

## 0208453300 PAMLICO RIVER AT LIGHT 5

LOCATION.--Lat 35°25'52", long 76°50'29", Beaufort County, Hydrologic Unit 03020104, on U.S. Coast Guard Channel Light 5.

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.--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 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.

## EXTREMES FOR PERIOD OF DAILY RECORD.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SALINITY (TOP), ppt	19.6, August 21, October 21, 2002	<0.1, on many days during the period
SALINITY (BOTTOM), ppt	20.8, October 23, 2002	<0.1, on many days during the period
pH (TOP), standard units	9.5, June 8, 2005	6.2, October 22, 23, 24, 1999
pH (BOTTOM), standard units	9.1, May 20, 22, 2004	5.9, October 23, 1999
WATER TEMPERATURE (TOP), °C	33.1, July 31, 1999	0.0, December 3, 1989, January 24, 2003
WATER TEMPERATURE (BOTTOM), °C	31.6, August 15, 2005	0.1, January 24, 2003
DISSOLVED OXYGEN (TOP), mg/L	18.9, January 13, 2005	<1.0, on many days during the period
DISSOLVED OXYGEN (BOTTOM), mg/L	18.6, January 5, 1992	<1.0, on many days during the period

## EXTREMES FOR CURRENT YEAR.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SALINITY (TOP), ppt	13.2, January 7	0.1, April 3, 18
SALINITY (BOTTOM), ppt	13.9, January 6, 7	0.1, April 3
pH (TOP), standard units	9.5, June 8	6.6, May 16
pH (BOTTOM), standard units	9.0, March 25	6.5, May 29, 30, 31, June 1, 6, 7
WATER TEMPERATURE (TOP), °C	33.0, July 28	2.2, January 29
WATER TEMPERATURE (BOTTOM), °C	31.6, August 15	2.1, January 29
DISSOLVED OXYGEN (TOP), mg/L	18.9, January 1, 3	0.0, August 8
DISSOLVED OXYGEN (BOTTOM), mg/L	13.7, November 30	0.0, on many days during the year
DISSOLVED OXYGEN, PERCENT SATURATION (TOP),%	222, August 14	0, August 8
DISSOLVED OXYGEN, PERCENT SATURATION (BOTTOM),%	137, August 3	0, on many days during the year

## PAMLICO RIVER BASIN

0208453300 PAMLICO RIVER AT LIGHT 5—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	2.7	1.5	2.1	13.1	6.2	8.0	9.5	5.6	7.6	7.5	4.6	6.6
2	2.7	1.3	2.0	8.8	7.4	8.1	8.8	5.8	6.4	8.4	5.9	7.4
3	1.8	1.0	1.4	10.0	7.6	8.2	7.3	5.4	6.4	8.3	4.7	7.7
4	1.9	1.1	1.5	---	---	---	7.4	4.1	5.8	7.8	2.8	5.6
5	1.7	1.0	1.2	9.3	8.4	8.7	7.9	2.9	6.0	9.7	5.3	7.8
6	2.6	1.2	1.9	9.2	8.1	8.6	8.9	7.2	7.8	9.4	7.5	8.6
7	2.5	1.4	1.6	---	---	---	9.0	5.8	7.2	13.2	7.3	9.0
8	2.2	1.2	1.6	8.7	8.0	8.4	---	---	---	11.7	8.2	8.9
9	2.1	1.1	1.4	8.8	8.1	8.4	8.5	5.0	6.7	9.2	8.6	9.0
10	1.4	1.1	1.1	---	---	---	---	---	---	9.2	8.5	9.0
11	1.6	1.1	1.3	---	---	---	7.4	5.7	6.7	9.1	8.6	8.9
12	2.5	1.1	1.6	---	---	---	8.0	6.4	7.3	9.4	7.4	8.6
13	8.7	1.7	3.8	8.3	7.3	7.7	7.8	6.0	7.2	11.1	7.6	9.5
14	5.6	3.4	4.0	---	---	---	7.3	5.9	6.3	10.6	8.7	9.7
15	4.8	3.8	4.1	7.8	6.2	6.8	6.7	5.8	6.1	10.3	8.1	9.2
16	6.0	4.3	5.5	7.1	5.6	6.1	7.5	5.7	6.2	10.0	7.8	8.9
17	6.3	4.8	5.7	---	---	---	7.1	4.8	5.4	8.5	5.7	6.9
18	7.1	4.6	5.3	---	---	---	8.7	4.1	5.5	7.8	5.9	7.1
19	6.4	4.8	5.5	---	---	---	8.6	3.8	6.3	9.7	5.4	7.0
20	5.6	4.6	4.9	---	---	---	8.1	4.6	6.1	7.1	4.5	5.7
21	5.6	4.4	4.8	---	---	---	8.0	7.3	7.7	8.8	3.9	5.7
22	6.5	4.3	4.8	---	---	---	8.0	7.5	7.8	7.6	4.7	6.0
23	6.3	3.8	4.9	---	---	---	8.0	7.7	7.9	6.2	3.0	4.6
24	7.2	3.8	5.7	9.4	7.4	8.4	8.1	7.7	7.9	7.3	5.2	6.1
25	7.7	4.1	5.9	9.3	7.2	8.0	8.6	7.4	7.9	10	6.2	7.0
26	8.4	4.9	6.9	8.7	6.6	7.5	8.4	4.7	6.7	7.9	5.6	6.6
27	8.2	5.9	7.3	9.4	6.8	7.9	8.5	4.5	5.6	8.7	5.5	6.8
28	9.5	5.2	8.0	9.4	6.9	7.5	8.8	5.7	7.1	8.8	6.2	7.3
29	8.8	6.4	7.6	9.2	6.9	8.0	8.3	5.4	6.5	7.7	6.5	7.1
30	7.3	5.9	6.5	9.5	5.9	8.1	6.8	5.6	6.2	9.0	4.6	5.7
31	7.8	6.0	7.0	---	---	---	7.8	6.0	6.9	8.0	4.4	5.6
MONTH	9.5	1.0	4.1	---	---	---	---	---	---	13.2	2.8	7.4
	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.1	4.7	6.0	8.5	7.0	7.5	2.1	0.6	1.0	5.7	4.3	5.2
2	8.8	5.4	7.5	7.9	5.2	6.8	1.6	0.5	1.1	5.3	4.7	4.9
3	8.5	4.8	6.2	6.0	4.8	5.4	1.6	0.1	0.4	5.7	4.5	4.9
4	5.8	3.3	4.3	7.3	4.3	5.2	1.2	0.6	0.9	5.9	4.6	5.0
5	9.0	4.9	6.9	6.0	4.5	5.3	2.3	0.3	0.7	5.8	5.0	5.3
6	9.5	4.2	6.5	5.5	3.6	4.2	0.8	0.3	0.5	5.7	3.2	5.1
7	9.5	6.7	8.6	5.1	4.1	4.5	1.8	0.4	1.1	4.4	3.2	3.8
8	9.7	7.1	8.5	8.4	4.8	6.2	1.7	0.3	1.0	4.3	3.1	3.6
9	9.4	4.8	8.2	7.4	6.5	6.9	2.7	0.5	1.4	6.4	2.5	3.3
10	8.6	4.7	6.4	7.5	6.2	6.7	2.5	0.6	0.9	4.6	3.2	3.7
11	9.7	6.4	8.1	7.5	5.6	6.4	2.8	0.5	0.8	4.3	2.9	3.4
12	10.7	8.6	9.7	8.0	5.6	6.9	3.2	1.1	1.8	5.0	2.1	2.7
13	12.2	8.6	9.5	7.1	6.1	6.7	2.2	0.8	1.6	4.2	2.8	3.3
14	10.7	8.9	9.7	6.9	6.4	6.7	2.0	1.0	1.6	3.3	2.1	2.8
15	10.1	8.0	8.9	6.6	4.7	5.9	2.4	0.8	1.7	2.8	1.9	2.3
16	9.8	7.6	8.5	7.3	4.0	5.2	1.8	0.6	1.0	5.6	1.7	2.3
17	8.5	7.1	7.7	7.3	5.8	6.4	0.7	0.3	0.4	3.6	2.2	2.9
18	8.6	6.8	7.7	6.3	4.5	5.7	1.2	0.1	0.3	3.8	2.2	2.8
19	10.9	6.8	8.0	4.7	3.5	3.9	0.9	0.2	0.3	2.8	2.0	2.3
20	10.6	8.3	9.0	3.5	1.6	2.3	2.2	0.2	0.5	2.5	1.8	2.2
21	9.2	7.8	8.4	7.6	1.0	3.1	4.7	0.8	2.1	3.2	2.2	2.6
22	9.1	7.7	8.1	4.4	2.6	3.3	5.9	2.7	3.1	3.2	1.7	2.0
23	9.3	7.7	8.3	4.3	1.3	2.6	3.9	2.6	3.2	2.4	1.8	2.1
24	9.1	7.8	8.6	2.6	1.2	1.6	4.9	2.3	3.7	2.3	1.6	1.9
25	8.3	7.6	8.0	3.0	1.3	2.1	5.3	4.3	5.0	3.0	1.5	2.1
26	8.6	6.6	7.7	1.6	1.3	1.4	5.4	4.7	5.0	2.9	1.6	2.3
27	9.5	5.4	7.4	1.3	1.2	1.2	5.2	3.5	4.3	3.1	1.9	2.3
28	9.3	7.0	8.3	1.7	0.7	1.2	4.7	3.7	4.0	2.8	1.9	2.3
29	---	---	---	2.1	0.9	1.5	5.7	3.7	4.8	2.7	1.9	2.2
30	---	---	---	3.3	0.9	1.4	5.8	4.6	5.2	4.2	2.1	2.8
31	---	---	---	1.9	0.7	1.4	---	---	---	5.5	2.6	3.6
MONTH	12.2	3.3	7.9	8.5	0.7	4.4	5.9	0.1	2.0	6.4	1.5	3.2

## 0208453300 PAMLICO RIVER AT LIGHT 5—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	4.9	3.7	4.3	4.4	3.5	3.8	6.5	6.0	6.3	5.9	5.0	5.5
2	5.6	4.1	4.9	5.0	3.7	3.9	6.4	6.0	6.3	5.8	4.8	5.3
3	4.2	3.4	4.0	4.4	3.8	4.1	6.5	5.4	6.0	6.4	4.8	5.3
4	4.5	3.3	3.9	4.6	3.7	4.1	6.2	4.9	5.4	6.6	5.7	6.2
5	6.0	3.4	4.1	4.0	3.6	3.9	6.2	4.8	5.2	6.8	6.2	6.6
6	5.0	3.3	3.9	4.3	3.6	3.8	5.8	4.5	5.0	6.8	6.3	6.5
7	4.8	3.2	3.7	4.9	3.6	4.0	6.7	4.5	5.4	6.7	6.4	6.5
8	5.7	3.1	3.6	4.7	3.6	4.0	6.6	4.9	5.5	6.5	6.4	6.4
9	5.1	3.6	4.2	4.6	3.5	4.0	5.8	5.1	5.4	6.7	6.2	6.4
10	4.4	3.4	3.9	4.4	3.6	3.9	5.9	4.9	5.4	6.8	6.3	6.5
11	4.1	3.5	3.8	4.0	3.6	3.8	5.8	4.4	5.1	---	---	---
12	4.5	3.4	3.8	4.0	3.5	3.6	6.7	4.1	4.8	---	---	---
13	4.0	2.9	3.4	4.7	3.6	4.1	5.9	4.7	5.2	---	---	---
14	3.0	2.3	2.7	4.9	4.4	4.6	6.0	4.8	5.2	---	---	---
15	2.7	2.0	2.4	4.7	4.4	4.5	5.6	4.5	4.8	---	---	---
16	3.8	1.8	2.2	4.6	4.3	4.5	6.3	4.5	5.4	---	---	---
17	4.7	2.5	3.5	4.5	3.9	4.2	5.8	5.0	5.4	---	---	---
18	6.2	2.9	4.0	4.6	4.1	4.4	6.2	5.4	5.8	---	---	---
19	5.4	4.3	4.7	4.8	4.1	4.5	6.0	5.1	5.5	---	---	---
20	5.0	4.5	4.7	4.9	4.5	4.7	5.6	4.8	5.2	6.9	5.4	6.3
21	4.6	4.3	4.5	5.3	4.4	4.7	5.5	3.9	4.7	7.6	5.4	6.1
22	4.5	4.3	4.4	5.3	4.4	4.8	5.3	3.9	4.4	7.3	6.3	6.7
23	5.6	4.3	4.7	6.0	4.8	5.2	5.7	3.8	4.6	6.7	6.1	6.4
24	5.1	4.7	4.9	6.1	5.2	5.5	7.1	4.6	5.4	7.8	5.7	6.2
25	5.4	4.8	5.1	5.9	5.7	5.8	6.2	5.7	6.0	7.2	6.7	6.9
26	5.6	4.5	5.1	5.9	5.6	5.7	6.1	5.4	5.9	7.1	6.3	6.7
27	5.1	4.6	4.8	6.3	5.3	5.7	6.4	5.5	6.0	7.1	6.5	6.8
28	5.1	4.4	4.7	6.5	5.4	5.8	6.3	5.5	5.9	7.5	6.6	7.1
29	4.9	4.1	4.6	7.0	6.4	6.6	6.5	5.6	6.1	7.3	6.4	6.8
30	4.7	3.8	4.2	6.6	6.0	6.3	6.3	5.4	5.6	8.0	6.7	7.4
31	---	---	---	6.5	6.0	6.3	5.9	5.3	5.6	---	---	---
MONTH	6.2	1.8	4.1	7.0	3.5	4.7	7.1	3.8	5.4	---	---	---

## PAMLICO RIVER BASIN

0208453300 PAMLICO RIVER AT LIGHT 5—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
1	2.8	1.6	2.3	13.1	9.0	12.3	10.0	5.9	8.5	10.9	9.5	10.4
2	2.8	1.6	2.2	12.0	8.6	10.8	9.5	6.4	8.5	11.1	10.2	10.8
3	4.8	1.3	2.3	13.0	9.0	11.4	9.9	6.0	7.9	12.1	10.4	11.4
4	4.3	1.3	2.6	---	---	---	10.2	7.2	9.9	12.9	10.8	12.1
5	5.6	1.1	3.4	10.3	8.1	9.2	10	8.6	9.6	13.3	10	12.6
6	6.8	1.7	3.3	10.0	8.5	9.4	9.9	9.3	9.7	13.9	9.8	13.1
7	6.6	2.2	4.8	---	---	---	10	8.0	9.6	13.9	13.1	13.7
8	6.8	3.1	5.2	9.7	8.0	8.4	---	---	---	13.5	10.6	13.1
9	8.3	1.9	4.8	9.4	8.1	8.5	10.9	9.7	10.5	13.6	12.8	13.4
10	8.3	4.3	7.5	---	---	---	---	---	---	13.4	11.7	13.0
11	8.3	3.0	7.7	---	---	---	10.7	7.3	9.3	13.5	10.4	12.9
12	8.4	6.8	7.8	---	---	---	10.7	7.3	8.3	13.3	11.3	13.0
13	8.8	4.5	7.6	9.0	7.4	7.9	10.4	6.0	7.7	13.2	10.1	12.3
14	9.9	3.5	6.5	---	---	---	8.5	6.0	6.9	12.6	7.1	10.3
15	10.7	4.5	9.5	9.5	7.7	8.8	8.2	5.8	7.0	10.2	7.0	9.1
16	13.0	4.4	9.6	10.0	9.2	9.7	8.8	7.1	8.3	9.9	8.0	9.0
17	12.8	6.1	9.8	---	---	---	9.3	7.2	8.5	10.1	6.5	8.8
18	12.1	6.9	10.8	---	---	---	10.1	8.5	9.2	10.3	7.3	9.1
19	11.1	5.9	8.9	---	---	---	10.1	6.2	9.4	10.6	7.6	10.2
20	11.0	6.0	9.8	---	---	---	8.3	4.9	6.7	11.5	6.6	10
21	11.2	10.4	11.1	---	---	---	9.4	7.7	8.4	11.6	9.5	10.8
22	11.2	9.3	10.8	---	---	---	10.6	7.8	8.7	10.6	4.9	9.5
23	10.9	7.1	9.7	---	---	---	9.8	7.7	8.5	9.0	3.0	5.3
24	10.4	7.9	9.5	10.9	9.0	10.5	8.0	7.6	7.8	8.8	6.5	7.8
25	10.2	8.3	9.6	10.6	7.3	8.7	8.6	7.4	8.0	10.4	6.7	8.4
26	9.8	7.1	8.9	10.0	7.3	9.3	8.5	5.4	7.0	10.4	7.0	9.2
27	9.5	8.5	9.2	10.3	9.5	9.9	8.8	6.1	8.0	10.6	7.2	9.3
28	9.6	8.5	9.3	10.1	7.4	8.6	8.9	8.3	8.7	10.5	6.4	9.1
29	9.1	7.7	8.7	9.7	7.3	9.1	9.3	7.0	8.5	9.8	7.1	8.7
30	11.3	8.0	10	10.6	9.3	9.9	10.4	9.0	10.0	9.7	4.8	8.4
31	12.7	8.6	11.2	---	---	---	10.6	9.7	10.2	9.1	6.8	8.2
MONTH	13.0	1.1	7.6	---	---	---	---	---	---	13.9	3.0	10.4
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	10.1	7.9	8.8	8.9	7.0	7.8	3.2	0.8	2.1	5.7	4.5	5.3
2	10.8	7.3	9.0	8.6	6.0	7.2	1.8	0.5	1.2	5.6	4.9	5.3
3	10.7	8.5	9.7	8.3	5.2	6.3	1.8	0.1	0.5	6.0	4.5	5.1
4	10.6	8.6	9.5	9.6	8.1	9.1	3.6	0.7	1.3	6.1	4.9	5.3
5	10	8.0	9.7	10.2	4.8	8.3	5.9	0.8	3.8	5.8	5.0	5.3
6	9.8	9.6	9.8	10.8	6.5	9.9	4.8	0.9	2.7	5.7	3.2	5.1
7	10.9	9.7	10.1	10.9	6.5	9.7	6.1	1.6	4.1	5.9	3.2	4.7
8	11.0	9.0	10.1	10.6	5.3	8.1	5.1	0.5	2.5	5.9	3.5	4.6
9	11.0	9.5	10.6	8.0	6.7	7.3	2.8	0.5	1.6	6.8	3.7	5.6
10	11.3	6.0	10	9.5	6.5	7.4	5.4	0.8	2.3	5.4	3.6	4.8
11	11.8	6.8	10.2	9.7	5.6	7.5	5.3	3.3	4.3	4.4	3.3	3.9
12	12.2	9.7	10.9	8.3	5.6	7.0	4.4	1.3	2.9	5.2	2.4	3.8
13	13.0	10.6	12.0	7.8	6.8	7.1	2.4	0.9	1.7	5.0	2.9	3.7
14	12.1	9.7	10.7	6.9	6.4	6.8	2.1	1.1	1.7	5.0	2.7	3.6
15	12.0	10.1	11.2	7.8	6.4	6.7	2.4	0.9	1.8	5.4	2.0	3.9
16	12.1	8.2	10.2	8.0	5.4	7.1	1.8	0.6	1.1	5.6	3.1	5.0
17	12.4	8.1	11.7	7.3	5.8	6.5	2.8	0.4	1.4	5.1	2.3	3.6
18	12.1	6.9	9.0	6.8	5.3	5.9	4.1	0.8	2.8	4.1	2.7	3.4
19	11.3	7.7	10.2	7.1	4.7	6.5	4.5	2.3	4.1	3.8	2.2	2.9
20	11.0	9.1	9.8	7.6	6.9	7.3	8.0	3.7	5.9	3.8	2.3	2.9
21	10	8.1	9.2	7.7	5.7	7.5	12.0	8.0	10.2	3.5	2.2	2.7
22	10.9	8.1	9.3	7.0	3.7	6.0	10.7	7.4	8.8	4.1	1.7	2.6
23	10.3	7.8	9.2	6.2	1.4	3.7	9.3	2.6	5.7	4.1	1.9	3.0
24	9.3	7.8	8.7	6.8	1.6	5.6	9.5	2.3	5.1	4.8	1.7	3.3
25	9.4	7.8	8.6	5.4	1.4	4.0	5.7	4.6	5.2	4.1	2.1	2.9
26	10	8.8	9.6	5.6	1.5	3.7	6.4	5.1	5.6	4.1	1.8	2.9
27	10.1	8.6	9.8	5.7	3.1	4.5	7.6	4.0	5.3	4.9	2.6	3.8
28	9.5	7.1	8.5	5.6	1.0	3.0	6.4	3.8	5.2	6.8	2.8	4.9
29	---	---	---	2.6	1.2	1.8	6.7	4.7	6.1	7.8	5.1	7.3
30	---	---	---	4.6	1.8	3.0	6.4	4.8	5.6	9.7	7.6	8.6
31	---	---	---	3.0	0.8	1.7	---	---	---	9.7	6.3	8.3
MONTH	13.0	6.0	9.9	10.9	0.8	6.3	12.0	0.1	3.8	9.7	1.7	4.5

## 0208453300 PAMLICO RIVER AT LIGHT 5—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	7.3	4.1	5.5	6.0	4.2	5.2	8.3	6.0	6.8	6.4	5.5	5.9
2	6.6	4.3	5.2	6.4	3.8	5.6	7.6	6.2	6.5	7.3	6.4	7.0
3	5.3	3.6	4.3	6.0	3.9	5.0	8.0	5.9	6.7	7.3	4.9	6.7
4	6.2	4.9	5.8	5.0	3.7	4.3	7.9	6.0	7.4	7.0	6.0	6.3
5	6.4	4.3	5.6	4.4	3.7	4.1	7.4	6.0	6.9	6.8	6.2	6.6
6	5.9	4.6	5.4	5.1	3.7	4.1	7.2	6.0	6.8	6.8	6.3	6.6
7	6.0	4.2	5.3	5.6	4.0	5.0	7.3	6.0	7.0	6.7	6.4	6.5
8	6.5	4.1	5.8	5.4	3.6	4.5	6.8	5.3	6.3	6.5	6.4	6.5
9	5.8	4.4	5.2	5.4	4.1	4.6	6.4	5.3	5.9	6.7	6.2	6.4
10	4.8	3.9	4.3	5.6	3.8	5.0	6.9	5.3	6.0	6.8	6.3	6.6
11	4.5	3.7	4.1	6.0	4.3	5.3	7.4	5.1	6.5	---	---	---
12	4.6	3.8	4.3	6.5	3.6	5.2	7.2	5.6	6.7	---	---	---
13	4.6	3.6	4.0	6.3	3.9	5.0	6.7	5.6	6.5	---	---	---
14	6.4	3.0	4.5	5.4	4.7	5.1	6.5	5.4	6.1	---	---	---
15	6.5	3.5	5.9	5.4	4.6	5.1	6.7	4.9	5.8	---	---	---
16	6.5	6.0	6.4	6.1	4.5	5.1	6.9	5.0	6.2	---	---	---
17	7.1	5.6	6.6	7.8	4.3	6.2	5.9	5.1	5.5	---	---	---
18	7.3	5.3	6.7	8.6	4.5	7.3	6.4	5.6	6.0	---	---	---
19	6.8	4.4	4.9	9.8	6.2	8.5	6.0	5.3	5.7	---	---	---
20	5.0	4.6	4.7	9.8	7.1	9.4	6.2	4.9	5.6	7.8	6.3	7.2
21	5.7	4.5	4.7	10.1	9.6	10	6.8	5.5	6.1	8.8	5.5	7.5
22	5.9	4.4	4.9	10	4.8	9.6	7.3	4.9	6.5	8.2	6.6	7.3
23	6.0	4.5	5.3	9.9	5.2	9.4	7.4	5.9	7.0	8.8	6.2	7.1
24	5.3	4.8	5.0	9.7	8.8	9.5	7.8	6.0	7.2	9.5	6.0	8.1
25	5.4	4.8	5.1	9.4	6.2	8.9	6.3	5.9	6.1	8.3	7.0	7.5
26	5.7	4.7	5.2	9.4	6.7	9.0	6.2	5.6	6.0	7.8	6.8	7.2
27	5.5	5.0	5.2	9.3	6.5	8.8	6.5	5.6	6.1	8.8	6.5	7.3
28	5.4	4.6	5.1	9.2	7.5	8.9	6.3	5.5	5.9	8.8	6.8	7.7
29	5.4	4.4	5.1	9.0	6.4	7.5	6.7	5.7	6.2	7.3	6.6	6.9
30	4.9	4.0	4.6	8.5	6.1	6.7	6.6	5.5	6.0	8.1	6.8	7.7
31	---	---	---	8.2	6.0	6.6	6.5	5.6	6.0	---	---	---
MONTH	7.3	3.0	5.2	10.1	3.6	6.6	8.3	4.9	6.3	---	---	---

## PAMLICO RIVER BASIN

0208453300 PAMLICO RIVER AT LIGHT 5—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	8.0	7.3	7.6	8.5	7.6	8.1	8.7	8.2	8.4	8.7	8.0	8.3
2	8.4	7.4	7.8	8.4	7.8	8.0	8.6	7.5	8.0	8.8	8.3	8.5
3	8.3	7.2	7.6	8.2	7.3	7.8	8.1	7.8	7.9	8.7	8.3	8.4
4	8.8	7.4	8.0	---	---	---	8.6	7.7	8.0	8.6	8.2	8.5
5	8.4	7.6	8.0	7.8	7.3	7.6	8.7	7.8	8.1	8.3	7.9	8.2
6	8.5	7.5	7.8	7.9	7.5	7.8	8.3	7.3	7.8	8.3	8.0	8.1
7	8.5	7.6	8.0	---	---	---	8.4	7.3	7.9	8.3	7.8	8.1
8	8.6	7.6	8.1	7.9	7.8	7.9	---	---	---	8.4	7.9	8.2
9	8.6	7.9	8.2	7.9	7.8	7.9	8.2	7.4	7.9	8.4	8.2	8.3
10	8.7	8.0	8.3	---	---	---	---	---	---	8.6	8.3	8.5
11	8.6	8.0	8.3	---	---	---	8.3	8.0	8.2	8.6	8.5	8.6
12	8.6	7.4	8.2	---	---	---	8.3	7.9	8.1	8.8	8.5	8.6
13	8.2	6.8	7.5	8.0	7.8	7.9	8.3	8.0	8.1	8.8	7.8	8.4
14	7.7	7.0	7.4	---	---	---	8.2	7.8	8.1	8.5	7.6	8.2
15	8.0	7.3	7.7	8.3	7.9	8.1	8.2	7.8	8.0	8.4	8.0	8.2
16	8.5	7.3	7.7	8.4	8.2	8.3	8.3	8.0	8.1	8.4	8.0	8.2
17	8.6	7.6	8.2	---	---	---	8.5	8.2	8.2	8.2	7.8	8.0
18	8.5	7.7	8.3	---	---	---	8.4	7.4	8.2	8.3	7.9	8.1
19	8.7	7.9	8.3	---	---	---	8.7	7.5	8.2	8.4	8.0	8.2
20	8.6	8.4	8.5	---	---	---	7.9	7.4	7.6	8.2	7.9	8.0
21	8.6	8.3	8.5	---	---	---	8.2	7.7	7.8	8.2	7.7	8.0
22	8.5	8.2	8.4	---	---	---	8.0	7.8	7.9	8.2	7.8	8.0
23	8.6	8.2	8.3	---	---	---	8.1	7.9	8.0	7.8	7.1	7.2
24	8.5	7.7	8.2	8.4	7.7	8.1	8.0	7.8	7.9	7.5	7.2	7.3
25	8.8	7.4	8.1	8.5	7.7	8.1	8.0	7.8	7.9	7.8	7.4	7.5
26	8.3	7.4	7.8	8.4	7.9	8.1	7.9	7.6	7.9	7.8	7.6	7.7
27	8.6	7.3	7.8	8.4	7.9	8.1	7.8	7.6	7.7	7.9	7.6	7.7
28	8.7	7.1	7.5	8.4	8.0	8.3	8.3	7.7	7.9	7.9	7.7	7.8
29	8.6	7.4	8.0	8.5	7.9	8.2	8.1	7.9	8.0	7.8	7.7	7.8
30	8.7	7.8	8.4	8.6	8.1	8.4	8.1	7.9	8.0	7.8	7.4	7.6
31	8.7	7.8	8.2	---	---	---	8.4	7.9	8.1	7.7	7.4	7.5
MONTH	8.8	6.8	8.0	---	---	---	---	---	---	8.8	7.1	8.1
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.6	7.5	7.6	8.2	8.0	8.1	8.6	7.8	8.1	7.9	7.4	7.6
2	7.8	7.6	7.7	8.1	7.9	8.0	7.9	7.4	7.6	8.0	7.2	7.7
3	7.8	7.6	7.6	8.2	7.9	8.0	7.6	7.3	7.4	8.2	7.3	7.6
4	7.6	7.4	7.5	8.6	8.0	8.3	7.6	7.3	7.5	7.8	7.3	7.6
5	7.8	7.5	7.6	8.6	8.3	8.5	7.7	7.3	7.4	7.8	7.5	7.6
6	7.8	7.6	7.7	8.7	8.4	8.5	7.5	7.1	7.3	7.6	7.4	7.5
7	7.9	7.6	7.8	8.6	8.2	8.4	7.6	7.3	7.4	8.0	7.4	7.6
8	7.9	7.5	7.8	8.5	7.5	8.0	7.6	7.1	7.3	8.2	7.7	7.9
9	8.1	7.6	7.8	8.2	7.5	7.9	7.5	7.2	7.3	8.6	7.1	8.1
10	8.0	7.4	7.7	8.5	8.0	8.2	8.3	7.3	7.7	8.3	7.3	7.8
11	7.7	7.4	7.6	8.6	8.1	8.4	8.7	7.5	8.0	8.5	7.3	7.8
12	7.9	7.6	7.8	8.2	7.8	8.0	8.4	7.6	8.1	8.9	6.8	8.3
13	8.0	7.8	7.9	8.3	7.9	8.1	8.0	7.5	7.7	8.1	7.0	7.7
14	8.1	7.8	7.9	8.3	8.0	8.1	7.7	7.4	7.5	8.7	7.4	7.9
15	8.5	8.0	8.1	8.7	8.0	8.4	7.8	7.5	7.7	8.8	7.7	8.2
16	8.5	8.0	8.3	8.7	7.9	8.5	8.2	7.5	7.8	8.8	6.6	8.1
17	8.5	8.2	8.3	8.1	7.7	7.9	8.6	7.7	8.1	8.7	7.2	8.2
18	8.4	8.2	8.3	8.6	7.8	8.1	8.7	7.6	8.3	8.8	7.7	8.3
19	8.4	8.0	8.2	8.9	8.6	8.7	8.6	7.9	8.3	8.4	7.8	8.3
20	8.3	7.9	8.2	9.3	8.4	9.0	9.0	7.8	8.5	8.3	7.6	7.9
21	8.3	8.2	8.2	9.2	7.5	8.6	8.5	7.4	7.7	8.6	7.5	8.0
22	8.3	8.2	8.2	9.1	8.4	8.8	8.5	7.4	8.1	8.6	7.9	8.3
23	8.3	8.0	8.2	8.9	7.8	8.6	8.4	7.6	8.1	8.8	7.8	8.4
24	8.2	8.1	8.2	8.9	7.7	8.3	8.0	7.5	7.7	8.9	8.3	8.6
25	8.2	8.0	8.1	9.1	8.4	8.8	8.1	7.6	7.8	8.5	7.6	8.1
26	8.4	7.9	8.2	9.0	8.5	8.8	8.1	7.7	7.9	8.3	7.4	7.8
27	8.5	8.2	8.4	9.1	8.7	8.9	8.6	7.7	8.2	8.6	7.5	8.1
28	8.3	8.2	8.2	9.0	7.6	8.6	8.4	7.5	8.0	8.5	7.7	8.2
29	---	---	---	8.8	7.6	8.3	8.3	7.5	8.0	8.6	7.4	8.2
30	---	---	---	8.8	7.4	8.2	8.2	7.4	7.7	8.4	7.3	7.9
31	---	---	---	8.8	7.8	8.3	---	---	---	8.3	7.2	7.8
MONTH	8.5	7.4	8.0	9.3	7.4	8.4	9.0	7.1	7.8	8.9	6.6	8.0

## 0208453300 PAMLICO RIVER AT LIGHT 5—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	7.9	7.2	7.7	8.9	7.8	8.3	8.6	7.7	8.2	9.1	8.3	8.7			
2	7.4	7.1	7.3	8.8	7.2	8.3	8.8	8.0	8.5	9.4	8.6	9.0			
3	8.5	7.2	7.6	8.6	7.6	8.1	9.0	8.5	8.7	9.1	8.0	8.9			
4	8.1	7.1	7.6	8.9	7.4	8.3	9.0	7.6	8.8	8.9	8.5	8.7			
5	8.7	6.8	7.9	8.5	7.8	8.1	9.3	7.7	9.0	8.7	8.2	8.4			
6	8.6	7.0	8.0	8.7	7.5	8.2	9.2	8.2	9.0	8.8	8.3	8.5			
7	9.4	7.2	8.4	8.5	7.3	8.1	9.2	7.5	8.6	8.7	8.2	8.4			
8	9.5	7.2	8.9	8.2	7.0	7.9	8.8	7.3	8.2	8.5	8.2	8.3			
9	8.9	7.9	8.4	8.5	7.3	7.9	8.5	7.4	8.1	8.7	7.9	8.4			
10	8.9	7.4	8.0	8.7	7.0	8.1	9.1	7.4	8.3	8.5	8.1	8.3			
11	8.4	7.5	7.8	8.9	7.7	8.5	9.3	7.3	8.9	---	---	---			
12	8.2	7.4	7.8	8.8	8.2	8.5	9.2	7.5	8.8	---	---	---			
13	8.6	7.5	7.9	8.5	7.3	7.8	9.3	7.9	8.7	---	---	---			
14	8.8	7.8	8.2	8.2	7.2	7.5	9.3	8.4	8.7	---	---	---			
15	8.8	7.7	8.2	8.3	7.6	7.9	9.2	8.7	8.9	---	---	---			
16	8.4	7.4	8.1	8.8	7.9	8.3	9.0	8.1	8.7	---	---	---			
17	7.7	6.8	7.3	8.8	8.2	8.5	8.8	8.3	8.6	---	---	---			
18	8.2	6.7	7.7	8.5	8.1	8.3	8.8	8.3	8.5	---	---	---			
19	7.6	6.8	7.3	8.6	8.0	8.3	9.3	8.3	8.6	---	---	---			
20	7.5	7.2	7.3	8.6	7.8	8.3	9.2	8.2	8.8	8.9	7.4	8.3			
21	8.2	7.2	7.6	8.8	8.0	8.4	9.4	8.3	9.0	8.6	7.1	8.2			
22	8.4	7.6	8.0	8.7	7.6	8.2	9.2	8.2	8.9	8.4	7.3	8.1			
23	8.4	7.1	8.0	8.6	7.4	8.1	9.1	7.9	8.7	8.7	7.7	8.2			
24	8.6	7.4	7.9	8.7	7.9	8.3	8.8	7.4	8.6	8.5	7.3	8.3			
25	8.2	7.5	7.9	8.8	7.7	8.3	8.8	8.1	8.4	8.4	7.9	8.1			
26	8.1	7.6	7.9	9.0	8.1	8.5	9.1	8.3	8.6	8.3	7.3	8.0			
27	8.6	7.6	8.0	8.7	7.5	8.4	8.8	8.5	8.7	8.5	7.7	8.2			
28	8.5	7.4	8.0	8.7	8.2	8.6	8.7	8.4	8.6	8.4	7.9	8.1			
29	8.0	7.2	7.6	8.4	7.7	8.1	8.6	8.5	8.6	8.3	7.7	8.0			
30	8.8	7.2	8.0	8.4	7.9	8.1	8.7	8.2	8.5	8.0	7.5	7.7			
31	---	---	---	8.6	7.7	8.1	8.7	8.5	8.6	---	---	---			
MONTH	9.5	6.7	7.9	9.0	7.0	8.2	9.4	7.3	8.6	---	---	---			

## 0208453300 PAMLICO RIVER AT LIGHT 5—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	7.8	7.0	7.4	7.7	7.2	7.3	8.4	7.8	8.1	7.7	7.4	7.6
2	8.3	7.3	7.7	7.7	7.1	7.2	8.2	7.6	7.8	7.6	7.4	7.6
3	7.5	6.8	7.2	7.4	6.9	7.1	8.1	7.5	7.8	7.6	7.4	7.5
4	7.4	6.7	7.0	---	---	---	8.0	7.4	7.5	7.6	7.3	7.5
5	7.7	6.7	6.9	7.6	7.2	7.4	7.6	7.3	7.4	7.9	7.4	7.5
6	8.1	6.7	7.3	7.6	7.2	7.4	7.4	7.2	7.3	8.2	7.5	7.6
7	7.8	6.7	6.9	---	---	---	7.9	7.2	7.3	7.8	7.5	7.6
8	7.0	6.7	6.8	7.8	7.5	7.8	---	---	---	8.2	7.4	7.5
9	8.2	6.7	7.0	7.8	7.7	7.8	7.5	7.2	7.4	7.5	7.2	7.3
10	7.0	6.8	7.0	---	---	---	---	---	---	7.6	7.1	7.2
11	7.2	6.8	7.0	---	---	---	8.3	7.1	7.4	8.0	7.1	7.2
12	7.0	6.8	6.8	---	---	---	8.4	7.3	8.0	7.3	7.0	7.1
13	7.2	6.8	6.9	7.8	7.5	7.8	8.4	7.3	8.1	8.4	7.0	7.4
14	7.3	6.8	7.0	---	---	---	8.2	7.8	8.1	8.5	7.0	7.9
15	7.5	6.8	7.0	7.9	7.8	7.8	8.3	7.9	8.1	8.6	7.9	8.3
16	7.7	6.8	7.1	7.9	7.6	7.7	8.1	7.9	8.0	8.5	8.1	8.3
17	8.1	6.8	7.2	---	---	---	8.2	7.6	7.9	8.3	8.0	8.1
18	7.5	6.8	7.0	---	---	---	7.8	7.6	7.7	8.3	8.0	8.1
19	8.0	6.8	7.1	---	---	---	8.3	7.5	7.6	8.3	7.8	8.0
20	8.1	6.8	7.0	---	---	---	8.0	7.6	7.8	8.2	7.6	7.8
21	7.1	7.0	7.0	---	---	---	8.3	7.7	7.9	7.7	7.5	7.6
22	7.2	7.0	7.1	---	---	---	8.3	7.5	7.9	7.9	7.4	7.5
23	7.5	7.0	7.1	---	---	---	8.2	7.4	7.8	7.8	7.2	7.4
24	7.8	6.9	7.1	7.6	7.4	7.5	8.1	8.0	8.1	7.8	7.5	7.7
25	7.3	6.9	7.0	8.1	7.5	7.8	8.1	7.9	8.1	7.8	7.5	7.7
26	7.6	6.9	7.2	8.0	7.8	7.9	8.1	7.9	8.0	7.9	7.6	7.7
27	7.3	7.0	7.2	7.9	7.6	7.7	8.0	7.8	7.9	8.0	7.6	7.8
28	7.3	7.1	7.2	8.1	7.6	7.9	7.9	7.8	7.9	8.0	7.6	7.8
29	7.6	7.1	7.2	8.1	7.8	7.9	8.0	7.7	7.9	7.9	7.6	7.8
30	7.6	7.1	7.1	8.0	7.7	7.9	7.8	7.6	7.7	7.9	7.6	7.7
31	7.3	7.0	7.1	---	---	---	7.8	7.4	7.6	7.9	7.6	7.7
MONTH	8.3	6.7	7.1	---	---	---	---	---	---	8.6	7.0	7.7
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.9	7.6	7.7	8.2	8.0	8.1	8.2	7.2	7.5	7.8	7.4	7.5
2	7.9	7.3	7.8	8.1	7.9	8.0	7.8	7.3	7.5	7.7	7.1	7.3
3	7.9	7.3	7.6	8.2	7.9	8.0	7.5	7.2	7.3	8.0	7.2	7.5
4	7.8	7.5	7.7	8.1	7.8	7.9	7.4	7.0	7.3	7.8	7.2	7.4
5	7.8	7.6	7.7	8.6	7.7	7.9	7.4	7.1	7.2	7.8	7.5	7.6
6	7.8	7.6	7.7	8.3	7.5	7.7	7.5	6.9	7.0	7.7	7.4	7.6
7	7.8	7.5	7.6	8.4	7.4	7.7	7.6	6.9	7.1	7.6	7.4	7.5
8	7.7	7.5	7.6	8.3	7.5	7.7	7.4	6.8	7.1	8.1	7.1	7.6
9	7.6	7.5	7.5	8.0	7.5	7.8	7.6	7.2	7.4	7.5	7.0	7.2
10	7.7	7.5	7.6	8.3	7.5	7.9	7.9	6.7	7.3	7.9	6.9	7.1
11	7.8	7.5	7.7	8.4	7.4	8.0	7.6	6.8	7.0	7.9	6.8	7.3
12	8.0	7.6	7.8	8.2	7.6	7.9	8.2	6.9	7.5	8.3	6.8	7.2
13	8.0	7.6	7.7	8.1	7.7	7.9	8.0	7.5	7.8	8.1	6.9	7.4
14	8.1	7.5	7.8	8.2	7.9	8.0	7.7	7.4	7.6	7.9	6.8	7.3
15	8.1	7.3	7.6	8.2	7.3	7.9	7.9	7.5	7.7	8.5	6.7	7.1
16	8.4	7.2	7.8	8.3	7.3	7.7	8.2	7.5	7.8	7.3	6.7	6.8
17	8.3	7.3	7.4	7.9	7.6	7.8	8.3	7.4	7.7	8.5	6.7	7.4
18	8.4	7.3	8.1	8.3	7.5	7.9	7.9	7.2	7.3	8.6	6.8	8.1
19	8.4	7.7	8.0	8.4	7.4	7.7	7.4	7.1	7.2	8.2	6.9	7.7
20	8.3	7.8	8.0	7.6	7.4	7.5	7.2	7.0	7.2	7.8	6.8	7.3
21	8.3	7.6	8.0	8.1	7.4	7.5	7.3	7.2	7.3	8.4	7.4	7.7
22	8.3	7.5	8.0	8.8	7.1	7.6	7.2	7.1	7.2	8.2	6.8	7.6
23	8.4	7.6	8.1	8.7	7.1	8.1	8.3	6.9	7.4	8.5	6.6	7.5
24	8.3	8.1	8.2	8.1	7.0	7.2	8.0	7.0	7.5	8.5	6.6	7.2
25	8.2	7.8	8.1	9.0	7.0	7.6	8.0	7.5	7.7	8.1	6.6	7.4
26	8.2	7.9	8.1	8.6	6.9	7.6	8.0	7.3	7.7	8.0	7.0	7.3
27	8.3	7.8	8.0	8.2	6.8	7.2	8.4	7.0	7.6	7.2	6.8	6.9
28	8.3	8.1	8.2	8.9	6.9	7.6	8.1	7.0	7.6	7.2	6.6	6.8
29	---	---	---	8.6	7.4	8.0	8.0	7.2	7.4	6.8	6.5	6.6
30	---	---	---	7.9	7.0	7.3	7.9	7.2	7.5	6.7	6.5	6.6
31	---	---	---	8.9	7.1	8.1	---	---	---	6.6	6.5	6.6
MONTH	8.4	7.2	7.8	9.0	6.8	7.8	8.4	6.7	7.4	8.6	6.5	7.3



## 0208453300 PAMLICO RIVER AT LIGHT 5—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	7.5	6.5	6.9	7.6	6.9	7.0	8.6	7.0	7.7	8.7	8.0	8.4
2	7.2	6.6	7.1	8.6	6.8	7.1	8.6	7.0	8.1	8.0	7.2	7.5
3	8.1	6.8	7.1	7.8	6.9	7.2	8.7	7.0	7.9	8.8	7.2	7.6
4	6.8	6.6	6.6	8.3	6.9	7.4	8.6	7.1	7.3	8.7	7.3	8.3
5	7.0	6.6	6.7	8.2	7.0	7.5	7.9	7.1	7.2	8.5	8.1	8.3
6	6.8	6.5	6.6	8.1	7.0	7.6	7.7	7.1	7.1	8.6	8.1	8.3
7	7.1	6.5	6.7	8.1	6.9	7.1	8.2	7.1	7.2	8.4	8.0	8.2
8	7.2	6.7	6.8	8.1	6.9	7.4	7.8	7.1	7.3	8.2	7.4	8.1
9	7.2	6.7	6.8	8.1	6.9	7.2	8.3	7.1	7.4	8.4	7.6	8.1
10	7.7	6.7	6.9	8.1	6.8	7.0	8.0	7.1	7.5	8.2	7.9	8.0
11	7.9	6.8	7.3	7.6	6.8	6.9	8.7	7.3	7.6	---	---	---
12	7.7	6.9	7.3	8.3	6.9	7.2	8.0	7.3	7.5	---	---	---
13	7.6	6.8	7.1	7.9	6.8	7.2	8.1	7.4	7.5	---	---	---
14	7.8	6.7	7.0	7.3	7.0	7.1	8.3	7.4	7.7	---	---	---
15	7.3	6.7	6.8	7.4	7.0	7.1	8.8	7.5	7.8	---	---	---
16	6.8	6.7	6.8	8.2	6.9	7.4	8.7	7.5	7.8	---	---	---
17	6.9	6.8	6.8	8.4	6.9	7.2	8.7	7.8	8.4	---	---	---
18	7.1	6.8	6.8	8.0	7.0	7.1	8.8	7.7	8.5	---	---	---
19	7.7	6.8	7.4	7.2	6.9	7.0	8.9	8.2	8.5	---	---	---
20	7.6	7.3	7.5	6.9	6.8	6.9	8.9	7.5	8.3	7.7	7.1	7.3
21	7.6	7.0	7.3	7.0	6.9	6.9	8.4	7.4	7.6	8.6	7.0	7.3
22	8.0	7.0	7.4	8.3	7.0	7.0	8.7	7.3	7.6	8.3	7.1	7.4
23	8.0	6.9	7.2	8.1	7.0	7.0	7.8	7.2	7.3	8.1	7.1	7.5
24	8.3	6.9	7.6	7.0	6.9	7.0	8.1	7.1	7.3	8.3	7.1	7.3
25	8.2	7.5	7.9	7.3	6.9	7.0	8.6	7.9	8.2	8.2	7.1	7.6
26	8.1	7.6	7.8	7.1	7.0	7.1	8.7	8.2	8.4	8.2	7.4	7.8
27	7.8	7.1	7.5	7.1	7.0	7.1	8.8	8.5	8.7	8.4	7.2	7.8
28	7.6	6.9	7.2	7.1	7.0	7.1	8.8	8.4	8.6	8.2	7.2	7.7
29	7.5	6.9	7.0	8.4	7.0	7.6	8.7	8.6	8.6	8.4	7.8	8.1
30	7.7	7.0	7.3	8.4	7.0	7.8	8.6	8.1	8.4	8.0	7.2	7.7
31	---	---	---	8.3	7.0	7.9	8.7	7.9	8.4	---	---	---
MONTH	8.3	6.5	7.1	8.6	6.8	7.2	8.9	7.0	7.9	---	---	---

## PAMLICO RIVER BASIN

0208453300 PAMLICO RIVER AT LIGHT 5—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
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	24.4	23.7	24.0	20.1	17.7	19.3	13.3	12.6	13.0	6.3	5.4	5.8
2	24.7	23.7	24.2	20.4	18.9	19.5	13.2	12.0	12.4	6.4	5.8	6.0
3	24.8	24.0	24.2	20.0	19.1	19.7	12.2	11.3	11.8	8.4	5.8	6.2
4	25.5	23.8	24.4	---	---	---	12.3	10.8	11.5	9.4	6.8	8.3
5	24.8	23.6	24.3	19.1	17.8	18.4	12.4	9.7	11.5	9.2	6.8	8.2
6	23.6	22.5	22.9	18.0	17.2	17.6	12.6	11.8	12.1	9.5	8.3	9.0
7	22.6	21.6	22.1	---	---	---	13.7	11.9	12.6	10.9	7.2	9.7
8	22.9	21.2	21.8	16.8	16.0	16.5	---	---	---	11.3	8.4	10.5
9	22.5	21.6	22.0	16.0	15.0	15.5	14.3	13.5	13.8	11.3	10.3	10.8
10	23.1	21.5	22.2	---	---	---	---	---	---	11.4	10.4	10.8
11	22.2	21.5	21.9	---	---	---	15.2	13.3	14.2	11.4	10.7	11.0
12	21.8	20.7	21.3	---	---	---	13.3	12.0	12.7	12.2	10.7	11.1
13	22.2	20.9	21.6	15.2	13.6	14.5	12.4	11.3	12.0	12.2	10.4	11.4
14	22.2	21.3	21.5	---	---	---	11.4	10.1	10.7	13.1	11.8	12.3
15	21.5	20.3	20.8	12.9	11.8	12.3	10.1	8.4	9.2	12.3	10.8	11.4
16	20.5	19.2	19.8	12.5	10.8	11.8	9.2	7.0	8.2	10.9	9.0	9.9
17	19.5	18.6	19.2	---	---	---	8.6	7.1	7.6	9.3	7.7	8.6
18	19.3	18.1	18.8	---	---	---	9.5	7.6	8.1	7.8	5.9	6.8
19	20.8	18.8	19.5	---	---	---	9.5	7.8	8.6	7.0	4.3	5.6
20	20.3	20.0	20.2	---	---	---	8.7	5.5	7.4	6.1	4.3	5.2
21	20.0	19.4	19.8	---	---	---	6.7	5.6	6.2	5.6	4.2	5.2
22	19.5	18.5	18.9	---	---	---	7.0	5.8	6.4	5.3	3.5	4.1
23	18.5	17.6	18.0	---	---	---	8.3	6.6	7.4	4.8	3.5	4.1
24	18.3	16.8	17.5	15.0	13.9	14.4	8.7	7.4	7.8	3.5	2.5	3.0
25	17.9	16.0	16.9	15.9	14.3	15.1	7.4	6.3	6.8	3.7	2.4	2.9
26	17.9	16.1	17.0	14.3	12.7	13.5	6.3	4.7	5.6	4.5	2.7	3.6
27	18.0	17.4	17.6	13.5	11.7	12.5	5.2	4.2	4.5	4.3	3.4	3.9
28	18.4	17.0	17.8	13.5	12.2	12.9	5.4	3.0	3.9	3.4	2.7	3.0
29	18.2	17.2	17.7	13.3	12.3	12.9	5.6	3.1	4.2	3.7	2.2	2.8
30	19.0	17.5	18.1	13.2	12.5	13.0	5.2	4.5	4.9	3.3	2.8	3.2
31	20.1	18.2	19.0	---	---	---	6.2	5.0	5.3	3.7	3.0	3.4
MONTH	25.5	16.0	20.5	---	---	---	---	---	---	13.1	2.2	7.0
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	3.6	3.0	3.3	8.5	7.9	8.3	16.3	15.2	15.6	18.2	17.4	17.7
2	4.5	3.0	3.5	8.0	6.9	7.3	16.6	15.5	16.0	18.8	17.5	18.1
3	4.2	3.5	3.9	7.0	6.2	6.6	15.8	14.4	15.2	19.6	17.4	18.0
4	4.5	3.9	4.2	8.2	6.2	7.0	15.4	14.2	14.8	19.1	17.6	18.2
5	4.9	3.9	4.3	8.2	7.0	7.6	16.0	14.5	15.3	18.3	17.6	17.9
6	5.8	4.2	4.8	8.7	7.3	8.0	16.8	15.2	15.9	17.6	15.2	16.5
7	5.5	4.6	4.9	9.5	7.8	8.6	17.4	16.0	16.7	16.4	14.4	15.4
8	6.2	4.7	5.5	9.8	8.2	9.1	17.9	16.9	17.4	17.2	15.8	16.4
9	8.2	5.2	5.8	8.7	7.5	8.2	17.6	16.2	17.0	18.2	16.4	17.0
10	8.3	5.9	7.5	8.8	7.4	8.1	17.1	16.0	16.5	19.0	17.3	18.0
11	6.7	5.3	5.8	9.5	8.0	8.6	17.7	16.0	16.6	22.0	18.1	19.1
12	6.1	4.8	5.5	9.1	7.9	8.6	17.2	16.0	16.6	22.6	18.4	20.3
13	6.2	5.2	5.7	9.8	8.3	9.1	16.0	14.8	15.4	20.8	19.5	20.3
14	7.1	6.0	6.4	9.7	9.0	9.3	14.8	14.1	14.6	21.5	19.7	20.4
15	8.0	7.0	7.2	10.3	8.4	9.4	14.1	12.9	13.6	22.6	20.5	21.3
16	9.5	7.0	8.2	9.8	9.0	9.3	12.9	12.1	12.7	22.1	19.1	21.4
17	9.9	9.0	9.4	9.1	8.0	8.5	13.5	12.2	12.8	22.5	20.8	21.5
18	9.3	8.4	8.8	8.7	7.8	8.3	14.9	12.6	13.5	22.5	20.5	21.5
19	8.8	7.2	8.0	9.0	8.3	8.6	16.0	14.2	14.9	21.8	21.1	21.5
20	8.5	7.8	8.2	12.1	8.3	9.6	18.0	15.1	16.2	22.1	21.3	21.7
21	9.6	8.3	8.8	12.2	8.8	10.4	17.2	14.4	16.1	21.8	20.8	21.3
22	9.7	9.1	9.3	12.1	10.5	11.4	18.6	14.4	17.6	21.7	20.8	21.3
23	10.2	9.2	9.6	12.5	11.3	11.9	18.4	17.3	17.9	22.6	21.0	21.7
24	9.6	9.1	9.3	13.8	12.1	12.7	17.6	15.1	16.2	23.2	21.7	22.2
25	9.1	8.4	8.7	13.3	12.3	12.8	15.8	14.1	15.1	22.0	20.6	21.3
26	9.1	6.9	8.2	13.5	12.5	12.9	15.5	14.8	15.1	21.6	19.9	20.7
27	9.3	8.0	8.4	13.2	12.8	12.9	17.0	15.2	16.0	22.8	20.7	21.6
28	8.6	8.0	8.3	14.3	13.0	13.5	17.2	15.6	16.4	23.0	21.5	22.3
29	---	---	---	14.6	13.1	13.7	16.8	15.7	16.3	23.8	22.1	22.9
30	---	---	---	15.0	13.4	14.1	17.8	16.4	16.9	23.4	22.4	22.8
31	---	---	---	15.6	14.2	14.8	---	---	---	23.1	22.0	22.5
MONTH	10.2	3.0	6.8	15.6	6.2	10.0	18.6	12.1	15.7	23.8	14.4	20.1

## 0208453300 PAMLICO RIVER AT LIGHT 5—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	22.3	21.4	21.9	29.6	27.1	27.8	29.3	28.3	28.9	30.2	28.2	29.0
2	21.4	20.7	21.0	29.8	27.3	28.3	30.0	28.4	29.2	31.0	29.0	29.7
3	22.4	21.0	21.5	28.8	27.5	28.0	30.9	28.8	29.7	29.5	28.6	29.1
4	22.4	21.7	22.0	29.5	27.5	28.3	30.2	28.9	29.5	28.9	27.7	28.3
5	25.4	20.9	22.9	29.0	27.6	28.1	30.9	29.2	29.8	27.7	27.1	27.4
6	25.7	22.3	24.5	30.3	28.0	29.2	30.8	29.6	30.1	27.1	26.3	26.7
7	27.4	23.5	25.2	30.5	29.0	29.8	30.6	29.3	30.0	26.5	25.9	26.2
8	27.1	22.0	25.9	30.1	28.0	29.4	30.2	28.9	29.3	26.4	25.6	25.9
9	27.1	25.3	26.2	30.0	28.8	29.2	29.1	28.5	28.8	26.8	25.3	26.0
10	27.2	25.0	26.1	30.2	28.5	29.3	29.8	28.3	28.7	26.2	25.1	25.6
11	26.8	25.4	26.1	30.6	29.1	29.9	30.5	28.7	29.7	---	---	---
12	27.2	25.7	26.5	30.3	29.5	29.9	31.4	29.6	30.2	---	---	---
13	28.6	26.7	27.4	29.8	27.9	28.9	32.2	30.0	30.7	---	---	---
14	29.5	27.3	28.1	28.5	27.9	28.1	32.6	30.2	30.9	---	---	---
15	30.2	27.9	29.0	28.9	27.8	28.1	32.8	30.8	31.4	---	---	---
16	30.3	28.7	29.4	29.9	28.1	28.7	31.6	30.2	31.0	---	---	---
17	29.0	27.1	27.9	30.4	28.6	29.4	31.0	30.1	30.5	---	---	---
18	28.3	26.5	27.4	30.6	28.8	29.5	30.4	29.6	30.0	---	---	---
19	27.0	26.3	26.6	30.8	29.1	30.0	31.4	29.5	29.9	---	---	---
20	26.3	25.5	25.9	31.1	29.5	30.3	32.4	29.5	30.3	28.2	26.5	27.2
21	26.2	24.7	25.5	32.2	29.9	30.6	32.7	29.8	31.4	27.7	26.0	27.0
22	26.8	24.9	25.8	32.5	29.9	30.6	32.0	30.3	31.0	27.1	26.3	26.6
23	27.0	25.2	26.2	31.4	29.5	30.4	31.6	30.1	30.7	28.2	26.2	27.0
24	27.6	25.4	26.0	31.2	29.6	30.2	30.1	29.3	29.7	27.7	26.7	27.3
25	26.6	25.7	26.2	31.4	29.1	29.9	29.4	28.2	28.9	27.5	26.3	26.8
26	26.5	26.0	26.2	32.6	29.6	30.5	29.1	27.8	28.2	27.1	26.4	26.8
27	28.0	26.2	26.7	32.4	30.1	31.0	28.3	27.4	27.9	27.2	26.3	26.8
28	27.8	26.8	27.4	33.0	31.0	32.0	29.0	27.1	27.9	26.7	25.6	26.2
29	27.4	26.4	26.8	31.5	30.1	30.5	28.9	27.6	28.3	27.1	25.7	26.3
30	29.1	26.0	27.1	30.6	29.6	29.9	29.0	27.9	28.1	26.5	24.9	25.5
31	---	---	---	29.7	28.9	29.3	29.5	28.6	29.0	---	---	---
MONTH	30.3	20.7	25.8	33.0	27.1	29.5	32.8	27.1	29.7	---	---	---

## PAMLICO RIVER BASIN

0208453300 PAMLICO RIVER AT LIGHT 5—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
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	24.2	23.6	23.9	19.1	17.6	17.9	13.4	12.8	13.1	5.8	5.4	5.6
2	24.7	23.7	24.2	19.1	18.1	18.4	13.4	12.6	13.1	5.8	5.5	5.6
3	24.4	23.8	24.2	19.3	18.0	18.5	13.2	11.5	12.3	6.0	5.6	5.7
4	24.4	23.8	24.1	---	---	---	12.9	12.0	12.8	6.2	5.8	5.9
5	24.3	24.0	24.1	19.1	18.0	18.4	12.8	12.3	12.7	7.4	5.8	6.1
6	24.1	22.6	23.3	18.2	17.4	17.9	12.9	12.6	12.8	8.6	6.0	6.4
7	24.0	22.2	23.2	---	---	---	12.9	12.3	12.8	7.2	6.2	6.5
8	23.9	22.5	23.3	17.4	16.1	16.5	---	---	---	9.7	6.7	7.2
9	23.8	21.9	23.0	16.1	15.4	15.6	13.0	12.5	12.7	8.3	6.8	7.3
10	23.8	22.7	23.6	---	---	---	---	---	---	9.0	7.3	7.8
11	23.6	22.2	23.1	---	---	---	14.1	12.9	13.4	9.7	7.4	8.0
12	23.1	22.5	22.7	---	---	---	13.6	12.4	13.0	9.4	7.9	8.3
13	22.5	21.8	22.2	15.0	14.0	14.5	13.2	11.3	12.2	11.5	8.0	9.1
14	22.4	21.4	21.9	---	---	---	11.4	10.3	10.9	12.9	8.8	11.5
15	22.0	20.3	21.8	13.6	12.2	13.1	10.3	9.1	9.7	12.0	10.8	11.3
16	21.8	20.2	21.1	13.4	12.9	13.2	10.2	9.2	9.9	10.8	9.3	10.0
17	21.5	18.8	20.5	---	---	---	9.9	8.8	9.7	9.9	8.3	9.1
18	21.2	19.6	20.7	---	---	---	10.0	9.6	9.8	8.7	6.9	7.6
19	20.8	19.6	20.1	---	---	---	10.0	8.9	9.9	7.6	6.0	7.2
20	20.7	19.9	20.5	---	---	---	9.0	7.0	7.7	7.6	5.2	6.8
21	20.7	20.5	20.6	---	---	---	7.6	6.3	7.0	7.2	6.3	7.0
22	20.7	20.1	20.5	---	---	---	7.6	6.2	7.1	7.1	4.4	6.5
23	20.5	18.9	19.8	---	---	---	8.4	6.7	7.5	6.1	3.7	4.3
24	20.0	17.9	19.4	14.2	13.1	13.3	8.6	7.4	7.9	4.0	3.0	3.5
25	19.9	18.6	19.4	15.9	13.4	14.6	7.4	6.4	6.8	3.6	2.9	3.3
26	19.6	17.2	18.5	14.7	13.4	13.8	6.4	5.0	5.7	3.8	3.4	3.5
27	18.8	17.9	18.1	14.0	13.5	13.7	5.7	4.5	5.3	4.1	3.4	3.8
28	18.2	17.7	17.9	13.8	12.8	13.3	5.4	5.1	5.3	4.0	2.8	3.4
29	18.3	17.9	18.1	13.3	12.7	12.9	5.5	4.4	5.1	3.5	2.1	2.9
30	18.1	17.7	17.9	13.2	12.9	13.1	5.5	5.1	5.3	3.3	2.6	3.1
31	18.0	17.6	17.8	---	---	---	5.6	5.2	5.4	3.5	3.0	3.3
MONTH	24.7	17.2	21.3	---	---	---	---	---	---	12.9	2.1	6.4
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	3.7	3.3	3.5	8.5	7.9	8.3	15.5	14.0	14.7	18.0	17.5	17.7
2	4.0	3.1	3.5	8.0	7.0	7.4	16.6	15.4	15.9	18.4	17.5	17.8
3	4.1	3.7	3.9	7.1	6.4	6.8	15.9	14.4	15.2	19.0	17.5	17.8
4	4.0	3.8	3.9	7.3	7.0	7.2	15.2	14.2	14.6	19.4	17.6	18.1
5	4.1	3.9	4.0	8.2	7.0	7.1	15.8	14.4	14.7	18.2	17.5	17.9
6	4.8	4.0	4.1	8.0	7.0	7.2	16.1	14.5	15.1	17.6	15.2	16.5
7	4.8	4.2	4.4	8.8	7.2	7.6	17.3	14.5	15.3	15.7	14.2	15.2
8	5.1	4.4	4.7	9.6	7.5	8.5	17.6	15.1	16.4	16.8	15.6	16.1
9	5.0	4.6	4.8	8.6	7.3	8.1	17.6	16.3	17.0	17.4	16.1	16.4
10	7.4	4.9	5.5	8.7	7.6	8.1	16.5	15.7	16.1	18.3	16.6	17.1
11	6.5	5.1	5.4	9.1	8.1	8.5	16.5	15.7	16.0	19.3	17.9	18.4
12	5.8	5.2	5.4	9.1	8.0	8.6	16.8	16.0	16.4	20.5	17.8	18.8
13	6.1	5.4	5.6	9.6	8.8	9.0	16.0	14.8	15.4	20.6	18.2	19.9
14	6.7	5.7	6.0	9.6	9.0	9.3	14.8	14.1	14.6	20.2	18.6	19.7
15	6.8	5.9	6.2	9.4	8.7	9.0	14.1	12.9	13.6	21.9	18.6	19.7
16	9.1	6.1	7.0	9.6	9.1	9.3	13.0	12.1	12.7	20.9	18.6	19.3
17	9.1	6.3	6.7	9.1	8.1	8.6	13.4	12.3	12.7	21.9	19.3	20.6
18	8.9	6.7	8.3	8.8	7.7	8.2	13.3	12.4	12.8	22.5	20.2	21.5
19	8.3	7.6	8.0	8.8	8.6	8.8	13.2	12.2	12.5	21.9	21.0	21.6
20	8.3	7.9	8.1	8.8	8.7	8.8	13.0	12.0	12.2	22.0	21.4	21.7
21	9.4	8.1	8.6	10.1	8.8	8.9	12.3	12.0	12.1	21.6	20.8	21.3
22	9.2	8.2	8.8	11.6	9.0	9.7	14.3	12.2	12.6	21.6	20.9	21.2
23	9.6	8.6	9.2	12.5	9.3	11.3	18.2	12.4	15.5	22.5	21.0	21.4
24	9.8	9.1	9.3	12.4	9.8	10.5	17.6	13.9	15.8	22.5	20.8	21.4
25	9.1	8.6	8.8	13.2	10.6	11.6	15.8	14.5	15.1	21.9	20.7	21.2
26	8.7	8.0	8.5	12.8	10.7	11.8	15.6	14.8	15.2	21.0	20.1	20.6
27	8.6	8.1	8.4	12.6	10.8	11.6	16.7	14.8	15.5	20.9	20.4	20.7
28	8.6	8.0	8.4	14.1	10.9	12.6	16.4	15.3	15.7	21.6	20.4	20.6
29	---	---	---	14.4	13.1	13.6	16.4	15.4	15.6	21.0	20.3	20.4
30	---	---	---	14.1	12.8	13.4	17.9	15.9	16.8	20.4	20.3	20.3
31	---	---	---	15.6	13.5	14.7	---	---	---	21.4	20.3	20.6
MONTH	9.8	3.1	6.4	15.6	6.4	9.5	18.2	12.0	14.8	22.5	14.2	19.4

## 0208453300 PAMLICO RIVER AT LIGHT 5—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	22.2	20.7	21.5	27.1	26.0	26.3	29.1	28.3	28.8	28.9	28.5	28.6
2	21.2	20.7	21.0	28.8	25.9	26.4	29.1	28.4	28.6	28.6	28.3	28.5
3	22.2	20.7	21.1	28.1	26.3	27.0	29.5	28.5	28.9	29.0	28.3	28.5
4	21.1	20.7	20.8	28.1	26.8	27.4	29.6	28.4	28.7	28.8	27.7	28.3
5	22.8	20.7	21.1	28.8	27.0	27.7	29.4	28.6	28.8	27.7	27.1	27.4
6	22.9	20.9	21.3	29.3	27.4	28.3	29.3	28.5	28.8	27.1	26.4	26.7
7	23.5	21.0	21.6	29.5	27.7	28.3	30.1	28.5	28.9	26.5	25.9	26.2
8	24.3	21.2	21.9	29.4	27.9	28.8	30.0	28.9	29.2	26.3	25.5	25.9
9	24.8	21.8	22.7	29.5	28.5	28.9	29.2	28.8	29.0	26.9	25.3	26.0
10	26.3	22.5	24.1	29.4	28.5	28.7	29.0	28.4	28.7	26.2	25.2	25.6
11	26.5	24.7	25.8	29.5	28.4	28.6	29.4	28.5	28.9	---	---	---
12	27.0	25.9	26.4	29.8	28.4	28.8	29.8	28.8	29.1	---	---	---
13	27.3	26.1	26.4	29.2	28.2	28.7	30.0	29.1	29.3	---	---	---
14	27.5	25.7	26.5	28.6	28.1	28.4	30.6	29.3	29.8	---	---	---
15	27.6	25.8	26.0	28.4	27.9	28.2	31.6	29.5	30.1	---	---	---
16	26.1	25.7	25.8	28.6	27.8	28.1	31.1	29.5	30.1	---	---	---
17	26.7	25.7	26.1	29.0	27.8	28.2	30.8	30.1	30.4	---	---	---
18	27.1	26.1	26.3	29.7	28.1	28.3	30.4	29.6	30.0	---	---	---
19	26.8	26.2	26.5	28.9	28.1	28.3	30.1	29.4	29.6	---	---	---
20	26.3	25.5	25.9	28.8	28.2	28.3	30.1	29.4	29.8	26.8	25.5	26.0
21	25.5	24.5	24.9	28.4	28.2	28.3	30.1	29.6	29.7	27.6	25.7	26.1
22	26.2	24.6	25.0	31.4	28.3	28.6	30.8	29.5	29.8	26.9	25.9	26.3
23	26.1	24.6	25.1	30.6	28.5	28.7	30.2	29.5	29.7	26.6	26.1	26.2
24	26.3	25.1	25.6	29.1	28.6	28.7	29.9	29.5	29.7	27.3	26.1	26.4
25	26.6	25.8	26.2	29.2	28.6	28.8	29.5	28.2	28.9	27.0	26.3	26.6
26	26.5	26.0	26.2	29.4	28.6	28.8	28.8	27.8	28.2	27.0	26.5	26.7
27	26.9	26.1	26.3	29.5	28.6	28.8	28.3	27.5	27.9	27.0	26.3	26.6
28	27.0	26.2	26.5	29.5	28.6	28.9	28.7	27.1	27.8	26.5	25.8	26.2
29	26.7	26.2	26.4	31.0	28.7	29.8	28.9	27.6	28.3	26.9	25.7	26.2
30	26.6	26.0	26.3	30.3	29.0	29.7	28.6	27.9	28.2	26.5	24.9	25.6
31	---	---	---	29.6	28.9	29.3	29.4	28.3	28.8	---	---	---
MONTH	27.6	20.7	24.6	31.4	25.9	28.4	31.6	27.1	29.1	---	---	---

## PAMLICO RIVER BASIN

0208453300 PAMLICO RIVER AT LIGHT 5—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	8.2	6.5	7.2	9.4	4.7	7.9	12.1	10.1	11.2	18.9	13.6	15.3
2	9.1	6.6	7.8	9.4	7.2	8.1	12.0	8.8	10.4	18.4	14.6	16.1
3	9.0	6.5	7.7	8.8	5.2	7.8	12.3	10.3	11.0	18.9	14.6	16.1
4	10.6	7.2	8.6	---	---	---	14.3	9.9	11.4	17.0	13.7	15.4
5	9.2	8.0	8.6	9.1	6.4	7.9	15.2	10.2	11.8	14.6	12.8	13.7
6	9.8	7.6	8.3	9.5	7.3	8.6	12.6	8.1	10.2	14.3	12.3	13.1
7	10.8	7.9	8.8	---	---	---	13.4	8.3	10.6	13.4	11.5	12.5
8	10.5	8.2	9.1	9.9	9.6	9.7	---	---	---	13.9	11.5	12.7
9	10.0	8.6	9.1	10.4	9.8	10.1	12.4	8.8	10.5	13.6	11.9	12.7
10	10.2	8.7	9.4	---	---	---	---	---	---	15.3	12.3	13.3
11	10.2	8.8	9.3	---	---	---	11.6	10.3	10.9	15.3	13.1	14.0
12	10.5	7.5	9.4	---	---	---	12.1	10.0	11.0	15.6	13.4	14.4
13	9.5	2.1	7.3	11.2	10.3	10.6	12.0	10.2	10.9	14.7	10.3	12.9
14	9.7	4.5	7.3	---	---	---	12.5	10.8	11.2	11.5	9.3	10.3
15	9.2	6.3	8.2	13.2	11.1	12.0	12.4	10.8	11.7	11.1	9.3	10
16	11.1	6.9	8.3	13.6	12.4	12.8	13.8	11.5	12.4	11.3	9.5	10.3
17	12.1	8.3	9.9	---	---	---	14.6	12.0	13.2	12.2	10.1	11.2
18	11.0	8.0	10.1	---	---	---	15.3	9.0	12.9	13.2	10.6	11.7
19	11.9	8.6	10.0	---	---	---	15.8	8.6	12.5	14.1	10.8	12.5
20	10.7	8.8	9.5	---	---	---	12.4	10.5	11.1	13.1	11.8	12.3
21	9.3	8.5	8.9	---	---	---	15.2	11.2	11.9	13.0	11.7	12.4
22	9.3	8.1	8.8	---	---	---	13.2	11.8	12.3	13.7	11.3	12.4
23	11.0	8.3	9.0	---	---	---	12.8	11.8	12.2	12.8	10.8	11.4
24	9.8	7.0	8.6	13.4	8.3	11.4	13.0	11.3	11.9	12.3	11.1	11.5
25	11.0	5.7	8.5	11.6	9.0	10.7	12.9	11.6	12.1	12.4	11.2	11.8
26	9.3	5.2	7.5	12.2	10.4	11.0	14.0	11.8	12.4	12.3	11.5	12.0
27	11.2	3.9	7.3	12.3	10.4	11.2	13.6	12.0	12.6	12.2	11.7	12.0
28	10.7	2.2	5.2	12.2	10.6	11.6	15.6	11.8	13.1	12.4	11.8	12.1
29	10.0	4.5	7.6	11.9	10.5	11.4	14.1	12.6	13.4	12.6	12.1	12.4
30	10.4	7.3	9.2	12.6	10.0	11.7	14.2	13.0	13.4	12.6	11.5	12.3
31	10.0	6.5	8.5	---	---	---	16.1	13.2	13.8	12.4	11.8	12.1
MONTH	12.1	2.1	8.5	---	---	---	---	---	---	18.9	9.3	12.7
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	12.4	11.9	12.2	11.2	10.5	10.8	12.1	10.0	11.0	9.0	7.6	8.3
2	12.5	12.0	12.3	13.2	10.0	10.9	10.6	9.2	9.9	9.3	6.7	8.5
3	13.4	11.9	12.4	12.7	9.8	11.5	10.4	9.2	9.7	10.1	6.8	8.3
4	12.4	11.4	12.2	14.1	11.6	12.5	10.3	9.6	10	---	---	---
5	12.4	11.8	12.0	13.3	11.5	12.6	10.3	8.5	9.8	---	---	---
6	12.3	10.9	12.0	13.5	11.7	12.7	9.8	8.7	9.3	---	---	---
7	12.6	11.3	12.0	12.9	11.3	12.4	9.2	8.5	9.0	---	---	---
8	12.8	9.8	12.0	12.1	7.4	10.2	9.2	7.9	8.6	---	---	---
9	13.2	11.0	12.0	11.3	8.6	10.2	8.9	8.2	8.5	---	---	---
10	12.8	10.6	11.7	11.9	10.3	11.2	10.3	8.5	9.3	---	---	---
11	11.7	10.0	11.1	12.6	10.4	11.6	10.9	9.0	10.0	---	---	---
12	12.1	10.7	11.6	11.1	9.9	10.6	10.6	9.3	10	11.3	3.9	9.4
13	12.7	11.2	12.0	11.5	10.2	10.8	9.7	9.2	9.4	8.3	5.6	7.7
14	12.7	11.3	12.0	11.1	10.6	10.8	9.8	8.9	9.3	10.2	7.2	8.3
15	14.9	11.8	12.6	12.9	10.7	11.7	10.3	9.5	9.9	10.4	7.9	8.8
16	14.9	12.1	13.2	12.8	10.3	12.0	11.0	10.0	10.5	10.1	1.1	8.1
17	13.2	11.9	12.8	10.9	9.9	10.6	11.7	10.5	11.0	10.0	6.4	8.6
18	12.8	11.5	12.1	12.6	10.5	11.4	12.0	9.9	11.4	11.0	7.8	9.0
19	13.3	10.8	12.1	13.8	12.4	13.0	11.7	10.8	11.3	9.4	8.3	9.0
20	12.6	10.7	12.1	15.5	12.3	14.1	12.2	9.9	11.3	9.4	7.7	8.4
21	12.2	11.4	11.9	14.8	9.3	13.0	10.8	8.1	9.6	10.3	7.7	8.6
22	12.2	11.3	11.7	13.8	11.7	13.0	10.6	8.2	9.9	10.2	8.5	9.5
23	12.1	10.8	11.7	12.8	11.5	12.2	9.9	9.0	9.5	11.0	8.5	9.8
24	11.5	10.6	11.1	13.2	11.3	12.0	9.7	8.1	8.8	11.1	9.2	10.0
25	11.3	10.3	10.8	13.5	11.7	12.5	9.8	8.2	8.9	10.0	8.3	9.0
26	12.3	10.2	11.6	13.3	11.9	12.6	9.8	8.9	9.4	9.6	7.7	8.7
27	12.6	11.0	11.9	13.8	12.3	12.7	11.1	8.8	10.0	10.8	8.0	9.7
28	12.1	10.5	11.0	12.9	10.4	12.0	11.2	8.7	9.7	10.4	8.2	9.5
29	---	---	---	12.0	10.5	11.2	10.2	8.2	9.4	10.4	7.1	8.9
30	---	---	---	12.4	8.9	11.2	9.6	7.6	8.6	8.9	6.0	8.0
31	---	---	---	12.3	10.6	11.4	---	---	---	8.8	5.0	7.4
MONTH	14.9	9.8	11.9	15.5	7.4	11.8	12.2	7.6	9.8	---	---	---

## 0208453300 PAMLICO RIVER AT LIGHT 5—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.5	5.5	7.0	11.8	6.8	8.3	10.3	5.1	7.5	---	---	---
2	7.0	4.1	6.0	9.6	3.7	7.8	12.2	6.7	9.4	13.2	6.0	9.8
3	10.1	5.6	6.9	8.8	5.9	7.2	13.5	9.2	10.4	9.6	3.0	7.6
4	8.8	5.5	7.3	11.6	5.2	7.9	12.6	3.2	9.8	8.8	5.5	6.8
5	10.9	1.2	8.2	8.3	6.1	7.1	15.8	3.4	10.7	7.2	4.5	5.8
6	10.5	4.6	8.4	9.5	5.0	7.5	12.6	4.3	9.9	7.8	5.5	6.5
7	10.9	5.7	8.8	9.3	4.2	7.3	11.2	1.5	7.0	8.3	5.9	7.0
8	10.7	1.2	8.5	8.3	4.0	7.0	7.7	0.0	4.9	9.0	6.1	7.3
9	8.3	5.7	7.2	9.5	4.0	7.0	7.0	2.2	5.3	11.9	5.8	8.5
10	8.3	4.0	6.2	11.3	2.2	7.6	14.2	2.7	6.4	9.2	7.2	8.3
11	6.9	4.7	5.8	10.8	5.8	9.0	14.9	1.0	10.5	---	---	---
12	6.8	4.3	5.7	9.7	6.6	8.1	13.6	1.1	8.7	---	---	---
13	7.5	4.7	6.2	8.2	3.7	5.6	15.0	2.5	8.0	---	---	---
14	8.1	6.5	7.2	7.8	2.7	4.6	16.4	4.2	8.0	---	---	---
15	9.0	5.8	7.5	8.3	5.5	6.5	13.6	6.7	9.3	---	---	---
16	8.5	6.1	7.7	12.1	6.4	8.5	8.9	2.5	6.2	---	---	---
17	7.0	2.5	5.8	10.3	7.0	8.6	8.2	4.1	5.8	---	---	---
18	8.6	0.6	6.5	8.4	6.7	7.4	8.2	4.3	6.0	---	---	---
19	6.9	2.8	5.9	9.3	5.8	7.6	15.4	3.8	6.9	---	---	---
20	6.9	5.5	6.2	9.1	6.0	7.7	13.3	3.5	8.0	11.7	3.7	7.6
21	8.2	5.7	6.9	10.6	6.7	8.1	14.8	3.9	10.5	9.1	0.9	6.5
22	8.9	5.8	7.6	10.7	4.7	7.6	11.3	3.8	8.6	7.5	2.5	6.1
23	9.3	3.5	7.5	10.3	3.9	7.1	9.7	2.9	6.9	10.9	4.7	7.3
24	10.4	5.2	7.1	9.6	5.7	7.9	8.1	0.7	6.2	9.0	2.7	7.5
25	8.0	6.2	7.2	11.3	4.8	8.1	8.2	4.0	5.9	---	---	---
26	8.1	6.4	7.1	13.7	6.3	9.1	---	---	---	---	---	---
27	9.9	6.3	7.5	11.2	3.5	8.1	---	---	---	---	---	---
28	9.2	5.4	7.4	10.6	6.5	9.1	---	---	---	---	---	---
29	7.3	4.0	6.3	7.8	4.3	6.1	---	---	---	---	---	---
30	11.6	4.6	7.6	8.3	5.0	6.2	---	---	---	7.7	5.1	6.1
31	---	---	---	10.1	4.8	6.3	---	---	---	---	---	---
MONTH	11.6	0.6	7.0	13.7	2.2	7.5	---	---	---	---	---	---

## PAMLICO RIVER BASIN

0208453300 PAMLICO RIVER AT LIGHT 5—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	7.6	5.3	6.7	7.2	2.8	4.1	12.9	9.3	11.1	10.8	9.3	10.1
2	8.9	6.4	7.6	7.0	2.0	3.6	12.2	8.6	9.8	10.4	9.5	10.0
3	7.7	1.9	5.9	5.7	1.3	2.6	11.0	8.3	9.7	10.6	9.2	9.8
4	7.4	0.4	4.4	---	---	---	10.6	7.4	7.8	10.3	8.8	9.6
5	8.1	0.0	2.4	7.4	4.6	6.5	8.9	7.1	7.6	11.4	9.0	9.7
6	8.7	0.1	5.4	7.4	4.9	6.3	7.5	6.4	7.0	12.0	9.4	10
7	8.0	0.0	2.1	---	---	---	9.9	6.2	6.8	10.8	9.2	9.8
8	4.6	0.0	0.8	8.4	6.8	8.2	---	---	---	11.8	8.6	9.4
9	8.8	0.0	2.0	8.7	8.2	8.4	7.8	6.1	7.0	9.3	7.1	8.3
10	1.3	0.0	0.1	---	---	---	---	---	---	9.5	6.7	7.3
11	5.3	0.0	0.2	---	---	---	10.6	4.8	6.5	10.8	5.9	7.3
12	0.5	0.0	0.1	---	---	---	11.4	6.5	9.6	8.2	5.6	6.6
13	5.7	0.1	2.2	9.2	6.8	8.6	11.3	6.5	10.1	11.2	5.2	7.4
14	6.8	0.9	3.2	---	---	---	11.2	8.6	10.5	10.6	5.1	8.7
15	7.5	0.3	1.5	9.8	9.0	9.5	11.8	10.4	10.9	10.8	8.7	9.4
16	7.5	0.0	3.1	9.7	8.4	8.9	10.8	9.3	9.9	10.4	9.1	9.7
17	8.6	0.0	3.1	---	---	---	11.3	8.2	9.5	11.2	8.9	9.7
18	6.7	0.0	1.4	---	---	---	9.5	8.4	8.9	11.1	9.3	10.1
19	8.7	0.1	3.2	---	---	---	11.9	7.7	8.4	11.8	8.8	9.7
20	8.3	0.0	1.2	---	---	---	11.5	8.9	10.7	11.8	8.5	9.4
21	0.1	0.0	0.0	---	---	---	12.8	9.8	10.9	9.5	8.0	8.6
22	1.7	0.0	0.1	---	---	---	12.7	9.0	10.8	12.6	7.5	8.5
23	5.7	0.0	1.3	---	---	---	12.3	8.1	10.5	12.7	9.2	11.0
24	7.1	0.0	1.5	8.4	6.7	7.3	11.7	10.9	11.3	11.1	10.3	10.7
25	4.1	0.0	0.8	11.3	6.5	9.3	11.8	11.0	11.4	12.0	10.2	10.9
26	6.6	0.0	2.6	11.2	9.3	10.5	12.6	11.2	11.8	12.4	10.1	10.9
27	4.6	1.2	3.5	10.8	8.4	9.3	12.2	10.9	11.4	13.2	10.2	11.4
28	5.2	2.4	3.8	12.6	8.1	10.5	11.7	11.0	11.3	12.7	10.1	11.7
29	6.6	2.6	3.6	12.5	10.6	11.5	12.5	10.8	11.6	12.7	10.6	11.9
30	6.2	2.3	2.9	13.7	9.0	10.5	11.2	10.4	10.7	12.8	10.8	11.7
31	4.8	1.5	2.8	---	---	---	10.9	9.4	10.2	12.6	10.8	11.7
MONTH	8.9	0.0	2.6	---	---	---	---	---	---	13.2	5.1	9.7
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	12.5	10.6	11.8	11.0	10.4	10.7	10.8	7.6	9.1	8.8	7.5	8.1
2	12.5	8.7	11.8	11.1	10.5	10.8	10.2	8.9	9.5	8.6	5.7	6.9
3	12.2	8.9	10.7	11.7	10.7	11.2	10.3	8.9	9.4	9.5	6.3	7.9
4	11.9	10.2	11.3	11.2	9.6	10.4	10.0	7.2	9.2	---	---	---
5	11.9	11.2	11.5	12.5	9.5	10.6	9.6	6.5	7.6	---	---	---
6	11.8	11.0	11.4	11.7	8.6	9.4	9.2	5.0	7.0	---	---	---
7	11.9	10.1	11.0	11.9	8.1	9.4	---	---	---	---	---	---
8	11.4	10.5	10.8	11.0	8.5	9.3	---	---	---	---	---	---
9	10.8	10.1	10.4	10.7	9.1	9.8	---	---	---	---	---	---
10	11.2	10.2	10.5	11.2	8.2	10.0	---	---	---	---	---	---
11	11.1	10.6	10.8	11.5	7.5	9.9	---	---	---	---	---	---
12	11.8	10.2	11.0	10.6	8.8	10.1	---	---	---	9.3	2.3	5.6
13	11.9	9.9	10.4	10.5	9.3	9.9	---	---	---	8.2	4.2	6.6
14	12.1	9.7	11.0	10.7	10.1	10.4	---	---	---	8.2	1.1	5.7
15	12.2	8.6	9.9	11.0	7.5	9.9	---	---	---	9.1	0.3	3.4
16	12.7	7.7	10.8	11.2	7.3	9.1	---	---	---	5.8	0.2	1.4
17	11.9	8.2	8.8	10.5	9.4	10.0	---	---	---	9.0	0.3	5.3
18	12.1	8.0	10.9	11.5	9.1	10.6	---	---	---	10.6	2.2	8.1
19	12.1	9.5	10.7	11.7	9.0	10	---	---	---	9.1	4.6	7.5
20	11.7	10.1	10.7	9.7	8.6	9.2	---	---	---	8.4	4.1	6.8
21	11.5	9.2	10.6	11.2	8.6	9.1	7.0	6.2	6.6	9.9	7.6	8.4
22	11.4	8.3	10.2	11.9	7.2	9.0	6.7	5.2	6.1	9.3	3.8	7.8
23	11.4	8.8	10.5	11.8	7.0	10.1	9.5	4.2	7.1	10.4	2.6	6.8
24	11.0	10.3	10.7	11.2	6.5	7.4	9.2	4.4	7.6	10.0	1.3	4.8
25	10.7	9.1	10.2	12.4	5.8	8.4	9.5	7.7	8.6	8.9	1.8	7.2
26	10.9	9.5	10.4	11.6	4.5	8.0	9.6	7.0	8.5	9.4	5.9	7.5
27	11.5	9.2	10.2	10.3	3.9	6.6	10.4	3.9	8.1	7.3	4.3	5.7
28	11.2	10.2	10.8	11.9	4.2	8.5	9.6	5.5	8.1	7.7	2.4	3.9
29	---	---	---	11.4	9.1	10.3	9.5	6.2	7.5	3.6	0.7	2.4
30	---	---	---	10.7	6.2	8.3	9.1	6.1	7.9	2.6	0.6	1.6
31	---	---	---	12.1	7.4	10.5	---	---	---	2.6	0.0	0.9
MONTH	12.7	7.7	10.7	12.5	3.9	9.6	---	---	---	---	---	---



## 0208453300 PAMLICO RIVER AT LIGHT 5—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	7.9	0.0	4.4	6.3	0.3	2.2	9.3	0.0	4.0	6.3	2.3	4.6
2	7.4	1.1	6.6	8.4	0.1	1.4	9.4	0.0	6.0	2.6	0.1	0.9
3	10.6	3.3	6.7	6.4	0.0	2.3	10.4	0.0	5.4	7.3	0.1	1.6
4	3.5	1.0	2.2	8.0	0.6	4.4	9.4	0.0	1.2	7.7	0.2	5.3
5	6.1	0.5	2.1	7.2	1.1	4.6	4.4	0.0	0.5	7.1	4.5	5.8
6	4.9	0.2	1.6	6.9	0.1	5.0	3.4	0.0	0.2	7.3	5.2	6.1
7	4.9	0.1	1.2	7.0	0.1	2.0	4.4	0.0	0.3	7.6	5.3	6.3
8	4.9	0.0	1.0	6.9	0.0	4.1	3.9	0.0	0.8	7.9	3.7	6.4
9	4.8	0.1	1.3	6.6	0.6	2.9	6.0	0.0	1.9	10.0	4.9	7.3
10	6.2	0.0	2.0	7.0	0.0	1.4	4.8	0.0	1.4	7.8	6.0	7.0
11	6.8	1.9	4.7	5.0	0.0	0.4	6.9	0.1	1.2	---	---	---
12	6.8	2.3	4.8	7.6	0.0	2.0	2.8	0.1	0.7	---	---	---
13	6.5	1.6	3.7	6.2	0.0	2.8	3.1	0.1	0.4	---	---	---
14	6.8	0.0	2.6	4.2	1.2	2.5	3.6	0.1	0.8	---	---	---
15	5.2	0.0	0.5	4.6	0.5	2.3	7.0	0.1	1.3	---	---	---
16	0.3	0.0	0.1	7.5	0.1	3.3	5.0	0.1	1.0	---	---	---
17	1.8	0.0	0.2	7.5	0.1	1.5	7.0	0.8	4.6	---	---	---
18	4.4	0.0	0.4	6.2	0.0	1.0	7.6	0.5	4.9	---	---	---
19	6.8	0.0	5.4	2.6	0.0	0.3	9.6	2.7	5.2	---	---	---
20	6.9	5.7	6.3	0.5	0.0	0.0	8.7	0.0	4.3	4.7	0.2	2.1
21	6.9	2.1	5.5	0.2	0.0	0.0	3.9	0.0	0.7	8.0	0.0	1.6
22	7.7	2.7	5.3	7.2	0.0	0.2	5.9	0.0	0.9	6.5	0.0	2.1
23	7.3	1.1	3.6	6.1	0.0	0.3	1.8	0.0	0.1	5.5	0.0	2.5
24	8.3	2.0	5.7	0.2	0.0	0.0	4.4	0.0	0.5	6.5	0.0	1.2
25	7.7	5.9	6.9	3.2	0.0	0.2	7.8	3.9	5.7	6.1	0.0	2.9
26	7.9	6.3	6.9	0.3	0.0	0.0	10.3	5.5	7.0	6.0	1.7	4.4
27	7.1	3.3	5.5	1.0	0.0	0.0	8.0	6.4	7.4	8.2	0.0	4.3
28	6.2	1.4	4.0	0.3	0.0	0.0	8.4	5.8	7.0	7.0	0.0	3.6
29	6.2	1.1	2.3	6.2	0.0	3.0	7.6	6.5	7.1	9.1	4.8	6.8
30	6.9	3.0	4.9	7.2	0.0	4.4	7.0	3.1	5.3	6.3	0.6	5.0
31	---	---	---	7.2	0.0	4.8	6.9	3.0	5.1	---	---	---
MONTH	10.6	0.0	3.6	8.4	0.0	1.9	10.4	0.0	3.0	---	---	---

## PAMLICO RIVER BASIN

0208453300 PAMLICO RIVER AT LIGHT 5—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	98	77	85	103	49	86	116	96	107	153	108	122
2	110	79	93	104	78	89	114	84	98	148	117	130
3	109	78	93	97	56	86	113	96	102	153	119	130
4	129	86	104	---	---	---	134	92	104	143	115	131
5	111	95	103	97	69	84	142	95	108	124	105	117
6	115	89	98	100	76	90	118	76	95	125	106	114
7	125	91	101	---	---	---	128	78	100	121	100	110
8	123	93	104	102	98	100	---	---	---	127	103	114
9	116	98	105	105	98	102	120	85	102	124	107	114
10	120	99	109	---	---	---	---	---	---	140	110	120
11	117	100	107	---	---	---	116	101	107	139	118	127
12	120	85	106	---	---	---	113	94	104	145	121	131
13	107	24	83	112	101	104	112	95	102	136	92	119
14	110	52	82	---	---	---	113	97	101	107	87	96
15	103	72	92	123	104	112	107	96	102	101	85	91
16	123	75	91	127	112	119	117	100	105	99	85	91
17	131	89	108	---	---	---	122	103	110	104	87	96
18	119	87	108	---	---	---	129	78	109	108	88	96
19	130	94	110	---	---	---	135	75	107	111	89	99
20	118	97	105	---	---	---	99	89	93	106	91	97
21	102	93	98	---	---	---	125	90	96	103	93	98
22	100	87	95	---	---	---	108	95	100	106	89	95
23	116	88	95	---	---	---	106	98	102	99	83	87
24	104	74	91	131	81	112	110	97	100	92	83	86
25	113	60	88	116	88	106	106	96	99	91	84	88
26	95	55	78	117	100	106	111	95	99	95	87	91
27	118	41	77	115	99	106	105	95	98	93	89	92
28	111	23	55	117	102	110	119	93	100	92	89	90
29	105	48	80	113	100	108	108	98	103	95	88	91
30	110	77	98	119	95	111	111	101	105	94	86	92
31	110	70	92	---	---	---	129	104	109	93	88	91
MONTH	131	23	95	---	---	---	---	---	---	153	83	105
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	93	90	92	96	89	92	121	100	111	96	80	88
2	96	89	93	111	83	90	108	93	101	100	71	90
3	102	90	94	105	79	94	104	92	97	110	71	88
4	96	87	94	118	94	103	103	94	99	---	---	---
5	97	90	92	111	95	106	105	85	98	---	---	---
6	98	87	94	116	97	108	99	88	94	---	---	---
7	99	88	94	111	95	106	96	87	92	---	---	---
8	103	77	96	106	64	89	97	82	90	---	---	---
9	107	87	96	97	72	87	92	86	88	---	---	---
10	106	87	98	103	87	95	107	87	96	---	---	---
11	93	80	89	109	89	100	114	93	103	---	---	---
12	97	85	92	96	84	90	108	95	102	126	42	104
13	102	89	96	101	88	94	97	92	94	93	61	85
14	103	91	98	98	92	94	96	88	92	116	79	93
15	125	98	105	115	92	103	99	92	95	121	88	99
16	125	100	112	113	89	105	104	94	99	116	12	93
17	117	103	111	94	85	90	113	98	105	116	72	97
18	111	99	105	108	89	97	119	95	109	127	87	102
19	114	92	103	120	106	111	118	106	112	107	94	102
20	107	91	103	139	106	124	129	99	116	108	88	95
21	106	99	102	134	81	117	112	82	98	117	87	98
22	107	98	102	126	105	119	114	80	104	116	96	108
23	107	94	102	118	108	113	105	95	100	127	96	112
24	101	92	97	128	105	114	99	82	90	130	106	116
25	97	89	93	129	110	118	99	80	89	113	93	102
26	106	87	98	128	112	119	98	88	93	109	86	97
27	107	94	102	132	116	121	115	89	102	125	90	110
28	102	89	94	123	100	115	113	88	100	120	93	110
29	---	---	---	118	101	108	105	83	96	123	82	104
30	---	---	---	122	86	110	99	78	89	105	69	93
31	---	---	---	123	104	113	---	---	---	102	57	86
MONTH	125	77	98	139	64	105	129	78	98	---	---	---

0208453300 PAMLICO RIVER AT LIGHT 5—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	86	63	80	151	86	107	135	66	98	---	---	---
2	79	46	67	127	47	100	162	87	124	177	79	130
3	117	63	79	114	75	93	179	120	138	126	39	100
4	101	63	83	151	66	102	166	42	128	114	72	87
5	131	13	96	107	78	91	209	45	142	91	57	74
6	129	53	101	127	64	98	168	57	132	98	69	82
7	138	67	108	125	55	96	150	20	93	103	73	87
8	134	14	105	109	51	92	101	0	64	112	75	90
9	105	70	89	126	52	92	91	29	69	149	71	105
10	105	49	76	150	29	99	187	35	83	113	88	102
11	86	58	72	145	76	119	199	13	139	---	---	---
12	86	53	71	129	87	108	180	14	116	---	---	---
13	96	59	78	108	48	73	203	33	108	---	---	---
14	106	82	93	101	35	59	222	57	108	---	---	---
15	119	74	97	108	70	83	187	90	127	---	---	---
16	113	79	101	160	82	111	121	33	84	---	---	---
17	90	32	74	137	92	113	111	55	78	---	---	---
18	110	7	83	112	87	98	109	57	80	---	---	---
19	87	35	74	125	76	101	209	50	92	---	---	---
20	85	68	77	123	79	102	178	46	107	150	46	96
21	102	69	84	144	90	109	202	52	143	116	11	82
22	111	71	93	147	63	102	155	51	117	95	31	76
23	117	43	93	138	52	95	132	39	93	140	58	92
24	132	64	88	130	76	105	107	9	81	115	34	95
25	100	76	89	152	63	107	107	52	77	---	---	---
26	101	79	89	183	83	122	---	---	---	---	---	---
27	127	78	94	152	47	110	---	---	---	---	---	---
28	118	68	94	147	88	125	---	---	---	---	---	---
29	92	50	79	106	57	82	---	---	---	---	---	---
30	147	57	96	110	66	83	---	---	---	94	63	75
31	---	---	---	133	63	83	---	---	---	---	---	---
MONTH	147	7	87	183	29	99	---	---	---	---	---	---

## PAMLICO RIVER BASIN

0208453300 PAMLICO RIVER AT LIGHT 5—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	91	63	80	78	30	43	123	89	106	86	74	80
2	107	76	91	76	21	39	116	82	93	83	76	80
3	92	23	70	62	14	28	101	79	90	84	74	78
4	88	5	53	---	---	---	99	70	74	82	71	77
5	97	0	29	79	49	69	83	67	72	95	73	78
6	102	1	64	79	52	66	71	61	66	102	76	81
7	93	0	24	---	---	---	93	59	64	89	75	80
8	53	0	9	87	71	84	---	---	---	103	73	78
9	101	0	23	87	82	84	74	58	66	77	59	69
10	15	0	0	---	---	---	---	---	---	82	56	61
11	61	0	2	---	---	---	103	46	63	95	51	62
12	6	0	1	---	---	---	107	62	92	71	47	56
13	65	1	25	90	67	85	106	62	94	102	45	65
14	77	10	37	---	---	---	101	79	96	100	45	80
15	83	3	17	93	87	90	103	91	96	98	80	86
16	83	0	34	92	80	85	94	83	87	93	80	86
17	94	0	34	---	---	---	97	72	83	95	78	84
18	73	0	16	---	---	---	84	74	79	91	79	84
19	96	1	35	---	---	---	103	68	75	95	74	81
20	92	0	14	---	---	---	95	77	90	93	71	77
21	1	0	0	---	---	---	105	82	90	78	66	71
22	19	0	1	---	---	---	105	75	90	97	62	69
23	61	0	14	---	---	---	104	68	88	98	74	85
24	75	0	16	82	64	70	99	92	95	83	78	81
25	44	0	9	115	63	92	96	91	94	90	77	82
26	69	0	28	107	91	101	100	90	95	94	77	82
27	49	13	37	104	81	90	95	87	90	101	78	86
28	55	26	40	120	78	100	92	87	89	94	77	88
29	70	28	38	118	101	109	97	86	91	93	80	88
30	65	24	31	131	86	100	89	83	85	95	81	87
31	51	16	30	---	---	---	86	75	81	95	81	88
MONTH	107	0	29	---	---	---	---	---	---	103	45	78
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	94	80	89	94	89	91	109	74	90	93	79	85
2	94	66	89	93	87	90	104	90	97	91	60	73
3	93	68	82	97	88	92	102	89	93	101	66	83
4	91	78	86	93	80	86	99	71	91	---	---	---
5	91	86	88	106	79	87	97	64	75	---	---	---
6	92	84	87	99	72	78	93	49	70	---	---	---
7	93	78	85	102	68	79	---	---	---	---	---	---
8	89	81	84	97	71	80	---	---	---	---	---	---
9	85	79	81	91	77	83	---	---	---	---	---	---
10	92	80	84	96	70	85	---	---	---	---	---	---
11	88	84	86	98	64	85	---	---	---	---	---	---
12	94	81	87	92	75	87	---	---	---	102	24	60
13	96	79	83	92	80	86	---	---	---	91	45	73
14	99	77	88	94	88	90	---	---	---	91	12	62
15	100	69	80	96	65	86	---	---	---	104	3	37
16	109	62	89	98	64	79	---	---	---	65	2	15
17	103	67	72	89	81	86	---	---	---	103	3	59
18	103	66	93	99	77	90	---	---	---	123	24	93
19	102	80	91	101	78	86	---	---	---	103	52	85
20	99	86	91	84	74	79	---	---	---	96	47	77
21	101	78	91	100	74	79	65	58	61	113	85	95
22	99	71	88	110	63	80	65	49	57	106	43	88
23	100	76	91	111	61	93	101	41	72	120	29	77
24	96	90	94	105	58	67	94	43	77	115	15	55
25	92	79	88	118	52	78	96	77	86	102	20	82
26	93	82	89	110	41	74	96	70	85	106	66	83
27	98	79	87	97	36	61	107	39	82	82	48	64
28	96	87	92	115	38	81	98	55	82	87	27	44
29	---	---	---	112	88	99	97	62	75	40	8	27
30	---	---	---	104	59	80	93	62	81	29	7	18
31	---	---	---	122	71	104	---	---	---	29	0	10
MONTH	109	62	87	122	36	84	---	---	---	---	---	---

## 0208453300 PAMLICO RIVER AT LIGHT 5—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	90	0	50	79	4	27	121	0	53	82	30	60
2	83	12	74	109	1	17	123	0	78	34	1	12
3	122	37	75	81	1	34	137	0	71	95	1	21
4	39	11	25	103	8	56	124	0	15	99	3	69
5	71	6	24	93	14	59	58	0	7	90	57	73
6	57	2	18	90	1	64	45	0	3	91	65	77
7	58	1	14	92	1	26	59	0	4	95	65	78
8	59	0	12	91	0	54	51	0	11	98	46	79
9	58	1	16	87	8	38	78	0	24	125	60	91
10	77	0	24	92	0	18	62	0	19	97	73	85
11	85	23	59	66	0	6	90	1	15	---	---	---
12	86	28	60	101	0	26	37	1	9	---	---	---
13	82	20	47	81	0	37	41	1	5	---	---	---
14	86	0	32	54	15	33	48	1	11	---	---	---
15	66	0	6	59	6	30	96	1	17	---	---	---
16	4	0	0	97	1	42	68	1	14	---	---	---
17	23	0	2	97	1	19	94	11	61	---	---	---
18	56	0	5	82	0	13	101	7	66	---	---	---
19	85	0	68	34	0	4	127	35	68	---	---	---
20	85	70	78	6	0	0	116	0	57	59	2	27
21	84	25	67	3	0	0	52	0	9	102	0	20
22	96	33	65	98	0	3	79	0	12	82	0	26
23	90	13	44	82	0	4	24	0	2	69	0	31
24	102	24	70	3	0	0	58	0	6	82	0	15
25	96	73	85	42	0	3	102	51	74	77	0	36
26	98	78	86	4	0	0	134	70	90	75	21	55
27	88	41	68	13	0	0	103	81	94	103	0	54
28	78	17	50	4	0	0	109	73	90	87	0	45
29	77	14	29	83	0	39	99	83	92	114	59	84
30	86	37	61	95	0	58	91	40	69	78	7	61
31	---	---	---	94	0	63	90	39	66	---	---	---
MONTH	122	0	44	109	0	25	137	0	39	---	---	---