9	7.8	1.9	0.9	1.2	2.5	1.6	2.1
3	11.6	10.2	10.5	11.7	6.0	8.1	10	1.2	3.3	4.2	1.5	2.5
4	11.3	10.0	10.5	11.8	6.2	9.6	3.8	1.6	2.8	3.3	1.6	2.4
5	11.6	10.0	10.6	11.3	8.2	9.7	5.0	3.2	3.9	3.2	1.5	2.1
6	11.9	10.9	11.3	11.5	7.3	8.9	6.2	4.3	5.2	5.4	1.4	2.8
7	11.3	10.8	11.1	10.7	8.3	9.7	5.4	3.8	4.6	6.9	1.9	3.1
8	12.2	11.3	11.7	10	7.7	9.1	6.8	3.5	4.9	3.6	2.6	2.9
9	12.4	11.6	12.0	8.5	7.0	7.9	7.0	4.7	6.2	3.6	2.4	3.0
10	12.3	11.3	11.7	8.6	7.0	7.7	6.7	5.0	5.6	3.6	2.3	3.1
11	11.7	9.9	10.9	9.9	7.2	8.4	9.0	4.0	6.1	4.0	2.1	2.8
12	11.8	9.0	10.0	9.7	7.2	8.2	9.0	5.5	7.4	3.4	1.4	2.3
13	11.2	9.3	9.9	9.0	7.3	8.2	8.4	6.9	7.6	1.8	0.9	1.4
14	11.1	9.3	10	9.1	6.3	8.1	7.9	4.9	6.5	2.5	1.3	1.6
15	11.3	10.0	10.4	8.9	6.4	7.8	7.2	3.5	4.9	6.2	1.9	3.0
16	11.6	9.9	10.5	9.5	4.8	7.8	11.0	3.9	7.9	3.9	2.3	3.1
17	10.9	10.6	10.8	5.4	3.3	4.4	9.3	6.7	8.5	7.3	3.3	4.7
18	10.9	9.7	10.5	3.4	1.1	2.2	8.2	3.9	6.1	6.6	4.4	5.4
19	10.8	9.7	10.3	6.1	1.3	3.5	12.3	5.0	8.3	5.7	3.5	4.5
20	10.6	9.8	10.2	9.2	1.7	6.1	11.0	7.5	9.2	6.5	4.9	5.5
21	10.9	9.8	10.3	8.5	2.5	5.1	8.4	6.8	7.7	6.6	4.6	5.9
22	10.9	9.9	10.3	7.6	2.7	4.8	9.3	6.8	8.1	6.1	5.2	5.7
23	9.9	7.8	9.4	2.7	1.4	1.8	9.2	6.5	7.7	5.3	4.2	4.6
24	9.7	7.1	8.1	3.1	0.9	1.4	8.9	5.6	6.5	4.7	3.0	3.7
25	10.0	8.5	9.1	6.7	0.5	2.2	9.8	7.2	8.3	4.8	2.2	3.3
26	10.0	8.6	9.2	6.6	0.4	2.7	8.9	6.8	7.8	5.7	2.2	3.4
27	12.3	8.8	10	7.7	2.8	6.1	7.6	6.3	6.9	5.2	4.3	4.7
28	11.3	9.8	10.5	8.5	3.8	7.6	6.6	4.1	5.7	5.1	2.5	4.2
29	10.7	9.6	10.1	9.4	4.8	7.5	6.5	3.3	5.1	5.4	1.4	3.0
30	9.6	8.3	8.8	7.6	0.4	1.3	7.5	2.0	5.1	4.5	2.9	3.6
31	9.6	7.0	8.3	---	---	---	8.9	4.1	5.6	4.6	3.5	3.9
Month	12.4	7.0	10.3	11.8	0.4	6.4	12.3	0.2	6.0	7.3	0.9	3.5

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**SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	5.7	3.6	4.4	4.6	3.4	4.0	2.4	1.9	2.1	4.4	3.7	4.2
2	4.4	3.5	3.9	4.6	2.9	3.8	2.7	1.6	2.1	4.6	4.1	4.3
3	4.6	3.4	3.9	3.9	2.6	3.1	6.4	1.5	2.6	5.2	4.3	4.8
4	4.1	3.5	3.8	3.7	2.1	2.9	3.4	2.5	2.8	5.4	5.0	5.1
5	4.2	3.4	3.8	3.1	1.6	2.5	3.4	2.5	3.0	5.3	4.7	5.1
6	5.0	3.2	3.6	3.5	2.0	2.9	4.9	2.8	3.5	6.4	4.6	5.3
7	5.3	3.7	4.2	3.5	2.3	2.9	5.0	2.7	3.7	6.3	5.7	5.9
8	4.4	3.1	3.6	2.8	2.4	2.6	4.9	4.0	4.6	6.2	5.7	5.9
9	4.4	2.7	3.3	2.7	1.7	2.3	5.0	4.2	4.6	5.9	5.2	5.6
10	3.1	2.5	2.8	2.2	1.0	1.4	5.0	3.7	4.4	5.8	4.8	5.1
11	4.8	2.6	3.2	3.4	0.9	1.4	4.9	4.6	4.8	5.8	4.7	5.1
12	4.3	2.7	3.4	3.3	0.6	1.4	4.9	4.2	4.6	5.3	4.5	4.8
13	3.7	3.2	3.4	2.2	0.9	1.4	4.6	3.9	4.2	6.0	4.3	4.7
14	4.7	3.0	3.7	1.4	1.1	1.3	5.0	3.6	4.3	6.2	4.6	5.4
15	3.8	2.9	3.2	1.7	1.3	1.4	4.7	3.5	4.3	5.5	4.7	5.0
16	3.7	2.1	2.6	4.6	1.4	1.7	4.1	1.8	2.9	5.5	5.0	5.2
17	5.0	2.7	3.7	2.1	1.4	1.6	3.8	2.8	3.2	5.3	4.6	5.0
18	3.0	2.0	2.7	3.2	1.4	2.3	3.2	2.5	3.0	5.4	5.0	5.3
19	4.3	1.4	2.7	3.8	2.1	2.8	3.1	2.4	2.8	5.5	4.7	5.0
20	4.6	2.9	3.8	3.2	1.9	2.4	2.7	1.7	2.1	5.9	4.5	5.0
21	4.4	2.9	3.7	3.1	1.9	2.5	4.6	0.7	1.4	8.0	4.5	5.2
22	4.0	2.7	3.4	2.7	1.9	2.2	4.8	0.5	1.2	6.5	5.5	6.0
23	5.0	1.8	2.9	2.0	1.0	1.5	5.1	0.4	1.3	6.6	5.6	6.1
24	4.9	2.5	3.7	1.6	1.0	1.2	2.4	1.5	2.0	6.7	5.7	6.2
25	5.3	3.4	4.4	2.0	1.0	1.5	3.1	1.7	2.1	6.7	5.0	5.6
26	4.9	3.5	4.3	2.9	1.9	2.4	4.3	2.6	2.8	6.1	5.0	5.5
27	4.8	3.8	4.1	2.6	1.7	2.1	3.4	2.7	2.9	5.9	5.1	5.3
28	4.7	3.2	4.0	3.7	1.5	1.8	4.3	3.3	3.6	5.3	4.8	5.0
29	---	---	---	3.1	2.0	2.5	5.0	3.5	4.2	6.0	4.7	5.2
30	---	---	---	3.0	2.1	2.5	4.4	3.8	4.1	6.3	5.7	6.0
31	---	---	---	2.7	2.0	2.3	---	---	---	6.2	5.6	5.8
Month	5.7	1.4	3.6	4.6	0.6	2.2	6.4	0.4	3.2	8.0	3.7	5.3

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

**SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	6.4	5.3	5.6	7.7	6.5	7.0	---	---	---	11.4	10.7	11.1
2	6.0	5.4	5.7	7.7	7.4	7.6	10.2	9.3	9.7	11.5	11.2	11.4
3	6.8	5.1	6.1	8.2	7.5	7.8	10.3	9.0	9.4	11.4	10.9	11.2
4	6.3	5.1	5.8	7.9	6.9	7.4	9.9	8.9	9.3	11.3	10.9	11.1
5	6.2	5.7	5.9	7.6	7.2	7.4	10.6	8.8	9.4	11.7	10.2	10.7
6	7.3	5.7	5.9	7.6	7.0	7.2	10.8	8.8	9.6	11.3	10.2	10.7
7	7.3	5.6	6.1	7.6	7.0	7.2	10.9	8.9	9.4	11.4	10.1	10.8
8	6.7	5.6	5.9	7.5	6.7	7.2	9.4	8.9	9.1	11.2	10.2	10.7
9	6.7	5.3	5.9	7.6	6.7	7.0	10	8.6	9.1	11.3	10.2	10.8
10	7.0	5.5	6.1	8.5	6.7	7.1	9.8	8.7	9.2	11.4	10.0	10.7
11	7.0	6.0	6.5	8.0	6.5	7.1	---	---	---	11.2	10.7	10.8
12	6.4	5.6	6.0	8.1	7.3	7.7	10.9	10.3	10.6	11.3	10.7	11.0
13	6.5	5.6	6.2	8.2	7.5	7.7	10.7	10.1	10.4	11.5	10.8	11.3
14	6.8	6.3	6.7	8.1	7.3	7.7	11.5	9.9	10.3	11.7	10.7	11.2
15	6.8	6.5	6.7	8.3	7.0	7.5	11.5	9.8	10.7	11.5	10.4	10.9
16	6.8	6.1	6.6	8.1	7.0	7.5	11.4	10.4	10.8	11.8	11.2	11.5
17	6.6	5.9	6.2	11.7	6.5	7.5	10.9	10.5	10.7	12.2	11.2	11.6
18	6.8	5.5	5.9	10.9	7.0	7.9	11.1	10.4	10.8	12.3	11.1	11.6
19	7.0	5.1	5.7	8.3	7.6	8.1	11.3	10.5	10.9	12.2	11.3	12.0
20	6.7	4.9	5.4	8.1	7.3	7.7	11.1	10.6	10.7	12.0	11.2	11.5
21	6.7	5.0	5.9	9.9	7.8	8.6	10.9	10.3	10.5	12.0	11.3	11.6
22	6.3	5.1	5.7	10.4	8.6	9.4	11.0	10.1	10.6	11.9	10.9	11.2
23	6.7	5.9	6.3	10.9	8.6	9.3	11.2	10.6	10.8	11.3	9.8	10.3
24	6.8	5.9	6.5	11.0	8.3	9.4	11.2	10.6	10.9	11.7	10.2	11.0
25	6.8	6.0	6.4	10.6	8.4	9.4	11.3	10.1	10.6	11.7	10.4	11.0
26	6.7	5.6	5.9	10.0	8.8	9.4	11.3	9.8	10.4	11.5	10.2	10.9
27	7.6	5.7	6.3	10.0	8.6	9.2	10.7	9.8	10.1	11.7	10.2	10.9
28	7.0	5.9	6.3	10.3	8.8	9.3	11.1	10.2	10.7	11.5	9.9	10.6
29	6.3	5.8	6.0	---	---	---	11.2	10.5	10.9	13.1	10.2	11.1
30	6.9	6.2	6.5	---	---	---	11.3	10.4	10.9	13.0	10.9	12.1
31	---	---	---	---	---	---	11.3	10.5	11.0	---	---	---
Month	7.6	4.9	6.1	---	---	---	---	---	---	13.1	9.8	11.1

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

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	14.5	10.5	12.7	12.3	11.7	12.2	12.5	8.1	11.0	8.5	2.0	6.3
2	14.6	10.7	13.6	12.2	11.6	12.1	13.5	11.9	13.0	9.3	1.8	7.2
3	14.8	13.1	14.1	12.3	9.0	11.5	13.3	8.8	12.1	9.2	6.3	8.4
4	14.4	12.3	13.5	12.2	11.5	12.0	12.6	1.9	11.0	8.6	6.0	8.1
5	14.8	10.8	13.7	12.0	8.9	11.3	12.8	11.0	12.0	8.6	7.1	8.3
6	14.5	10.9	11.9	12.8	11.1	11.9	11.9	10.3	11.4	8.5	3.2	6.9
7	13.9	10.7	11.7	12.3	10	11.4	11.4	3.7	10.5	7.8	5.7	7.4
8	13.0	11.2	11.9	11.5	9.0	10.6	9.5	3.4	7.3	7.3	2.7	4.6
9	12.2	11.7	12.0	12.7	7.7	10.7	9.3	6.7	8.6	7.7	2.5	5.0
10	12.2	11.3	11.8	12.9	12.3	12.6	9.9	6.8	9.1	4.1	2.5	3.3
11	12.0	11.4	11.8	12.8	11.2	12.4	10.1	9.3	9.8	4.4	3.5	4.1
12	12.0	9.3	11.2	12.7	7.6	10.4	10.2	9.2	9.9	5.0	3.1	3.9
13	11.8	9.5	10.6	10.2	7.5	9.2	10.2	9.7	10.1	7.3	3.9	6.1
14	11.8	10	11.0	11.7	10.2	11.1	10.9	8.9	10.3	7.6	6.7	7.4
15	11.5	10.2	11.1	12.0	10.2	11.0	12.2	10.1	11.3	7.9	5.0	7.6
16	12.1	10.8	11.6	10.7	7.0	9.3	12.3	11.5	12.1	9.3	4.1	8.2
17	11.3	10.6	10.9	11.4	5.5	8.3	12.2	11.0	11.9	9.3	3.7	7.9
18	10.9	10.2	10.7	12.4	10.3	11.7	12.8	12.0	12.2	9.2	4.9	7.3
19	11.1	10.2	10.7	12.3	11.7	12.1	13.2	12.2	12.8	9.1	4.6	6.5
20	10.8	9.8	10.3	12.4	6.5	11.9	12.8	11.8	12.5	6.8	4.9	5.6
21	10.9	9.8	10.5	11.7	2.5	8.2	12.6	11.7	12.3	6.7	6.2	6.5
22	11.0	10.0	10.5	9.6	3.4	6.4	12.5	10.9	12.0	6.5	5.4	5.8
23	10.3	7.7	9.4	8.9	2.8	6.7	11.5	8.0	10.4	6.4	4.8	5.6
24	10.5	7.3	8.8	10.7	8.5	9.7	12.2	10.5	11.6	6.4	5.6	6.2
25	11.5	8.8	10.3	10.7	10.0	10.5	11.5	8.1	10.4	6.4	2.2	4.7
26	13.4	9.5	11.8	11.4	10.3	10.8	9.1	7.5	8.0	6.2	2.2	4.4
27	13.7	11.3	13.2	12.0	10.4	11.4	7.6	6.8	7.1	5.9	4.6	5.1
28	13.1	9.9	11.0	12.6	11.2	12.0	9.2	7.3	8.3	8.1	2.5	5.0
29	11.3	9.9	10.4	12.8	11.5	12.1	9.7	8.6	9.3	6.3	1.6	4.2
30	11.0	8.8	10.2	12.6	10.0	11.6	9.7	8.1	9.4	7.1	3.8	5.9
31	12.2	10.4	11.4	---	---	---	9.8	8.3	9.2	8.3	3.6	5.9
Month	14.8	7.3	11.4	12.9	2.5	10.8	13.5	1.9	10.5	9.3	1.6	6.1

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

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	8.1	5.3	7.2	5.4	4.0	4.5	6.5	3.4	5.7	9.2	4.6	6.9
2	7.8	4.1	6.9	4.6	2.9	3.9	6.9	3.4	5.9	8.4	4.6	6.2
3	7.4	3.6	5.3	4.8	2.8	3.9	7.8	3.8	6.7	8.6	4.4	6.5
4	8.3	3.7	5.3	3.8	2.1	3.0	6.3	3.0	5.2	7.1	5.1	5.4
5	4.8	3.5	4.0	4.1	2.2	3.3	7.8	2.9	6.0	7.6	5.3	5.8
6	5.4	3.3	4.4	3.9	2.1	3.1	9.3	3.7	8.5	6.6	4.8	5.5
7	5.4	3.7	4.5	3.6	2.4	3.0	8.7	2.7	4.5	6.5	5.8	6.1
8	4.6	3.1	3.8	2.8	2.5	2.7	5.4	4.4	5.0	6.4	5.9	6.1
9	4.9	2.8	4.2	2.7	1.9	2.4	5.2	4.6	4.9	6.1	5.5	5.9
10	5.0	3.0	4.3	3.0	1.1	2.1	5.7	4.7	5.2	6.0	5.4	5.7
11	5.2	3.3	5.0	3.9	0.9	2.1	5.1	4.6	4.8	6.0	5.0	5.7
12	5.2	4.1	4.9	3.7	1.2	2.6	5.0	4.2	4.6	6.0	5.1	5.8
13	5.6	3.8	4.6	3.2	1.6	2.4	5.1	3.9	4.4	6.4	4.3	5.4
14	6.1	3.0	4.0	3.9	1.5	2.9	5.4	3.7	4.7	7.5	4.7	6.2
15	4.6	2.9	4.0	5.0	1.9	3.7	4.8	3.5	4.4	6.8	5.0	5.9
16	4.7	3.2	4.0	5.9	1.5	4.1	4.1	1.8	3.0	8.0	5.0	5.5
17	5.2	3.1	4.7	4.5	1.4	2.5	3.9	2.9	3.3	5.4	4.8	5.1
18	4.9	1.9	3.1	3.8	1.7	2.9	4.9	2.6	3.7	8.1	5.0	5.6
19	5.4	1.4	4.1	4.9	3.0	4.2	5.1	2.5	3.4	7.2	5.0	6.1
20	5.4	3.8	4.5	6.0	2.4	3.7	5.5	1.9	3.9	7.6	4.7	6.1
21	5.3	3.8	4.2	6.0	2.1	3.7	5.3	3.1	4.7	9.0	5.0	7.6
22	6.0	3.0	4.6	6.0	2.1	3.9	5.1	2.8	4.7	6.8	5.6	6.3
23	5.2	2.1	3.5	6.1	2.1	4.5	5.7	4.6	5.2	6.8	5.7	6.2
24	6.4	4.4	5.1	6.5	3.1	5.8	8.4	2.4	5.6	6.7	5.9	6.3
25	6.7	4.6	5.4	6.5	1.2	5.6	8.8	4.7	7.7	6.7	5.8	6.3
26	5.9	3.8	4.6	5.9	2.5	4.9	10.5	7.5	9.2	6.5	5.2	5.9
27	5.9	4.4	5.1	6.3	2.9	5.1	8.5	4.1	7.1	6.5	5.4	5.9
28	6.0	3.4	4.8	6.6	5.5	6.4	9.7	3.6	7.8	6.9	4.9	5.9
29	---	---	---	6.4	3.0	5.1	9.7	3.8	7.1	7.5	5.1	6.4
30	---	---	---	5.8	2.3	4.0	9.7	6.2	9.0	7.1	5.9	6.5
31	---	---	---	5.9	3.2	4.3	---	---	---	6.4	5.7	6.0
Month	8.3	1.4	4.6	6.6	0.9	3.8	10.5	1.8	5.5	9.2	4.3	6.0

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

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	6.4	5.6	6.0	10.5	6.8	9.0	11.4	9.5	10.1	11.7	10.8	11.2
2	6.4	5.5	6.0	9.2	7.4	7.9	11.1	9.6	10.1	11.5	11.2	11.4
3	6.8	5.1	6.2	8.2	7.4	7.8	10.9	9.5	10.1	11.5	11.1	11.3
4	6.5	5.1	6.0	8.0	7.3	7.6	11.3	9.2	10.1	11.3	10.9	11.2
5	6.4	5.7	6.1	7.9	7.2	7.5	11.7	9.0	10.3	11.8	10.6	11.2
6	7.6	5.8	6.1	8.0	7.1	7.3	11.3	9.3	10.1	11.7	10.8	11.2
7	7.8	6.1	6.6	8.1	7.1	7.6	11.2	9.8	10.6	11.5	10.4	11.0
8	7.3	5.8	6.4	8.5	7.3	7.8	11.7	9.7	10.7	11.4	10.4	11.0
9	7.6	5.5	6.5	9.3	7.1	8.3	12.8	9.7	12.2	11.3	10.2	10.8
10	7.7	5.7	6.7	9.4	6.9	8.3	13.4	9.2	12.1	11.5	10.0	10.9
11	7.7	6.2	6.8	10.1	6.9	8.6	---	---	---	11.6	10.7	11.0
12	7.3	5.8	6.5	11.7	7.5	9.1	12.2	10.4	11.0	11.4	10.8	11.0
13	7.4	6.2	6.8	11.5	8.0	9.2	13.0	10.4	11.5	11.6	10.9	11.3
14	7.0	6.6	6.7	12.2	7.5	10.3	12.8	10.5	11.7	11.7	11.0	11.4
15	6.8	6.5	6.7	12.6	8.6	11.1	12.2	10.9	11.6	11.6	10.5	11.0
16	6.8	6.4	6.7	12.2	7.8	11.6	11.6	10.8	11.2	11.9	11.3	11.5
17	6.7	6.0	6.4	12.4	7.3	11.2	11.0	10.6	10.8	12.4	11.3	11.7
18	7.2	5.8	6.5	11.6	7.3	10.4	11.1	10.6	10.8	12.4	11.2	11.7
19	7.5	5.5	6.6	13.1	8.9	11.4	11.3	10.7	11.1	12.2	11.5	12.0
20	8.0	5.2	6.3	13.9	10.7	12.9	11.3	10.6	10.8	12.1	11.3	11.6
21	9.4	6.4	7.5	13.9	10.9	13.0	11.2	10.4	10.7	13.1	11.3	11.8
22	11.8	6.0	8.8	13.5	8.7	11.1	11.3	10.2	10.7	12.0	11.0	11.5
23	9.6	7.0	8.5	13.9	8.8	11.1	11.5	10.7	11.0	13.7	11.0	12.6
24	9.5	6.3	7.4	13.3	10.2	12.1	11.7	10.7	11.0	13.7	11.2	12.8
25	7.5	6.4	6.9	12.8	10.0	11.6	11.7	10.4	10.9	13.3	11.3	12.4
26	8.0	6.1	7.1	12.4	9.7	10.9	11.5	10.2	10.9	13.7	11.3	12.7
27	8.2	6.6	7.4	12.1	9.2	10.5	11.6	10.0	11.1	14.0	11.3	12.4
28	8.6	6.4	7.1	12.0	9.4	10.6	12.1	10.4	11.3	16.8	10.4	12.8
29	8.9	6.0	7.1	11.4	9.5	10.4	11.3	10.7	11.0	19.0	13.1	16.5
30	10.2	6.5	8.1	10.9	9.2	10.1	11.3	10.4	11.0	18.5	12.4	15.1
31	---	---	---	10.4	9.7	10.1	11.9	10.6	11.2	---	---	---
Month	11.8	5.1	6.8	13.9	6.8	9.9	---	---	---	19.0	10.0	11.9

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

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

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	October			November			December			January		
1	8.8	7.9	8.4	8.5	8.0	8.3	6.9	6.3	6.7	7.6	7.2	7.4
2	8.8	8.4	8.6	8.7	7.6	8.3	6.9	6.7	6.8	7.3	7.1	7.2
3	9.1	8.4	8.8	8.3	7.6	7.9	7.3	6.8	7.1	7.7	7.1	7.3
4	9.1	8.6	8.8	8.1	7.7	7.9	7.2	6.9	7.2	7.6	7.0	7.2
5	9.1	8.5	8.9	8.3	7.6	8.1	7.4	7.2	7.2	7.4	7.1	7.3
6	8.9	8.6	8.7	8.8	8.0	8.2	7.6	7.3	7.4	7.4	7.2	7.3
7	8.6	7.8	8.4	8.6	8.0	8.2	7.6	7.3	7.4	7.3	7.1	7.2
8	8.4	7.8	8.0	8.4	7.8	8.2	7.5	7.2	7.4	7.3	7.2	7.3
9	8.0	7.5	7.9	8.3	8.0	8.2	7.7	7.4	7.5	7.5	7.2	7.3
10	8.2	7.7	8.0	8.4	7.8	8.2	7.6	7.4	7.5	7.5	7.3	7.4
11	8.3	7.6	8.2	8.4	7.8	8.1	7.7	7.2	7.5	7.6	7.4	7.4
12	8.5	7.7	8.3	8.3	7.4	7.6	8.2	7.2	7.4	7.7	7.4	7.5
13	8.4	8.1	8.2	7.7	7.4	7.6	8.1	7.1	7.4	7.9	7.3	7.4
14	8.2	7.9	8.1	7.7	7.4	7.6	8.6	7.2	7.8	7.5	7.2	7.3
15	8.3	8.0	8.2	7.7	7.4	7.6	8.5	7.4	8.0	7.5	7.2	7.3
16	8.3	7.6	8.2	7.8	7.4	7.6	7.6	7.1	7.2	7.4	7.3	7.4
17	8.3	8.0	8.2	8.0	7.4	7.6	8.2	7.1	7.3	8.0	7.3	7.6
18	8.4	7.9	8.1	7.5	6.9	7.3	8.3	7.3	7.6	7.9	7.6	7.7
19	8.5	7.9	8.2	7.6	6.8	7.1	7.5	7.1	7.3	8.0	7.4	7.6
20	8.3	7.9	8.1	7.4	6.9	7.2	8.5	7.1	8.1	7.8	7.4	7.5
21	8.4	8.0	8.2	7.6	7.1	7.3	8.6	8.0	8.3	7.8	7.5	7.6
22	8.3	8.2	8.2	7.7	7.3	7.4	8.7	7.6	8.4	7.8	7.6	7.7
23	8.3	8.1	8.2	7.4	7.0	7.1	8.5	7.6	8.3	7.7	7.5	7.6
24	8.1	7.8	8.0	7.0	6.7	6.9	8.4	7.8	8.1	7.8	7.4	7.5
25	8.1	7.9	8.0	7.1	6.7	6.8	8.4	7.6	7.9	8.0	7.2	7.3
26	8.1	8.0	8.1	7.1	6.6	6.8	7.7	7.5	7.6	7.9	7.1	7.3
27	8.1	7.7	7.9	7.1	6.9	7.0	8.0	7.6	7.7	7.9	7.5	7.6
28	7.9	7.6	7.8	7.2	7.0	7.1	8.0	7.7	7.8	8.6	7.4	7.6
29	8.0	7.8	7.9	7.2	6.8	7.0	7.8	7.4	7.6	7.4	7.1	7.2
30	8.3	8.0	8.0	6.9	6.4	6.4	7.7	7.2	7.4	7.5	7.3	7.3
31	8.5	8.0	8.3	---	---	---	7.5	7.2	7.3	7.7	7.3	7.4
Max	9.1	8.6	8.9	8.8	8.0	8.3	8.7	8.0	8.4	8.6	7.6	7.7
Min	7.9	7.5	7.8	6.9	6.4	6.4	6.9	6.3	6.7	7.3	7.0	7.2

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

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

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	February			March			April			May		
1	7.9	7.3	7.6	8.6	7.5	8.2	8.2	7.7	7.9	8.6	7.2	8.1
2	8.1	7.5	7.6	8.4	7.7	7.9	8.0	7.4	7.6	8.2	7.7	8.0
3	7.7	7.4	7.5	8.2	7.6	8.0	7.7	6.8	7.3	8.1	7.4	7.8
4	8.2	7.3	7.4	8.2	7.8	7.8	7.5	7.1	7.2	7.8	7.5	7.6
5	7.3	7.2	7.3	8.3	7.6	8.1	7.2	7.0	7.1	7.8	7.4	7.6
6	8.2	7.2	7.3	8.6	7.9	8.2	7.8	7.0	7.2	7.7	7.4	7.6
7	8.3	7.6	8.0	8.5	8.1	8.3	7.9	7.2	7.4	7.7	7.3	7.6
8	8.2	7.6	7.7	8.7	8.2	8.5	7.7	7.3	7.5	7.7	7.4	7.5
9	8.1	7.4	7.9	8.7	8.1	8.5	8.0	7.5	7.7	7.8	7.5	7.6
10	7.9	7.6	7.7	9.2	8.4	8.8	8.3	7.5	7.8	8.1	7.4	7.6
11	8.6	7.5	7.8	9.3	8.3	9.0	7.8	7.5	7.6	8.3	7.5	7.8
12	8.8	8.1	8.4	9.3	8.2	9.0	8.3	7.5	7.7	8.4	7.9	8.2
13	8.8	8.3	8.6	9.3	8.7	8.9	8.2	7.6	7.9	8.3	7.4	7.8
14	8.4	7.6	7.8	9.3	8.9	9.1	8.0	7.8	7.9	7.8	7.3	7.6
15	8.2	7.6	8.0	9.2	9.0	9.1	7.8	7.5	7.7	8.0	7.3	7.8
16	8.2	7.5	7.9	9.0	7.4	9.0	7.6	7.3	7.4	8.0	7.7	7.8
17	8.6	8.0	8.4	8.5	7.6	8.1	7.6	7.4	7.4	7.8	7.4	7.6
18	8.3	7.5	8.0	8.8	8.0	8.4	7.9	7.4	7.6	7.5	7.3	7.4
19	8.1	7.4	7.6	9.0	8.5	8.7	8.2	7.5	7.8	7.6	7.3	7.4
20	8.2	7.6	7.9	9.0	8.6	8.8	8.3	7.6	7.9	8.0	7.4	7.6
21	8.2	7.7	7.8	8.9	8.7	8.8	8.8	6.9	8.0	8.4	6.9	7.6
22	8.5	7.5	7.7	9.0	8.6	8.7	8.5	7.0	7.6	7.7	7.2	7.4
23	7.9	7.3	7.4	9.2	8.7	9.0	7.9	6.9	7.4	7.5	7.1	7.3
24	8.1	7.5	7.8	9.2	8.7	8.9	8.0	7.2	7.3	7.6	7.2	7.3
25	7.9	7.5	7.7	9.0	8.4	8.7	7.6	7.2	7.4	7.6	7.1	7.4
26	8.8	7.4	7.7	8.9	8.0	8.4	8.0	7.1	7.3	7.6	7.1	7.3
27	8.8	7.3	8.3	8.6	7.8	8.3	8.0	7.3	7.5	8.0	7.3	7.5
28	8.8	7.7	8.5	8.2	7.2	7.9	7.8	7.2	7.5	8.0	7.3	7.7
29	---	---	---	8.4	7.5	7.8	8.2	7.2	7.6	8.1	7.2	7.6
30	---	---	---	8.6	7.6	8.2	8.3	7.5	7.9	7.9	7.0	7.5
31	---	---	---	8.5	7.9	8.1	---	---	---	7.9	7.1	7.5
Max	8.8	8.3	8.6	9.3	9.0	9.1	8.8	7.8	8.0	8.6	7.9	8.2
Min	7.3	7.2	7.3	8.2	7.2	7.8	7.2	6.8	7.1	7.5	6.9	7.3

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

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

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

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

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

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

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

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

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	February			March			April			May		
1	8.3	7.4	7.6	8.3	6.8	7.6	7.3	6.6	6.7	7.4	6.6	6.8
2	7.8	7.4	7.5	8.3	7.5	7.7	6.9	6.6	6.6	7.6	6.8	7.0
3	8.4	7.4	7.7	8.0	7.5	7.8	6.9	6.6	6.7	8.0	6.7	7.4
4	8.3	7.3	7.7	8.0	7.6	7.7	7.1	6.6	6.6	7.8	6.9	7.6
5	8.0	7.6	7.7	8.1	7.4	7.9	7.3	6.6	6.7	7.7	6.8	7.4
6	8.5	7.6	7.9	8.4	7.7	8.0	7.2	6.7	6.7	7.6	7.3	7.5
7	8.7	8.1	8.4	8.3	7.9	8.1	7.6	6.7	7.2	7.7	7.3	7.5
8	8.5	8.0	8.1	8.5	8.0	8.3	7.6	7.2	7.3	7.6	7.3	7.4
9	8.5	7.8	8.4	8.5	7.9	8.2	7.6	7.3	7.5	7.5	7.3	7.3
10	8.4	8.1	8.2	8.8	7.4	8.1	7.6	6.9	7.3	7.3	7.0	7.2
11	8.5	8.0	8.2	9.0	7.3	8.3	7.6	7.2	7.5	7.3	6.8	7.0
12	8.6	7.9	8.1	8.9	7.7	8.0	8.1	7.4	7.5	7.4	6.6	6.7
13	8.6	7.6	8.1	8.5	7.6	8.2	8.0	7.5	7.7	7.8	6.5	7.1
14	8.4	7.5	8.0	8.6	7.1	7.6	7.8	7.4	7.6	7.4	6.5	6.9
15	8.6	7.9	8.4	8.8	7.2	7.6	7.8	7.4	7.6	7.5	6.6	7.0
16	8.7	8.1	8.5	8.8	7.4	8.2	7.4	7.3	7.3	7.6	6.5	7.4
17	8.8	8.5	8.7	8.3	7.3	7.8	7.4	7.3	7.3	7.5	6.8	7.2
18	8.6	7.7	8.2	8.4	7.8	8.1	7.4	7.0	7.3	7.2	6.4	7.1
19	8.0	7.6	7.9	8.7	7.6	8.0	8.1	6.9	7.3	7.1	6.7	6.8
20	8.3	7.9	8.1	8.7	7.5	8.3	7.9	6.8	7.0	7.4	6.6	7.0
21	8.2	7.5	7.9	8.6	7.2	8.2	7.4	6.8	6.9	7.2	6.5	6.6
22	8.0	7.3	7.6	8.6	6.7	7.2	7.2	6.8	6.8	7.5	6.8	7.1
23	8.1	7.4	7.5	8.5	6.6	6.8	7.1	6.8	6.8	7.4	7.0	7.2
24	8.2	7.6	7.9	7.9	6.7	6.7	7.3	6.8	6.9	7.4	7.0	7.2
25	8.0	7.4	7.8	7.9	6.6	6.7	7.2	6.8	6.9	7.3	6.9	7.0
26	8.7	7.4	7.7	7.6	6.6	6.7	6.9	6.7	6.8	7.2	6.9	7.0
27	7.5	7.0	7.3	7.7	6.6	6.7	7.3	6.7	6.8	7.4	6.8	7.0
28	8.6	6.7	7.3	6.7	6.6	6.6	7.4	6.6	6.7	7.6	6.8	7.0
29	---	---	---	7.5	6.6	6.6	8.0	6.7	6.8	7.5	6.8	6.9
30	---	---	---	7.8	6.6	6.8	6.8	6.6	6.7	7.6	6.7	7.0
31	---	---	---	7.3	6.6	6.8	---	---	---	7.6	6.9	7.3
Max	8.8	8.5	8.7	9.0	8.0	8.3	8.1	7.5	7.7	8.0	7.3	7.6
Min	7.5	6.7	7.3	6.7	6.6	6.6	6.8	6.6	6.6	7.1	6.4	6.6

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

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

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

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

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	23.9	22.4	23.1	17.2	15.8	16.1	15.5	13.0	14.4	13.6	12.1	12.6
2	23.9	22.8	23.2	17.5	16.1	16.9	14.9	13.7	14.2	12.6	11.6	12.1
3	24.1	22.8	23.2	16.1	13.9	15.2	13.9	12.4	13.2	12.4	11.0	11.9
4	24.4	22.8	23.3	15.2	12.5	13.9	13.0	11.8	12.3	12.8	11.3	12.1
5	25.4	22.8	23.5	14.4	11.8	12.9	12.2	10.9	11.4	13.9	12.4	12.8
6	24.1	23.4	23.7	13.9	11.4	12.5	11.8	10.9	11.4	14.6	13.3	14.1
7	23.4	22.0	22.5	13.8	12.5	13.2	11.4	10.7	11.2	14.4	13.4	14.0
8	22.3	22.0	22.2	14.7	13.6	14.1	11.0	9.2	9.9	14.8	14.0	14.5
9	22.0	21.6	21.8	15.2	14.2	14.7	9.8	7.4	8.7	14.0	12.3	13.2
10	22.4	21.6	21.9	15.3	14.7	15.0	9.0	6.9	7.9	12.5	9.6	11.2
11	22.1	21.4	21.7	16.6	15.0	15.6	10.5	6.7	8.4	11.1	9.4	10.3
12	22.3	21.4	21.9	16.4	14.6	15.6	10.7	8.1	9.5	11.0	9.9	10.5
13	22.3	20.6	21.3	14.7	13.8	14.3	10.5	9.5	9.9	11.8	10.4	11.0
14	20.7	19.2	20.2	15.1	14.3	14.5	10.6	9.7	10.1	12.9	11.3	11.9
15	20.3	18.8	19.5	15.2	14.6	14.9	11.9	10.2	11.0	13.3	11.6	12.6
16	20.1	18.5	19.1	16.2	14.9	15.5	11.6	10.7	11.2	13.2	12.2	12.8
17	19.3	18.9	19.1	16.0	15.2	15.6	11.7	11.1	11.3	12.2	9.8	11.0
18	20.4	19.2	19.7	15.3	14.0	14.6	12.6	11.3	11.8	9.9	8.9	9.2
19	21.0	19.5	20.2	15.0	13.1	14.1	12.1	10.9	11.7	9.6	8.6	9.0
20	21.3	19.9	20.6	15.1	12.4	14.2	11.6	10.3	11.1	9.4	8.6	8.9
21	20.7	19.8	20.3	13.7	12.0	12.6	11.1	9.9	10.7	9.1	7.5	8.3
22	20.2	19.5	19.8	13.4	11.9	12.9	11.8	10.8	11.3	8.3	7.7	7.9
23	19.7	18.0	19.2	12.6	11.8	12.2	13.0	11.7	12.3	7.8	7.3	7.6
24	18.0	15.7	16.7	12.4	11.3	11.8	13.0	12.3	12.7	7.8	7.0	7.6
25	16.0	14.9	15.4	12.7	11.0	11.8	12.8	12.0	12.4	8.0	7.0	7.5
26	15.3	14.0	14.5	12.6	10.9	11.8	13.2	12.5	12.8	7.1	5.9	6.7
27	15.7	14.5	15.0	12.7	11.9	12.3	12.6	11.7	12.1	7.4	6.2	6.7
28	17.0	15.3	16.2	12.8	12.2	12.6	12.2	11.7	11.9	7.8	6.9	7.3
29	16.2	14.7	15.6	13.1	12.0	12.5	12.0	11.4	11.8	7.3	5.4	6.1
30	15.9	14.8	15.2	14.0	12.3	13.2	12.1	11.1	11.8	5.7	4.6	5.3
31	16.5	15.6	15.9	---	---	---	12.2	11.6	12.0	5.5	4.5	5.2
Month	25.4	14.0	19.9	17.5	10.9	13.9	15.5	6.7	11.4	14.8	4.5	10.1

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

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	5.6	4.4	4.9	10.5	8.9	9.7	17.7	16.3	16.9	23.2	20.6	21.7
2	5.2	4.4	4.7	12.2	9.9	11.1	19.7	17.1	17.9	23.6	20.8	21.9
3	5.8	4.9	5.3	12.1	11.4	11.7	19.9	15.4	18.4	22.6	21.2	21.9
4	6.0	4.9	5.4	11.7	11.0	11.4	19.9	17.9	18.9	21.2	20.1	20.6
5	5.6	4.9	5.3	11.0	9.6	10.6	19.3	17.7	18.5	20.2	19.4	19.9
6	4.9	4.3	4.6	11.0	9.8	10.2	17.7	16.1	16.7	20.0	18.7	19.6
7	5.7	4.1	4.8	10.9	9.4	10.0	16.8	14.1	15.1	18.7	17.4	18.0
8	5.1	4.5	4.8	11.0	10.0	10.4	14.2	13.3	13.9	17.4	16.8	17.2
9	5.2	4.0	4.6	11.2	9.4	10.1	14.2	13.0	13.5	18.4	17.0	17.7
10	5.4	4.3	4.8	11.3	9.7	10.5	13.8	12.3	13.1	20.0	18.0	18.6
11	5.6	4.2	4.7	12.1	10.9	11.3	13.4	13.0	13.2	21.9	19.2	20.2
12	6.2	4.8	5.4	12.0	11.0	11.5	16.5	13.4	14.4	22.0	20.6	21.5
13	7.8	5.9	6.6	13.3	11.5	12.2	15.9	14.5	15.0	21.8	20.2	21.1
14	7.2	6.1	6.8	14.1	12.7	13.4	15.8	14.7	15.1	20.6	19.5	20.0
15	7.1	6.2	6.6	15.0	13.6	14.2	16.4	15.3	15.9	21.5	20.1	20.7
16	6.4	5.5	6.0	15.0	12.9	14.5	16.3	14.2	15.1	22.1	20.6	21.3
17	6.8	5.2	6.1	13.6	12.2	12.8	14.8	13.7	14.2	21.7	21.0	21.4
18	6.4	5.6	5.9	12.2	11.2	11.6	14.8	14.0	14.4	21.0	19.9	20.4
19	5.8	4.6	5.2	12.3	10.5	11.5	14.6	13.6	14.2	20.5	19.5	20.0
20	7.3	4.8	5.8	13.9	11.2	12.2	15.0	13.7	14.3	21.4	19.5	20.4
21	7.3	6.2	6.8	13.3	12.4	12.8	17.5	14.0	15.1	23.2	19.8	21.1
22	8.9	6.6	7.7	14.2	12.6	13.2	17.9	15.0	16.0	22.2	20.8	21.4
23	8.5	7.3	7.8	16.4	13.6	14.6	18.7	14.8	17.4	21.9	20.9	21.4
24	7.7	6.6	7.2	17.0	14.7	15.5	19.7	16.9	17.9	22.6	21.1	21.7
25	8.1	7.2	7.6	17.0	15.4	16.3	19.8	18.2	18.9	23.4	21.8	22.4
26	10.7	8.0	8.9	17.7	14.9	15.8	20.8	19.0	19.6	24.7	22.3	23.0
27	10.7	8.1	9.4	18.0	15.5	16.6	21.3	19.9	20.6	25.9	23.2	24.1
28	10.8	8.6	9.9	18.7	16.5	17.9	21.4	20.4	20.9	26.1	24.1	25.0
29	---	---	---	18.0	16.0	16.8	21.7	20.0	20.7	26.9	24.4	25.1
30	---	---	---	17.4	14.9	15.8	21.9	20.0	21.0	26.0	24.5	25.1
31	---	---	---	17.4	15.4	16.1	---	---	---	25.8	24.5	25.1
Month	10.8	4.0	6.2	18.7	8.9	13.0	21.9	12.3	16.6	26.9	16.8	21.3

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

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	26.0	24.6	25.0	28.2	27.4	27.8	---	---	---	28.7	28.1	28.4
2	25.3	24.4	24.9	27.6	26.6	27.1	30.5	28.4	29.1	28.1	27.3	27.7
3	25.1	24.1	24.6	27.6	26.1	26.7	29.4	28.5	29.0	27.8	26.7	27.2
4	25.6	24.0	24.8	26.9	26.0	26.3	30.5	28.1	29.0	28.0	26.6	27.1
5	26.5	24.6	25.3	27.1	25.7	26.4	30.0	28.9	29.4	28.1	26.8	27.2
6	26.4	25.0	25.7	28.0	26.3	27.0	30.4	28.8	29.7	27.8	26.7	27.1
7	26.8	25.0	25.8	28.0	27.0	27.4	30.9	29.3	30.1	28.3	26.8	27.4
8	28.7	25.5	26.6	28.5	27.1	27.7	31.8	29.8	30.8	27.5	26.8	27.0
9	28.4	26.8	27.6	29.1	27.7	28.3	32.7	30.9	31.5	27.5	26.6	26.9
10	27.9	27.0	27.4	29.4	27.4	28.6	32.0	30.5	31.1	28.0	26.4	26.8
11	27.3	26.1	26.6	29.5	27.6	28.3	---	---	---	27.9	26.9	27.3
12	27.2	26.1	26.5	29.1	27.6	28.2	30.2	28.4	29.0	27.3	26.9	27.1
13	26.6	25.7	26.1	29.6	28.1	28.6	30.4	28.2	29.1	27.0	26.5	26.7
14	25.9	24.9	25.4	29.3	27.7	28.4	30.4	29.2	29.6	27.0	26.3	26.6
15	25.2	24.1	24.7	29.4	28.1	28.7	30.3	29.0	29.4	26.8	26.1	26.6
16	25.7	24.0	24.5	29.4	28.1	28.8	29.8	28.8	29.4	26.4	25.1	25.6
17	27.2	24.0	24.6	30.0	28.0	28.9	29.5	28.5	29.1	25.2	24.2	24.6
18	26.8	24.4	25.6	29.9	27.9	28.9	29.4	28.4	28.9	24.4	23.6	23.9
19	27.9	24.8	26.5	30.8	28.6	29.5	29.0	27.9	28.4	24.1	23.5	23.8
20	27.5	26.2	26.8	30.3	29.1	29.7	29.8	27.9	28.5	23.8	23.6	23.6
21	27.8	26.0	26.6	29.1	27.8	28.4	31.4	28.4	29.1	24.5	23.4	23.9
22	28.0	25.7	26.7	27.8	26.4	26.9	30.1	28.4	29.2	24.9	23.8	24.2
23	27.6	26.4	26.9	27.6	25.9	26.4	30.0	28.8	29.3	27.3	24.7	25.7
24	27.4	26.2	26.7	27.6	26.4	27.0	30.5	28.9	29.5	26.4	24.7	25.8
25	28.8	26.7	27.3	27.7	26.4	27.1	30.9	29.0	29.6	27.2	24.8	25.6
26	28.9	27.1	27.5	29.8	26.5	27.5	29.7	28.9	29.5	27.0	24.8	25.7
27	29.1	27.6	28.0	29.7	27.4	28.2	29.7	28.7	29.0	26.8	25.4	25.9
28	29.4	27.6	28.3	29.0	27.7	28.4	30.0	28.6	29.2	26.5	25.3	25.8
29	29.3	28.1	28.6	---	---	---	29.7	28.5	29.0	25.8	24.5	24.9
30	29.0	27.3	28.1	---	---	---	30.3	28.1	29.0	24.6	23.0	23.7
31	---	---	---	---	---	---	29.3	28.2	28.8	---	---	---
Month	29.4	24.0	26.3	---	---	---	---	---	---	28.7	23.0	26.0

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

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	23.8	23.1	23.5	16.0	15.8	15.9	13.7	13.1	13.2	13.4	12.3	12.5
2	23.7	22.9	23.6	16.3	15.8	16.0	13.3	13.1	13.2	13.1	12.3	12.5
3	23.7	23.2	23.6	16.2	15.0	15.5	14.1	13.2	13.5	12.4	12.3	12.4
4	23.6	23.1	23.4	15.4	14.0	14.9	14.0	12.3	13.5	12.5	12.4	12.4
5	23.5	22.8	23.3	14.7	11.8	13.6	14.0	13.4	13.7	12.5	12.4	12.5
6	24.0	23.3	23.6	14.6	13.4	14.1	13.6	13.0	13.3	14.4	12.5	13.0
7	23.4	21.9	22.6	14.4	13.5	14.0	13.5	11.0	13.1	13.5	12.8	13.0
8	22.7	22.0	22.2	14.3	13.7	14.1	11.6	10.3	11.0	14.8	12.9	14.0
9	22.1	21.6	21.8	14.8	14.2	14.5	11.5	9.1	10.9	14.1	12.5	13.5
10	22.4	21.6	21.9	14.9	14.8	14.8	11.2	9.1	10.9	12.5	10.5	11.5
11	22.2	21.6	21.8	15.1	14.9	14.9	11.0	10.7	10.8	11.9	10.9	11.6
12	22.2	21.6	21.9	15.6	14.6	15.0	11.2	10.7	10.9	11.9	10.7	11.4
13	22.1	21.2	21.5	14.6	14.1	14.3	11.1	10.7	10.9	12.1	11.5	12.0
14	21.5	20.2	20.8	14.5	14.4	14.5	11.1	10.6	10.9	12.0	11.6	11.8
15	20.3	19.1	19.9	14.6	14.4	14.5	11.1	10.6	10.8	12.7	11.5	11.7
16	20.4	19.2	19.9	15.9	14.5	15.1	10.9	10.3	10.6	12.7	11.6	11.8
17	19.5	18.9	19.2	15.8	15.4	15.6	11.0	10.6	10.8	12.2	10.0	11.4
18	19.8	19.2	19.5	15.7	15.4	15.7	11.0	10.3	10.7	11.4	9.2	10.4
19	20.3	19.5	19.7	15.7	15.6	15.6	10.8	10.4	10.5	11.4	9.0	10
20	21.3	19.6	20.4	15.6	13.3	15.5	10.9	10.5	10.6	9.5	8.8	9.1
21	20.7	19.9	20.4	15.6	11.9	13.7	10.9	10.7	10.8	9.3	8.5	8.9
22	20.5	19.5	19.7	14.2	12.2	13.1	11.3	10.9	11.0	8.8	7.9	8.1
23	19.7	18.0	19.2	13.6	12.5	13.1	12.5	11.3	11.6	8.4	7.8	8.1
24	18.2	16.4	17.1	13.3	13.1	13.2	11.8	11.1	11.4	8.4	8.1	8.3
25	16.8	15.2	16.0	13.2	13.0	13.2	12.7	11.4	11.8	8.4	7.1	8.0
26	16.2	14.5	15.8	13.2	13.0	13.1	13.2	12.6	12.9	7.5	6.4	7.1
27	16.1	15.5	16.0	13.2	13.0	13.1	12.6	11.7	12.2	7.3	6.3	6.9
28	17.3	15.6	16.3	13.2	13.0	13.1	12.3	12.1	12.3	7.8	7.1	7.4
29	16.2	15.3	15.8	13.3	13.0	13.1	12.4	12.2	12.3	7.4	5.9	6.4
30	15.8	14.9	15.4	13.2	13.0	13.1	12.4	12.2	12.3	6.8	5.1	6.4
31	16.0	15.6	15.8	---	---	---	12.4	12.3	12.3	6.6	4.8	5.7
Month	24.0	14.5	20.1	16.3	11.8	14.3	14.1	9.1	11.8	14.8	4.8	10.3

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

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	6.5	5.5	6.1	10.5	8.6	9.4	15.8	14.1	14.4	20.8	17.8	19.3
2	6.5	5.3	6.1	12.3	9.8	11.0	16.8	14.3	14.9	21.4	18.6	20.1
3	6.2	5.0	5.6	11.8	11.2	11.5	17.6	14.6	15.1	22.5	18.5	20.4
4	6.3	5.2	5.8	11.8	11.1	11.5	19.1	15.3	16.5	21.2	19.8	20.6
5	5.7	5.2	5.5	11.3	10.3	10.6	19.2	15.4	16.5	20.1	19.3	19.7
6	5.7	4.5	4.8	10.6	9.8	10.3	17.5	15.6	15.9	20.1	18.7	19.6
7	5.5	4.5	4.9	10.9	9.4	10.1	16.4	13.9	15.2	18.7	17.4	18.0
8	5.2	4.6	4.9	11.0	10.0	10.4	15.2	13.6	14.1	17.4	16.8	17.1
9	5.1	4.1	4.8	10.9	9.5	10.1	14.2	13.2	13.6	18.6	17.1	17.8
10	5.2	4.8	5.0	11.1	9.8	10.3	13.8	13.4	13.6	18.9	18.2	18.5
11	5.3	4.6	5.2	11.7	10.5	11.0	13.6	13.1	13.3	20.3	18.4	18.9
12	5.9	5.1	5.4	11.9	11.2	11.5	16.0	13.4	14.4	21.0	18.8	19.3
13	6.0	5.4	5.6	12.2	11.6	11.9	15.9	14.6	15.0	21.7	18.5	20.3
14	7.2	5.4	6.7	12.7	11.9	12.1	15.8	14.8	15.1	20.3	19.2	19.8
15	7.2	6.3	6.5	14.2	11.9	12.5	16.5	15.4	15.9	21.0	19.7	20.3
16	6.6	6.1	6.3	14.9	12.0	13.2	16.4	14.1	15.2	21.9	19.8	20.9
17	6.4	5.9	6.1	13.7	12.3	13.0	14.6	13.8	14.2	21.6	21.0	21.4
18	6.5	5.7	6.0	12.4	11.3	11.7	14.5	14.0	14.3	21.0	20.0	20.5
19	5.7	4.8	5.3	11.9	11.5	11.7	14.6	13.8	14.3	20.1	19.5	19.7
20	6.9	5.2	5.9	12.6	11.2	11.7	15.1	13.8	14.3	20.7	19.6	19.9
21	7.2	6.3	6.9	12.9	11.7	12.3	15.2	14.5	14.6	20.9	19.6	19.9
22	8.4	6.2	7.1	13.9	11.9	12.5	15.1	14.6	14.7	22.2	20.7	21.2
23	8.3	7.4	7.7	14.1	12.0	12.8	15.0	14.7	14.7	22.0	20.9	21.4
24	7.6	7.0	7.4	13.6	12.1	12.3	17.3	14.8	15.3	22.6	21.0	21.7
25	8.0	7.3	7.6	16.0	12.1	12.9	17.2	14.9	15.3	22.6	21.9	22.1
26	9.8	7.8	8.4	15.6	12.7	13.7	16.6	14.8	15.3	23.5	22.1	22.4
27	8.8	7.8	8.2	15.8	13.0	13.8	20.3	15.4	17.0	24.1	22.5	23.0
28	10.3	7.9	8.9	14.0	13.0	13.3	20.4	16.2	17.5	24.8	22.8	23.6
29	---	---	---	16.2	13.4	14.7	21.3	16.6	18.6	24.7	22.6	23.3
30	---	---	---	15.6	13.9	14.9	19.4	17.2	17.8	25.3	22.8	24.0
31	---	---	---	15.8	14.0	14.9	---	---	---	25.5	24.1	24.7
Month	10.3	4.1	6.2	16.2	8.6	12.1	21.3	13.1	15.2	25.5	16.8	20.6

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

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	25.1	24.6	24.9	28.0	26.9	27.3	29.5	27.8	28.4	28.7	28.1	28.4
2	25.1	24.5	24.8	27.6	26.7	27.1	29.3	27.9	28.6	28.2	27.4	27.7
3	25.0	24.3	24.6	27.5	26.1	26.6	29.4	28.1	28.7	27.5	26.7	27.1
4	25.2	24.2	24.6	26.5	26.0	26.1	29.0	28.0	28.6	27.6	26.7	27.0
5	25.9	24.6	25.0	27.0	25.6	26.1	29.6	28.3	28.7	27.4	27.0	27.1
6	26.3	24.9	25.5	27.5	26.2	26.8	30.3	28.6	29.2	27.4	26.9	27.1
7	26.3	24.9	25.4	27.6	27.1	27.2	30.0	28.9	29.3	28.2	26.9	27.4
8	26.8	25.3	25.8	27.6	26.8	27.2	30.4	28.9	29.3	27.4	26.7	27.0
9	27.0	25.6	26.2	28.7	26.8	27.2	31.0	29.0	29.2	27.5	26.6	26.9
10	27.7	25.7	26.7	28.7	27.0	27.5	31.4	28.9	29.5	27.0	26.3	26.6
11	26.8	25.8	26.3	28.5	27.1	27.7	---	---	---	27.5	26.4	27.0
12	26.7	25.9	26.2	28.3	27.3	27.7	29.5	28.4	28.9	27.2	26.8	27.0
13	26.4	25.9	26.1	28.4	27.3	27.8	29.1	28.2	28.7	26.9	26.5	26.7
14	26.1	24.8	25.5	28.2	27.2	27.5	29.3	28.8	28.9	27.0	26.2	26.5
15	25.0	24.1	24.6	28.1	27.1	27.4	29.4	28.9	29.1	26.8	26.0	26.5
16	24.7	24.0	24.4	29.1	27.2	27.5	29.7	29.0	29.2	26.4	25.1	25.6
17	24.5	24.0	24.3	29.6	27.4	27.8	29.5	28.6	29.1	25.2	24.2	24.6
18	25.8	24.3	24.6	29.2	27.7	28.1	29.4	28.4	28.9	24.5	23.6	24.0
19	27.1	24.6	25.0	28.5	27.7	27.9	28.9	28.0	28.3	24.1	23.4	23.8
20	26.9	24.9	26.0	28.6	27.7	27.8	29.1	27.8	28.3	23.9	23.6	23.7
21	26.4	25.1	25.8	28.4	27.8	27.9	30.0	28.2	28.7	24.5	23.5	23.8
22	26.2	25.2	25.5	27.8	26.6	27.3	29.8	28.5	28.9	24.2	23.9	24.1
23	26.4	25.4	25.7	27.6	25.9	26.7	29.9	28.7	29.2	25.0	23.8	24.1
24	27.3	25.5	26.3	27.2	26.5	27.0	29.5	28.8	29.2	25.3	23.8	24.3
25	27.4	26.3	26.8	27.1	26.7	26.9	29.6	28.8	29.2	25.1	24.0	24.5
26	27.6	26.2	26.7	27.2	26.8	27.0	29.6	29.0	29.2	25.5	24.0	24.5
27	27.9	26.5	27.0	28.7	27.0	27.5	29.6	28.7	29.1	25.8	24.3	24.9
28	28.5	26.9	27.5	28.6	27.3	27.9	29.7	28.7	29.1	25.9	24.4	25.2
29	28.6	27.0	27.8	28.8	27.6	28.1	29.7	28.5	29.1	25.0	24.4	24.6
30	28.1	26.9	27.3	28.8	27.9	28.3	29.5	28.2	28.8	24.9	23.5	24.5
31	---	---	---	28.8	27.8	28.3	29.2	28.2	28.8	---	---	---
Month	28.6	24.0	25.8	29.6	25.6	27.4	---	---	---	28.7	23.4	25.7

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

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	11.5	6.0	8.7	9.6	6.5	8.4	8.7	7.8	8.3	8.8	6.7	7.9
2	11.9	6.3	9.2	10.6	4.8	7.9	8.9	8.5	8.7	8.7	6.2	7.8
3	15.0	7.3	10.2	9.2	5.5	7.7	9.1	6.3	8.5	9.1	6.3	8.1
4	13.9	8.7	11.1	8.8	5.9	7.0	9.4	8.9	9.1	9.1	5.9	7.4
5	12.7	7.0	10.3	8.7	5.9	7.7	9.5	8.7	9.0	9.2	6.2	7.9
6	10.3	7.0	8.4	11.9	6.7	8.4	10.0	8.7	9.3	9.0	5.9	8.0
7	8.4	4.2	6.7	10.1	6.8	8.4	10.4	9.2	9.8	8.2	5.4	6.9
8	---	---	---	9.0	6.0	7.8	10.0	9.0	9.6	---	---	---
9	---	---	---	9.2	6.4	8.1	10.5	9.2	9.8	---	---	---
10	---	---	---	8.3	5.2	7.2	10.6	9.9	10.2	---	---	---
11	---	---	---	8.6	5.3	7.1	10.9	7.5	9.7	---	---	---
12	9.1	6.6	8.1	8.9	4.8	6.6	11.6	7.3	9.1	---	---	---
13	8.8	7.1	7.8	7.3	4.9	6.4	11.5	6.2	8.9	---	---	---
14	7.6	6.1	7.1	6.4	4.0	5.7	13.2	7.7	10.4	---	---	---
15	8.7	6.9	7.8	6.5	3.9	5.7	12.7	9.2	11.3	---	---	---
16	8.8	3.7	8.0	7.3	4.8	6.0	10.4	5.4	7.7	---	---	---
17	8.4	6.1	7.4	8.3	5.2	6.6	11.3	5.7	8.0	---	---	---
18	9.6	6.4	7.6	8.4	5.3	6.7	11.9	8.0	9.8	---	---	---
19	10.0	6.0	8.0	7.1	4.8	5.9	9.4	4.7	7.5	---	---	---
20	8.2	6.2	7.4	---	---	---	12.0	5.5	10.3	---	---	---
21	8.4	6.9	7.7	---	---	---	11.7	7.0	10.5	---	---	---
22	8.1	7.4	7.8	---	---	---	11.4	7.1	9.6	---	---	---
23	8.4	7.4	7.9	---	---	---	10.4	6.6	9.0	---	---	---
24	8.4	7.1	7.7	---	---	---	10.4	6.6	9.1	---	---	---
25	8.8	7.4	8.0	---	---	---	9.5	6.0	8.2	12.6	11.4	11.8
26	9.3	6.5	8.5	---	---	---	8.3	6.7	7.7	12.1	11.4	11.7
27	8.2	5.4	6.9	---	---	---	9.0	7.2	8.2	12.4	11.7	11.9
28	7.7	6.1	7.1	---	---	---	8.9	6.2	7.8	14.6	11.6	12.2
29	8.7	6.2	7.5	---	---	---	8.9	6.9	8.0	12.2	10.8	11.7
30	9.2	6.1	7.7	8.0	4.6	7.5	9.1	6.0	7.2	12.3	11.2	11.9
31	10.6	6.1	8.3	---	---	---	8.3	5.5	7.0	12.6	11.7	12.2
Month	---	---	---	---	---	---	13.2	4.7	8.9	---	---	---

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

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	12.9	11.6	12.4	11.9	10.1	11.1	10.7	9.6	10.1	11.6	7.6	9.7
2	13.8	12.3	12.7	11.2	10.0	10.3	10.5	8.6	9.5	9.9	8.9	9.4
3	12.8	12.0	12.4	10.5	9.8	10.1	9.8	1.0	8.0	9.7	8.3	9.0
4	14.0	12.0	12.5	10.3	9.5	9.9	8.9	6.0	7.9	9.1	7.7	8.4
5	12.3	11.8	12.0	10.6	9.7	10.2	8.6	7.0	8.0	9.2	8.1	8.6
6	13.8	12.0	12.6	11.5	10.3	10.7	10.4	7.6	8.4	8.9	7.6	8.4
7	14.2	12.9	13.5	11.4	10.5	10.9	9.5	6.3	8.3	9.5	7.7	8.7
8	13.9	13.0	13.4	11.8	10.6	11.1	9.4	7.4	8.4	9.5	8.8	9.1
9	14.1	13.0	13.5	11.9	10.8	11.3	10.4	8.6	9.5	9.6	8.6	9.2
10	13.8	13.3	13.5	13.0	11.2	11.9	11.1	8.2	9.9	10.8	7.5	9.3
11	15.7	13.1	13.9	13.5	10.2	12.1	9.5	8.6	9.1	10.4	7.8	9.3
12	16.2	14.1	14.8	13.3	9.8	12.0	10.3	8.4	9.3	10.3	8.9	9.7
13	15.7	13.9	14.9	13.0	11.0	11.9	10.1	7.8	9.5	9.7	7.7	8.8
14	13.9	12.0	12.7	12.6	11.6	12.0	10.1	8.3	9.4	9.0	6.9	8.3
15	13.2	12.2	12.6	12.0	11.1	11.6	9.3	7.9	8.8	9.5	6.9	8.7
16	13.0	12.3	12.7	11.1	6.3	10.4	9.0	7.9	8.4	9.2	8.6	8.9
17	14.0	12.4	13.1	10.6	9.1	9.8	9.2	8.0	8.6	9.0	7.7	8.3
18	13.2	12.5	12.8	11.6	9.8	10.6	9.9	7.9	8.9	8.3	7.5	7.9
19	13.1	12.3	12.6	12.2	10.6	11.3	10.2	7.9	9.2	9.1	7.7	8.5
20	13.0	12.3	12.7	12.4	10.7	11.6	10.5	8.8	9.7	9.9	7.9	9.2
21	13.2	11.8	12.5	11.8	10.8	11.3	11.5	4.7	9.9	11.2	3.2	8.9
22	13.9	11.5	12.4	11.7	10.9	11.2	11.1	4.9	9.4	8.6	7.0	7.9
23	12.1	11.4	11.6	12.1	10.8	11.5	10.1	4.5	8.7	8.5	7.0	7.8
24	12.9	11.6	12.2	12.4	10.8	11.5	9.6	7.6	8.5	---	---	---
25	12.4	11.2	11.7	11.8	10.2	11.0	9.9	7.6	8.9	---	---	---
26	15.5	10.9	12.4	11.1	9.4	10.1	10.1	8.6	9.3	---	---	---
27	15.3	10.8	12.9	10.7	9.3	10.0	9.7	8.4	9.1	---	---	---
28	13.9	11.2	13.0	10.2	6.1	9.5	9.7	8.1	8.8	---	---	---
29	---	---	---	10.4	8.4	9.6	10.4	7.8	8.9	---	---	---
30	---	---	---	11.5	9.1	10.1	10.5	8.6	9.6	---	---	---
31	---	---	---	11.2	10.0	10.4	---	---	---	---	---	---
Month	16.2	10.8	12.9	13.5	6.1	10.9	11.5	1.0	9.0	---	---	---

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

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	7.1	3.8	5.9	8.1	5.6	6.8	---	---	---	8.5	5.8	7.3
2	7.2	4.1	5.7	8.2	6.1	7.1	9.2	5.9	7.6	7.5	6.5	7.0
3	6.9	4.5	6.0	8.5	5.7	6.9	8.3	5.5	7.1	7.7	6.1	6.8
4	7.8	5.7	7.0	7.2	5.6	6.3	---	---	---	7.6	5.4	6.6
5	8.0	5.9	7.1	6.9	4.8	6.0	---	---	---	7.5	4.1	5.7
6	8.3	3.1	7.1	8.9	5.6	6.8	---	---	---	6.4	3.4	5.3
7	8.4	3.1	6.7	8.4	3.9	7.0	---	---	---	7.6	3.9	5.9
8	10.3	3.3	7.4	9.1	5.1	6.9	---	---	---	6.7	4.7	5.8
9	8.6	6.9	7.8	8.7	4.7	7.9	9.1	7.0	7.8	7.4	5.9	6.4
10	7.7	5.8	6.8	8.8	1.0	6.7	8.5	5.9	7.3	9.2	5.4	6.7
11	8.2	5.4	6.7	7.7	4.8	6.4	---	---	---	7.9	6.2	7.1
12	8.4	6.5	7.1	8.8	4.2	6.3	9.0	5.7	7.0	7.0	5.6	6.3
13	7.8	5.7	6.6	9.9	6.2	7.5	9.4	6.3	7.8	7.1	5.4	6.2
14	6.7	4.8	5.8	8.3	5.7	7.3	10.2	5.0	8.2	7.9	6.2	6.9
15	7.2	4.4	5.8	8.2	6.7	7.3	8.5	3.7	6.7	8.1	6.4	7.2
16	8.9	5.0	6.3	8.0	6.0	7.2	7.4	5.1	6.2	8.0	6.5	7.2
17	9.0	5.2	6.5	9.4	0.8	7.2	6.7	5.1	6.0	8.4	6.8	7.4
18	9.7	2.8	6.7	7.1	1.4	5.7	7.9	5.4	6.8	8.1	7.0	7.5
19	9.2	2.4	6.7	7.1	3.4	5.1	7.9	6.1	7.0	7.6	6.7	7.2
20	7.9	3.8	6.4	7.0	4.1	5.5	9.6	5.7	7.0	7.6	6.9	7.2
21	6.8	3.5	5.2	6.6	3.8	5.1	8.5	5.5	6.9	8.0	6.2	7.1
22	7.7	5.2	6.3	6.0	4.3	5.2	8.8	4.9	6.5	9.3	6.3	7.6
23	7.1	4.3	5.4	5.2	4.0	4.7	7.7	5.0	6.9	9.3	6.6	7.9
24	5.6	3.4	4.4	6.4	2.0	4.6	11.3	3.3	7.1	9.4	3.7	7.6
25	4.9	2.3	3.3	8.5	1.0	5.8	8.9	4.8	7.5	11.0	4.4	8.0
26	6.9	2.3	4.2	8.3	3.6	6.0	10.0	5.7	7.8	10.2	6.5	8.0
27	10.3	3.8	6.1	8.0	4.9	6.5	9.0	4.7	7.5	9.5	6.2	7.7
28	8.7	5.2	7.5	7.8	4.2	6.5	10.7	5.7	7.6	8.3	5.6	7.3
29	8.8	6.6	7.6	---	---	---	8.5	5.8	7.3	8.8	6.6	7.5
30	8.8	5.3	7.0	---	---	---	12.7	6.0	8.6	8.6	7.4	7.9
31	---	---	---	---	---	---	9.9	7.3	8.5	---	---	---
Month	10.3	2.3	6.3	---	---	---	---	---	---	11.0	3.4	7.0

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

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	11.2	0.0	2.9	6.1	4.9	5.5	5.5	4.2	4.8	8.5	4.0	5.9
2	8.8	0.0	0.7	7.3	4.0	5.2	5.5	4.3	5.1	8.5	2.4	4.7
3	2.5	0.0	0.0	8.2	5.1	7.1	6.6	4.4	5.3	5.8	3.1	4.8
4	3.2	0.0	0.8	8.7	6.1	7.3	9.0	3.7	5.3	5.9	4.0	4.4
5	8.9	0.0	1.9	9.7	6.5	8.2	5.5	4.6	5.1	5.3	3.7	4.0
6	9.3	0.0	5.9	8.6	4.7	6.8	6.0	4.3	4.9	7.9	3.6	5.1
7	7.8	0.1	5.2	9.5	4.1	7.0	9.7	4.1	4.8	6.2	4.0	4.5
8	6.5	1.2	5.1	9.4	4.3	6.4	9.7	7.3	8.2	8.2	3.7	6.4
9	6.9	5.1	6.0	10.0	3.8	6.1	9.6	6.9	7.8	8.6	4.8	6.6
10	8.1	5.5	6.6	3.9	3.1	3.7	9.6	6.8	8.1	9.7	8.1	9.2
11	7.4	5.9	6.4	6.3	2.2	3.1	8.5	7.9	8.2	9.5	8.8	9.2
12	8.5	5.3	6.5	8.0	2.0	4.8	8.0	7.2	7.7	9.5	7.7	8.8
13	7.9	5.3	6.9	8.6	7.6	8.0	7.7	6.8	7.3	8.5	6.1	6.9
14	7.7	5.0	6.5	7.6	6.2	6.9	7.1	5.9	6.6	6.6	6.1	6.4
15	7.9	5.5	6.8	6.8	5.5	6.2	6.7	5.8	6.4	7.8	4.6	5.9
16	8.1	2.7	4.8	8.0	5.0	6.3	6.8	6.0	6.4	8.0	4.0	4.7
17	7.7	5.9	6.8	8.4	5.4	7.0	6.2	5.4	5.8	10.2	4.1	6.2
18	7.2	6.2	6.6	5.9	4.4	5.4	5.9	5.2	5.6	10.2	5.0	7.7
19	7.9	4.6	6.2	5.5	4.3	4.9	5.4	4.7	5.2	10.7	5.0	7.7
20	7.6	4.8	6.5	8.7	4.1	4.7	5.6	4.3	4.9	10.6	9.3	9.8
21	8.4	6.8	7.5	9.4	3.6	7.1	5.3	3.6	4.2	10.3	9.6	10.1
22	8.0	6.0	7.3	9.7	6.4	8.9	5.1	2.6	3.5	10.6	9.8	10.4
23	8.4	6.7	7.8	9.4	7.5	8.4	8.7	2.8	4.7	10.9	9.9	10.3
24	8.0	6.8	7.4	8.2	7.3	7.8	4.3	2.4	3.0	10.6	9.5	9.9
25	8.1	6.8	7.4	8.0	7.1	7.6	7.9	2.6	4.4	11.4	9.3	10.3
26	8.4	5.7	6.9	7.6	7.1	7.3	8.5	5.4	7.2	11.1	9.3	10.7
27	7.4	5.8	6.4	7.3	6.5	6.9	8.6	5.6	7.7	11.8	10.1	11.1
28	8.3	6.1	7.5	7.2	6.2	6.6	7.1	4.8	6.0	12.2	8.3	10.8
29	9.0	7.3	8.3	6.6	5.5	6.0	6.2	4.3	5.3	11.4	10.3	10.8
30	9.0	6.9	8.0	6.4	4.8	5.3	6.4	3.6	5.1	11.1	9.7	10.2
31	7.5	5.2	6.1	---	---	---	5.9	3.5	5.0	11.4	8.7	10.2
Month	11.2	0.0	5.8	10.0	2.0	6.4	9.7	2.4	5.8	12.2	2.4	7.9

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

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	11.6	8.4	9.6	12.0	7.7	10.3	8.0	0.3	0.9	7.8	0.1	2.8
2	10.6	7.9	8.7	11.5	10.2	10.7	5.6	0.3	1.0	7.8	0.1	3.7
3	11.4	7.9	9.4	10.6	10.0	10.2	5.7	0.3	1.0	8.8	0.0	4.2
4	11.5	7.2	10.4	10.8	9.8	10.4	7.3	0.2	1.9	7.9	0.3	6.1
5	12.2	11.2	11.6	10.9	10.1	10.5	8.4	0.2	2.6	7.9	0.1	4.9
6	12.9	11.5	12.1	11.6	10.2	10.9	7.3	0.2	0.6	8.2	5.5	7.1
7	13.6	12.4	13.0	11.7	10.9	11.2	9.6	0.3	7.0	8.9	5.8	7.4
8	13.3	12.5	12.9	11.9	10.9	11.3	9.1	6.6	8.0	8.4	6.0	7.1
9	13.3	12.5	12.9	12.0	10.9	11.4	9.8	7.9	8.8	8.1	6.0	6.7
10	13.2	12.0	12.5	12.5	9.5	11.2	9.5	4.7	7.2	6.8	3.9	5.1
11	12.7	11.8	12.2	12.9	8.9	11.1	9.9	7.9	9.3	7.2	2.2	5.1
12	13.4	11.4	12.0	12.6	9.4	10.4	10.5	8.8	9.6	8.0	4.3	5.6
13	13.6	10.3	12.2	11.3	9.2	10.3	10.3	8.9	9.6	9.0	2.3	6.5
14	12.4	9.8	11.7	11.4	6.8	9.0	10.0	8.6	9.2	8.6	2.9	6.0
15	12.2	11.6	11.8	11.2	6.7	8.3	9.3	8.6	8.9	---	---	---
16	12.6	11.3	12.1	10.7	6.8	8.6	9.2	7.9	8.4	---	---	---
17	12.7	11.8	12.3	10.1	7.0	9.0	9.2	8.2	8.7	---	---	---
18	12.3	11.7	12.1	10.6	9.5	10.1	9.1	6.2	7.7	---	---	---
19	11.9	11.1	11.5	11.6	7.8	9.3	10.2	4.6	8.2	---	---	---
20	12.3	11.0	11.8	12.0	7.6	9.9	10.0	4.0	6.6	---	---	---
21	12.2	9.5	11.3	11.7	7.2	9.5	8.6	4.3	5.5	---	---	---
22	11.5	8.1	10.0	11.4	3.6	7.7	8.1	4.0	4.8	---	---	---
23	11.8	10.8	11.1	11.1	2.3	5.8	6.7	3.6	4.9	---	---	---
24	12.1	10.2	11.2	9.3	1.6	2.7	8.5	4.4	5.3	---	---	---
25	11.3	9.4	10.7	10.7	1.1	2.5	7.1	3.3	4.4	7.6	5.3	6.2
26	13.1	9.3	10.9	9.6	0.4	3.1	4.6	2.5	3.5	7.3	4.6	6.0
27	10.4	8.1	9.3	9.1	0.4	2.8	7.2	2.1	3.7	7.5	3.7	5.6
28	12.5	7.4	10.0	1.4	0.8	1.0	7.8	1.0	2.8	8.2	3.5	5.8
29	---	---	---	8.6	0.3	2.6	8.9	1.8	4.3	7.8	2.0	4.3
30	---	---	---	9.3	0.3	4.8	2.2	0.4	1.1	7.4	1.4	4.4
31	---	---	---	8.1	0.3	3.7	---	---	---	7.1	2.3	5.6
Month	13.6	7.2	11.3	12.9	0.3	8.1	10.5	0.2	5.5	---	---	---

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

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

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	5.6	3.1	4.6	5.2	0.0	1.7	8.0	0.2	5.5	8.0	2.0	6.5
2	5.7	2.5	4.2	5.6	0.2	3.6	7.1	0.4	4.6	7.5	6.1	6.8
3	6.9	4.4	5.9	8.8	3.4	5.9	6.5	0.0	3.4	7.5	5.8	6.7
4	7.2	5.5	6.4	6.7	4.2	5.5	5.2	0.3	2.9	7.3	4.5	6.3
5	7.3	5.0	6.1	6.5	4.1	5.2	6.7	0.1	2.6	5.4	2.0	3.8
6	7.6	2.4	6.1	7.4	5.1	6.1	7.1	0.6	4.1	3.9	0.6	2.5
7	7.4	2.4	4.8	7.1	2.6	4.6	4.4	1.1	2.2	6.2	2.3	4.3
8	8.4	1.2	4.8	6.8	0.3	3.6	4.4	0.2	1.3	5.1	3.1	4.0
9	7.4	1.4	3.8	7.6	0.0	2.1	5.6	0.0	0.4	6.7	3.3	4.8
10	7.6	1.0	4.3	6.8	0.0	1.8	7.3	0.0	1.5	---	---	---
11	7.2	0.6	5.1	6.4	0.0	2.2	---	---	---	---	---	---
12	7.3	0.8	4.3	5.9	0.0	2.3	5.2	0.0	2.7	---	---	---
13	7.2	0.7	4.5	2.8	0.0	0.9	5.1	0.0	2.1	7.1	5.5	6.3
14	7.1	5.0	6.2	5.5	0.0	1.0	5.1	0.2	1.8	7.9	6.1	6.9
15	8.0	5.7	6.6	4.0	0.0	0.4	5.1	0.0	1.3	8.1	6.3	7.2
16	7.7	6.2	6.9	6.1	0.0	0.4	5.8	1.9	3.4	8.0	6.4	7.2
17	7.2	5.5	6.4	6.7	0.0	0.9	6.3	4.7	5.5	8.0	6.7	7.4
18	8.2	2.9	4.9	5.9	0.1	1.7	7.5	5.1	6.3	8.0	6.8	7.4
19	8.4	2.0	3.7	3.7	0.0	0.3	7.2	5.5	6.2	7.6	6.7	7.1
20	7.8	0.9	4.8	1.0	0.0	0.0	8.2	5.3	6.1	7.3	6.5	6.9
21	5.4	0.2	2.6	1.0	0.0	0.1	7.8	4.5	6.4	7.9	2.9	6.3
22	6.3	0.0	1.5	6.4	0.0	3.6	8.1	3.9	6.0	7.8	3.5	6.4
23	5.7	0.0	1.1	6.2	0.0	3.1	7.6	2.7	6.3	7.8	1.1	2.9
24	6.4	0.1	3.8	6.1	0.0	1.8	6.5	1.5	5.2	6.3	0.2	2.0
25	5.4	0.7	3.7	4.8	0.1	1.4	7.4	1.4	5.3	5.8	0.1	1.6
26	5.5	0.1	2.7	4.7	0.0	1.8	7.8	1.8	4.0	5.6	0.0	1.2
27	5.6	0.2	2.0	7.1	0.0	2.5	7.8	1.8	3.5	5.5	0.0	1.6
28	6.7	0.1	3.1	6.4	0.0	2.8	9.5	1.1	4.4	6.3	0.0	3.0
29	6.5	0.0	3.1	6.5	0.1	3.0	8.0	3.8	6.4	4.4	0.0	0.4
30	4.9	0.0	1.8	6.5	0.9	3.2	11.2	5.3	7.2	7.0	0.0	3.4
31	---	---	---	7.1	1.3	5.1	9.7	0.8	6.9	---	---	---
Month	8.4	0.0	4.3	8.8	0.0	2.5	---	---	---	---	---	---

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

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	145	74	108	102	68	90	88	76	82	87	65	76
2	150	79	114	115	52	86	88	83	86	83	58	74
3	188	92	128	96	58	80	88	64	83	87	59	76
4	175	109	138	87	62	72	90	84	87	85	56	70
5	160	87	129	87	62	78	90	83	85	90	59	76
6	131	89	106	122	69	83	95	84	88	89	59	79
7	103	52	83	101	70	85	98	86	92	81	54	69
8	---	---	---	92	61	80	91	83	88	---	---	---
9	---	---	---	97	67	84	94	83	88	---	---	---
10	---	---	---	86	54	75	93	86	89	---	---	---
11	---	---	---	90	56	75	96	71	86	---	---	---
12	111	81	99	95	51	70	104	68	84	---	---	---
13	106	86	94	75	50	66	106	59	82	---	---	---
14	90	73	84	66	41	59	122	72	96	---	---	---
15	101	79	90	67	40	59	118	86	106	---	---	---
16	101	44	92	77	50	63	99	53	73	---	---	---
17	97	71	85	86	53	68	109	55	77	---	---	---
18	113	74	89	84	54	67	115	77	95	---	---	---
19	119	70	94	73	48	58	91	46	72	---	---	---
20	98	73	87	---	---	---	116	54	99	---	---	---
21	100	81	91	---	---	---	112	67	100	---	---	---
22	95	86	91	---	---	---	110	70	92	---	---	---
23	96	85	90	---	---	---	103	65	88	---	---	---
24	89	77	83	---	---	---	102	65	89	---	---	---
25	92	79	84	---	---	---	93	59	81	110	96	101
26	97	68	88	---	---	---	83	67	77	104	95	98
27	86	57	72	---	---	---	88	70	80	106	98	101
28	85	66	78	---	---	---	85	60	75	126	99	105
29	94	65	80	---	---	---	85	66	77	101	91	96
30	98	64	81	78	45	72	87	57	69	100	92	96
31	112	65	89	---	---	---	80	54	68	103	94	98
Month	---	---	---	---	---	---	122	46	85	---	---	---

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

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	105	94	100	108	90	100	114	101	106	136	87	114
2	111	98	102	103	92	96	116	92	102	118	103	111
3	105	97	100	99	92	95	109	10	87	115	97	106
4	115	97	102	97	89	93	99	65	87	104	89	97
5	100	96	98	98	88	93	94	76	87	105	92	97
6	111	95	100	106	92	97	111	80	88	101	86	95
7	116	103	109	105	94	99	101	65	85	104	85	96
8	112	104	107	109	96	101	94	74	84	103	94	98
9	113	102	108	110	96	102	103	85	94	106	93	100
10	110	103	107	119	100	108	110	81	97	123	83	103
11	125	103	110	126	95	112	94	85	90	120	89	106
12	132	113	120	125	92	111	109	84	94	121	105	113
13	133	117	124	121	103	112	104	80	97	114	89	103
14	117	101	107	123	111	116	104	85	96	103	79	95
15	111	101	106	120	110	114	97	82	91	111	79	100
16	108	100	104	110	61	103	91	81	85	109	101	104
17	118	102	109	101	87	94	93	80	85	106	89	97
18	108	101	105	109	91	99	100	78	89	95	86	91
19	107	98	102	116	100	106	102	78	91	104	87	97
20	110	99	104	122	100	110	106	87	96	115	90	105
21	112	99	105	114	104	109	120	49	100	131	37	104
22	122	99	107	116	104	109	117	50	97	103	81	93
23	105	97	100	123	105	114	106	47	92	101	82	92
24	111	97	104	129	108	117	106	80	91	---	---	---
25	105	95	101	123	105	113	110	82	98	---	---	---
26	143	96	110	118	95	104	114	96	104	---	---	---
27	138	95	116	113	95	105	112	94	104	---	---	---
28	127	101	118	110	64	102	112	93	101	---	---	---
29	---	---	---	109	88	100	122	89	103	---	---	---
30	---	---	---	122	92	104	123	98	111	---	---	---
31	---	---	---	118	102	108	---	---	---	---	---	---
Month	143	94	107	129	61	105	123	10	94	---	---	---

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

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	91	47	74	108	74	90	---	---	---	117	80	100
2	91	51	72	108	80	94	130	82	104	102	88	96
3	87	56	75	113	74	90	115	75	98	105	81	92
4	98	71	88	94	72	82	---	---	---	104	72	88
5	102	74	90	91	62	78	---	---	---	102	55	76
6	107	39	91	119	73	89	---	---	---	85	46	71
7	108	39	86	112	51	92	---	---	---	104	52	80
8	138	42	96	122	67	91	---	---	---	90	63	78
9	115	89	102	117	63	106	132	99	112	100	79	86
10	101	76	89	120	13	90	122	83	104	124	72	89
11	107	70	87	104	64	86	---	---	---	108	83	95
12	110	84	92	120	56	85	127	78	97	94	75	84
13	101	73	85	136	84	101	132	86	108	95	72	83
14	85	61	74	113	76	98	144	70	114	106	82	92
15	91	55	73	112	90	99	119	52	93	108	84	96
16	114	62	79	110	81	98	103	72	86	105	85	95
17	116	65	82	128	11	98	93	70	84	109	87	96
18	125	35	85	96	19	77	109	74	93	104	88	96
19	120	30	87	99	46	70	109	84	97	97	85	92
20	103	49	82	97	57	76	134	77	96	96	87	92
21	90	45	67	89	52	69	121	76	95	103	78	90
22	102	66	81	80	57	69	124	67	90	119	80	97
23	94	56	70	68	54	62	108	70	96	123	86	103
24	72	44	56	86	27	61	160	46	100	125	48	99
25	66	30	43	114	13	78	127	67	105	148	57	105
26	93	30	56	116	48	81	139	79	109	137	85	105
27	137	50	81	111	67	88	125	65	104	127	81	102
28	118	69	101	107	57	88	151	79	106	110	73	95
29	119	88	102	---	---	---	119	80	102	114	85	98
30	119	70	93	---	---	---	180	82	119	110	84	100
31	---	---	---	---	---	---	138	100	118	---	---	---
Month	138	30	81	---	---	---	---	---	---	148	46	92

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

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	141	0	37	66	53	60	56	43	49	82	39	57
2	109	0	8	80	44	56	57	44	52	81	24	46
3	32	0	0	88	55	76	68	45	55	57	31	47
4	40	0	10	91	66	78	85	38	55	58	39	44
5	110	0	24	95	68	84	57	48	53	52	37	40
6	118	0	74	89	50	71	61	44	50	80	36	51
7	97	1	64	98	43	73	90	42	48	62	40	45
8	80	15	63	97	45	67	90	71	78	82	37	64
9	85	63	74	104	41	64	87	67	75	84	49	65
10	101	67	81	42	33	40	89	66	77	92	78	86
11	90	72	79	67	24	33	82	76	79	90	84	87
12	103	65	79	83	21	51	77	70	74	88	74	83
13	95	65	83	88	80	83	74	66	70	80	59	67
14	91	61	78	80	65	73	69	57	64	64	59	62
15	92	65	80	71	58	65	65	56	62	76	45	57
16	94	32	57	85	52	66	66	58	62	78	39	46
17	89	68	79	87	57	75	60	53	57	94	40	60
18	84	72	77	64	48	59	57	51	54	94	48	72
19	93	54	72	60	47	53	53	46	51	96	48	71
20	90	56	77	87	44	51	54	42	48	96	84	88
21	100	80	89	92	39	71	52	35	41	94	87	91
22	94	70	86	94	66	88	50	26	34	93	88	91
23	96	78	90	91	75	84	86	28	46	96	87	91
24	89	75	82	84	74	79	43	24	30	94	84	88
25	87	75	80	81	72	77	79	26	44	102	83	90
26	88	62	75	77	72	74	84	54	72	95	81	92
27	82	64	71	74	66	71	85	55	76	102	88	96
28	91	67	82	74	64	68	70	48	59	106	74	94
29	97	80	89	68	57	62	61	43	52	97	88	91
30	95	74	86	65	49	54	64	36	50	91	84	87
31	81	57	66	---	---	---	59	35	50	93	75	86
Month	141	0	67	104	21	67	90	24	57	106	24	72

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

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	98	72	82	110	69	93	75	3	9	84	1	30
2	88	68	74	107	94	100	54	3	9	84	0	39
3	96	68	79	101	94	97	55	3	9	96	0	46
4	96	62	87	102	93	97	73	3	19	81	4	64
5	101	92	95	100	92	95	82	2	26	81	2	50
6	105	93	98	106	93	99	70	2	6	82	56	71
7	112	101	106	106	97	101	85	3	64	86	57	71
8	109	100	104	108	96	102	82	61	72	80	57	66
9	108	100	104	108	96	101	86	70	78	76	55	63
10	107	98	102	112	84	99	94	41	67	64	37	48
11	105	97	100	116	80	100	99	79	93	80	21	52
12	112	94	99	114	84	94	110	90	99	91	46	60
13	113	86	101	103	83	94	107	93	101	95	24	67
14	106	82	99	105	63	83	104	90	97	83	28	58
15	103	98	100	106	62	77	101	91	96	---	---	---
16	106	95	102	102	63	80	94	84	89	---	---	---
17	106	99	103	92	65	84	95	84	89	---	---	---
18	102	97	100	96	86	90	94	65	81	---	---	---
19	97	92	94	104	70	84	108	49	85	---	---	---
20	104	91	98	108	69	89	105	43	69	---	---	---
21	104	81	97	106	64	86	91	46	58	---	---	---
22	101	69	86	105	33	70	87	43	52	---	---	---
23	103	93	96	102	21	53	72	39	53	---	---	---
24	105	89	98	85	15	24	96	48	59	---	---	---
25	98	82	94	103	10	24	77	34	48	91	62	74
26	119	82	96	91	4	29	50	27	37	86	54	70
27	93	72	83	87	4	26	80	22	39	89	44	66
28	114	66	90	13	7	9	85	11	30	97	41	68
29	---	---	---	82	3	24	99	19	46	93	23	50
30	---	---	---	88	3	45	24	4	12	87	16	51
31	---	---	---	76	3	35	---	---	---	90	29	68
Month	119	62	95	116	3	74	110	2	56	---	---	---

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

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	70	39	59	67	0	22	111	3	76	111	28	90
2	71	31	53	69	3	45	97	5	63	102	83	93
3	87	55	74	116	42	75	90	0	47	102	78	90
4	91	69	80	87	54	71	71	4	39	98	60	84
5	93	63	77	82	52	65	93	1	36	72	27	51
6	98	31	78	95	66	78	99	8	57	53	8	34
7	96	30	61	90	33	58	62	15	31	85	31	58
8	110	16	63	87	4	45	62	3	19	68	41	53
9	97	18	49	97	0	27	80	0	6	90	44	64
10	99	13	55	87	0	23	104	0	22	---	---	---
11	90	8	64	80	0	28	---	---	---	---	---	---
12	91	11	54	79	0	32	71	0	37	---	---	---
13	89	9	55	38	0	12	71	0	29	95	73	84
14	85	61	77	72	0	14	71	3	26	106	81	92
15	101	72	83	52	0	6	71	0	19	108	83	95
16	94	76	85	80	0	6	81	26	48	105	84	95
17	88	66	78	88	0	13	88	65	77	104	86	95
18	100	35	59	80	0	22	104	70	87	103	86	94
19	104	24	45	51	0	5	99	75	85	97	85	91
20	95	10	58	14	0	1	114	72	84	92	82	87
21	65	2	31	14	0	2	110	62	88	102	37	80
22	74	0	18	83	0	46	114	54	83	99	45	82
23	67	0	13	78	0	39	107	37	88	101	14	38
24	75	0	44	78	0	23	91	21	72	82	3	26
25	63	8	43	64	1	19	103	19	73	75	1	21
26	63	2	31	63	0	24	109	25	55	73	0	15
27	74	3	25	97	0	33	109	25	49	72	0	21
28	89	1	40	88	0	38	133	15	61	82	0	39
29	86	0	40	89	1	41	112	53	89	58	0	5
30	63	0	23	89	12	44	157	73	100	89	0	45
31	---	---	---	98	18	70	135	11	96	---	---	---
Month	110	0	54	116	0	33	---	---	---	---	---	---