

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 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 several days during the period
pH (TOP), standard units	9.2, August 4, 2001	6.2, October 22, 23, 24, 1999
pH (BOTTOM), standard units	8.8, April 1, 2000, February 14, 2002, August 6, 2003, September 23, 2003	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

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EXTREMES FOR CURRENT YEAR.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SALINITY (TOP), ppt	19.6, October 21	<0.1, on several days during the year
SALINITY (BOTTOM), ppt	20.8, October 23	<0.1, April 18, 19
pH (TOP), standard units	9.1, January 3, August 5, September 20, 21	6.4, April 15, September 26, 28
pH (BOTTOM), standard units	8.8, August 6, September 23	6.6, on many days during the year
WATER TEMPERATURE (TOP), °C	31.1, August 27	0.0, January 24
WATER TEMPERATURE (BOTTOM), °C	30.1, July 9	0.1, January 24
DISSOLVED OXYGEN (TOP), mg/L	15.6, February 14	<1.0, on several days during the year
DISSOLVED OXYGEN (BOTTOM), mg/L	13.9, January 28	<1.0, on many days during the year
DISSOLVED OXYGEN, PERCENT SATURATION (TOP),%	168, July 21	<10, on several days during the year
DISSOLVED OXYGEN, PERCENT SATURATION (BOTTOM),%	119, August 20	<10, on many days during the year

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	9.0	7.5	7.9	14.4	9.4	12.0	13.2	12.4	12.9	11.5	4.3	6.7
2	11.3	5.6	8.4	12.6	10.6	11.5	14.1	12.5	13.2	8.9	3.6	5.4
3	15.3	6.3	11.3	13.6	11.1	12.4	13.9	12.4	13.2	7.0	3.3	5.3
4	16.7	11.2	13.5	13.2	9.4	11.2	14.8	12.2	13.5	6.6	2.7	4.2
5	13.0	9.3	10.7	16.0	9.5	12.0	15.0	12.2	13.4	7.3	5.1	6.3
6	18.2	8.9	13.0	12.5	8.6	10.7	13.7	10.9	12.0	10.6	4.5	7.1
7	14.2	10.7	12.4	13.3	8.6	10.7	13.6	11.2	12.2	12.0	6.4	9.4
8	14.5	10.2	12.8	14.0	10.5	12.4	15.4	9.5	12.1	13.0	11.4	12.2
9	13.5	12.6	13.3	17.2	10.4	13.6	14.7	6.7	12.8	12.2	9.7	11.3
10	13.9	12.2	13.1	16.5	11.7	13.5	15.2	6.4	11.4	11.5	7.3	9.1
11	13.8	12.4	13.2	13.7	10.5	12.2	13.7	6.2	9.6	10.6	7.3	8.7
12	12.4	10.6	11.2	16.1	8.7	11.7	10.1	8.4	9.0	11.8	7.3	8.8
13	14.3	10.4	12.3	9.3	6.4	7.9	12.2	8.3	10.3	10.7	7.6	9.5
14	15.3	11.3	14.0	13.5	7.5	10.5	12.1	9.8	10.8	13.0	8.2	9.8
15	14.8	12.4	13.5	16.9	9.8	13.5	10.5	8.0	9.6	10.8	8.6	9.6
16	14.1	9.7	11.7	13.6	10.6	11.9	8.5	5.9	6.7	11.3	9.0	10
17	12.2	7.6	10.3	10.7	4.2	8.1	11.8	5.0	7.3	10.2	9.8	10.0
18	14.5	6.3	10.4	11.2	4.4	8.5	10.8	5.1	6.8	11.6	9.7	10.5
19	14.7	12.1	13.4	10.7	7.8	9.7	10.2	5.5	8.7	11.6	10.0	10.8
20	18.7	10	12.9	15.5	9.9	12.2	8.6	3.9	6.3	11.3	9.3	10.8
21	19.6	10.2	15.6	15.5	12.4	13.6	6.2	4.9	5.4	11.1	9.3	10.5
22	18.1	15.1	16.6	16.9	9.1	12.7	7.1	4.7	5.8	11.3	9.8	10.7
23	18.6	15.8	17.1	12.6	9.8	11.6	6.6	4.4	5.4	11.3	6.4	10
24	18.8	9.8	14.6	11.4	9.1	10.2	12.4	4.0	6.3	9.2	5.9	7.7
25	12.6	11.4	12.2	14.9	9.2	11.5	8.8	6.8	7.5	---	---	---
26	12.2	11.7	11.9	14.7	10.7	13.3	9.5	6.8	8.3	11.8	9.0	11.0
27	13.3	11.3	12.0	15.7	5.5	11.2	8.3	7.0	7.7	12.4	7.2	9.4
28	14.2	11.8	12.5	16.0	9.4	12.7	9.2	5.0	7.2	---	---	---
29	12.8	11.7	12.4	14.7	10.1	12.3	9.7	5.3	6.9	13.3	9.3	11.1
30	12.2	10.2	11.1	13.5	11.7	12.6	10.9	7.3	8.6	14.3	10.9	11.8
31	13.3	8.8	10.3	---	---	---	8.2	6.5	7.4	11.4	10.2	11.0
MONTH	19.6	5.6	12.4	17.2	4.2	11.6	15.4	3.9	9.3	---	---	---

0208453300 PAMLICO RIVER AT LIGHT 5—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	15.1	12.8	14.2	16.6	13.3	15.4	14.8	12.4	13.4	15.7	12.0	15.2
2	15.6	14.3	15.1	16.7	10.7	15.0	15.5	13.7	14.8	17.6	14.3	16.4
3	16.3	15.2	15.7	16.7	12.8	15.6	15.5	12.8	13.9	16.3	15.1	15.7
4	17.5	14.1	16.5	17.1	15.7	16.1	14.9	12.4	14.2	18.1	3.7	16.8
5	18.1	15.7	16.5	17.5	14.3	16.4	14.9	12.2	13.7	18.0	16.7	17.8
6	19.5	16.2	18.0	16.9	10.6	14.6	14.7	13.5	14.4	17.5	5.9	15.9
7	19.2	16.7	17.6	17.9	12.4	16.6	15.1	14.1	14.5	17.1	7.3	13.8
8	19.5	15.1	18.3	18.4	16.9	17.9	16.0	14.8	15.2	14.1	11.8	13.0
9	19.5	13.7	17.0	18.4	16.8	18.1	16.0	14.6	15.3	12.7	11.6	12.4
10	19.4	14.0	17.9	18.4	16.3	17.9	16.5	14.1	15.1	12.6	10.0	11.8
11	18.4	13.0	15.0	17.9	13.2	17.2	15.9	14.1	15.3	12.6	11.4	12.3
12	17.5	12.1	14.9	17.9	12.3	17.5	16.2	14.5	15.3	12.8	12.0	12.4
13	17.7	16.1	17.2	17.5	7.5	16.4	16.1	11.8	14.9	13.0	12.7	12.9
14	17.3	13.9	15.4	17.1	16.8	17.0	14.9	10.1	11.8	13.8	10.4	13.0
15	15.6	12.7	14.9	17.1	16.7	16.9	12.2	9.8	11.1	13.1	9.0	11.2
16	14.9	10.7	13.5	16.7	14.6	15.8	14.6	12.0	12.9	13.7	9.3	12.6
17	15.3	13.1	14.7	16.5	10.3	16.0	14.9	14.5	14.7	11.8	10.0	10.4
18	16.8	14.1	15.4	16.6	10.7	14.7	14.7	13.3	14.4	11.9	9.7	10.9
19	18.1	16.4	17.2	16.1	15.7	15.9	14.7	12.8	14.3	11.8	10.2	11.3
20	19.5	17.5	18.7	16.5	16.1	16.4	14.5	6.5	11.9	11.8	10.6	11.1
21	19.9	19.3	19.6	16.9	16.5	16.7	16.0	13.1	14.7	11.3	10.4	10.8
22	20.5	19.9	20.2	17.2	10.1	15.2	16.5	9.1	15.5	11.4	10.7	11.1
23	---	---	---	14.7	10.6	12.8	17.1	15.5	16.5	11.3	6.5	10.0
24	---	---	---	15.1	13.1	14.6	17.1	8.7	15.3	12.0	6.0	9.8
25	18.8	12.8	17.9	16.7	14.7	15.7	14.7	6.9	10.1	12.8	10.3	12.0
26	19.0	16.6	17.9	16.7	15.1	16.5	9.7	7.6	9.0	14.5	12.2	13.5
27	18.8	16.6	18.2	17.1	14.0	16.2	11.2	9.5	10.2	14.6	10.0	13.2
28	17.0	15.5	16.4	17.1	15.3	16.4	13.1	10.4	11.8	---	---	---
29	17.9	12.8	16.6	17.5	13.9	16.8	16.0	12.5	14.0	15.3	13.7	14.5
30	---	---	---	17.3	12.4	15.7	15.7	11.4	13.9	15.5	14.5	15.2
31	16.8	13.0	15.3	---	---	---	15.3	12.6	14.0	15.9	15.1	15.4
MONTH	---	---	---	18.4	7.5	16.1	17.1	6.5	13.7	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	16.6	15.8	16.2	8.4	7.7	8.1	---	---	---	7.1	4.8	6.5
2	16.7	16.4	16.6	10.2	7.1	8.5	---	---	---	7.5	2.3	5.4
3	16.9	15.4	16.6	11.6	9.3	10.6	7.6	1.9	4.3	8.1	2.1	6.2
4	16.7	11.5	15.3	10.3	6.5	8.3	6.0	1.8	3.8	7.7	3.2	6.7
5	16.1	13.6	15.4	9.8	2.3	5.8	6.1	1.9	4.1	7.7	3.5	6.5
6	15.7	11.6	15.1	10.6	2.0	9.5	7.7	2.4	5.3	7.3	2.4	3.8
7	15.3	9.9	14.4	10.8	6.5	9.8	5.9	2.1	2.9	7.8	3.8	7.0
8	15.5	14.7	15.1	11.5	9.8	11.0	5.5	2.1	3.2	7.6	2.8	6.7
9	15.2	14.7	15.0	12.3	10.0	11.2	5.1	2.1	2.6	7.1	3.3	6.4
10	15.0	8.3	13.5	12.4	8.3	11.6	3.0	1.5	2.5	6.8	3.8	5.8
11	13.7	11.0	12.7	10.5	7.9	9.7	1.9	0.6	1.2	6.2	3.1	5.2
12	13.5	7.5	10.5	11.1	8.9	10.3	2.6	0.6	1.3	6.2	3.6	4.5
13	11.3	8.2	9.6	11.7	10.4	11.1	3.1	1.4	2.6	5.2	3.9	4.2
14	11.7	7.8	10.5	11.7	1.4	9.4	2.4	0.3	1.5	4.6	4.0	4.3
15	---	---	---	10.2	6.2	9.2	1.5	0.1	0.4	4.7	3.8	4.4
16	---	---	---	9.2	2.0	4.8	1.8	0.1	0.5	4.5	3.6	4.0
17	---	---	---	---	---	---	2.5	0.1	0.6	4.3	3.5	4.0
18	---	---	---	---	---	---	0.4	0.0	0.1	4.2	4.0	4.1
19	---	---	---	---	---	---	3.3	0.0	0.3	4.0	3.4	3.7
20	12.8	10.9	12.1	---	---	---	6.2	0.1	4.2	3.8	3.5	3.6
21	12.9	11.4	12.5	---	---	---	6.1	4.1	5.6	4.1	2.9	3.6
22	13.5	6.1	12.4	---	---	---	7.8	1.9	6.4	4.2	2.9	3.7
23	---	---	---	---	---	---	8.6	4.9	7.9	3.7	2.5	3.2
24	8.1	5.6	6.9	---	---	---	9.0	5.9	8.4	3.4	1.9	2.6
25	9.2	5.4	6.5	---	---	---	8.8	6.6	8.0	3.8	2.0	3.3
26	9.8	3.5	4.9	---	---	---	7.6	4.1	7.1	3.4	0.9	2.6
27	9.8	7.3	9.0	---	---	---	7.6	3.4	7.0	3.7	0.8	2.4
28	9.3	3.6	8.4	---	---	---	7.5	4.3	6.9	3.6	0.7	2.8
29	---	---	---	---	---	---	8.5	4.8	7.2	3.7	0.5	2.7
30	---	---	---	---	---	---	8.7	4.7	7.8	3.5	1.1	3.0
31	---	---	---	---	---	---	---	---	---	3.9	0.5	3.2
MONTH	---	---	---	---	---	---	---	---	---	8.1	0.5	4.4

0208453300 PAMLICO RIVER AT LIGHT 5—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	8.4	8.0	8.2	7.6	7.4	7.5	8.0	7.8	7.9	8.8	7.4	8.3
2	8.5	7.4	8.1	7.6	7.4	7.5	8.2	7.9	8.1	8.6	7.5	8.2
3	8.2	7.0	7.6	7.8	7.5	7.6	8.2	8.1	8.2	9.1	7.9	8.5
4	7.9	7.0	7.3	7.8	7.5	7.6	8.2	8.1	8.1	8.7	7.3	7.9
5	8.3	7.3	7.8	7.8	7.3	7.6	8.1	8.1	8.1	8.7	7.6	8.1
6	8.0	7.1	7.6	7.7	7.5	7.6	8.2	8.0	8.1	8.4	7.3	7.9
7	8.2	7.4	7.9	7.7	7.4	7.6	8.2	8.0	8.1	8.0	7.3	7.6
8	8.1	7.6	7.9	8.0	7.6	7.8	8.3	8.0	8.2	8.3	7.8	8.1
9	8.0	7.8	7.8	8.1	7.2	7.8	8.2	7.9	8.2	8.5	8.1	8.2
10	8.0	7.7	7.8	8.1	7.4	7.9	8.2	7.8	8.1	8.6	8.2	8.4
11	7.8	7.6	7.7	8.1	7.8	8.0	8.1	7.7	7.9	8.9	8.4	8.6
12	7.6	7.5	7.6	8.0	7.4	7.8	8.2	7.8	7.9	8.9	8.1	8.7
13	7.8	7.3	7.6	8.0	7.4	7.5	8.1	7.8	8.0	9.0	8.6	8.7
14	7.9	7.7	7.8	7.8	7.3	7.5	8.0	7.9	7.9	8.8	8.0	8.6
15	7.9	7.7	7.8	7.8	7.2	7.5	8.6	7.9	8.1	8.8	8.6	8.8
16	7.8	7.6	7.7	7.8	7.2	7.6	8.6	8.1	8.3	8.8	8.4	8.7
17	8.0	7.4	7.7	7.8	6.9	7.5	8.5	7.8	8.2	8.6	8.5	8.6
18	7.9	7.1	7.4	7.4	6.9	7.2	8.8	7.8	8.5	8.7	8.5	8.6
19	7.8	7.0	7.5	7.4	7.2	7.3	8.8	7.8	8.4	8.7	8.5	8.6
20	7.6	7.0	7.2	7.3	7.0	7.2	8.8	7.7	8.3	8.8	8.6	8.6
21	7.6	6.8	7.3	7.5	7.0	7.2	8.4	7.6	8.0	8.7	8.6	8.7
22	7.5	6.9	7.3	7.5	7.0	7.2	8.5	7.7	8.0	8.7	8.6	8.6
23	7.5	6.9	7.3	7.6	7.3	7.5	8.6	7.7	8.1	8.8	8.5	8.7
24	7.8	7.0	7.4	7.6	7.4	7.5	8.6	7.7	8.2	---	---	---
25	7.9	7.5	7.7	7.7	7.4	7.5	8.3	7.7	7.8	---	---	---
26	7.6	7.5	7.5	8.0	7.2	7.6	8.2	7.7	7.9	8.7	8.3	8.5
27	7.6	7.4	7.5	7.7	7.3	7.5	8.5	7.9	8.0	8.8	8.2	8.4
28	7.6	7.2	7.5	7.9	7.4	7.6	8.7	7.6	8.3	8.5	8.1	8.3
29	7.7	7.4	7.5	7.9	7.6	7.8	8.7	7.9	8.3	8.5	8.0	8.3
30	7.5	7.3	7.4	8.0	7.7	7.9	8.9	7.6	8.4	8.4	7.9	8.3
31	7.6	7.3	7.4	---	---	---	9.0	8.1	8.6	8.4	8.3	8.4
MONTH	8.5	6.8	7.6	8.1	6.9	7.6	9.0	7.6	8.1	---	---	---
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	8.5	8.0	8.2	7.4	7.0	7.2	---	---	---	7.8	7.3	7.5
2	8.4	8.0	8.1	7.3	6.8	7.1	---	---	---	8.5	7.2	7.6
3	8.5	8.1	8.3	7.3	6.8	7.0	7.8	7.2	7.4	8.2	7.3	7.7
4	8.5	8.2	8.4	7.5	7.2	7.3	7.8	7.2	7.4	7.5	7.2	7.3
5	8.6	8.2	8.4	7.3	7.0	7.1	7.5	7.1	7.3	7.8	7.4	7.5
6	8.6	8.3	8.5	7.0	6.9	7.0	7.4	7.2	7.3	8.4	7.3	7.9
7	8.6	8.4	8.5	7.1	7.0	7.1	7.5	7.3	7.3	8.9	7.9	8.4
8	8.5	8.0	8.3	7.1	6.9	7.0	7.4	7.2	7.3	8.9	7.9	8.6
9	8.7	7.9	8.4	7.0	6.7	6.8	7.3	7.2	7.3	8.9	7.0	8.4
10	8.6	7.1	8.1	7.4	6.7	6.9	7.5	7.2	7.3	8.5	7.2	7.8
11	8.5	7.8	8.1	7.1	6.7	6.9	7.4	7.3	7.3	8.1	7.1	7.6
12	8.5	7.9	8.2	6.8	6.6	6.7	7.4	7.2	7.3	7.6	7.3	7.4
13	8.5	7.6	8.0	6.8	6.6	6.7	7.3	7.0	7.2	7.6	7.2	7.4
14	8.9	7.9	8.2	7.2	6.6	7.0	7.2	6.7	7.0	8.3	7.3	7.7
15	---	---	---	7.2	7.0	7.1	7.1	6.4	6.6	8.0	7.3	7.6
16	---	---	---	7.5	7.1	7.2	6.9	6.6	6.7	8.1	7.4	7.7
17	---	---	---	---	---	---	7.0	6.5	6.7	7.6	7.3	7.4
18	---	---	---	---	---	---	6.9	6.6	6.8	7.5	7.3	7.4
19	---	---	---	---	---	---	7.0	6.6	6.8	7.6	7.4	7.5
20	8.8	7.7	8.4	---	---	---	7.1	6.7	6.9	8.0	7.4	7.7
21	8.8	7.2	8.1	---	---	---	7.0	6.6	6.7	8.4	7.1	7.9
22	8.5	6.8	7.4	---	---	---	6.8	6.6	6.7	8.2	7.2	7.8
23	---	---	---	---	---	---	6.9	6.6	6.8	7.6	7.4	7.5
24	7.7	7.2	7.3	---	---	---	7.0	6.7	6.8	8.6	7.4	7.8
25	8.2	7.4	7.7	---	---	---	7.2	7.0	7.1	8.8	7.1	8.0
26	8.1	7.5	7.8	---	---	---	8.4	6.9	7.1	8.9	7.5	8.2
27	8.0	7.4	7.5	---	---	---	8.3	6.9	7.5	8.7	6.9	8.2
28	7.8	7.2	7.4	---	---	---	8.5	7.2	7.8	8.4	7.2	7.9
29	---	---	---	---	---	---	8.6	8.0	8.4	8.5	7.2	7.8
30	---	---	---	---	---	---	8.6	7.4	8.0	8.6	7.0	7.5
31	---	---	---	---	---	---	---	---	---	7.8	7.0	7.3
MONTH	---	---	---	---	---	---	---	---	---	8.9	6.9	7.7

0208453300 PAMLICO RIVER AT LIGHT 5—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

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

0208453300 PAMLICO RIVER AT LIGHT 5—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, TOP
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	25.1	24.5	24.7	16.5	15.0	15.7	10.0	8.8	9.5	9.3	7.7	8.3
2	25.5	24.7	25.1	15.2	14.4	14.9	9.3	8.4	8.7	9.4	8.7	9.1
3	25.7	25.3	25.5	15.1	14.1	14.4	8.9	7.9	8.5	10.0	8.9	9.3
4	26.5	25.2	25.7	14.8	13.8	14.3	7.9	7.2	7.5	9.4	8.0	8.7
5	27.3	25.6	26.4	15.5	13.5	14.2	7.6	6.5	6.9	8.6	7.5	8.2
6	27.0	25.2	25.9	14.9	14.1	14.6	6.9	6.1	6.4	---	---	---
7	26.6	25.5	26.0	14.3	13.6	14.1	6.8	5.7	6.4	---	---	---
8	26.3	24.4	25.0	14.9	13.3	14.1	7.2	5.7	6.5	7.4	6.4	6.8
9	24.4	23.5	23.8	15.2	13.1	14.2	7.1	5.8	6.5	7.6	6.5	7.0
10	23.7	23.2	23.5	16.3	14.3	15.2	6.7	5.8	6.2	8.0	7.4	7.7
11	23.8	23.4	23.6	17.5	15.7	16.8	6.7	6.2	6.4	8.0	6.8	7.3
12	23.6	23.4	23.5	18.0	16.3	17.3	7.0	6.2	6.6	7.4	6.1	6.7
13	23.6	23.1	23.4	17.7	15.0	16.3	7.4	6.6	6.9	6.7	5.8	6.4
14	23.6	22.0	23.0	15.5	13.7	14.8	8.2	7.2	7.5	7.0	5.8	6.1
15	22.4	20.7	21.3	16.1	14.4	15.4	7.9	6.9	7.3	6.3	5.5	5.8
16	21.6	20.2	20.9	15.4	14.9	15.1	7.6	6.6	7.1	6.1	4.7	5.4
17	20.8	20.2	20.4	15.1	14.1	14.9	7.5	6.5	7.0	5.6	4.8	5.3
18	20.9	18.9	20.1	14.2	13.3	13.9	7.6	6.0	6.7	5.0	3.9	4.6
19	20.9	19.7	20.3	14.1	13.2	13.8	8.0	6.5	7.5	5.2	3.9	4.3
20	20.9	19.5	20.2	15.0	13.9	14.4	9.6	7.9	8.9	4.8	3.6	4.1
21	21.0	20.0	20.4	15.0	14.4	14.7	9.0	8.1	8.7	4.5	3.9	4.2
22	20.5	19.4	20.0	14.9	13.3	14.3	9.2	7.8	8.2	4.1	3.4	3.8
23	20.5	19.4	19.9	13.3	11.4	12.4	8.8	8.0	8.4	3.7	1.2	2.8
24	20.2	17.4	19.0	11.9	10.6	11.3	8.8	8.0	8.4	1.4	0.0	0.8
25	18.4	17.6	18.0	13.0	11.5	12.1	8.6	7.5	8.3	---	---	---
26	18.7	18.0	18.3	12.9	12.0	12.5	7.5	6.1	7.0	2.0	1.4	1.7
27	19.0	18.1	18.5	12.9	11.2	12.2	6.9	6.1	6.4	2.0	1.4	1.6
28	19.1	18.3	18.6	12.7	9.8	11.2	7.3	6.0	6.8	---	---	---
29	18.7	18.0	18.4	11.2	9.3	10.3	7.6	6.0	6.8	3.3	1.5	2.3
30	18.1	17.0	17.6	10.5	9.4	10.0	7.8	6.8	7.5	3.3	2.3	2.9
31	17.0	15.4	16.2	---	---	---	7.9	7.3	7.7	3.6	3.0	3.3
MONTH	27.3	15.4	21.7	18.0	9.3	14.0	10.0	5.7	7.4	---	---	---
	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	3.7	3.2	3.4	8.7	8.0	8.4	---	---	---	22.1	21.0	21.5
2	4.2	2.9	3.4	9.6	8.2	9.0	---	---	---	23.7	21.1	22.0
3	5.0	2.9	3.9	9.7	8.5	9.0	17.4	14.8	15.6	23.0	20.9	22.1
4	6.6	4.5	5.8	9.8	8.5	9.2	18.2	15.5	16.5	20.9	19.5	20.2
5	6.7	5.8	6.4	11.0	9.5	10.2	17.5	16.4	16.8	19.5	18.8	19.1
6	6.6	5.7	6.2	11.1	10.5	10.8	17.4	16.5	17.0	20.8	18.9	19.8
7	6.0	5.8	5.9	10.6	9.2	9.8	16.5	15.6	16.1	22.5	20.3	21.2
8	5.9	4.9	5.4	9.7	8.6	9.0	15.7	14.8	15.2	23.8	21.2	22.4
9	6.4	5.5	5.8	10.8	9.4	10.1	14.8	13.8	14.3	24.4	21.7	23.4
10	6.2	5.5	5.8	11.6	9.5	10.3	13.9	12.8	13.3	24.6	22.9	23.5
11	6.4	5.1	5.7	10.8	10.2	10.4	12.8	11.9	12.5	25.0	23.1	24.0
12	6.6	5.4	5.9	11.7	10.2	10.8	13.3	11.5	12.5	24.0	22.7	23.2
13	6.6	5.2	5.8	12.8	11.0	11.9	14.2	12.8	13.3	22.7	21.7	22.1
14	6.6	5.4	5.8	12.6	10.8	11.6	15.2	13.2	14.0	22.9	21.0	22.1
15	---	---	---	11.5	10.4	10.9	15.5	13.6	14.4	22.3	21.6	21.9
16	---	---	---	12.6	11.2	11.7	17.1	15.0	16.0	24.0	21.6	22.4
17	---	---	---	---	---	---	18.0	15.8	16.6	22.9	21.2	22.0
18	---	---	---	---	---	---	17.0	16.1	16.6	21.4	20.6	21.0
19	---	---	---	---	---	---	17.0	16.2	16.6	20.6	19.7	20.1
20	7.7	6.6	6.8	---	---	---	17.4	16.1	16.7	20.9	19.3	19.9
21	8.1	6.6	7.3	---	---	---	18.3	16.4	17.0	21.9	19.8	20.6
22	10.0	6.3	8.1	---	---	---	19.0	16.7	17.8	22.1	20.6	21.4
23	---	---	---	---	---	---	18.7	17.2	17.8	21.1	20.4	20.7
24	9.7	8.2	9.2	---	---	---	18.9	16.5	17.4	21.1	20.1	20.5
25	9.9	9.3	9.6	---	---	---	18.2	17.5	17.9	22.3	20.2	21.1
26	9.6	8.8	9.1	---	---	---	19.3	17.5	17.9	22.8	21.1	21.9
27	8.8	8.3	8.5	---	---	---	19.5	17.8	18.8	22.6	20.7	21.9
28	8.6	8.0	8.2	---	---	---	20.0	18.4	18.9	22.2	20.9	21.6
29	---	---	---	---	---	---	21.5	19.7	20.5	22.4	21.1	21.8
30	---	---	---	---	---	---	21.8	20.3	21.0	22.7	20.8	21.9
31	---	---	---	---	---	---	---	---	---	22.8	21.3	22.0
MONTH	---	---	---	---	---	---	---	---	---	25.0	18.8	21.6

0208453300 PAMLICO RIVER AT LIGHT 5—Continued

TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	25.7	25.5	25.6	18.3	16.3	17.4	10.0	9.1	9.7	8.1	8.0	8.0
2	25.6	25.3	25.5	17.0	14.8	16.2	9.9	8.7	9.5	8.3	8.0	8.1
3	25.4	25.1	25.2	16.3	15.0	15.8	9.8	8.1	8.9	8.4	8.1	8.2
4	25.8	25.1	25.2	16.0	15.5	15.7	9.3	7.3	8.0	8.6	8.2	8.3
5	25.4	25.2	25.3	16.0	15.0	15.8	7.7	6.5	7.1	8.5	8.3	8.4
6	25.4	25.1	25.3	16.0	14.8	15.6	7.5	6.8	7.2	8.7	7.8	8.5
7	25.4	25.3	25.3	15.7	14.6	15.3	7.1	6.8	6.9	8.6	7.3	7.9
8	25.4	24.6	25.2	15.3	14.9	15.2	7.3	6.9	7.1	7.6	6.6	7.1
9	25.2	23.7	24.9	15.3	15.0	15.2	7.3	6.7	7.0	7.4	6.7	7.1
10	25.1	23.8	24.8	15.4	15.0	15.3	7.2	6.6	6.9	7.8	7.3	7.6
11	24.9	23.6	24.0	16.7	15.1	15.4	7.1	6.8	6.9	7.8	7.7	7.8
12	24.4	23.5	24.0	17.0	15.0	15.3	7.1	6.9	7.0	7.9	6.7	7.4
13	24.4	24.0	24.2	16.2	15.5	15.8	7.3	7.0	7.1	7.4	7.2	7.3
14	24.3	22.6	23.3	16.0	15.9	15.9	8.0	7.2	7.5	7.4	6.6	7.2
15	22.9	21.0	22.0	16.0	15.9	16.0	7.4	6.9	7.2	7.1	5.7	6.4
16	22.1	20.7	21.3	16.0	15.7	15.9	7.6	7.3	7.4	7.0	5.3	6.6
17	21.6	21.1	21.4	16.0	14.9	15.9	7.6	7.4	7.5	6.4	5.2	5.5
18	21.4	20.6	21.0	15.8	14.4	15.2	7.7	7.5	7.6	5.6	4.3	4.7
19	21.3	21.1	21.2	15.1	14.5	14.9	7.9	7.6	7.8	5.0	4.0	4.5
20	21.3	20.8	21.0	14.8	14.5	14.7	9.5	7.6	8.2	4.7	3.6	4.2
21	21.0	20.8	20.9	14.8	14.5	14.6	8.7	8.1	8.4	4.5	3.9	4.2
22	21.2	20.8	21.0	14.8	13.3	14.4	8.8	8.4	8.5	4.0	3.6	3.8
23	21.0	20.5	20.7	13.4	12.3	12.7	8.7	8.4	8.6	3.7	1.2	2.8
24	21.0	20.1	20.8	13.1	12.5	12.9	8.7	8.4	8.6	1.7	0.1	1.2
25	20.7	19.5	20.3	13.1	12.8	13.0	8.7	7.5	8.4	1.8	1.1	1.6
26	20.6	19.5	20.1	13.2	12.9	13.1	7.5	6.2	7.1	2.2	1.7	2.0
27	20.3	19.7	20.1	13.3	12.5	13.0	7.7	7.5	7.6	2.2	1.5	1.8
28	20.0	19.6	19.8	13.0	11.6	12.4	7.8	7.6	7.7	---	---	---
29	20.2	18.5	19.8	12.7	10.8	12.2	7.8	7.6	7.7	2.2	1.8	2.0
30	20.0	17.7	19.5	12.1	9.9	11.4	7.9	7.6	7.8	2.2	1.9	2.0
31	19.4	17.0	18.0	---	---	---	8.1	7.8	7.9	2.4	1.8	2.1
MONTH	25.8	17.0	22.5	18.3	9.9	14.7	10.0	6.2	7.8	---	---	---
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	2.4	1.9	2.1	8.8	8.6	8.8	---	---	---	18.3	16.5	16.9
2	2.7	2.3	2.5	8.8	8.6	8.7	---	---	---	21.0	16.8	18.1
3	3.3	2.5	2.7	8.8	8.7	8.7	15.4	14.1	14.5	22.1	16.7	18.3
4	6.5	2.7	3.9	9.0	8.8	8.9	17.6	14.1	15.1	20.4	17.4	18.2
5	5.3	3.6	4.4	10.3	8.9	9.3	16.9	14.4	15.3	19.1	17.4	18.1
6	6.1	4.5	4.8	11.0	8.9	9.1	17.0	14.4	15.3	20.2	17.8	19.0
7	5.8	4.7	5.2	9.8	8.9	9.2	16.5	15.0	15.9	19.3	17.8	18.1
8	5.5	5.1	5.3	9.2	9.0	9.1	15.7	14.8	15.2	21.1	18.0	18.6
9	5.5	5.3	5.4	9.3	9.1	9.2	15.1	13.8	14.3	22.8	18.4	19.3
10	6.0	5.3	5.6	9.8	9.2	9.3	13.9	12.7	13.3	22.1	18.9	20.0
11	5.8	5.4	5.6	9.8	9.3	9.5	12.8	11.9	12.5	23.7	19.6	21.1
12	6.6	5.6	6.0	9.7	9.4	9.5	13.0	11.6	12.4	23.1	20.3	22.5
13	6.3	5.4	6.0	9.6	9.4	9.5	13.2	12.6	12.7	22.7	21.7	22.1
14	6.3	5.7	6.2	12.0	9.5	10.1	14.9	12.7	13.1	22.2	21.2	21.7
15	---	---	---	10.7	9.8	10.1	14.6	13.2	13.9	22.1	21.6	21.8
16	---	---	---	12.2	10.3	11.2	16.5	13.3	14.8	22.0	21.5	21.7
17	---	---	---	---	---	---	17.6	13.7	15.7	22.8	21.2	21.9
18	---	---	---	---	---	---	16.9	16.1	16.5	21.4	20.6	20.9
19	---	---	---	---	---	---	16.8	15.2	16.5	20.6	19.7	20.1
20	6.3	6.2	6.3	---	---	---	16.6	13.7	14.5	19.8	19.2	19.4
21	6.4	6.2	6.3	---	---	---	14.9	13.9	14.2	21.2	19.8	20.3
22	9.0	6.3	6.5	---	---	---	15.6	14.1	14.4	21.2	20.2	20.4
23	---	---	---	---	---	---	15.9	14.6	15.1	20.9	20.2	20.5
24	9.8	8.6	9.1	---	---	---	16.6	15.1	15.6	20.4	20.1	20.2
25	9.9	9.1	9.5	---	---	---	16.4	15.5	15.8	21.8	20.2	20.5
26	9.6	8.8	9.1	---	---	---	17.2	15.9	16.1	22.0	20.6	20.9
27	9.1	8.8	9.0	---	---	---	17.4	16.0	16.2	21.9	20.7	21.2
28	9.0	8.4	8.9	---	---	---	17.8	16.1	16.4	21.6	20.8	21.0
29	---	---	---	---	---	---	17.4	16.2	16.3	22.1	20.8	21.2
30	---	---	---	---	---	---	18.8	16.2	16.5	21.4	20.9	21.0
31	---	---	---	---	---	---	---	---	---	21.9	21.1	21.2
MONTH	---	---	---	---	---	---	---	---	---	23.7	16.5	20.2

0208453300 PAMLICO RIVER AT LIGHT 5—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	9.1	6.8	7.9	8.0	6.3	7.3	9.7	8.8	9.2	13.4	6.6	11.3
2	9.5	3.9	7.4	7.9	7.1	7.5	10.5	8.5	9.8	12.0	7.2	10.6
3	7.6	0.2	4.3	8.5	6.9	7.7	10.8	9.7	10.3	14.1	9.2	11.4
4	5.9	0.3	2.5	8.8	7.4	8.1	10.6	9.7	10.2	11.6	8.9	10.1
5	9.2	2.8	5.8	8.7	5.3	7.8	10.5	9.6	10.1	12.0	8.6	10.1
6	6.7	0.6	4.5	8.3	7.5	8.0	10.8	9.8	10.4	11.3	6.8	8.9
7	9.1	3.6	6.6	8.4	7.2	7.9	11.3	10.0	10.7	9.7	7.2	8.5
8	7.9	4.7	6.6	9.9	7.5	8.4	12.0	9.3	11.0	10.9	8.2	9.7
9	7.5	5.7	6.4	9.8	4.1	8.2	11.6	9.4	10.8	12.2	9.3	10.9
10	7.3	5.9	6.6	10.2	5.3	8.8	11.1	10.0	10.7	12.6	10.3	11.7
11	6.6	5.4	6.1	9.3	8.2	8.8	10.8	9.8	10.4	14.4	10.3	12.3
12	6.8	5.8	6.3	8.4	5.5	7.8	11.7	10.0	10.7	13.8	9.0	12.9
13	7.1	4.0	6.0	8.3	7.2	7.7	11.2	10.0	10.4	14.6	11.5	13.0
14	7.7	6.0	6.9	8.4	5.4	7.2	10.5	9.6	10.1	13.6	8.1	12.0
15	8.0	6.5	7.3	7.7	4.1	6.3	13.3	9.9	11.0	12.8	11.3	12.1
16	7.8	6.3	7.0	7.8	5.6	7.3	12.9	10.8	11.7	12.3	10.1	11.3
17	8.8	5.2	6.9	8.5	6.0	7.7	12.6	8.8	11.5	10.6	9.5	10.1
18	8.6	3.0	5.8	7.7	6.2	7.0	13.3	9.5	12.1	11.3	9.6	10.2
19	7.5	2.6	5.2	7.6	6.7	7.1	13.9	9.8	12.1	11.3	9.6	10.6
20	6.9	1.3	4.2	6.8	2.6	5.1	13.8	10.3	11.7	11.2	9.7	10.6
21	7.0	0.3	3.9	5.8	1.6	3.8	12.0	9.9	11.0	11.1	10.0	10.6
22	5.4	0.8	3.9	6.6	2.5	4.9	12.3	10.1	11.0	10.8	10.2	10.5
23	5.9	0.8	4.1	8.0	6.5	7.4	12.4	10.2	11.0	11.3	10.4	10.8
24	8.6	2.3	5.5	8.6	8.0	8.2	12.5	8.2	11.1	11.6	10.1	11.1
25	8.2	7.1	7.6	8.6	6.2	7.7	10.6	8.7	9.7	---	---	---
26	7.7	6.9	7.2	9.3	5.0	7.5	11.5	9.4	10.4	12.4	10.0	11.2
27	7.6	6.4	7.1	9.0	6.2	7.9	13.0	10.5	11.1	12.5	10.0	11.2
28	7.4	4.9	6.9	9.5	6.2	8.1	13.6	9.3	12.0	12.2	10.3	11.2
29	7.7	6.7	7.2	9.5	8.3	9.0	13.9	10.1	12.2	12.2	9.9	11.5
30	7.6	6.5	7.0	9.2	8.3	9.0	14.7	7.8	11.8	12.1	9.6	11.3
31	7.5	6.5	7.1	---	---	---	15.4	10.6	12.9	11.9	10.8	11.5
MONTH	9.5	0.2	6.1	10.2	1.6	7.5	15.4	7.8	10.9	---	---	---
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	12.2	10.7	11.4	10.0	7.9	9.1	---	---	---	8.9	8.0	8.5
2	12.4	10.6	11.3	10.3	7.8	9.4	---	---	---	10.0	7.5	8.7
3	13.4	11.0	12.0	9.9	7.4	8.7	9.8	8.4	9.1	9.5	7.7	8.6
4	12.6	11.3	11.9	9.7	8.9	9.2	9.8	8.7	9.3	8.3	7.2	7.8
5	12.8	10.8	11.9	9.3	8.8	9.1	9.1	7.9	8.7	9.0	7.9	8.4
6	12.8	11.5	12.0	9.2	8.4	8.9	8.9	8.2	8.6	10.3	7.9	9.2
7	11.9	11.3	11.6	9.1	8.3	8.8	9.1	8.5	8.7	11.4	9.2	10.2
8	12.3	10.6	11.4	9.2	8.2	8.8	8.8	8.4	8.6	10.8	8.8	9.6
9	14.0	9.2	11.9	9.3	7.7	8.6	9.0	8.1	8.6	9.8	4.1	8.8
10	12.7	6.1	10.4	9.3	4.2	6.9	9.7	8.0	9.1	8.9	6.1	7.4
11	12.6	9.5	10.9	8.9	8.4	8.6	9.8	9.4	9.6	8.2	5.6	7.1
12	11.9	10.5	11.3	8.7	8.2	8.4	9.8	9.1	9.7	7.3	6.2	6.7
13	12.4	9.6	11.0	9.3	8.2	8.7	9.8	9.0	9.6	7.7	6.3	7.1
14	15.6	10.3	11.7	9.2	7.9	8.6	9.6	8.5	9.2	8.6	6.9	7.5
15	---	---	---	9.6	8.5	9.2	9.4	7.9	8.4	8.1	5.7	7.2
16	---	---	---	10.1	9.0	9.3	9.2	8.3	8.8	8.4	5.9	7.4
17	---	---	---	---	---	---	9.8	7.9	8.5	7.0	5.9	6.6
18	---	---	---	---	---	---	8.8	8.2	8.5	7.1	6.4	6.7
19	---	---	---	---	---	---	9.0	8.0	8.6	7.8	6.6	7.2
20	13.9	11.2	12.5	---	---	---	9.1	8.3	8.6	9.1	7.2	8.1
21	13.5	8.2	11.9	---	---	---	8.9	7.7	8.2	10.1	5.5	8.6
22	12.8	4.0	9.3	---	---	---	8.3	7.5	8.0	8.4	6.2	7.9
23	---	---	---	---	---	---	8.5	5.3	7.2	7.5	6.9	7.3
24	10.1	8.3	9.0	---	---	---	7.9	4.4	6.8	9.5	7.1	8.0
25	11.0	9.4	10.2	---	---	---	8.6	6.7	7.7	9.8	5.5	8.4
26	10.6	9.9	10.2	---	---	---	10.8	6.4	7.7	10.2	7.9	9.0
27	10.7	9.6	10.1	---	---	---	10.3	6.7	8.9	9.9	4.3	8.8
28	10.9	9.7	10.0	---	---	---	10.7	7.9	9.5	9.4	7.3	8.7
29	---	---	---	---	---	---	10.8	9.9	10.3	9.6	7.5	8.6
30	---	---	---	---	---	---	10.5	8.0	9.5	9.9	7.2	8.2
31	---	---	---	---	---	---	---	---	---	9.1	6.2	7.9
MONTH	---	---	---	---	---	---	---	---	---	11.4	4.1	8.1

0208453300 PAMLICO RIVER AT LIGHT 5—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	110	82	95	80	64	74	85	78	81	113	56	97
2	116	48	90	79	70	74	91	74	84	105	62	92
3	93	2	52	84	68	75	92	83	88	125	80	99
4	73	4	31	86	72	80	89	81	85	101	76	87
5	116	35	72	84	53	76	86	80	83	102	74	86
6	84	7	56	82	74	78	88	79	84	96	58	76
7	114	44	81	82	70	77	92	80	87	80	60	70
8	98	57	81	98	73	82	97	77	90	91	67	80
9	89	68	77	96	41	80	95	78	88	102	76	90
10	86	70	78	103	53	88	90	82	87	107	87	98
11	78	64	72	97	84	91	87	80	84	121	85	102
12	80	68	74	88	56	81	97	81	87	113	75	105
13	84	47	70	87	73	79	92	83	85	118	94	106
14	90	70	81	83	54	71	88	80	84	109	67	97
15	90	74	82	76	42	64	112	82	91	103	91	97
16	87	72	79	78	56	73	108	88	97	97	81	90
17	98	58	77	84	60	76	104	73	95	84	75	80
18	95	34	63	75	60	68	110	79	99	87	75	79
19	82	29	58	74	65	69	116	82	101	88	73	82
20	75	15	47	66	26	50	117	89	101	87	73	81
21	78	3	43	57	16	37	104	85	95	85	77	82
22	60	9	43	64	25	48	105	85	94	83	77	80
23	65	9	45	75	62	70	107	86	94	84	77	80
24	90	25	59	80	72	75	108	70	95	82	71	78
25	86	76	81	80	59	72	91	74	82	---	---	---
26	83	74	77	88	47	71	94	78	85	89	72	81
27	82	69	77	83	59	74	107	85	90	91	71	81
28	79	53	74	86	59	74	113	77	98	---	---	---
29	83	71	76	85	74	80	116	84	100	91	72	84
30	80	69	74	82	74	80	123	65	99	91	70	84
31	76	67	73	---	---	---	130	89	108	90	81	87
MONTH	116	2	69	103	16	73	130	65	91	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	92	80	86	85	68	78	---	---	---	102	90	96
2	94	79	85	89	67	82	---	---	---	117	85	100
3	102	83	91	87	64	76	101	83	91	111	86	99
4	100	88	95	84	77	80	103	87	95	92	81	87
5	105	87	97	84	77	81	95	82	90	98	85	91
6	104	92	97	84	76	81	92	85	90	115	85	101
7	96	90	93	81	74	78	93	86	89	132	102	115
8	99	83	90	81	71	76	87	84	86	124	99	111
9	114	74	96	82	68	77	88	80	84	117	47	104
10	103	48	83	86	37	62	92	77	87	107	71	88
11	102	75	87	80	75	77	92	89	90	100	66	84
12	97	83	91	80	73	76	94	85	91	85	73	79
13	101	76	88	87	75	81	95	86	92	89	72	82
14	125	82	94	85	72	79	96	82	89	100	79	87
15	---	---	---	88	78	83	94	77	82	93	65	82
16	---	---	---	95	82	86	96	83	89	99	68	85
17	---	---	---	---	---	---	104	80	88	82	68	75
18	---	---	---	---	---	---	91	84	87	80	72	75
19	---	---	---	---	---	---	93	82	88	86	74	79
20	117	92	103	---	---	---	94	84	89	102	80	89
21	113	68	99	---	---	---	95	79	85	114	60	96
22	108	33	79	---	---	---	90	77	84	97	69	90
23	---	---	---	---	---	---	91	55	76	84	78	81
24	89	72	79	---	---	---	85	45	71	107	79	89
25	97	82	90	---	---	---	91	71	82	112	61	94
26	93	86	89	---	---	---	116	67	82	119	89	103
27	92	82	86	---	---	---	112	71	96	114	48	101
28	94	83	86	---	---	---	118	85	103	108	82	99
29	---	---	---	---	---	---	123	109	115	111	85	99
30	---	---	---	---	---	---	119	90	107	115	81	94
31	---	---	---	---	---	---	---	---	---	106	70	91
MONTH	---	---	---	---	---	---	---	---	---	132	47	92

