## 0208453300 PAMLICO RIVER AT LIGHT 5

LOCATION.--Lat $35^{\circ} 25^{\prime} 52^{\prime \prime}$, long $76^{\circ} 50^{\prime} 29$ ', 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 $<0.1 \mathrm{ppt}$. Dissolved oxygen, minimum extremes are reported as $<1.0 \mathrm{mg} / \mathrm{L}$. 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 | August 6, 2003, September 23, 2003 <br> (Bril 1, 2000, February 14, 2002, | 5.9, October 23, 1999 |
| WATER TEMPERATURE (TOP), ${ }^{\circ} \mathrm{C}$ | 33.1, July 31, 1999 | 0.0, December 3, 1989, January 24, 2003 |
| WATER TEMPERATURE (BOTTOM), ${ }^{\circ} \mathrm{C}$ | 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 | 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), ${ }^{\circ} \mathrm{C}$ | 31.1, August 27 | 0.0, January 24 |
| WATER TEMPERATURE (BOTTOM), ${ }^{\circ} \mathrm{C}$ | 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 |

WA, WATER, UNFILTERED, PARIS PER THOUSAND, 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 | 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 | --- | --- | --- |

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

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | FEBRUARY |  |  | MARCH |  |  | APRIL |  |  | MAY |  |  |
| 1 | 12.6 | 6.4 | 9.6 | 4.7 | 0.9 | 2.8 | --- | --- | --- | 3.0 | 2.3 | 2.8 |
| 2 | 12.6 | 10.9 | 11.8 | 3.0 | 0.4 | 1.1 | --- | --- | --- | 2.8 | 2.0 | 2.4 |
| 3 | 15.5 | 11.9 | 12.9 | 7.8 | 0.6 | 2.7 | 1.6 | 1.3 | 1.4 | 3.2 | 2.0 | 2.4 |
| 4 | 13.7 | 10.6 | 11.8 | 4.4 | 3.2 | 3.8 | 2.1 | 1.3 | 1.6 | 3.5 | 2.8 | 3.1 |
| 5 | 12.4 | 9.9 | 11.2 | 3.5 | 1.5 | 2.6 | 2.2 | 1.7 | 1.8 | 3.4 | 3.2 | 3.3 |
| 6 | 13.0 | 10.7 | 11.8 | 2.7 | 0.8 | 1.4 | 2.5 | 1.5 | 2.0 | 3.2 | 2.2 | 2.6 |
| 7 | 10.9 | 8.1 | 9.6 | 3.3 | 1.1 | 2.1 | 2.6 | 2.0 | 2.3 | 2.5 | 1.5 | 2.0 |
| 8 | 11.6 | 6.3 | 7.8 | 3.1 | 0.8 | 1.5 | 2.7 | 2.1 | 2.3 | 2.6 | 1.4 | 2.0 |
| 9 | 12.2 | 6.7 | 9.6 | 2.7 | 0.3 | 1.0 | 2.7 | 2.1 | 2.4 | 4.4 | 1.8 | 2.2 |
| 10 | 14.7 | 5.3 | 10.9 | 7.5 | 0.2 | 3.4 | 2.9 | 1.5 | 2.4 | 3.3 | 2.3 | 2.7 |
| 11 | 11.0 | 8.3 | 9.5 | 2.2 | 0.4 | 1.0 | 1.6 | 0.6 | 1.1 | 3.8 | 2.7 | 3.1 |
| 12 | 8.3 | 6.7 | 7.6 | 0.7 | 0.3 | 0.4 | 1.7 | 0.4 | 0.7 | 4.3 | 3.3 | 3.7 |
| 13 | 8.5 | 7.3 | 7.8 | 0.7 | 0.2 | 0.4 | 1.5 | 0.3 | 0.5 | 4.5 | 3.8 | 4.0 |
| 14 | 8.0 | 6.0 | 7.1 | 4.9 | 0.4 | 2.1 | 0.4 | 0.1 | 0.2 | 4.4 | 3.2 | 3.9 |
| 15 | --- | --- | --- | 3.2 | 1.6 | 2.3 | 0.3 | 0.0 | 0.1 | 4.5 | 3.5 | 3.9 |
| 16 | --- | --- | --- | 3.0 | 1.6 | 2.4 | 0.2 | 0.1 | 0.1 | 4.0 | 3.4 | 3.7 |
| 17 | --- | --- | --- | --- | --- | --- | 0.2 | 0.0 | 0.1 | 4.1 | 3.5 | 4.0 |
| 18 | --- | --- | --- | --- | --- | --- | 0.2 | 0.0 | 0.1 | 4.2 | 4.0 | 4.1 |
| 19 | --- | --- | --- | --- | --- | --- | 0.1 | 0.0 | 0.1 | 4.0 | 3.4 | 3.7 |
| 20 | 5.6 | 3.3 | 5.0 | --- | --- | --- | 0.1 | 0.0 | 0.1 | 3.7 | 3.4 | 3.5 |
| 21 | 5.5 | 3.1 | 4.2 | --- | --- | --- | 0.1 | 0.0 | 0.1 | 3.7 | 2.4 | 3.2 |
| 22 | 11.5 | 3.0 | 5.2 | --- | --- | --- | 0.2 | 0.1 | 0.1 | 3.1 | 2.4 | 2.8 |
| 23 | --- | --- | --- | --- | --- | --- | 3.0 | 0.1 | 1.1 | 3.7 | 2.5 | 3.1 |
| 24 | 6.7 | 4.8 | 5.9 | --- | --- | --- | 4.1 | 1.1 | 2.2 | 2.6 | 1.4 | 2.0 |
| 25 | 5.7 | 3.5 | 4.9 | --- | --- | --- | 4.6 | 2.2 | 3.3 | 3.0 | 0.9 | 1.7 |
| 26 | 5.8 | 3.4 | 4.3 | --- | --- | --- | 4.1 | 2.4 | 3.1 | 1.6 | 0.6 | 0.9 |
| 27 | 3.7 | 2.3 | 3.0 | --- | --- | --- | 3.8 | 1.8 | 2.8 | 3.6 | 0.8 | 1.1 |
| 28 | 2.3 | 1.1 | 1.7 | --- | --- | --- | 3.8 | 1.9 | 2.9 | 0.9 | 0.3 | 0.4 |
| 29 | --- | --- | --- | --- | --- | --- | 2.7 | 1.8 | 2.1 | 0.7 | 0.3 | 0.5 |
| 30 | --- | --- | --- | --- | --- | --- | 3.4 | 1.8 | 2.4 | 0.8 | 0.3 | 0.5 |
| 31 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 1.6 | 0.3 | 0.7 |
| MONTH | --- | --- | --- | --- | --- | --- | --- | --- | --- | 4.5 | 0.3 | 2.6 |
|  | JUNE |  |  | JULY |  |  | AUGUST |  |  | SEPTEMBER |  |  |
| 1 | 1.5 | 0.7 | 1.0 | 2.2 | 1.7 | 2.0 | 2.3 | 1.4 | 1.8 | 4.6 | 2.7 | 3.2 |
| 2 | 1.0 | 0.4 | 0.7 | 3.9 | 1.7 | 2.7 | 1.9 | 1.6 | 1.7 | 3.3 | 2.9 | 3.1 |
| 3 | 0.8 | 0.3 | 0.5 | 3.7 | 2.9 | 3.2 | 2.3 | 1.7 | 1.8 | 3.9 | 2.8 | 3.1 |
| 4 | 0.7 | 0.2 | 0.4 | 3.8 | 2.6 | 3.2 | 2.4 | 1.4 | 1.8 | 3.5 | 3.0 | 3.2 |
| 5 | 0.4 | 0.2 | 0.3 | 2.9 | 2.5 | 2.7 | 2.3 | 1.5 | 1.8 | 3.8 | 3.4 | 3.6 |
| 6 | 1.0 | 0.1 | 0.3 | 3.1 | 2.3 | 2.8 | 1.9 | 1.5 | 1.7 | 4.3 | 3.5 | 3.8 |
| 7 | 0.7 | 0.2 | 0.3 | 3.0 | 2.4 | 2.6 | 1.8 | 1.4 | 1.6 | 4.9 | 4.0 | 4.3 |
| 8 | 0.5 | 0.3 | 0.3 | 2.9 | 2.3 | 2.7 | 2.0 | 1.1 | 1.4 | 4.9 | 4.4 | 4.5 |
| 9 | 0.4 | 0.2 | 0.3 | 3.2 | 2.3 | 2.6 | 2.5 | 1.0 | 1.3 | 5.3 | 4.5 | 4.8 |
| 10 | 0.4 | 0.2 | 0.3 | 3.8 | 2.1 | 2.4 | 1.4 | 0.7 | 1.0 | 5.6 | 4.7 | 5.2 |
| 11 | 0.4 | 0.1 | 0.2 | 2.8 | 2.2 | 2.5 | 0.9 | 0.3 | 0.6 | 5.6 | 4.7 | 5.2 |
| 12 | 0.2 | 0.2 | 0.2 | 2.8 | 2.4 | 2.6 | 1.1 | 0.1 | 0.4 | 5.5 | 3.9 | 4.9 |
| 13 | 0.4 | 0.2 | 0.3 | 3.0 | 2.5 | 2.8 | 0.6 | 0.1 | 0.2 | 5.1 | 3.6 | 4.5 |
| 14 | 0.5 | 0.3 | 0.3 | 3.0 | 2.4 | 2.7 | --- | --- | --- | 5.3 | 3.8 | 4.4 |
| 15 | 0.5 | 0.4 | 0.4 | --- | --- | --- | --- | --- | --- | 4.7 | 3.4 | 4.1 |
| 16 | 0.9 | 0.5 | 0.7 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 17 | 1.1 | 0.8 | 0.9 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 18 | 1.0 | 0.5 | 0.7 | 3.1 | 1.6 | 2.0 | --- | --- | --- | --- | --- | --- |
| 19 | 1.0 | 0.5 | 0.7 | 2.5 | 1.8 | 2.0 | --- | --- | --- | --- | --- | --- |
| 20 | 1.0 | 0.6 | 0.8 | 2.5 | 2.0 | 2.2 | --- | --- | --- | --- | --- | --- |
| 21 | 0.8 | 0.6 | 0.8 | 2.3 | 1.9 | 2.1 | --- | --- | --- | 3.3 | 2.4 | 2.6 |
| 22 | 1.1 | 0.6 | 0.8 | 2.2 | 2.1 | 2.1 | --- | --- | --- | 2.5 | 1.9 | 2.2 |
| 23 | 1.2 | 0.8 | 1.0 | 2.2 | 1.9 | 2.1 | 0.7 | 0.2 | 0.4 | 2.0 | 0.8 | 1.3 |
| 24 | 1.1 | 0.8 | 1.0 | 2.2 | 1.9 | 2.1 | 1.0 | 0.4 | 0.6 | --- | --- | --- |
| 25 | 1.1 | 0.6 | 0.9 | 2.2 | 1.5 | 1.7 | 1.0 | 0.5 | 0.7 | 1.8 | 0.4 | 0.9 |
| 26 | 1.1 | 0.7 | 0.9 | 2.2 | 1.5 | 1.8 | 0.8 | 0.4 | 0.6 | 2.3 | 0.2 | 1.1 |
| 27 | 2.1 | 1.0 | 1.3 | 2.0 | 1.2 | 1.5 | 1.0 | 0.5 | 0.7 | 2.9 | 0.3 | 1.1 |
| 28 | 3.6 | 1.4 | 1.8 | 1.8 | 1.2 | 1.5 | 3.7 | 0.8 | 1.3 | 0.6 | 0.2 | 0.4 |
| 29 | 4.9 | 1.7 | 2.2 | --- | --- | --- | 3.7 | 1.2 | 1.6 | 1.7 | 0.3 | 1.0 |
| 30 | 2.8 | 2.0 | 2.2 | --- | --- | --- | 4.5 | 1.6 | 2.2 | 2.6 | 0.9 | 1.6 |
| 31 | --- | --- | --- | --- | --- | --- | 7.7 | 2.2 | 2.8 | --- | --- | --- |
| MONTH | 4.9 | 0.1 | 0.8 | --- | --- | --- | --- | --- | --- | --- | --- | --- |


|  | 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 |
|  | OCTOBER |  |  | NOVEMBER |  |  | DECEMBER |  |  | JANUARY |  |  |
| 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 | --- | --- | --- |
|  | FEBRUARY |  |  | MARCH |  |  | APRIL |  |  | MAY |  |  |
| 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 | 11 | --- | --- | 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
SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | JUNE |  |  | JULY |  |  | AUGUST |  |  | SEPTEMBER |  |  |
| 1 | 1.5 | 0.8 | 1.1 | 7.6 | 5.0 | 7.4 | 2.7 | 2.2 | 2.5 | 8.9 | 8.3 | 8.7 |
| 2 | 1.1 | 0.4 | 0.8 | 7.6 | 3.8 | 6.4 | 4.9 | 2.2 | 3.3 | 8.7 | 8.0 | 8.4 |
| 3 | 0.9 | 0.4 | 0.8 | 3.9 | 3.0 | 3.5 | 4.7 | 2.3 | 4.0 | 8.6 | 8.2 | 8.4 |
| 4 | 0.8 | 0.4 | 0.6 | 3.9 | 3.0 | 3.6 | 4.7 | 2.2 | 3.8 | 8.4 | 8.0 | 8.2 |
| 5 | 0.6 | 0.2 | 0.4 | 4.2 | 2.9 | 3.6 | 4.8 | 1.7 | 3.7 | 9.0 | 5.2 | 8.3 |
| 6 | 1.1 | 0.4 | 0.7 | 4.2 | 3.0 | 3.5 | 5.2 | 1.7 | 4.0 | 9.0 | 8.5 | 8.7 |
| 7 | 0.9 | 0.3 | 0.6 | 3.9 | 2.5 | 3.0 | 5.0 | 2.7 | 4.4 | 8.6 | 4.3 | 7.8 |
| 8 | 0.7 | 0.3 | 0.4 | 3.3 | 2.7 | 2.9 | 4.6 | 1.9 | 3.3 | 8.4 | 4.3 | 5.9 |
| 9 | 2.2 | 0.3 | 0.6 | 3.4 | 2.5 | 3.1 | 3.6 | 1.6 | 2.4 | 8.0 | 4.4 | 5.2 |
| 10 | 1.8 | 0.3 | 0.7 | 4.1 | 2.6 | 3.6 | 3.0 | 0.9 | 2.1 | 5.5 | 4.8 | 5.2 |
| 11 | 1.0 | 0.1 | 0.4 | 4.0 | 2.5 | 3.2 | 1.9 | 0.5 | 1.3 | 5.6 | 4.8 | 5.3 |
| 12 | 2.5 | 0.3 | 1.3 | 3.0 | 2.5 | 2.7 | 2.1 | 0.2 | 1.4 | 5.5 | 4.7 | 5.1 |
| 13 | 2.5 | 0.9 | 1.8 | 3.0 | 2.5 | 2.8 | 1.6 | 0.1 | 0.4 | 5.2 | 4.8 | 5.1 |
| 14 | 4.2 | 0.3 | 2.3 | 3.0 | 2.6 | 2.8 | --- | --- | --- | 5.5 | 4.7 | 5.2 |
| 15 | 4.7 | 0.8 | 4.0 | --- | --- | --- | --- | --- | --- | 5.3 | 4.4 | 5.0 |
| 16 | 4.7 | 0.8 | 4.0 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 17 | 4.2 | 0.8 | 1.7 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 18 | 3.2 | 0.6 | 1.3 | 3.4 | 2.1 | 3.0 | --- | --- | --- |  | --- | --- |
| 19 | 2.6 | 0.7 | 1.5 | 3.4 | 2.0 | 2.8 | --- | --- | --- | --- | --- | --- |
| 20 | 2.7 | 0.8 | 2.1 | 3.2 | 2.2 | 3.0 | --- | --- | --- | --- | --- | --- |
| 21 | 2.9 | 0.7 | 1.7 | 3.1 | 2.1 | 2.6 | --- | --- | --- | 4.2 | 3.2 | 3.7 |
| 22 | 2.6 | 0.9 | 1.7 | 2.9 | 2.1 | 2.6 | --- | --- | --- | 4.4 | 2.0 | 3.0 |
| 23 | 2.5 | 0.9 | 1.4 | 2.8 | 2.0 | 2.2 | 3.2 | 0.5 | 2.0 | 4.4 | 0.9 | 2.2 |
| 24 | 2.7 | 1.0 | 1.8 | 2.6 | 1.9 | 2.2 | 3.4 | 2.7 | 3.2 | --- | --- | --- |
| 25 | 2.9 | 1.8 | 2.5 | 2.7 | 1.9 | 2.4 | 4.0 | 1.1 | 2.7 | 4.8 | 3.0 | 4.2 |
| 26 | 3.8 | 1.3 | 2.6 | 2.6 | 1.6 | 2.1 | 5.3 | 2.9 | 4.6 | 4.9 | 3.6 | 4.6 |
| 27 | 6.8 | 2.1 | 4.6 | 2.5 | 1.4 | 2.0 | 5.9 | 4.6 | 5.4 | 4.7 | 1.6 | 4.0 |
| 28 | 7.9 | 5.2 | 7.2 | 2.6 | 1.7 | 2.3 | 7.1 | 5.6 | 6.2 | 4.7 | 0.6 | 3.7 |
| 29 | 7.7 | 4.5 | 6.6 | --- | -- | --- | 8.5 | 6.4 | 7.5 | 5.3 | 0.7 | 3.8 |
| 30 | 7.8 | 4.1 | 6.7 | --- | --- | --- | 9.3 | 7.0 | 8.4 | 5.9 | 1.6 | 4.8 |
| 31 | --- | --- | --- | --- | --- | --- | 9.5 | 7.4 | 9.0 | --- | --- | --- |
| MONTH | 7.9 | 0.1 | 2.1 | --- | --- | --- | --- | --- | --- | --- | --- | --- |

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 | --- | --- | --- |
|  | FEBRUARY |  |  | MARCH |  |  | APRIL |  |  | MAY |  |  |
| 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, TOP-CONTINUED WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

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

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 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | OCTOBER |  |  | NOVEMBER |  |  | DECEMBER |  |  | JANUARY |  |  |
| 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 |
|  | FEBRUARY |  |  | MARCH |  |  | APRIL |  |  | MAY |  |  |
| 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 | 7.9 | 6 | 7.2 | 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 |

PAMLICO RIVER BASIN
0208453300 PAMLICO RIVER AT LIGHT 5-Continued
PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM-CONTINUED WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| ---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | JUNE |  |  | JULY |  |  | AUGUST |  |  |  |  |
| 1 | 7.4 | 6.9 | 7.1 |  | 7.2 | 7.0 | 7.2 | 7.8 | 7.2 | 7.3 | 7.2 | 7.1 |
| SEPTEMBER |  |  |  |  |  |  |  |  |  |  |  |  |

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 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | OCTOBER |  |  | NOVEMBER |  |  | DECEMBER |  |  | JANUARY |  |  |
| 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 |  |  |
| 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 |

PAMLICO RIVER BASIN
0208453300 PAMLICO RIVER AT LIGHT 5-Continued
TEMPERATURE, WATER, DEGREES CELSIUS, TOP-CONTINUED WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| ---: | ---: | ---: | ---: | ---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |

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 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | OCTOBER |  |  | NOVEMBER |  |  | DECEMBER |  |  | JANUARY |  |  |
| 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 | --- | --- | --- |
|  | FEBRUARY |  |  | MARCH |  |  | APRIL |  |  | MAY |  |  |
| 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 |

PAMLICO RIVER BASIN
0208453300 PAMLICO RIVER AT LIGHT 5-Continued
TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM-CONTINUED WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | JUNE |  |  | JULY |  |  | AUGUST |  |  | SEPTEMBER |  |  |
| 1 | 21.7 | 20.5 | 21.1 | 26.8 | 25.9 | 26.0 | 28.3 | 28.1 | 28.2 | 28.0 | 27.8 | 27.9 |
| 2 | 21.1 | 20.7 | 20.9 | 26.6 | 25.9 | 26.2 | 28.6 | 27.8 | 28.1 | 28.2 | 27.9 | 28.0 |
| 3 | 22.3 | 20.8 | 21.0 | 27.0 | 26.1 | 26.5 | 28.4 | 27.8 | 28.0 | 28.0 | 27.8 | 27.9 |
| 4 | 22.6 | 21.2 | 21.8 | 27.7 | 26.4 | 26.8 | 28.4 | 27.8 | 28.0 | 27.9 | 27.7 | 27.8 |
| 5 | 23.4 | 21.9 | 22.5 | 28.0 | 26.4 | 26.9 | 28.1 | 27.7 | 27.9 | 28.8 | 27.8 | 27.9 |
| 6 | 22.8 | 22.4 | 22.6 | 28.4 | 26.6 | 27.5 | 28.3 | 27.6 | 27.8 | 27.9 | 27.7 | 27.8 |
| 7 | 23.7 | 22.6 | 23.1 | 29.3 | 27.3 | 28.3 | 27.9 | 27.6 | 27.7 | 27.8 | 26.1 | 27.2 |
| 8 | 24.0 | 23.2 | 23.7 | 28.9 | 28.0 | 28.3 | 27.9 | 27.7 | 27.8 | 27.4 | 25.4 | 26.1 |
| 9 | 25.1 | 23.2 | 24.2 | 30.1 | 28.2 | 28.8 | 27.9 | 27.6 | 27.7 | 26.6 | 24.8 | 25.4 |
| 10 | 26.0 | 23.4 | 24.1 | 29.6 | 28.0 | 28.6 | 27.7 | 27.4 | 27.6 | 25.2 | 24.4 | 24.7 |
| 11 | 26.0 | 23.9 | 25.2 | 29.7 | 28.4 | 28.9 | 27.6 | 27.1 | 27.3 | 24.4 | 23.2 | 23.7 |
| 12 | 26.5 | 23.5 | 24.7 | 29.2 | 28.4 | 28.6 | 27.3 | 26.9 | 27.1 | 23.6 | 23.0 | 23.3 |
| 13 | 26.8 | 23.6 | 24.9 | 28.5 | 27.3 | 28.1 | 27.4 | 26.8 | 27.0 | 23.5 | 23.2 | 23.3 |
| 14 | 26.9 | 23.8 | 25.0 | 27.6 | 26.9 | 27.2 | --- | --- | --- | 23.5 | 23.2 | 23.3 |
| 15 | 27.8 | 23.7 | 24.1 | . |  | --- | --- | --- | --- | 23.8 | 23.3 | 23.5 |
| 16 | 27.2 | 23.9 | 24.7 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 17 | 27.1 | 24.7 | 26.3 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 18 | 27.1 | 25.0 | 26.2 | 28.6 | 27.4 | 27.7 | --- | --- | --- | --- | --- | --- |
| 19 | 27.4 | 25.5 | 26.4 | 28.4 | 27.5 | 27.9 | --- | --- | --- | --- | --- | --- |
| 20 | 27.1 | 25.5 | 25.9 | 27.7 | 27.5 | 27.6 | --- | --- | --- | --- | --- | --- |
| 21 | 27.2 | 25.4 | 26.2 | 28.8 | 27.0 | 27.5 | --- | --- | --- | 23.2 | 22.9 | 23.0 |
| 22 | 26.4 | 25.5 | 25.8 | 28.9 | 27.6 | 28.0 | --- | --- | --- | 24.7 | 23.1 | 23.7 |
| 23 | 26.1 | 25.3 | 25.6 | 28.3 | 27.4 | 27.9 | 28.5 | 27.2 | 27.8 | 25.1 | 23.8 | 24.3 |
| 24 | 26.2 | 25.3 | 25.5 | 27.9 | 27.0 | 27.6 | 27.9 | 27.5 | 27.6 | --- | --- | --- |
| 25 | 25.8 | 25.4 | 25.5 | 27.9 | 27.4 | 27.6 | 28.4 | 27.6 | 27.8 | 24.2 | 23.9 | 24.1 |
| 26 | 27.2 | 25.4 | 25.9 | 27.9 | 27.3 | 27.5 | 27.9 | 27.5 | 27.6 | 24.1 | 23.9 | 24.0 |
| 27 | 26.7 | 25.5 | 25.8 | 28.1 | 27.4 | 27.7 | 27.7 | 27.5 | 27.6 | 24.2 | 23.9 | 24.0 |
| 28 | 26.0 | 25.7 | 25.9 | 28.7 | 27.5 | 27.9 | 27.8 | 27.6 | 27.7 | 24.6 | 24.0 | 24.1 |
| 29 | 27.0 | 25.8 | 26.1 | --- | --- | --- | 27.8 | 27.6 | 27.7 | 24.2 | 23.4 | 23.9 |
| 30 | 27.3 | 25.9 | 26.1 | --- | --- | --- | 27.9 | 27.6 | 27.7 | 24.1 | 21.9 | 23.6 |
| 31 | --- | --- | --- | --- | --- | --- | 28.4 | 27.7 | 27.9 | --- | --- | --- |
| MONTH | 27.8 | 20.5 | 24.6 | --- | --- | --- | --- | --- | --- | --- | --- | --- |

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 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | OCTOBER |  |  | NOVEMBER |  |  | DECEMBER |  |  | JANUARY |  |  |
| 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 | --- | --- | --- |
|  | FEBRUARY |  |  | MARCH |  |  | APRIL |  |  | MAY |  |  |
| 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 |

PAMLICO RIVER BASIN
0208453300 PAMLICO RIVER AT LIGHT 5-Continued
DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP—CONTINUED WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | JUNE |  |  | JULY |  |  | AUGUST |  |  | SEPTEMBER |  |  |
| 1 | 7.9 | 5.9 | 6.7 | 7.9 | 5.6 | 6.8 | 8.2 | 3.4 | 6.7 | 9.5 | 3.5 | 7.1 |
| 2 | 9.3 | 6.9 | 7.6 | 7.1 | 4.7 | 6.0 | 9.2 | 7.1 | 8.1 | 9.7 | 6.6 | 7.9 |
| 3 | 9.1 | 6.2 | 7.8 | 6.9 | 4.8 | 5.9 | 9.0 | 4.3 | 7.5 | 8.6 | 4.8 | 7.4 |
| 4 | 8.5 | 7.3 | 7.8 | 9.4 | 5.2 | 7.1 | 8.6 | 6.0 | 7.4 | 8.9 | 6.7 | 8.0 |
| 5 | 8.7 | 7.0 | 7.7 | 8.3 | 7.3 | 7.8 | 10.1 | 4.8 | 7.4 | 8.7 | 5.9 | 7.2 |
| 6 | 9.0 | 4.9 | 7.6 | 8.2 | 7.0 | 7.4 | 9.2 | 6.6 | 8.0 | 8.3 | 6.7 | 7.3 |
| 7 | 7.9 | 6.2 | 7.2 | 7.3 | 6.0 | 6.7 | 8.8 | 6.3 | 7.5 | 8.1 | 4.3 | 7.1 |
| 8 | 7.9 | 6.5 | 7.4 | 7.1 | 4.9 | 5.9 | 8.1 | 6.4 | 7.4 | 7.9 | 6.2 | 6.8 |
| 9 | 9.1 | 6.9 | 8.0 | 8.0 | 5.3 | 6.9 | 7.3 | 2.2 | 6.0 | 7.4 | 6.1 | 6.7 |
| 10 | 8.6 | 5.1 | 7.7 | 9.1 | 3.8 | 7.2 | 7.3 | 5.0 | 6.2 | 7.2 | 5.1 | 6.3 |
| 11 | 8.4 | 6.7 | 7.7 | 7.7 | 5.0 | 6.7 | 8.4 | 5.2 | 6.7 | 7.5 | 5.6 | 6.6 |
| 12 | 8.1 | 6.5 | 7.5 | 8.9 | 5.5 | 6.7 | 8.0 | 4.6 | 6.7 | 8.2 | 6.1 | 7.1 |
| 13 | 8.0 | 6.9 | 7.5 | 7.4 | 5.4 | 6.1 | 8.3 | 5.7 | 6.6 | 10.3 | 5.6 | 7.2 |
| 14 | 8.7 | 6.8 | 7.6 | 9.7 | 5.9 | 6.9 | --- | --- | --- | 11.7 | 3.4 | 7.7 |
| 15 | 9.0 | 5.9 | 7.6 | --- | --- | --- | --- | --- | --- | 12.0 | 6.7 | 9.4 |
| 16 | 8.7 | 6.6 | 7.8 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 17 | 7.6 | 6.9 | 7.2 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 18 | 9.9 | 6.2 | 7.9 | 9.1 | 0.7 | 7.2 | --- | --- | --- | --- | --- | --- |
| 19 | 8.8 | 6.9 | 7.9 | 9.2 | 4.7 | 6.9 | --- | --- | --- | --- | --- | --- |
| 20 | 8.9 | 6.0 | 7.7 | 11.9 | 4.4 | 7.5 | --- | --- | --- | --- | --- | --- |
| 21 | 8.8 | 6.8 | 7.8 | 13.0 | 6.3 | 9.0 | --- | --- | --- | 12.6 | 7.9 | 10.8 |
| 22 | 8.8 | 6.2 | 7.4 | 11.2 | 6.7 | 7.8 | --- | --- | --- | 9.8 | 7.6 | 9.0 |
| 23 | 8.5 | 5.6 | 7.1 | 8.7 | 5.2 | 6.2 | 8.7 | 6.6 | 7.4 | 9.8 | 6.7 | 8.0 |
| 24 | 9.7 | 6.4 | 8.4 | 7.8 | 5.3 | 6.4 | 10.3 | 6.7 | 8.3 | --- | --- | --- |
| 25 | 9.5 | 6.5 | 8.3 | 8.6 | 4.3 | 7.6 | 10.4 | 7.7 | 9.0 | 7.4 | 3.4 | 5.5 |
| 26 | 8.8 | 6.5 | 7.4 | 9.0 | 4.3 | 7.1 | 9.9 | 7.4 | 8.4 | 6.3 | 1.3 | 3.5 |
| 27 | 8.8 | 5.3 | 7.0 | 9.4 | 4.1 | 7.8 | 9.9 | 6.1 | 7.7 | 6.5 | 0.3 | 3.6 |
| 28 | 7.8 | 2.5 | 6.4 | 9.6 | 6.6 | 7.9 | 10.0 | 1.1 | 6.5 | 6.4 | 3.8 | 5.0 |
| 29 | 7.5 | 0.9 | 6.2 | --- | --- | --- | 8.8 | 3.2 | 7.0 | 5.5 | 4.3 | 4.9 |
| 30 | 8.0 | 4.4 | 6.8 | --- | --- | --- | 8.4 | 2.8 | 6.7 | 7.2 | 4.1 | 5.7 |
| 31 | --- | --- | --- | --- | --- | -- | 9.7 | 1.1 | 6.9 | --- | --- | -- |
| MONTH | 9.9 | 0.9 | 7.5 | --- | --- | --- | --- | --- | --- | --- | --- | --- |

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM 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 | 1.6 | 0.0 | 0.1 | 6.9 | 1.9 | 4.5 | 9.4 | 8.0 | 8.7 | 6.1 | 4.4 | 4.9 |
| 2 | 0.7 | 0.0 | 0.0 | 7.7 | 4.5 | 5.5 | 9.5 | 7.5 | 8.2 | 4.5 | 3.6 | 3.9 |
| 3 | 2.5 | 0.1 | 1.2 | 7.2 | 5.0 | 5.8 | 10.2 | 7.2 | 8.9 | 3.9 | 2.5 | 3.2 |
| 4 | 2.9 | 1.0 | 1.7 | 6.2 | 4.9 | 5.6 | 9.9 | 7.8 | 9.0 | 9.2 | 2.0 | 2.8 |
| 5 | 1.4 | 0.2 | 0.7 | 7.1 | 4.0 | 4.9 | 10.5 | 8.7 | 9.5 | 2.9 | 1.9 | 2.6 |
| 6 | 2.8 | 0.2 | 0.7 | 8.3 | 3.9 | 5.1 | 9.9 | 8.6 | 9.2 | 9.4 | 1.3 | 2.7 |
| 7 | 0.3 | 0.3 | 0.3 | 7.3 | 3.9 | 4.9 | 9.9 | 8.8 | 9.3 | 9.4 | 1.8 | 5.4 |
| 8 | 4.5 | 0.3 | 0.9 | 5.6 | 3.9 | 4.8 | 9.3 | 8.3 | 8.7 | 10.8 | 6.5 | 9.0 |
| 9 | 5.1 | 0.4 | 1.2 | 4.9 | 3.5 | 4.3 | 10.6 | 8.5 | 9.1 | 10.8 | 9.0 | 9.9 |
| 10 | 4.1 | 0.5 | 0.9 | 6.0 | 3.1 | 3.9 | 9.8 | 8.2 | 9.1 | 11.2 | 9.5 | 10.1 |
| 11 | 5.2 | 0.5 | 2.8 | 8.0 | 2.7 | 4.2 | 10.0 | 9.0 | 9.4 | 9.8 | 8.4 | 9.1 |
| 12 | 5.6 | 0.6 | 2.5 | 7.3 | 3.7 | 4.5 | 9.1 | 8.3 | 8.6 | 10.8 | 7.3 | 8.7 |
| 13 | 2.6 | 0.6 | 0.9 | 8.0 | 4.4 | 5.1 | 10.1 | 7.7 | 8.7 | 8.7 | 6.6 | 7.8 |
| 14 | 7.0 | 0.7 | 4.8 | 5.9 | 4.5 | 5.0 | 10.6 | 8.0 | 9.7 | 10.3 | 6.1 | 7.4 |
| 15 | 6.9 | 4.9 | 5.9 | 5.7 | 3.8 | 4.4 | 10.4 | 8.6 | 9.5 | 12.2 | 7.3 | 9.7 |
| 16 | 6.9 | 4.0 | 5.5 | 6.2 | 4.1 | 4.9 | 9.4 | 8.2 | 8.7 | 11.7 | 6.0 | 7.9 |
| 17 | 5.1 | 3.2 | 3.9 | 6.6 | 3.8 | 4.3 | 8.6 | 7.5 | 7.9 | 12.3 | 8.4 | 11.4 |
| 18 | 4.6 | 2.1 | 3.3 | 7.1 | 3.9 | 5.3 | 8.3 | 6.6 | 7.2 | 11.8 | 10.7 | 11.3 |
| 19 | 2.7 | 1.5 | 2.1 | 6.5 | 4.8 | 5.5 | 7.8 | 6.0 | 6.9 | 12.7 | 10.3 | 11.7 |
| 20 | 4.3 | 1.0 | 2.4 | 6.6 | 5.0 | 5.8 | 11.2 | 6.4 | 7.8 | 12.8 | 11.6 | 12.2 |
| 21 | 3.7 | 1.7 | 2.5 | 6.4 | 4.8 | 5.8 | 7.4 | 5.8 | 6.6 | 12.6 | 11.5 | 12.1 |
| 22 | 1.9 | 0.3 | 1.1 | 6.8 | 4.5 | 5.4 | 9.7 | 5.8 | 6.6 | 12.4 | 11.4 | 11.9 |
| 23 | 3.1 | 0.6 | 1.7 | 7.7 | 6.6 | 7.1 | 7.5 | 6.0 | 6.7 | 12.9 | 12.2 | 12.5 |
| 24 | 1.7 | 0.3 | 0.6 | 7.6 | 6.0 | 6.6 | 10.2 | 6.2 | 7.2 | 12.8 | 11.7 | 12.2 |
| 25 | 7.3 | 0.2 | 0.5 | 6.7 | 5.9 | 6.3 | 10.0 | 6.3 | 8.4 | 12.3 | 11.2 | 11.5 |
| 26 | 1.4 | 0.3 | 0.5 | 6.0 | 4.6 | 5.3 | 10.8 | 9.4 | 10.1 | 11.2 | 10.0 | 10.6 |
| 27 | 1.8 | 0.3 | 0.5 | 8.0 | 4.0 | 5.4 | 10.6 | 8.5 | 9.2 | 12.3 | 9.8 | 11.4 |
| 28 | 1.6 | 0.4 | 0.8 | 7.6 | 4.6 | 5.9 | 8.6 | 7.8 | 8.2 | 13.9 | 10.2 | 11.3 |
| 29 | 6.9 | 0.4 | 1.1 | 7.9 | 4.6 | 5.8 | 8.0 | 7.1 | 7.5 | 11.8 | 10.6 | 11.1 |
| 30 | 7.2 | 0.4 | 1.3 | 9.0 | 5.4 | 6.6 | 8.0 | 6.3 | 7.0 | 11.3 | 9.0 | 10.5 |
| 31 | 5.8 | 0.5 | 3.3 | --- | --- | --- | 6.7 | 4.8 | 5.9 | 11.2 | 8.6 | 9.9 |
| MONTH | 7.3 | 0.0 | 1.8 | 9.0 | 1.9 | 5.3 | 11.2 | 4.8 | 8.3 | 13.9 | 1.3 | 8.9 |
|  | FEBRUARY |  |  | MARCH |  |  | APRIL |  |  | MAY |  |  |
| 1 | 11.1 | 9.7 | 10.5 | 6.6 | 3.2 | 5.2 | --- | --- | --- | 2.4 | 0.4 | 0.7 |
| 2 | 10.0 | 9.0 | 9.5 | 6.6 | 3.4 | 5.8 | --- | -- | --- | 7.8 | 0.4 | 1.9 |
| 3 | 11.8 | 9.2 | 10.1 | 7.0 | 4.2 | 6.2 | 7.8 | 0.6 | 4.3 | 8.6 | 0.5 | 2.6 |
| 4 | 13.2 | 9.5 | 10.7 | 7.5 | 4.1 | 6.2 | 8.2 | 1.2 | 4.4 | 6.7 | 0.5 | 1.7 |
| 5 | 11.1 | 8.9 | 10.2 | 9.5 | 4.7 | 7.1 | 7.8 | 1.8 | 3.8 | 7.6 | 0.6 | 1.8 |
| 6 | 13.3 | 8.0 | 9.5 | 8.9 | 3.6 | 4.4 | 8.1 | 2.1 | 4.3 | 9.4 | 0.8 | 6.5 |
| 7 | 12.6 | 6.8 | 8.0 | 6.0 | 2.9 | 4.0 | 8.5 | 2.0 | 7.0 | 4.7 | 0.7 | 1.1 |
| 8 | 9.5 | 6.6 | 8.6 | 3.4 | 1.8 | 3.0 | 8.4 | 1.7 | 6.3 | 6.6 | 0.1 | 0.9 |
| 9 | 8.8 | 6.2 | 7.3 | 3.2 | 1.7 | 2.6 | 8.5 | 3.0 | 7.7 | 4.7 | 0.1 | 0.8 |
| 10 | 13.2 | 6.1 | 8.4 | 4.1 | 1.7 | 2.5 | 9.0 | 7.6 | 8.5 | 4.0 | 0.1 | 0.8 |
| 11 | 11.0 | 7.6 | 9.1 | 3.6 | 1.8 | 2.4 | 9.3 | 8.5 | 9.0 | 5.5 | 0.1 | 1.4 |
| 12 | 12.9 | 7.1 | 10.1 | 2.5 | 0.7 | 1.7 | 9.3 | 7.7 | 8.8 | 6.2 | 0.1 | 3.2 |
| 13 | 12.2 | 9.4 | 10.6 | 3.6 | 0.6 | 1.3 | 8.2 | 6.9 | 7.4 | --- | - | -- |
| 14 | 12.7 | 6.9 | 9.2 | 7.4 | 0.9 | 2.6 | 8.9 | 6.7 | 7.5 | --- | --- | --- |
| 15 | --- | 6.9 | 9.2 | 5.3 | 1.0 | 2.0 | 8.5 | 5.8 | 7.5 | 7.0 | 4.4 | 5.5 |
| 16 | --- | --- | --- | 9.3 | 1.2 | 6.2 | 8.4 | 5.5 | 7.4 | 7.1 | 3.5 | 5.9 |
| 17 | --- | --- | --- | --- | --- | --- | 8.8 | 4.4 | 7.1 | 7.1 | 3.6 | 6.5 |
| 18 | --- | --- | --- | --- | --- | --- | 8.6 | 8.0 | 8.2 | 7.3 | 6.6 | 6.9 |
| 19 | --- | --- | --- | --- | --- | --- | 8.8 | 3.1 | 8.1 | 7.8 | 6.8 | 7.3 |
| 20 | 7.8 | 6.7 | 7.3 | --- | --- | --- | 8.6 | 1.4 | 3.1 | 7.9 | 6.8 | 7.4 |
| 21 | 7.0 | 5.8 | 6.5 | --- | --- | --- | 2.6 | 0.7 | 1.3 | 8.7 | 5.3 | 7.1 |
| 22 | 8.9 | 5.3 | 6.0 | --- | --- | --- | 4.9 | 0.6 | 1.1 | 7.7 | 4.4 | 5.2 |
| 23 | --- | --- | --- | --- | --- | --- | 2.8 | 0.5 | 1.2 | 7.5 | 3.9 | 6.6 |
| 24 | 9.8 | 7.7 | 8.9 | --- | --- | --- | 2.8 | 0.7 | 1.5 | 7.5 | 5.2 | 6.6 |
| 25 | 11.7 | 5.8 | 9.2 | --- | --- | --- | 2.8 | 0.6 | 1.5 | 7.7 | 4.1 | 5.6 |
| 26 | 11.2 | 3.8 | 10.2 | --- | --- | --- | 5.6 | 0.8 | 1.4 | 8.0 | 3.7 | 5.1 |
| 27 | 7.8 | 3.4 | 4.4 | --- | -- | --- | 5.8 | 0.8 | 1.4 | 9.4 | 2.9 | 5.8 |
| 28 | 8.8 | 2.5 | 5.5 | --- | --- | --- | 5.4 | 0.5 | 1.0 | 9.1 | 1.8 | 3.4 |
| 29 | --- | --- | --- | --- | --- | --- | 3.8 | 0.4 | 0.6 | 9.3 | 1.0 | 3.7 |
| 30 | --- | --- | --- | --- | --- | --- | 3.9 | 0.3 | 0.6 | 5.6 | 1.0 | 2.0 |
| 31 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 7.5 | 1.1 | 2.8 |
| MONTH | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

PAMLICO RIVER BASIN
0208453300 PAMLICO RIVER AT LIGHT 5-Continued
DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM—CONTINUED WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | JUNE |  |  | JULY |  |  | AUGUST |  |  | SEPTEMBER |  |  |
| 1 | 8.0 | 6.0 | 6.8 | 1.6 | 0.5 | 0.6 | 3.8 | 0.3 | 1.4 | 0.4 | 0.1 | 0.3 |
| 2 | 7.4 | 6.3 | 6.9 | 4.4 | 0.6 | 1.5 | 5.1 | 0.0 | 0.6 | 0.5 | 0.3 | 0.4 |
| 3 | 7.7 | 5.7 | 6.2 | 7.1 | 4.0 | 5.3 | 2.4 | 0.0 | 0.2 | 0.5 | 0.0 | 0.3 |
| 4 | 8.2 | 5.2 | 6.2 | 8.5 | 4.9 | 6.1 | 7.2 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 |
| 5 | 7.7 | 4.9 | 6.6 | 7.8 | 2.6 | 4.8 | 5.7 | 0.0 | 1.1 | 2.8 | 0.0 | 0.1 |
| 6 | 6.2 | 4.9 | 5.4 | 7.6 | 2.4 | 4.8 | 7.7 | 0.0 | 1.8 | 0.1 | 0.0 | 0.0 |
| 7 | 6.8 | 4.5 | 5.6 | 7.5 | 2.7 | 5.9 | 2.8 | 0.0 | 0.1 | 7.1 | 0.0 | 1.1 |
| 8 | 7.1 | 4.4 | 5.8 | 6.4 | 4.8 | 5.7 | 4.8 | 0.0 | 1.2 | 6.8 | 0.0 | 3.8 |
| 9 | 7.9 | 1.9 | 5.6 | 7.0 | 3.4 | 4.9 | 6.1 | 0.3 | 2.8 | 7.3 | 0.0 | 5.5 |
| 10 | 6.8 | 1.3 | 3.7 | 6.4 | 1.6 | 3.4 | 6.3 | 0.3 | 2.2 | 7.3 | 5.2 | 6.2 |
| 11 | 6.8 | 1.6 | 4.3 | 6.7 | 0.6 | 3.8 | 6.7 | 1.7 | 4.3 | 7.4 | 5.5 | 6.4 |
| 12 | 6.8 | 0.0 | 2.0 | 6.7 | 4.2 | 5.5 | 6.8 | 1.0 | 3.0 | 7.7 | 6.0 | 6.7 |
| 13 | 5.1 | 0.1 | 1.4 | 7.7 | 4.2 | 6.2 | 6.7 | 1.2 | 4.9 | 6.7 | 4.4 | 5.5 |
| 14 | 6.5 | 0.2 | 1.9 | 7.5 | 5.3 | 6.4 | --- | --- | --- | 5.0 | 2.3 | 3.4 |
| 15 | 7.0 | 0.3 | 0.5 | --- | --- | --- | --- | --- | --- | 6.4 | 1.0 | 3.1 |
| 16 | 7.0 | 0.4 | 1.2 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 17 | 7.3 | 0.5 | 5.5 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 18 | 8.5 | 0.6 | 5.7 | 5.9 | 0.1 | 1.4 | --- | --- | --- |  |  | --- |
| 19 | 7.3 | 1.4 | 4.7 | 5.3 | 0.1 | 1.7 | --- | --- | --- | --- | --- | --- |
| 20 | 6.4 | 1.1 | 2.6 | 5.0 | 0.0 | 0.3 | --- | --- | --- | --- | --- | --- |
| 21 | 7.6 | 1.0 | 4.1 | 8.1 | 0.0 | 2.1 | --- | --- | --- | 7.2 | 2.2 | 4.4 |
| 22 | 7.3 | 1.5 | 4.3 | 7.1 | 0.1 | 2.4 | --- | --- | --- | 9.4 | 0.6 | 5.0 |
| 23 | 7.3 | 1.7 | 4.7 | 7.0 | 0.8 | 5.3 | 5.6 | 0.0 | 1.8 | 9.4 | 1.3 | 6.1 |
| 24 | 6.8 | 1.7 | 3.4 | 6.2 | 4.1 | 5.2 | 0.1 | 0.0 | 0.0 | --- | --- | --- |
| 25 | 2.3 | 0.5 | 1.6 | 7.4 | 1.3 | 3.5 | 6.5 | 0.0 | 1.3 | 2.3 | 0.0 | 0.5 |
| 26 | 5.5 | 0.2 | 1.7 | 6.3 | 0.2 | 3.0 | 0.3 | 0.0 | 0.1 | 0.5 | 0.0 | 0.1 |
| 27 | 3.1 | 0.1 | 0.6 | 6.9 | 0.2 | 3.5 | 0.1 | 0.1 | 0.1 | 2.2 | 0.0 | 0.3 |
| 28 | 0.3 | 0.2 | 0.2 | 6.6 | 0.2 | 2.5 | 0.1 | 0.0 | 0.1 | 4.8 | 0.0 | 0.5 |
| 29 | 1.5 | 0.3 | 0.5 | --- | --- | --- | 0.1 | 0.0 | 0.1 | 4.9 | 0.1 | 1.3 |
| 30 | 1.7 | 0.4 | 0.5 | --- | --- | --- | 0.1 | 0.0 | 0.1 | 5.8 | 0.0 | 1.1 |
| 31 | --- | --- | --- | --- | --- | --- | 0.8 | 0.1 | 0.2 | --- | --- | --- |
| MONTH | 8.5 | 0.0 | 3.7 | --- | --- | --- | --- | --- | --- | --- | --- | --- |

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 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | OCTOBER |  |  | NOVEMBER |  |  | DECEMBER |  |  | JANUARY |  |  |
| 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 | --- | --- | --- |
|  | FEBRUARY |  |  | MARCH |  |  | APRIL |  |  | MAY |  |  |
| 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 |

PAMLICO RIVER BASIN
0208453300 PAMLICO RIVER AT LIGHT 5-Continued
DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP—CONTINUED WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003


DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM 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 | 20 | 0 | 1 | 71 | 20 | 46 | 82 | 71 | 77 | 52 | 37 | 41 |
| 2 | 9 | 0 | 0 | 76 | 46 | 56 | 82 | 66 | 72 | 38 | 30 | 33 |
| 3 | 30 | 1 | 14 | 72 | 51 | 59 | 88 | 64 | 77 | 33 | 21 | 28 |
| 4 | 36 | 12 | 21 | 62 | 50 | 56 | 82 | 68 | 76 | 79 | 17 | 24 |
| 5 | 17 | 2 | 8 | 71 | 41 | 50 | 86 | 73 | 79 | 25 | 16 | 22 |
| 6 | 34 | 2 | 9 | 82 | 39 | 51 | 82 | 72 | 76 | 80 | 11 | 23 |
| 7 | 4 | 4 | 4 | 72 | 39 | 49 | 82 | 73 | 76 | 79 | 15 | 46 |
| 8 | 54 | 4 | 11 | 56 | 39 | 48 | 77 | 69 | 72 | 90 | 54 | 75 |
| 9 | 61 | 5 | 15 | 49 | 35 | 43 | 87 | 70 | 75 | 90 | 74 | 82 |
| 10 | 49 | 6 | 10 | 60 | 31 | 39 | 80 | 68 | 75 | 94 | 80 | 85 |
| 11 | 62 | 6 | 33 | 82 | 27 | 42 | 82 | 74 | 77 | 82 | 71 | 77 |
| 12 | 66 | 7 | 29 | 76 | 37 | 45 | 75 | 69 | 71 | 88 | 62 | 72 |
| 13 | 31 | 7 | 11 | 82 | 44 | 52 | 84 | 64 | 72 | 72 | 55 | 65 |
| 14 | 82 | 8 | 57 | 60 | 46 | 51 | 89 | 67 | 81 | 84 | 51 | 61 |
| 15 | 78 | 56 | 67 | 58 | 39 | 45 | 86 | 71 | 79 | 98 | 60 | 79 |
| 16 | 77 | 46 | 62 | 63 | 42 | 50 | 79 | 68 | 73 | 93 | 49 | 64 |
| 17 | 57 | 36 | 44 | 65 | 39 | 44 | 72 | 63 | 66 | 97 | 68 | 90 |
| 18 | 51 | 24 | 38 | 70 | 39 | 53 | 69 | 55 | 60 | 92 | 84 | 88 |
| 19 | 30 | 17 | 23 | 64 | 48 | 54 | 66 | 51 | 58 | 98 | 81 | 90 |
| 20 | 48 | 11 | 27 | 65 | 49 | 57 | 98 | 54 | 67 | 99 | 89 | 93 |
| 21 | 42 | 19 | 28 | 63 | 47 | 57 | 64 | 49 | 56 | 97 | 88 | 93 |
| 22 | 21 | 3 | 13 | 65 | 45 | 53 | 83 | 50 | 57 | 95 | 87 | 91 |
| 23 | 35 | 7 | 19 | 72 | 62 | 67 | 64 | 52 | 58 | 96 | 90 | 93 |
| 24 | 19 | 3 | 7 | 71 | 57 | 62 | 88 | 53 | 62 | 91 | 84 | 87 |
| 25 | 28 | 2 | 5 | 64 | 56 | 60 | 85 | 54 | 72 | --- | --- | --- |
| 26 | 15 | 3 | 5 | 57 | 44 | 50 | 90 | 79 | 84 | 80 | 73 | 77 |
| 27 | 20 | 3 | 6 | 75 | 38 | 51 | 89 | 71 | 77 | 88 | 71 | 82 |
| 28 | 18 | 4 | 9 | 70 | 44 | 55 | 72 | 66 | 69 | --- | --- | --- |
| 29 | 74 | 4 | 12 | 71 | 43 | 54 | 67 | 60 | 63 | 85 | 77 | 81 |
| 30 | 76 | 4 | 14 | 80 | 50 | 60 | 67 | 53 | 59 | 82 | 66 | 76 |
| 31 | 60 | 5 | 35 | --- | --- | --- | 56 | 41 | 50 | 81 | 63 | 72 |
| MONTH | 82 | 0 | 21 | 82 | 20 | 52 | 98 | 41 | 70 | --- | --- | --- |
|  | FEBRUARY |  |  | MARCH |  |  | APRIL |  |  | MAY |  |  |
| 1 | 80 | 71 | 77 | 57 | 28 | 45 | --- | --- | --- | 26 | 4 | 7 |
| 2 | 73 | 66 | 70 | 57 | 29 | 50 | --- | -- | --- | 88 | 4 | 21 |
| 3 | 88 | 68 | 75 | 60 | 36 | 53 | 77 | 6 | 42 | 99 | 5 | 29 |
| 4 | 107 | 71 | 82 | 65 | 35 | 54 | 86 | 12 | 44 | 74 | 5 | 18 |
| 5 | 88 | 68 | 79 | 85 | 41 | 62 | 81 | 18 | 39 | 82 | 6 | 19 |
| 6 | 107 | 63 | 74 | 80 | 31 | 39 | 84 | 21 | 44 | 104 | 8 | 71 |
| 7 | 101 | 54 | 63 | 53 | 25 | 35 | 87 | 20 | 71 | 51 | 7 | 11 |
| 8 | 75 | 52 | 68 | 30 | 16 | 26 | 83 | 17 | 63 | 74 | 1 | 9 |
| 9 | 70 | 49 | 58 | 28 | 15 | 23 | 83 | 30 | 75 | 55 | 1 | 8 |
| 10 | 106 | 48 | 67 | 36 | 15 | 22 | 86 | 73 | 81 | 46 | 1 | 9 |
| 11 | 87 | 61 | 73 | 32 | 16 | 21 | 87 | 80 | 84 | 65 | 1 | 17 |
| 12 | 104 | 57 | 81 | 22 | 6 | 15 | 88 | 73 | 82 | 72 | 1 | 37 |
| 13 | 98 | 76 | 85 | 32 | 5 | 12 | 77 | 65 | 70 | --- | --- | --- |
| 14 | 102 | 56 | 74 | 69 | 8 | 23 | 88 | 63 | 71 | --- | --- | --- |
| 15 | --- | --- | --- | 48 | 9 | 18 | 84 | 55 | 73 | 80 | 50 | 63 |
| 16 | --- | --- | --- | 87 | 11 | 57 | 85 | 53 | 73 | 81 | 40 | 67 |
| 17 | --- | --- | --- | --- | --- | --- | 92 | 43 | 72 | 83 | 41 | 74 |
| 18 | -- | --- | --- | --- | --- | --- | 89 | 82 | 84 | 82 | 74 | 77 |
| 19 | --- | --- | --- | --- | --- | --- | 91 | 31 | 83 | 86 | 76 | 80 |
| 20 | 63 | 54 | 59 | --- | --- | --- | 88 | 14 | 31 | 86 | 74 | 80 |
| 21 | 57 | 47 | 53 | --- | --- | --- | 26 | 7 | 13 | 97 | 58 | 79 |
| 22 | 77 | 43 | 49 | --- | --- | --- | 49 | 6 | 11 | 87 | 49 | 58 |
| 23 | --- | --- | --- | --- | --- | --- | 28 | 5 | 12 | 84 | 43 | 73 |
| 24 | 86 | 68 | 77 | --- | --- | --- | 28 | 7 | 15 | 83 | 58 | 74 |
| 25 | 103 | 51 | 81 | --- | --- | --- | 29 | 6 | 15 | 88 | 45 | 62 |
| 26 | 98 | 33 | 89 | --- | --- | --- | 58 | 8 | 14 | 90 | 41 | 58 |
| 27 | 67 | 29 | 38 | --- | --- | --- | 61 | 8 | 14 | 108 | 32 | 66 |
| 28 | 75 | 22 | 48 | --- | --- | --- | 57 | 5 | 10 | 104 | 20 | 39 |
| 29 |  |  |  | --- | --- | --- | 40 | 4 | 6 | 107 | 11 | 42 |
| 30 | --- | --- | --- | --- | --- | --- | 42 | 3 | 6 | 63 | 11 | 22 |
| 31 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 86 | 12 | 32 |
| MONTH | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

PAMLICO RIVER BASIN
0208453300 PAMLICO RIVER AT LIGHT 5-Continued
DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM—CONTINUED WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | JUNE |  |  | JULY |  |  | AUGUST |  |  | SEPTEMBER |  |  |
| 1 | 91 | 67 | 77 | 20 | 6 | 7 | 49 | 4 | 18 | 5 | 1 | 4 |
| 2 | 83 | 71 | 78 | 55 | 7 | 19 | 66 | 0 | 8 | 6 | 4 | 5 |
| 3 | 88 | 64 | 70 | 89 | 50 | 66 | 31 | 0 | 2 | 6 | 0 | 3 |
| 4 | 95 | 59 | 71 | 108 | 61 | 76 | 93 | 0 | 16 | 1 | 0 | 0 |
| 5 | 91 | 57 | 77 | 100 | 33 | 61 | 73 | 0 | 14 | 36 | 0 | 0 |
| 6 | 72 | 57 | 63 | 98 | 30 | 62 | 99 | 0 | 24 | 1 | 0 | 0 |
| 7 | 80 | 53 | 66 | 97 | 34 | 75 | 36 | 0 | 2 | 88 | 0 | 13 |
| 8 | 85 | 52 | 69 | 83 | 62 | 73 | 61 | 0 | 15 | 84 | 0 | 47 |
| 9 | 96 | 22 | 68 | 92 | 44 | 64 | 78 | 4 | 36 | 89 | 0 | 67 |
| 10 | 84 | 15 | 44 | 84 | 21 | 44 | 80 | 4 | 28 | 88 | 63 | 75 |
| 11 | 84 | 19 | 53 | 88 | 8 | 50 | 85 | 22 | 54 | 87 | 66 | 76 |
| 12 | 85 | 0 | 25 | 87 | 54 | 72 | 86 | 13 | 38 | 91 | 71 | 79 |
| 13 | 64 | 1 | 17 | 100 | 54 | 80 | 85 | 15 | 62 | 79 | 52 | 64 |
| 14 | 82 | 2 | 24 | 95 | 67 | 80 | --- | --- | --- | 59 | 27 | 40 |
| 15 | 89 | 4 | 7 | --- | --- | --- | --- | --- | --- | 76 | 12 | 37 |
| 16 | 88 | 5 | 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 17 | 91 | 6 | 68 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 18 | 107 | 7 | 72 | 76 | 1 | 18 | --- | --- | --- | --- | --- | --- |
| 19 | 93 | 17 | 59 | 68 | 1 | 22 | --- | --- | --- | --- | --- | --- |
| 20 | 81 | 13 | 33 | 64 | 0 | 4 | --- | --- | --- | --- | --- | --- |
| 21 | 96 | 12 | 51 | 105 | 0 | 27 | --- | --- | --- | 84 | 26 | 52 |
| 22 | 90 | 18 | 53 | 92 | 1 | 31 | --- | --- | --- | 113 | 7 | 59 |
| 23 | 90 | 21 | 58 | 90 | 10 | 68 | 72 | 0 | 23 | 114 | 15 | 73 |
| 24 | 84 | 21 | 41 | 79 | 52 | 66 | 1 | 0 | 0 | --- | --- | --- |
| 25 | 28 | 6 | 20 | 95 | 16 | 45 | 84 | 0 | 16 | 27 | 0 | 5 |
| 26 | 70 | 2 | 21 | 80 | 3 | 38 | 4 | 0 | 0 | 6 | 0 | 0 |
| 27 | 39 | 1 | 7 | 88 | 3 | 45 | 1 | 1 | 1 | 26 | 0 | 3 |
| 28 | 4 | 2 | 3 | 85 | 3 | 32 | 1 | 0 | 0 | 58 | 0 | 6 |
| 29 | 19 | 4 | 6 | --- | --- | --- | 1 | 0 | 0 | 58 | 1 | 15 |
| 30 | 21 | 5 | 7 | --- | --- | --- | 1 | 0 |  | 66 | 0 | 12 |
| 31 | --- | --- | --- | --- | --- | --- | 10 | 1 | 2 | --- | --- | --- |
| MONTH | 107 | 0 | 44 | --- | --- | --- | --- | --- | --- | --- | --- | --- |

