

0208455155 PAMLICO RIVER AT LIGHT 3

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

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

PERIOD OF DAILY RECORD.--

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

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

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

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

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

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

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

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

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

REMARKS.--Station operated in cooperation with the North Carolina Department of Environment and Natural Resources. The monitor was removed on August 29, 1999 to prevent possible destruction of the equipment during Hurricane Dennis. It was reinstalled on September 9, 1999. The monitor was removed again on September 14, 1999 to prevent possible destruction during Hurricane Floyd. It was reinstalled on October 7, 1999. The monitor was removed on September 15, 2003 to prevent possible destruction of the equipment during Hurricane Isabel. It was reinstalled on September 21, 2003. 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. 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	20.3, August 26, 2002	0.3, October 11, 1999
SALINITY (BOTTOM), ppt	23.0, October 6, 2002	0.5, October 11, 27, 1999
pH (TOP), standard units	9.5, April 15, 2003, August 15, 2003	6.6, October 7, 1999
pH (BOTTOM), standard units	9.2, April 14, 15, 2003, August 15, 2003	6.6, May 27, 2000, July 12, 2001, May 8, 9, 15, 16, 17, 18, 2004
WATER TEMPERATURE (TOP), °C	33.3, August 20, 1990, July 9, 1991	0.0, January 25, 2003
WATER TEMPERATURE (BOTTOM), °C	32.6, August 1, 1999	0.6, January 25, 2003
DISSOLVED OXYGEN (TOP), mg/L	21.2, January 30, 1992	<1.0, on several days during the period
DISSOLVED OXYGEN (BOTTOM), mg/L	18.0, May 3, 1991	<1.0, on many days during the period

EXTREMES FOR CURRENT YEAR.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SALINITY (TOP), ppt	13.5, July 31	1.4, December 24
SALINITY (BOTTOM), ppt	17.1, July 8	2.0, December 25
pH (TOP), standard units	9.0, September 16	7.1, April 25, May 5
pH (BOTTOM), standard units	8.8, November 2, March 4, 5	6.6, May 8, 9, 15, 16, 17, 18
WATER TEMPERATURE (TOP), °C	31.6, July 10	2.8, January 28, 29, February 2
WATER TEMPERATURE (BOTTOM), °C	30.6, July 14	2.9, January 29, February 2
DISSOLVED OXYGEN (TOP), mg/L	14.0, September 16	4.6, July 24
DISSOLVED OXYGEN (BOTTOM), mg/L	13.3, January 12	<1.0, on many days during the year
DISSOLVED OXYGEN, PERCENT SATURATION (TOP),%	174, September 16	59, July 24
DISSOLVED OXYGEN, PERCENT SATURATION (BOTTOM),%	131, September 22	<10, on many days during the year

0208455155 PAMLICO RIVER AT LIGHT 3—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	4.7	3.1	3.7	5.7	4.5	5.4	6.0	5.1	5.5	3.7	3.4	3.5
2	4.5	3.0	3.6	5.5	4.6	5.2	6.0	5.5	5.8	3.5	3.4	3.5
3	4.2	3.4	3.8	5.4	4.3	5.0	6.2	5.7	6.0	3.5	3.1	3.3
4	3.9	3.2	3.4	5.4	3.4	4.5	6.3	5.9	6.1	4.6	3.1	3.7
5	3.4	3.1	3.2	5.0	3.2	3.8	6.5	5.7	5.9	6.8	4.6	5.8
6	3.9	2.8	3.2	4.2	2.6	3.2	6.7	5.9	6.3	6.7	5.7	6.2
7	3.8	3.2	3.3	4.0	2.9	3.6	6.8	6.1	6.5	7.0	6.0	6.5
8	5.2	3.5	4.3	6.1	3.9	5.1	6.4	4.7	5.4	7.2	6.7	7.0
9	6.3	4.8	5.7	7.2	5.3	6.2	6.5	4.4	5.3	7.3	7.1	7.2
10	6.3	5.2	5.9	5.5	5.2	5.4	7.5	4.9	6.2	7.6	6.9	7.2
11	6.0	5.3	5.6	5.5	4.8	5.3	7.5	6.5	6.7	7.5	7.0	7.3
12	6.3	5.3	5.8	5.2	4.2	4.7	7.0	5.7	6.3	7.4	7.0	7.3
13	6.4	4.8	5.4	5.6	4.8	5.2	7.1	6.2	6.4	7.3	7.1	7.2
14	6.5	5.7	6.1	6.4	4.4	5.5	6.8	5.2	5.9	7.4	7.3	7.3
15	6.3	5.6	5.8	6.2	4.7	5.2	5.3	4.6	5.0	7.5	7.3	7.3
16	6.3	5.9	6.0	5.3	4.1	4.7	5.4	4.1	4.7	7.5	7.3	7.4
17	6.0	5.0	5.4	4.4	3.7	3.9	5.0	3.6	4.1	7.5	7.4	7.5
18	6.0	5.0	5.6	5.1	3.8	4.4	4.4	3.6	4.0	7.6	7.4	7.5
19	6.0	5.5	5.7	8.5	4.7	6.5	3.9	3.3	3.6	7.6	7.3	7.5
20	6.0	5.4	5.6	7.1	5.6	6.5	4.2	3.1	3.6	7.8	7.6	7.7
21	6.2	5.0	5.5	6.8	5.6	6.1	3.7	2.0	3.2	7.8	7.5	7.7
22	6.7	5.5	6.0	5.9	5.0	5.5	2.4	1.9	2.2	7.6	7.3	7.4
23	7.4	6.7	7.0	5.9	4.9	5.4	2.2	1.8	1.9	7.6	7.3	7.4
24	7.3	6.0	6.7	5.6	4.9	5.3	3.0	1.4	1.9	7.8	7.1	7.4
25	7.3	6.5	7.0	5.8	5.1	5.5	3.2	1.6	2.0	7.8	7.5	7.7
26	6.9	6.2	6.5	5.4	5.2	5.3	3.3	2.4	2.7	7.9	7.4	7.5
27	7.0	6.0	6.6	5.9	5.3	5.6	3.4	2.4	2.8	7.7	7.4	7.5
28	6.8	6.0	6.5	7.3	5.5	6.1	3.2	2.6	2.9	7.5	5.7	7.0
29	6.6	6.2	6.4	6.5	5.2	5.7	3.0	2.4	2.7	7.1	5.7	6.9
30	6.5	5.6	6.2	6.4	4.9	5.8	3.9	2.4	3.1	7.5	7.0	7.2
31	6.0	5.6	5.9	---	---	---	4.1	3.3	3.6	7.3	7.1	7.2
MONTH	7.4	2.8	5.4	8.5	2.6	5.2	7.5	1.4	4.5	7.9	3.1	6.7
	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.3	7.1	7.2	3.8	2.7	3.4	5.8	5.0	5.5	6.7	5.6	6.0
2	7.3	7.0	7.2	4.1	2.6	3.5	5.7	4.9	5.5	6.0	5.5	5.8
3	7.5	7.2	7.3	4.6	3.3	4.1	5.6	5.0	5.3	6.4	5.1	5.6
4	7.3	6.8	7.2	4.6	4.1	4.3	5.8	4.9	5.4	6.1	5.2	5.7
5	7.3	6.8	7.2	4.3	3.8	4.1	6.8	4.9	5.9	5.9	5.1	5.5
6	7.3	6.7	7.0	6.0	4.2	5.4	6.6	4.2	5.5	6.0	5.0	5.4
7	7.1	6.5	6.7	6.7	4.0	5.7	6.1	4.7	5.5	5.5	3.7	4.5
8	7.1	6.7	6.9	6.4	5.9	6.1	5.7	4.9	5.3	4.7	3.7	4.2
9	7.1	5.9	6.7	6.8	6.2	6.4	6.2	5.0	5.7	4.1	3.4	3.7
10	6.3	5.3	6.0	6.8	5.8	6.5	6.7	5.7	6.3	4.6	3.9	4.2
11	5.7	5.0	5.4	6.7	5.8	6.5	6.9	6.2	6.5	4.7	3.8	4.4
12	6.4	5.0	5.8	6.6	5.9	6.2	6.7	6.4	6.5	4.7	3.8	4.4
13	6.4	5.4	6.1	6.7	6.4	6.6	7.0	6.5	6.7	4.3	4.0	4.2
14	5.7	4.0	4.7	6.9	6.4	6.7	7.2	6.1	6.5	4.3	4.1	4.1
15	6.0	4.3	5.3	7.0	6.2	6.6	6.9	6.4	6.6	4.7	4.1	4.3
16	7.0	5.1	5.8	6.8	6.1	6.4	6.7	5.5	6.0	5.2	4.0	4.6
17	5.4	4.0	5.1	6.5	6.2	6.3	6.0	5.3	5.6	5.5	4.7	5.0
18	6.0	4.7	5.6	6.6	6.0	6.2	6.0	5.6	5.8	5.4	4.6	5.0
19	5.3	3.8	4.7	6.9	6.0	6.5	5.9	5.6	5.8	4.8	4.6	4.7
20	5.3	2.8	4.0	7.0	6.5	6.7	6.0	4.7	5.5	5.3	4.7	4.8
21	6.3	5.2	5.5	7.0	6.2	6.6	6.2	5.2	5.6	5.2	4.5	4.8
22	6.4	5.5	5.9	6.9	6.3	6.6	6.1	5.4	5.7	5.1	4.4	4.7
23	6.2	5.6	5.9	7.0	5.8	6.4	5.8	5.1	5.6	6.2	4.9	5.6
24	6.2	5.3	5.9	6.4	5.3	5.9	6.2	5.3	5.6	6.3	5.3	5.6
25	6.7	5.7	6.2	6.3	5.3	6.0	6.7	5.6	6.2	6.3	5.7	5.9
26	7.1	5.9	6.5	6.0	4.9	5.5	6.5	5.7	5.9	6.6	5.4	5.9
27	6.9	5.1	5.8	5.2	4.5	4.7	6.4	5.7	5.9	6.5	5.5	5.9
28	5.6	5.1	5.4	6.2	4.5	5.2	6.2	5.9	6.0	6.7	5.4	6.2
29	5.3	3.6	4.8	6.2	5.1	5.8	6.5	5.0	5.8	7.2	6.3	6.7
30	---	---	---	6.4	5.4	5.8	6.3	5.5	6.0	7.3	6.7	7.1
31	---	---	---	6.7	5.5	6.0	---	---	---	7.3	6.4	6.8
MONTH	7.5	2.8	6.0	7.0	2.6	5.8	7.2	4.2	5.9	7.3	3.4	5.2

PAMLICO RIVER BASIN

0208455155 PAMLICO RIVER AT LIGHT 3—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	7.5	6.5	6.9	9.9	9.5	9.7	13.3	12.3	12.7	8.5	7.6	8.1
2	7.6	6.4	6.8	9.6	9.2	9.4	13.0	12.4	12.7	8.8	8.0	8.4
3	7.3	6.5	6.9	9.7	9.3	9.5	12.9	11.9	12.4	8.0	7.5	7.7
4	8.7	6.7	7.4	10.1	9.4	9.7	12.6	12.0	12.3	7.7	7.5	7.6
5	8.4	6.9	7.5	10.2	9.3	9.7	12.3	12.0	12.1	8.1	7.6	7.8
6	8.2	7.0	7.7	10.1	9.4	9.7	12.6	12.1	12.3	8.5	7.1	8.1
7	8.2	7.7	7.9	9.9	8.7	9.2	12.6	12.1	12.5	7.6	7.0	7.3
8	8.4	7.8	8.1	9.8	9.0	9.4	12.2	11.2	11.6	7.8	6.8	7.4
9	8.1	7.5	7.6	9.9	9.7	9.8	11.4	10.8	11.0	7.7	4.9	6.1
10	8.1	7.3	7.5	9.7	9.3	9.5	11.6	10.9	11.3	5.6	4.1	5.0
11	7.6	6.8	7.4	10.8	9.7	10.3	11.5	11.2	11.4	5.6	4.9	5.2
12	8.1	7.3	7.7	10.8	10.2	10.4	11.5	11.3	11.4	5.4	4.3	4.6
13	9.1	7.8	8.4	11.1	10.3	10.7	12.9	11.4	11.9	5.0	3.8	4.5
14	8.9	8.3	8.5	10.7	10.4	10.6	12.9	11.4	11.8	5.0	4.1	4.6
15	8.6	8.3	8.5	10.9	10.4	10.7	12.2	11.7	11.9	4.8	4.5	4.6
16	8.5	8.1	8.3	10.9	10.6	10.8	11.9	11.1	11.5	4.7	3.2	4.3
17	8.3	7.9	8.2	11.2	10.7	10.9	11.8	10.5	11.3	8.5	4.4	6.1
18	8.4	7.1	7.8	11.5	10.9	11.1	11.3	10.0	10.8	8.2	4.5	5.7
19	8.0	7.0	7.5	11.8	11.1	11.5	10.1	8.3	9.7	7.8	5.9	7.2
20	9.0	7.8	8.3	12.1	11.5	11.8	9.5	7.8	8.5	8.5	6.7	7.7
21	9.3	8.6	9.0	12.2	11.7	12.0	8.6	5.8	7.3	8.0	7.1	7.4
22	9.0	8.4	8.7	12.2	12.0	12.1	7.0	5.5	6.2	7.1	4.7	5.8
23	8.8	7.8	8.4	12.6	12.0	12.2	8.3	6.4	7.3	5.3	2.7	3.9
24	8.1	7.8	8.0	12.5	12.2	12.3	8.7	7.3	8.1	6.3	3.4	4.8
25	8.1	7.6	7.9	12.4	12.0	12.2	8.6	6.8	7.7	7.0	5.1	6.2
26	9.6	7.6	8.6	12.5	11.8	12.2	8.5	7.1	7.6	7.1	6.0	6.7
27	9.7	9.0	9.3	12.6	12.1	12.3	8.3	7.5	7.9	7.8	6.2	6.8
28	9.8	9.2	9.4	12.8	12.3	12.5	8.3	7.6	7.9	7.8	6.1	6.7
29	10.2	9.2	9.6	13.4	12.7	12.8	8.8	7.9	8.2	7.8	6.2	6.7
30	9.8	9.3	9.6	13.3	12.8	13.0	8.9	7.2	8.0	8.5	7.0	7.7
31	---	---	---	13.5	12.3	13.0	9.0	7.6	8.0	---	---	---
MONTH	10.2	6.4	8.1	13.5	8.7	11.0	13.3	5.5	10.2	8.8	2.7	6.4

0208455155 PAMLICO RIVER AT LIGHT 3—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	6.4	4.3	5.3	7.8	5.6	6.1	6.1	5.4	5.6	7.2	3.6	5.1
2	5.7	3.1	4.2	7.8	5.2	6.7	6.9	5.6	6.0	10.5	3.7	7.2
3	5.4	3.7	4.5	7.6	5.6	6.5	6.9	5.9	6.1	10.9	3.8	9.6
4	8.3	3.8	4.9	7.6	5.7	6.4	6.8	5.9	6.1	10.4	7.6	10.1
5	10.2	3.2	7.2	8.6	5.7	7.2	7.4	5.7	6.1	10.4	6.7	8.6
6	10.6	6.4	9.1	9.1	6.7	7.9	6.7	6.0	6.4	8.1	5.9	6.7
7	10.5	6.4	8.8	9.3	3.4	7.4	6.8	6.1	6.6	7.0	6.0	6.6
8	9.5	5.2	8.5	8.6	5.3	6.6	8.3	6.1	6.6	7.0	6.8	6.9
9	9.9	5.1	7.1	7.2	5.4	6.3	9.2	6.5	8.4	7.2	7.0	7.1
10	6.1	5.6	5.8	6.5	5.3	5.7	8.8	6.8	8.0	7.4	6.8	7.1
11	6.1	5.2	5.6	6.2	5.5	5.7	7.8	6.3	6.6	7.3	7.0	7.2
12	6.4	5.7	6.0	5.7	4.6	5.0	7.2	6.3	6.7	7.3	6.9	7.1
13	9.3	5.7	7.0	5.5	4.9	5.2	7.0	6.1	6.4	7.1	7.1	7.1
14	8.0	6.0	6.6	7.0	4.7	5.8	6.7	5.1	6.0	---	---	---
15	6.2	5.5	5.8	6.2	4.9	5.7	6.2	4.5	5.2	7.3	7.1	7.2
16	6.6	5.7	6.2	7.5	6.0	6.4	6.5	5.5	6.0	7.3	7.2	7.3
17	7.6	5.5	6.1	8.3	5.6	6.8	6.4	3.6	5.1	7.7	7.3	7.4
18	7.5	5.5	6.0	9.2	7.5	8.7	6.7	3.5	5.0	7.8	7.3	7.5
19	7.7	5.5	6.0	8.6	6.4	7.6	5.2	3.4	4.1	7.6	7.2	7.4
20	7.9	6.0	7.3	7.3	6.0	6.7	4.9	3.2	3.7	7.6	7.5	7.6
21	7.6	5.6	6.7	8.0	6.0	6.5	5.3	3.2	4.0	7.7	7.6	7.6
22	6.8	5.7	6.2	8.1	5.6	6.3	5.4	3.0	4.0	7.8	7.1	7.4
23	7.8	6.7	7.3	8.6	6.2	7.6	8.1	2.3	4.7	---	---	---
24	7.7	6.3	7.2	8.6	6.5	7.9	7.9	4.1	7.0	---	---	---
25	7.6	7.0	7.3	8.3	5.2	6.1	7.1	2.0	3.9	7.8	7.4	7.6
26	7.5	6.9	7.2	7.3	5.4	6.1	5.0	2.5	3.3	7.8	7.3	7.5
27	7.6	6.4	7.1	8.0	6.2	7.2	4.8	3.3	3.9	7.6	7.3	7.4
28	7.8	6.2	7.2	8.0	5.5	6.8	8.3	4.0	4.7	7.4	6.5	7.0
29	7.5	6.2	6.5	6.5	5.2	5.8	11.1	3.2	5.6	7.6	6.7	7.1
30	7.8	6.1	6.6	7.8	5.6	6.2	11.1	3.5	6.6	7.5	6.9	7.2
31	7.4	5.9	6.3	---	---	---	11.1	3.5	6.2	7.3	7.0	7.2
MONTH	10.6	3.1	6.6	9.3	3.4	6.6	11.1	2.0	5.6	---	---	---
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.3	7.1	7.2	7.8	4.1	6.0	5.8	5.3	5.6	6.6	5.8	6.1
2	7.3	7.0	7.2	8.9	4.1	5.9	5.9	5.3	5.6	6.7	5.6	5.8
3	7.8	7.1	7.3	10.1	4.2	6.7	7.1	5.2	5.7	6.2	5.0	5.5
4	7.4	7.1	7.2	9.0	4.1	6.0	7.3	5.1	6.0	6.4	5.0	5.8
5	7.3	7.0	7.2	6.8	4.1	4.9	6.8	5.2	6.1	6.7	5.0	5.6
6	7.3	6.7	7.0	7.3	4.3	5.8	9.1	5.5	6.7	8.8	5.0	5.8
7	7.0	6.4	6.7	8.3	5.3	7.0	9.3	5.9	7.6	6.5	4.7	5.7
8	7.5	6.7	6.9	6.4	5.9	6.1	9.3	5.6	7.6	7.7	4.5	5.7
9	7.6	6.8	7.2	7.0	6.3	6.6	10	5.7	7.1	7.6	4.5	6.2
10	7.3	5.7	6.4	6.9	5.9	6.5	9.1	6.4	7.5	8.3	4.2	5.5
11	8.0	5.6	6.3	6.8	6.2	6.5	7.6	6.4	6.9	9.2	4.4	5.9
12	8.0	5.9	6.8	7.0	6.0	6.5	6.8	6.4	6.5	9.2	4.5	5.5
13	6.4	5.9	6.3	8.2	6.5	6.8	7.0	6.5	6.7	6.5	4.5	5.2
14	7.3	5.6	6.3	7.6	6.6	6.8	7.1	6.1	6.5	7.2	4.3	5.3
15	7.5	4.9	5.8	7.4	6.4	6.9	7.3	6.3	6.6	10	4.3	7.1
16	7.0	4.9	5.9	7.1	6.2	6.7	7.5	6.0	6.8	9.6	4.8	7.6
17	5.5	4.1	5.1	6.9	6.2	6.4	7.4	5.6	6.8	9.2	5.1	7.0
18	6.1	4.7	5.7	7.8	6.0	6.6	7.6	5.6	5.9	9.0	4.9	6.7
19	6.6	5.6	6.0	8.2	6.0	6.6	5.9	5.6	5.7	5.4	4.7	4.8
20	10.2	5.2	6.9	7.1	6.5	6.9	6.1	5.6	5.8	8.7	4.7	5.5
21	6.4	5.2	5.7	7.1	6.2	6.6	7.5	5.3	5.8	8.7	4.7	5.6
22	9.1	5.9	6.3	6.9	6.3	6.7	6.9	5.5	5.9	8.9	4.7	5.8
23	7.5	5.9	6.2	7.2	6.5	6.9	7.0	5.4	6.0	9.5	5.0	5.9
24	6.5	6.0	6.3	7.1	5.7	6.8	6.2	5.4	5.7	6.4	5.3	5.8
25	6.7	5.7	6.2	7.0	5.9	6.3	6.7	5.6	6.2	6.5	5.8	6.1
26	7.1	5.9	6.6	6.4	5.3	6.0	6.6	5.8	6.2	9.3	5.7	6.3
27	6.9	5.1	5.9	6.5	5.0	5.8	6.6	5.6	5.9	7.3	5.8	6.2
28	5.6	5.2	5.4	6.2	4.8	5.5	6.5	5.8	6.0	7.6	6.2	6.6
29	6.7	4.9	5.6	6.2	5.2	5.8	6.9	5.8	6.4	9.5	6.7	7.3
30	---	---	---	6.4	5.7	6.0	7.0	5.7	6.1	9.2	7.0	7.4
31	---	---	---	7.1	5.6	6.1	---	---	---	7.5	6.4	6.9
MONTH	10.2	4.1	6.4	10.1	4.1	6.3	10.0	5.1	6.3	10.0	4.2	6.1

PAMLICO RIVER BASIN

0208455155 PAMLICO RIVER AT LIGHT 3—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	7.5	6.5	7.0	11.6	9.8	10.2	13.3	12.4	12.9	8.5	8.0	8.3
2	9.4	6.4	7.3	13.3	9.6	10.8	13.1	12.5	12.7	9.1	8.0	8.5
3	13.4	6.5	8.1	14.9	9.5	10.7	12.9	11.9	12.5	8.5	7.6	8.1
4	13.1	7.1	10	15.1	9.6	12.0	13.0	12.1	12.6	8.3	7.6	7.7
5	8.8	7.1	7.8	13.5	9.8	10.7	12.5	12.0	12.3	8.1	7.6	7.8
6	10.2	7.8	8.7	14.0	9.7	10.7	12.7	12.2	12.4	8.6	7.6	8.2
7	10.4	7.7	9.0	13.5	9.8	11.2	12.6	12.2	12.5	8.5	7.3	7.8
8	10	8.1	8.5	17.1	9.9	12.8	12.8	11.6	12.2	8.0	7.4	7.7
9	9.8	7.5	8.2	12.7	9.8	10.4	12.9	11.6	12.4	7.8	5.8	6.7
10	11.5	7.3	8.4	11.3	9.4	9.9	13.6	11.3	12.6	6.7	4.9	6.0
11	11.6	7.4	8.1	16.1	11.1	13.6	13.7	11.6	12.7	6.6	5.2	5.9
12	9.0	7.3	7.9	16.1	10.7	12.9	14.9	11.3	12.7	7.1	4.4	5.4
13	9.3	7.9	8.7	11.4	10.4	10.8	16.9	11.4	12.6	7.0	4.3	5.4
14	9.3	8.3	8.8	11.1	10.5	10.7	13.3	11.8	12.4	5.2	4.2	4.7
15	8.7	8.5	8.5	11.3	10.5	10.8	12.7	11.7	12.1	5.9	4.5	5.2
16	9.8	8.2	8.5	10.9	10.6	10.8	12.5	11.1	11.8	9.0	5.2	6.1
17	8.5	8.0	8.2	15.1	10.8	11.8	12.0	11.4	11.7	10.7	7.2	8.8
18	9.2	7.3	8.2	17.0	11.1	14.2	11.8	10.8	11.4	8.3	4.6	5.9
19	9.0	7.1	8.0	16.5	11.4	13.5	11.5	10	10.8	7.8	5.9	7.1
20	11.6	8.3	9.3	15.8	11.8	12.9	11.3	9.2	10.3	8.5	7.1	7.9
21	10.6	8.5	9.5	13.8	12.0	12.3	10.9	8.3	9.7	8.2	7.4	7.8
22	10.7	8.7	9.1	15.6	12.0	13.0	9.7	6.5	8.0	7.7	6.0	6.9
23	9.3	7.8	8.7	16.1	12.0	13.2	11.1	7.8	9.7	10.1	5.4	7.2
24	10.6	7.8	8.5	14.7	12.2	12.9	11.0	8.0	8.9	11.3	7.8	9.3
25	10.8	7.9	8.4	12.8	12.2	12.4	9.2	7.4	8.4	8.8	7.1	8.2
26	15.3	7.7	10.8	13.1	12.0	12.7	9.3	7.3	8.5	8.6	7.1	7.8
27	14.5	9.2	10.4	13.9	12.2	12.8	9.0	7.6	8.4	8.2	7.0	7.7
28	14.5	9.2	10.7	13.9	12.4	12.7	8.8	7.8	8.3	9.1	6.3	7.5
29	14.3	9.2	10.4	14.1	12.7	13.0	8.8	8.1	8.4	8.3	6.3	7.6
30	14.9	9.6	12.2	13.8	12.9	13.1	8.9	7.3	8.1	10.4	7.7	9.3
31	---	---	---	13.5	12.5	13.1	9.0	7.6	8.2	---	---	---
MONTH	15.3	6.4	8.9	17.1	9.4	12.0	16.9	6.5	10.9	11.3	4.2	7.3

0208455155 PAMLICO RIVER AT LIGHT 3—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	8.8	8.1	8.5	8.7	8.4	8.6	8.0	7.8	7.9	8.6	7.9	8.3
2	8.6	8.2	8.4	8.8	8.2	8.6	8.0	7.9	8.0	8.6	8.2	8.4
3	8.8	8.0	8.3	8.8	8.4	8.6	8.1	7.9	8.0	8.8	8.3	8.5
4	8.8	8.2	8.5	8.8	8.2	8.6	8.0	7.8	7.9	8.5	7.8	8.2
5	8.9	8.5	8.6	8.9	8.2	8.6	7.8	7.7	7.7	8.0	7.7	7.8
6	8.7	8.2	8.5	8.9	7.8	8.6	7.8	7.6	7.7	8.2	7.6	7.9
7	8.7	8.2	8.5	8.5	7.6	7.9	7.9	7.6	7.7	8.1	7.7	7.9
8	8.5	8.0	8.3	8.1	7.6	7.7	8.3	7.7	8.0	8.2	7.8	8.0
9	8.7	7.8	8.2	7.9	7.5	7.8	8.3	7.9	8.1	8.1	8.0	8.0
10	8.3	7.9	8.1	7.8	7.5	7.7	8.2	7.7	8.0	8.1	7.8	7.9
11	8.0	7.6	7.8	8.4	7.6	7.9	7.9	7.6	7.8	8.1	7.9	8.0
12	8.8	7.6	8.2	8.3	7.6	8.1	8.2	7.6	7.9	8.2	8.0	8.1
13	8.8	8.1	8.3	8.1	7.7	7.9	8.1	7.8	8.0	8.3	8.1	8.2
14	8.4	7.7	8.0	8.0	7.7	7.9	8.1	7.8	7.9	8.3	8.1	8.2
15	8.0	7.5	7.7	8.1	7.8	8.0	8.0	7.8	7.9	8.3	8.1	8.2
16	8.8	7.7	8.1	8.8	7.9	8.3	8.2	7.8	8.0	8.2	8.1	8.2
17	8.9	7.8	8.4	8.8	8.4	8.6	8.2	7.7	8.0	8.2	8.1	8.2
18	8.8	8.4	8.5	8.9	8.4	8.7	8.0	7.7	7.8	8.2	8.1	8.2
19	8.6	8.1	8.4	8.7	7.5	8.0	7.9	7.7	7.8	8.2	8.0	8.1
20	8.6	8.1	8.4	8.2	7.7	7.9	7.8	7.6	7.7	8.1	8.0	8.1
21	8.4	7.8	8.2	8.9	8.1	8.5	8.2	7.6	7.8	8.2	8.0	8.1
22	8.1	7.8	7.9	8.9	8.4	8.6	7.7	7.4	7.5	8.2	8.1	8.2
23	8.4	7.7	8.1	8.9	8.4	8.7	7.6	7.3	7.5	8.2	8.1	8.1
24	8.4	7.9	8.1	8.8	8.4	8.6	7.8	7.4	7.5	8.1	7.9	8.0
25	7.9	7.8	7.8	8.5	8.3	8.4	7.5	7.3	7.4	8.0	7.9	8.0
26	8.3	7.7	7.8	8.4	8.2	8.3	7.4	7.3	7.4	7.9	7.8	7.9
27	7.9	7.6	7.8	8.4	8.1	8.3	7.5	7.3	7.4	8.0	7.8	7.8
28	7.9	7.7	7.8	8.5	7.4	8.1	8.6	7.3	7.7	7.8	7.7	7.8
29	7.9	7.6	7.8	7.9	7.6	7.8	8.2	7.4	7.8	7.9	7.7	7.8
30	8.4	7.8	8.0	8.0	7.7	7.8	8.1	7.6	7.8	7.9	7.7	7.8
31	8.7	7.8	8.2	---	---	---	8.3	7.6	7.9	7.9	7.8	7.8
MONTH	8.9	7.5	8.2	8.9	7.4	8.2	8.6	7.3	7.8	8.8	7.6	8.1
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.9	7.8	7.8	8.8	8.3	8.6	7.9	7.5	7.7	7.5	7.2	7.3
2	8.0	7.8	7.9	8.6	8.4	8.5	7.8	7.6	7.6	7.4	7.2	7.3
3	7.9	7.7	7.8	8.8	8.1	8.5	7.7	7.6	7.7	7.5	7.2	7.3
4	8.0	7.8	7.9	8.8	8.3	8.6	7.8	7.6	7.7	7.9	7.3	7.4
5	8.0	7.8	7.9	8.8	8.4	8.6	7.6	7.5	7.5	7.8	7.1	7.5
6	8.0	7.9	8.0	8.6	7.6	8.1	7.8	7.4	7.6	8.2	7.3	7.7
7	8.0	7.8	7.9	8.3	7.6	8.1	7.9	7.4	7.7	8.6	7.4	8.1
8	7.9	7.8	7.8	7.7	7.6	7.6	8.0	7.7	7.8	8.5	8.0	8.3
9	8.0	7.8	7.9	7.8	7.6	7.7	8.0	7.5	7.8	8.4	7.7	8.1
10	8.2	7.9	8.0	7.7	7.5	7.6	7.8	7.4	7.6	8.3	7.5	8.0
11	8.4	8.0	8.2	8.0	7.6	7.7	7.6	7.3	7.4	8.3	7.6	8.0
12	8.4	8.0	8.1	8.3	7.6	8.0	7.6	7.3	7.4	8.4	7.3	8.0
13	8.2	7.9	8.0	8.5	7.9	8.1	7.4	7.2	7.3	8.5	7.8	8.1
14	8.6	8.1	8.3	8.3	7.8	8.1	7.5	7.3	7.4	8.5	7.6	8.1
15	8.5	7.9	8.2	8.6	7.8	8.2	7.6	7.3	7.4	8.4	7.8	8.1
16	8.0	7.7	7.8	8.3	7.9	8.2	7.8	7.4	7.5	8.6	7.7	8.1
17	8.1	7.8	7.9	8.3	8.0	8.0	8.2	7.5	7.8	8.7	7.6	8.0
18	8.0	7.8	7.9	8.3	7.7	8.0	8.0	7.4	7.7	8.4	7.2	7.8
19	8.4	7.9	8.1	8.0	7.5	7.7	7.7	7.4	7.6	8.2	7.3	7.7
20	8.6	8.2	8.3	8.0	7.5	7.7	7.9	7.2	7.6	8.6	7.5	8.0
21	8.3	7.7	8.1	8.0	7.6	7.8	7.7	7.2	7.5	8.7	7.6	8.2
22	8.3	8.1	8.2	8.0	7.6	7.8	7.6	7.2	7.4	8.4	7.7	8.1
23	8.5	8.2	8.3	8.4	7.7	8.0	7.9	7.3	7.5	8.1	7.3	7.7
24	8.4	8.2	8.2	8.4	8.0	8.3	7.8	7.3	7.5	8.0	7.4	7.7
25	8.3	8.0	8.1	8.6	8.0	8.4	7.5	7.1	7.4	8.3	7.5	7.8
26	8.1	7.8	8.0	8.6	8.1	8.4	7.6	7.3	7.4	8.3	7.4	7.9
27	7.8	7.6	7.7	8.8	8.3	8.6	7.6	7.2	7.4	8.2	7.4	7.9
28	8.0	7.7	7.9	8.8	8.3	8.5	8.1	7.4	7.6	8.2	7.6	7.9
29	8.6	7.9	8.2	8.4	7.7	8.0	7.9	7.2	7.6	8.2	7.6	7.9
30	---	---	---	8.1	7.7	7.9	7.7	7.2	7.4	7.9	7.6	7.7
31	---	---	---	8.0	7.7	7.8	---	---	---	8.0	7.5	7.8
MONTH	8.6	7.6	8.0	8.8	7.5	8.1	8.2	7.1	7.5	8.7	7.1	7.9

PAMLICO RIVER BASIN

0208455155 PAMLICO RIVER AT LIGHT 3—Continued

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

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

0208455155 PAMLICO RIVER AT LIGHT 3—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	8.4	7.2	8.0	8.7	7.4	8.1	8.0	7.8	7.9	8.2	7.3	7.7
2	8.5	7.4	8.0	8.8	7.4	7.7	8.0	7.9	8.0	8.4	7.0	7.4
3	8.3	7.2	7.7	8.6	7.4	7.8	8.1	7.9	8.0	8.3	7.0	7.2
4	8.3	7.0	7.5	8.3	7.4	7.8	8.0	7.9	8.0	7.6	7.1	7.2
5	8.6	6.8	7.4	7.8	7.3	7.5	8.0	7.9	7.9	7.9	7.3	7.6
6	7.9	7.0	7.2	7.6	7.4	7.5	7.9	7.8	7.9	8.0	7.4	7.8
7	7.5	6.9	7.1	8.3	7.4	7.7	8.0	7.8	7.9	8.1	7.7	7.9
8	8.2	6.8	7.0	8.5	7.4	7.9	7.9	7.7	7.9	8.2	7.8	8.0
9	8.7	6.8	7.6	8.4	8.0	8.2	7.9	7.7	7.7	8.1	7.9	8.0
10	8.3	7.7	8.1	8.2	7.9	8.1	7.9	7.5	7.7	8.1	7.8	7.9
11	8.1	7.7	7.9	8.3	7.8	8.0	7.9	7.6	7.8	8.1	7.9	8.0
12	8.6	7.5	7.9	8.7	7.9	8.4	7.8	7.6	7.7	8.2	8.0	8.1
13	8.5	7.2	7.8	8.6	8.1	8.2	8.1	7.6	7.9	8.3	8.1	8.2
14	8.3	7.3	7.8	8.2	8.0	8.1	8.0	7.8	7.9	8.3	8.1	8.2
15	8.1	7.6	7.8	8.3	8.1	8.2	8.1	7.8	7.9	8.3	8.1	8.2
16	8.2	7.6	7.8	8.3	8.0	8.2	7.8	7.6	7.7	8.2	8.1	8.2
17	8.3	7.2	7.9	8.2	8.0	8.1	8.1	7.6	7.8	8.2	7.9	8.1
18	8.6	7.2	8.3	8.0	7.2	7.6	8.0	7.6	7.7	8.2	7.9	8.1
19	8.5	7.3	8.2	8.0	7.2	7.6	7.9	7.6	7.8	8.2	8.0	8.1
20	8.2	7.2	7.5	7.9	7.6	7.8	7.9	7.7	7.8	8.1	8.0	8.1
21	8.2	7.2	7.8	8.3	7.6	8.0	8.1	7.7	7.8	8.2	8.0	8.1
22	8.2	7.8	8.0	8.4	7.5	8.1	7.8	7.6	7.7	8.2	8.0	8.1
23	8.4	7.9	8.1	8.4	7.4	7.8	7.6	7.4	7.5	8.2	8.0	8.1
24	8.3	7.8	8.0	8.3	7.4	7.7	7.6	7.4	7.5	8.1	7.8	8.0
25	8.0	7.8	7.9	8.6	7.4	8.3	7.8	7.4	7.5	8.0	7.9	8.0
26	7.8	7.6	7.7	8.6	7.7	8.2	7.8	7.4	7.5	7.9	7.8	7.9
27	8.0	7.5	7.7	8.5	7.5	7.9	8.2	7.5	7.7	8.0	7.8	7.8
28	8.0	7.4	7.6	8.5	7.5	8.0	8.3	7.3	7.9	7.8	7.7	7.8
29	8.0	7.4	7.8	8.0	7.7	7.9	8.1	7.2	7.6	7.8	7.6	7.7
30	8.0	7.5	7.8	8.0	7.6	7.8	7.8	7.2	7.5	7.9	7.6	7.8
31	8.4	7.6	7.9	---	---	---	8.0	7.2	7.5	7.9	7.8	7.8
MONTH	8.7	6.8	7.8	8.8	7.2	7.9	8.3	7.2	7.8	8.4	7.0	7.9
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.9	7.8	7.8	8.5	7.4	7.8	7.8	7.5	7.7	7.5	6.9	7.2
2	7.9	7.8	7.8	8.5	7.3	7.9	7.8	7.4	7.6	7.4	7.1	7.3
3	7.9	7.5	7.8	8.4	7.3	7.7	7.7	7.3	7.6	7.5	7.2	7.3
4	8.0	7.8	7.8	8.8	7.3	8.1	7.8	7.1	7.6	7.3	7.2	7.3
5	8.0	7.7	7.9	8.8	7.7	8.4	7.6	7.4	7.5	7.8	7.1	7.5
6	8.0	7.9	7.9	8.5	7.4	7.9	7.6	7.2	7.4	8.2	7.0	7.5
7	8.0	7.8	7.9	8.2	7.3	7.6	7.8	7.1	7.4	7.9	7.0	7.3
8	7.9	7.8	7.8	7.7	7.6	7.7	7.8	6.9	7.4	8.2	6.6	7.2
9	7.9	7.6	7.7	7.8	7.3	7.6	7.9	7.0	7.5	7.4	6.6	6.9
10	8.1	7.3	7.9	7.7	7.5	7.6	7.7	7.0	7.3	8.1	6.7	7.2
11	8.2	7.3	7.8	8.0	7.6	7.7	7.5	6.9	7.2	8.4	6.7	7.4
12	8.2	7.3	7.8	8.2	7.6	7.8	7.6	7.1	7.4	7.7	6.7	7.3
13	8.1	7.8	8.0	8.3	7.5	8.0	7.5	7.3	7.3	7.5	6.8	7.1
14	8.1	7.5	7.8	8.3	7.7	8.1	7.5	7.3	7.4	8.2	6.8	7.3
15	8.2	7.4	7.9	8.3	7.7	8.0	7.6	7.3	7.4	8.3	6.6	7.1
16	8.0	7.6	7.8	8.2	7.6	8.0	7.4	7.1	7.3	7.7	6.6	6.9
17	8.1	7.8	7.9	8.2	7.8	8.0	8.1	7.0	7.3	8.0	6.6	6.9
18	7.9	7.8	7.9	8.1	7.2	7.9	7.9	6.8	7.6	8.1	6.6	7.0
19	8.1	7.4	7.8	8.0	7.0	7.7	7.8	7.4	7.6	8.1	7.2	7.5
20	8.2	7.4	7.7	8.0	7.5	7.7	7.7	7.1	7.4	8.1	6.8	7.5
21	8.3	7.7	8.0	8.0	7.6	7.8	7.7	6.9	7.4	8.3	6.8	7.5
22	8.3	7.4	8.1	8.0	7.7	7.8	7.6	6.9	7.3	8.3	6.9	7.5
23	8.4	7.8	8.2	8.2	7.6	7.8	7.7	6.7	7.3	7.9	6.9	7.5
24	8.2	7.8	8.1	8.4	7.3	7.7	7.7	7.2	7.4	8.0	7.3	7.6
25	8.3	8.0	8.1	8.6	7.2	8.1	7.4	7.1	7.3	7.9	7.5	7.6
26	8.1	7.8	8.0	8.6	7.1	8.0	7.5	7.0	7.3	8.1	6.9	7.6
27	7.8	7.6	7.7	8.5	7.1	7.8	7.6	7.3	7.4	8.2	7.1	7.7
28	8.0	7.7	7.9	8.7	7.3	8.3	7.9	7.1	7.4	8.2	7.1	7.7
29	8.3	7.5	7.9	8.4	7.7	8.1	7.8	7.0	7.3	8.0	7.0	7.6
30	---	---	---	8.1	7.6	7.9	7.5	7.0	7.3	7.8	7.2	7.6
31	---	---	---	8.0	7.2	7.8	---	---	---	8.0	7.4	7.8
MONTH	8.4	7.3	7.9	8.8	7.0	7.9	8.1	6.7	7.4	8.4	6.6	7.4

PAMLICO RIVER BASIN

0208455155 PAMLICO RIVER AT LIGHT 3—Continued

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

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

0208455155 PAMLICO RIVER AT LIGHT 3—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	23.3	21.7	22.5	19.4	18.1	18.6	11.7	11.1	11.4	8.2	7.6	7.9
2	22.6	21.7	22.1	19.2	18.0	18.7	11.4	10.3	10.9	8.2	7.6	7.9
3	21.9	20.4	20.9	20.8	18.4	19.2	10.4	9.4	10	9.4	7.9	8.5
4	21.4	20.1	20.7	20.8	18.8	19.9	9.6	8.9	9.3	10.7	8.9	9.8
5	22.0	20.4	20.9	21.3	19.6	20.4	9.3	8.9	9.1	11.1	10.1	10.7
6	21.6	20.2	20.9	21.7	20.2	21.0	9.2	8.5	9.0	11.4	10.3	11.0
7	21.6	20.6	21.1	21.3	19.9	20.6	8.5	7.8	8.2	10.3	8.6	9.3
8	21.3	21.0	21.2	19.9	18.5	19.3	8.2	7.2	7.7	8.6	7.8	8.1
9	21.6	21.0	21.3	18.5	16.4	17.4	8.0	7.0	7.6	7.9	6.8	7.5
10	21.7	21.4	21.5	16.4	15.7	16.1	8.9	7.3	8.0	7.2	5.3	6.2
11	21.5	21.1	21.3	16.5	15.4	15.8	9.6	8.8	9.0	5.4	4.9	5.1
12	21.7	20.8	21.2	16.8	15.4	16.1	9.5	8.4	8.9	5.0	3.9	4.6
13	22.0	20.9	21.3	16.3	15.0	16.0	8.9	8.3	8.5	5.3	4.0	4.9
14	21.6	21.0	21.1	15.0	13.2	14.0	8.7	8.3	8.5	5.4	4.8	5.1
15	21.1	19.8	20.3	13.6	12.4	12.9	8.4	7.8	8.1	5.8	5.0	5.3
16	20.9	19.4	19.8	17.3	12.4	13.7	8.3	7.1	7.9	5.4	4.9	5.1
17	20.5	18.9	19.6	14.5	13.5	13.7	9.1	8.1	8.6	5.3	4.5	4.8
18	19.9	19.0	19.5	15.2	13.8	14.7	8.3	7.6	7.9	5.8	4.9	5.3
19	19.3	18.4	18.9	15.1	14.3	14.8	7.8	7.2	7.5	6.2	5.5	5.9
20	19.8	18.5	19.1	15.1	14.4	14.7	7.2	6.7	7.0	5.5	4.8	5.1
21	19.3	18.5	19.0	15.9	14.0	14.7	7.0	6.2	6.6	5.0	4.4	4.7
22	19.5	18.7	19.1	16.1	14.2	15.0	6.5	5.8	6.1	5.3	4.2	4.6
23	18.7	17.9	18.3	15.7	14.4	14.9	6.9	5.7	6.3	4.9	4.5	4.7
24	17.9	17.1	17.4	15.7	14.3	14.9	8.3	6.8	7.6	5.2	4.4	4.8
25	17.1	16.9	17.0	15.3	14.3	14.9	8.0	7.0	7.7	4.7	3.7	4.3
26	18.0	16.9	17.3	14.3	13.8	14.1	7.4	6.9	7.1	4.0	3.7	3.8
27	18.3	17.2	17.8	14.0	13.5	13.8	7.2	6.4	6.8	3.9	3.6	3.8
28	18.0	17.8	17.9	15.5	13.8	14.5	8.3	6.2	6.9	3.6	2.8	3.3
29	18.2	17.6	17.9	14.6	12.2	13.2	7.8	6.4	6.9	3.7	2.8	3.2
30	18.0	17.3	17.6	12.3	11.1	11.7	8.1	7.6	7.9	4.0	3.1	3.4
31	19.0	17.4	17.8	---	---	---	8.8	7.4	7.9	3.8	3.0	3.4
MONTH	23.3	16.9	19.8	21.7	11.1	16.0	11.7	5.7	8.1	11.4	2.8	5.9
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	3.4	2.9	3.2	9.3	6.8	8.1	13.5	12.7	13.2	20.6	20.0	20.4
2	5.1	2.8	3.3	10.1	8.7	9.5	13.2	12.2	12.8	21.6	20.3	20.8
3	4.5	3.2	3.8	13.2	10.0	10.7	13.2	12.3	12.8	21.8	20.4	20.9
4	5.4	3.7	4.5	12.3	10.7	11.5	13.2	12.5	12.8	21.3	19.6	20.2
5	5.1	4.1	4.6	13.4	12.2	12.8	12.6	11.9	12.3	20.8	19.0	19.8
6	7.4	4.4	5.6	14.1	12.7	13.4	13.2	11.4	12.2	22.1	19.3	20.4
7	8.2	6.5	7.3	14.7	12.8	13.9	14.8	11.8	13.1	23.5	20.2	21.5
8	7.2	6.3	6.6	13.0	11.8	12.4	15.4	13.5	14.3	23.0	21.8	22.3
9	6.8	5.7	6.3	12.6	11.7	12.1	16.4	14.5	15.0	24.7	22.3	22.9
10	7.3	6.5	6.9	12.0	10.3	11.2	15.4	14.6	15.0	24.8	22.6	23.5
11	8.5	7.1	7.7	11.2	10.4	10.7	16.0	15.0	15.5	25.3	23.2	24.1
12	8.1	7.2	7.5	11.6	10.2	10.8	15.8	15.5	15.6	25.6	23.6	24.5
13	7.9	7.0	7.4	12.1	10.6	11.1	17.2	15.6	16.2	25.7	24.2	24.8
14	8.0	7.4	7.6	11.3	10.5	10.9	17.0	15.9	16.5	26.1	24.2	25.0
15	7.9	7.4	7.8	12.0	11.1	11.5	16.1	15.2	15.6	25.9	24.5	25.2
16	7.4	6.2	6.6	12.0	11.6	11.8	17.0	14.7	15.6	26.8	24.7	25.4
17	6.4	5.8	6.0	11.8	11.1	11.5	18.1	15.0	16.1	26.7	24.9	25.5
18	6.1	5.6	5.8	11.7	10.8	11.2	18.3	15.9	16.9	27.2	24.1	25.4
19	7.1	5.4	6.1	12.3	11.1	11.6	18.8	17.0	17.9	26.2	24.2	25.1
20	7.6	6.0	6.8	12.3	11.2	11.7	21.4	17.5	18.9	28.3	24.7	26.0
21	8.3	6.9	7.7	12.9	11.7	12.3	20.6	18.6	19.4	28.7	25.5	26.7
22	9.1	7.7	8.2	12.2	11.4	11.8	20.8	19.3	19.8	27.9	26.1	27.0
23	9.1	7.7	8.3	13.1	10.9	11.5	22.5	19.9	20.7	27.8	25.9	26.7
24	8.5	8.2	8.3	11.6	10.1	11.1	21.6	20.2	20.9	27.2	25.6	26.3
25	8.6	7.8	8.1	12.8	11.1	12.0	20.9	20.4	20.6	29.2	25.5	26.8
26	7.8	6.8	7.4	14.0	11.7	12.8	21.5	20.5	20.9	28.6	25.9	27.3
27	7.1	6.6	6.9	15.4	13.0	14.1	21.1	20.4	20.7	28.3	27.0	27.6
28	7.1	6.2	6.7	15.1	14.4	14.8	21.8	19.5	20.4	28.1	27.0	27.5
29	9.0	5.9	7.3	14.4	13.6	13.9	20.9	19.2	20.0	27.6	26.7	27.2
30	---	---	---	14.2	12.9	13.3	20.9	19.4	20.2	26.8	25.7	26.1
31	---	---	---	13.8	13.1	13.4	---	---	---	26.4	25.6	26.0
MONTH	9.1	2.8	6.6	15.4	6.8	11.9	22.5	11.4	16.7	29.2	19.0	24.5

PAMLICO RIVER BASIN

0208455155 PAMLICO RIVER AT LIGHT 3—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	26.9	25.8	26.3	28.8	27.1	27.6	29.5	28.4	28.9	27.7	26.9	27.2
2	28.0	25.7	26.7	29.0	27.3	27.8	29.3	28.7	29.0	26.9	26.3	26.6
3	29.6	26.4	27.2	29.2	27.2	27.9	28.8	27.9	28.3	27.1	25.9	26.4
4	27.4	26.3	26.8	28.4	27.6	28.0	30.4	27.5	28.5	27.0	26.2	26.6
5	27.5	25.6	26.5	30.0	27.6	28.6	30.0	28.2	28.9	27.6	26.2	26.8
6	27.2	25.7	26.6	30.8	28.8	29.5	28.8	27.2	28.0	27.2	26.6	27.0
7	27.7	26.2	26.9	31.1	29.1	30.1	27.9	26.5	27.2	26.9	26.4	26.6
8	28.6	26.7	27.4	31.0	29.3	30.1	27.9	26.1	26.9	27.0	26.4	26.7
9	29.4	27.0	27.7	31.5	29.0	30.1	27.7	26.0	26.5	27.0	26.4	26.7
10	28.8	27.2	27.9	31.6	29.6	30.4	27.9	26.0	26.8	27.0	26.4	26.6
11	29.6	27.4	28.4	30.6	29.8	30.2	28.2	26.5	27.1	26.6	25.7	26.0
12	28.5	26.8	27.6	30.5	29.7	29.9	27.3	26.4	26.8	26.0	25.2	25.6
13	26.8	26.0	26.5	30.4	29.0	29.7	26.9	26.3	26.6	25.8	24.7	25.2
14	26.6	25.8	26.1	30.9	29.4	30.0	26.6	25.8	26.3	25.2	24.7	24.9
15	27.1	25.7	26.3	30.4	29.3	29.8	25.8	25.4	25.6	25.6	24.6	24.9
16	27.0	26.2	26.6	29.8	28.8	29.3	26.8	25.2	25.8	26.4	24.8	25.4
17	27.0	26.2	26.6	29.1	28.3	28.7	27.6	25.6	26.4	26.0	25.2	25.7
18	29.1	26.5	27.6	30.0	28.1	28.5	27.0	25.7	26.2	25.5	24.1	24.8
19	30.5	27.4	28.5	31.1	27.9	28.7	28.7	26.0	26.8	24.1	22.6	23.3
20	28.9	27.4	28.2	31.0	28.2	28.8	28.9	26.5	27.6	22.7	21.8	22.2
21	27.8	26.5	27.2	30.6	28.0	29.1	28.3	27.5	27.9	22.8	21.4	22.2
22	28.1	26.4	27.2	30.9	28.6	29.3	27.7	27.0	27.3	24.6	21.4	22.7
23	29.0	27.1	28.0	29.4	28.0	28.7	27.7	26.1	26.8	24.6	22.3	23.1
24	28.5	27.7	28.1	30.3	27.7	28.6	27.2	26.2	26.7	24.0	22.4	23.1
25	29.6	27.6	28.3	30.1	28.2	29.0	27.0	25.8	26.3	23.8	22.5	23.1
26	28.4	27.4	27.8	30.1	29.0	29.5	27.1	26.0	26.5	23.8	22.9	23.3
27	27.9	27.0	27.3	29.8	29.0	29.4	27.4	26.4	26.9	23.7	23.0	23.3
28	27.7	26.9	27.2	29.2	28.1	28.6	27.9	26.5	27.1	24.2	23.2	23.6
29	29.4	26.9	27.4	28.8	27.8	28.2	27.8	26.9	27.3	25.3	23.3	23.8
30	27.9	26.8	27.4	29.0	28.1	28.6	27.5	26.9	27.2	24.6	23.8	24.0
31	---	---	---	29.5	28.3	28.7	28.7	26.6	27.5	---	---	---
MONTH	30.5	25.6	27.3	31.6	27.1	29.1	30.4	25.2	27.2	27.7	21.4	24.9

0208455155 PAMLICO RIVER AT LIGHT 3—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	23.6	22.6	23.1	18.3	17.6	18.0	11.7	11.1	11.4	8.0	7.7	7.9
2	23.4	21.8	22.4	18.6	17.8	18.1	11.4	10.7	11.0	8.4	7.9	8.1
3	21.9	20.6	21.2	18.8	18.1	18.3	11.0	9.4	10.0	8.3	8.0	8.2
4	21.9	20.8	21.3	18.7	18.2	18.4	9.7	8.9	9.3	9.1	8.1	8.3
5	21.9	20.7	21.3	18.8	18.1	18.3	9.3	9.1	9.2	11.1	8.1	9.4
6	21.5	21.4	21.5	18.6	18.2	18.3	9.2	8.6	9.0	11.4	10.4	10.9
7	21.6	21.3	21.5	20.7	18.3	19.0	8.6	8.0	8.2	10.4	8.6	9.3
8	21.6	21.2	21.5	19.6	18.6	19.0	8.6	7.6	7.9	8.7	7.8	8.2
9	21.6	21.1	21.5	18.8	16.4	17.5	8.7	7.8	8.4	8.1	6.9	7.6
10	21.7	21.4	21.5	16.7	15.9	16.2	8.9	7.9	8.5	7.2	5.4	6.2
11	21.5	21.1	21.3	16.3	15.5	16.0	9.4	8.7	9.0	5.5	5.1	5.3
12	21.5	20.8	21.0	16.6	15.7	16.1	9.1	8.6	8.8	5.1	3.9	4.7
13	21.3	21.0	21.1	16.3	15.1	16.0	9.1	8.3	8.6	5.4	4.4	5.0
14	21.6	21.0	21.2	15.1	13.5	14.2	8.6	8.3	8.4	5.5	4.8	5.1
15	21.1	19.8	20.3	13.7	12.6	13.1	8.4	7.9	8.1	5.8	5.1	5.4
16	19.9	19.4	19.7	14.0	13.2	13.5	8.4	8.1	8.3	5.5	5.0	5.1
17	19.6	18.9	19.2	14.1	13.2	13.7	9.0	8.2	8.5	5.2	4.6	4.9
18	19.6	19.0	19.4	14.2	13.5	14.0	8.3	7.9	8.2	5.9	4.8	5.3
19	19.3	18.5	18.8	15.2	13.6	14.4	8.3	7.4	7.8	6.3	5.5	6.0
20	19.2	18.6	19.1	15.1	14.5	14.7	7.6	6.7	7.1	5.5	4.9	5.1
21	19.3	18.9	19.1	14.8	14.0	14.3	7.0	6.3	6.6	5.0	4.5	4.8
22	19.4	18.7	19.1	14.8	14.3	14.5	6.8	6.1	6.5	5.1	4.3	4.7
23	18.7	18.0	18.3	14.9	14.5	14.6	7.1	6.3	6.6	5.0	4.5	4.7
24	18.4	17.1	17.6	14.8	14.6	14.6	7.3	6.4	7.0	5.3	4.5	4.9
25	17.4	16.9	17.2	15.2	14.4	14.8	7.8	7.2	7.6	4.8	3.8	4.3
26	17.4	17.1	17.3	14.8	14.1	14.4	7.5	7.0	7.2	4.0	3.8	3.9
27	18.3	17.2	17.6	14.6	14.3	14.5	7.2	6.4	6.8	4.0	3.7	3.8
28	17.9	17.6	17.7	15.5	13.9	14.6	7.3	6.6	7.0	3.7	3.1	3.4
29	18.2	17.7	17.9	14.7	12.2	13.2	7.8	6.7	7.2	3.7	2.9	3.3
30	18.0	17.4	17.7	12.4	11.2	11.8	8.3	7.3	7.8	3.9	3.2	3.5
31	17.9	17.4	17.7	---	---	---	8.2	7.5	7.9	3.8	3.1	3.4
MONTH	23.6	16.9	19.8	20.7	11.2	15.6	11.7	6.1	8.2	11.4	2.9	5.8
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	3.5	3.0	3.2	7.9	6.7	7.1	13.4	12.7	13.2	20.6	20.0	20.3
2	3.5	2.9	3.2	10.0	6.8	8.3	13.2	12.2	12.8	21.5	20.3	20.8
3	4.3	3.3	3.7	10.0	6.9	8.6	13.0	12.3	12.6	21.8	20.4	20.9
4	5.0	3.8	4.3	12.2	7.7	10.2	13.2	12.5	12.8	20.4	19.6	19.9
5	5.1	4.2	4.6	13.2	9.6	12.0	12.6	11.8	12.3	20.6	19.1	19.7
6	7.5	4.6	5.8	13.6	12.1	13.1	12.4	11.3	11.8	21.2	19.2	20.0
7	8.3	6.6	7.4	13.9	11.4	12.5	13.1	11.8	12.2	21.2	20.4	20.6
8	7.2	6.3	6.7	13.0	11.8	12.4	13.5	12.0	12.8	22.9	20.5	21.5
9	6.8	6.1	6.6	12.3	11.7	12.0	15.5	12.4	14.0	22.3	20.6	21.3
10	7.2	6.6	6.9	12.0	10.3	11.1	15.2	12.9	14.2	23.4	20.7	22.2
11	7.6	6.9	7.2	11.1	10.3	10.6	15.8	13.9	15.1	24.3	21.3	22.9
12	7.4	7.0	7.2	11.3	10.2	10.6	15.8	15.3	15.5	24.6	22.1	23.6
13	7.8	7.0	7.3	11.4	10.6	10.8	17.1	15.6	16.2	24.4	23.3	24.0
14	7.7	7.2	7.5	11.3	10.5	10.9	16.8	15.9	16.4	25.1	23.6	24.2
15	7.9	7.2	7.6	11.6	11.0	11.2	16.1	15.2	15.6	25.6	22.3	23.7
16	7.4	6.1	6.6	11.8	11.2	11.5	15.7	15.0	15.4	25.0	22.8	24.0
17	6.4	5.7	6.0	11.8	11.2	11.5	16.1	15.4	15.6	25.7	23.0	24.3
18	6.1	5.6	5.9	11.5	10.8	11.1	18.1	15.9	16.6	26.3	22.9	24.3
19	6.8	5.6	5.9	12.2	10.9	11.5	18.7	16.9	17.7	26.1	24.3	25.1
20	7.2	6.0	6.3	12.2	10.9	11.6	19.2	17.4	17.9	26.3	24.2	25.0
21	8.3	6.8	7.7	12.8	11.6	12.2	20.5	17.5	18.9	27.2	24.3	25.8
22	8.5	7.3	8.0	12.2	11.4	11.7	20.4	18.9	19.6	27.6	25.0	26.3
23	8.7	7.8	8.1	11.6	10.8	11.1	21.8	18.8	20.3	27.3	25.4	26.5
24	8.3	8.1	8.2	11.5	10.9	11.2	21.6	20.1	20.8	27.2	25.6	26.3
25	8.5	7.8	8.1	12.7	11.1	11.8	20.9	20.4	20.6	27.3	25.6	26.1
26	7.8	6.8	7.4	13.5	11.8	12.6	21.5	20.5	20.8	27.9	25.9	26.7
27	7.1	6.6	6.9	14.2	11.9	13.2	21.0	20.4	20.7	28.2	26.8	27.3
28	7.1	6.2	6.7	15.0	13.5	14.5	20.6	19.4	19.8	27.9	26.8	27.3
29	7.2	6.3	6.8	14.3	13.6	13.9	20.6	19.5	19.9	27.4	26.7	27.1
30	---	---	---	13.7	12.9	13.2	20.8	19.5	20.0	26.8	25.7	26.2
31	---	---	---	13.6	12.9	13.3	---	---	---	26.4	25.6	26.0
MONTH	8.7	2.9	6.5	15.0	6.7	11.5	21.8	11.3	16.4	28.2	19.1	23.9

PAMLICO RIVER BASIN

0208455155 PAMLICO RIVER AT LIGHT 3—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	26.8	25.8	26.2	27.5	27.1	27.3	29.3	28.5	28.8	27.4	26.9	27.2
2	27.3	25.8	26.2	27.8	27.1	27.4	29.2	28.6	28.9	26.9	26.3	26.6
3	26.7	25.9	26.4	28.1	27.0	27.4	28.8	27.9	28.3	26.8	25.8	26.2
4	26.8	25.8	26.2	28.2	27.0	27.6	28.5	27.6	27.9	26.9	26.2	26.5
5	27.3	25.7	26.2	28.5	27.3	27.8	29.3	28.1	28.6	27.6	26.2	26.7
6	26.9	26.0	26.3	29.1	27.8	28.6	29.0	27.2	28.0	27.2	26.6	27.0
7	26.9	26.0	26.2	29.6	28.4	29.1	27.2	26.5	26.8	27.0	26.4	26.6
8	27.8	26.1	26.9	29.8	27.9	28.9	27.1	26.3	26.6	27.0	26.4	26.7
9	27.9	26.5	27.3	30.3	29.0	29.4	26.6	26.2	26.4	27.0	26.4	26.7
10	28.6	26.3	27.4	30.3	29.6	29.8	27.0	26.2	26.6	26.8	26.4	26.6
11	28.5	26.4	27.6	29.9	28.4	29.1	27.2	26.4	26.7	26.7	25.8	26.1
12	28.5	26.8	27.6	29.9	28.3	29.2	27.0	26.4	26.8	26.0	25.3	25.5
13	26.8	26.1	26.5	30.3	29.0	29.6	26.9	26.4	26.7	25.6	24.9	25.2
14	26.3	25.9	26.1	30.6	29.4	29.8	26.6	25.9	26.4	25.2	24.7	24.9
15	26.8	25.7	26.2	30.1	29.3	29.6	25.9	25.5	25.7	25.0	24.5	24.8
16	26.8	26.3	26.6	29.7	28.8	29.1	26.2	25.4	25.7	25.3	24.7	24.9
17	27.0	26.2	26.6	29.0	28.5	28.7	26.3	25.7	25.9	26.0	24.7	25.3
18	28.5	26.5	27.0	28.8	28.2	28.6	26.3	25.6	25.9	25.5	24.1	24.8
19	29.1	27.4	27.7	29.4	28.1	28.4	26.8	26.0	26.2	24.1	22.6	23.3
20	28.2	26.7	27.7	29.1	28.0	28.5	27.2	26.2	26.7	22.8	22.0	22.4
21	27.5	26.7	27.2	29.3	28.0	28.5	28.0	26.7	27.3	22.6	21.5	22.0
22	27.6	26.8	27.2	29.7	28.5	28.8	27.6	26.9	27.2	23.9	21.8	22.3
23	28.7	27.0	27.6	29.1	28.1	28.7	27.5	26.7	26.9	23.1	22.0	22.6
24	28.4	27.5	28.0	29.1	27.7	28.1	27.1	26.2	26.7	23.0	22.2	22.6
25	28.3	27.4	27.7	28.8	28.2	28.4	26.8	25.7	26.2	23.0	22.3	22.6
26	28.3	26.7	27.4	29.5	28.5	28.8	26.8	26.0	26.3	23.3	22.5	22.9
27	27.8	27.0	27.3	29.5	28.5	29.0	27.4	26.4	26.9	23.6	23.1	23.3
28	27.7	27.0	27.4	29.2	28.1	28.6	27.2	26.4	26.7	24.2	23.3	23.6
29	28.1	26.9	27.1	28.8	27.8	28.2	27.8	27.0	27.4	24.1	23.4	23.6
30	27.4	27.0	27.2	28.9	28.2	28.5	27.5	26.9	27.2	24.1	23.6	23.8
31	---	---	---	29.2	28.3	28.7	27.4	26.7	26.9	---	---	---
MONTH	29.1	25.7	27.0	30.6	27.0	28.7	29.3	25.4	26.9	27.6	21.5	24.8

0208455155 PAMLICO RIVER AT LIGHT 3—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
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	10.5	7.7	9.0	---	---	---	10.1	9.3	9.7	13.0	11.4	12.3
2	9.8	8.3	8.9	---	---	---	10.2	9.7	9.9	13.4	12.1	12.6
3	10.9	7.7	8.7	---	---	---	10.5	9.8	10.1	13.6	12.3	12.8
4	11.3	8.6	9.9	---	---	---	10.2	9.8	10	12.6	10.7	11.7
5	12.2	9.9	10.6	---	---	---	10.4	9.8	10.1	10.8	9.9	10.4
6	11.6	9.4	10.4	---	---	---	10.2	9.7	10	10.9	9.7	10.1
7	11.8	9.4	10.7	---	---	---	10.8	9.9	10.3	10.8	9.9	10.3
8	10.7	8.3	9.5	---	---	---	12.4	10.4	11.2	11.2	10.3	10.7
9	10.2	7.3	8.4	---	---	---	12.5	10.9	11.7	10.9	10.3	10.6
10	8.6	7.2	7.6	---	---	---	11.8	9.8	11.0	11.2	10.3	10.8
11	7.7	7.0	7.4	---	---	---	10.3	9.4	9.9	11.8	10.8	11.3
12	12.4	7.1	9.3	---	---	---	11.1	9.6	10.4	13.0	11.5	12.1
13	12.1	8.9	9.8	---	---	---	10.8	10.2	10.5	12.6	11.9	12.3
14	9.8	7.4	8.5	---	---	---	10.9	10.0	10.3	12.6	11.8	12.2
15	8.9	6.7	7.8	---	---	---	11.0	10.3	10.5	12.3	11.8	12.1
16	12.4	7.7	8.9	---	---	---	11.6	10.3	10.8	12.3	11.6	12.0
17	13.4	8.2	10.1	---	---	---	11.5	10.1	10.8	12.3	11.6	12.0
18	11.8	9.2	9.7	---	---	---	11.2	10.3	10.7	12.3	11.5	11.9
19	10.8	8.5	9.5	11.5	7.1	9.1	10.9	10.5	10.7	12.0	11.2	11.5
20	10.7	8.7	9.6	9.8	8.5	9.0	10.9	10.5	10.7	12.0	11.2	11.6
21	9.6	8.1	8.9	13.7	9.3	10.6	12.0	10.7	11.1	12.3	11.4	11.8
22	8.9	7.9	8.3	12.7	10.2	11.3	11.3	10.8	11.0	12.5	11.7	12.1
23	---	---	---	13.1	10.2	11.6	11.3	10.8	11.0	12.2	11.7	11.9
24	---	---	---	12.6	10.6	11.4	11.3	10.9	11.1	12.2	11.4	11.8
25	---	---	---	10.7	9.7	10.2	11.0	10.4	10.7	11.9	11.4	11.6
26	---	---	---	10.0	9.3	9.8	10.8	10.4	10.6	11.9	11.5	11.7
27	---	---	---	9.9	9.2	9.5	11.1	10.6	10.8	12.1	11.4	11.7
28	---	---	---	10.1	6.9	9.0	13.6	10.6	11.3	12.4	11.7	11.9
29	---	---	---	9.3	7.9	8.9	12.3	11.0	11.6	12.5	11.7	12.1
30	---	---	---	10.0	8.8	9.3	12.2	10.9	11.5	12.5	11.5	12.0
31	---	---	---	---	---	---	12.5	10.9	11.5	12.6	12.0	12.2
MONTH	---	---	---	---	---	---	13.6	9.3	10.7	13.6	9.7	11.7
	FEBRUARY			MARCH			APRIL			MAY		
1	12.6	12.1	12.4	---	---	---	10.3	9.3	9.7	7.6	6.0	7.0
2	12.9	12.3	12.5	---	---	---	10.2	9.4	9.8	7.6	5.9	6.8
3	12.6	11.7	12.3	---	---	---	10.2	9.5	9.9	7.7	6.0	6.8
4	12.7	12.0	12.4	---	---	---	10.2	9.6	9.9	8.9	6.8	7.5
5	12.7	12.2	12.4	---	---	---	10.1	9.5	9.8	9.0	5.9	7.7
6	12.6	11.9	12.4	---	---	---	10.9	9.3	10.1	8.9	6.8	8.0
7	12.1	11.4	11.7	---	---	---	10.7	9.7	10.3	10.3	7.2	8.9
8	11.9	11.2	11.6	---	---	---	10.7	10.0	10.3	9.5	8.6	9.0
9	12.3	11.5	11.8	---	---	---	10.4	9.3	10.1	9.4	7.9	8.7
10	12.5	11.7	12.0	10.2	9.1	9.7	10.1	8.8	9.4	9.2	7.7	8.5
11	12.5	11.8	12.2	11.1	9.7	10.3	9.1	8.2	8.7	9.3	7.7	8.4
12	12.3	11.2	11.8	12.2	10.2	11.1	9.2	7.8	8.5	9.3	7.4	8.5
13	---	---	---	13.0	10.7	11.3	8.7	7.7	8.1	9.4	7.8	8.4
14	---	---	---	11.8	10.6	11.3	8.6	7.7	8.2	9.3	7.6	8.4
15	---	---	---	13.0	10.5	11.5	8.8	8.0	8.3	8.9	7.7	8.3
16	---	---	---	11.8	10.6	11.3	9.6	8.3	8.8	9.2	7.3	8.1
17	---	---	---	11.9	10.6	10.9	10.1	8.6	9.4	9.8	6.8	7.8
18	---	---	---	11.6	10.2	10.8	9.6	8.3	8.9	9.0	6.2	7.4
19	---	---	---	10.9	9.3	10.1	8.9	7.9	8.5	8.3	6.3	7.2
20	---	---	---	11.1	9.6	10.3	9.2	7.2	8.4	9.7	6.7	7.9
21	---	---	---	10.9	9.9	10.4	8.7	7.4	8.3	10.2	7.1	8.4
22	---	---	---	11.0	9.9	10.5	8.5	7.1	8.0	8.7	7.2	7.9
23	---	---	---	12.3	10.2	11.2	8.7	7.7	8.2	8.2	6.0	7.0
24	---	---	---	12.1	10.9	11.6	8.4	7.2	7.9	8.1	6.2	7.2
25	---	---	---	12.9	10.8	11.9	7.9	6.2	7.3	8.8	6.8	7.6
26	---	---	---	12.4	11.0	11.8	8.2	7.3	7.7	8.5	6.3	7.5
27	---	---	---	12.5	11.1	11.9	8.3	6.9	7.6	7.9	5.8	7.2
28	---	---	---	12.5	10.5	11.4	9.6	7.4	8.2	7.9	6.4	7.1
29	---	---	---	10.6	9.5	10.0	9.2	7.0	8.3	8.0	6.3	7.1
30	---	---	---	10.6	9.6	10.1	8.4	6.2	7.4	7.3	6.3	6.8
31	---	---	---	10.5	9.6	10	---	---	---	7.6	6.4	7.1
MONTH	---	---	---	---	---	---	10.9	6.2	8.8	10.3	5.8	7.7

PAMLICO RIVER BASIN

0208455155 PAMLICO RIVER AT LIGHT 3—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.8	6.7	7.2	7.8	5.7	6.9	6.9	5.6	6.2	7.8	6.3	6.8
2	8.6	6.4	7.6	7.9	6.8	7.2	7.2	5.4	6.3	8.1	5.9	7.0
3	9.0	6.2	7.5	8.6	6.3	7.3	7.7	5.3	6.3	8.6	6.6	7.5
4	7.7	5.6	6.7	7.8	6.3	7.2	12.3	5.6	8.0	8.8	7.2	7.9
5	8.2	5.2	6.8	8.0	6.3	7.2	8.8	6.4	7.6	9.5	7.0	8.0
6	7.7	6.4	7.2	7.7	6.8	7.2	7.5	6.2	6.8	8.2	6.6	7.6
7	8.1	6.4	7.3	7.8	6.4	7.2	8.3	6.5	7.3	8.1	6.2	6.8
8	7.6	6.5	7.0	7.9	6.0	7.0	8.8	7.4	8.0	8.2	6.2	6.8
9	8.0	6.0	6.8	8.3	5.9	7.1	8.6	7.2	7.8	7.8	6.4	7.1
10	7.5	5.6	6.6	8.5	6.7	7.4	8.6	7.0	7.8	9.3	7.0	7.9
11	7.8	6.3	7.0	7.6	6.4	7.0	9.1	7.2	8.0	8.6	6.5	7.6
12	7.0	6.0	6.4	7.7	6.6	7.1	8.8	6.9	7.7	9.1	6.9	7.9
13	7.0	5.9	6.4	7.1	5.7	6.5	7.7	5.6	6.9	9.4	7.6	8.1
14	7.1	6.3	6.7	7.6	6.0	6.5	7.2	5.7	6.7	8.1	7.4	7.8
15	7.1	6.6	6.8	7.7	6.0	6.8	7.5	6.1	6.6	10.1	6.9	8.1
16	7.4	6.6	6.9	8.2	6.5	7.2	9.7	6.3	7.8	14.0	7.6	9.7
17	7.0	6.2	6.7	8.0	6.8	7.4	9.7	7.5	8.6	9.2	5.7	7.5
18	7.5	6.0	6.7	8.6	6.6	7.3	9.0	7.2	7.9	7.5	5.4	6.9
19	7.5	6.5	7.0	9.6	6.4	7.5	9.8	7.2	8.1	8.2	6.9	7.4
20	7.2	6.4	6.8	8.6	6.4	7.3	9.1	6.2	8.1	8.0	7.4	7.6
21	7.1	6.2	6.6	8.9	5.8	7.2	8.8	7.5	8.1	8.8	7.2	7.9
22	7.2	6.3	6.7	7.6	6.2	6.7	8.8	7.3	7.8	11.3	8.1	9.6
23	8.0	6.5	7.2	6.5	5.2	5.8	10.4	7.5	8.6	10.7	9.4	10
24	8.6	7.1	7.8	8.4	4.6	6.4	---	---	---	9.4	8.4	8.8
25	9.4	7.6	8.2	7.3	6.2	6.7	---	---	---	8.5	7.6	8.0
26	7.9	6.6	7.2	7.5	6.5	6.9	---	---	---	9.0	7.4	8.1
27	8.0	6.6	7.4	7.2	5.3	6.3	7.6	6.2	6.9	7.7	6.3	7.0
28	8.2	7.1	7.6	5.8	4.8	5.2	9.1	6.2	7.3	7.8	5.5	6.6
29	9.0	6.8	7.6	6.7	4.7	5.3	8.2	6.8	7.5	10.2	7.1	7.9
30	7.7	5.7	7.0	6.4	5.2	5.7	8.0	6.6	7.1	9.3	7.2	7.9
31	---	---	---	6.9	5.3	6.1	10.0	6.6	7.8	---	---	---
MONTH	9.4	5.2	7.0	9.6	4.6	6.8	---	---	---	14.0	5.4	7.8

0208455155 PAMLICO RIVER AT LIGHT 3—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	9.2	3.7	7.4	10.4	5.2	8.7	9.3	8.6	9.0	12.0	8.7	10.6
2	9.8	5.1	7.9	10.9	4.7	6.7	9.6	8.8	9.3	12.5	5.6	8.6
3	9.1	5.2	7.3	9.8	4.1	7.0	9.9	8.8	9.5	12.4	5.2	6.7
4	9.2	3.4	6.5	9.2	3.5	6.8	9.8	9.3	9.6	9.4	6.2	7.1
5	10.5	1.0	5.0	7.5	2.6	4.7	10.0	9.3	9.7	10.7	7.9	9.2
6	7.9	1.9	4.3	5.9	3.0	4.0	9.8	8.6	9.5	10.9	9.0	10.2
7	6.4	0.7	3.3	8.5	3.2	5.2	10.5	9.5	9.9	11.2	10.3	10.8
8	8.4	0.5	2.2	8.7	3.1	6.6	10.2	8.7	9.9	11.5	10.9	11.2
9	10.0	0.5	4.7	9.0	7.9	8.6	10.0	8.5	9.0	11.3	10.6	11.0
10	8.3	6.3	7.4	9.5	7.9	8.8	10.2	8.2	9.1	11.6	10.7	11.2
11	7.4	6.5	7.1	9.8	7.7	8.6	10.1	9.1	9.7	12.1	11.3	11.7
12	10.2	6.2	7.5	10.4	8.5	9.7	9.8	8.9	9.4	13.3	11.9	12.5
13	9.4	4.3	6.6	9.8	8.6	9.1	10.5	8.6	10	13.2	12.5	12.8
14	8.7	4.7	6.8	9.5	8.7	9.0	10.7	9.8	10.2	13.1	12.3	12.7
15	8.5	6.5	7.5	9.8	8.6	9.2	10.7	9.9	10.3	13.0	12.3	12.6
16	8.6	6.7	7.4	9.5	7.4	8.8	10.0	9.3	9.7	12.8	12.1	12.4
17	8.8	4.3	7.6	9.6	6.8	8.2	11.0	9.4	10.1	12.8	11.4	12.3
18	9.3	4.3	8.2	7.9	4.6	6.2	10.7	9.4	10.1	12.6	11.4	12.2
19	9.4	4.9	8.0	8.1	4.9	6.9	10.8	9.7	10.4	12.4	11.8	12.0
20	8.1	4.6	6.1	8.1	7.2	7.6	10.8	10.2	10.7	12.5	11.8	12.2
21	8.3	4.7	6.8	9.1	6.8	8.0	11.6	10.4	10.9	12.8	12.0	12.3
22	8.4	7.1	7.8	9.1	6.1	8.3	11.0	9.9	10.7	12.9	12.0	12.5
23	9.3	7.4	8.2	9.1	6.0	7.1	11.0	9.0	10.2	12.7	11.8	12.3
24	8.7	7.6	8.1	8.9	5.2	6.5	10.5	8.7	9.3	12.6	11.2	12.2
25	8.0	7.4	7.7	9.2	5.3	8.2	10.8	8.9	10.3	12.4	12.0	12.2
26	7.7	6.6	7.1	9.4	6.3	8.1	10.8	10.3	10.5	12.4	12.0	12.2
27	8.3	6.0	7.2	9.1	5.5	7.2	12.0	10.5	11.0	12.6	11.9	12.2
28	8.4	5.2	6.4	9.0	5.6	7.6	12.1	8.0	11.2	12.6	11.8	12.3
29	8.5	5.2	7.7	8.6	7.5	8.2	12.1	6.8	10.3	12.4	10.5	11.9
30	8.6	6.4	7.8	9.2	7.5	8.5	11.7	6.9	9.4	12.6	11.4	12.0
31	9.4	6.3	7.7	---	---	---	11.6	6.4	9.6	13.1	11.2	12.4
MONTH	10.5	0.5	6.8	10.9	2.6	7.6	12.1	6.4	10.0	13.3	5.2	11.4
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	12.9	11.2	12.4	13.0	8.8	10.7	10.1	9.2	9.8	7.9	2.2	5.5
2	12.8	12.2	12.5	12.6	8.2	10.6	10.2	9.0	9.8	---	---	---
3	12.9	10.6	12.3	12.2	8.4	9.9	10.2	8.7	9.6	---	---	---
4	12.8	10.3	12.3	12.9	8.2	10.8	10.2	7.8	9.6	---	---	---
5	12.7	11.6	12.3	12.3	8.2	11.1	10.1	8.9	9.8	---	---	---
6	12.9	11.6	12.5	11.1	8.3	9.9	10.3	7.7	9.3	---	---	---
7	12.5	11.7	12.1	9.8	7.7	8.7	10.7	7.4	8.9	8.5	4.5	6.6
8	12.1	10.6	11.7	9.6	9.1	9.3	10.0	5.3	8.6	9.0	1.3	5.5
9	12.0	10.1	11.0	9.7	7.6	9.0	10.5	6.7	8.9	7.2	1.1	3.9
10	12.5	8.2	11.5	9.7	9.0	9.3	9.6	6.1	8.1	8.7	1.3	5.7
11	12.7	7.7	10.8	10.5	9.5	9.9	9.1	5.6	8.0	9.5	1.6	6.0
12	11.7	8.1	10.1	11.3	9.2	10.1	9.6	6.8	9.0	8.0	2.2	6.6
13	11.7	10.7	11.3	11.5	8.4	10.5	9.3	8.5	8.8	7.4	3.5	5.8
14	11.5	9.1	10.5	11.4	9.6	10.7	9.7	8.4	9.0	8.8	3.1	6.3
15	11.7	8.5	10.6	11.3	9.6	10.5	9.6	8.5	9.1	8.6	0.2	4.0
16	11.3	10.5	11.0	11.1	9.4	10.3	9.0	7.0	8.4	7.4	0.4	3.4
17	11.8	10.9	11.3	10.9	9.8	10.4	10.7	6.2	8.2	7.8	0.1	3.6
18	11.7	11.2	11.5	10.8	7.1	10.0	9.9	5.0	9.0	7.5	0.2	3.8
19	12.2	9.1	11.2	10.5	5.8	9.7	9.3	8.2	8.8	8.2	5.3	6.8
20	12.2	9.2	10.8	10.9	9.2	10	9.8	6.8	8.4	8.3	0.7	6.3
21	12.1	10.7	11.5	10.7	9.8	10.2	9.7	5.5	8.5	8.5	0.5	6.4
22	12.1	9.2	11.5	10.8	9.8	10.3	9.7	5.2	8.4	8.3	1.3	5.8
23	12.2	10.4	11.7	11.5	9.8	10.4	9.8	2.3	8.1	7.5	1.1	6.4
24	11.7	10.4	11.4	11.8	8.8	9.9	9.8	7.3	8.6	7.8	5.8	6.9
25	11.7	10.8	11.3	12.5	8.3	10.8	9.1	6.4	8.1	7.7	6.6	7.0
26	11.4	10.9	11.1	12.0	6.9	10.4	9.3	6.2	7.9	7.6	1.5	6.5
27	11.1	10.6	10.9	11.6	6.9	9.5	9.6	6.8	8.2	7.8	3.9	6.4
28	11.7	10.9	11.3	12.2	7.8	10.8	9.8	5.2	8.1	8.0	4.0	6.6
29	12.6	9.7	11.3	10.7	9.6	10.1	9.8	2.7	6.8	7.6	3.6	6.5
30	---	---	---	10.5	9.5	10.0	8.7	2.9	6.7	7.3	4.4	6.7
31	---	---	---	10.4	7.5	9.8	---	---	---	7.8	6.1	7.1
MONTH	12.9	7.7	11.4	13.0	5.8	10.1	10.7	2.3	8.6	---	---	---

PAMLICO RIVER BASIN

0208455155 PAMLICO RIVER AT LIGHT 3—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	8.0	6.8	7.3	7.3	3.7	6.2	6.3	5.0	5.6	6.8	5.3	6.2
2	8.0	4.0	6.8	6.9	1.5	5.1	6.5	5.0	5.8	7.8	5.9	6.8
3	7.6	0.9	5.8	7.5	0.6	5.1	6.2	5.3	5.7	7.9	5.3	6.7
4	6.6	0.8	3.0	7.3	0.3	3.7	7.5	5.1	5.9	8.2	6.5	7.2
5	8.1	4.3	6.1	6.7	1.9	5.4	7.7	5.8	6.8	9.0	6.5	7.4
6	7.3	2.2	6.1	7.4	1.5	5.7	7.6	5.0	6.8	7.8	5.4	7.2
7	6.9	1.1	4.0	7.2	2.2	5.4	8.0	6.6	7.2	7.3	5.2	6.2
8	7.3	1.7	5.7	6.1	0.3	3.3	7.9	5.2	6.8	8.0	5.9	6.7
9	7.0	1.2	5.5	7.4	3.1	5.8	7.0	4.8	5.6	7.3	6.1	6.6
10	7.9	0.6	5.5	7.2	4.8	6.2	7.1	3.9	5.2	8.6	4.3	6.4
11	7.6	1.0	6.1	6.3	0.3	2.6	6.8	3.4	4.6	8.5	3.5	6.7
12	7.5	5.4	6.7	6.8	0.5	3.2	7.6	2.5	4.9	8.5	4.9	7.2
13	7.5	3.9	6.6	6.9	5.2	6.2	7.4	1.0	5.8	8.5	4.3	7.0
14	7.3	6.3	6.8	7.1	5.6	6.2	6.7	4.7	5.8	8.4	7.4	8.0
15	7.5	6.6	7.1	7.2	5.7	6.4	6.6	5.0	5.8	7.8	3.3	5.9
16	7.4	5.4	7.0	7.3	6.1	6.6	8.0	5.0	6.6	7.0	1.4	4.5
17	7.3	6.4	7.0	7.0	1.9	5.9	8.1	5.4	6.9	6.3	0.9	3.6
18	7.8	6.4	6.9	6.6	0.4	3.0	7.9	4.1	5.9	6.5	4.1	5.8
19	7.5	5.4	6.8	7.9	0.7	3.6	7.9	3.0	5.6	7.4	5.9	6.6
20	7.5	1.9	5.9	7.2	0.8	4.7	7.2	3.5	5.2	7.5	6.1	6.8
21	7.0	2.7	6.1	7.2	2.1	5.7	7.6	3.1	5.6	8.6	6.6	7.3
22	7.1	2.0	6.2	7.0	0.1	4.5	7.2	2.8	5.3	11.0	6.7	7.9
23	7.7	5.3	6.8	6.0	0.2	4.0	8.9	0.7	2.5	9.5	4.2	7.7
24	8.3	4.3	6.9	6.6	1.1	4.2	7.7	1.0	5.5	7.9	3.7	5.8
25	8.5	4.0	7.0	6.4	5.5	5.9	7.2	4.7	6.1	7.5	4.1	5.7
26	7.6	0.6	5.1	6.7	3.9	5.0	6.4	4.9	5.7	7.8	3.8	5.8
27	7.9	2.4	6.4	6.4	1.2	4.3	7.5	5.2	6.2	7.2	5.8	6.6
28	7.8	1.8	6.1	5.1	1.9	4.6	7.4	5.1	6.2	6.8	3.8	5.7
29	8.0	2.0	6.0	6.8	1.8	4.7	8.2	5.9	7.1	7.3	5.3	6.0
30	6.8	1.3	3.5	6.2	2.2	4.7	7.8	6.5	7.0	7.6	4.2	5.3
31	---	---	---	6.2	5.0	5.7	7.0	5.6	6.5	---	---	---
MONTH	8.5	0.6	6.1	7.9	0.1	5.0	8.9	0.7	5.9	11.0	0.9	6.4

0208455155 PAMLICO RIVER AT LIGHT 3—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	123	88	104	---	---	---	93	85	89	110	96	104
2	114	95	102	---	---	---	92	88	90	114	101	106
3	124	86	97	---	---	---	93	87	89	118	104	109
4	128	96	111	---	---	---	89	85	87	110	96	103
5	140	111	119	---	---	---	91	86	88	97	90	93
6	132	105	117	---	---	---	88	84	86	99	88	92
7	133	106	121	---	---	---	92	84	87	94	86	90
8	121	94	107	---	---	---	105	87	94	95	87	91
9	115	83	95	---	---	---	105	91	98	91	87	89
10	98	82	87	---	---	---	100	85	93	91	84	87
11	87	79	84	---	---	---	91	81	86	92	85	89
12	141	80	105	---	---	---	97	83	90	100	90	94
13	139	100	110	---	---	---	93	87	90	99	93	97
14	111	83	96	---	---	---	94	85	88	100	92	96
15	98	75	87	---	---	---	94	87	89	99	93	96
16	139	84	97	---	---	---	98	87	91	97	91	94
17	149	89	111	---	---	---	98	87	93	97	90	94
18	130	99	106	---	---	---	95	86	90	97	92	94
19	117	91	103	115	70	90	91	88	89	97	90	92
20	118	93	103	97	84	89	90	87	89	95	88	91
21	103	88	96	137	90	105	99	87	91	97	89	92
22	97	85	90	128	100	112	92	86	89	98	90	94
23	---	---	---	132	101	115	93	86	90	95	91	93
24	---	---	---	126	105	113	96	91	93	96	88	92
25	---	---	---	107	95	101	93	86	90	91	88	90
26	---	---	---	98	90	95	90	86	88	90	87	89
27	---	---	---	96	89	92	92	86	88	92	86	89
28	---	---	---	98	69	88	115	87	94	92	88	90
29	---	---	---	88	78	85	102	90	96	94	87	91
30	---	---	---	93	81	86	103	92	97	96	86	91
31	---	---	---	---	---	---	107	92	97	96	90	92
MONTH	---	---	---	---	---	---	115	81	91	118	84	94
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	95	90	93	---	---	---	99	89	93	84	66	78
2	101	91	94	---	---	---	96	89	93	86	66	76
3	97	88	93	---	---	---	97	89	94	87	67	76
4	99	92	96	---	---	---	97	90	94	101	75	83
5	100	94	96	---	---	---	95	89	91	99	64	84
6	103	95	99	---	---	---	104	86	94	101	74	89
7	101	95	98	---	---	---	105	90	98	117	80	101
8	98	92	95	---	---	---	106	97	101	110	98	104
9	100	92	96	---	---	---	104	93	100	112	92	102
10	104	96	99	92	83	89	101	88	94	111	90	100
11	106	98	102	101	87	93	92	82	87	113	91	100
12	104	93	98	112	91	100	93	78	85	114	88	102
13	---	---	---	121	96	103	90	78	83	115	94	102
14	---	---	---	108	96	103	88	79	84	115	91	102
15	---	---	---	121	96	105	89	80	84	109	93	101
16	---	---	---	110	98	105	97	83	89	115	89	100
17	---	---	---	109	97	101	107	87	96	123	83	96
18	---	---	---	107	93	99	101	84	93	114	74	90
19	---	---	---	102	85	93	95	83	89	103	76	88
20	---	---	---	104	88	95	102	76	91	125	81	98
21	---	---	---	102	92	97	96	80	90	129	87	105
22	---	---	---	103	91	97	94	77	88	111	89	100
23	---	---	---	113	93	103	101	86	92	105	74	87
24	---	---	---	111	100	106	96	80	88	102	77	89
25	---	---	---	121	101	110	88	69	82	114	83	95
26	---	---	---	118	103	112	93	82	87	110	79	95
27	---	---	---	125	106	116	93	77	85	102	73	91
28	---	---	---	124	103	112	108	81	91	101	81	91
29	---	---	---	104	92	97	101	77	92	102	79	90
30	---	---	---	102	92	96	94	69	82	90	78	84
31	---	---	---	101	92	96	---	---	---	95	79	87
MONTH	---	---	---	---	---	---	108	69	90	129	64	93

PAMLICO RIVER BASIN

0208455155 PAMLICO RIVER AT LIGHT 3—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP—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	98	83	90	100	72	88	91	72	80	99	79	86
2	109	79	95	102	86	92	94	70	82	102	74	87
3	116	77	95	111	80	94	99	69	81	108	81	94
4	98	70	84	101	81	92	164	72	104	111	89	98
5	104	64	85	106	80	94	117	82	99	121	87	100
6	97	79	90	103	88	95	96	79	88	104	83	96
7	102	79	92	106	84	96	106	81	93	102	77	85
8	98	81	89	106	79	94	113	92	101	103	77	86
9	103	76	86	113	77	95	110	89	98	98	80	88
10	98	71	84	116	88	100	109	87	98	117	87	99
11	102	80	90	101	85	93	117	90	101	108	81	95
12	91	76	82	103	87	94	111	86	97	112	85	97
13	88	74	80	95	74	86	97	70	86	116	92	99
14	88	78	83	102	79	86	89	71	83	99	89	94
15	90	81	85	103	79	90	92	75	81	124	83	99
16	93	82	87	108	85	94	122	77	97	174	92	118
17	88	77	84	105	88	96	123	92	107	113	70	92
18	98	75	85	114	85	94	113	90	99	90	66	83
19	100	82	91	130	82	97	125	89	102	96	81	87
20	94	82	87	113	82	95	119	78	104	92	85	88
21	91	77	83	119	74	94	113	95	103	102	83	91
22	92	79	85	102	80	87	112	92	99	135	93	111
23	104	82	93	85	67	75	132	93	108	126	109	117
24	111	91	100	112	59	84	---	---	---	110	98	104
25	123	97	106	96	80	87	---	---	---	101	89	94
26	102	84	91	98	86	91	---	---	---	107	87	96
27	102	84	93	95	70	82	96	77	87	91	74	83
28	105	90	97	75	63	68	116	77	92	93	65	78
29	118	86	97	87	60	68	105	86	94	125	84	94
30	98	72	88	83	68	74	102	83	90	111	86	95
31	---	---	---	91	69	80	130	83	100	---	---	---
MONTH	123	64	89	130	59	89	---	---	---	174	65	94

0208455155 PAMLICO RIVER AT LIGHT 3—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	107	44	87	111	55	92	86	78	82	101	74	89
2	113	60	92	117	50	72	87	80	84	106	48	73
3	104	59	83	106	44	75	87	80	84	105	44	57
4	104	39	74	99	37	73	85	82	84	82	53	60
5	119	11	56	81	28	50	87	81	84	97	67	81
6	90	22	49	63	32	43	85	75	83	98	81	92
7	73	8	38	95	34	56	89	81	84	97	90	94
8	95	6	26	95	33	72	87	75	84	98	92	95
9	114	6	54	94	85	90	84	73	77	95	90	92
10	95	72	84	97	80	89	87	70	77	94	88	91
11	84	73	80	100	79	87	88	78	84	95	89	92
12	116	70	85	107	86	99	84	77	81	103	93	98
13	106	48	75	100	87	93	90	75	86	104	97	101
14	99	53	77	92	85	88	92	84	87	104	96	100
15	94	73	83	94	82	88	91	84	87	104	97	100
16	94	73	81	91	72	85	85	79	83	101	95	98
17	96	47	82	93	66	79	95	80	87	101	89	96
18	102	47	90	76	45	60	91	80	86	101	89	96
19	102	53	86	80	48	67	90	82	87	100	95	97
20	87	50	66	80	71	75	90	85	88	99	93	96
21	90	51	74	90	67	78	95	85	89	100	93	96
22	92	77	84	90	60	82	89	81	87	101	94	97
23	100	79	87	90	59	70	89	74	83	100	92	96
24	92	80	85	88	51	64	85	72	77	99	88	95
25	83	77	81	92	52	82	90	74	86	96	93	94
26	80	69	73	92	62	79	90	85	87	95	91	93
27	88	63	76	89	54	71	100	87	90	96	90	93
28	89	55	67	87	55	75	100	67	92	95	89	93
29	90	55	82	82	74	78	100	57	86	94	79	89
30	90	68	82	85	70	79	98	58	80	96	86	91
31	99	66	81	---	---	---	98	54	81	99	84	93
MONTH	119	6	75	117	28	76	100	54	84	106	44	91
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	97	84	93	110	72	88	97	88	94	88	24	61
2	96	91	93	112	67	90	97	85	93	---	---	---
3	99	80	93	108	71	85	97	82	91	---	---	---
4	99	81	95	120	70	97	97	74	91	---	---	---
5	100	90	95	118	75	104	95	84	91	---	---	---
6	106	91	100	106	77	94	95	72	87	---	---	---
7	104	96	101	95	71	82	100	69	84	95	50	74
8	100	88	96	91	85	88	96	50	81	105	14	63
9	98	83	90	91	71	84	105	63	87	83	12	44
10	104	67	94	88	82	85	95	59	79	103	15	66
11	106	64	90	95	85	89	91	54	80	114	18	71
12	97	67	84	103	82	91	97	68	90	95	25	78
13	98	89	94	105	76	95	96	86	90	89	41	69
14	96	75	88	104	87	97	98	86	92	107	37	75
15	99	71	89	104	87	95	96	85	92	106	2	48
16	93	85	90	102	86	95	90	70	84	90	5	41
17	95	88	91	100	90	96	108	62	83	96	1	44
18	94	89	92	99	64	91	103	51	93	93	2	46
19	100	73	90	97	53	89	97	86	92	102	64	83
20	101	74	88	102	84	92	105	71	89	103	8	76
21	103	88	97	101	92	95	107	58	92	107	6	79
22	104	77	97	101	90	96	108	56	91	106	16	73
23	105	88	100	105	89	95	112	25	89	94	13	80
24	99	88	97	108	81	91	111	82	96	99	71	85
25	100	92	96	118	76	100	102	71	91	96	81	87
26	96	90	92	115	64	98	105	69	88	97	19	82
27	91	87	90	113	64	91	108	76	92	100	49	81
28	97	88	93	120	75	107	109	57	89	102	50	84
29	103	79	93	105	93	98	109	30	75	96	45	82
30	---	---	---	101	90	96	97	32	73	90	55	83
31	---	---	---	100	71	94	---	---	---	97	75	88
MONTH	106	64	93	120	53	93	112	25	88	---	---	---

PAMLICO RIVER BASIN

0208455155 PAMLICO RIVER AT LIGHT 3—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	100	84	90	92	47	79	83	65	72	86	67	78
2	101	50	85	88	19	65	85	65	75	98	74	85
3	95	11	72	96	8	65	80	69	74	99	65	83
4	83	10	37	94	4	47	97	65	76	103	81	90
5	103	53	76	86	24	69	101	75	88	115	81	92
6	92	27	75	97	19	74	97	64	87	99	68	91
7	87	14	50	95	28	71	101	83	90	91	65	78
8	93	21	71	81	4	44	99	65	85	101	74	84
9	89	15	70	99	40	76	88	60	70	92	76	83
10	102	7	70	96	63	82	89	49	65	108	54	81
11	97	12	78	84	4	34	85	43	58	106	44	84
12	95	68	85	90	6	43	95	31	61	104	60	88
13	94	49	82	92	69	82	93	12	72	104	53	85
14	91	78	85	95	74	83	83	59	72	102	90	97
15	94	82	88	96	76	85	81	62	71	95	40	71
16	93	67	88	96	79	87	99	62	81	85	17	55
17	92	79	87	91	25	76	101	67	85	78	11	44
18	101	80	87	86	5	39	98	51	73	78	50	70
19	96	69	87	104	9	46	99	37	70	87	70	77
20	96	24	75	93	10	60	91	44	65	87	71	78
21	89	34	77	94	27	74	97	39	71	100	75	84
22	90	25	78	92	1	58	91	35	67	131	77	91
23	100	67	86	78	3	51	113	9	31	111	48	89
24	107	55	89	86	14	54	97	13	68	92	43	68
25	109	51	89	83	71	77	90	59	76	88	47	67
26	97	8	66	88	50	65	80	61	71	92	44	68
27	101	30	81	84	16	57	95	65	78	85	68	77
28	99	23	77	66	25	60	94	64	77	81	45	67
29	103	25	75	87	23	60	105	74	90	87	62	71
30	86	16	44	80	28	61	99	82	89	90	50	62
31	---	---	---	81	65	74	88	70	82	---	---	---
MONTH	109	7	77	104	1	64	113	9	74	131	11	78