LOCATION.--Lat $35^{\circ} 30^{\prime} 09$ ", long $76^{\circ} 35^{\prime} 38^{\prime \prime}$, Beaufort County, Hydrologic Unit 03020104, on U.S. Coast Guard Channel Light 8 . PERIOD OF RECORD.--Water years 2000 to May 2002 (discontinued).

PERIOD OF DAILY RECORD.--
SALINITY (TOP AND BOTTOM) : November 1999 to May 2002.
pH (TOP AND BOTTOM) : November 1999 to May 2002.
WATER TEMPERATURE (TOP AND BOTTOM) : November 1999 to May 2002.
DISSOLVED OXYGEN (TOP AND BOTTOM) : November 1999 to May 2002.
DISSOLVED OXYGEN, PERCENT SATURATION (TOP AND BOTTOM): November 1999 to May 2002.
INSTRUMENTATION.--Water-quality monitor with satellite telemetry from November 1999 to May 2002.
REMARKS.--Station operated in cooperation with the North Carolina Department of Environment and Natural Resources. 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 Hg beginning October 1, 2000. Dissolved oxygen, minimum extremes are reported as $<1.0 \mathrm{mg} / \mathrm{L}$. Dissolved
oxygen, percent saturation, minimum extremes are reported as <10\%. Formerly published as, "0208457150, Pungo River at Channel
Light 7 ". On May 25, 2000 the monitor was relocated to Channel Light 8 which is 1.2 miles upstream of Channel Light 7 .
EXTREMES FOR PERIOD OF DAILY RECORD.--

| CONSTITUENT | MAXIMUM RECORDED | MINIMUM RECORDED |
| :--- | :--- | :--- |
| SALINITY (TOP), ppt | 19.6, January 4, 2002 | 1.7 , July 30, 2000 |
| SALINITY (BOTTOM), ppt | 20.5, November 4, 5, 2001, January 19, 2002 | 4.1, November 30, 1999 |
| pH (TOP), standard units | 8.8, April 1, 2000 | 6.1, July 20, 2000 |
| pH (BOTTOM), standard units | 8.7, November 21, 1999, March 28, 29, 2000 | 6.5, June 2, 3, 2000 |
| WATER TEMPERATURE (TOP), ${ }^{\circ} \mathrm{C}$ | 32.2, August 8, 2001 | 0.6, January 29, 2000 |
| WATER TEMPERATURE (BOTTOM), ${ }^{\circ} \mathrm{C}$ | 31.0, August 8, 9, 2001 | 1.1, January 29, 2000 |
| DISSOLVED OXYGEN (TOP), mg/L | 15.2, February 10, 2000 | 3.1, July 12, 2001 |
| DISSOLVED OXYGEN (BOTTOM), mg/L | 14.8, February 6, 11, 12, 2000 | $<1.0$, on many days during the period |

EXTREMES FOR CURRENT YEAR.--

| CONSTITUENT | MAXIMUM RECORDED | MINIMUM RECORDED |
| :--- | :--- | :--- |
| SALINITY (TOP), ppt | 19.6, January 4 | 10.8, April 21 |
| SALINITY (BOTTOM), ppt | 20.5, November 4, 5, January 19 | 11.8, April 19, 20 |
| pH (TOP), standard units | 8.5, January 27, 29, March 9 | 7.4, on several days during the period |
| pH (BOTTOM), standard units | 8.5, January 30 | 7.0, April 15, 16 |
| WATER TEMPERATURE (TOP), ${ }^{\circ} \mathrm{C}$ | 25.3, April 20 | 3.6, January 5 |
| WATER TEMPERATURE (BOTTOM), ${ }^{\circ} \mathrm{C}$ | 25.0, April 22 | 3.6, January 5 |
| DISSOLVED OXYGEN (TOP), mg/L | 13.3, January 29 | 6.1, April 22, May 4 |
| DISSOLVED OXYGEN (BOTTOM), mg/L | 12.2, January 30 | 2.3, May 9 |
| DISSOLVED OXYGEN, PERCENT <br> SATURATION (TOP),\% | 139, May 1 | 67, October 26, 28 |
| DISSOLVED OXYGEN, PERCENT <br> SATURATION (BOTTOM),\% | 123, April 18 May 9 |  |

0208457125 PUNGO RIVER AT CHANNEL LIGHT 8--Continued
SALINITY (PARTS PER THOUSAND), TOP, FOR PERIOD OCTOBER 2001 TO MAY 2002

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | OCTOBER |  |  | NOVEMBER |  |  | DECEMBER |  |  | JANUARY |  |  |
| 1 | 16.0 | 15.2 | 15.6 | 16.5 | 16.3 | 16.4 | 18.8 | 17.8 | 18.2 | 19.2 | 18.6 | 19.0 |
| 2 | 15.9 | 14.7 | 15.1 | 16.4 | 16.3 | 16.3 | 19.0 | 17.7 | 18.3 | 19.3 | 18.7 | 18.9 |
| 3 | 15.7 | 14.5 | 15.2 | 16.4 | 16.2 | 16.3 | 19.0 | 18.4 | 18.6 | 19.2 | 18.3 | 18.9 |
| 4 | 15.5 | 14.8 | 15.2 | 16.7 | 16.3 | 16.6 | 19.0 | 18.4 | 18.8 | 19.6 | 18.7 | 19.0 |
| 5 | 15.5 | 15.1 | 15.2 | 19.0 | 16.3 | 17.3 | 18.8 | 18.3 | 18.5 | 18.9 | 18.6 | 18.8 |
| 6 | 15.9 | 15.3 | 15.5 | 18.4 | 17.9 | 18.2 | 18.6 | 18.3 | 18.4 | 19.2 | 18.6 | 18.9 |
| 7 | 16.1 | 14.9 | 15.6 | 18.4 | 17.6 | 17.9 | 18.7 | 18.2 | 18.4 | 19.0 | 18.6 | 18.8 |
| 8 | 16.4 | 15.1 | 15.7 | 17.8 | 17.3 | 17.6 | 18.8 | 18.2 | 18.6 | 19.1 | 18.4 | 18.8 |
| 9 | 16.7 | 14.8 | 15.6 | 18.8 | 17.6 | 18.0 | 18.9 | 18.3 | 18.6 | 18.9 | 18.4 | 18.7 |
| 10 | 16.0 | 14.9 | 15.5 | 18.4 | 17.8 | 18.1 | 19.0 | 18.4 | 18.6 | 18.8 | 18.4 | 18.5 |
| 11 | 15.7 | 15.4 | 15.5 | 18.4 | 17.7 | 18.1 | 19.1 | 18.4 | 18.7 | 18.9 | 18.4 | 18.6 |
| 12 | 16.3 | 15.5 | 15.7 | 18.6 | 17.7 | 18.2 | 19.2 | 18.3 | 18.6 | 19.0 | 18.1 | 18.7 |
| 13 | 16.5 | 15.4 | 15.7 | 19.0 | 17.7 | 18.3 | 18.8 | 18.4 | 18.6 | 18.8 | 18.1 | 18.4 |
| 14 | 16.6 | 15.3 | 15.8 | 18.5 | 17.6 | 18.1 | 18.7 | 18.4 | 18.6 | 18.8 | 18.1 | 18.5 |
| 15 | 16.7 | 15.1 | 15.8 | 19.2 | 17.7 | 18.4 | 19.2 | 18.5 | 18.8 | 18.9 | 17.5 | 18.2 |
| 16 | 16.9 | 15.6 | 16.2 | 19.0 | 17.9 | 18.3 | 19.1 | 18.6 | 18.9 | 18.9 | 17.9 | 18.4 |
| 17 | 16.5 | 15.4 | 16.0 | 19.1 | 18.0 | 18.4 | 19.2 | 18.6 | 19.0 | 18.6 | 18.1 | 18.4 |
| 18 | 16.7 | 15.9 | 16.3 | 19.0 | 18.0 | 18.6 | 19.0 | 18.4 | 18.7 | 18.6 | 18.2 | 18.5 |
| 19 | 16.5 | 15.7 | 16.2 | 18.9 | 18.3 | 18.5 | 19.0 | 18.4 | 18.8 | 19.0 | 18.3 | 18.6 |
| 20 | 16.5 | 15.8 | 16.1 | 19.2 | 18.3 | 18.6 | 18.9 | 18.6 | 18.7 | 19.2 | 18.4 | 18.8 |
| 21 | 16.1 | 15.9 | 16.0 | 18.8 | 18.3 | 18.6 | 19.0 | 18.6 | 18.8 | 19.0 | 16.7 | 18.5 |
| 22 | 16.4 | 15.9 | 16.0 | 18.9 | 18.4 | 18.7 | 19.2 | 18.6 | 18.9 | 18.3 | 17.2 | 17.8 |
| 23 | 16.4 | 15.7 | 16.0 | 19.0 | 18.6 | 18.8 | 19.1 | 18.7 | 19.0 | 18.0 | 17.5 | 17.8 |
| 24 | 16.4 | 15.7 | 16.1 | 19.1 | 18.4 | 18.6 | 19.1 | 18.7 | 18.9 | 18.1 | 17.7 | 17.9 |
| 25 | 16.3 | 16.1 | 16.2 | 18.5 | 17.9 | 18.1 | 19.1 | 18.8 | 19.0 | 18.6 | 16.0 | 17.8 |
| 26 | 16.5 | 15.7 | 16.1 | 18.5 | 18.0 | 18.2 | 19.1 | 18.8 | 19.0 | 18.5 | 17.2 | 17.8 |
| 27 | 16.7 | 15.9 | 16.4 | 18.7 | 17.9 | 18.2 | 19.2 | 18.9 | 19.1 | 18.0 | 16.7 | 17.2 |
| 28 | 17.1 | 16.3 | 16.5 | 18.4 | 18.0 | 18.2 | 19.2 | 18.7 | 18.9 | 17.1 | 16.5 | 16.7 |
| 29 | 16.9 | 16.5 | 16.7 | 18.4 | 18.1 | 18.2 | 19.0 | 18.7 | 18.9 | 16.8 | 15.5 | 16.1 |
| 30 | 16.6 | 16.4 | 16.5 | 18.6 | 17.9 | 18.3 | 19.1 | 18.6 | 18.9 | 16.9 | 16.0 | 16.6 |
| 31 | 16.8 | 16.3 | 16.5 | --- | --- | --- | 19.2 | 18.8 | 19.0 | 17.5 | 16.8 | 17.1 |
| MONTH | 17.1 | 14.5 | 15.9 | 19.2 | 16.2 | 18.0 | 19.2 | 17.7 | 18.7 | 19.6 | 15.5 | 18.2 |
| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
|  | FEBRUARY |  |  | MARCH |  |  | APRIL |  |  | MAY |  |  |
| 1 | 17.6 | 16.9 | 17.3 | 18.1 | 16.9 | 17.8 | 14.4 | 13.1 | 14.0 | 13.6 | 12.6 | 13.1 |
| 2 | 17.8 | 16.7 | 17.4 | 18.4 | 17.3 | 18.1 | 14.0 | 12.3 | 13.2 | 13.5 | 12.6 | 13.1 |
| 3 | 17.7 | 16.7 | 17.1 | 18.3 | 16.9 | 17.3 | 13.9 | 12.0 | 13.0 | 13.5 | 12.3 | 13.1 |
| 4 | 17.7 | 16.5 | 17.1 | 17.6 | 15.6 | 16.7 | 14.1 | 12.8 | 13.4 | 14.1 | 12.2 | 13.1 |
| 5 | 17.9 | 16.7 | 17.2 | 16.8 | 15.3 | 16.1 | 14.5 | 13.1 | 13.7 | 13.1 | 12.3 | 12.7 |
| 6 | 17.7 | 17.1 | 17.4 | 16.3 | 15.5 | 15.7 | 14.7 | 12.2 | 13.7 | 13.0 | 12.4 | 12.8 |
| 7 | 17.9 | 17.0 | 17.6 | 16.0 | 15.6 | 15.8 | 14.1 | 13.0 | 13.5 | 13.0 | 12.3 | 12.7 |
| 8 | 17.7 | 17.2 | 17.6 | 16.3 | 15.4 | 15.8 | -- | -- | -- | 13.3 | 12.3 | 12.7 |
| 9 | 17.7 | 17.1 | 17.4 | 16.1 | 15.1 | 15.6 | --- | --- | --- | --- | --- | --- |
| 10 | 17.9 | 16.8 | 17.2 | 16.2 | 14.7 | 15.4 | --- | --- | --- | --- | - | --- |
| 11 | 17.6 | 16.8 | 17.2 | 16.5 | 15.3 | 15.9 | --- | --- | --- | --- | --- | --- |
| 12 | 17.7 | 16.7 | 17.3 | 16.1 | 15.3 | 15.5 | 13.0 | 11.8 | 12.3 | --- | --- | --- |
| 13 | 17.7 | 15.5 | 16.8 | 16.0 | 15.0 | 15.4 | 12.6 | 12.1 | 12.4 | --- | - | - |
| 14 | 17.7 | 16.6 | 17.0 | 15.8 | 14.5 | 15.1 | 12.8 | 11.8 | 12.4 | --- | --- | --- |
| 15 | 17.1 | 16.3 | 16.8 | 15.5 | 14.7 | 15.1 | 12.6 | 11.7 | 12.1 | --- | --- | --- |
| 16 | 16.9 | 15.9 | 16.4 | 15.1 | 14.1 | 14.7 | 12.6 | 12.0 | 12.3 | --- | - | --- |
| 17 | 17.5 | 16.1 | 17.0 | 15.8 | 14.3 | 15.0 | 12.5 | 11.7 | 12.3 | --- | --- | --- |
| 18 | 17.8 | 16.9 | 17.5 | 15.5 | 14.5 | 15.0 | 12.8 | 11.8 | 12.2 | --- | --- | --- |
| 19 | 17.8 | 16.9 | 17.3 | 15.5 | 13.9 | 14.9 | 12.6 | 11.7 | 12.0 | --- | --- | --- |
| 20 | 17.7 | 17.3 | 17.5 | 15.5 | 13.9 | 14.6 | 12.4 | 11.4 | 12.0 | --- | --- | --- |
| 21 | 17.5 | 16.7 | 17.1 | 15.6 | 13.9 | 14.7 | 12.9 | 10.8 | 12.3 | --- | --- | --- |
| 22 | 17.6 | 16.9 | 17.2 | 15. | 13. | 14. | 12.8 | 11.8 | 12.3 | --- | --- | --- |
| 23 | 17.7 | 16.5 | 17.0 | --- | --- | --- | 13.2 | 11.9 | 12.5 | --- | --- | --- |
| 24 | 17.5 | 16.7 | 17.0 | --- | - | -- | 13.1 | 12.4 | 12.7 | --- | --- | --- |
| 25 | 17.9 | 16.8 | 17.2 | --- | --- | --- | 13.3 | 12.6 | 12.9 | --- | --- | --- |
| 26 | 17.9 | 17.1 | 17.4 | --- | --- | --- | 13.6 | 12.7 | 13.1 | - | - | --- |
| 27 | 17.7 | 17.1 | 17.5 | 15.0 | 14.0 | 14.4 | 13.7 | 12.6 | 13.2 | --- | --- | --- |
| 28 | 18.1 | 17.1 | 17.7 | 15.0 | 13.6 | 14.3 | 13.3 | 12.2 | 12.9 | --- | --- | --- |
| 29 | --- | --- | --- | 14.5 | 14.1 | 14.3 | 13.5 | 12.3 | 12.7 | - | --- | --- |
| 30 | --- | --- | --- | 14.4 | 13.6 | 14.1 | 13.6 | 12.6 | 13.2 | -- | -- | --- |
| 31 | --- | --- | --- | 15.1 | 13.8 | 14.2 | 13. | --- | 13.2 | --- | --- | --- |
| MONTH | 18.1 | 15.5 | 17.2 | --- | --- | --- | --- | --- | --- | -- | --- | -- |

0208457125 PUNGO RIVER AT CHANNEL LIGHT 8--Continued
SALINITY (PARTS PER THOUSAND), BOTTOM, FOR PERIOD OCTOBER 2001 TO MAY 2002

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | OCTOBER |  |  | NOVEMBER |  |  | DECEMBER |  |  | JANUARY |  |  |
| 1 | 16.9 | 15.2 | 16.0 | 20.1 | 17.5 | 19.0 | 19.0 | 18.3 | 18.7 | 19.6 | 18.9 | 19.2 |
| 2 | 17.7 | 16.1 | 17.1 | 20.2 | 16.2 | 18.6 | 19.2 | 18.6 | 19.0 | 19.4 | 18.8 | 19.0 |
| 3 | 18.5 | 15.5 | 17.6 | 20.3 | 16.5 | 18.4 | 19.2 | 18.5 | 18.8 | 19.4 | 18.4 | 19.0 |
| 4 | 17.9 | 15.1 | 16.1 | 20.5 | 17.5 | 20.0 | 19.2 | 18.8 | 19.1 | 19.9 | 18.8 | 19.2 |
| 5 | 16.2 | 15.1 | 15.4 | 20.5 | 17.8 | 19.1 | 19.3 | 19.0 | 19.2 | 19.5 | 18.8 | 19.1 |
| 6 | 16.8 | 15.3 | 15.6 | 18.9 | 17.9 | 18.2 | 19.3 | 18.4 | 19.0 | 19.8 | 18.8 | 19.3 |
| 7 | 16.5 | 15.5 | 16.0 | 19.2 | 17.7 | 18.5 | 19.4 | 18.2 | 18.6 | 19.2 | 18.7 | 18.9 |
| 8 | 18.0 | 15.8 | 16.8 | 19.7 | 17.5 | 18.8 | 19.2 | 18.6 | 18.8 | 19.2 | 18.6 | 19.0 |
| 9 | 19.1 | 16.4 | 17.4 | 20.1 | 17.7 | 18.9 | 19.0 | 18.4 | 18.6 | 19.1 | 18.5 | 18.8 |
| 10 | 18.6 | 16.4 | 17.5 | 19.7 | 18.0 | 18.5 | 19.1 | 18.4 | 18.7 | 19.1 | 18.6 | 19.0 |
| 11 | 17.5 | 15.6 | 16.2 | 19.8 | 18.0 | 18.4 | 19.4 | 18.6 | 19.1 | 19.0 | 18.5 | 18.8 |
| 12 | 17.9 | 15.7 | 16.4 | 19.0 | 18.1 | 18.6 | 19.5 | 18.8 | 19.4 | 19.3 | 18.8 | 19.1 |
| 13 | 17.9 | 15.6 | 16.7 | 19.2 | 18.3 | 18.8 | 19.6 | 19.0 | 19.4 | 19.2 | 18.1 | 18.7 |
| 14 | 16.8 | 15.5 | 16.2 | 19.3 | 18.6 | 19.1 | 19.6 | 18.5 | 19.1 | 19.1 | 18.7 | 18.9 |
| 15 | 17.0 | 15.6 | 16.4 | 19.4 | 18.8 | 19.2 | 19.4 | 18.5 | 19.1 | 19.3 | 18.5 | 18.9 |
| 16 | 17.2 | 15.9 | 16.7 | 19.4 | 18.8 | 19.2 | 19.3 | 18.6 | 19.0 | 19.4 | 18.7 | 19.0 |
| 17 | 17.1 | 15.7 | 16.3 | 19.4 | 18.5 | 19.0 | 19.2 | 19.0 | 19.1 | 19.6 | 18.6 | 19.0 |
| 18 | 16.9 | 16.3 | 16.6 | 19.3 | 18.6 | 19.0 | 19.2 | 18.4 | 18.8 | 20.1 | 18.5 | 19.2 |
| 19 | 16.7 | 16.3 | 16.6 | 19.5 | 18.4 | 19.2 | 19.2 | 18.8 | 19.0 | 20.5 | 18.7 | 19.4 |
| 20 | 16.9 | 16.2 | 16.6 | 19.5 | 18.4 | 18.9 | 19.0 | 18.6 | 18.7 | 19.4 | 18.3 | 18.9 |
| 21 | 16.9 | 16.0 | 16.5 | 19.2 | 18.6 | 18.9 | 19.4 | 18.6 | 18.8 | 19.6 | 18.5 | 19.2 |
| 22 | 17.0 | 16.1 | 16.6 | 19.5 | 18.8 | 19.1 | 19.2 | 18.9 | 19.1 | 19.6 | 18.1 | 19.1 |
| 23 | 17.1 | 16.1 | 16.8 | 19.9 | 18.8 | 19.3 | 19.2 | 19.0 | 19.1 | 19.8 | 17.7 | 18.8 |
| 24 | 17.1 | 16.0 | 16.5 | 19.6 | 18.5 | 18.8 | 19.2 | 18.8 | 19.0 | 19.8 | 17.6 | 18.0 |
| 25 | 16.4 | 16.1 | 16.1 | 19.4 | 18.0 | 18.6 | 19.2 | 18.9 | 19.1 | 18.7 | 17.7 | 18.3 |
| 26 | 16.5 | 15.7 | 16.0 | 19.5 | 19.0 | 19.3 | 19.2 | 18.9 | 19.1 | 19.0 | 18.1 | 18.5 |
| 27 | 16.7 | 15.8 | 16.3 | 19.5 | 19.1 | 19.4 | 19.2 | 18.9 | 19.1 | 19.2 | 18.6 | 18.9 |
| 28 | 17.3 | 16.2 | 16.7 | 19.5 | 18.3 | 19.1 | 19.2 | 18.8 | 19.0 | 19.2 | 18.6 | 19.0 |
| 29 | 17.1 | 16.5 | 16.8 | 19.4 | 18.1 | 18.9 | 19.2 | 18.7 | 19.0 | 19.2 | 18.4 | 19.0 |
| 30 | 17.5 | 16.5 | 17.1 | 18.6 | 18.1 | 18.4 | 19.5 | 18.7 | 19.1 | 19.2 | 16.7 | 18.2 |
| 31 | 19.3 | 17.3 | 18.0 | --- | --- | --- | 19.6 | 19.0 | 19.4 | 18.4 | 16.9 | 17.3 |
| MONTH | 19.3 | 15.1 | 16.6 | 20.5 | 16.2 | 18.9 | 19.6 | 18.2 | 19.0 | 20.5 | 16.7 | 18.9 |
| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
|  | FEBRUARY |  |  | MARCH |  |  | APRIL |  |  | MAY |  |  |
| 1 | 17.6 | 16.9 | 17.3 | 19.0 | 17.7 | 18.5 | 14.8 | 13.7 | 14.3 | 14.5 | 12.8 | 13.4 |
| 2 | 18.6 | 16.7 | 17.5 | 18.5 | 17.9 | 18.3 | 14.7 | 13.4 | 14.2 | 13.9 | 13.1 | 13.5 |
| 3 | 18.1 | 17.3 | 17.9 | 18.4 | 17.2 | 17.7 | 14.5 | 12.8 | 13.7 | 13.9 | 13.1 | 13.6 |
| 4 | 17.5 | 16.5 | 17.1 | 18.1 | 15.9 | 17.2 | 14.2 | 12.6 | 13.6 | 14.3 | 13.0 | 13.8 |
| 5 | 18.8 | 16.6 | 17.7 | 17.9 | 15.7 | 17.1 | 14.9 | 13.8 | 14.4 | 14.1 | 12.8 | 13.4 |
| 6 | 18.5 | 17.3 | 18.0 | 17.9 | 15.7 | 16.3 | 15.3 | 13.5 | 14.6 | 14.5 | 13.3 | 13.8 |
| 7 | 18.3 | 17.1 | 17.6 | 17.1 | 15.9 | 16.6 | 15.1 | 13.9 | 14.4 | 13.4 | 12.8 | 13.1 |
| 8 | 17.9 | 17.1 | 17.5 | 17.1 | 15.9 | 16.4 | --- | --- | --- | 14.0 | 12.8 | 13.4 |
| 9 | 18.6 | 17.1 | 17.8 | 16.9 | 15.4 | 16.2 | --- | --- | --- | --- | --- | --- |
| 10 | 18.6 | 17.0 | 17.6 | 16.7 | 14.9 | 15.8 | --- | --- | --- | --- | --- | --- |
| 11 | 17.9 | 16.6 | 17.1 | 16.7 | 15.7 | 16.4 | - | --- | --- | - | --- | --- |
| 12 | 17.9 | 17.0 | 17.3 | 16.9 | 15.8 | 16.5 | 14.2 | 12.9 | 13.9 | --- | --- | --- |
| 13 | 18.1 | 16.6 | 17.6 | 17.1 | 15.5 | 16.7 | 14.1 | 12.4 | 13.3 | --- | --- | --- |
| 14 | 17.8 | 16.8 | 17.5 | 17.3 | 15.3 | 16.3 | 13.6 | 12.2 | 12.9 | --- | --- | --- |
| 15 | 18.2 | 16.5 | 17.9 | 16.8 | 14.9 | 15.7 | 13.5 | 12.1 | 12.7 | --- | --- | --- |
| 16 | 18.4 | 16.7 | 18.1 | 16.1 | 14.7 | 15.2 | 13.4 | 12.2 | 12.7 | --- | --- | --- |
| 17 | 18.4 | 16.5 | 17.5 | 16.1 | 14.9 | 15.5 | 13.2 | 12.2 | 12.5 | -- | --- | --- |
| 18 | 17.9 | 16.9 | 17.5 | 17.0 | 14.9 | 15.9 | 12.8 | 11.9 | 12.4 | --- | --- | --- |
| 19 | 17.7 | 17.2 | 17.5 | 17.2 | 15.3 | 16.0 | 12.8 | 11.8 | 12.2 | --- | --- | --- |
| 20 | 17.4 | 17.1 | 17.3 | 17.1 | 14.5 | 15.7 | 12.8 | 11.8 | 12.4 | --- | - | --- |
| 21 | 17.5 | 16.6 | 17.2 | 16.8 | 15.3 | 16.1 | 13.0 | 12.2 | 12.6 | --- | --- | --- |
| 22 | 17.6 | 17.2 | 17.5 | --- | -- | --- | 13.0 | 12.1 | 12.5 | --- | --- | --- |
| 23 | 17.6 | 16.6 | 17.2 | --- | --- | --- | 15.5 | 12.6 | 13.7 | --- | --- |  |
| 24 | 18.0 | 17.1 | 17.6 | --- | --- | --- | 14.6 | 12.7 | 13.4 | --- | --- | --- |
| 25 | 18.3 | 16.9 | 17.8 | --- | --- | --- | 13.3 | 12.6 | 12.9 | --- | -- | -- |
| 26 | 18.1 | 16.9 | 17.5 | --- | --- | --- | 13.9 | 12.7 | 13.4 | --- | --- | --- |
| 27 | 18.4 | 17.2 | 17.6 | 15.1 | 14.2 | 14.7 | 13.9 | 13.0 | 13.4 | --- | --- | --- |
| 28 | 18.3 | 17.3 | 18.0 | 15.5 | 14.3 | 14.9 | 13.2 | 12.2 | 12.9 | --- | -- | --- |
| 29 | 咗 | --- | -- | 15.2 | 14.2 | 14.4 | 13.5 | 12.3 | 12.8 | - | - | --- |
| 30 | --- | --- | --- | 14.6 | 13.5 | 14.2 | 13.5 | 12.9 | 13.3 | --- | --- | --- |
| 31 | --- | --- | - | 15.4 | 13.8 | 14.5 | --- | --- | - | --- | --- | -- |
| MONTH | 18.8 | 16.5 | 17.6 | --- | - | --- | --- | --- | --- | --- | --- | --- |

0208457125 PUNGO RIVER AT CHANNEL LIGHT 8--Continued
PH, WATER, WHOLE, FIELD, STANDARD UNITS, TOP, FOR PERIOD OCTOBER 2001 TO MAY 2002


PH, WATER, WHOLE, FIELD, STANDARD UNITS, BOTTOM, FOR PERIOD OCTOBER 2001 TO MAY 2002

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

0208457125 PUNGO RIVER AT CHANNEL LIGHT 8--Continued
WATER TEMPERATURE DEGREES CELSIUS, TOP, FOR PERIOD OCTOBER 2001 TO MAY 2002

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | OCTOBER |  |  | NOVEMBER |  |  | DECEMBER |  |  | JANUARY |  |  |
| 1 | 19.8 | 19.0 | 19.4 | 16.0 | 14.8 | 15.2 | 18.5 | 16.9 | 17.7 | 7.7 | 7.0 | 7.4 |
| 2 | 20.2 | 18.2 | 19.1 | 17.0 | 15.1 | 16.1 | 18.1 | 17.0 | 17.6 | 7.1 | 6.0 | 6.5 |
| 3 | 20.6 | 18.9 | 19.7 | 17.7 | 16.3 | 16.9 | 17.0 | 16.3 | 16.6 | 6.1 | 4.9 | 5.5 |
| 4 | 21.5 | 19.7 | 20.4 | 17.5 | 16.7 | 17.1 | 16.5 | 15.8 | 16.2 | 4.9 | 3.9 | 4.5 |
| 5 | 21.8 | 20.4 | 21.0 | 17.2 | 15.8 | 16.5 | 16.3 | 15.4 | 15.9 | 4.2 | 3.6 | 3.9 |
| 6 | 21.4 | 20.5 | 21.0 | 15.8 | 14.4 | 15.0 | 16.3 | 15.3 | 15.9 | 4.9 | 3.9 | 4.4 |
| 7 | 21.0 | 19.5 | 20.2 | 15.0 | 13.9 | 14.3 | 16.4 | 15.9 | 16.1 | 4.9 | 4.6 | 4.7 |
| 8 | 19.5 | 18.2 | 19.1 | 15.1 | 13.6 | 14.2 | 16.8 | 16.2 | 16.4 | 5.1 | 4.2 | 4.6 |
| 9 | 18.7 | 16.6 | 18.0 | 15.1 | 14.2 | 14.6 | 16.6 | 15.5 | 16.2 | 4.8 | 4.3 | 4.5 |
| 10 | 19.1 | 17.2 | 18.1 | 14.7 | 13.5 | 14.4 | 15.6 | 14.3 | 15.1 | 5.9 | 4.4 | 5.1 |
| 11 | 19.3 | 17.9 | 18.6 | 14.8 | 14.2 | 14.5 | 15.2 | 14.7 | 15.1 | 6.1 | 5.3 | 5.7 |
| 12 | 20.0 | 18.6 | 19.1 | 14.3 | 13.4 | 13.9 | 15.3 | 14.9 | 15.1 | 6.7 | 5.3 | 6.0 |
| 13 | 20.3 | 18.7 | 19.5 | 13.7 | 12.9 | 13.4 | 15.5 | 15.1 | 15.3 | 6.6 | 6.1 | 6.3 |
| 14 | 21.2 | 19.4 | 20.0 | 14.1 | 12.8 | 13.4 | 15.9 | 15.3 | 15.6 | 6.8 | 5.9 | 6.4 |
| 15 | 21.2 | 20.3 | 20.6 | 14.7 | 13.0 | 13.7 | 15.9 | 15.4 | 15.7 | 7.9 | 6.3 | 7.0 |
| 16 | 21.7 | 20.1 | 20.6 | 15.4 | 13.7 | 14.3 | 15.4 | 14.3 | 14.8 | 7.3 | 6.6 | 6.9 |
| 17 | 20.4 | 19.0 | 19.5 | 14.9 | 14.0 | 14.4 | 15.0 | 13.9 | 14.7 | 7.6 | 6.7 | 7.2 |
| 18 | 19.0 | 17.9 | 18.4 | 15.1 | 13.8 | 14.4 | 14.9 | 14.3 | 14.7 | 7.9 | 7.3 | 7.6 |
| 19 | 18.9 | 17.0 | 18.0 | 14.9 | 14.1 | 14.5 | 14.5 | 13.9 | 14.3 | 7.9 | 7.4 | 7.6 |
| 20 | 19.1 | 17.7 | 18.3 | 15.0 | 14.3 | 14.6 | 14.3 | 13.0 | 13.7 | 7.7 | 7.2 | 7.5 |
| 21 | 19.7 | 18.2 | 18.9 | 14.3 | 13.4 | 13.8 | 13.0 | 11.8 | 12.1 | 7.6 | 6.9 | 7.3 |
| 22 | 20.3 | 18.8 | 19.5 | 14.1 | 13.1 | 13.7 | 11.8 | 10.4 | 11.2 | 7.8 | 6.9 | 7.3 |
| 23 | 20.4 | 19.4 | 19.8 | 13.6 | 13.4 | 13.5 | 11.3 | 10.3 | 10.9 | 7.9 | 7.2 | 7.5 |
| 24 | 21.9 | 19.9 | 20.8 | 14.4 | 13.5 | 14.0 | 11.7 | 11.1 | 11.3 | 9.4 | 7.9 | 8.6 |
| 25 | 21.5 | 20.9 | 21.1 | 14.6 | 14.1 | 14.3 | 11.2 | 10.6 | 10.8 | 10.3 | 9.1 | 9.6 |
| 26 | 21.1 | 19.3 | 20.0 | 15.3 | 14.3 | 14.7 | 10.7 | 10.0 | 10.3 | 9.5 | 8.6 | 9.1 |
| 27 | 19.4 | 17.5 | 18.2 | 16.0 | 14.4 | 15.2 | 10.0 | 9.2 | 9.6 | 10.6 | 8.8 | 9.5 |
| 28 | 17.5 | 15.2 | 16.0 | 17.0 | 15.4 | 16.2 | 9.2 | 7.5 | 8.7 | 11.2 | 9.6 | 10.3 |
| 29 | 15.3 | 14.8 | 15.1 | 16.8 | 16.1 | 16.5 | 9.1 | 8.4 | 8.6 | 13.4 | 10.8 | 12.1 |
| 30 | 15.4 | 14.2 | 14.8 | 17.6 | 16.5 | 16.9 | 8.4 | 7.5 | 8.0 | 13.3 | 11.9 | 12.7 |
| 31 | 16.3 | 14.6 | 15.1 | --- | --- | --- | 7.9 | 7.1 | 7.5 | 14.7 | 12.7 | 13.8 |
| MONTH | 21.9 | 14.2 | 19.0 | 17.7 | 12.8 | 14.8 | 18.5 | 7.1 | 13.6 | 14.7 | 3.6 | 7.3 |
| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
|  | FEBRUARY |  |  | MARCH |  |  | APRIL |  |  | MAY |  |  |
| 1 | 15.1 | 14.0 | 14.5 | 9.7 | 8.5 | 9.2 | 18.4 | 17.1 | 17.6 | 21.8 | 20.3 | 20.8 |
| 2 | 15.0 | 13.2 | 13.8 | 9.8 | 8.7 | 9.3 | 19.0 | 17.3 | 18.2 | 22.4 | 21.0 | 21.6 |
| 3 | 13.2 | 11.6 | 12.4 | 11.3 | 9.6 | 10.6 | 20.6 | 18.3 | 19.2 | 22.8 | 21.9 | 22.3 |
| 4 | 12.0 | 10.4 | 11.5 | 11.3 | 10.0 | 10.8 | 19.2 | 17.1 | 17.9 | 22.2 | 20.3 | 21.4 |
| 5 | 10.4 | 8.4 | 9.0 | 10.8 | 9.3 | 9.9 | 17.4 | 16.0 | 16.9 | 20.7 | 19.6 | 20.2 |
| 6 | 8.4 | 7.9 | 8.1 | 10.2 | 9.0 | 9.6 | 16.6 | 15.0 | 16.0 | 20.6 | 19.2 | 19.9 |
| 7 | 8.4 | 7.9 | 8.3 | 11.6 | 9.5 | 10.4 | 16.3 | 14.4 | 15.2 | 21.6 | 20.1 | 20.8 |
| 8 | 9.5 | 8.1 | 8.3 | 12.2 | 10.5 | 11.2 | --- | --- | --- | 23.8 | 21.5 | 22.2 |
| 9 | 9.6 | 8.2 | 8.8 | 13.6 | 11.4 | 12.6 | --- | --- | --- | --- | --- | --- |
| 10 | 9.9 | 8.7 | 9.3 | 14.3 | 13.2 | 13.7 | --- | --- | --- | --- | --- | --- |
| 11 | 10.4 | 9.7 | 10.0 | 13.2 | 12.1 | 12.9 | --- | --- | --- | --- | --- | --- |
| 12 | 10.4 | 9.1 | 10.0 | 13.3 | 12.3 | 12.9 | 19.7 | 17.1 | 18.1 | --- | --- | --- |
| 13 | 10.7 | 9.6 | 10.0 | 14.2 | 13.0 | 13.5 | 19.0 | 18.3 | 18.7 | --- | --- | --- |
| 14 | 10.2 | 9.4 | 9.7 | 15.6 | 13.4 | 14.1 | 20.8 | 18.5 | 19.5 | --- | --- | --- |
| 15 | 10.2 | 9.0 | 9.5 | 16.0 | 13.8 | 15.0 | 21.5 | 19.7 | 20.6 | --- | --- | --- |
| 16 | 11.4 | 9.6 | 10.4 | 17.7 | 15.4 | 16.5 | 23.0 | 20.4 | 21.2 | --- | --- | --- |
| 17 | 10.7 | 9.6 | 10.2 | 16.9 | 15.8 | 16.3 | 24.0 | 21.1 | 22.1 | --- | --- | --- |
| 18 | 9.6 | 8.3 | 9.0 | 15.9 | 15.3 | 15.6 | 24.2 | 21.8 | 22.9 | --- | --- | --- |
| 19 | 10.1 | 8.4 | 9.0 | 15.4 | 14.7 | 15.1 | 24.1 | 23.2 | 23.6 | --- | --- | --- |
| 20 | 10.1 | 8.9 | 9.5 | 15.7 | 14.4 | 15.1 | 25.3 | 22.8 | 23.9 | --- | --- | --- |
| 21 | 11.4 | 10.0 | 10.8 | 15.6 | 14.6 | 15.1 | 24.8 | 23.6 | 24.2 | --- | --- | --- |
| 22 | 11.6 | 10.6 | 11.1 | --- | --- | --- | 25.0 | 24.0 | 24.4 | --- | --- | --- |
| 23 | 11.5 | 10.3 | 10.9 | --- | --- | --- | 24.1 | 22.1 | 23.2 | --- | --- | --- |
| 24 | 10.8 | 9.9 | 10.3 | --- | --- | --- | 22.4 | 21.3 | 21.9 | --- | --- | --- |
| 25 | 10.7 | 9.7 | 10.1 | - | - | --- | 21.3 | 20.9 | 21.1 | - | --- | --- |
| 26 | 11.3 | 10.2 | 10.7 | -- | -- | -- | 21.1 | 20.2 | 20.7 | --- | --- | --- |
| 27 | 11.3 | 10.5 | 11.1 | 15.9 | 15.1 | 15.5 | 20.5 | 19.8 | 20.2 | --- | --- | --- |
| 28 | 10.6 | 9.2 | 9.8 | 16.1 | 14.6 | 14.9 | 21.1 | 20.0 | 20.5 | --- | -- | --- |
| 29 | --- | --- | --- | 16.0 | 14.4 | 15.3 | 21.8 | 20.9 | 21.3 | --- | --- | --- |
| 30 | --- | --- | --- | 16.7 | 15.6 | 16.2 | 21.5 | 20.6 | 21.1 | --- | --- | --- |
| 31 | --- | --- | --- | 18.1 | 16.5 | 17.0 | --- | --- | --- | --- | --- | --- |
| MONTH | 15.1 | 7.9 | 10.2 | - - | --- | --- | --- | --- | --- | --- | --- | --- |


| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | OCTOBER |  |  | NOVEMBER |  |  | DECEMBER |  |  | JANUARY |  |  |
| 1 | 19.9 | 19.1 | 19.5 | 15.8 | 15.1 | 15.6 | 17.7 | 16.5 | 16.9 | 8.3 | 7.1 | 7.6 |
| 2 | 19.6 | 18.9 | 19.4 | 17.2 | 15.5 | 16.0 | 17.3 | 16.4 | 17.0 | 7.4 | 5.9 | 6.6 |
| 3 | 20.4 | 19.3 | 19.7 | 17.1 | 15.8 | 16.5 | 17.1 | 16.4 | 16.6 | 6.1 | 4.9 | 5.5 |
| 4 | 21.1 | 19.7 | 20.1 | 16.9 | 16.0 | 16.3 | 16.4 | 16.0 | 16.2 | 4.9 | 4.1 | 4.6 |
| 5 | 21.6 | 20.4 | 20.9 | 17.4 | 15.9 | 16.5 | 16.2 | 15.9 | 16.1 | 4.4 | 3.6 | 4.1 |
| 6 | 21.3 | 20.6 | 21.0 | 16.0 | 14.4 | 15.1 | 16.3 | 15.9 | 16.1 | 4.9 | 4.1 | 4.6 |
| 7 | 21.1 | 20.0 | 20.3 | 14.9 | 14.0 | 14.4 | 16.5 | 15.8 | 16.1 | 4.9 | 4.6 | 4.7 |
| 8 | 20.1 | 19.0 | 19.6 | 15.1 | 14.2 | 14.7 | 16.6 | 16.2 | 16.3 | 4.8 | 4.2 | 4.5 |
| 9 | 19.8 | 18.2 | 18.9 | 15.1 | 14.1 | 14.8 | 16.5 | 15.6 | 16.2 | 4.8 | 4.2 | 4.5 |
| 10 | 19.1 | 18.0 | 18.5 | 15.1 | 13.9 | 14.6 | 15.6 | 14.5 | 15.2 | 5.2 | 4.6 | 4.9 |
| 11 | 19.3 | 18.3 | 18.8 | 15.2 | 14.2 | 14.5 | 15.2 | 14.9 | 15.1 | 6.0 | 5.0 | 5.6 |
| 12 | 19.8 | 18.7 | 19.0 | 14.6 | 13.8 | 14.2 | 15.3 | 15.1 | 15.2 | 6.6 | 5.7 | 6.1 |
| 13 | 19.9 | 18.8 | 19.3 | 14.1 | 13.3 | 13.6 | 15.4 | 15.2 | 15.3 | 6.7 | 6.1 | 6.4 |
| 14 | 21.1 | 19.5 | 20.1 | 13.7 | 13.3 | 13.4 | 15.9 | 15.3 | 15.5 | 6.8 | 6.4 | 6.6 |
| 15 | 20.7 | 20.1 | 20.3 | 14.3 | 13.5 | 13.8 | 15.9 | 15.4 | 15.7 | 7.3 | 6.3 | 6.8 |
| 16 | 20.9 | 20.2 | 20.4 | 14.8 | 13.9 | 14.2 | 15.4 | 14.6 | 15.0 | 7.2 | 6.8 | 7.0 |
| 17 | 20.4 | 19.1 | 19.5 | 14.8 | 14.0 | 14.4 | 14.9 | 14.6 | 14.8 | 7.4 | 6.8 | 7.1 |
| 18 | 19.1 | 18.0 | 18.4 | 14.6 | 14.0 | 14.4 | 15.0 | 14.4 | 14.7 | 7.8 | 7.2 | 7.4 |
| 19 | 18.5 | 17.7 | 18.2 | 14.8 | 14.4 | 14.5 | 14.6 | 14.3 | 14.4 | 7.8 | 7.2 | 7.5 |
| 20 | 18.8 | 18.0 | 18.3 | 14.8 | 14.3 | 14.6 | 14.3 | 13.0 | 13.6 | 7.8 | 7.4 | 7.6 |
| 21 | 19.6 | 18.2 | 18.7 | 14.3 | 13.6 | 14.0 | 13.0 | 11.8 | 12.2 | 7.6 | 7.3 | 7.5 |
| 22 | 20.1 | 18.3 | 19.1 | 14.1 | 13.6 | 13.9 | 11.9 | 11.0 | 11.3 | 7.6 | 7.1 | 7.4 |
| 23 | 20.2 | 18.8 | 19.3 | 14.2 | 13.5 | 13.8 | 11.2 | 10.7 | 11.0 | 8.0 | 7.4 | 7.6 |
| 24 | 21.5 | 19.1 | 20.1 | 14.3 | 13.5 | 13.9 | 11.6 | 11.1 | 11.3 | 9.4 | 7.7 | 8.6 |
| 25 | 21.4 | 20.8 | 21.0 | 14.8 | 14.0 | 14.3 | 11.3 | 10.6 | 10.9 | 9.6 | 9.1 | 9.4 |
| 26 | 21.1 | 19.4 | 20.0 | 15.0 | 14.5 | 14.8 | 10.6 | 10.0 | 10.4 | 9.5 | 9.0 | 9.2 |
| 27 | 19.4 | 17.4 | 18.2 | 15.1 | 14.7 | 14.9 | 10.0 | 9.2 | 9.6 | 9.3 | 8.9 | 9.1 |
| 28 | 17.4 | 15.3 | 16.1 | 16.1 | 14.9 | 15.2 | 9.2 | 7.5 | 8.7 | 9.5 | 9.2 | 9.3 |
| 29 | 15.9 | 14.5 | 15.0 | 16.8 | 15.0 | 15.5 | 8.8 | 8.3 | 8.6 | 10.1 | 9.3 | 9.4 |
| 30 | 15.2 | 14.5 | 14.9 | 17.5 | 16.3 | 16.8 | 8.4 | 7.9 | 8.1 | 13.0 | 9.4 | 10.9 |
| 31 | 15.9 | 15.0 | 15.4 | , | --- | --- | 8.4 | 7.4 | 8.0 | 14.5 | 11.1 | 13.2 |
| MONTH | 21.6 | 14.5 | 19.0 | 17.5 | 13.3 | 14.8 | 17.7 | 7.4 | 13.6 | 14.5 | 3.6 | 7.1 |
| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
|  | FEBRUARY |  |  | MARCH |  |  | APRIL |  |  | MAY |  |  |
| 1 | 15.1 | 13.4 | 14.4 | 10.1 | 8.9 | 9.6 | 17.9 | 17.0 | 17.3 | 21.1 | 20.4 | 20.7 |
| 2 | 14.9 | 11.2 | 13.7 | 9.8 | 9.2 | 9.4 | 18.9 | 17.5 | 17.9 | 22.4 | 20.9 | 21.5 |
| 3 | 13.2 | 12.1 | 12.7 | 11.1 | 9.6 | 10.4 | 19.7 | 18.2 | 18.7 | 22.6 | 22.0 | 22.3 |
| 4 | 12.1 | 10.4 | 11.5 | 11.1 | 10.3 | 10.8 | 19.0 | 17.1 | 18.0 | 22.3 | 20.7 | 21.6 |
| 5 | 10.4 | 8.6 | 9.2 | 10.5 | 9.3 | 9.7 | 17.7 | 16.4 | 17.0 | 20.8 | 19.9 | 20.3 |
| 6 | 9.2 | 8.1 | 8.7 | 10.2 | 9.2 | 9.7 | 16.8 | 15.6 | 16.4 | 20.6 | 19.6 | 20.0 |
| 7 | 9.1 | 8.1 | 8.5 | 11.1 | 9.7 | 10.3 | 16.0 | 15.2 | 15.6 | 21.5 | 20.1 | 20.7 |
| 8 | 8.4 | 8.1 | 8.3 | 10.9 | 10.0 | 10.5 | --- | --- | --- | 22.5 | 21.3 | 21.6 |
| 9 | 9.1 | 8.4 | 8.6 | 14.3 | 10.5 | 12.3 | --- | --- | --- | --- | --- | --- |
| 10 | 10.1 | 8.6 | 9.3 | 14.1 | 12.5 | 13.6 | --- | --- | --- | --- | --- | --- |
| 11 | 10.4 | 9.8 | 10.1 | 13.5 | 12.5 | 13.0 | --- | --- | -- | --- | --- | --- |
| 12 | 10.4 | 9.8 | 10.1 | 13.0 | 12.5 | 12.7 | 17.6 | 17.1 | 17.2 | --- | --- | --- |
| 13 | 10.3 | 9.9 | 10.1 | 13.8 | 12.7 | 12.9 | 18.8 | 17.1 | 17.9 | --- | --- | --- |
| 14 | 10.0 | 9.4 | 9.8 | 14.9 | 13.0 | 13.5 | 20.3 | 18.5 | 19.2 | --- | - | --- |
| 15 | 10.0 | 9.2 | 9.6 | 15.9 | 13.3 | 14.7 | 21.4 | 18.5 | 20.1 | --- | --- | --- |
| 16 | 11.6 | 9.5 | 9.9 | 16.8 | 15.5 | 16.0 | 21.7 | 19.5 | 20.6 | --- | --- | --- |
| 17 | 10.5 | 9.7 | 10.0 | 16.5 | 15.1 | 16.1 | 22.7 | 21.0 | 21.6 | --- | --- | --- |
| 18 | 9.7 | 8.5 | 9.0 | 15.8 | 15.1 | 15.4 | 24.5 | 21.9 | 22.6 | --- | - | --- |
| 19 | 9.5 | 9.1 | 9.3 | 15.4 | 15.0 | 15.2 | 24.5 | 22.8 | 23.5 | --- | --- | --- |
| 20 | 10.1 | 9.1 | 9.5 | 15.6 | 14.6 | 15.0 | 24.6 | 22.6 | 23.2 | --- | - | --- |
| 21 | 11.1 | 9.9 | 10.5 | 15.4 | 14.9 | 15.1 | 24.5 | 23.0 | 24.0 | --- | --- | --- |
| 22 | 11.4 | 10.5 | 11.0 | --- | , | -- | 25.0 | 23.9 | 24.3 | --- | --- | --- |
| 23 | 11.4 | 10.5 | 10.9 | --- | --- | --- | 24.0 | 22.3 | 22.8 | --- | --- | --- |
| 24 | 10.6 | 9.9 | 10.2 | --- | --- | -- | 22.3 | 20.9 | 21.8 | -- | -- | --- |
| 25 | 10.5 | 9.9 | 10.1 | --- | --- | --- | 21.4 | 20.9 | 21.1 | - | --- | --- |
| 26 | 11.3 | 10.2 | 10.7 | --- | -- | --- | 21.1 | 20.4 | 20.6 | --- | --- | --- |
| 27 | 11.4 | 10.5 | 11.1 | 16.2 | 15.2 | 15.4 | 20.6 | 20.2 | 20.4 | -- | - | --- |
| 28 | 10.6 | 9.3 | 9.7 | 15.2 | 14.6 | 14.8 | 21.1 | 20.0 | 20.4 | -- | --- | --- |
| 29 |  | --- | --- | 16.4 | 14.6 | 15.2 | 21.8 | 20.8 | 21.2 | --- | --- | --- |
| 30 | --- | --- | --- | 16.7 | 15.6 | 16.1 | 21.5 | 20.7 | 21.1 | --- | --- | --- |
| 31 | --- | --- | --- | 17.6 | 16.4 | 16.9 | --- | --- | --- | --- | --- | --- |
| MONTH | 15.1 | 8.1 | 10.2 | --- | --- | --- | --- | --- | -- | - | --- | --- |

0208457125 PUNGO RIVER AT CHANNEL LIGHT 8--Continued
OXYGEN DISSOLVED (MG/L), TOP, FOR PERIOD OCTOBER 2001 TO MAY 2002


0208457125 PUNGO RIVER AT CHANNEL LIGHT 8--Continued
OXYGEN DISSOLVED (MG/L), BOTTOM, FOR PERIOD OCTOBER 2001 TO MAY 2002


0208457125 PUNGO RIVER AT CHANNEL LIGHT 8--Continued
OXYGEN DISSOLVED (\% OF SATURATION), TOP, FOR PERIOD OCTOBER 2001 TO MAY 2002

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | OCTOBER |  |  | NOVEMBER |  |  | DECEMBER |  |  | JANUARY |  |  |
| 1 | 83 | 74 | 79 | --- | --- | --- | 95 | 88 | 91 | 80 | 76 | 77 |
| 2 | 90 | 75 | 82 | --- | --- | --- | 91 | 82 | 87 | 78 | 75 | 76 |
| 3 | 88 | 75 | 81 | --- | --- | --- | 86 | 81 | 83 | 78 | 76 | 77 |
| 4 | 87 | 75 | 81 |  |  | --- | 87 | 80 | 83 | 80 | 75 | 77 |
| 5 | 85 | 75 | 80 | --- | --- | --- | 89 | 81 | 84 | 80 | 76 | 78 |
| 6 | --- | --- | --- | --- | --- | --- | 89 | 83 | 86 | 81 | 77 | 78 |
| 7 | --- | --- | --- | --- | --- | --- | 88 | 84 | 86 | 81 | 77 | 78 |
| 8 | --- | --- | --- | --- | --- | --- | 87 | 83 | 85 | 81 | 77 | 78 |
| 9 | --- | --- | --- | 86 | 80 | 82 | 84 | 79 | 81 | 82 | 77 | 79 |
| 10 | --- | --- | --- | 85 | 79 | 82 | 83 | 77 | 79 | 88 | 78 | 81 |
| 11 | --- | --- | - | 85 | 79 | 82 | 81 | 77 | 79 | 87 | 80 | 81 |
| 12 | 97 | 90 | 93 | 84 | 78 | 81 | 83 | 77 | 79 | 88 | 80 | 82 |
| 13 | 97 | 88 | 94 | 85 | 79 | 82 | 85 | 77 | 80 | 84 | 81 | 82 |
| 14 | 93 | 87 | 91 | 87 | 81 | 84 | 85 | 79 | 81 | 86 | 80 | 82 |
| 15 | 92 | 81 | 87 | 87 | 82 | 85 | 81 | 77 | 79 | 91 | 82 | 85 |
| 16 | 93 | 80 | 86 | 89 | 82 | 85 | 82 | 75 | 78 | 91 | 83 | 85 |
| 17 | 88 | 79 | 83 | 87 | 82 | 85 | 80 | 75 | 78 | 89 | 82 | 86 |
| 18 | 91 | 80 | 83 | 89 | 81 | 85 | 79 | 74 | 76 | 90 | 83 | 87 |
| 19 | 89 | 79 | 85 | 89 | 84 | 86 | 95 | 72 | 74 | 89 | 79 | 85 |
| 20 | 89 | 80 | 84 | 87 | 81 | 85 | 76 | 72 | 74 | 84 | 80 | 83 |
| 21 | 91 | 79 | 85 | 86 | 80 | 83 | 77 | 72 | 74 | 87 | 81 | 83 |
| 22 | 91 | 80 | 87 | 88 | 82 | 85 | 78 | 73 | 75 | 91 | 81 | 86 |
| 23 | 91 | 81 | 86 | 87 | 83 | 86 | 77 | 74 | 75 | 92 | 88 | 90 |
| 24 | 92 | 81 | 86 | 86 | 83 | 85 | 79 | 75 | 77 | 91 | 86 | 88 |
| 25 | 82 | 70 | 77 | 87 | 83 | 85 | 78 | 75 | 76 | 89 | 84 | 86 |
| 26 | 81 | 67 | 75 | 91 | 80 | 85 | 78 | 74 | 76 | 97 | 84 | 90 |
| 27 | 83 | 68 | 74 | 92 | 82 | 87 | 81 | 74 | 76 | 113 | 81 | 100 |
| 28 | 83 | 67 | 75 | 100 | 86 | 92 | 78 | 75 | 76 | 119 | 100 | 110 |
| 29 | -- | --- | --- | 97 | 93 | 95 | 80 | 76 | 77 | 127 | 109 | 118 |
| 30 | --- | --- | --- | 94 | 91 | 92 | 83 | 76 | 77 | 117 | 106 | 113 |
| 31 | --- | --- | --- | --- | --- | --- | 79 | 76 | 78 | 108 | 101 | 105 |
| MONTH | --- | --- | --- | --- | --- | --- | 95 | 72 | 79 | 127 | 75 | 87 |
| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
|  | FEBRUARY |  |  | MARCH |  |  | APRIL |  |  | MAY |  |  |
| 1 | 103 | 92 | 97 | 81 | 76 | 78 | 96 | 82 | 87 | 139 | 83 | 99 |
| 2 | 92 | 84 | 88 | 79 | 76 | 78 | 100 | 82 | 92 | 97 | 84 | 89 |
| 3 | 86 | 80 | 83 | 81 | 77 | 78 | 101 | 82 | 90 | 95 | 75 | 84 |
| 4 | 82 | 77 | 81 | 81 | 76 | 78 | 90 | 81 | 85 | 82 | 70 | 76 |
| 5 | 85 | 78 | 81 | 86 | 75 | 80 | 92 | 80 | 87 | 86 | 70 | 77 |
| 6 | 89 | 80 | 85 | 91 | 78 | 84 | 97 | 80 | 88 | 103 | 74 | 86 |
| 7 | 86 | 80 | 84 | 99 | 85 | 92 | 100 | 84 | 90 | 95 | 79 | 87 |
| 8 | 89 | 80 | 84 | 103 | 88 | 96 | --- | --- | --- | 99 | 77 | 87 |
| 9 | 100 | 82 | 93 | 107 | 94 | 101 | --- | --- | --- | --- | --- | --- |
| 10 | 101 | 92 | 97 | 102 | 89 | 96 | --- | --- | --- | --- | --- | -- |
| 11 | 98 | 87 | 92 | 90 | 83 | 87 | --- | -- | --- | --- | --- | --- |
| 12 | 95 | 84 | 91 | 89 | 83 | 86 | 110 | 84 | 95 | --- | --- | --- |
| 13 | 99 | 89 | 94 | 90 | 78 | 84 | 104 | 95 | 99 | --- | --- | --- |
| 14 | 94 | 83 | 90 | 89 | 76 | 83 | 114 | 96 | 103 | --- | --- | --- |
| 15 | 97 | 86 | 92 | 90 | 76 | 84 | 120 | 93 | 104 | --- | --- | - |
| 16 | 103 | 88 | 97 | 95 | 83 | 89 | 125 | 88 | 106 | --- | --- | --- |
| 17 | 98 | 83 | 90 | 88 | 76 | 80 | 125 | 93 | 107 | --- | --- | --- |
| 18 | 86 | 78 | 83 | 84 | 74 | 78 | 123 | 90 | 106 | --- | --- | --- |
| 19 | 90 | 82 | 86 | 82 | 76 | 79 | 111 | 90 | 104 | --- | --- | --- |
| 20 | 89 | 83 | 86 | 83 | 74 | 80 | 112 | 80 | 96 | --- | --- | -- |
| 21 | 90 | 83 | 87 | 80 | 74 | 77 | 95 | 77 | 86 | --- | --- | --- |
| 22 | 90 | 85 | 87 | --- | --- | --- | 100 | 73 | 85 | --- | --- | --- |
| 23 | 87 | 78 | 82 | --- | -- | --- | 95 | 72 | 83 | --- | --- | --- |
| 24 | 84 | 75 | 80 | --- | --- | --- | 101 | 78 | 88 | -- | --- | --- |
| 25 | 85 | 77 | 81 | --- | --- | --- | 91 | 82 | 85 | --- | --- | --- |
| 26 | 84 | 79 | 82 | --- | --- | --- | 102 | 75 | 87 | --- | --- | --- |
| 27 | 81 | 76 | 78 | 88 | 80 | 83 | 101 | 85 | 92 | --- | --- | --- |
| 28 | 83 | 74 | 77 | 92 | 81 | 86 | 105 | 89 | 96 | --- | --- | --- |
| 29 | --- | --- | --- | 93 | 85 | 89 | 111 | 92 | 102 | --- | --- | --- |
| 30 | --- | --- | --- | 91 | 83 | 87 | 112 | 91 | 101 | --- | --- | -- |
| 31 | --- | --- | --- | 95 | 81 | 87 | --- | --- | - | --- | --- | --- |
| MONTH | 103 | 74 | 87 | --- | --- | --- | --- | --- | --- | --- | --- | -- |

0208457125 PUNGO RIVER AT CHANNEL LIGHT 8--Continued
OXYGEN DISSOLVED (\% OF SATURATION), BOTTOM, FOR PERIOD OCTOBER 2001 TO MAY 2002


