

## 0208455155 PAMLICO RIVER AT LIGHT 3

LOCATION.--Lat 35°21'25", long 76°38'47", Beaufort County, Hydrologic Unit 03020104, on U.S. Coast Guard Channel Light 3.

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

## PERIOD OF DAILY RECORD.--

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

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

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

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

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

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

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

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

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

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

## EXTREMES FOR PERIOD OF DAILY RECORD.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SALINITY (TOP), ppt	20.3, August 26, 2002	0.3, October 11, 1999
SALINITY (BOTTOM), ppt	23.0, October 6, 2002	0.5, October 11, 27, 1999
pH (TOP), standard units	9.5, April 15, 2003, August 15, 2003	6.6, October 7, 1999
pH (BOTTOM), standard units	9.2, April 14, 15, 2003, August 15, 2003	6.6, May 27, 2000, July 12, 2001, May 8, 9, 15, 16, 17, 18, 2004
WATER TEMPERATURE (TOP), °C	33.3, August 20, 1990, July 9, 1991	0.0, January 25, 2003
WATER TEMPERATURE (BOTTOM), °C	32.6, August 1, 1999	0.6, January 25, 2003
DISSOLVED OXYGEN (TOP), mg/L	21.2, January 30, 1992	<1.0, on several days during the period
DISSOLVED OXYGEN (BOTTOM), mg/L	18.0, May 3, 1991	<1.0, on many days during the period

## EXTREMES FOR CURRENT YEAR.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SALINITY (TOP), ppt	12.6, January 15, 16	1.6, April 20
SALINITY (BOTTOM), ppt	15.2, November 1	4.0, April 21
pH (TOP), standard units	9.0, April 20	7.3, May 21, June 11, 12, 14
pH (BOTTOM), standard units	8.6, July 17, 19, 14, August 11, 21, 22, 24, 26, 31	6.7, June 10
WATER TEMPERATURE (TOP), °C	33.2, July 27	1.8, January 29
WATER TEMPERATURE (BOTTOM), °C	31.8, July 28	2.0, January 29
DISSOLVED OXYGEN (TOP), mg/L	13.0, April 19	4.2, August 11
DISSOLVED OXYGEN (BOTTOM), mg/L	12.8, February 2	0.1, July 21, 24, August 11
DISSOLVED OXYGEN, PERCENT SATURATION (TOP),%	166, July 16	34, August 11
DISSOLVED OXYGEN, PERCENT SATURATION (BOTTOM),%	127, August 4	1, July 21, 24, August 11

## 0208455155 PAMLICO RIVER AT LIGHT 3—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	9.2	7.1	8.0	11.7	8.5	9.3	11.8	9.2	11.1	9.0	7.4	8.0
2	7.6	6.4	6.9	10.7	9.5	9.9	11.3	11.0	11.2	9.4	7.6	8.8
3	7.4	5.9	6.9	10.6	9.7	10.1	11.1	10.2	10.7	9.3	7.3	8.6
4	7.4	6.8	7.2	11.8	10.2	10.9	10.2	9.0	9.8	8.5	6.6	7.7
5	7.4	6.4	6.7	11.8	11.2	11.4	9.6	7.9	8.9	8.0	5.3	6.7
6	7.6	6.6	7.0	11.8	11.1	11.4	10.5	7.7	9.3	11.5	8.0	9.1
7	7.8	5.5	6.2	11.4	10.8	11.1	11.1	7.6	9.6	11.4	9.3	10.4
8	6.7	5.4	6.1	12.0	11.1	11.5	10.9	8.3	9.2	11.1	10.4	10.7
9	6.5	5.7	6.2	12.3	11.6	11.9	10.2	8.8	9.3	11.2	10.6	11.0
10	6.4	5.9	6.0	12.2	11.5	11.8	10.5	9.5	10.1	11.1	10.9	11.0
11	6.7	5.8	6.2	11.8	11.2	11.4	10.4	9.4	9.9	11.1	10.9	11.0
12	6.1	4.6	5.5	11.5	11.3	11.4	10.3	9.2	9.6	11.1	10.5	10.9
13	6.9	3.9	5.2	11.8	11.0	11.4	10.5	9.7	10.0	12.0	10.5	11.1
14	6.9	5.9	6.4	11.7	11.3	11.4	10.5	9.7	10.0	12.5	11.4	11.8
15	7.4	6.7	7.0	11.6	10.7	11.4	11.0	9.9	10.2	12.6	11.8	12.2
16	8.1	7.0	7.5	10.7	8.8	9.7	10.6	8.1	9.2	12.6	11.3	11.9
17	8.6	8.0	8.3	9.8	8.2	8.9	9.0	7.5	8.5	12.2	11.5	11.8
18	8.5	8.0	8.2	10.2	7.1	8.8	9.3	8.3	8.9	12.2	10.9	11.7
19	9.0	8.1	8.3	9.5	7.1	8.6	9.3	7.7	8.6	10.9	8.6	9.8
20	9.1	8.1	8.5	10.4	7.1	8.9	9.6	7.7	8.7	10.7	9.9	10.2
21	9.5	8.9	9.1	11.7	7.5	9.4	9.3	8.6	8.9	10.9	9.8	10.4
22	9.5	8.8	9.2	12.2	8.1	10.2	9.7	8.8	9.4	10.9	10.2	10.6
23	9.5	9.0	9.3	12.2	9.7	10.6	10.9	9.5	10.0	10.3	9.2	9.8
24	9.5	6.5	8.8	11.8	10.4	11.0	10.6	9.5	10.2	10.4	6.4	9.1
25	9.0	7.4	8.2	12.1	10.6	11.3	10.7	10.0	10.4	9.5	7.9	8.7
26	9.0	6.5	7.5	12.2	11.4	11.9	10.9	10.2	10.6	9.7	8.8	9.0
27	8.1	5.6	6.7	12.0	11.1	11.7	10.7	10.3	10.6	10.4	8.7	9.6
28	10.2	6.7	7.8	11.7	10.2	11.2	10.3	8.8	9.7	10.5	9.7	10
29	10.6	7.4	8.3	11.7	10.4	11.3	9.6	7.7	8.4	10.6	9.8	10.2
30	8.7	7.5	8.2	11.1	9.6	10.5	9.2	8.7	8.9	10.5	9.3	9.9
31	9.0	8.1	8.7	---	---	---	9.3	8.1	8.9	10.8	10.2	10.5
MONTH	10.6	3.9	7.4	12.3	7.1	10.7	11.8	7.5	9.6	12.6	5.3	10.1
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	10.6	8.1	9.7	11.3	10.6	11.1	7.6	5.4	6.3	8.4	7.5	7.8
2	9.5	7.8	8.5	11.3	11.0	11.1	7.3	5.4	6.4	8.2	7.7	7.9
3	9.0	7.3	8.1	11.0	10.2	10.6	6.6	4.8	5.2	8.1	7.7	7.9
4	10.9	8.8	10.1	10.7	8.0	9.7	6.2	3.2	4.8	8.3	7.8	8.1
5	9.7	7.8	8.8	10	8.9	9.8	5.6	3.6	4.6	8.8	8.0	8.4
6	8.4	6.6	7.4	10.2	8.3	9.4	4.7	3.1	3.8	9.3	7.0	8.3
7	10.6	6.4	8.0	8.9	8.1	8.6	6.8	3.5	4.7	7.6	6.9	7.4
8	11.7	7.9	10.0	10.7	8.6	9.2	6.5	3.9	5.2	7.5	6.7	7.2
9	11.5	7.4	10	9.8	8.2	8.9	7.5	4.6	6.5	7.6	6.6	7.1
10	11.6	7.4	9.2	9.5	8.3	8.9	6.2	5.4	5.9	7.6	6.5	7.1
11	12.0	9.2	10.4	10.2	9.0	9.5	5.9	3.8	4.8	7.5	6.7	7.3
12	11.1	9.8	10.5	10.0	9.5	9.7	7.1	5.0	6.0	7.3	6.3	6.7
13	12.0	10.5	10.8	10.6	9.3	9.8	7.3	5.7	6.4	7.5	6.7	7.2
14	11.6	10.8	11.1	10.6	9.6	10.3	7.9	5.6	6.6	7.2	6.5	6.8
15	11.3	10.9	11.1	10.1	9.5	9.7	7.6	5.2	6.1	7.0	6.0	6.6
16	11.4	10.6	11.1	10.6	9.4	9.9	7.6	5.1	6.2	7.0	5.9	6.4
17	11.7	11.3	11.4	10.7	9.8	10.2	6.2	4.8	5.0	7.8	6.5	7.1
18	11.8	11.3	11.6	10.1	9.4	9.6	5.0	2.9	3.7	7.2	5.7	6.3
19	11.8	10.9	11.5	9.5	9.1	9.4	3.1	2.1	2.5	7.0	6.2	6.6
20	11.9	10.8	11.4	9.4	7.9	8.5	2.7	1.6	2.0	6.9	6.3	6.6
21	11.5	11.2	11.4	8.5	7.5	8.1	3.9	2.3	3.1	7.5	6.3	7.1
22	11.5	10.9	11.4	9.0	8.3	8.7	6.0	3.7	4.6	7.5	6.0	6.3
23	11.6	11.1	11.5	9.1	8.1	8.5	9.2	5.3	7.2	6.5	5.8	6.1
24	11.8	11.2	11.5	9.1	8.2	8.6	8.0	6.4	7.0	6.4	5.8	6.0
25	11.9	11.1	11.7	9.2	7.5	8.5	7.5	6.9	7.2	7.1	5.9	6.4
26	11.7	10.7	11.2	8.5	7.6	8.1	7.7	7.3	7.4	7.0	4.8	5.8
27	11.7	10.4	11.1	8.3	7.6	8.0	7.6	7.1	7.5	5.5	4.8	5.1
28	11.8	11.0	11.4	8.5	7.0	8.0	7.8	7.3	7.5	5.5	4.9	5.3
29	---	---	---	7.6	6.2	7.1	7.8	6.8	7.3	5.7	5.1	5.4
30	---	---	---	7.7	6.3	7.1	8.1	7.3	7.6	5.5	5.0	5.3
31	---	---	---	7.8	5.9	7.3	---	---	---	7.3	5.1	6.0
MONTH	12.0	6.4	10.4	11.3	5.9	9.1	9.2	1.6	5.6	9.3	4.8	6.8

## PAMLICO RIVER BASIN

0208455155 PAMLICO RIVER AT LIGHT 3—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP—CONTINUED  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	JUNE			JULY			AUGUST			SEPTEMBER		
				MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	8.3	6.4	7.3	7.0	6.7	6.8	8.8	8.5	8.7	9.6	8.6	9.2			
2	9.1	6.8	8.3	7.1	6.7	7.0	9.3	8.8	9.0	9.5	8.5	9.2			
3	8.0	6.6	7.1	7.4	7.0	7.3	9.0	8.3	8.7	9.8	8.5	9.1			
4	6.8	6.0	6.5	7.8	6.9	7.5	8.3	7.9	8.2	9.5	8.9	9.2			
5	7.7	5.6	6.2	8.1	7.1	7.7	8.3	7.8	8.0	10.2	9.3	9.6			
6	7.0	5.5	6.1	7.5	6.7	7.1	8.1	7.7	7.9	10.5	9.5	10.1			
7	6.4	6.0	6.2	7.5	6.5	6.9	8.1	7.7	7.9	9.7	9.3	9.5			
8	6.8	6.2	6.4	7.8	7.0	7.3	8.5	7.8	8.1	9.8	9.5	9.6			
9	6.9	6.3	6.6	7.3	6.8	7.1	8.0	7.8	7.8	9.8	9.3	9.6			
10	7.3	6.7	6.9	7.2	6.9	7.0	8.0	7.8	7.9	10.7	9.6	10.2			
11	7.3	6.8	7.0	7.1	6.8	6.9	8.0	7.8	7.9	---	---	---			
12	7.1	6.7	7.0	7.1	6.4	6.7	8.1	7.8	8.0	---	---	---			
13	6.9	6.6	6.8	7.8	6.5	7.1	8.2	7.8	8.0	---	---	---			
14	6.9	6.7	6.8	7.9	6.8	7.2	8.1	7.7	7.9	---	---	---			
15	7.0	6.2	6.7	7.3	7.0	7.2	8.0	7.7	7.8	---	---	---			
16	6.4	6.0	6.1	7.0	6.7	6.8	8.1	7.8	8.0	---	---	---			
17	6.7	5.8	6.2	7.1	6.9	7.0	8.5	8.0	8.1	---	---	---			
18	7.5	5.2	6.0	7.6	6.8	7.1	8.7	8.4	8.5	---	---	---			
19	7.8	7.3	7.6	7.4	6.8	7.0	9.0	8.1	8.5	---	---	---			
20	7.8	7.5	7.6	7.3	6.9	7.1	8.8	8.3	8.6	10.2	9.3	9.7			
21	7.6	7.0	7.3	7.4	7.0	7.1	8.3	7.6	8.1	10	8.8	9.5			
22	7.6	7.0	7.2	7.7	7.2	7.4	8.3	7.6	7.9	10.5	9.3	9.8			
23	7.4	6.8	7.1	8.1	7.3	7.7	8.2	7.3	7.8	10.1	9.4	9.6			
24	8.2	7.1	7.5	8.6	7.8	8.2	8.3	7.5	7.9	10.2	9.3	9.6			
25	8.6	7.5	8.0	8.9	7.1	8.0	9.4	8.3	9.0	11.3	10.1	10.9			
26	8.3	7.1	7.6	8.3	8.0	8.1	9.3	8.1	8.7	11.3	10.2	10.6			
27	7.8	7.2	7.5	8.3	7.8	8.1	9.2	8.6	8.8	11.2	10	10.5			
28	7.5	6.8	7.0	8.6	7.8	8.2	8.9	8.3	8.6	11.5	10.1	10.9			
29	7.5	6.8	7.1	8.9	8.6	8.7	9.6	8.5	8.9	11.1	9.7	10.1			
30	7.5	6.7	7.1	8.8	8.6	8.7	9.7	8.5	8.8	11.8	10.4	11.1			
31	---	---	---	8.8	8.6	8.7	8.8	8.3	8.6	---	---	---			
MONTH	9.1	5.2	7.0	8.9	6.4	7.4	9.7	7.3	8.3	---	---	---			

## 0208455155 PAMLICO RIVER AT LIGHT 3—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	9.5	8.1	8.9	15.2	10.6	14.2	12.3	11.4	11.8	14.1	9.7	12.3
2	9.5	7.5	8.5	14.6	10.9	13.2	11.6	11.1	11.2	14.1	11.0	12.9
3	10.9	7.0	8.1	14.7	10.1	11.9	11.4	10.3	10.9	14.3	10.8	13.3
4	10.9	7.1	8.1	14.1	11.4	12.8	12.0	10.7	11.2	14.5	10.5	13.9
5	9.6	6.4	7.2	11.7	11.1	11.4	12.4	9.9	11.5	14.7	9.0	14.1
6	7.8	6.7	7.3	11.9	11.2	11.6	12.5	10.2	12.2	15.1	11.8	14.4
7	7.8	6.2	7.2	12.1	10.9	11.4	12.7	10.4	12.0	15.1	11.3	14.1
8	7.6	6.1	6.8	11.9	11.1	11.5	12.2	10.3	11.1	14.7	10.8	13.0
9	7.9	6.4	7.1	12.2	11.5	11.8	12.0	8.3	11.1	14.5	10.9	11.8
10	7.5	5.9	6.5	12.2	11.7	11.9	11.7	8.9	10.4	13.6	11.1	11.7
11	10.4	6.1	6.7	11.8	11.3	11.6	10.4	9.5	9.9	13.6	11.1	11.6
12	8.3	5.5	7.0	11.8	11.3	11.4	11.7	9.2	9.8	14.3	11.1	11.6
13	14.5	7.1	11.7	11.7	10.9	11.3	10.6	9.7	10.1	---	---	---
14	11.6	6.4	8.1	11.7	11.2	11.3	10.6	9.8	10.1	12.6	11.5	11.9
15	13.1	7.0	9.2	11.5	10.8	11.4	11.0	9.9	10.4	12.8	11.9	12.3
16	8.5	7.1	7.8	11.7	10.3	11.3	11.3	9.4	10.3	12.8	11.4	12.0
17	8.7	8.1	8.5	12.6	10.7	11.8	12.0	9.0	10.2	12.4	11.7	11.9
18	11.8	8.1	9.0	13.2	11.3	12.4	11.7	9.2	10.4	12.3	11.4	11.9
19	11.9	8.3	9.8	14.1	11.1	13.0	11.8	8.8	9.9	12.1	9.8	11.3
20	11.0	8.5	9.4	14.3	12.4	13.7	10.2	8.1	9.1	11.2	10.4	10.8
21	9.8	9.0	9.2	14.7	11.8	13.7	12.5	9.1	10.1	11.1	10.3	10.7
22	9.5	8.9	9.2	14.8	13.0	14.2	13.0	10.0	11.3	11.1	10.2	10.8
23	9.5	9.0	9.3	14.6	11.8	13.4	12.9	9.8	11.4	10.4	9.3	9.9
24	10.6	8.6	9.4	14.3	11.6	12.8	11.5	10	10.4	12.9	10.1	10.8
25	11.1	8.3	10.1	12.4	10.6	11.4	10.7	10.2	10.5	13.3	9.0	11.4
26	13.0	7.5	10.3	12.4	11.4	12.0	11.0	10.3	10.7	12.7	10.4	11.3
27	13.6	10.7	12.4	12.1	11.5	11.9	10.7	10.5	10.6	12.3	9.3	10.1
28	14.1	11.5	13.4	11.8	11.3	11.5	11.8	10.1	10.9	11.0	9.7	10.0
29	13.7	10.6	12.5	11.8	11.2	11.6	11.7	8.5	10.0	11.6	9.9	10.7
30	14.1	9.9	12.9	12.3	11.1	12.0	10.8	9.2	9.4	11.7	9.8	10.4
31	14.6	9.7	13.1	---	---	---	13.9	9.5	10.2	10.8	10.2	10.5
MONTH	14.6	5.5	9.2	15.2	10.1	12.2	13.9	8.1	10.6	---	---	---
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	10.7	8.6	10.2	11.6	10.7	11.2	9.8	6.2	7.9	8.5	7.6	7.9
2	11.5	9.0	10.0	11.3	11.0	11.1	9.1	5.5	7.0	8.3	7.8	8.1
3	11.6	8.7	10.5	11.5	10.2	10.7	7.8	4.9	5.4	8.2	7.8	8.0
4	11.0	9.0	10.3	12.4	10.6	11.3	7.8	4.2	5.6	8.5	7.8	8.1
5	11.9	9.0	10.7	12.3	9.7	10.1	11.0	4.6	7.5	8.8	8.1	8.5
6	12.9	8.3	10.7	10.4	9.1	9.8	10.6	6.1	8.0	9.3	7.0	8.4
7	13.7	12.0	12.8	10.7	8.6	9.0	10.8	6.1	8.5	8.0	7.0	7.6
8	13.8	11.5	13.1	11.2	8.6	9.4	8.4	6.5	7.5	8.1	7.2	7.5
9	14.5	12.0	13.5	10.2	8.7	9.4	7.5	5.4	6.7	8.9	7.3	7.8
10	14.7	9.4	12.1	12.3	9.0	9.7	7.2	5.6	6.1	8.1	7.0	7.8
11	12.2	9.2	10.9	13.0	9.5	10.7	8.2	4.9	7.1	7.6	7.0	7.4
12	13.1	10.7	11.6	10.6	9.5	9.8	8.2	5.7	7.2	9.0	6.5	7.0
13	13.0	11.2	12.2	10.8	9.9	10.4	7.5	5.9	6.6	8.8	7.1	7.4
14	13.0	11.3	12.1	10.6	10.1	10.4	7.9	5.6	6.7	7.7	6.8	7.4
15	12.8	11.3	11.8	10.5	9.7	10.1	7.6	5.2	6.1	9.1	6.6	7.2
16	12.7	11.1	11.7	10.7	9.8	10.2	8.0	5.1	6.3	9.8	6.0	7.0
17	11.7	11.3	11.4	10.7	9.8	10.3	7.6	4.9	6.0	9.2	6.8	7.7
18	12.1	11.5	11.8	10.4	9.4	10.0	8.3	4.4	6.0	7.7	6.5	7.3
19	12.2	11.6	11.8	9.8	9.3	9.5	13.0	4.5	9.7	7.2	6.6	6.9
20	12.1	11.6	11.9	9.5	8.8	9.3	13.7	7.6	12.3	7.0	6.3	6.7
21	12.0	11.4	11.6	10.8	7.8	9.3	13.9	4.0	11.8	7.5	6.4	7.1
22	11.8	11.4	11.5	10.6	8.6	9.2	13.7	5.8	10.0	7.5	6.0	6.5
23	11.7	11.3	11.5	9.5	8.2	8.8	13.4	6.1	9.5	7.0	6.2	6.6
24	11.8	11.2	11.5	10.6	8.5	8.8	8.2	6.6	7.2	8.0	5.9	6.6
25	11.9	11.1	11.7	9.8	8.8	9.3	7.5	7.0	7.3	7.1	5.9	6.5
26	11.9	11.3	11.5	9.1	8.3	8.6	8.5	7.3	7.6	8.1	5.3	6.7
27	12.0	11.1	11.6	8.6	8.1	8.4	8.2	7.3	7.5	10.3	6.3	7.9
28	11.8	11.0	11.4	8.5	6.9	8.0	8.1	7.3	7.7	9.7	5.5	6.9
29	---	---	---	8.3	6.5	7.4	8.9	7.1	7.6	6.4	5.3	5.8
30	---	---	---	10	7.1	8.4	9.7	7.3	7.8	7.2	5.2	5.8
31	---	---	---	9.2	6.2	7.9	---	---	---	11.8	5.9	8.9
MONTH	14.7	8.3	11.6	13.0	6.2	9.6	13.9	4.0	7.6	11.8	5.2	7.3

## PAMLICO RIVER BASIN

0208455155 PAMLICO RIVER AT LIGHT 3—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM—CONTINUED  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	11.2	7.1	8.7	9.7	7.0	8.0	9.1	8.5	8.8	9.8	8.9	9.4
2	9.4	8.3	8.7	8.8	7.0	7.4	9.1	8.8	8.9	9.7	9.4	9.6
3	9.0	7.3	8.4	8.5	7.2	7.6	9.0	8.5	8.8	10.6	8.9	9.5
4	9.1	7.5	8.7	8.0	7.4	7.6	8.7	8.3	8.5	10.6	9.2	9.6
5	9.1	7.5	8.6	8.2	7.1	7.8	8.7	8.0	8.2	10.2	9.3	9.6
6	8.8	7.8	8.3	7.8	7.0	7.3	8.4	7.9	8.1	10.5	9.5	10.1
7	9.8	6.5	8.2	8.6	7.2	7.9	9.0	7.8	8.1	9.7	9.3	9.5
8	9.8	7.0	8.6	7.7	7.0	7.4	8.5	8.0	8.3	9.8	9.5	9.6
9	9.0	7.6	8.3	8.6	7.0	7.3	8.2	7.8	8.0	10	9.6	9.7
10	8.6	7.0	7.8	8.6	7.1	7.4	8.5	7.8	7.9	10.7	9.5	10.1
11	7.6	6.9	7.2	8.8	6.8	7.4	9.4	7.8	8.1	---	---	---
12	7.9	6.8	7.1	9.9	6.5	7.3	9.7	7.8	8.4	---	---	---
13	7.9	6.8	7.1	10.9	6.5	7.6	9.6	7.8	8.3	---	---	---
14	8.8	6.8	7.1	8.6	7.4	7.9	8.6	7.8	8.0	---	---	---
15	7.6	6.8	7.1	8.1	7.2	7.5	8.1	7.6	7.8	---	---	---
16	7.6	6.2	6.8	11.3	7.1	8.3	10.4	7.9	8.7	---	---	---
17	8.8	6.1	7.3	11.0	7.0	7.8	9.3	7.8	8.1	---	---	---
18	9.8	6.2	7.9	11.2	6.8	7.8	8.9	8.3	8.5	---	---	---
19	8.0	7.5	7.7	8.1	6.9	7.4	9.0	8.5	8.8	---	---	---
20	7.8	7.5	7.7	8.3	7.0	7.4	8.8	8.5	8.7	14.7	10.2	12.3
21	8.0	7.4	7.7	12.4	7.0	7.9	9.0	7.7	8.4	14.2	9.5	10.8
22	8.4	7.0	7.4	9.3	7.3	7.7	9.2	7.7	8.4	13.0	10.0	10.8
23	10.4	7.0	8.2	10.9	7.4	8.4	8.9	8.0	8.3	12.6	9.7	10.5
24	10.2	7.5	8.0	11.5	7.8	9.1	10.9	7.6	8.6	13.2	9.5	10.4
25	8.7	7.6	8.1	9.6	8.2	8.8	11.2	9.2	9.7	12.0	10.6	11.2
26	8.8	7.5	8.0	11.2	8.1	8.4	9.5	8.6	9.3	11.4	10.4	11.0
27	9.2	7.6	8.1	11.3	8.2	8.9	9.4	8.8	9.1	11.3	10.0	10.6
28	9.0	7.5	8.1	9.7	8.0	8.6	9.5	8.8	9.2	11.7	10.9	11.4
29	9.2	7.2	8.3	9.6	8.6	8.9	9.8	8.7	9.2	11.4	10.4	11.1
30	8.6	7.0	7.6	10.0	8.6	8.8	10	9.0	9.6	11.8	10.4	11.1
31	---	---	---	10.0	8.6	8.8	9.3	8.5	8.9	---	---	---
MONTH	11.2	6.1	7.9	12.4	6.5	7.9	11.2	7.6	8.6	---	---	---

## 0208455155 PAMLICO RIVER AT LIGHT 3—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	8.1	7.5	7.7	8.2	7.8	8.0	8.0	7.9	7.9	8.2	8.0	8.1
2	8.0	7.5	7.7	8.1	7.8	8.0	8.1	7.8	8.0	8.1	8.0	8.0
3	8.3	7.4	7.8	8.1	7.8	7.9	8.2	8.1	8.1	8.2	8.1	8.1
4	8.3	7.8	8.0	8.1	7.8	7.9	8.2	8.1	8.2	8.2	8.0	8.2
5	8.2	7.9	8.0	8.0	7.8	7.8	8.3	8.2	8.3	8.3	8.1	8.2
6	8.2	7.8	7.9	8.0	7.8	7.9	8.3	8.2	8.2	8.2	7.9	8.1
7	8.1	7.7	7.9	8.0	7.8	7.9	8.3	8.1	8.2	8.0	7.9	8.0
8	8.3	7.6	7.9	8.0	7.9	7.9	8.3	8.0	8.2	8.0	7.9	8.0
9	8.3	7.7	8.0	8.0	7.8	7.9	8.2	8.0	8.1	8.0	7.9	7.9
10	8.3	7.9	8.1	8.0	7.9	7.9	8.0	7.8	8.0	8.0	7.9	8.0
11	8.3	7.9	8.1	8.0	7.8	7.9	8.1	7.9	8.0	8.0	8.0	8.0
12	8.4	8.0	8.3	7.9	7.6	7.8	8.1	8.0	8.0	8.1	8.0	8.0
13	8.4	8.1	8.3	7.9	7.8	7.8	8.1	7.9	8.0	8.1	7.8	8.0
14	8.1	7.9	8.0	7.9	7.8	7.9	8.1	8.0	8.0	7.9	7.5	7.8
15	8.0	7.8	8.0	8.0	7.9	8.0	8.1	8.0	8.0	7.7	7.6	7.6
16	8.0	7.6	7.8	8.0	7.9	8.0	8.2	8.1	8.2	7.8	7.6	7.7
17	8.0	7.7	7.9	8.1	7.9	8.0	8.3	8.2	8.2	7.7	7.6	7.6
18	8.0	7.8	7.9	8.1	8.0	8.1	8.3	8.2	8.2	7.8	7.6	7.7
19	8.0	7.8	7.9	8.2	8.0	8.1	8.3	8.2	8.2	8.2	7.8	8.0
20	8.1	7.9	8.0	8.2	7.9	8.1	8.2	8.0	8.1	8.1	7.9	8.0
21	8.0	7.8	7.9	8.2	7.8	8.1	8.1	8.0	8.1	8.0	7.8	7.9
22	8.0	7.7	7.8	8.2	7.9	8.1	8.1	7.9	8.0	7.9	7.8	7.9
23	8.0	7.7	7.8	8.2	7.8	8.1	8.0	7.9	7.9	7.9	7.7	7.8
24	8.0	7.8	7.9	8.1	7.8	8.0	7.9	7.9	7.9	7.8	7.6	7.7
25	8.0	7.8	7.9	8.0	7.8	7.9	7.9	7.8	7.9	7.8	7.6	7.7
26	8.2	7.8	8.0	7.9	7.8	7.9	7.9	7.8	7.8	7.7	7.6	7.7
27	8.3	7.8	8.1	8.0	7.8	7.9	7.9	7.8	7.8	7.8	7.7	7.7
28	8.2	7.8	8.1	8.0	7.9	7.9	8.0	7.9	7.9	7.7	7.7	7.7
29	8.2	7.7	8.1	8.0	7.8	7.9	8.0	8.0	8.0	7.8	7.7	7.7
30	8.2	8.0	8.1	8.1	7.9	8.0	8.1	8.0	8.0	7.8	7.7	7.7
31	8.2	8.0	8.1	---	---	---	8.1	8.0	8.0	7.8	7.7	7.7
MONTH	8.4	7.4	8.0	8.2	7.6	8.0	8.3	7.8	8.0	8.3	7.5	7.9
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.8	7.7	7.7	7.9	7.8	7.9	8.4	7.7	8.1	7.8	7.5	7.6
2	7.8	7.7	7.7	7.8	7.8	7.8	8.0	7.6	7.8	7.9	7.5	7.7
3	7.7	7.7	7.7	7.8	7.8	7.8	8.0	7.7	7.8	8.0	7.5	7.7
4	7.7	7.6	7.7	8.1	7.8	7.9	8.0	7.6	7.8	7.6	7.4	7.6
5	7.7	7.6	7.7	8.1	7.9	8.0	8.3	7.7	8.0	7.5	7.4	7.5
6	7.7	7.6	7.7	8.2	8.0	8.1	8.7	8.0	8.3	7.5	7.4	7.4
7	7.8	7.6	7.7	8.3	8.1	8.2	8.4	7.8	8.2	7.7	7.4	7.5
8	7.8	7.8	7.8	8.2	7.8	7.9	8.2	7.8	8.1	7.9	7.5	7.7
9	7.9	7.8	7.8	8.0	7.8	7.9	8.0	7.7	7.8	8.0	7.6	7.8
10	7.9	7.8	7.8	8.1	7.8	8.0	8.0	7.6	7.8	7.9	7.6	7.8
11	7.8	7.7	7.7	8.1	7.9	8.0	8.6	7.8	8.1	8.1	7.6	7.8
12	7.8	7.7	7.8	8.1	7.8	8.0	8.2	7.7	7.9	8.3	7.8	8.0
13	8.0	7.8	7.8	8.1	7.9	8.0	7.8	7.7	7.8	8.0	7.6	7.7
14	7.9	7.8	7.9	7.9	7.8	7.9	7.9	7.7	7.8	8.2	7.6	7.9
15	8.0	7.8	8.0	8.0	7.8	7.9	7.8	7.7	7.7	8.4	7.6	7.9
16	8.1	8.0	8.0	8.0	7.9	8.0	8.0	7.7	7.8	8.3	8.0	8.1
17	8.1	8.0	8.0	7.9	7.8	7.8	8.2	7.8	8.0	8.2	7.6	7.9
18	8.1	8.0	8.0	7.9	7.7	7.8	8.7	8.2	8.5	8.0	7.6	7.8
19	8.1	8.0	8.0	7.8	7.8	7.8	8.9	8.5	8.7	7.8	7.6	7.7
20	8.1	8.0	8.1	8.0	7.8	7.9	9.0	8.7	8.8	7.8	7.5	7.6
21	8.1	8.0	8.1	8.1	7.9	8.0	8.8	8.4	8.6	7.8	7.3	7.5
22	8.1	8.0	8.0	8.0	7.8	7.9	8.6	8.2	8.5	7.9	7.6	7.8
23	8.0	8.0	8.0	7.8	7.7	7.8	8.3	7.6	8.0	8.3	7.6	7.9
24	8.0	7.9	8.0	7.9	7.7	7.8	8.0	7.7	7.9	8.3	7.8	8.1
25	8.0	7.9	7.9	7.9	7.6	7.8	7.9	7.7	7.8	8.0	7.8	7.9
26	8.1	7.9	8.0	7.9	7.7	7.8	7.8	7.7	7.7	8.3	7.6	7.9
27	8.1	7.9	8.0	7.8	7.7	7.8	7.9	7.6	7.7	8.4	7.9	8.2
28	8.0	7.8	7.9	7.8	7.6	7.7	7.8	7.6	7.7	8.4	8.1	8.2
29	---	---	---	8.0	7.6	7.8	7.9	7.6	7.7	8.5	8.2	8.3
30	---	---	---	8.1	7.7	7.9	7.7	7.4	7.6	8.4	8.1	8.2
31	---	---	---	8.1	7.8	7.9	---	---	---	8.3	7.9	8.1
MONTH	8.1	7.6	7.9	8.3	7.6	7.9	9.0	7.4	8.0	8.5	7.3	7.8

## PAMLICO RIVER BASIN

0208455155 PAMLICO RIVER AT LIGHT 3—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP—CONTINUED  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	JUNE			JULY			AUGUST			SEPTEMBER		
				MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	8.0	7.8	7.9	8.6	8.0	8.3	8.3	7.9	8.1	8.6	8.1	8.3			
2	7.9	7.6	7.7	8.5	8.2	8.3	8.6	7.9	8.2	8.7	8.3	8.5			
3	8.3	7.5	7.8	8.4	8.2	8.3	8.6	8.2	8.3	8.6	8.3	8.5			
4	8.3	7.8	8.1	8.5	8.0	8.3	8.6	8.2	8.4	8.6	8.4	8.5			
5	8.8	7.7	8.4	8.3	7.7	8.1	8.7	8.2	8.5	8.5	8.2	8.3			
6	8.9	8.0	8.5	8.3	7.5	8.1	8.6	8.3	8.4	8.5	8.2	8.3			
7	8.6	8.0	8.2	8.6	8.0	8.3	8.5	8.1	8.3	8.4	8.2	8.3			
8	8.5	8.0	8.3	8.3	7.4	8.0	8.4	8.0	8.2	8.3	8.1	8.2			
9	8.5	7.9	8.3	8.6	7.6	8.2	8.3	8.0	8.1	8.3	8.0	8.1			
10	8.2	7.4	7.9	8.6	7.6	8.2	8.6	7.8	8.1	8.1	8.0	8.0			
11	7.6	7.3	7.4	8.7	8.1	8.4	8.8	7.7	8.3	---	---	---			
12	7.7	7.3	7.4	8.6	8.0	8.4	8.6	8.2	8.4	---	---	---			
13	8.2	7.5	7.8	8.4	7.6	8.0	8.5	8.1	8.3	---	---	---			
14	8.2	7.3	7.6	8.5	7.5	8.0	8.5	8.1	8.3	---	---	---			
15	8.4	7.5	8.0	8.6	8.0	8.3	8.5	7.8	8.2	---	---	---			
16	8.4	8.2	8.3	8.9	8.3	8.6	8.4	8.3	8.4	---	---	---			
17	8.4	7.9	8.1	8.7	8.5	8.6	8.4	8.0	8.2	---	---	---			
18	8.4	7.8	8.2	8.7	8.2	8.5	8.3	8.1	8.2	---	---	---			
19	8.2	7.6	7.9	8.7	8.3	8.5	8.6	7.9	8.3	---	---	---			
20	8.1	7.9	8.0	8.6	8.3	8.5	8.6	8.1	8.3	8.6	8.1	8.4			
21	8.2	7.8	8.0	8.7	8.3	8.5	8.6	8.2	8.5	8.6	8.2	8.4			
22	8.2	7.6	8.0	8.6	8.1	8.4	8.6	8.3	8.5	8.4	8.1	8.3			
23	8.3	7.9	8.1	8.7	8.1	8.5	8.6	8.3	8.5	8.7	8.3	8.5			
24	8.3	7.7	8.0	8.7	8.2	8.5	8.6	8.3	8.5	8.5	8.2	8.4			
25	8.1	7.6	7.9	8.7	8.3	8.5	8.4	8.2	8.3	8.3	8.1	8.2			
26	8.0	7.6	7.7	8.7	8.2	8.5	8.6	8.2	8.4	8.3	8.1	8.2			
27	8.2	7.6	7.9	8.7	8.3	8.5	8.5	8.2	8.3	8.2	8.0	8.1			
28	8.2	7.8	8.1	8.6	8.3	8.5	8.4	8.2	8.3	8.3	8.0	8.2			
29	8.1	7.8	8.0	8.4	8.0	8.2	8.3	8.2	8.2	8.4	8.0	8.1			
30	8.4	7.5	7.9	8.2	8.0	8.1	8.5	8.1	8.3	8.2	8.0	8.1			
31	---	---	---	8.4	8.0	8.1	8.4	8.0	8.3	---	---	---			
MONTH	8.9	7.3	8.0	8.9	7.4	8.3	8.8	7.7	8.3	---	---	---			

## 0208455155 PAMLICO RIVER AT LIGHT 3—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	8.0	7.2	7.7	7.9	7.5	7.6	7.9	7.8	7.9	8.1	7.7	7.8
2	8.0	7.6	7.7	8.0	7.4	7.7	8.1	7.8	8.0	8.0	7.7	7.8
3	8.0	7.4	7.6	8.1	7.4	7.7	8.2	8.1	8.1	8.0	7.7	7.8
4	8.0	7.3	7.7	7.9	7.3	7.6	8.2	8.0	8.1	8.0	7.7	7.8
5	8.2	7.3	7.9	8.0	7.7	7.8	8.2	7.9	8.0	8.2	7.7	7.8
6	8.2	7.7	7.9	8.0	7.8	7.9	8.2	7.9	8.0	8.0	7.7	7.8
7	8.0	7.5	7.8	8.0	7.8	7.9	8.2	7.8	8.0	8.1	7.6	7.8
8	7.9	7.2	7.7	7.9	7.9	7.9	8.1	7.9	8.0	8.1	7.7	7.9
9	8.1	7.2	7.6	8.0	7.8	7.9	8.2	7.8	8.0	8.0	7.5	7.8
10	8.4	7.5	8.0	8.0	7.9	7.9	8.0	7.7	7.9	8.0	7.7	7.9
11	8.4	7.4	8.1	8.0	7.9	7.9	8.1	7.9	8.0	8.0	7.6	7.9
12	8.5	7.7	8.1	7.9	7.7	7.8	8.1	7.9	8.0	8.0	7.4	7.9
13	8.2	7.7	7.9	7.9	7.8	7.8	8.1	7.9	8.0	8.0	7.4	7.8
14	8.3	7.7	8.0	7.9	7.8	7.9	8.1	8.0	8.0	7.9	7.5	7.8
15	8.2	7.6	7.9	8.0	7.9	7.9	8.1	8.0	8.0	7.7	7.6	7.6
16	8.3	7.9	8.1	8.0	7.8	7.9	8.1	7.9	8.0	7.8	7.6	7.7
17	8.2	8.0	8.1	8.0	7.7	7.8	8.2	7.8	8.0	7.8	7.7	7.7
18	8.3	7.5	8.0	7.9	7.5	7.7	8.2	7.8	8.0	7.8	7.7	7.8
19	8.2	7.5	7.8	7.8	7.6	7.7	8.2	7.8	8.1	8.1	7.7	7.9
20	8.2	7.5	7.8	7.8	7.6	7.8	8.2	8.0	8.1	8.0	7.8	7.9
21	8.2	7.4	8.0	8.0	7.6	7.7	8.0	7.9	8.0	8.0	7.8	7.9
22	8.1	7.8	7.9	8.0	7.7	7.7	8.0	7.9	7.9	8.0	7.9	7.9
23	8.0	7.8	7.9	7.9	7.6	7.7	8.0	7.8	7.9	8.0	7.7	7.8
24	8.0	7.7	7.9	7.8	7.6	7.7	8.0	7.8	8.0	7.7	7.6	7.6
25	8.1	7.7	7.8	8.0	7.7	7.9	7.9	7.8	7.8	7.6	7.6	7.6
26	8.0	7.5	7.8	7.9	7.8	7.8	7.8	7.8	7.8	7.9	7.5	7.7
27	7.9	7.5	7.7	7.9	7.8	7.8	7.9	7.8	7.8	7.9	7.8	7.9
28	7.8	7.6	7.7	7.9	7.8	7.9	7.9	7.8	7.8	7.9	7.9	7.9
29	8.0	7.4	7.6	8.0	7.8	7.9	8.0	7.8	7.9	7.9	7.9	7.9
30	7.9	7.4	7.6	8.0	7.8	7.8	8.0	7.8	8.0	7.9	7.9	7.9
31	8.1	7.5	7.6	---	---	---	8.0	7.8	8.0	7.9	7.9	7.9
MONTH	8.5	7.2	7.8	8.1	7.3	7.8	8.2	7.7	8.0	8.2	7.4	7.8
	FEBRUARY			MARCH			APRIL			MAY		
1	7.9	7.9	7.9	8.0	7.9	8.0	8.2	7.5	7.8	7.5	7.4	7.5
2	7.9	7.8	7.9	8.0	7.9	8.0	8.0	7.5	7.8	7.8	7.3	7.5
3	7.9	7.8	7.9	8.0	7.7	7.9	7.9	7.7	7.9	7.7	7.4	7.5
4	7.9	7.8	7.9	8.0	7.6	7.8	8.0	7.6	7.8	7.8	7.5	7.6
5	7.9	7.8	7.9	8.2	7.8	8.0	7.9	7.5	7.7	7.7	7.6	7.7
6	7.9	7.8	7.8	8.3	7.8	8.1	7.8	7.3	7.6	7.7	7.5	7.6
7	7.9	7.7	7.8	8.3	8.0	8.2	8.2	7.3	7.7	7.7	7.5	7.6
8	7.9	7.7	7.8	8.2	7.9	8.0	7.8	7.5	7.7	8.1	7.5	7.8
9	7.9	7.8	7.8	8.2	7.7	8.0	8.0	7.6	7.9	8.2	7.2	7.7
10	8.0	7.8	7.9	8.3	8.0	8.2	8.0	7.6	7.8	8.0	7.4	7.7
11	7.9	7.8	7.9	8.3	7.9	8.1	8.0	7.5	7.7	8.1	7.6	7.7
12	8.0	7.8	7.9	8.3	8.1	8.2	8.1	7.3	7.7	8.2	7.1	7.7
13	8.0	7.8	7.9	8.2	8.1	8.1	7.8	7.7	7.8	7.8	7.1	7.7
14	8.0	7.8	7.9	8.2	8.1	8.2	8.0	7.7	7.8	7.8	7.1	7.6
15	8.2	7.8	7.9	8.3	8.1	8.2	7.9	7.7	7.8	8.0	6.9	7.5
16	8.2	7.8	8.1	8.2	8.0	8.2	8.0	7.7	7.8	8.3	6.9	7.7
17	8.3	8.2	8.2	8.1	8.0	8.1	8.2	7.7	7.9	8.2	6.9	7.7
18	8.2	8.1	8.2	8.1	8.0	8.0	8.3	7.4	7.8	8.0	7.4	7.7
19	8.2	8.1	8.1	8.1	8.0	8.1	8.2	7.5	7.7	7.8	7.4	7.6
20	8.2	8.0	8.1	8.2	8.0	8.1	8.1	7.3	7.5	7.7	7.5	7.6
21	8.2	7.8	8.1	8.2	7.8	8.0	8.3	7.4	7.6	7.7	7.3	7.5
22	8.2	8.0	8.1	8.1	7.8	8.0	8.3	7.4	7.7	7.7	7.4	7.6
23	8.2	8.1	8.2	8.1	7.9	8.0	8.0	7.3	7.6	7.8	7.2	7.5
24	8.2	8.1	8.1	8.0	7.6	8.0	7.9	7.6	7.8	8.0	7.2	7.7
25	8.1	7.9	8.0	8.0	7.9	8.0	7.8	7.6	7.7	8.0	7.7	7.8
26	8.1	7.8	8.0	8.0	7.9	8.0	7.7	7.5	7.6	7.9	7.6	7.7
27	8.2	7.8	8.0	8.0	7.8	7.9	7.7	7.5	7.6	7.8	7.3	7.5
28	8.1	7.9	8.0	8.0	7.7	7.9	7.7	7.5	7.6	8.2	7.2	7.8
29	---	---	---	8.0	7.9	7.9	7.7	7.2	7.6	8.3	7.5	7.9
30	---	---	---	8.0	7.6	7.8	7.6	7.0	7.5	8.2	7.4	8.0
31	---	---	---	8.1	7.7	7.9	---	---	---	7.9	7.1	7.4
MONTH	8.3	7.7	8.0	8.3	7.6	8.0	8.3	7.0	7.7	8.3	6.9	7.6



## PAMLICO RIVER BASIN

0208455155 PAMLICO RIVER AT LIGHT 3—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM—CONTINUED  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.8	7.1	7.5	8.4	7.0	7.6	8.2	7.9	8.0	8.3	8.0	8.2
2	7.8	7.5	7.6	8.5	7.1	8.2	8.5	7.9	8.1	8.3	7.8	8.1
3	7.7	7.2	7.4	8.4	7.2	8.1	8.3	7.8	8.1	8.4	7.5	8.2
4	7.6	7.2	7.3	8.4	7.5	8.2	8.4	7.3	8.1	8.4	7.4	8.1
5	7.7	7.2	7.3	8.4	7.7	8.1	8.5	7.7	8.2	8.3	8.1	8.2
6	7.4	7.1	7.2	8.2	7.4	7.8	8.4	7.5	8.1	8.2	8.0	8.2
7	7.5	6.8	7.1	8.1	7.2	7.6	8.4	7.3	8.1	8.2	8.1	8.2
8	7.3	6.8	6.9	8.1	7.4	7.8	8.2	7.9	8.0	8.3	8.0	8.2
9	7.4	6.8	7.0	8.1	7.0	7.7	8.2	7.8	8.0	8.3	8.1	8.2
10	7.8	6.7	7.0	8.0	7.0	7.5	8.4	7.5	8.0	8.2	8.1	8.1
11	7.5	6.8	7.0	8.4	7.0	7.6	8.6	7.1	7.9	---	---	---
12	7.5	6.8	7.2	8.4	7.0	8.0	8.4	7.1	8.0	---	---	---
13	7.7	6.8	7.2	8.4	7.0	7.8	8.4	7.2	7.9	---	---	---
14	7.9	6.9	7.4	8.0	7.4	7.6	8.3	7.4	7.9	---	---	---
15	7.9	7.2	7.6	8.5	7.7	8.0	8.5	7.8	8.1	---	---	---
16	8.3	7.2	7.7	8.4	7.0	7.9	8.4	7.2	7.9	---	---	---
17	8.2	7.1	7.8	8.6	7.1	8.3	8.3	7.3	8.1	---	---	---
18	8.3	7.0	7.6	8.5	7.0	8.2	8.3	8.0	8.2	---	---	---
19	8.2	7.3	7.9	8.6	7.7	8.3	8.4	7.8	8.1	---	---	---
20	8.1	8.0	8.0	8.5	7.8	8.3	8.4	8.0	8.2	8.3	7.1	7.6
21	8.1	7.7	7.9	8.5	7.1	8.2	8.6	7.8	8.2	8.6	7.1	7.9
22	8.3	7.3	7.8	8.5	7.9	8.2	8.6	7.6	8.1	8.4	7.2	8.0
23	8.2	7.1	7.7	8.5	7.3	8.1	8.5	8.0	8.3	8.3	7.2	8.0
24	8.3	7.1	7.8	8.6	7.2	8.2	8.6	7.4	8.2	8.4	7.3	8.1
25	8.2	7.3	7.9	8.5	8.0	8.3	8.4	7.3	8.0	8.3	7.6	8.1
26	8.0	7.7	7.9	8.4	7.3	8.2	8.6	8.2	8.3	8.2	8.0	8.1
27	8.1	7.3	7.7	8.4	7.3	7.9	8.5	8.2	8.3	8.2	7.9	8.1
28	8.1	7.2	7.7	8.5	7.4	8.2	8.4	8.0	8.2	8.3	8.0	8.1
29	8.1	7.1	7.5	8.2	7.5	8.0	8.4	8.1	8.2	8.2	7.9	8.0
30	7.7	7.2	7.5	8.2	7.2	8.0	8.5	8.0	8.2	8.2	8.0	8.1
31	---	---	---	8.1	7.2	8.0	8.6	8.2	8.4	---	---	---
MONTH	8.3	6.7	7.5	8.6	7.0	8.0	8.6	7.1	8.1	---	---	---

## 0208455155 PAMLICO RIVER AT LIGHT 3—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, TOP  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	24.1	23.4	23.8	20.2	18.1	19.4	13.0	11.8	12.6	6.8	5.6	5.9
2	24.7	23.8	24.0	20.7	18.5	19.5	12.5	11.8	12.2	7.9	6.0	7.1
3	25.4	24.0	24.4	19.7	18.9	19.3	12.0	11.3	11.7	8.1	6.3	7.0
4	25.2	24.0	24.5	19.5	18.6	18.9	11.7	10.4	11.1	9.2	6.4	7.8
5	24.6	23.5	24.2	18.8	17.8	18.1	11.6	10.0	10.8	9.9	8.6	9.3
6	23.6	22.5	23.1	18.0	17.2	17.5	11.8	10.6	11.4	9.7	8.8	9.1
7	23.2	21.6	22.1	17.2	16.6	16.9	12.9	11.3	12.0	10.2	9.0	9.6
8	22.3	21.2	21.8	16.8	16.1	16.6	14.5	12.6	13.1	10.4	9.6	10.0
9	22.6	21.4	21.8	16.1	15.1	15.6	13.7	13.0	13.2	10.7	9.8	10.2
10	22.7	21.6	22.0	15.5	14.6	14.9	14.7	13.3	14.0	11.1	9.8	10.3
11	22.2	21.1	21.6	15.1	14.2	14.6	14.4	13.2	13.9	11.0	10.2	10.5
12	21.5	20.0	20.9	15.0	14.4	14.7	13.3	12.4	12.8	12.1	10.2	10.8
13	21.3	20.3	20.9	15.0	13.8	14.6	12.4	11.6	12.0	12.6	11.0	11.6
14	21.2	20.9	21.1	13.8	12.6	13.2	11.8	10.7	11.1	12.7	11.5	11.9
15	20.9	20.1	20.6	13.1	12.2	12.7	10.7	8.9	9.8	11.5	10.0	10.6
16	20.1	18.6	19.4	12.2	11.4	11.9	9.2	8.0	8.5	10.0	9.2	9.6
17	19.7	18.7	19.2	12.5	11.2	11.8	8.2	7.0	7.9	9.5	8.0	8.6
18	19.3	18.6	18.9	12.6	11.2	12.1	8.5	7.9	8.2	8.0	6.1	7.0
19	20.5	19.0	19.6	12.8	11.5	12.0	8.5	7.5	8.1	6.1	4.9	5.2
20	20.2	19.9	20.0	13.5	12.3	12.8	8.1	5.8	7.0	5.8	4.3	5.0
21	20.0	19.6	19.8	14.0	12.9	13.4	6.1	5.1	5.6	5.6	4.8	5.3
22	19.8	18.7	19.2	14.4	12.9	13.6	6.8	5.3	6.0	5.0	4.3	4.6
23	18.8	18.0	18.3	14.3	13.3	14.0	8.3	6.3	7.1	4.6	3.0	3.8
24	18.1	16.7	17.4	14.6	13.6	14.1	7.7	7.0	7.5	3.3	2.4	2.8
25	17.0	16.5	16.8	15.2	14.0	14.6	7.1	6.2	6.8	3.5	2.3	2.6
26	16.9	16.1	16.5	14.1	12.9	13.4	6.3	5.3	5.9	3.8	2.4	3.1
27	17.2	15.7	16.4	12.9	12.3	12.5	5.3	4.3	5.0	3.6	2.9	3.3
28	17.5	16.4	16.9	13.2	12.2	12.8	4.9	3.8	4.2	2.9	2.2	2.5
29	17.4	16.7	17.0	12.8	12.2	12.4	4.3	3.0	3.8	3.1	1.8	2.2
30	18.6	17.0	17.7	12.6	11.4	12.1	5.3	4.1	4.6	3.1	2.4	2.8
31	20.0	18.1	18.8	---	---	---	6.1	4.5	5.3	3.2	2.7	2.9
MONTH	25.4	15.7	20.3	20.7	11.2	14.7	14.7	3.0	9.1	12.7	1.8	6.9
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	3.3	2.9	3.1	8.4	7.8	8.1	16.1	14.6	15.1	18.4	17.3	17.7
2	4.1	2.7	3.3	7.8	6.8	7.4	15.8	14.6	15.4	19.4	17.4	18.2
3	3.8	3.4	3.5	7.1	6.3	6.7	14.9	13.9	14.5	19.8	17.6	18.2
4	3.7	3.3	3.5	8.2	6.0	6.8	15.2	13.3	14.3	18.6	17.3	18.1
5	4.4	3.5	3.9	8.2	6.8	7.4	15.5	14.3	14.9	18.1	17.4	17.9
6	5.1	3.8	4.5	8.7	7.2	7.8	18.0	14.7	15.8	17.4	15.6	16.5
7	5.1	4.5	4.8	9.0	7.6	8.3	17.4	16.4	16.9	16.5	14.8	15.6
8	5.8	4.6	5.1	9.7	8.2	8.8	18.1	16.9	17.6	17.4	15.8	16.5
9	8.0	5.4	6.3	8.6	7.5	8.0	17.8	16.1	16.8	18.9	16.2	17.1
10	8.0	6.3	7.2	8.8	7.4	8.0	16.1	15.0	15.6	18.6	17.0	17.9
11	6.5	5.5	5.9	10.0	7.9	8.5	17.1	14.8	15.7	20.2	17.7	18.6
12	5.9	4.9	5.5	8.6	7.6	8.2	16.0	15.0	15.3	21.2	18.4	19.5
13	6.5	5.3	5.9	10.0	8.0	8.9	15.5	14.4	15.0	20.1	19.0	19.4
14	7.2	6.1	6.6	8.9	8.4	8.7	14.4	13.6	14.1	21.2	18.7	19.8
15	9.6	6.8	7.4	9.9	8.0	8.8	13.8	12.6	13.1	22.2	19.8	20.7
16	9.3	7.3	8.2	9.0	8.5	8.8	12.6	11.7	12.2	21.4	20.6	21.0
17	9.3	8.3	8.6	8.5	7.6	8.1	13.0	11.8	12.4	21.9	20.3	21.0
18	8.3	7.7	8.0	8.4	7.5	8.0	15.6	12.2	13.3	21.8	20.2	20.9
19	9.2	7.2	7.8	8.7	8.0	8.4	16.2	12.9	14.2	21.1	20.7	20.9
20	8.4	7.4	7.8	10.7	8.4	9.1	17.4	14.7	15.9	21.4	20.6	21.0
21	9.2	8.0	8.4	10.7	9.5	10	19.6	15.7	16.7	21.0	20.1	20.6
22	9.2	8.5	8.8	11.0	9.6	10.3	18.4	16.7	17.4	21.0	20.1	20.5
23	9.5	8.6	9.0	12.1	10.5	11.0	17.7	15.3	16.9	22.3	20.2	21.1
24	9.0	8.8	8.9	13.0	11.0	11.8	16.8	14.9	15.7	22.6	21.2	21.7
25	8.8	8.0	8.4	12.1	11.6	11.9	15.4	13.9	14.7	21.5	20.1	20.8
26	9.4	7.6	8.1	12.9	11.7	12.2	15.5	14.7	15.1	21.7	19.6	20.5
27	8.2	7.5	8.0	12.4	12.1	12.3	17.1	15.3	15.7	23.7	20.3	21.4
28	8.4	7.9	8.1	14.1	12.4	12.9	17.4	15.3	16.1	22.9	21.1	22.0
29	---	---	---	14.2	12.5	13.3	16.8	15.9	16.3	23.7	22.0	22.8
30	---	---	---	14.9	13.1	13.9	18.2	16.3	16.9	22.9	22.4	22.6
31	---	---	---	15.2	13.7	14.5	---	---	---	23.2	22.0	22.4
MONTH	9.6	2.7	6.6	15.2	6.0	9.6	19.6	11.7	15.3	23.7	14.8	19.8

## PAMLICO RIVER BASIN

0208455155 PAMLICO RIVER AT LIGHT 3—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, TOP—CONTINUED  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	22.1	21.1	21.7	29.4	26.7	27.6	29.0	28.5	28.8	30.6	27.8	29.0
2	21.1	20.7	20.9	29.4	27.7	28.0	30.7	28.5	29.3	31.1	28.7	29.6
3	22.6	20.8	21.5	28.5	27.6	28.0	30.8	29.0	29.7	30.4	28.8	29.3
4	22.6	21.7	22.1	29.2	27.6	28.3	32.5	29.6	30.2	28.8	27.9	28.3
5	25.1	21.5	23.1	29.2	27.8	28.4	31.6	29.3	30.0	27.9	26.9	27.3
6	25.6	22.8	24.1	30.3	27.9	28.9	30.6	29.4	29.9	27.0	26.0	26.4
7	26.7	24.0	24.9	31.7	29.2	29.9	30.2	29.5	29.9	26.3	25.8	26.1
8	26.4	24.5	25.5	29.6	28.2	29.0	29.6	28.8	29.3	26.3	25.5	25.9
9	26.9	25.3	26.2	31.1	28.7	29.4	29.7	28.8	29.1	27.0	25.5	26.0
10	26.8	25.3	26.0	32.0	28.5	29.6	31.4	28.6	29.2	26.1	25.0	25.5
11	26.2	24.9	25.5	30.9	29.2	29.9	31.9	28.4	29.5	---	---	---
12	26.8	25.1	25.9	30.8	29.4	29.9	31.7	29.1	30.0	---	---	---
13	27.8	26.0	26.8	29.8	28.2	29.0	31.5	29.4	30.3	---	---	---
14	29.2	26.1	27.2	29.0	27.6	28.2	31.2	29.8	30.3	---	---	---
15	30.5	27.1	28.5	29.1	27.8	28.3	32.4	29.7	30.6	---	---	---
16	30.0	28.7	29.1	30.6	28.2	29.1	31.7	30.5	30.9	---	---	---
17	29.0	27.8	28.2	30.0	28.7	29.3	31.0	29.9	30.3	---	---	---
18	28.2	27.4	27.8	30.4	28.8	29.5	30.8	29.4	29.8	---	---	---
19	27.4	26.7	27.0	30.5	29.0	29.8	31.1	29.4	30.1	---	---	---
20	26.7	25.4	26.0	30.8	29.2	30.0	32.0	29.5	30.6	28.1	26.1	26.9
21	26.4	24.8	25.5	33.0	29.3	30.2	33.0	29.9	31.1	27.4	26.2	26.6
22	27.1	24.7	25.8	31.3	29.1	30.2	31.7	30.3	31.0	26.9	25.7	26.3
23	27.3	25.8	26.3	31.5	29.8	30.3	31.2	30.2	30.7	28.5	26.0	26.7
24	27.5	25.7	26.4	31.0	29.3	30.1	30.3	29.1	29.7	27.6	26.5	27.0
25	26.6	26.1	26.3	31.0	28.9	29.9	29.1	28.1	28.6	27.1	26.0	26.5
26	26.6	25.9	26.2	32.1	29.5	30.4	28.6	27.2	28.0	26.8	25.6	26.3
27	28.2	26.1	27.0	33.2	30.1	31.1	28.2	27.2	27.5	26.7	26.0	26.3
28	27.4	26.8	27.1	32.8	30.5	31.3	28.3	27.1	27.6	26.4	25.3	25.9
29	27.1	26.3	26.7	31.1	29.7	30.3	28.3	27.4	27.8	27.6	25.4	25.9
30	29.2	25.8	26.8	30.2	29.2	29.7	29.4	27.5	28.3	25.8	24.9	25.3
31	---	---	---	29.7	28.9	29.2	29.0	28.0	28.5	---	---	---
MONTH	30.5	20.7	25.7	33.2	26.7	29.4	33.0	27.1	29.6	---	---	---

## 0208455155 PAMLICO RIVER AT LIGHT 3—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	24.0	23.6	23.8	17.9	17.1	17.3	13.0	12.5	12.8	5.5	5.0	5.3
2	24.2	23.6	23.8	18.6	17.3	17.7	12.6	11.9	12.2	6.0	5.1	5.4
3	24.5	24.0	24.2	19.6	17.5	18.6	12.1	11.5	11.8	5.8	5.3	5.6
4	24.6	24.0	24.3	18.8	17.9	18.4	12.2	11.5	11.9	7.2	5.5	5.9
5	24.5	23.6	24.2	18.8	17.9	18.1	12.2	11.1	11.9	7.9	5.8	6.1
6	23.7	22.5	23.1	17.9	17.2	17.6	12.2	11.4	12.1	8.1	5.8	6.2
7	22.7	21.7	22.1	17.6	16.7	17.1	12.7	11.7	12.2	8.9	6.2	7.1
8	22.4	21.4	21.9	16.8	16.1	16.6	12.9	12.6	12.8	10.4	6.7	8.4
9	22.4	21.6	22.0	16.1	15.1	15.6	13.1	12.7	12.9	10.5	7.7	9.8
10	22.3	21.8	22.1	15.2	14.6	14.9	14.5	12.6	13.8	10.6	8.5	9.8
11	22.2	21.2	21.6	14.8	14.4	14.6	14.4	13.3	14.0	10.5	8.5	10
12	22.0	20.5	21.3	14.9	14.4	14.6	13.3	12.5	12.8	11.4	8.0	10.1
13	21.8	21.2	21.6	15.0	13.8	14.6	12.5	11.7	12.0	11.7	8.3	10.1
14	21.6	21.0	21.3	13.8	12.6	13.2	11.8	10.8	11.2	12.7	11.3	11.9
15	21.5	20.1	21.0	13.1	12.4	12.7	10.8	9.3	10.0	11.6	10.1	10.7
16	20.1	18.9	19.5	12.8	12.2	12.5	9.8	8.3	9.0	10.1	9.3	9.7
17	19.5	18.7	19.1	12.7	11.9	12.4	9.8	8.2	8.9	9.6	8.0	8.7
18	19.9	18.6	19.0	12.9	12.3	12.6	9.4	8.2	8.8	8.0	6.7	7.2
19	20.2	19.0	19.6	13.0	12.2	12.8	9.3	8.2	8.7	6.9	5.1	6.1
20	20.2	19.7	19.9	13.1	12.7	12.8	8.2	6.1	7.3	5.5	4.9	5.2
21	19.9	19.5	19.7	13.2	12.7	12.9	7.0	5.8	6.3	5.6	5.0	5.4
22	19.7	18.5	19.1	13.2	12.9	13.0	7.4	6.1	6.9	5.2	4.5	4.8
23	18.6	17.9	18.2	13.4	12.9	13.1	8.3	6.3	7.5	4.7	3.2	4.0
24	18.0	17.0	17.5	14.2	13.1	13.3	8.4	7.2	7.6	3.4	2.6	3.0
25	18.1	16.7	17.4	15.2	14.0	14.6	7.2	6.4	6.9	3.4	2.5	3.0
26	17.6	16.1	16.9	14.1	12.9	13.4	6.4	5.5	6.0	3.7	2.9	3.2
27	17.6	16.8	17.2	12.9	12.2	12.5	5.5	4.7	5.1	3.7	3.0	3.5
28	17.3	16.9	17.1	13.2	12.4	12.8	5.2	4.3	4.8	3.0	2.4	2.7
29	17.6	17.1	17.3	12.7	12.2	12.5	5.1	4.0	4.5	2.8	2.0	2.3
30	17.5	17.1	17.3	12.8	12.2	12.6	4.8	4.4	4.6	3.2	2.4	2.9
31	18.1	17.0	17.4	---	---	---	5.6	4.8	5.1	3.4	2.8	3.0
MONTH	24.6	16.1	20.3	19.6	11.9	14.5	14.5	4.0	9.4	12.7	2.0	6.4
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	3.4	3.1	3.2	8.5	7.9	8.2	15.5	14.0	14.8	18.0	17.3	17.7
2	3.8	3.1	3.4	7.9	6.9	7.5	15.8	14.3	15.3	19.3	17.6	18.1
3	3.7	3.2	3.5	7.2	6.4	6.8	15.1	14.1	14.7	18.4	17.7	18.0
4	3.8	3.4	3.7	7.5	6.4	7.0	15.1	13.6	14.3	18.5	17.4	18.0
5	4.2	3.7	3.9	8.1	7.0	7.4	15.2	14.2	14.6	18.1	17.4	17.9
6	4.4	4.0	4.1	8.8	7.3	7.8	15.2	14.4	14.8	17.4	15.7	16.5
7	4.3	4.0	4.1	8.8	7.8	8.2	17.1	14.6	15.6	16.0	14.8	15.4
8	4.7	4.1	4.4	9.7	8.2	8.8	16.8	16.0	16.5	17.2	15.8	16.3
9	5.1	4.5	4.7	8.5	7.9	8.2	17.6	16.2	16.8	18.5	16.1	16.7
10	7.4	4.6	5.9	8.9	7.7	8.2	16.2	15.0	15.5	18.3	17.1	17.7
11	6.6	5.6	6.0	9.4	8.2	8.5	15.7	15.2	15.5	19.5	17.7	18.1
12	6.0	5.2	5.6	8.8	7.9	8.5	15.6	15.0	15.3	20.7	17.9	18.7
13	6.2	5.6	5.8	9.2	8.7	8.9	15.4	14.4	14.9	19.9	18.1	19.3
14	6.9	5.9	6.2	9.1	8.8	8.9	14.4	13.6	14.1	19.5	18.9	19.0
15	7.5	6.2	6.7	9.7	8.3	9.0	13.8	12.6	13.1	20.6	18.6	19.7
16	8.7	6.3	7.6	9.6	8.6	9.1	12.6	11.5	12.1	21.2	18.6	20.3
17	9.0	8.3	8.6	8.6	7.8	8.3	12.7	11.7	11.9	21.8	19.1	20.5
18	8.3	7.9	8.1	8.7	7.5	8.0	13.0	11.7	12.3	21.5	20.1	20.7
19	7.9	7.3	7.5	8.9	8.2	8.6	12.9	11.7	12.1	21.2	20.8	21.0
20	7.7	7.4	7.5	9.0	8.7	8.9	12.9	11.8	12.1	21.4	20.6	21.0
21	9.2	7.5	8.3	10.0	8.9	9.4	15.4	12.0	12.8	21.0	20.1	20.6
22	9.0	8.6	8.8	10.9	9.2	10.1	17.8	12.2	14.6	20.8	20.0	20.5
23	9.6	8.7	9.1	12.3	10.6	11.2	17.3	12.7	15.6	21.3	20.3	20.7
24	9.1	8.9	9.0	12.7	11.4	12.0	16.9	15.0	15.7	21.6	20.4	21.3
25	8.9	8.2	8.5	12.3	11.7	12.0	15.5	13.9	14.7	21.4	20.1	20.8
26	8.2	7.9	8.1	12.8	11.8	12.1	15.5	14.8	15.1	20.5	19.7	20.0
27	8.6	8.0	8.2	12.6	12.3	12.5	16.1	15.3	15.6	21.1	19.8	20.1
28	8.4	7.9	8.2	14.2	12.4	13.0	16.6	15.3	15.8	22.5	20.0	21.3
29	---	---	---	13.9	12.6	13.3	16.7	15.8	16.2	23.2	21.9	22.3
30	---	---	---	14.3	13.4	13.6	18.3	15.7	16.9	22.9	22.0	22.5
31	---	---	---	15.4	13.5	14.4	---	---	---	22.5	20.3	21.4
MONTH	9.6	3.1	6.4	15.4	6.4	9.6	18.3	11.5	14.6	23.2	14.8	19.4

## PAMLICO RIVER BASIN

0208455155 PAMLICO RIVER AT LIGHT 3—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM—CONTINUED  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	21.8	20.6	21.3	27.9	26.1	26.5	29.0	28.5	28.8	29.0	28.1	28.4
2	21.1	20.7	20.9	28.3	26.7	27.7	30.0	28.4	28.8	29.1	28.4	28.7
3	21.8	20.8	21.0	28.2	26.8	27.7	30.1	28.8	29.2	29.8	28.6	29.1
4	21.5	20.8	20.9	29.0	27.5	28.0	30.5	29.0	29.5	29.4	27.9	28.5
5	21.7	20.8	21.0	29.0	28.0	28.4	30.6	29.1	29.6	27.9	26.9	27.3
6	21.8	20.8	21.1	29.4	28.0	28.3	30.3	29.2	29.6	27.0	26.0	26.4
7	23.4	20.8	21.7	29.5	28.0	28.7	30.2	29.4	29.7	26.3	25.8	26.1
8	23.4	21.0	22.0	29.3	28.2	28.9	29.5	29.0	29.2	26.0	25.2	25.6
9	24.5	22.0	22.9	29.4	28.6	29.0	29.2	28.8	29.0	26.1	25.2	25.6
10	26.1	21.8	23.6	29.4	28.6	28.9	29.1	28.4	28.6	25.8	24.6	25.2
11	26.1	22.9	24.5	29.9	28.8	29.1	29.2	28.2	28.6	---	---	---
12	26.5	24.1	25.4	30.0	28.8	29.5	30.2	28.5	29.1	---	---	---
13	26.7	24.4	25.9	29.8	28.2	29.0	30.6	28.9	29.5	---	---	---
14	27.8	26.0	26.5	28.4	27.8	28.1	30.4	29.4	29.7	---	---	---
15	28.2	27.1	27.4	28.8	27.9	28.2	30.9	29.4	29.8	---	---	---
16	29.1	27.5	28.4	28.9	28.3	28.4	30.7	29.1	30.0	---	---	---
17	28.8	27.2	28.1	29.6	28.5	29.0	30.5	29.6	30.0	---	---	---
18	28.2	26.8	27.6	29.9	28.3	29.1	30.0	29.3	29.6	---	---	---
19	27.4	26.7	27.0	30.4	29.1	29.7	30.3	29.3	29.7	---	---	---
20	26.7	25.4	26.1	30.3	29.2	29.7	30.4	29.5	30.0	27.0	25.2	25.8
21	25.4	24.6	25.0	30.3	28.6	29.5	31.7	29.8	30.4	27.1	25.7	26.5
22	26.6	24.7	25.2	31.0	29.1	29.8	31.0	30.3	30.6	27.0	26.0	26.5
23	26.2	24.8	25.6	30.5	29.3	29.9	31.0	30.4	30.7	26.8	26.0	26.3
24	27.4	24.9	26.1	30.6	29.2	29.8	30.5	29.7	30.0	27.4	26.1	26.8
25	26.6	26.0	26.3	30.0	29.1	29.4	29.7	28.4	29.1	27.0	26.2	26.5
26	26.5	25.8	26.2	30.1	29.2	29.6	28.7	27.5	28.0	26.7	26.0	26.3
27	27.0	26.0	26.4	30.5	29.1	29.8	28.4	27.5	27.8	26.7	26.0	26.4
28	27.1	26.1	26.7	31.8	29.8	30.7	28.4	27.1	27.7	26.4	25.4	25.8
29	27.0	25.9	26.4	30.9	29.7	30.1	28.6	27.6	28.1	26.1	25.6	25.7
30	26.4	25.9	26.1	29.9	29.2	29.6	28.6	28.0	28.1	25.8	25.0	25.3
31	---	---	---	29.3	28.8	29.1	29.3	28.3	28.8	---	---	---
MONTH	29.1	20.6	24.8	31.8	26.1	29.0	31.7	27.1	29.3	---	---	---





## 0208455155 PAMLICO RIVER AT LIGHT 3—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	8.0	4.2	6.7	7.6	5.5	6.2	9.4	8.8	9.1	12.2	10.0	10.8
2	7.5	6.4	6.8	8.3	5.0	6.5	10.0	9.3	9.6	11.8	10.0	10.8
3	8.0	5.2	6.5	8.5	4.8	6.9	10.2	9.6	9.9	12.2	9.7	10.5
4	8.1	4.9	6.7	7.6	4.3	6.0	10.2	9.1	9.7	11.6	9.8	10.2
5	8.6	4.8	7.4	8.5	7.5	7.8	10.3	8.9	9.4	11.3	9.8	10.1
6	8.7	6.9	7.8	8.9	7.7	8.1	10.2	8.5	8.9	10.9	9.6	10.2
7	8.0	6.2	7.2	8.8	7.6	8.3	10.0	8.3	8.9	10.6	9.0	9.9
8	7.8	4.8	6.8	8.7	8.2	8.5	9.6	8.5	9.1	11.0	9.8	10.2
9	8.1	4.4	6.2	9.0	8.3	8.6	9.8	7.8	9.0	10.7	8.8	10.0
10	9.0	5.9	7.6	9.1	8.4	8.7	9.5	8.4	9.1	10.5	9.6	10.3
11	9.1	4.3	7.9	9.1	8.5	8.8	9.6	8.8	9.2	10.6	9.1	10.1
12	9.2	6.6	8.0	8.8	7.8	8.4	9.6	8.7	9.2	10.6	9.0	10.0
13	8.5	5.7	6.7	9.0	8.3	8.7	9.8	8.8	9.3	10.5	8.8	9.6
14	8.6	6.0	7.5	9.4	8.6	9.0	9.7	9.2	9.4	9.7	8.6	9.1
15	8.2	5.1	7.0	9.6	8.9	9.3	10.2	9.3	9.7	9.3	8.6	9.0
16	8.8	7.2	8.0	9.5	8.8	9.1	10.5	9.2	9.9	9.3	9.1	9.2
17	9.3	8.0	8.4	9.7	8.0	8.6	10.7	8.8	9.9	9.7	9.2	9.4
18	9.2	4.9	8.0	9.0	6.9	8.1	10.9	9.0	10.0	10.4	9.5	9.8
19	8.8	4.8	6.9	9.0	7.1	7.8	10.8	9.2	10.2	11.3	9.7	10.3
20	8.2	5.5	6.9	8.2	7.1	7.8	10.9	10.3	10.6	10.9	10.2	10.5
21	8.3	4.7	7.4	9.2	7.6	7.9	11.1	10.0	10.7	10.9	10.3	10.7
22	8.1	7.2	7.7	9.4	7.5	7.9	11.0	9.6	10.3	11.0	10.5	10.7
23	8.7	7.4	8.1	9.0	7.4	7.9	11.0	9.3	10.1	11.1	10.7	10.9
24	8.6	7.1	8.1	8.8	7.1	8.1	10.7	9.6	10.4	11.2	10.4	10.9
25	9.0	7.0	7.8	9.1	7.8	8.7	10.9	10.3	10.5	11.6	10.3	10.9
26	8.6	5.9	7.3	9.1	8.4	8.8	10.9	10.5	10.7	12.2	8.5	10.5
27	8.1	5.8	6.6	9.5	8.9	9.2	11.2	10.7	10.9	11.6	8.6	11.0
28	7.1	6.1	6.7	9.4	8.8	9.2	11.5	10.4	11.0	12.3	10.5	11.1
29	8.3	5.5	6.6	9.6	8.9	9.3	12.1	10.6	11.5	12.6	9.4	11.2
30	7.5	5.1	6.1	9.6	8.6	9.0	11.8	11.2	11.6	12.6	10.1	12.2
31	8.3	5.4	6.2	---	---	---	12.4	10.2	11.5	12.5	10.9	12.2
MONTH	9.3	4.2	7.2	9.7	4.3	8.2	12.4	7.8	10.0	12.6	8.5	10.4
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	12.5	12.1	12.3	---	---	---	10.1	7.8	9.0	8.2	7.7	8.0
2	12.8	11.8	12.2	---	---	---	9.5	8.0	8.9	9.0	7.3	8.1
3	12.4	11.6	12.1	---	---	---	9.4	8.9	9.2	8.7	7.7	8.2
4	12.4	11.6	12.1	---	---	---	9.9	8.5	9.1	8.4	8.0	8.2
5	12.2	9.8	11.6	---	---	---	9.6	7.3	8.5	8.2	7.8	8.1
6	12.3	9.2	11.1	---	---	---	9.2	6.0	7.8	8.4	8.0	8.2
7	11.6	8.3	10.8	---	---	---	9.1	5.6	7.8	8.9	8.0	8.4
8	11.8	8.5	10.7	---	---	---	8.3	7.1	7.8	9.8	7.7	8.9
9	11.7	7.8	9.5	---	---	---	8.5	7.6	8.4	10.3	6.6	8.7
10	11.8	8.8	10.8	11.0	9.4	10.4	9.3	7.9	8.5	9.8	8.2	8.9
11	11.4	9.2	10.4	11.1	9.0	10.2	9.4	7.2	8.2	9.2	7.5	8.5
12	10.9	7.9	9.7	10.7	10.0	10.5	9.4	6.4	8.2	9.2	4.5	7.8
13	---	---	---	10.6	10.0	10.3	8.9	8.4	8.8	8.0	5.2	7.6
14	---	---	---	10.6	10.2	10.4	9.6	8.7	9.1	8.2	5.0	7.3
15	---	---	---	11.3	10.3	10.6	9.7	9.3	9.5	8.5	3.4	6.8
16	---	---	---	10.8	9.7	10.5	10.3	9.6	9.9	8.9	2.9	7.0
17	---	---	---	10.5	10.3	10.4	10.9	9.5	10.1	9.0	2.6	6.9
18	---	---	---	10.7	10.3	10.5	11.2	8.5	10	8.6	7.0	7.8
19	---	---	---	11.0	10.5	10.8	10.9	8.1	9.2	8.0	6.6	7.5
20	---	---	---	11.2	10.5	10.8	10.8	7.2	8.4	8.1	7.3	7.6
21	---	---	---	11.1	9.7	10.5	10.3	7.3	8.2	8.3	7.0	7.6
22	---	---	---	10.9	9.8	10.5	9.6	7.2	8.3	8.2	7.0	7.8
23	---	---	---	10.6	10.1	10.3	8.8	6.9	8.1	8.4	5.9	7.4
24	---	---	---	10.3	8.8	10.0	8.9	8.1	8.6	8.6	4.5	7.6
25	---	---	---	10.2	9.7	10	9.1	8.3	8.8	8.2	7.7	8.0
26	---	---	---	10.3	9.7	10.0	8.8	7.7	8.5	8.4	7.1	7.7
27	---	---	---	10.2	9.5	9.9	8.9	7.8	8.5	8.0	5.7	6.8
28	---	---	---	9.9	8.8	9.7	8.8	8.2	8.6	8.9	4.9	7.7
29	---	---	---	9.9	9.5	9.6	9.0	6.6	8.5	9.0	6.6	8.0
30	---	---	---	9.9	8.7	9.3	8.7	5.1	8.0	8.8	5.9	8.1
31	---	---	---	10.0	8.7	9.5	---	---	---	8.0	2.8	5.6
MONTH	---	---	---	---	---	---	11.2	5.1	8.7	10.3	2.6	7.8



## PAMLICO RIVER BASIN

0208455155 PAMLICO RIVER AT LIGHT 3—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM—CONTINUED  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.6	2.5	5.7	8.9	1.7	5.4	7.4	5.1	5.9	7.1	4.9	5.7
2	7.6	6.8	7.2	8.7	2.2	7.1	9.1	5.7	6.8	7.4	4.2	6.0
3	7.9	4.5	6.4	8.1	3.1	6.7	8.6	5.3	7.0	7.3	2.8	6.0
4	7.3	4.0	5.2	8.2	4.7	7.1	9.5	3.2	7.0	7.0	2.2	5.8
5	7.7	3.4	4.8	7.9	5.8	7.0	9.0	4.5	6.8	6.8	5.8	6.4
6	6.1	3.1	4.3	7.6	4.5	6.0	7.8	2.6	5.7	7.0	6.2	6.5
7	6.8	1.6	3.7	7.4	2.6	5.0	7.2	2.1	5.5	7.2	6.1	6.6
8	5.3	1.7	3.0	7.8	4.7	6.2	6.9	4.3	5.4	7.8	6.0	6.8
9	5.5	1.5	3.2	6.8	1.4	5.4	6.1	3.7	4.8	8.0	6.5	7.1
10	6.8	0.3	3.0	6.2	1.2	4.5	7.2	2.5	4.8	7.3	6.7	7.0
11	6.6	1.2	3.9	8.0	0.8	4.5	8.6	0.1	4.6	---	---	---
12	6.4	1.8	5.0	7.8	0.8	5.9	7.9	0.3	5.1	---	---	---
13	7.0	1.0	5.0	7.7	1.2	5.2	8.1	0.3	4.9	---	---	---
14	7.2	1.8	5.7	6.3	3.3	4.5	7.1	2.3	4.9	---	---	---
15	7.2	4.2	6.1	8.7	5.0	6.3	7.9	4.5	5.7	---	---	---
16	7.7	4.3	6.1	7.8	0.2	5.0	7.4	0.2	4.4	---	---	---
17	7.2	2.2	6.1	8.3	1.0	6.7	6.8	1.2	5.7	---	---	---
18	7.9	0.7	4.8	7.9	0.8	6.2	7.3	5.0	6.3	---	---	---
19	7.6	4.2	6.6	8.2	4.4	6.7	8.2	4.8	6.1	---	---	---
20	7.6	6.6	7.2	7.2	4.4	6.3	8.0	5.7	6.7	8.0	1.3	4.0
21	7.3	5.8	6.8	7.1	0.1	5.7	8.9	4.7	6.6	9.0	1.1	5.5
22	8.1	4.0	6.6	7.5	4.2	5.9	8.4	3.1	5.8	8.0	1.1	5.8
23	7.7	2.2	5.7	7.3	1.8	5.1	7.3	4.3	6.1	7.2	1.6	5.5
24	8.1	2.3	6.3	7.7	0.1	5.2	7.5	1.2	5.4	7.9	1.6	5.8
25	7.8	4.2	6.7	6.9	4.2	5.8	7.3	0.6	5.0	7.8	3.3	6.4
26	7.6	6.4	6.8	6.7	0.8	5.6	7.7	6.0	6.5	7.2	6.1	6.5
27	7.7	4.7	6.4	7.4	0.8	4.2	7.1	5.0	6.1	7.6	6.0	6.8
28	7.7	3.6	6.1	8.0	1.6	5.8	6.8	5.0	5.7	8.3	6.3	6.9
29	7.5	3.2	5.3	6.3	2.8	5.2	6.9	5.0	5.9	8.0	5.7	6.4
30	6.6	3.9	5.7	6.4	1.3	5.5	7.3	4.2	5.8	---	---	---
31	---	---	---	6.4	1.3	5.4	7.6	5.3	6.4	---	---	---
MONTH	8.1	0.3	5.5	8.9	0.1	5.7	9.5	0.1	5.8	---	---	---





## 0208455155 PAMLICO RIVER AT LIGHT 3—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	95	50	79	80	57	64	89	83	86	96	79	86
2	89	76	81	89	52	68	94	86	90	93	79	86
3	96	62	78	93	51	74	94	89	91	97	77	84
4	98	58	80	82	46	64	94	85	90	92	78	82
5	103	57	88	90	79	82	94	83	87	95	79	82
6	102	81	91	94	80	86	94	79	83	92	78	83
7	92	71	83	92	80	87	94	78	83	92	76	82
8	89	55	78	90	84	87	91	80	86	98	81	87
9	93	51	71	91	84	87	93	74	85	95	76	89
10	104	68	88	90	83	86	91	79	88	95	84	91
11	104	49	90	90	83	87	93	86	89	95	80	90
12	104	75	91	87	77	83	90	82	87	95	77	89
13	96	65	77	89	82	85	91	82	87	95	76	86
14	97	68	84	89	83	86	89	84	86	90	79	85
15	92	58	78	91	85	88	89	84	86	84	79	81
16	96	78	88	89	83	86	91	81	86	83	79	81
17	102	86	91	90	75	81	91	77	85	83	79	81
18	100	54	86	84	65	77	93	79	86	85	79	82
19	97	53	75	84	68	74	92	80	88	90	79	83
20	90	60	76	78	68	74	91	85	88	86	81	83
21	91	52	82	88	72	75	89	83	86	87	82	85
22	88	78	83	90	71	75	89	80	84	86	82	84
23	93	79	86	86	71	75	89	78	84	86	82	84
24	89	75	85	85	68	77	90	82	87	83	78	81
25	93	74	81	91	76	85	90	85	86	85	78	81
26	88	62	76	87	81	84	88	85	86	91	64	79
27	84	61	68	89	84	86	89	84	86	88	65	83
28	74	64	70	90	83	87	89	82	86	90	77	82
29	87	58	69	91	84	87	93	83	89	92	69	82
30	78	53	64	90	81	85	92	87	90	94	75	90
31	88	57	65	---	---	---	98	80	91	94	81	91
MONTH	104	49	80	94	46	81	98	74	87	98	64	84
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	94	90	92	---	---	---	101	76	89	87	81	84
2	96	89	92	---	---	---	96	78	89	98	77	85
3	94	88	91	---	---	---	93	87	90	93	81	86
4	94	88	91	---	---	---	99	82	90	90	85	87
5	94	75	88	---	---	---	95	71	84	87	82	85
6	94	70	85	---	---	---	92	59	78	86	82	84
7	89	64	83	---	---	---	95	55	79	90	81	84
8	92	66	83	---	---	---	86	72	80	102	78	91
9	91	61	74	---	---	---	89	78	86	110	67	90
10	98	68	87	95	80	88	94	79	86	104	86	93
11	92	74	83	97	77	87	94	72	83	100	79	90
12	87	63	77	91	85	89	94	64	82	103	48	84
13	---	---	---	92	86	89	89	83	87	88	55	82
14	---	---	---	92	88	90	94	85	89	89	54	79
15	---	---	---	98	88	92	92	88	90	95	37	75
16	---	---	---	95	84	91	97	90	92	101	31	78
17	---	---	---	89	88	89	103	88	94	103	28	77
18	---	---	---	92	86	89	106	79	93	98	78	87
19	---	---	---	95	89	92	103	75	86	90	74	84
20	---	---	---	97	91	93	102	67	78	92	82	86
21	---	---	---	98	84	92	103	68	78	93	77	85
22	---	---	---	99	86	93	101	68	82	92	78	87
23	---	---	---	97	92	94	92	65	82	94	66	83
24	---	---	---	97	81	93	90	81	86	98	50	86
25	---	---	---	95	90	93	91	82	87	93	86	89
26	---	---	---	98	90	94	88	77	84	93	78	85
27	---	---	---	96	89	93	91	78	85	90	63	75
28	---	---	---	96	83	92	91	82	87	103	54	87
29	---	---	---	96	90	92	92	67	86	106	76	93
30	---	---	---	97	83	90	89	51	83	103	68	94
31	---	---	---	100	84	93	---	---	---	93	31	64
MONTH	---	---	---	---	---	---	106	51	86	110	28	84

## PAMLICO RIVER BASIN

0208455155 PAMLICO RIVER AT LIGHT 3—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM—CONTINUED  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	87	28	64	112	21	68	96	66	77	93	63	74
2	86	76	81	112	28	91	121	74	88	96	54	77
3	90	50	72	104	39	85	114	70	92	97	36	79
4	83	45	58	107	60	91	127	42	92	91	29	74
5	88	38	55	102	75	90	120	59	90	86	74	80
6	69	35	48	100	58	78	104	34	75	88	77	82
7	80	18	42	97	33	65	95	28	73	90	76	81
8	62	19	34	102	60	81	91	56	71	96	74	84
9	66	17	38	89	18	70	80	48	62	99	79	88
10	84	3	36	81	16	59	94	32	62	90	82	86
11	82	14	47	106	10	59	112	1	60	---	---	---
12	80	21	61	103	10	78	105	4	67	---	---	---
13	88	12	62	102	16	68	109	4	65	---	---	---
14	92	22	71	81	42	58	95	30	64	---	---	---
15	92	53	77	116	65	82	107	59	75	---	---	---
16	100	55	78	101	3	65	99	3	58	---	---	---
17	93	28	78	109	13	87	91	16	76	---	---	---
18	101	9	61	105	10	81	97	66	83	---	---	---
19	96	53	83	109	58	88	109	63	81	---	---	---
20	94	82	89	96	58	83	107	76	90	106	17	53
21	89	70	83	94	1	75	122	62	88	120	15	72
22	101	48	80	101	56	78	113	41	77	106	14	76
23	96	27	70	98	24	68	98	57	82	94	22	72
24	101	28	79	103	1	69	100	16	72	106	22	77
25	98	52	84	92	55	76	95	8	65	104	44	85
26	95	79	85	89	10	74	100	76	83	95	80	85
27	97	58	80	99	10	56	92	64	78	100	78	90
28	97	45	77	109	21	78	88	63	73	109	82	90
29	94	40	66	84	37	69	89	64	76	99	70	79
30	82	48	70	85	17	72	94	54	75	---	---	---
31	---	---	---	84	17	71	100	68	83	---	---	---
MONTH	101	3	67	116	1	75	127	1	76	---	---	---