

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. 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. Salinity, minimum extremes are reported as <0.1 ppt. Dissolved oxygen, minimum extremes are reported as <1.0 mg/L. Dissolved oxygen, percent saturation, minimum extremes are reported as <10%.

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	9.2, August 4, 2001, September 22, 2001	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	30.5, July 24, 1999	0.1, January 24, 2003
DISSOLVED OXYGEN (TOP), mg/L	18.5, February 5, 1991	<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	11.2, July 26	<0.1, December 21
SALINITY (BOTTOM), ppt	15.7, July 16, 17	0.1, December 17, 18, 21, September 18
pH (TOP), standard units	9.2, September 22	6.6, May 20, June 4, 9
pH (BOTTOM), standard units	9.1, May 20, 22	6.4, May 8, 9, 10, 11, 23, 24
WATER TEMPERATURE (TOP), °C	31.8, July 10	2.4, February 2
WATER TEMPERATURE (BOTTOM), °C	29.5, August 2	2.6, February 2
DISSOLVED OXYGEN (TOP), mg/L	14.2, February 5	<1.0, October 7, 8, December 7, July 8
DISSOLVED OXYGEN (BOTTOM), mg/L	13.7, February 2, 5, 6	<1.0, on many days during the year
DISSOLVED OXYGEN, PERCENT SATURATION (TOP),%	144, August 23	<10, October 7, July 8
DISSOLVED OXYGEN, PERCENT SATURATION (BOTTOM),%	122, June 1	<10, 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 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	2.5	1.1	1.8	2.0	0.4	1.1	3.0	2.1	2.7	2.7	2.5	2.6
2	1.8	1.3	1.6	2.5	0.6	1.7	3.1	2.1	2.6	2.8	2.4	2.6
3	2.7	1.7	2.1	4.0	0.7	2.5	4.0	2.1	3.3	2.9	1.9	2.2
4	2.6	1.1	1.5	3.2	0.6	1.5	4.0	3.2	3.5	5.6	1.8	3.4
5	1.8	1.1	1.3	2.1	0.5	0.9	3.7	2.6	3.0	6.8	4.4	5.4
6	3.6	1.1	1.7	2.5	0.3	1.1	3.2	2.7	2.9	6.0	4.9	5.4
7	4.3	1.3	2.3	6.0	0.6	1.8	2.9	2.0	2.4	6.6	5.6	6.0
8	4.3	2.0	2.8	3.0	1.7	2.5	2.8	2.0	2.3	---	---	---
9	3.4	2.5	2.8	2.9	2.5	2.7	5.0	1.7	3.0	---	---	---
10	3.3	2.8	3.0	2.9	2.6	2.8	4.2	2.7	3.2	---	---	---
11	3.0	2.8	2.9	2.8	1.3	2.2	3.8	2.8	3.1	---	---	---
12	2.9	2.1	2.6	2.7	1.2	1.8	3.1	1.5	2.3	---	---	---
13	3.7	2.2	2.7	3.0	2.2	2.5	3.0	1.4	2.1	---	---	---
14	3.8	2.7	3.0	2.4	1.4	2.0	3.3	0.9	1.7	---	---	---
15	3.3	2.7	3.0	2.5	2.1	2.3	1.4	0.6	1.1	6.5	6.0	6.2
16	3.2	2.7	2.9	2.5	1.9	2.2	1.3	0.4	0.8	6.4	6.0	6.1
17	3.2	2.5	2.9	2.4	1.5	1.9	0.9	0.1	0.3	6.6	5.7	6.0
18	2.9	2.2	2.4	4.7	1.5	2.5	1.3	0.1	0.5	6.9	5.6	6.3
19	2.8	2.2	2.4	3.9	2.7	3.2	1.0	0.1	0.3	6.5	6.0	6.3
20	3.4	2.2	2.6	3.8	2.5	2.7	1.4	0.2	0.4	6.2	5.3	5.9
21	3.1	2.3	2.6	2.7	2.1	2.4	0.3	0.0	0.2	6.1	4.8	5.2
22	3.0	2.6	2.7	2.7	1.6	1.9	0.7	0.2	0.4	6.2	3.9	4.7
23	3.8	2.2	2.8	4.4	1.7	2.7	0.6	0.3	0.3	6.0	3.8	4.5
24	4.3	2.4	3.3	4.2	1.9	2.5	0.9	0.1	0.4	6.4	4.6	5.3
25	4.2	3.3	3.6	3.0	1.9	2.4	1.6	0.2	0.6	5.7	5.3	5.4
26	3.9	3.0	3.4	2.6	2.1	2.3	1.7	0.9	1.3	5.4	5.2	5.3
27	3.8	2.9	3.5	2.9	2.0	2.4	1.2	0.8	1.0	5.2	4.7	5.0
28	3.6	2.9	3.4	4.1	2.2	2.9	2.0	0.8	1.0	5.0	4.1	4.6
29	3.3	2.3	2.8	3.4	1.6	2.4	2.7	0.7	1.3	5.3	4.6	4.9
30	2.9	1.7	2.3	3.2	2.1	2.7	4.4	0.7	2.3	5.3	4.7	5.1
31	1.7	1.1	1.4	---	---	---	3.5	2.4	2.7	5.1	4.1	4.5
MONTH	4.3	1.1	2.6	6.0	0.3	2.2	5.0	0.0	1.7	---	---	---
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	5.4	4.0	4.6	2.9	0.5	1.0	3.1	2.3	2.8	2.9	2.3	2.6
2	5.5	4.8	5.2	3.3	1.2	2.1	3.0	1.6	2.5	2.6	2.0	2.4
3	5.7	4.2	4.8	6.0	1.8	2.3	2.8	1.6	2.0	2.4	1.2	2.2
4	5.2	3.7	4.4	2.5	1.7	2.0	2.8	1.5	2.0	2.3	0.9	1.5
5	5.1	3.7	4.5	2.5	1.8	2.1	2.8	1.0	1.8	3.1	0.9	1.5
6	5.1	3.7	4.5	5.5	2.4	3.4	3.5	2.0	2.5	3.0	0.9	1.3
7	4.3	3.1	3.9	6.8	2.2	3.9	3.4	2.0	2.7	1.7	0.6	1.0
8	5.2	2.2	3.5	3.6	2.5	3.1	5.7	2.1	3.0	1.6	0.5	1.0
9	4.9	2.5	3.7	5.1	3.1	4.0	7.1	2.7	3.3	2.2	0.7	1.1
10	3.0	1.7	2.2	4.6	3.4	4.1	4.4	2.9	3.7	2.0	0.8	1.1
11	2.1	1.3	1.6	4.8	3.2	3.8	4.4	3.1	3.7	2.3	0.7	1.2
12	2.8	1.4	2.3	4.8	3.1	3.7	3.8	3.7	3.8	2.4	1.0	1.3
13	2.5	1.2	1.8	4.6	2.6	3.5	4.0	2.9	3.7	1.3	1.1	1.2
14	1.6	0.8	1.1	4.2	3.0	3.7	3.9	2.7	3.2	1.8	1.2	1.4
15	5.0	0.7	1.9	3.9	3.1	3.5	4.2	2.5	2.9	2.6	1.2	1.5
16	5.0	1.2	2.5	3.7	2.9	3.3	4.2	2.0	2.8	2.4	1.2	1.5
17	3.6	1.5	2.1	3.4	2.1	2.8	3.4	2.0	2.3	2.9	1.7	2.0
18	3.6	1.5	2.2	4.6	2.2	2.9	2.3	1.6	2.1	2.6	1.9	2.1
19	2.5	1.3	1.7	4.4	2.4	3.1	2.0	1.6	1.7	2.6	2.1	2.3
20	3.0	1.4	1.9	3.9	2.9	3.3	2.1	1.5	1.8	2.5	2.0	2.3
21	2.8	1.8	2.4	3.6	2.8	3.0	3.4	1.5	2.0	2.8	1.9	2.2
22	2.5	2.0	2.1	2.9	1.5	2.1	2.5	1.9	2.1	3.1	2.1	2.6
23	3.1	2.1	2.3	4.3	1.7	2.7	2.2	1.7	2.0	3.5	2.7	3.1
24	2.8	2.3	2.6	3.8	1.4	2.1	3.1	1.5	1.9	4.9	3.1	3.5
25	2.9	2.3	2.7	2.9	1.6	2.2	3.2	2.1	2.6	3.5	3.2	3.3
26	3.7	2.7	3.0	3.2	1.5	1.9	2.4	1.9	2.1	3.6	3.1	3.5
27	3.7	2.4	3.2	2.1	1.3	1.5	2.3	1.6	1.9	3.9	3.1	3.5
28	2.4	1.6	2.0	3.8	1.2	2.4	3.2	1.6	1.9	4.2	3.5	3.8
29	1.6	0.6	0.9	3.8	3.2	3.5	3.6	1.5	2.2	4.9	4.0	4.3
30	---	---	---	3.4	2.4	2.9	2.8	1.9	2.4	4.7	4.3	4.5
31	---	---	---	3.4	2.6	3.0	---	---	---	4.7	4.1	4.5
MONTH	5.7	0.6	2.8	6.8	0.5	2.9	7.1	1.0	2.5	4.9	0.5	2.3

0208453300 PAMLICO RIVER AT LIGHT 5—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	4.7	4.5	4.5	6.9	6.0	6.5	11.0	10.2	10.6	2.4	1.4	1.8
2	4.7	4.5	4.6	6.8	5.7	6.3	10.9	10.2	10.5	2.4	1.7	2.0
3	5.1	4.5	4.7	6.8	5.8	6.2	10.7	9.9	10.4	1.8	1.4	1.5
4	5.2	4.2	4.8	7.2	5.6	6.4	10.5	9.7	10.1	2.0	1.0	1.2
5	4.6	4.2	4.4	6.7	5.4	5.9	10.2	7.6	8.7	1.2	0.8	1.0
6	5.0	4.4	4.6	7.0	5.2	5.8	9.5	7.5	8.2	2.7	0.7	1.2
7	4.8	4.3	4.6	7.1	5.2	5.9	9.7	7.5	8.4	1.6	0.7	0.9
8	4.9	4.5	4.8	10.9	5.4	7.0	10.4	6.8	8.3	1.2	0.2	0.8
9	4.8	4.1	4.4	6.7	5.8	6.1	10.0	6.8	8.3	0.7	0.2	0.5
10	4.8	4.2	4.4	8.5	6.2	6.8	10	6.5	8.1	1.0	0.3	0.6
11	4.9	4.1	4.3	8.5	6.6	7.3	9.4	7.0	7.8	0.7	0.6	0.7
12	5.9	4.3	5.0	8.6	7.3	7.6	9.1	7.1	7.7	0.7	0.4	0.6
13	5.9	5.3	5.5	8.0	7.3	7.6	9.2	6.5	7.7	0.8	0.5	0.6
14	5.5	5.1	5.3	8.2	7.3	7.9	9.2	6.4	7.7	1.0	0.4	0.6
15	5.4	5.0	5.2	9.4	8.1	8.5	7.8	6.4	7.1	0.7	0.4	0.5
16	5.2	4.6	4.9	9.5	8.6	8.9	6.8	5.0	5.8	0.6	0.3	0.4
17	4.8	4.4	4.6	10.7	8.8	9.6	7.8	4.4	5.8	1.2	0.4	0.7
18	4.8	4.1	4.5	10.4	9.7	9.9	7.0	3.2	4.4	0.6	0.1	0.3
19	5.1	4.2	4.8	10.7	9.9	10.2	6.1	1.3	3.1	2.6	0.3	1.3
20	5.8	4.6	5.1	10.6	10.3	10.4	5.9	1.3	2.6	2.9	0.9	2.1
21	5.7	5.1	5.5	10.7	10.3	10.5	2.9	1.1	1.9	2.4	1.0	1.3
22	5.6	4.9	5.2	10.7	10.4	10.6	3.4	1.1	1.7	1.0	0.4	0.7
23	5.4	5.0	5.2	10.8	10.5	10.6	3.2	1.9	2.5	4.8	0.2	0.5
24	5.4	4.9	5.1	10.7	10.5	10.6	3.4	1.3	2.2	3.8	0.5	1.8
25	5.3	4.6	5.0	10.6	10.5	10.6	3.0	1.3	2.1	2.1	1.4	1.8
26	6.1	4.9	5.5	11.2	10.5	10.6	2.5	1.2	1.7	2.2	1.8	2.0
27	6.8	5.6	6.0	10.9	10.5	10.6	2.5	1.3	1.8	2.5	2.0	2.3
28	6.5	5.7	6.1	10.8	10.5	10.7	1.7	1.2	1.4	2.4	1.0	1.9
29	9.3	6.1	6.7	11.1	10.7	10.9	3.2	1.4	2.0	1.9	0.9	1.5
30	7.1	6.4	6.7	10.9	10.8	10.9	3.0	1.0	1.6	3.2	1.4	1.9
31	---	---	---	11.0	10.3	10.8	2.5	1.1	1.7	---	---	---
MONTH	9.3	4.1	5.1	11.2	5.2	8.7	11.0	1.0	5.5	4.8	0.1	1.2

PAMLICO RIVER BASIN

0208453300 PAMLICO RIVER AT LIGHT 5—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	5.8	3.2	4.6	4.8	4.2	4.6	5.0	2.6	3.1	9.2	7.6	8.4
2	5.6	1.4	2.9	4.9	3.5	4.7	4.1	2.2	2.8	9.3	8.0	8.9
3	5.4	1.7	3.0	5.1	4.3	4.8	4.1	2.6	3.4	10	9.1	9.6
4	5.0	1.9	3.7	5.0	4.3	4.6	3.9	3.1	3.6	10.2	6.2	9.5
5	5.4	1.2	4.5	5.5	3.9	4.9	3.7	2.5	3.0	10.6	6.4	9.6
6	5.1	4.0	4.9	5.9	4.1	5.3	3.4	2.6	3.0	10.4	5.6	8.9
7	6.8	4.8	5.5	6.2	4.5	5.7	4.1	2.0	3.0	8.1	5.6	6.4
8	6.6	2.5	4.7	5.7	2.8	4.8	4.7	4.1	4.4	---	---	---
9	6.4	2.6	4.3	5.4	2.6	3.0	5.2	3.2	4.8	---	---	---
10	3.3	2.9	3.1	3.4	2.6	2.8	4.9	3.8	4.3	---	---	---
11	3.1	2.9	3.0	5.3	2.8	4.4	3.8	2.8	3.1	---	---	---
12	5.2	2.9	3.4	5.0	2.8	3.9	4.9	2.3	3.5	---	---	---
13	5.7	2.8	4.0	4.0	2.2	2.7	5.3	1.8	3.8	---	---	---
14	4.7	2.9	4.1	2.6	1.7	2.1	3.6	0.9	2.2	---	---	---
15	3.8	2.8	3.1	2.6	2.2	2.4	1.9	0.6	1.3	6.5	5.8	6.1
16	3.4	2.8	3.2	5.5	2.5	3.5	2.3	1.0	1.7	6.3	5.9	6.0
17	3.4	2.9	3.2	6.2	2.5	5.0	2.2	0.1	1.0	6.7	5.7	6.3
18	3.7	2.2	2.8	6.2	4.3	5.6	2.7	0.1	1.3	6.8	6.0	6.4
19	4.0	2.4	3.3	5.2	2.8	4.0	3.4	0.2	1.4	6.4	6.0	6.2
20	4.3	2.8	3.8	3.8	2.4	3.0	3.4	0.2	0.7	6.2	5.7	5.9
21	4.2	2.8	3.3	4.1	2.9	3.6	3.1	0.1	1.4	6.6	5.7	6.4
22	3.2	2.6	2.8	4.5	2.1	3.8	5.3	1.1	3.2	6.7	4.7	6.2
23	4.4	2.6	3.8	5.0	3.3	4.3	6.0	3.4	5.2	6.0	4.4	5.1
24	4.4	2.8	3.9	5.6	2.8	4.5	5.8	1.2	4.2	6.5	4.9	5.5
25	4.3	3.5	3.9	5.6	2.0	3.9	6.5	1.6	5.1	5.6	5.1	5.3
26	4.0	3.3	3.8	6.2	3.1	4.8	7.9	6.1	7.1	5.4	5.1	5.2
27	4.0	3.3	3.8	6.3	3.6	5.3	8.4	7.7	8.1	5.1	4.6	5.0
28	3.8	2.9	3.5	5.7	2.6	4.5	8.3	7.7	8.1	5.5	4.0	4.6
29	3.7	2.5	3.0	3.6	1.6	2.7	8.3	6.5	7.8	6.0	4.9	5.4
30	4.6	2.7	3.7	5.2	2.6	3.7	9.3	1.9	6.9	6.2	4.8	5.2
31	4.6	2.8	4.3	---	---	---	9.3	6.8	8.3	6.2	4.1	4.9
MONTH	6.8	1.2	3.7	6.3	1.6	4.1	9.3	0.1	3.9	---	---	---
	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.3	5.3	5.9	5.0	2.9	4.7	3.1	2.3	2.8	2.9	2.4	2.7
2	5.9	4.8	5.3	5.2	2.6	4.2	3.0	1.9	2.7	2.7	2.3	2.5
3	5.8	4.3	5.2	6.4	2.8	5.0	3.6	1.7	2.3	2.4	1.2	2.2
4	5.6	3.8	4.8	5.7	2.4	4.5	3.7	1.6	2.5	2.7	1.2	2.0
5	5.4	4.7	5.0	6.5	4.2	5.9	3.5	1.0	2.4	3.3	1.3	2.5
6	5.2	4.0	4.7	7.2	4.1	5.3	5.0	2.5	3.6	3.9	0.9	2.0
7	4.4	3.1	3.9	7.0	3.5	5.4	5.7	2.6	4.3	3.2	1.1	2.0
8	5.3	2.5	4.0	4.9	2.5	3.5	6.5	3.4	5.4	3.5	1.2	2.8
9	5.3	3.4	4.8	5.4	3.8	4.9	7.3	4.3	6.2	3.6	1.7	2.8
10	5.5	2.6	4.3	4.6	3.5	4.2	6.0	3.7	4.7	5.2	1.8	3.5
11	6.2	2.5	5.2	5.1	3.3	4.3	4.4	3.4	3.9	5.9	3.2	4.8
12	5.9	2.6	4.8	5.1	3.5	4.2	3.9	3.7	3.8	5.7	3.3	5.2
13	6.2	2.5	5.5	5.5	3.3	4.2	4.0	3.2	3.8	5.9	3.7	5.1
14	6.1	5.0	6.0	4.7	3.6	4.1	3.9	3.0	3.3	6.4	4.2	5.0
15	6.2	3.7	5.5	4.5	3.3	3.8	4.2	2.6	3.0	6.8	3.6	5.2
16	5.0	1.4	3.5	4.4	3.0	3.7	4.5	2.7	3.8	7.1	3.8	5.4
17	4.7	1.6	3.4	4.2	2.8	3.5	4.5	3.1	3.9	6.7	3.4	5.1
18	4.7	1.7	3.0	4.9	3.3	4.2	4.5	2.2	3.6	6.3	3.1	4.4
19	4.5	1.9	3.4	4.6	2.4	3.4	5.2	2.1	4.3	6.4	2.9	5.2
20	5.9	2.2	4.8	4.1	2.9	3.5	5.2	1.8	3.2	7.3	4.1	6.3
21	5.0	2.2	3.0	3.7	2.8	3.1	5.1	2.4	3.9	7.1	5.2	6.7
22	7.9	2.0	4.3	4.3	2.4	3.3	4.7	2.3	3.4	7.2	5.7	6.9
23	5.9	2.2	4.2	4.5	2.3	3.8	4.8	2.0	3.2	7.0	3.1	6.2
24	3.7	2.4	2.7	4.5	2.6	3.9	5.0	1.6	3.2	7.3	3.9	6.6
25	5.2	2.3	2.8	4.2	2.0	3.1	4.5	2.3	3.2	7.3	4.1	6.8
26	3.6	2.7	3.0	3.9	2.0	3.1	3.0	1.9	2.6	7.1	3.5	6.7
27	3.7	2.4	3.2	3.7	1.6	2.7	2.6	1.7	1.9	7.0	3.3	5.2
28	4.4	2.0	2.4	3.8	2.1	3.1	4.0	1.6	2.5	6.8	3.8	5.1
29	4.7	3.1	4.3	3.8	3.2	3.5	4.3	2.2	3.3	7.2	4.1	5.6
30	---	---	---	3.6	2.4	3.0	3.4	2.2	2.9	6.2	4.6	5.0
31	---	---	---	4.0	2.6	3.4	---	---	---	5.3	4.2	4.7
MONTH	7.9	1.4	4.2	7.2	1.6	4.0	7.3	1.0	3.5	7.3	0.9	4.6

0208453300 PAMLICO RIVER AT LIGHT 5—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	4.8	4.5	4.6	11.3	7.1	9.1	11.1	10.5	10.8	5.0	2.6	4.0
2	5.7	4.5	4.8	11.3	7.1	9.8	10.9	10.3	10.6	5.7	1.9	3.1
3	5.9	4.6	5.1	11.8	6.9	10.8	10.7	9.9	10.4	5.6	1.5	3.2
4	5.4	4.3	5.0	11.4	7.3	10.3	10.9	9.8	10.2	5.7	1.4	4.3
5	4.7	4.3	4.5	12.3	6.4	10.1	10.8	8.3	10.0	5.5	3.1	4.7
6	5.2	4.4	4.9	13.4	10.7	12.5	10.7	7.6	9.2	4.9	1.2	3.4
7	5.5	4.4	4.8	13.4	11.3	12.9	10.9	9.5	10.4	4.4	1.0	2.7
8	5.6	4.6	4.9	13.3	11.8	12.8	11.3	10	10.8	1.9	0.3	1.1
9	5.6	4.1	4.7	13.7	12.2	13.1	11.1	10.4	10.8	1.9	0.3	0.9
10	7.1	4.2	5.0	13.8	13.5	13.6	11.0	9.8	10.7	2.3	0.4	0.9
11	8.1	4.2	6.4	13.7	12.2	13.4	10.6	9.3	10.1	3.3	0.6	1.1
12	8.2	4.5	5.7	13.3	9.8	12.9	10.7	7.8	9.8	5.1	0.5	2.2
13	6.5	5.3	5.7	14.3	12.4	13.1	10.8	6.6	8.9	5.7	0.5	1.8
14	6.2	5.2	5.5	15.1	13.9	14.4	9.8	6.4	8.4	1.1	0.4	0.7
15	5.8	5.2	5.4	15.6	14.3	15.1	8.8	6.5	7.7	1.8	0.5	0.7
16	6.7	5.0	5.7	15.7	15.3	15.6	9.5	5.1	8.0	5.9	0.5	2.1
17	8.1	4.7	5.7	15.7	13.8	15.5	9.6	7.0	9.1	3.9	0.6	2.4
18	8.5	4.2	6.8	15.5	10.7	14.3	9.3	5.9	8.2	0.8	0.1	0.3
19	9.9	5.6	8.8	14.7	10.3	13.7	9.3	6.8	8.5	2.8	0.4	1.7
20	9.8	5.3	8.3	14.5	10.4	12.8	9.7	7.0	8.9	2.8	1.3	2.5
21	8.6	5.5	6.8	13.9	10.5	12.2	9.9	7.6	9.3	5.7	1.0	2.1
22	7.0	5.3	5.8	13.8	10.5	11.9	10.1	8.1	9.7	5.9	1.1	4.3
23	9.2	5.3	6.5	13.5	10.6	11.5	9.8	4.8	8.4	5.7	3.6	5.3
24	9.3	5.3	8.1	12.4	10.6	10.8	9.4	3.6	7.6	5.6	2.7	5.2
25	9.8	5.8	9.2	14.0	10.6	12.6	8.5	2.0	4.6	6.2	2.1	4.5
26	12.2	6.4	9.5	13.6	10.9	12.0	5.4	1.2	2.8	5.4	1.8	3.0
27	12.5	9.1	11.1	12.4	10.6	11.3	6.7	1.3	2.6	3.6	2.0	2.5
28	11.2	5.9	8.7	12.1	10.7	11.3	8.0	1.2	2.9	2.8	1.0	2.0
29	12.1	6.4	9.9	11.7	10.9	11.2	6.7	1.8	3.7	3.3	0.9	1.9
30	11.1	6.7	8.7	11.1	10.9	11.0	3.1	1.0	2.3	3.4	1.8	2.6
31	---	---	---	11.1	10.5	11.0	4.2	1.4	2.7	---	---	---
MONTH	12.5	4.1	6.6	15.7	6.4	12.3	11.3	1.0	8.0	6.2	0.1	2.6

PAMLICO RIVER BASIN

0208453300 PAMLICO RIVER AT LIGHT 5—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	7.4	6.9	7.0	9.0	7.5	8.3	7.8	7.5	7.7	7.4	7.2	7.3
2	7.5	7.1	7.2	8.9	7.2	7.6	7.8	7.6	7.7	7.3	7.2	7.2
3	7.7	7.1	7.3	7.4	7.0	7.2	8.1	7.6	7.8	7.4	7.2	7.2
4	7.6	7.1	7.4	7.7	6.9	7.2	8.0	7.7	7.8	7.2	7.1	7.1
5	7.7	7.1	7.3	8.4	7.0	7.4	7.8	7.6	7.7	7.4	7.1	7.2
6	7.7	6.8	7.2	8.4	7.0	7.4	7.6	7.6	7.6	7.7	7.3	7.5
7	7.4	6.7	7.0	7.5	7.1	7.3	7.7	7.5	7.6	7.4	7.2	7.3
8	7.4	6.7	7.0	7.6	7.4	7.5	8.0	7.6	7.7	---	---	---
9	7.4	7.0	7.2	7.6	7.4	7.5	8.0	7.4	7.7	---	---	---
10	7.4	7.2	7.2	7.8	7.5	7.6	7.9	7.4	7.7	---	---	---
11	7.3	7.2	7.3	8.2	7.7	7.9	7.6	7.4	7.5	---	---	---
12	7.8	7.3	7.5	8.1	7.8	7.9	7.6	7.4	7.5	---	---	---
13	8.5	7.2	7.6	7.9	7.6	7.7	7.9	7.4	7.6	---	---	---
14	7.9	7.1	7.5	7.9	7.6	7.8	7.7	7.4	7.5	---	---	---
15	7.6	7.2	7.3	7.9	7.8	7.9	7.6	7.3	7.4	8.4	8.0	8.2
16	8.1	7.3	7.5	8.5	7.9	8.2	7.5	7.4	7.4	8.4	8.1	8.2
17	8.7	7.3	7.9	8.7	8.0	8.4	7.5	7.2	7.3	8.5	8.2	8.3
18	8.7	7.9	8.3	8.7	7.3	8.1	7.3	7.0	7.2	8.4	8.1	8.3
19	8.6	7.8	8.2	8.3	7.4	7.9	7.1	7.0	7.0	8.3	8.0	8.2
20	8.4	7.5	8.0	7.9	7.4	7.7	7.4	6.9	7.0	8.4	8.1	8.3
21	8.2	7.5	7.9	8.9	7.7	8.1	7.1	6.9	7.0	8.3	8.1	8.2
22	8.1	7.4	7.7	9.0	8.0	8.6	7.0	6.9	7.0	8.3	8.1	8.2
23	8.4	7.5	7.8	8.6	7.2	8.1	7.0	6.9	7.0	8.1	8.0	8.1
24	8.2	7.6	7.8	8.7	7.2	8.1	7.1	6.8	7.0	8.2	7.9	8.0
25	8.0	7.5	7.7	8.6	7.7	8.0	6.9	6.8	6.9	8.0	7.9	8.0
26	8.7	7.2	7.6	8.4	7.6	8.0	7.0	6.9	6.9	7.9	7.8	7.9
27	8.1	7.3	7.6	8.1	7.7	7.9	7.0	7.0	7.0	8.2	7.8	7.9
28	8.2	7.4	7.7	8.1	7.0	7.7	7.3	7.0	7.1	8.0	7.7	7.8
29	8.0	7.6	7.7	7.6	7.2	7.4	7.3	6.9	7.1	8.1	7.7	7.9
30	8.4	7.5	7.7	7.8	7.4	7.6	8.1	7.0	7.3	8.1	7.7	7.9
31	8.8	7.7	8.1	---	---	---	7.4	7.1	7.3	8.1	7.8	8.0
MONTH	8.8	6.7	7.6	9.0	6.9	7.8	8.1	6.8	7.4	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	8.3	7.9	8.1	8.1	7.6	7.8	8.4	7.7	7.9	7.4	6.8	7.0
2	8.3	8.1	8.2	7.8	7.4	7.6	8.2	7.7	7.9	7.3	6.9	7.1
3	8.3	7.8	8.2	8.6	7.0	7.8	8.1	7.6	7.8	7.3	7.0	7.2
4	8.5	7.9	8.2	7.9	7.3	7.5	7.8	7.5	7.7	8.0	7.2	7.4
5	8.5	8.3	8.4	8.1	7.3	7.6	7.6	7.4	7.5	8.3	7.1	7.7
6	8.5	7.7	8.2	7.7	7.1	7.4	8.3	7.4	7.7	8.6	6.7	7.6
7	8.5	7.6	8.1	7.7	7.0	7.4	8.6	7.4	8.1	8.4	6.9	7.7
8	8.6	7.8	8.2	7.4	7.2	7.3	8.6	6.9	8.0	8.3	7.0	7.7
9	8.7	8.0	8.4	7.5	7.1	7.3	8.6	6.7	8.2	8.8	6.8	7.7
10	8.8	8.2	8.5	7.5	7.3	7.4	8.3	7.3	7.7	8.4	7.0	7.7
11	8.8	8.4	8.6	7.6	7.4	7.5	7.7	7.2	7.4	8.9	6.8	7.8
12	8.7	8.3	8.5	8.3	7.3	7.9	7.4	7.2	7.3	8.6	6.8	7.8
13	8.9	8.2	8.6	8.7	7.2	8.0	7.4	7.1	7.2	8.3	7.5	7.9
14	8.8	8.0	8.4	8.3	7.4	7.9	7.4	7.2	7.3	8.3	7.3	7.7
15	8.6	7.3	8.0	8.8	7.5	8.3	7.8	7.3	7.5	7.8	7.0	7.4
16	8.1	7.3	7.8	8.5	7.4	8.0	8.2	7.2	7.6	8.2	7.0	7.3
17	8.0	7.3	7.7	8.5	7.6	8.0	8.2	7.4	7.9	8.2	7.0	7.3
18	7.8	7.4	7.6	8.8	7.1	8.0	8.1	7.7	7.9	8.2	6.8	7.3
19	8.3	7.5	7.9	8.1	7.3	7.7	8.1	7.6	7.8	7.5	6.9	7.2
20	8.0	7.4	7.7	8.7	7.6	8.1	8.2	7.3	7.7	8.2	6.6	7.4
21	7.8	7.5	7.6	8.5	7.6	8.1	8.0	7.2	7.5	7.9	6.9	7.4
22	8.5	7.6	8.0	8.6	7.7	8.1	7.8	7.3	7.6	7.7	6.9	7.4
23	8.8	7.7	8.2	8.9	8.0	8.4	7.9	7.4	7.6	8.0	6.9	7.5
24	8.5	7.8	8.2	8.9	8.1	8.5	8.0	6.8	7.5	8.0	6.8	7.3
25	8.6	7.9	8.2	8.7	8.2	8.4	7.3	7.0	7.2	8.2	7.1	7.7
26	8.2	7.4	7.8	8.7	7.3	8.3	7.4	7.1	7.3	8.1	7.1	7.6
27	7.7	7.4	7.5	8.4	7.6	8.2	7.4	7.1	7.3	7.7	6.8	7.4
28	8.0	7.4	7.7	8.3	7.4	7.8	8.0	6.9	7.4	8.1	7.3	7.5
29	7.8	7.4	7.6	8.1	7.5	7.8	7.9	6.9	7.3	8.0	7.0	7.6
30	---	---	---	8.5	7.7	8.0	7.3	6.9	7.2	7.9	6.8	7.2
31	---	---	---	8.3	7.7	8.1	---	---	---	7.3	6.8	7.0
MONTH	8.9	7.3	8.1	8.9	7.0	7.9	8.6	6.7	7.6	8.9	6.6	7.5

0208453300 PAMLICO RIVER AT LIGHT 5—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.7	6.7	7.1	8.0	7.2	7.5	8.0	7.5	7.7	8.2	7.4	7.7
2	7.9	7.0	7.3	8.1	7.3	7.6	7.9	7.4	7.7	8.6	7.4	8.1
3	8.4	6.7	7.5	8.3	7.1	7.6	7.9	7.4	7.7	8.5	7.7	8.1
4	7.3	6.6	7.0	8.0	6.9	7.4	8.2	7.2	7.7	8.5	7.4	8.1
5	7.7	6.8	7.3	8.3	6.9	7.7	8.3	7.4	7.9	8.6	7.8	8.1
6	7.6	7.0	7.2	8.0	7.3	7.6	8.0	7.6	7.8	8.2	7.2	7.7
7	8.6	6.7	7.2	7.9	7.2	7.5	8.0	7.6	7.8	7.7	7.3	7.4
8	8.4	7.0	7.5	8.3	6.9	7.5	8.1	7.3	7.9	7.6	7.1	7.3
9	8.6	6.6	7.2	8.3	7.6	7.9	8.2	7.7	8.0	7.8	7.1	7.4
10	7.7	6.8	7.2	8.3	7.4	7.9	8.6	7.4	8.0	8.6	7.3	7.8
11	8.3	6.8	7.6	8.0	7.3	7.8	8.5	7.8	8.3	8.2	7.8	8.0
12	7.6	6.9	7.1	8.1	7.3	7.7	8.4	7.6	8.2	8.2	7.6	7.8
13	7.5	7.1	7.3	7.9	7.5	7.7	8.2	7.5	7.9	8.6	7.6	8.1
14	7.5	7.0	7.2	8.1	7.5	7.8	7.8	7.3	7.6	8.4	7.4	7.9
15	7.5	7.2	7.4	8.2	7.4	7.9	7.5	7.2	7.3	8.4	7.4	7.7
16	8.0	7.2	7.4	8.5	7.8	8.2	7.8	7.1	7.3	8.5	7.3	7.9
17	7.7	7.2	7.4	8.3	7.7	8.1	7.9	7.0	7.3	7.6	7.0	7.4
18	8.2	7.3	7.7	8.6	7.7	8.1	7.7	7.0	7.4	7.5	7.1	7.3
19	8.1	7.1	7.5	8.5	7.8	8.2	8.3	7.1	7.5	8.2	7.4	7.7
20	8.0	7.2	7.6	8.4	7.8	8.1	8.0	6.9	7.3	8.3	7.6	7.9
21	7.8	7.3	7.6	8.5	7.8	8.1	7.3	6.8	7.1	8.7	7.9	8.3
22	7.5	7.2	7.4	8.2	7.8	8.0	8.2	6.8	7.1	9.2	8.2	8.7
23	8.1	7.3	7.6	8.0	7.5	7.8	8.9	7.1	7.8	8.9	6.9	8.4
24	8.2	7.1	7.5	8.3	7.3	7.7	8.9	7.0	7.6	8.8	7.0	8.4
25	8.3	7.1	7.8	7.9	7.6	7.7	8.6	7.1	7.7	8.8	7.5	8.0
26	7.7	7.1	7.4	8.0	7.3	7.7	8.1	7.1	7.5	8.6	7.6	8.1
27	7.9	7.2	7.5	7.9	7.6	7.7	8.5	7.2	7.7	8.5	7.9	8.2
28	8.1	7.1	7.6	8.0	7.5	7.8	8.5	7.4	7.7	8.4	7.6	7.8
29	8.4	7.1	7.6	7.8	7.3	7.5	7.9	7.4	7.6	9.0	7.5	8.1
30	8.1	7.4	7.7	7.8	7.4	7.6	7.5	7.3	7.4	8.8	7.0	7.8
31	---	---	---	7.9	7.4	7.6	8.8	7.3	7.8	---	---	---
MONTH	8.6	6.6	7.4	8.6	6.9	7.8	8.9	6.8	7.7	9.2	6.9	7.9

PAMLICO RIVER BASIN

0208453300 PAMLICO RIVER AT LIGHT 5—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.9	6.8	6.8	7.0	6.9	6.9	7.9	7.4	7.7	6.9	6.8	6.8
2	7.4	6.8	7.1	6.9	6.9	6.9	7.8	7.5	7.7	6.8	6.7	6.8
3	7.5	6.8	7.1	6.9	6.9	6.9	7.9	7.5	7.7	6.8	6.7	6.7
4	7.3	6.8	6.9	7.0	6.9	6.9	7.9	7.7	7.8	7.1	6.7	6.8
5	7.2	6.8	6.9	7.0	7.0	7.0	7.8	7.5	7.7	7.2	6.8	6.9
6	6.9	6.8	6.8	7.0	7.0	7.0	7.7	7.5	7.6	7.3	6.7	6.9
7	7.0	6.8	6.9	7.1	7.0	7.0	7.7	7.5	7.6	7.4	6.8	7.1
8	7.2	6.8	6.9	7.4	7.0	7.1	7.6	7.5	7.6	---	---	---
9	7.2	6.8	7.0	7.4	7.0	7.3	7.7	7.5	7.6	---	---	---
10	7.4	7.2	7.2	7.5	7.3	7.4	7.5	7.3	7.4	---	---	---
11	7.3	7.2	7.3	7.4	7.0	7.1	7.6	7.4	7.5	---	---	---
12	7.4	6.9	7.2	7.4	7.0	7.2	7.5	7.3	7.4	---	---	---
13	8.0	6.9	7.1	7.5	7.2	7.4	8.0	7.3	7.5	---	---	---
14	7.6	6.8	7.0	7.8	7.5	7.6	7.7	7.3	7.5	---	---	---
15	7.6	7.0	7.3	7.7	7.6	7.7	7.4	7.2	7.3	8.3	8.0	8.1
16	7.6	7.2	7.4	7.7	7.4	7.5	7.3	7.2	7.3	8.3	8.0	8.2
17	7.6	7.2	7.3	7.7	7.3	7.4	7.3	7.1	7.2	8.2	8.1	8.1
18	8.6	7.2	8.0	7.5	7.2	7.3	7.2	7.0	7.1	8.3	8.0	8.1
19	8.4	7.1	7.5	7.9	7.2	7.4	7.1	6.9	7.0	8.3	8.0	8.1
20	7.7	7.0	7.2	8.1	7.5	7.8	7.2	6.8	7.0	8.3	8.1	8.2
21	8.0	7.0	7.4	8.1	7.4	7.6	7.2	6.9	7.0	8.1	8.0	8.1
22	8.1	7.4	7.7	8.3	7.4	7.5	7.1	6.8	7.0	8.2	7.9	8.0
23	7.9	7.2	7.6	7.5	7.2	7.3	7.1	6.8	7.0	8.1	7.9	8.0
24	7.7	7.5	7.6	7.5	7.1	7.2	7.1	6.9	7.0	8.2	7.8	8.0
25	7.6	7.3	7.5	7.9	7.0	7.3	7.1	6.9	7.0	8.0	7.9	7.9
26	7.5	7.1	7.2	8.0	7.0	7.2	7.1	7.0	7.1	7.9	7.8	7.8
27	7.8	7.2	7.3	7.4	6.9	7.1	7.2	7.0	7.1	8.0	7.8	7.8
28	8.1	7.1	7.5	7.6	7.0	7.2	7.1	7.0	7.1	7.9	7.7	7.8
29	7.8	7.2	7.6	7.7	7.3	7.5	7.0	6.9	7.0	7.9	7.5	7.7
30	7.5	7.0	7.2	7.8	7.4	7.5	7.2	6.8	6.9	8.0	7.4	7.8
31	7.4	6.9	6.9	---	---	---	6.9	6.8	6.9	8.0	7.6	7.8
MONTH	8.6	6.8	7.2	8.3	6.9	7.3	8.0	6.8	7.3	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	8.0	7.3	7.6	7.3	7.1	7.2	8.4	7.8	8.0	7.4	7.0	7.1
2	8.2	7.4	8.0	7.7	7.1	7.3	8.2	7.7	7.9	7.6	7.0	7.3
3	8.2	7.4	7.9	7.5	7.0	7.2	8.1	7.2	7.7	7.5	7.2	7.4
4	8.2	7.4	7.9	7.3	6.9	7.1	7.8	7.1	7.6	7.5	7.3	7.4
5	8.4	7.4	7.9	7.2	7.0	7.0	7.6	7.4	7.5	7.5	6.8	7.1
6	8.4	7.5	8.0	7.4	6.9	7.1	7.6	7.2	7.4	7.8	6.6	7.0
7	8.4	7.6	8.0	7.5	7.0	7.2	8.2	6.9	7.3	7.2	6.5	6.7
8	8.4	7.8	8.1	7.4	7.2	7.3	7.6	6.8	7.0	7.9	6.4	6.6
9	8.2	7.6	7.9	7.4	7.0	7.2	7.3	6.7	6.8	6.8	6.4	6.5
10	8.3	7.2	7.7	7.5	7.2	7.4	7.6	6.7	7.1	6.9	6.4	6.5
11	8.2	7.1	7.3	7.5	7.4	7.4	7.6	7.1	7.3	6.6	6.4	6.5
12	8.5	7.0	7.4	8.2	7.2	7.7	7.4	7.1	7.3	6.8	6.5	6.6
13	8.3	7.0	7.1	8.1	7.1	7.5	7.3	7.1	7.2	6.8	6.5	6.6
14	7.1	6.9	6.9	8.3	7.0	7.6	7.4	7.1	7.3	6.9	6.5	6.6
15	7.8	6.9	7.1	8.6	7.2	7.9	7.7	7.3	7.5	6.8	6.5	6.7
16	7.8	7.1	7.5	8.2	7.0	7.4	7.4	7.0	7.2	7.0	6.5	6.7
17	7.7	7.0	7.5	8.2	7.0	7.6	7.4	6.9	7.1	6.9	6.5	6.7
18	7.7	7.3	7.5	8.1	7.0	7.3	7.7	6.7	7.0	8.0	6.5	7.0
19	7.6	7.2	7.4	8.1	7.2	7.6	7.4	6.5	6.7	8.7	6.9	7.6
20	7.6	7.1	7.3	8.6	7.6	8.0	7.5	6.5	7.0	9.1	7.0	8.5
21	7.8	7.2	7.5	8.5	7.7	8.1	7.3	6.5	6.7	8.9	6.7	8.2
22	8.2	7.0	7.4	8.4	7.5	8.0	7.5	6.6	7.0	9.1	6.8	8.6
23	8.2	6.9	7.3	8.4	7.4	7.9	7.6	6.7	7.0	8.8	6.4	7.5
24	8.4	7.2	8.0	8.5	7.3	7.7	8.0	6.7	7.1	8.0	6.4	7.1
25	8.5	7.2	8.1	8.5	7.0	7.7	7.4	6.7	7.1	8.3	6.9	7.7
26	8.2	7.4	7.8	8.4	6.9	7.5	7.5	7.0	7.2	8.1	6.6	7.0
27	7.6	7.4	7.5	8.1	7.1	7.5	7.5	7.1	7.3	7.7	6.6	6.8
28	7.9	7.1	7.5	8.3	7.0	7.7	7.4	7.1	7.3	7.6	6.6	6.9
29	7.4	7.0	7.2	8.2	7.5	7.9	7.4	7.0	7.2	7.4	6.6	6.9
30	---	---	---	8.5	7.2	8.0	7.5	7.0	7.2	7.3	6.6	6.9
31	---	---	---	8.3	7.0	7.6	---	---	---	7.2	6.6	6.9
MONTH	8.5	6.9	7.6	8.6	6.9	7.5	8.4	6.5	7.2	9.1	6.4	7.1

0208453300 PAMLICO RIVER AT LIGHT 5—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.8	6.6	7.1	7.1	6.7	6.9	7.8	7.4	7.7	7.6	7.5	7.6
2	7.2	6.8	7.1	7.0	6.8	6.9	8.1	7.5	7.8	8.5	6.9	7.9
3	7.5	6.7	6.9	7.0	6.8	7.0	8.0	7.7	7.8	8.2	6.8	7.3
4	7.3	6.6	6.9	7.0	6.8	6.9	7.9	7.4	7.7	8.1	6.9	7.1
5	7.6	6.7	7.2	7.2	6.8	6.9	8.2	7.3	7.6	7.2	6.9	7.0
6	7.4	6.9	7.1	7.0	6.9	7.0	8.1	7.2	7.8	7.6	6.9	7.1
7	7.3	6.8	7.0	7.0	7.0	7.0	7.9	7.6	7.8	7.5	7.0	7.1
8	7.5	6.8	7.2	---	---	---	7.9	7.3	7.5	7.6	7.1	7.3
9	7.3	6.6	6.9	---	---	---	7.4	7.1	7.2	8.0	7.1	7.5
10	7.3	6.6	6.9	---	---	---	7.2	7.0	7.1	8.5	7.2	7.7
11	7.3	6.8	6.9	---	---	---	7.3	6.9	7.0	8.1	7.2	7.8
12	7.5	6.8	7.0	---	---	---	7.6	6.9	7.0	8.2	7.2	7.5
13	7.5	6.8	7.2	---	---	---	8.0	7.0	7.4	8.6	7.2	7.8
14	7.4	7.0	7.2	---	---	---	7.7	7.2	7.4	8.5	7.9	8.1
15	7.5	7.0	7.2	---	---	---	7.5	7.2	7.3	7.9	7.0	7.6
16	7.4	6.8	7.0	7.1	7.1	7.1	7.5	6.9	7.1	7.9	6.8	7.1
17	7.5	6.8	7.1	7.1	7.0	7.0	7.0	6.9	7.0	7.4	6.8	6.9
18	8.0	7.0	7.2	7.4	7.0	7.0	7.3	6.9	7.0	7.4	7.1	7.2
19	7.3	7.1	7.3	7.9	7.0	7.1	7.0	6.9	7.0	8.0	7.2	7.5
20	7.7	7.2	7.4	8.0	7.0	7.2	7.4	6.9	7.0	8.0	7.2	7.7
21	7.7	7.2	7.3	8.0	6.9	7.3	7.1	6.9	7.0	8.0	6.8	7.5
22	7.6	7.1	7.4	7.9	6.9	7.2	7.1	6.9	7.0	7.7	6.8	7.0
23	7.5	6.8	7.2	7.8	7.0	7.3	7.1	6.8	7.0	7.1	6.8	6.9
24	7.1	6.7	6.9	8.0	7.0	7.4	7.9	6.8	7.0	8.1	6.8	7.0
25	7.2	6.8	6.9	7.8	7.0	7.2	8.5	6.8	7.2	8.0	6.9	7.1
26	7.0	6.8	6.9	7.4	7.0	7.1	7.9	6.7	7.1	8.3	7.0	7.6
27	7.0	6.8	6.9	7.8	7.0	7.3	8.0	7.0	7.4	8.5	7.2	8.0
28	7.9	6.7	7.0	8.0	7.0	7.3	7.6	7.0	7.4	8.1	7.3	7.8
29	7.3	6.8	6.9	7.8	7.0	7.4	7.8	7.0	7.3	8.1	7.3	7.7
30	7.3	6.8	6.9	7.8	7.4	7.6	7.8	7.4	7.6	7.7	6.8	7.3
31	---	---	---	8.0	7.6	7.7	8.5	7.5	7.7	---	---	---
MONTH	8.0	6.6	7.1	---	---	---	8.5	6.7	7.3	8.6	6.8	7.4

PAMLICO RIVER BASIN

0208453300 PAMLICO RIVER AT LIGHT 5—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, TOP
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	22.2	21.2	21.8	18.0	17.0	17.4	11.5	10.8	11.2	8.3	7.3	7.8
2	21.9	21.0	21.5	17.8	17.4	17.6	11.2	9.7	10.5	8.7	7.6	8.1
3	21.5	20.0	20.7	18.3	17.6	17.8	10.1	9.4	9.8	9.7	8.0	8.7
4	21.2	19.9	20.6	19.2	17.4	18.2	9.5	8.5	9.0	10.7	9.4	10
5	21.4	20.1	20.7	20.6	17.8	19.0	9.1	8.6	8.8	12.2	10.4	11.1
6	21.7	20.5	21.0	20.6	18.4	19.3	8.6	8.0	8.5	12.2	10.7	11.6
7	21.8	21.0	21.3	20.4	18.2	19.5	8.1	7.2	7.7	10.7	8.2	9.5
8	21.9	21.1	21.5	19.8	17.5	18.7	7.8	7.1	7.4	---	---	---
9	21.7	21.2	21.4	17.5	15.8	16.6	8.6	7.2	7.8	---	---	---
10	21.7	21.4	21.5	15.8	15.3	15.6	8.8	7.4	7.9	---	---	---
11	21.6	21.0	21.3	15.7	14.3	15.0	9.7	8.7	9.0	---	---	---
12	21.6	20.6	21.1	16.6	15.2	15.7	9.0	8.2	8.5	---	---	---
13	22.2	20.9	21.3	16.3	14.6	15.9	8.6	8.0	8.3	---	---	---
14	21.4	20.8	21.1	14.6	11.4	13.0	8.4	7.9	8.1	---	---	---
15	21.2	19.9	20.5	12.7	12.3	12.4	8.0	7.2	7.7	5.8	5.2	5.5
16	20.0	19.4	19.6	13.6	12.5	13.0	7.9	7.5	7.7	5.6	5.0	5.3
17	20.4	18.9	19.4	14.2	13.0	13.6	8.6	7.6	8.2	5.2	4.6	4.9
18	20.0	19.0	19.5	14.8	13.2	14.0	8.1	7.2	7.7	6.1	4.8	5.5
19	19.2	18.0	18.7	15.0	14.5	14.8	7.5	7.0	7.3	6.3	5.8	6.0
20	19.3	18.3	18.8	14.9	14.0	14.4	7.5	6.0	6.6	5.8	5.2	5.4
21	19.3	18.4	18.9	14.9	13.6	14.1	6.3	5.3	5.7	5.2	4.5	4.9
22	19.3	18.6	19.0	15.6	14.1	14.6	5.8	5.0	5.4	5.5	4.1	4.8
23	18.6	17.8	18.1	15.2	14.2	14.6	6.6	5.3	5.9	5.1	4.5	4.8
24	18.2	16.8	17.2	15.4	14.4	14.9	8.2	6.5	7.4	5.6	4.7	5.1
25	17.4	16.6	16.9	15.1	14.1	14.8	7.7	6.9	7.3	4.7	3.9	4.3
26	18.3	16.9	17.1	14.5	13.8	14.0	7.2	6.4	6.8	4.0	3.5	3.7
27	18.2	17.2	17.6	14.2	13.5	13.8	6.8	6.1	6.5	3.7	3.2	3.5
28	18.0	17.7	17.8	15.2	13.6	14.4	7.0	5.9	6.4	3.5	2.8	3.1
29	18.0	17.4	17.7	14.8	11.7	12.9	7.4	6.2	6.7	3.8	2.6	3.2
30	17.8	16.9	17.3	12.1	10.8	11.6	8.4	6.6	7.6	3.8	3.1	3.5
31	17.6	16.9	17.1	---	---	---	8.3	7.3	7.8	3.6	2.9	3.3
MONTH	22.2	16.6	19.6	20.6	10.8	15.4	11.5	5.0	7.8	---	---	---
	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	3.7	2.6	3.2	9.1	7.5	8.2	14.0	13.2	13.6	20.6	19.9	20.5
2	4.0	2.4	3.1	10.2	8.3	9.5	13.4	13.0	13.2	21.5	20.5	21.0
3	4.8	3.4	3.9	12.1	7.6	10.6	13.4	12.6	13.0	21.4	20.6	21.1
4	5.6	3.7	4.3	12.9	11.2	11.9	13.6	12.8	13.2	20.9	19.6	20.1
5	5.5	4.2	4.9	14.0	12.5	13.1	13.1	12.1	12.5	21.2	19.0	19.9
6	7.0	4.9	5.7	14.1	11.0	13.3	12.9	11.3	12.0	21.6	19.7	20.5
7	8.8	7.0	7.8	14.3	11.3	13.6	14.4	11.6	12.9	24.0	20.6	21.8
8	8.1	7.1	7.6	13.5	11.8	12.9	15.4	12.3	14.2	23.4	22.2	22.8
9	8.0	6.7	7.4	12.3	11.5	11.9	16.8	12.6	15.1	23.9	22.2	22.8
10	7.9	7.3	7.7	11.7	10.3	11.2	15.7	14.7	15.3	24.5	23.0	23.6
11	8.5	7.7	8.1	11.0	9.4	10.4	16.4	15.2	15.8	25.3	22.9	23.8
12	8.3	7.4	7.8	11.7	10.0	10.9	15.9	15.5	15.7	25.1	23.6	24.1
13	8.6	7.2	7.7	11.6	10.7	11.0	16.9	15.8	16.3	25.7	24.2	24.8
14	8.2	7.6	7.9	11.5	10.6	11.1	16.7	15.9	16.4	26.3	24.8	25.3
15	8.1	7.3	7.9	12.5	11.2	11.6	15.9	15.1	15.6	26.6	25.1	25.7
16	7.3	6.2	6.7	12.4	11.7	12.1	16.9	15.0	15.8	27.0	25.1	25.8
17	6.7	6.0	6.2	12.3	11.6	11.9	18.2	16.1	17.0	26.9	25.1	25.7
18	6.6	5.8	6.2	12.4	10.7	11.3	19.4	17.1	18.0	26.4	25.0	25.7
19	6.8	5.6	6.2	12.4	11.3	11.8	19.5	17.9	18.7	26.9	25.1	25.8
20	7.9	6.7	7.1	12.8	11.1	11.9	20.5	18.3	19.3	28.4	25.3	26.5
21	8.8	7.4	8.1	13.1	12.0	12.5	21.0	19.3	20.2	28.5	26.4	27.1
22	9.3	8.1	8.5	12.3	11.4	11.9	21.3	20.0	20.6	28.4	26.5	27.3
23	9.4	7.9	8.5	11.9	10.4	11.3	21.9	20.2	21.1	28.0	26.4	27.1
24	9.0	8.2	8.5	12.1	10.5	11.6	22.1	20.8	21.5	27.6	25.7	26.6
25	8.7	8.0	8.4	13.1	11.4	12.2	21.5	20.2	20.7	29.2	26.0	27.1
26	8.3	7.4	7.8	14.5	12.3	13.2	21.8	20.5	21.1	28.7	27.1	27.9
27	7.4	6.6	7.0	15.4	13.7	14.5	21.3	20.6	21.0	28.7	26.9	27.9
28	7.6	5.9	6.8	15.2	14.4	15.0	21.1	19.1	20.3	28.3	27.2	27.7
29	8.3	6.2	7.2	14.4	13.8	14.0	20.7	19.3	19.9	27.9	26.6	27.3
30	---	---	---	14.0	13.3	13.7	21.0	19.7	20.3	27.1	25.9	26.4
31	---	---	---	13.9	13.5	13.7	---	---	---	26.5	25.8	26.2
MONTH	9.4	2.4	6.8	15.4	7.5	12.1	22.1	11.3	17.0	29.2	19.0	24.7

0208453300 PAMLICO RIVER AT LIGHT 5—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, TOP—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	26.8	25.9	26.4	28.4	27.2	27.6	29.6	28.5	29.1	28.0	26.8	27.3
2	27.5	26.0	26.7	28.8	27.4	27.9	29.6	28.9	29.1	26.8	25.8	26.3
3	28.8	26.1	27.1	30.1	27.3	28.0	29.0	28.2	28.5	26.7	25.8	26.2
4	27.8	26.5	27.0	28.9	27.8	28.4	30.0	27.9	28.5	27.0	25.9	26.4
5	27.3	26.1	26.6	30.2	27.5	28.8	29.9	28.1	29.0	27.3	26.2	26.7
6	27.1	26.0	26.5	30.5	29.1	29.6	29.4	27.1	28.1	26.9	26.4	26.6
7	28.2	26.1	26.7	30.9	29.6	30.0	27.2	26.3	26.8	26.6	26.2	26.4
8	28.5	26.5	27.2	31.7	28.3	30.0	27.8	25.6	26.4	26.9	26.1	26.5
9	28.7	26.7	27.5	31.4	29.3	30.2	28.1	25.5	26.6	27.2	26.1	26.6
10	29.1	27.3	28.2	31.8	29.5	30.5	28.1	26.1	27.2	27.0	26.3	26.6
11	29.7	27.6	28.7	30.9	29.9	30.3	28.1	26.9	27.4	26.7	25.8	26.2
12	28.7	26.7	27.6	30.6	29.4	29.9	28.2	26.8	27.5	26.1	25.3	25.7
13	26.9	25.7	26.4	30.8	29.2	30.0	27.1	26.6	26.8	25.7	25.0	25.3
14	26.4	25.7	26.1	30.8	29.3	30.0	26.9	25.8	26.2	25.1	24.6	24.8
15	27.3	25.9	26.4	30.1	29.0	29.6	25.8	25.3	25.5	25.5	24.5	24.8
16	27.3	26.3	26.8	29.8	28.6	29.3	26.2	24.9	25.5	25.9	25.0	25.3
17	27.4	26.4	26.9	29.2	28.3	28.7	26.8	25.6	25.9	26.0	24.7	25.6
18	29.4	26.8	27.7	30.0	28.1	28.6	26.7	25.7	26.2	25.8	24.2	25.0
19	30.5	27.2	28.5	30.2	28.4	29.0	27.7	26.1	26.7	24.2	22.9	23.6
20	29.4	27.2	28.0	29.4	28.4	28.9	28.0	26.1	26.8	23.3	21.9	22.6
21	27.4	26.5	27.0	30.7	28.3	29.3	27.8	26.2	26.9	22.8	21.7	22.2
22	28.3	26.7	27.4	29.7	28.8	29.2	26.9	26.0	26.4	23.6	21.9	22.5
23	29.1	27.5	28.2	29.1	28.1	28.7	27.4	25.1	26.0	24.0	22.3	23.1
24	29.1	27.9	28.5	29.6	27.8	28.6	27.1	25.0	25.8	23.8	22.5	23.0
25	29.8	28.0	28.5	29.2	28.5	28.7	27.0	25.4	26.0	23.7	22.3	22.9
26	28.9	27.5	28.0	29.3	28.7	29.0	27.6	25.8	26.4	23.9	22.6	23.4
27	27.6	26.8	27.3	29.5	28.6	29.0	27.6	26.1	26.8	24.0	23.4	23.7
28	27.8	26.9	27.3	29.4	28.8	29.1	28.1	26.6	27.0	24.2	23.7	23.9
29	29.1	26.6	27.5	28.8	28.3	28.5	27.8	27.1	27.5	25.4	23.3	24.0
30	28.2	27.4	27.8	29.3	28.1	28.6	27.4	27.0	27.2	25.1	23.5	24.1
31	---	---	---	29.3	28.5	28.9	28.6	26.6	27.4	---	---	---
MONTH	30.5	25.7	27.4	31.8	27.2	29.1	30.0	24.9	27.0	28.0	21.7	24.9

PAMLICO RIVER BASIN

0208453300 PAMLICO RIVER AT LIGHT 5—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	24.1	22.4	23.2	17.9	17.8	17.8	12.7	10.9	11.4	7.9	7.8	7.9
2	23.5	20.9	22.0	17.9	17.8	17.9	11.2	10.3	10.6	8.1	7.8	7.9
3	22.8	20.2	21.2	18.0	17.9	17.9	10.9	9.5	9.9	8.1	7.9	8.0
4	22.6	20.6	21.5	18.0	17.9	18.0	9.5	8.7	9.1	9.7	8.1	8.3
5	22.7	20.4	22.1	18.0	17.9	18.0	9.0	8.6	8.8	12.0	8.1	8.9
6	22.2	21.7	22.0	18.1	18.0	18.0	8.9	8.4	8.6	12.0	8.8	9.9
7	22.2	21.8	21.9	18.9	18.0	18.2	8.4	7.5	8.0	10.8	8.7	9.5
8	22.1	21.3	21.8	18.9	17.5	18.3	8.5	8.3	8.4	---	---	---
9	22.0	21.1	21.7	17.7	15.8	16.7	8.6	7.8	8.4	---	---	---
10	21.7	21.4	21.5	15.9	15.4	15.6	8.8	8.2	8.5	---	---	---
11	21.6	21.0	21.3	17.0	15.2	16.3	9.6	8.7	9.0	---	---	---
12	21.4	20.7	21.0	16.9	15.2	16.2	9.1	8.3	8.7	---	---	---
13	21.8	21.0	21.2	16.3	14.6	15.9	9.2	8.2	8.7	---	---	---
14	21.8	21.1	21.3	14.6	11.9	13.1	8.6	7.9	8.3	---	---	---
15	21.2	19.9	20.5	12.8	12.3	12.4	8.0	7.2	7.8	5.8	5.2	5.5
16	20.0	19.4	19.7	14.1	12.6	13.2	8.3	7.7	8.0	5.7	5.1	5.3
17	19.7	18.9	19.2	14.3	13.2	13.9	8.5	7.8	8.2	5.3	4.7	5.0
18	19.7	19.1	19.5	14.2	13.5	14.0	8.3	7.6	8.0	6.2	4.8	5.4
19	19.6	18.8	19.4	14.9	13.8	14.4	8.3	7.1	7.7	6.3	5.8	6.0
20	19.5	18.7	19.3	14.9	14.0	14.5	8.1	6.1	6.8	5.8	5.2	5.5
21	19.4	18.7	19.1	14.7	14.1	14.6	7.2	5.7	6.4	5.5	4.8	5.2
22	19.3	18.6	19.0	14.7	14.4	14.6	7.9	5.9	7.0	5.1	4.5	4.9
23	18.7	18.1	18.4	14.7	14.5	14.6	8.0	7.0	7.8	5.1	4.6	5.0
24	18.3	16.9	17.5	15.0	14.6	14.7	7.9	7.0	7.5	6.2	4.8	5.2
25	17.5	16.7	17.1	15.1	14.7	14.9	7.8	7.3	7.6	4.8	3.9	4.3
26	17.3	17.0	17.2	14.9	14.4	14.8	7.5	7.2	7.4	4.0	3.5	3.8
27	17.9	17.2	17.5	14.9	14.5	14.7	7.5	7.3	7.4	3.7	3.3	3.5
28	17.9	17.7	17.8	15.2	14.4	14.8	7.5	7.2	7.4	3.5	2.8	3.2
29	17.9	17.4	17.7	14.8	11.9	12.9	7.6	7.3	7.5	3.6	2.9	3.3
30	17.9	17.4	17.7	13.2	11.6	12.3	8.2	7.4	7.6	3.8	3.3	3.5
31	17.8	17.4	17.8	---	---	---	7.9	7.6	7.7	3.7	3.0	3.3
MONTH	24.1	16.7	19.9	18.9	11.6	15.4	12.7	5.7	8.2	---	---	---
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	3.6	3.1	3.4	7.6	6.8	6.9	14.0	13.2	13.6	20.6	20.0	20.4
2	3.8	2.6	3.2	10.0	6.8	8.0	13.5	13.0	13.3	21.4	20.6	20.9
3	5.0	3.4	4.0	10.6	7.3	8.1	13.4	12.6	13.0	21.4	20.6	21.2
4	4.7	4.0	4.3	11.1	7.9	9.0	13.6	13.0	13.3	20.6	19.7	20.1
5	5.4	4.4	4.8	11.6	7.9	8.3	13.1	12.2	12.6	20.3	19.3	19.9
6	6.9	4.8	5.7	13.2	7.9	11.1	12.7	11.7	12.2	20.9	19.8	20.2
7	8.5	6.9	7.8	13.7	10.9	12.3	12.6	11.9	12.3	21.2	20.2	20.7
8	8.1	7.1	7.5	13.5	11.9	12.9	14.9	12.2	12.8	23.1	20.1	20.9
9	7.8	7.1	7.4	12.7	11.8	12.3	14.3	12.4	12.8	22.3	20.3	21.1
10	7.7	7.3	7.5	11.9	10.3	11.2	15.3	13.1	14.5	22.6	20.8	21.2
11	7.8	7.1	7.4	10.8	9.9	10.4	16.3	15.2	15.7	22.0	21.1	21.3
12	7.7	7.2	7.5	11.6	10.2	10.9	16.0	15.5	15.7	23.0	21.3	21.6
13	7.7	7.3	7.4	11.5	10.7	10.9	16.9	15.8	16.2	22.9	21.3	21.8
14	7.6	7.4	7.5	11.6	10.8	11.1	16.9	15.9	16.4	22.6	21.2	21.9
15	7.9	7.3	7.5	11.9	11.2	11.5	15.9	15.1	15.6	23.4	21.2	22.0
16	7.3	6.4	6.8	12.5	11.4	11.7	15.9	15.5	15.7	24.3	21.2	22.2
17	7.0	6.0	6.5	12.4	11.8	12.0	16.9	15.8	16.2	24.8	21.4	22.8
18	6.6	6.0	6.3	11.8	11.3	11.5	17.9	16.2	16.7	25.3	21.8	23.7
19	6.5	5.9	6.3	12.5	11.4	11.8	18.2	16.2	16.6	25.1	22.4	23.2
20	7.5	6.3	6.4	12.9	11.3	12.0	19.0	16.5	17.9	24.8	22.4	22.8
21	8.8	6.5	7.8	13.1	12.0	12.6	19.8	16.7	17.8	24.4	22.8	23.1
22	8.7	6.7	7.8	12.3	11.8	12.1	20.9	17.5	19.1	24.2	22.8	23.2
23	8.7	7.3	7.8	12.0	10.7	11.4	20.9	17.9	19.5	27.3	23.2	24.1
24	8.8	8.1	8.5	12.0	11.2	11.5	21.8	18.2	20.0	26.0	23.8	24.3
25	8.7	8.0	8.4	12.6	11.6	12.0	21.6	18.6	20.2	26.0	24.1	24.5
26	8.4	7.4	7.8	13.8	11.9	12.5	21.4	20.3	20.8	28.2	24.4	24.7
27	7.4	6.7	7.0	15.0	12.8	13.6	21.3	20.6	21.0	28.2	24.7	26.3
28	7.5	5.9	6.7	15.2	13.3	14.5	20.6	19.4	19.9	27.9	25.1	26.6
29	7.1	6.7	7.0	14.5	13.8	14.1	20.3	19.6	19.8	27.3	25.9	26.5
30	---	---	---	14.0	13.4	13.7	20.5	19.9	20.1	27.0	26.1	26.5
31	---	---	---	14.0	13.5	13.7	---	---	---	26.4	25.8	26.1
MONTH	8.8	2.6	6.7	15.2	6.8	11.5	21.8	11.7	16.4	28.2	19.3	22.8

0208453300 PAMLICO RIVER AT LIGHT 5—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	26.9	25.9	26.3	27.7	26.7	27.1	29.4	28.6	28.9	27.1	26.9	27.0
2	26.6	25.9	26.1	27.6	26.6	27.0	29.5	28.9	29.1	27.0	25.8	26.5
3	26.9	25.6	26.1	27.6	26.6	26.8	29.0	28.2	28.5	26.6	25.8	26.2
4	27.4	26.0	26.5	28.2	26.7	27.0	29.1	27.9	28.2	26.6	26.0	26.4
5	27.1	25.9	26.4	28.0	26.9	27.1	29.3	27.9	28.3	26.5	26.2	26.4
6	26.7	25.8	26.1	27.2	26.8	27.0	28.7	27.7	28.1	26.7	26.3	26.5
7	26.8	25.9	26.2	28.0	26.9	27.1	27.7	26.5	27.0	26.5	26.3	26.4
8	27.6	26.0	26.6	27.8	27.0	27.2	26.9	26.6	26.7	27.0	26.0	26.4
9	28.3	26.4	27.0	27.6	27.1	27.3	26.8	26.7	26.7	27.1	26.0	26.5
10	28.6	26.3	27.5	27.4	27.2	27.3	26.9	26.6	26.7	26.9	26.3	26.5
11	28.5	26.6	27.1	28.2	27.3	27.5	27.1	26.7	26.8	26.5	25.8	26.2
12	28.3	26.6	27.5	29.1	27.4	27.6	27.2	26.7	26.9	26.4	25.3	25.8
13	27.3	26.0	26.5	27.9	27.4	27.6	27.3	26.6	26.9	26.3	25.0	25.5
14	26.3	25.8	26.1	28.0	27.6	27.8	26.8	25.7	26.4	25.1	24.6	24.8
15	27.0	25.8	26.2	28.1	27.7	27.9	26.0	25.2	25.6	24.7	24.4	24.5
16	27.0	25.8	26.3	28.1	27.9	28.0	25.9	24.8	25.6	25.7	24.7	25.1
17	27.3	25.8	26.6	28.6	28.0	28.1	25.8	25.6	25.7	26.0	24.9	25.3
18	28.7	25.8	26.5	28.7	28.1	28.3	26.3	25.6	25.8	25.8	24.2	25.0
19	27.4	26.1	26.3	29.0	28.2	28.3	26.0	25.7	25.8	24.2	23.1	23.7
20	27.8	26.1	26.6	29.1	28.1	28.4	26.6	25.9	26.0	23.4	22.3	22.9
21	27.3	26.5	26.8	29.1	28.1	28.4	26.1	25.9	26.0	23.1	21.7	22.0
22	27.8	26.5	27.0	29.4	28.1	28.6	26.2	25.9	26.1	23.2	21.8	22.6
23	28.1	26.2	27.2	29.1	28.2	28.6	26.4	26.0	26.1	22.9	22.0	22.4
24	28.0	26.3	26.8	29.4	27.8	28.4	26.5	25.8	26.0	23.0	22.1	22.3
25	28.6	26.5	26.7	29.1	28.1	28.4	26.6	25.6	26.0	23.4	22.2	22.5
26	27.7	26.6	26.9	28.7	28.1	28.3	26.9	25.7	26.1	23.7	22.5	23.0
27	27.1	26.7	26.8	29.1	28.1	28.5	27.4	26.1	26.5	23.9	23.1	23.6
28	27.7	26.7	27.1	29.4	28.2	28.7	27.0	26.1	26.6	24.1	23.5	23.8
29	27.3	26.7	26.8	28.8	28.3	28.5	28.2	26.3	27.0	24.3	23.3	23.5
30	27.7	26.7	27.3	29.3	28.1	28.7	27.7	27.0	27.2	24.0	23.5	23.6
31	---	---	---	29.3	28.5	28.9	27.8	26.8	27.0	---	---	---
MONTH	28.7	25.6	26.7	29.4	26.6	27.9	29.5	24.8	26.8	27.1	21.7	24.8

PAMLICO RIVER BASIN

0208453300 PAMLICO RIVER AT LIGHT 5—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.9	5.4	6.3	11.7	7.7	9.9	9.9	9.1	9.5	10.6	9.8	10.2
2	8.2	6.6	7.4	11.5	4.8	7.5	10.2	9.3	9.7	10.7	9.6	10.1
3	8.7	6.7	7.4	7.9	1.1	4.5	10.7	9.5	9.9	10.8	9.9	10.3
4	8.8	7.1	8.1	9.2	2.6	6.0	10.7	9.8	10.2	10.0	7.7	8.8
5	8.8	7.2	7.9	10.8	3.7	7.7	10.4	9.8	10.1	8.9	7.4	8.3
6	9.1	2.8	7.1	10.3	3.0	7.0	10.2	9.9	10.1	9.7	8.0	8.9
7	8.7	0.8	5.3	8.6	0.9	6.4	10.5	10.0	10.3	9.3	8.1	8.8
8	8.0	0.9	5.0	7.9	6.5	7.4	11.2	10.3	10.6	---	---	---
9	7.1	5.4	6.4	8.3	6.5	7.6	11.2	9.3	10.5	---	---	---
10	6.8	5.9	6.3	9.2	8.1	8.7	11.0	9.8	10.7	---	---	---
11	7.0	6.4	6.6	10.8	8.9	9.7	11.1	10.0	10.6	---	---	---
12	8.4	6.6	7.5	10.2	9.3	9.9	11.2	10.5	10.7	---	---	---
13	10.3	5.7	8.0	9.7	7.7	8.5	11.6	10.5	11.0	---	---	---
14	8.7	5.4	7.5	10.9	8.7	9.7	11.3	10.6	11.0	---	---	---
15	8.0	6.0	7.0	10.7	9.8	10.2	11.4	10.7	11.1	13.0	12.0	12.5
16	9.0	7.0	7.7	11.8	10.2	10.9	11.6	10.6	10.8	13.0	12.1	12.6
17	10.8	7.0	8.5	12.5	10.5	11.5	11.1	9.8	10.3	13.5	12.2	12.8
18	10.3	7.9	9.2	12.4	7.5	9.9	10.8	10.0	10.4	13.2	11.9	12.5
19	10.0	8.2	9.1	9.4	7.3	8.4	10.6	10.0	10.3	12.5	11.5	12.1
20	9.6	7.7	8.7	8.8	7.3	8.2	11.6	9.9	10.3	12.9	11.8	12.4
21	8.9	7.4	8.3	11.2	8.5	9.3	10.8	10.4	10.6	12.9	12.2	12.6
22	8.9	7.1	8.0	11.8	9.0	10.3	11.2	10.4	10.9	12.9	12.4	12.7
23	9.8	7.9	8.5	10.2	6.0	9.0	11.3	10.5	10.8	12.7	11.8	12.4
24	9.3	7.6	8.4	10.4	5.8	8.9	10.8	10.1	10.5	12.5	11.6	12.1
25	9.0	7.2	8.1	9.7	8.3	8.8	10.4	8.4	10.0	12.4	11.8	12.0
26	11.0	5.4	7.7	10.1	8.3	9.1	10.4	9.7	10.0	12.3	11.9	12.2
27	9.3	6.1	7.5	9.4	8.5	8.9	11.0	10.1	10.4	13.3	11.9	12.3
28	9.4	7.0	8.2	9.5	5.3	8.4	11.3	10.1	10.6	13.0	12.0	12.5
29	9.3	8.2	8.7	9.0	6.8	8.2	11.5	9.1	10.4	13.2	12.3	12.7
30	10.1	7.9	8.7	9.5	8.7	9.1	12.4	9.0	10.5	13.2	12.1	12.8
31	10.9	8.5	9.4	---	---	---	10.6	8.9	10.1	13.4	12.5	13.0
MONTH	11.0	0.8	7.7	12.5	0.9	8.7	12.4	8.4	10.4	---	---	---
	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	13.8	12.8	13.4	12.8	11.2	12.1	10.6	9.3	9.7	7.9	4.9	6.2
2	13.8	13.2	13.5	11.9	10.4	11.2	10.2	9.2	9.6	7.0	5.2	6.3
3	13.7	12.2	13.3	12.6	6.8	11.1	10.4	9.4	9.8	7.0	6.1	6.6
4	14.0	12.5	13.4	11.4	9.8	10.5	9.9	9.5	9.7	8.8	6.7	7.5
5	14.2	13.3	13.8	11.4	9.7	10.4	10.0	9.4	9.7	9.4	6.4	8.4
6	13.9	11.4	12.9	10.3	7.2	9.1	11.2	9.1	10.1	9.9	3.6	8.2
7	12.9	10.8	12.0	9.7	6.0	8.8	11.7	9.3	10.8	10.0	6.2	8.7
8	12.8	11.4	12.0	9.4	8.2	8.9	11.6	5.9	10.4	9.7	7.5	8.9
9	13.4	11.8	12.5	9.4	7.0	8.9	11.8	3.6	10.4	11.5	6.6	8.9
10	13.5	11.9	12.8	10.0	8.7	9.4	10.6	8.4	9.5	10.1	6.9	8.8
11	13.3	12.4	12.9	10.4	9.5	9.9	9.7	8.3	8.9	10.3	4.8	8.6
12	13.0	12.1	12.5	11.6	8.9	10.8	9.0	8.2	8.7	9.4	5.5	8.1
13	13.8	12.0	12.9	12.8	7.9	10.9	8.9	7.8	8.4	8.8	7.7	8.2
14	13.6	12.2	12.8	11.5	8.9	10.6	9.0	8.0	8.7	9.0	7.5	8.1
15	13.2	8.7	11.7	13.2	9.3	11.4	10.0	8.9	9.3	8.4	6.5	7.8
16	12.4	8.8	11.5	11.6	8.8	10.5	10.6	8.2	9.7	9.0	6.9	7.7
17	12.4	9.3	11.8	11.5	9.7	10.6	10.6	9.0	10.1	9.2	6.9	7.7
18	12.1	11.0	11.7	12.2	6.0	10.5	10.2	9.7	9.9	9.4	6.5	7.8
19	13.1	11.8	12.4	10.9	7.9	9.9	9.8	9.1	9.6	8.4	7.5	7.9
20	12.5	10.6	12.1	12.3	9.8	10.8	9.7	8.3	9.0	9.5	6.3	8.1
21	11.7	10.9	11.5	11.3	9.6	10.6	9.8	8.0	8.8	9.3	7.0	8.6
22	12.9	11.2	11.9	11.6	10.1	10.8	9.3	8.2	8.8	8.8	6.8	8.2
23	13.5	10.6	12.3	12.7	10.2	11.2	9.3	8.4	8.9	9.1	6.5	8.1
24	12.6	11.4	12.0	12.6	10.3	11.4	9.4	5.7	8.5	9.2	4.0	7.6
25	12.7	11.5	11.9	11.7	10.3	11.1	8.0	5.7	7.3	9.4	7.3	8.5
26	12.0	10.0	11.2	11.5	7.5	10.6	8.0	6.9	7.6	8.7	7.3	8.0
27	11.4	10.2	10.8	10.7	9.3	10.3	8.0	6.8	7.6	7.9	6.4	7.4
28	12.3	10.9	11.6	9.9	8.7	9.3	9.1	5.1	7.8	8.4	7.0	7.7
29	12.4	11.5	12.0	10.0	8.4	9.3	9.0	5.1	7.6	8.2	6.5	7.5
30	---	---	---	11.0	9.2	10.0	8.2	5.6	7.3	8.2	5.6	6.8
31	---	---	---	10.5	8.8	10	---	---	---	7.3	5.6	6.6
MONTH	14.2	8.7	12.3	13.2	6.0	10.4	11.8	3.6	9.1	11.5	3.6	7.9

0208453300 PAMLICO RIVER AT LIGHT 5—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	JUNE			JULY			AUGUST			SEPTEMBER		
				MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	8.2	5.9	7.2	8.0	5.9	6.6	7.8	5.5	6.5	8.6	6.1	7.4			
2	8.2	6.8	7.4	7.8	6.0	6.7	6.9	4.1	5.7	9.5	6.2	8.1			
3	9.8	6.3	7.6	8.2	5.1	6.5	6.8	5.0	5.8	9.0	7.6	8.2			
4	7.2	5.1	6.0	7.0	3.0	5.6	9.4	4.5	6.4	9.2	3.3	8.2			
5	8.0	5.6	7.0	7.4	2.8	6.1	8.9	5.5	7.5	9.3	7.8	8.4			
6	8.0	5.8	7.0	6.8	5.2	6.0	7.3	5.7	6.7	8.3	4.3	7.4			
7	10.3	5.3	7.0	6.8	4.6	5.7	8.0	6.0	7.0	7.7	6.7	7.1			
8	9.1	6.0	7.4	7.8	0.5	4.9	8.3	4.2	7.3	7.5	5.5	6.9			
9	10.2	4.9	6.9	7.9	5.6	6.6	8.9	5.9	7.6	8.0	6.0	7.0			
10	7.8	5.8	6.9	7.8	4.8	6.4	9.8	3.5	7.0	9.3	6.9	7.8			
11	8.6	5.4	7.3	6.8	4.0	6.1	8.6	5.4	7.8	8.4	7.6	8.0			
12	7.0	5.2	5.9	7.0	4.3	5.9	8.3	4.5	7.2	8.4	7.4	7.9			
13	8.0	5.0	6.5	6.5	5.4	5.9	7.0	4.9	6.1	8.8	7.5	8.1			
14	7.8	5.5	6.5	6.8	5.0	5.8	6.2	4.2	5.2	8.2	5.8	7.8			
15	7.6	6.4	7.0	7.3	4.7	6.1	6.1	4.0	5.1	8.7	7.2	7.7			
16	8.4	6.5	7.4	9.1	5.9	7.3	9.2	4.4	6.4	9.3	7.2	8.3			
17	8.3	7.0	7.5	7.8	5.2	6.9	9.0	2.4	6.6	7.8	5.3	7.1			
18	8.7	7.0	7.5	9.2	5.5	6.9	9.5	1.7	7.8	7.7	6.3	7.2			
19	8.5	5.1	7.0	9.0	5.8	7.1	9.4	4.4	7.3	9.1	7.2	8.0			
20	8.1	6.1	6.9	8.7	5.9	6.9	8.9	2.8	6.5	9.2	7.8	8.5			
21	7.7	5.9	6.7	8.6	5.9	7.0	7.6	5.1	6.6	10.4	8.6	9.4			
22	7.3	5.3	6.6	7.6	5.2	6.2	9.0	5.9	6.8	11.9	9.6	10.4			
23	8.4	6.2	7.1	6.1	4.6	5.6	11.4	6.4	8.4	11.1	2.4	9.6			
24	8.7	6.7	7.5	9.1	3.7	5.9	11.2	7.2	8.3	10.1	4.0	8.8			
25	8.9	6.5	7.9	7.0	5.7	6.2	10.4	7.4	8.3	10.1	7.0	7.9			
26	7.6	6.2	6.9	7.2	2.8	6.0	8.7	7.2	7.8	8.8	7.0	7.8			
27	8.1	5.8	7.1	6.8	5.4	6.1	9.0	7.3	7.9	8.1	7.4	7.8			
28	8.3	4.4	7.0	7.4	5.5	6.5	9.3	7.2	7.8	7.9	6.8	7.2			
29	9.2	3.0	6.9	6.6	4.5	5.4	8.3	6.2	7.4	9.8	6.6	7.7			
30	7.9	6.0	6.9	7.0	4.3	5.6	7.4	6.4	6.9	9.7	3.9	7.0			
31	---	---	---	7.5	5.2	6.1	9.8	5.9	7.7	---	---	---			
MONTH	10.3	3.0	7.0	9.2	0.5	6.2	11.4	1.7	7.0	11.9	2.4	8.0			

PAMLICO RIVER BASIN

0208453300 PAMLICO RIVER AT LIGHT 5—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	3.7	0.0	1.1	2.1	0.7	1.1	10.0	7.5	9.1	5.8	4.5	4.8
2	8.7	0.0	5.0	2.0	0.4	0.7	10.3	9.5	9.8	4.7	3.3	4.1
3	8.5	0.1	6.0	1.5	0.4	1.0	10.4	9.4	10	4.5	3.5	3.9
4	8.0	0.1	3.3	1.0	0.3	0.5	10.5	10.0	10.2	7.0	2.9	4.0
5	7.7	0.0	1.3	1.1	0.3	0.6	10.6	10.0	10.3	8.7	3.6	4.8
6	1.8	0.0	0.1	0.5	0.2	0.3	10.4	9.8	10.2	9.3	3.8	5.5
7	0.4	0.0	0.1	2.3	0.2	0.6	10.6	9.8	10.2	10.3	6.1	8.9
8	6.7	0.0	1.1	6.7	0.3	2.1	9.9	9.5	9.7	---	---	---
9	6.9	0.0	3.2	7.4	0.7	6.1	10.6	9.3	9.7	---	---	---
10	7.0	6.0	6.5	8.1	6.0	7.6	10.4	8.7	9.5	---	---	---
11	7.0	6.4	6.7	7.8	0.9	3.3	10.9	9.9	10.5	---	---	---
12	7.2	1.8	5.7	7.7	1.7	4.9	10.6	9.4	10.1	---	---	---
13	9.3	1.7	4.9	7.9	4.3	6.9	11.7	8.7	10.2	---	---	---
14	8.0	1.1	3.8	9.2	7.4	8.4	11.3	10.1	10.8	---	---	---
15	8.1	4.4	7.0	9.0	8.3	8.6	11.2	10.7	11.0	13.0	11.8	12.5
16	8.0	6.4	7.2	9.1	5.3	7.5	11.0	9.8	10.4	13.1	12.1	12.6
17	9.9	6.4	8.0	9.0	4.5	5.9	10.8	8.8	9.9	12.6	11.8	12.2
18	---	---	---	7.3	4.3	5.3	10.6	9.1	10.2	12.6	11.6	12.1
19	---	---	---	8.5	4.6	6.6	10.6	8.1	9.9	12.5	11.6	12.1
20	---	---	---	9.0	7.5	8.4	10.8	9.4	10.4	12.7	11.7	12.3
21	---	---	---	9.0	6.9	7.8	10.9	8.9	10.4	12.0	11.3	11.7
22	---	---	---	9.7	6.3	7.2	11.0	5.6	8.7	12.8	11.0	11.5
23	8.2	5.7	7.4	7.8	5.7	6.3	8.6	5.6	6.9	12.6	11.3	12.0
24	8.1	7.0	7.5	7.7	4.7	5.5	9.8	5.5	6.9	12.7	11.1	12.0
25	8.0	6.6	7.4	8.9	4.1	6.3	9.5	6.1	7.4	12.2	11.8	12.0
26	7.6	5.0	6.1	8.6	2.6	4.7	8.5	7.6	8.1	12.4	11.9	12.2
27	8.3	4.7	5.9	6.7	2.3	3.8	8.2	7.2	7.9	12.8	11.9	12.3
28	9.1	4.7	7.3	7.9	2.0	5.1	7.9	6.6	7.4	13.2	12.1	12.6
29	8.7	5.2	7.8	9.3	6.9	8.4	7.2	6.2	6.7	13.1	10.9	12.0
30	7.6	2.6	5.0	9.5	7.3	8.5	11.3	5.6	6.8	13.3	10.1	12.4
31	6.9	1.2	2.0	---	---	---	6.8	5.3	5.7	13.2	11.1	12.6
MONTH	---	---	---	9.7	0.2	5.0	11.7	5.3	9.2	---	---	---
	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	13.1	9.4	11.2	9.6	7.0	8.0	10.6	9.1	9.7	7.6	5.0	6.1
2	13.7	10.1	13.1	11.2	7.2	9.2	10.4	8.9	9.6	7.8	5.4	6.8
3	13.5	10.1	12.4	10.7	6.8	8.0	10.1	6.3	9.2	7.7	6.6	7.1
4	13.5	10.6	12.3	9.8	4.7	7.2	9.8	5.8	8.9	7.6	6.7	7.2
5	13.7	10.1	12.1	8.2	5.0	5.8	9.9	8.5	9.3	8.2	5.3	6.6
6	13.7	10.8	12.4	9.2	4.6	7.2	9.6	6.8	8.3	9.2	2.8	6.4
7	12.7	11.1	11.9	9.4	6.0	7.6	11.1	4.9	7.4	8.0	1.8	5.2
8	12.5	11.5	11.9	9.6	7.9	8.8	9.7	4.1	6.0	9.0	0.3	2.7
9	12.3	10.6	11.4	9.1	5.2	7.7	8.1	1.8	3.6	6.2	0.1	2.1
10	12.2	8.5	10.4	10.1	7.9	9.4	9.6	2.1	6.8	6.5	0.2	1.5
11	12.0	7.1	8.3	10.0	9.3	9.6	---	---	---	2.9	0.1	0.6
12	12.4	5.7	7.9	11.8	7.9	10.2	---	---	---	3.6	0.1	0.5
13	12.1	4.8	6.0	11.6	6.8	9.3	---	---	---	1.6	0.0	0.2
14	7.5	3.9	4.7	11.7	5.9	9.4	---	---	---	0.6	0.0	0.2
15	10.8	3.5	6.1	12.5	7.7	10.5	---	---	---	2.5	0.1	0.5
16	11.7	7.5	10.3	11.0	5.9	8.6	---	---	---	3.2	0.1	0.4
17	11.9	6.9	10.7	10.9	5.5	9.2	---	---	---	4.3	0.1	0.9
18	12.1	9.8	11.1	10.8	5.4	7.5	---	---	---	6.6	0.0	2.1
19	11.9	8.9	10.7	10.8	7.0	9.5	---	---	---	5.8	0.0	1.2
20	11.8	8.3	9.5	12.2	9.7	10.7	---	---	---	4.0	0.0	0.4
21	11.8	8.5	10.8	11.5	10.0	10.8	---	---	---	1.3	0.0	0.1
22	12.6	5.7	9.2	11.2	8.1	10.1	8.1	0.9	4.9	1.9	0.0	0.1
23	12.5	5.5	8.4	11.2	7.9	9.9	8.2	0.5	4.7	7.4	0.0	1.1
24	12.6	7.9	11.6	11.4	7.4	9.1	8.6	0.4	4.4	5.0	0.0	0.6
25	12.7	4.2	11.7	11.3	4.7	8.5	7.5	0.5	4.8	5.1	0.0	0.3
26	12.0	10.1	11.3	10.5	3.2	6.9	7.8	5.2	6.5	7.8	0.0	0.3
27	11.5	10.3	10.9	10.2	5.2	7.8	8.0	5.8	7.4	7.9	0.2	3.5
28	12.3	7.4	11.1	9.9	4.4	7.8	7.9	5.3	6.9	8.0	0.2	4.2
29	10.1	6.0	8.1	9.9	8.2	9.2	7.4	3.8	5.9	7.7	0.1	3.3
30	---	---	---	10.8	6.5	9.7	8.0	3.9	6.1	7.0	1.4	5.0
31	---	---	---	10.4	4.5	7.7	---	---	---	7.6	0.8	5.3
MONTH	13.7	3.5	10.3	12.5	3.2	8.7	---	---	---	9.2	0.0	2.7

0208453300 PAMLICO RIVER AT LIGHT 5—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	9.7	4.2	7.5	4.5	0.0	1.4	5.5	3.5	4.5	6.0	2.3	3.6
2	8.6	3.1	6.8	3.3	0.0	0.6	6.1	3.3	4.9	9.0	0.4	5.6
3	8.1	1.7	5.2	3.5	0.0	0.3	6.3	4.8	5.4	8.0	0.3	4.6
4	7.3	2.2	4.7	3.7	0.1	0.4	7.5	4.1	5.4	7.9	0.2	2.2
5	7.8	5.1	6.6	5.0	0.1	0.5	7.8	2.8	5.0	4.6	0.3	1.3
6	7.5	4.7	6.1	0.2	0.1	0.2	7.2	2.9	5.7	6.8	0.4	2.6
7	7.3	2.7	5.5	1.1	0.2	0.2	6.6	4.6	5.6	6.3	0.5	2.9
8	7.6	2.1	6.1	0.5	0.0	0.2	6.0	3.1	4.0	7.0	2.9	5.6
9	7.0	1.0	4.7	0.1	0.0	0.0	3.6	1.1	2.0	7.5	2.9	6.0
10	7.2	0.1	4.2	0.1	0.0	0.0	3.0	0.5	1.0	8.2	3.6	6.4
11	6.8	0.1	1.8	0.7	0.0	0.1	3.3	0.0	0.9	7.8	1.3	6.4
12	7.0	0.1	4.4	1.5	0.0	0.1	5.0	0.0	1.2	8.0	1.0	4.5
13	6.9	1.9	5.7	0.1	0.0	0.0	6.6	0.0	3.2	8.5	1.1	5.7
14	6.8	3.9	5.9	0.1	0.0	0.0	6.2	1.8	4.2	8.1	6.4	7.8
15	7.0	4.6	6.1	0.3	0.0	0.1	5.9	3.0	4.6	8.2	4.6	7.0
16	7.0	0.1	3.0	0.1	0.1	0.1	6.2	0.4	2.7	8.1	0.0	4.4
17	7.5	0.1	3.5	0.2	0.1	0.1	1.9	0.0	0.6	7.1	0.4	3.0
18	8.0	0.1	2.2	3.9	0.1	0.6	4.3	0.0	0.6	7.5	6.1	6.9
19	4.8	0.0	0.5	6.3	0.2	0.8	0.9	0.0	0.1	8.7	6.8	7.6
20	7.4	0.0	1.6	6.8	0.2	2.0	4.4	0.0	0.5	8.8	6.4	8.0
21	7.4	0.0	2.9	6.9	0.0	2.7	0.4	0.0	0.0	9.0	0.8	7.1
22	7.1	0.1	4.5	5.9	0.0	2.3	0.2	0.0	0.1	8.6	0.0	2.8
23	6.6	0.1	3.3	5.6	0.0	2.8	2.4	0.0	0.2	4.0	0.7	2.1
24	5.6	0.0	0.9	6.7	0.1	4.2	7.8	0.0	0.6	7.4	0.2	2.4
25	5.8	0.0	0.3	5.9	0.0	1.3	9.4	0.0	4.2	7.3	0.2	2.5
26	4.5	0.0	0.6	3.7	0.0	0.6	8.3	0.6	5.7	7.7	0.3	4.9
27	1.3	0.0	0.1	5.4	0.0	1.9	8.2	0.2	6.2	7.8	2.2	6.7
28	7.3	0.0	1.7	6.3	0.0	2.3	7.9	0.1	5.8	7.2	3.8	6.6
29	5.9	0.0	1.5	4.8	0.9	3.5	7.5	0.2	4.0	7.4	3.4	6.0
30	5.5	0.0	2.3	5.6	3.1	4.6	8.1	5.0	6.8	6.5	2.3	4.5
31	---	---	---	6.3	4.2	5.0	9.4	4.8	6.4	---	---	---
MONTH	9.7	0.0	3.7	6.9	0.0	1.3	9.4	0.0	3.3	9.0	0.0	4.9

PAMLICO RIVER BASIN

0208453300 PAMLICO RIVER AT LIGHT 5—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	91	62	72	123	81	103	91	83	86	90	82	86
2	94	74	85	121	51	78	91	84	87	92	81	85
3	98	75	83	83	12	47	94	84	87	94	84	88
4	98	79	90	100	27	64	92	85	88	88	68	78
5	100	81	88	120	39	84	90	85	87	81	67	75
6	104	32	80	115	32	77	88	85	86	89	74	82
7	99	9	60	96	10	70	89	84	86	80	71	77
8	91	10	57	85	71	79	94	85	89	---	---	---
9	81	62	72	84	67	78	95	79	88	---	---	---
10	77	67	72	93	82	87	93	83	90	---	---	---
11	79	72	75	107	89	97	96	87	92	---	---	---
12	96	74	84	105	93	100	96	90	92	---	---	---
13	119	64	91	99	78	87	99	89	94	---	---	---
14	98	61	84	100	86	92	96	90	93	---	---	---
15	88	68	79	101	92	96	96	90	93	104	95	99
16	99	77	85	114	96	104	97	89	91	103	95	100
17	120	76	93	122	100	111	93	83	87	106	96	100
18	113	86	101	121	72	96	91	85	87	104	93	99
19	108	89	98	93	72	83	88	83	86	101	93	97
20	103	83	94	87	72	81	96	81	84	103	94	98
21	96	80	90	110	82	91	87	83	85	102	94	98
22	97	77	87	119	88	101	88	82	87	102	97	99
23	104	83	90	102	59	88	92	85	86	100	93	97
24	97	81	88	103	57	89	91	85	87	100	91	95
25	93	75	84	96	82	87	87	70	84	95	91	93
26	117	56	81	99	81	89	86	80	82	93	90	92
27	98	64	79	91	82	86	90	82	85	100	90	93
28	99	74	86	92	53	82	92	82	86	98	91	93
29	98	86	91	84	67	78	95	75	85	100	91	95
30	106	83	90	88	80	84	101	74	88	100	91	96
31	114	89	98	---	---	---	90	75	85	101	93	98
MONTH	120	9	84	123	10	86	101	70	88	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	104	96	100	108	95	103	103	89	93	88	54	69
2	106	98	101	103	89	98	98	88	92	79	58	71
3	104	93	102	117	57	101	99	89	93	79	69	74
4	110	97	103	105	92	97	94	91	93	99	74	82
5	111	103	108	110	93	99	94	88	91	105	71	92
6	109	94	103	99	65	87	106	85	94	111	40	92
7	111	91	101	95	56	85	114	86	103	117	69	99
8	108	96	101	89	79	84	115	55	101	113	87	103
9	112	98	104	87	65	82	119	34	104	134	76	103
10	114	99	107	90	80	85	107	83	95	121	81	104
11	114	104	110	94	85	89	99	83	90	124	56	102
12	111	102	105	107	79	98	91	83	88	114	65	97
13	118	100	108	117	71	99	92	79	86	108	92	100
14	115	103	108	105	80	97	92	82	89	112	91	99
15	112	73	99	124	85	105	101	89	94	105	79	96
16	102	73	94	108	82	98	109	83	98	113	84	96
17	101	76	96	106	89	99	113	93	105	113	85	95
18	98	89	94	112	55	96	109	101	105	116	79	95
19	108	94	100	102	72	92	107	98	103	106	92	97
20	104	88	100	116	90	100	106	89	98	121	77	102
21	100	91	97	108	89	100	109	87	97	118	88	108
22	113	95	102	108	93	100	105	92	99	113	85	103
23	117	91	105	117	94	103	106	93	100	117	81	103
24	108	97	103	117	94	105	107	64	97	117	49	96
25	109	98	102	111	97	103	91	63	82	121	90	108
26	102	83	95	112	70	101	91	77	85	112	93	103
27	94	84	89	106	93	102	90	76	86	102	80	95
28	103	89	95	99	87	92	103	56	87	108	88	98
29	105	93	100	97	81	90	100	56	84	105	82	95
30	---	---	---	107	88	97	91	62	80	102	70	85
31	---	---	---	102	85	96	---	---	---	91	69	82
MONTH	118	73	101	124	55	96	119	34	94	134	40	95

0208453300 PAMLICO RIVER AT LIGHT 5—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	103	73	90	103	75	84	103	72	85	110	77	94
2	104	84	93	101	76	86	91	54	75	119	78	101
3	126	78	97	109	65	83	88	65	76	113	94	102
4	90	64	76	91	39	72	125	58	83	116	41	102
5	101	69	88	97	36	79	118	71	97	118	97	105
6	101	72	87	91	68	80	96	73	85	104	54	93
7	131	66	88	91	61	76	101	75	88	96	83	88
8	118	75	93	107	6	65	105	53	91	94	68	86
9	126	61	88	107	74	87	110	74	95	101	74	88
10	102	73	89	107	63	86	126	44	88	117	86	98
11	113	69	95	92	53	81	110	69	99	105	94	100
12	88	66	75	94	57	78	106	57	92	104	91	97
13	100	63	81	87	71	79	88	61	77	108	91	99
14	97	68	81	92	66	77	77	53	64	100	70	94
15	96	79	87	97	62	81	75	49	62	107	87	93
16	106	81	93	120	78	95	114	54	79	114	88	101
17	104	88	94	102	67	89	113	30	81	95	64	87
18	112	88	95	122	71	90	119	21	92	93	76	88
19	112	65	90	120	75	92	120	55	92	108	85	94
20	106	78	88	114	76	90	114	35	82	107	91	98
21	96	74	84	116	76	92	97	64	83	121	98	108
22	94	67	83	100	68	82	112	74	84	140	110	120
23	110	79	92	80	60	73	144	79	104	130	28	113
24	114	86	97	120	47	77	141	87	102	119	47	103
25	116	84	102	92	74	81	131	91	103	118	82	92
26	99	79	88	94	36	78	109	89	97	104	82	92
27	103	74	90	90	70	80	114	90	99	96	88	92
28	106	56	89	97	72	84	119	90	99	94	81	86
29	120	38	87	86	58	70	106	79	94	120	78	92
30	101	77	88	92	55	73	94	81	87	118	46	84
31	---	---	---	98	67	80	126	75	98	---	---	---
MONTH	131	38	89	122	6	81	144	21	88	140	28	96

PAMLICO RIVER BASIN

0208453300 PAMLICO RIVER AT LIGHT 5—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	43	0	12	22	7	12	92	71	84	49	38	41
2	99	0	57	21	4	8	93	85	88	40	28	35
3	96	1	67	16	4	10	91	84	88	38	30	33
4	90	1	37	11	3	5	91	87	89	62	25	34
5	86	0	15	12	3	7	91	86	89	81	31	42
6	21	0	1	5	2	3	89	85	87	84	33	49
7	5	0	0	25	2	6	90	84	87	89	53	78
8	76	0	12	71	3	22	85	81	83	---	---	---
9	78	0	36	75	7	63	89	80	83	---	---	---
10	80	68	73	82	61	76	90	75	82	---	---	---
11	79	73	76	78	9	33	95	86	91	---	---	---
12	81	20	64	79	18	50	91	81	87	---	---	---
13	106	19	55	80	44	70	100	76	87	---	---	---
14	91	12	43	86	73	80	97	86	92	---	---	---
15	89	50	77	85	78	81	95	90	93	104	93	99
16	88	70	79	86	51	71	92	83	88	104	95	100
17	108	70	87	86	44	57	91	75	85	100	92	96
18	---	---	---	70	42	52	89	77	86	101	91	96
19	---	---	---	84	45	65	88	69	84	101	93	97
20	---	---	---	89	74	83	87	80	86	101	93	98
21	---	---	---	89	68	77	88	74	85	95	89	92
22	---	---	---	95	62	71	89	47	72	100	86	90
23	88	61	79	77	56	62	71	47	58	99	89	94
24	85	73	79	77	46	54	83	46	58	103	87	95
25	82	69	77	88	41	62	79	51	62	94	92	93
26	79	52	63	85	26	47	71	64	67	94	90	93
27	88	49	62	66	23	38	68	60	66	97	90	93
28	96	49	76	78	20	51	66	55	62	99	91	94
29	92	55	82	87	68	80	60	52	56	99	82	90
30	80	27	52	88	70	80	95	47	57	101	76	94
31	72	13	22	---	---	---	57	45	48	100	84	95
MONTH	---	---	---	95	2	49	100	45	78	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	98	71	84	80	58	66	103	87	94	85	55	68
2	104	76	98	99	62	78	100	85	92	88	60	76
3	104	76	95	94	57	68	97	60	88	87	75	81
4	103	82	95	88	40	63	94	55	85	84	74	79
5	109	78	95	76	43	50	93	80	87	90	58	73
6	108	85	99	88	40	66	90	64	78	103	31	71
7	108	93	100	91	54	71	104	46	70	90	20	58
8	106	95	99	89	75	84	96	38	57	105	3	31
9	103	88	95	84	49	72	79	17	34	72	1	24
10	102	71	87	92	73	85	96	20	67	75	2	17
11	101	59	70	90	84	87	---	---	---	33	1	7
12	104	48	66	109	71	93	---	---	---	42	1	6
13	101	40	50	107	61	85	---	---	---	19	0	3
14	63	33	40	107	53	86	---	---	---	7	0	2
15	91	29	51	116	71	96	---	---	---	29	1	5
16	96	62	84	103	54	79	---	---	---	38	1	5
17	96	57	87	102	51	86	---	---	---	52	1	11
18	99	80	90	100	50	69	---	---	---	81	0	25
19	96	72	87	101	64	88	---	---	---	71	0	14
20	99	67	77	116	89	100	---	---	---	48	0	5
21	101	70	91	109	93	102	---	---	---	16	0	1
22	108	48	78	105	75	95	90	9	53	23	0	0
23	106	46	71	102	73	91	92	5	52	94	0	14
24	108	67	99	106	68	84	98	4	49	62	0	8
25	109	36	100	105	43	79	85	5	54	63	0	4
26	103	84	95	102	30	65	88	58	73	100	0	4
27	94	85	90	100	49	75	89	65	83	101	2	44
28	103	61	91	99	42	77	88	58	76	102	2	53
29	83	50	67	96	80	90	82	42	65	97	1	41
30	---	---	---	105	63	94	89	43	68	88	17	62
31	---	---	---	101	43	74	---	---	---	95	10	66
MONTH	109	29	84	116	30	81	---	---	---	105	0	31

0208453300 PAMLICO RIVER AT LIGHT 5—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	122	52	93	57	0	18	72	45	59	76	29	46
2	107	38	84	42	0	8	80	43	64	113	5	70
3	102	21	64	44	0	3	81	62	70	99	4	57
4	91	27	59	48	1	5	98	53	70	98	2	27
5	98	63	83	64	1	6	102	36	65	57	4	17
6	94	58	76	3	1	2	93	37	73	85	5	33
7	91	33	68	14	3	3	84	58	71	79	6	36
8	95	26	76	6	0	2	75	39	50	88	36	70
9	89	12	59	1	0	0	45	14	25	95	36	75
10	93	1	54	1	0	0	38	6	13	103	45	80
11	88	1	24	9	0	0	42	0	11	97	16	79
12	88	1	56	20	0	0	63	0	15	98	12	56
13	86	24	71	1	0	0	83	0	40	104	14	69
14	84	48	73	1	0	0	77	23	53	98	78	94
15	88	57	76	4	0	0	72	37	57	99	56	84
16	88	1	38	1	1	1	75	5	33	99	0	53
17	95	1	44	3	1	1	23	0	7	88	5	36
18	104	1	28	50	1	8	54	0	7	91	74	84
19	61	0	6	82	3	11	11	0	1	103	80	90
20	94	0	21	89	3	26	55	0	6	103	75	93
21	94	0	36	90	0	35	5	0	0	104	9	82
22	90	1	56	78	0	30	2	0	0	99	0	33
23	85	1	42	73	0	36	30	0	2	46	8	25
24	72	0	12	88	1	54	97	0	7	86	2	28
25	75	0	3	77	0	17	117	0	52	85	2	29
26	57	0	7	48	0	8	103	7	70	91	3	57
27	16	0	2	71	0	25	104	2	78	93	26	79
28	93	0	22	83	0	31	99	1	72	86	45	78
29	74	0	19	62	12	45	96	2	50	89	40	71
30	70	0	29	73	40	60	103	63	86	77	27	53
31	---	---	---	83	55	65	120	60	81	---	---	---
MONTH	122	0	46	90	0	16	120	0	42	113	0	59