LOCATION.--Lat $34^{\circ} 41^{\prime} 51^{\prime \prime}$, long $77^{\circ} 24^{\prime} 1^{\prime \prime}$, Onslow County, Hydrologic Unit 03030001 , at U.S. Coast Guard Channel Light 50 .
PERIOD OF RECORD.--Water years 2000 to March 2002 (discontinued).
PERIOD OF DAILY RECORD.--
SALINITY (TOP AND BOTTOM) : November 1999 to March 2002.
pH (TOP AND BOTTOM) : November 1999 to March 2002.
WATER TEMPERATURE (TOP AND BOTTOM) : November 1999 to March 2002.
DISSOLVED OXYGEN (TOP AND BOTTOM): November 1999 to March 2002.
DISSOLVED OXYGEN, PERCENT SATURATION (TOP AND BOTTOM) : November 1999 to March 2002.
INSTRUMENTATION. --Water-quality monitor with satellite telemetry from November 1999 to March 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 $<10 \%$.
EXTREMES FOR PERIOD OF DAILY RECORD.--

| CONSTITUENT | MAXIMUM RECORDED | MINIMUM RECORDED |
| :--- | :--- | :--- |
| SALINITY (TOP), ppt | 25.4, December 4, 2001 | 2.0, September 26, 2000 |
| SALINITY (BOTTOM), ppt | 26.9, December 15, 16 | 4.6, May 29, September 29, 2000 |
| pH (TOP), standard units | 8.8, November 21, 1999, March 8, 9, 10, 11, 12, <br> 13,2002 | 6.7, September 25, 2000 |
| pH (BOTTOM), standard units | 8.6, February 13, 2001 | 6.6, September 28, 2000 |
| WATER TEMPERATURE (TOP), ${ }^{\circ} \mathrm{C}$ | 32.5, July 18, 2000 | 1.4, January 1, 2001 |
| WATER TEMPERATURE (BOTTOM), ${ }^{\circ} \mathrm{C}$ | 31.6, August 10, 2001 | 2.0, January 28, 2000 |
| DISSOLVED OXYGEN (TOP), mg/L | 15.6, January 30, 2000 | 1.2, September 9, 2000 |
| DISSOLVED OXYGEN (BOTTOM), mg/L | 13.4, January 30, 2000 | $<1.0$, on many days during the period |
| DISSOLVED OXYGEN, PERCENT <br> SATURATION (TOP),\% | 178, July 8, 2000 | 15, September 9, 2000 |
| DISSOLVED OXYGEN, PERCENT <br> SATURATION (BOTTOM),\% | 123, February 19, 2000 | $<10$, on many days during the period |

EXTREMES FOR CURRENT YEAR.--

| CONSTITUENT | MAXIMUM RECORDED | MINIMUM RECORDED |
| :---: | :---: | :---: |
| SALINITY (TOP), ppt | 25.4, December 4 | 11.5, March 10 |
| SALINITY (BOTTOM), ppt | 26.9, December 15, 16 | 17.2, March 10 |
| pH (TOP), standard units | 8.8, March 8, 9, 10, 11, 12, 13 | 7.5, October 10, 13, 16, 17, 24 |
| pH (BOTTOM), standard units | 8.2, December 10 | 7.2, October 6, 7, 8 |
| WATER TEMPERATURE (TOP), ${ }^{\circ} \mathrm{C}$ | 23.5, October 25 | 7.3, January 14 |
| WATER TEMPERATURE (BOTTOM), ${ }^{\circ} \mathrm{C}$ | 22.0, October 15, 16, 17 | 8.0, January 15 |
| DISSOLVED OXYGEN (TOP), mg/L | 12.9, March 8 | 5.4, October 3 |
| DISSOLVED OXYGEN (BOTTOM), mg/L | 11.5, January 22 | 3.0, March 15 |
| DISSOLVED OXYGEN, PERCENT SATURATION (TOP),\% | 128, March 8 | 59, October 3 |
| DISSOLVED OXYGEN, PERCENT SATURATION (BOTTOM),\% | 102, January 22 | 30, March 15 |

0209318667 NEW RIVER AT CHANNEL LIGHT 50--Continued
SALINITY (PARTS PER THOUSAND), TOP, FOR PERIOD OCTOBER 2001 TO MARCH 2002

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | OCTOBER |  |  | NOVEMBER |  |  | DECEMBER |  |  | JANUARY |  |  |
| 1 | 18.1 | 16.9 | 17.8 | 22.1 | 20.8 | 21.5 | 24.5 | 23.5 | 24.0 | --- | --- | --- |
| 2 | 19.6 | 17.5 | 18.0 | 23.2 | 20.7 | 21.8 | 24.7 | 23.1 | 24.1 | --- | --- | --- |
| 3 | 20.1 | 17.3 | 18.6 | 23.3 | 21.0 | 21.9 | 25.2 | 23.0 | 24.6 | --- | --- | --- |
| 4 | 19.3 | 17.7 | 18.2 | 23.6 | 20.5 | 22.2 | 25.4 | 23.3 | 24.4 | --- | --- | --- |
| 5 | 18.8 | 17.9 | 18.4 | 24.2 | 21.6 | 23.0 | 24.6 | 23.0 | 24.2 | --- | --- | --- |
| 6 | 18.6 | 18.1 | 18.3 | 24.6 | 23.1 | 23.5 | 24.6 | 23.4 | 24.2 | --- | --- | --- |
| 7 | 19.2 | 18.1 | 18.6 | --- | --- | --- | 24.2 | 23.5 | 23.8 | --- | --- | --- |
| 8 | 19.2 | 18.6 | 19.0 | --- | --- | --- | 25.2 | 23.8 | 24.2 | --- | --- | --- |
| 9 | 19.0 | 18.3 | 18.7 | --- | --- | --- | 24.7 | 24.1 | 24.4 | --- | --- | --- |
| 10 | 18.8 | 18.2 | 18.5 | --- | --- | --- | 24.8 | 24.7 | 24.7 | --- | --- | --- |
| 11 | 19.4 | 18.2 | 18.7 | --- | --- | --- | 24.8 | 24.0 | 24.5 | --- | --- | --- |
| 12 | 19.4 | 18.4 | 18.8 | 23.5 | 23.2 | 23.4 | 25.1 | 23.8 | 24.6 | --- | --- | --- |
| 13 | 20.3 | 18.3 | 19.2 | --- | --- | --- | 25.1 | 23.9 | 24.7 | --- | --- | --- |
| 14 | 19.9 | 18.8 | 19.2 | --- | --- | --- | 25.2 | 24.0 | 24.5 | --- | --- | --- |
| 15 | 20.3 | 18.7 | 19.4 | --- | --- | --- | 25.0 | 23.8 | 24.5 | 23.1 | 20.1 | 21.9 |
| 16 | 20.2 | 18.7 | 19.4 | --- | --- | --- | --- | --- | --- | 22.9 | 21.1 | 22.4 |
| 17 | 20.1 | 19.2 | 19.6 | --- | --- | --- | --- | --- | --- | 22.8 | 21.4 | 22.3 |
| 18 | 20.6 | 19.4 | 19.8 | --- | --- | --- | --- | --- | --- | 22.3 | 21.4 | 21.8 |
| 19 | 20.7 | 19.3 | 20.0 | --- | --- | --- | --- | --- | --- | 22.9 | 21.7 | 22.3 |
| 20 | 20.7 | 19.4 | 20.0 | 24.7 | 23.6 | 24.1 | --- | --- | --- | 23.0 | 22.3 | 22.8 |
| 21 | 20.6 | 19.0 | 20.0 | 24.9 | 24.2 | 24.6 | --- | --- | --- | 22.8 | 22.1 | 22.6 |
| 22 | 20.8 | 19.4 | 20.1 | 24.9 | 24.0 | 24.6 | --- | --- | --- | 23.0 | 22.1 | 22.5 |
| 23 | 22.1 | 19.6 | 21.0 | 24.8 | 24.2 | 24.7 | --- | --- | --- | 22.6 | 20.8 | 22.2 |
| 24 | 22.9 | 19.7 | 20.9 | 25.2 | 24.1 | 24.5 | --- | --- | --- | 22.6 | 21.3 | 21.9 |
| 25 | 21.4 | 20.0 | 20.6 | 24.3 | 24.1 | 24.2 | --- | --- | --- | 21.7 | 20.0 | 21.4 |
| 26 | --- | --- | --- | 24.9 | 23.4 | 24.3 | --- | --- | --- | 22.5 | 20.5 | 21.9 |
| 27 | 21.9 | 21.2 | 21.5 | 24.8 | 23.3 | 24.4 | --- | --- | --- | 22.5 | 20.6 | 21.9 |
| 28 | 21.7 | 21.3 | 21.5 | 24.7 | 23.1 | 24.1 | --- | --- | --- | 22.5 | 20.7 | 21.8 |
| 29 | 21.9 | 21.4 | 21.6 | 24.5 | 23.8 | 24.1 | --- | --- | --- | 22.7 | 19.7 | 21.7 |
| 30 | --- | --- | --- | 24.2 | 23.6 | 23.9 | --- | --- | --- | 22.6 | 19.6 | 20.7 |
| 31 | - | --- | --- | --- | - | --- | --- | --- | --- | 21.7 | 20.1 | 20.9 |
| MONTH | -- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

SALINITY (PARTS PER THOUSAND), TOP, FOR PERIOD OCTOBER 2001 TO MARCH 2002

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | FEBRUARY |  |  | MARCH |  |  | APRIL |  |  | MAY |  |
| 1 | 21.6 | 20.0 | 20.6 | 20.8 | 18.6 | 19.8 | --- | -- | -- | -- | -- | - |
| 2 | 21.7 | 20.5 | 21.0 | 20.5 | 19.5 | 19.9 | --- | --- | --- | --- | --- | --- |
| 3 | 21.4 | 19.9 | 20.8 | 20.1 | 17.3 | 19.3 | --- | --- | --- | --- | --- | --- |
| 4 | 21.7 | 19.9 | 20.8 | 19.8 | 15.7 | 17.7 | --- | --- | -- | --- | - | --- |
| 5 | 21.7 | 20.1 | 21.1 | 18.5 | 14.7 | 16.6 | --- | --- | -- | --- | -- | - |
| 6 | 22.3 | 20.1 | 21.5 | 17.7 | 13.1 | 15.4 | - | --- | --- | --- | --- | - |
| 7 | 22.0 | 20.8 | 21.5 | 17.1 | 13.4 | 15.7 | --- | --- | --- | --- | --- | --- |
| 8 | 22.3 | 19.7 | 21.2 | 16.1 | 14.0 | 15.1 | --- | --- | --- | --- | -- | --- |
| 9 | 22.4 | 19.8 | 21.5 | 16.1 | 14.0 | 14.7 | --- | --- | --- | --- | -- | --- |
| 10 | 22.6 | 19.0 | 20.7 | 15.0 | 11.5 | 13.2 | --- | --- | --- | --- | --- | - |
| 11 | 20.7 | 17.1 | 18.7 | 14.6 | 12.9 | 14.0 | --- | - | -- | --- | -- | - |
| 12 | 20.3 | 18.3 | 19.3 | 15.0 | 13.2 | 14.4 | --- | --- | --- | --- | --- | --- |
| 13 | 19.8 | 17.3 | 19.1 | 16.2 | 12.3 | 13.9 | --- | - | --- | --- | -- | --- |
| 14 | 19.7 | 18.9 | 19.3 | 15.5 | 12.3 | 13.4 | - | --- | --- | --- | --- | --- |
| 15 | 21.0 | 18.6 | 19.6 | --- | --- | --- | --- | --- | --- | --- | -- | --- |
| 16 | 22.2 | 18.7 | 20.2 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 17 | 20.9 | 18.9 | 20.0 | --- | --- | - | --- | --- | --- | --- | --- | --- |
| 18 | 20.7 | 20.0 | 20.3 | - | --- | --- | --- | --- | --- | --- | - | --- |
| 19 | 20.7 | 19.2 | 20.3 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 20 | 20.7 | 20.0 | 20.3 | --- | --- | --- | --- | --- | - | --- | -- | - |
| 21 | 20.3 | 19.4 | 20.0 | --- | - | --- | --- | - | --- | - | --- | - |
| 22 | 20.2 | 19.0 | 19.7 | --- | --- | --- | --- | --- | --- | --- | - | --- |
| 23 | 20.6 | 19.7 | 20.1 | --- | --- | - | --- | --- | --- | --- | -- | - |
| 24 | 21.3 | 20.1 | 20.5 | --- | --- | --- | - | --- | --- | --- | -- | --- |
| 25 | 21.2 | 19.2 | 20.2 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 26 | 20.3 | 19.4 | 19.9 | -- | --- | - | - | --- | --- | --- | -- | - |
| 27 | 21.9 | 19.2 | 20.2 | --- | --- | --- | --- | --- | --- | - | --- | --- |
| 28 | 20.4 | 18.9 | 19.6 | - | -- | --- | --- | --- | --- | --- | --- | --- |
| 29 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 30 | - | --- | - | --- | --- | - | --- | --- | --- | --- | -- | --- |
| 31 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MONTH | 22.6 | 17.1 | 20.3 | --- | --- | --- | - | -- | -- | --- | --- | - |

0209318667 NEW RIVER AT CHANNEL LIGHT 50--Continued
SALINITY (PARTS PER THOUSAND), BOTTOM, FOR PERIOD OCTOBER 2001 TO MARCH 2002

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | OCTOBER |  | NOVEMBER |  | DECEMBER |  |  |  | JANUARY |  |  |
| 1 | 19.6 | 18.1 | 18.9 | 24.4 | 23.7 | 24.1 | 25.1 | 24.3 | 24.9 | --- | --- | --- |
| 2 | 20.9 | 18.7 | 19.9 | 25.0 | 24.3 | 24.6 | 25.2 | 24.6 | 25.1 | --- | --- | --- |
| 3 | 21.9 | 20.8 | 21.4 | 25.8 | 24.9 | 25.5 | 25.2 | 24.7 | 25.0 | --- | --- | --- |
| 4 | 22.8 | 21.1 | 22.1 | 26.2 | 25.6 | 25.9 | 26.0 | 24.7 | 25.6 | --- | --- | --- |
| 5 | 22.6 | 21.7 | 22.1 | 26.2 | 25.8 | 26.1 | 26.6 | 25.9 | 26.3 | --- | --- | --- |
| 6 | 22.3 | 21.4 | 21.8 | 26.0 | 23.6 | 24.8 | 26.7 | 26.2 | 26.5 | --- | --- | --- |
| 7 | 21.9 | 19.1 | 21.4 | --- | --- | --- | 26.7 | 26.2 | 26.5 | --- | --- | --- |
| 8 | 21.5 | 18.8 | 19.9 | --- | --- | --- | 26.6 | 25.9 | 26.4 | --- | --- | --- |
| 9 | 19.3 | 18.4 | 18.9 | --- | --- | --- | 26.3 | 24.5 | 26.1 | --- | --- | --- |
| 10 | 19.4 | 18.4 | 19.1 | --- | --- | --- | 26.3 | 24.8 | 25.7 | --- | --- | --- |
| 11 | 20.0 | 19.3 | 19.6 | --- | --- | --- | 25.4 | 24.5 | 24.7 | --- | --- | --- |
| 12 | 20.7 | 19.4 | 19.9 | 23.8 | 23.5 | 23.6 | 26.1 | 24.7 | 25.1 | --- | --- | --- |
| 13 | 21.7 | 20.7 | 21.3 | --- | --- | --- | 26.1 | 25.9 | 26.0 | --- | --- | --- |
| 14 | 22.0 | 19.3 | 20.7 | --- | --- | --- | 26.4 | 25.7 | 26.0 | --- | --- | --- |
| 15 | 21.5 | 20.1 | 20.8 | --- | --- | --- | 26.9 | 25.2 | 26.2 | 24.3 | 23.5 | 24.0 |
| 16 | 22.0 | 20.6 | 21.4 | --- | --- | --- | --- | --- | --- | 24.7 | 24.2 | 24.5 |
| 17 | 23.0 | 20.8 | 21.8 | --- | --- | --- | --- | --- | --- | 25.7 | 24.5 | 25.2 |
| 18 | 23.0 | 21.4 | 22.4 | --- | --- | --- | --- | --- | --- | 26.0 | 25.7 | 25.9 |
| 19 | 22.6 | 20.3 | 21.4 | --- | --- | --- | --- | --- | --- | 26.0 | 25.4 | 25.8 |
| 20 | 22.4 | 21.5 | 22.0 | 26.5 | 25.6 | 26.0 | --- | --- | --- | 25.7 | 24.4 | 25.2 |
| 21 | 21.9 | 21.2 | 21.7 | 26.7 | 26.5 | 26.6 | --- | --- | --- | 25.0 | 23.1 | 24.6 |
| 22 | 22.7 | 21.1 | 22.1 | 26.7 | 25.9 | 26.5 | --- | --- | --- | 23.3 | 22.6 | 23.0 |
| 23 | 23.9 | 22.5 | 23.2 | 26.4 | 25.7 | 26.1 | --- | --- | --- | 23.3 | 23.1 | 23.2 |
| 24 | 24.6 | 22.7 | 23.8 | 26.2 | 24.7 | 25.7 | --- | --- | --- | 23.3 | 21.7 | 22.8 |
| 25 | 24.5 | 23.3 | 24.0 | 24.9 | 24.2 | 24.6 | --- | --- | --- | 23.4 | 22.0 | 22.8 |
| 26 | --- | --- | --- | 24.9 | 24.3 | 24.7 | --- | --- | --- | 23.1 | 22.2 | 22.7 |
| 27 | 22.9 | 21.3 | 21.8 | 24.9 | 24.7 | 24.8 | --- | --- | --- | 23.0 | 22.6 | 22.9 |
| 28 | 21.7 | 21.3 | 21.5 | 25.0 | 24.7 | 24.8 | --- | --- | --- | 24.1 | 22.6 | 23.5 |
| 29 | 21.9 | 21.4 | 21.7 | 24.9 | 24.6 | 24.8 | --- | --- | --- | 24.4 | 23.8 | 24.2 |
| 30 | --- | --- | --- | 24.9 | 23.9 | 24.5 | --- | --- | --- | 24.7 | 23.3 | 24.2 |
| 31 | --- | --- | - | - | --- | --- | --- | --- | --- | 24.3 | 23.3 | 24.0 |
| MONTH | --- | --- | --- | --- | --- | --- | --- | --- | --- | -- | --- | - |

SALINITY (PARTS PER THOUSAND), BOTTOM, FOR PERIOD OCTOBER 2001 TO MARCH 2002

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | FEBRUARY |  |  | MARCH |  |  | APRIL |  |  | MAY |  |
| 1 | 23.8 | 21.2 | 23.2 | 21.8 | 20.2 | 21.5 | --- | -- | -- | -- | -- | - |
| 2 | 23.4 | 20.9 | 22.2 | 21.3 | 19.7 | 20.5 | --- | --- | --- | --- | --- | --- |
| 3 | 22.6 | 21.1 | 21.7 | 20.6 | 19.7 | 20.1 | --- | --- | --- | --- | --- | --- |
| 4 | 24.4 | 20.9 | 22.4 | 20.6 | 17.3 | 19.3 | --- | --- | - | -- | - | --- |
| 5 | 22.3 | 20.7 | 21.5 | 19.8 | 18.8 | 19.5 | --- | --- | -- | --- | -- | - |
| 6 | 23.9 | 22.1 | 23.2 | 19.6 | 18.1 | 19.0 | --- | --- | --- | --- | --- | --- |
| 7 | 24.1 | 21.8 | 23.2 | 18.9 | 18.1 | 18.5 | --- | --- | --- | --- | --- | --- |
| 8 | 24.8 | 22.5 | 23.9 | 18.9 | 18.0 | 18.5 | - | --- | --- | --- | - | --- |
| 9 | 24.8 | 23.9 | 24.6 | 18.6 | 17.6 | 18.1 | --- | --- | --- | - | - | -- |
| 10 | 24.9 | 23.7 | 24.3 | 18.7 | 17.2 | 18.2 | --- | --- | --- | --- | --- | - |
| 11 | 24.7 | 19.8 | 23.3 | 18.6 | 17.8 | 18.2 | -- | --- | --- | --- | -- | - |
| 12 | 23.4 | 21.2 | 23.2 | 18.1 | 17.7 | 17.9 | --- | --- | --- | --- | --- | --- |
| 13 | 23.2 | 21.2 | 22.5 | 19.6 | 17.5 | 18.3 | --- | --- | --- | --- | -- | - |
| 14 | 22.7 | 22.4 | 22.6 | 19.6 | 18.2 | 19.2 | --- | --- | --- | --- | --- | --- |
| 15 | 22.8 | 22.4 | 22.6 | --- | --- | --- | --- | --- | --- | -- | -- | --- |
| 16 | 23.6 | 22.6 | 23.0 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 17 | 24.2 | 20.6 | 22.9 | --- | - | - | --- | --- | --- | --- | --- | --- |
| 18 | 20.9 | 20.2 | 20.5 | --- | --- | --- | --- | --- | --- | --- | -- | --- |
| 19 | 21.4 | 20.5 | 20.9 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 20 | 21.3 | 20.2 | 20.7 | --- | --- | --- | - | --- | --- | --- | --- | - |
| 21 | 21.0 | 20.2 | 20.5 | --- | --- | --- | - | --- | --- | --- | --- | - |
| 22 | 21.2 | 20.5 | 21.0 | --- | --- | - | --- | --- | --- | --- | -- | --- |
| 23 | 21.2 | 20.3 | 20.9 | --- | - | --- | --- | --- | --- | --- | -- | --- |
| 24 | 23.4 | 20.1 | 21.5 | --- | --- | - | --- | --- | --- | -- | --- | --- |
| 25 | 23.3 | 21.0 | 22.3 | --- | --- | --- | --- | --- | --- | --- | --- | -- |
| 26 | 21.9 | 19.9 | 21.1 | --- | --- | - | --- | --- | --- | - | --- | --- |
| 27 | 22.1 | 19.8 | 20.8 | --- | --- | --- | --- | --- | -- | -- | --- | -- |
| 28 | 21.9 | 21.2 | 21.7 | -- | --- | --- | --- | --- | --- | --- | --- | --- |
| 29 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 30 | - | - | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 31 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MONTH | 24.9 | 19.8 | 22.2 | - | -- | --- | --- | --- | --- | --- | --- | --- |

0209318667 NEW RIVER AT CHANNEL LIGHT 50--Continued
PH, WATER, WHOLE, FIELD, STANDARD UNITS, TOP, FOR PERIOD OCTOBER 2001 TO MARCH 2002


0209318667 NEW RIVER AT CHANNEL LIGHT 50--Continued
PH, WATER, WHOLE, FIELD, STANDARD UNITS, BOTTOM, FOR PERIOD OCTOBER 2001 TO DECEMBER 2001

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



0209318667 NEW RIVER AT CHANNEL LIGHT 50--Continued
WATER TEMPERATURE DEGREES CELSIUS, TOP, FOR PERIOD OCTOBER 2001 TO MARCH 2002

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | FEBRUARY |  |  | MARCH |  |  | APRIL |  |  | MAY |  |
| 1 | 18.2 | 16.3 | 17.2 | 10.8 | 9.0 | 10 | -- | -- | -- | --- | --- | --- |
| 2 | 17.5 | 15.6 | 16.6 | 10.8 | 9.4 | 10 | -- | -- | - | - | - | --- |
| 3 | 15.6 | 13.8 | 14.5 | 13.6 | 10.8 | 12.3 | --- | --- | --- | --- | --- | --- |
| 4 | 14.2 | 11.5 | 13.0 | 12.9 | 11.0 | 12.2 | - | --- | --- | - | - | --- |
| 5 | 11.5 | 8.8 | 10.0 | 12.1 | 9.2 | 10.7 | --- | -- | - | - | -- | --- |
| 6 | 9.7 | 7.8 | 8.9 | 12.5 | 9.6 | 10.9 | -- | --- | -- | - | - | --- |
| 7 | 9.5 | 8.2 | 9.2 | 15.3 | 11.1 | 12.1 | - | --- | --- | --- | --- | --- |
| 8 | 10.5 | 9.0 | 9.6 | 15.7 | 12.6 | 14.2 | --- | -- | -- | - | -- | --- |
| 9 | 11.3 | 9.6 | 10.2 | 16.5 | 14.3 | 15.5 | --- | --- | --- | --- | - | --- |
| 10 | 11.4 | 10.0 | 10.8 | 17.2 | 15.5 | 16.5 | --- | -- | -- | -- | -- | --- |
| 11 | 12.0 | 11.0 | 11.6 | 15.6 | 14.2 | 14.8 | -- | --- | --- | -- | --- | -- |
| 12 | 11.8 | 9.9 | 11.1 | 14.9 | 13.9 | 14.5 | --- | --- | --- | --- | --- | --- |
| 13 | 11.7 | 10.4 | 11.3 | 15.9 | 14.6 | 15.0 | --- | --- | -- | -- | --- | -- |
| 14 | 11.4 | 10.4 | 11.0 | 16.9 | 14.9 | 15.6 | --- | --- | --- | --- | -- | - |
| 15 | 11.1 | 9.7 | 10.4 | - | --- | . | --- | -- | -- | --- | --- | --- |
| 16 | 12.0 | 10.4 | 11.0 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 17 | 11.9 | 10.8 | 11.3 | --- | --- | --- | --- | --- | --- | --- | - | --- |
| 18 | 10.9 | 9.7 | 10.1 | - | - | - | --- | - | - | -- | --- | - |
| 19 | 10.6 | 8.5 | 9.9 | --- | --- | --- | --- | -- | -- | -- | --- | - |
| 20 | 11.5 | 10.1 | 10.9 | --- | --- | -- | -- | --- | --- | -- | --- | --- |
| 21 | 13.6 | 11.5 | 12.4 | --- | --- | --- | - | - | --- | -- | --- | --- |
| 22 | 13.6 | 12.5 | 13.0 | - | - | --- | - | - | -- | --- | --- | - |
| 23 | 13.1 | 11.5 | 12.2 | --- | --- | --- | --- | --- | -- | - | -- | - |
| 24 | 12.0 | 10.9 | 11.3 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 25 | 12.7 | 10.5 | 11.3 | --- | --- | --- | --- | --- | --- | -- | --- | --- |
| 26 | 13.0 | 11.5 | 12.3 | - | - | --- | --- | --- | - | -- | -- | --- |
| 27 | 12.9 | 11.1 | 12.3 | --- | --- | --- | --- | --- | --- | -- | --- | -- |
| 28 | 11.2 | 10.0 | 10.6 | --- | --- | --- | --- | --- | -- | - | --- | --- |
| 29 | --- | --- | --- | --- | --- | - | -- | -- | -- | - | --- | - |
| 30 | --- | --- | --- | --- | --- | --- | --- | --- | --- | -- | --- | --- |
| 31 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MONTH | 18.2 | 7.8 | 11.6 | --- | --- | --- | --- | --- | --- | --- | --- | --- |

WATER TEMPERATURE, DEGREES CELSIUS, BOTTOM, FOR PERIOD OCTOBER 2001 TO MARCH 2002

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | OCTOBER |  |  | VEMBER |  |  | CEMBER |  |  | JANUARY |  |
| 1 | 20.2 | 19.1 | 19.7 | 15.7 | 15.4 | 15.6 | 18.8 | 18.6 | 18.6 | - | --- | --- |
| 2 | 19.8 | 19.4 | 19.6 | 16.0 | 15.7 | 15.8 | 18.9 | 18.5 | 18.7 | --- | --- | --- |
| 3 | 19.9 | 19.5 | 19.7 | 16.3 | 16.0 | 16.1 | 18.8 | 17.7 | 18.0 | --- | --- | --- |
| 4 | 20.2 | 19.8 | 20.0 | 16.7 | 16.3 | 16.5 | 18.6 | 16.9 | 18.2 | --- | --- | --- |
| 5 | 20.5 | 20.2 | 20.4 | 17.3 | 16.7 | 17.0 | 18.4 | 18.1 | 18.3 | --- | --- | --- |
| 6 | 21.2 | 20.5 | 20.8 | 17.2 | 14.6 | 15.9 | 18.2 | 18.0 | 18.1 | --- | --- | --- |
| 7 | 21.4 | 20.9 | 21.3 | --- | --- | --- | 18.2 | 18.1 | 18.1 | --- | --- | --- |
| 8 | 21.4 | 19.5 | 20.4 | --- | --- | --- | 18.2 | 18.0 | 18.1 | --- | --- | --- |
| 9 | 19.6 | 18.4 | 18.8 | --- | --- | --- | 18.4 | 18.1 | 18.2 | --- | --- | --- |
| 10 | 19.3 | 18.5 | 18.9 | --- | --- | --- | 18.2 | 16.6 | 17.5 | --- | --- | --- |
| 11 | 19.6 | 19.2 | 19.4 | --- | --- | --- | 17.1 | 16.5 | 16.7 | --- | --- | --- |
| 12 | 20.1 | 19.6 | 19.8 | 15.1 | 14.3 | 14.7 | 16.7 | 16.2 | 16.4 | --- | --- | --- |
| 13 | 20.3 | 20.1 | 20.2 | --- | - | --- | 16.6 | 16.5 | 16.5 | --- | --- | --- |
| 14 | 21.9 | 20.3 | 21.0 | - | --- | --- | 16.7 | 16.5 | 16.6 | --- | --- | --- |
| 15 | 22.0 | 21.7 | 21.9 | --- | --- | --- | 17.1 | 16.7 | 16.8 | 8.5 | 8.0 | 8.2 |
| 16 | 22.0 | 21.7 | 21.9 | --- | --- | --- | --- | --- | --- | 8.9 | 8.5 | 8.7 |
| 17 | 22.0 | 19.9 | 20.7 | --- | --- | --- | --- | --- | --- | 9.2 | 8.9 | 9.1 |
| 18 | 20.4 | 19.3 | 20.0 | --- | --- | --- | --- | --- | --- | 9.5 | 9.2 | 9.4 |
| 19 | 19.8 | 17.9 | 18.9 | --- | --- | --- | --- | --- | --- | 9.9 | 9.5 | 9.7 |
| 20 | 19.6 | 19.1 | 19.4 | 15.7 | 15.4 | 15.5 | -- | --- | -- | 10.3 | 9.8 | 10.1 |
| 21 | 20.0 | 19.0 | 19.4 | 15.9 | 15.7 | 15.8 | - | --- | --- | 10.4 | 9.9 | 10.2 |
| 22 | 20.0 | 19.4 | 19.7 | 16.0 | 15.6 | 15.9 | - | --- | --- | 10.3 | 9.4 | 9.8 |
| 23 | 20.6 | 19.9 | 20.2 | 15.9 | 15.2 | 15.7 | --- | --- | --- | 10.3 | 10.1 | 10.2 |
| 24 | 20.9 | 20.4 | 20.6 | 15.8 | 15.5 | 15.6 | - | --- | --- | 11.9 | 10.1 | 10.8 |
| 25 | 21.4 | 20.8 | 21.0 | 16.0 | 15.5 | 15.7 | --- | --- | --- | 12.4 | 11.6 | 11.8 |
| 26 | --- | --- | --- | 16.4 | 16.0 | 16.2 | - | --- | --- | 12.1 | 11.3 | 11.7 |
| 27 | 21.3 | 17.9 | 19.1 | 16.6 | 16.3 | 16.4 | --- | -- | -- | 12.0 | 11.6 | 11.8 |
| 28 | 17.9 | 15.4 | 16.2 | 16.8 | 16.5 | 16.6 | --- | --- | --- | 11.9 | 11.8 | 11.9 |
| 29 | 15.4 | 14.4 | 14.9 | 17.3 | 16.7 | 16.9 | --- | --- | --- | 12.2 | 11.9 | 12.0 |
| 30 | --- | --- | --- | 19.0 | 17.1 | 18.0 | --- | --- | --- | 12.6 | 12.1 | 12.4 |
| 31 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 13.5 | 12.6 | 12.9 |
| MONTH | --- | --- | - | - | --- | --- | --- | --- | -- | -- | --- | --- |

0209318667 NEW RIVER AT CHANNEL LIGHT 50--Continued WATER TEMPERATURE DEGREES CELSIUS, BOTTOM, FOR PERIOD OCTOBER 2001 TO MARCH 2002

| DAY | MAX | MIN <br> FEBRUARY | MEAN | MAX | $\begin{array}{r} \text { MIN } \\ \text { MARCH } \end{array}$ | MEAN | MAX | MIN <br> APRIL | MEAN | MAX | $\begin{aligned} & \text { MIN } \\ & \text { MAY } \end{aligned}$ | MEAN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 17.6 | 13.2 | 14.7 | 11.3 | 10.4 | 10.8 | --- | -- | -- | -- | -- | --- |
| 2 | 16.6 | 15.0 | 15.8 | 11.2 | 9.6 | 10.5 | --- | --- | --- | --- | --- | --- |
| 3 | 15.6 | 14.5 | 14.8 | 12.8 | 10.9 | 11.9 | --- | --- | --- | --- | --- | --- |
| 4 | 14.6 | 11.6 | 13.5 | 12.6 | 11.8 | 12.2 | --- | --- | --- | --- | --- | --- |
| 5 | 11.6 | 9.4 | 10.0 | 11.9 | 10.9 | 11.5 | --- | --- | --- | --- | --- | --- |
| 6 | 10.0 | 9.6 | 9.7 | 12.3 | 11.3 | 11.8 | --- | --- | -- | - | - | --- |
| 7 | 10.0 | 9.4 | 9.8 | 12.2 | 11.7 | 12.0 | --- | --- | --- | --- | --- | --- |
| 8 | 9.9 | 9.4 | 9.7 | 12.4 | 11.8 | 12.1 | --- | --- | --- | --- | --- | --- |
| 9 | 10.2 | 9.6 | 9.9 | 13.2 | 12.2 | 12.5 | --- | --- | --- | --- | --- | --- |
| 10 | 10.4 | 10.0 | 10.2 | 14.1 | 12.9 | 13.3 | --- | --- | --- | -- | -- | --- |
| 11 | 11.8 | 10.3 | 10.9 | 14.5 | 13.5 | 14.2 | --- | --- | --- | --- | --- | --- |
| 12 | 11.6 | 11.3 | 11.4 | 15.0 | 14.4 | 14.8 | --- | --- | --- | --- | --- | --- |
| 13 | 11.7 | 11.4 | 11.5 | 14.9 | 14.5 | 14.7 | --- | --- | --- | --- | --- | --- |
| 14 | 11.5 | 11.4 | 11.5 | 14.9 | 14.5 | 14.6 | - | --- | -- | --- | --- | --- |
| 15 | 11.8 | 11.4 | 11.6 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | 11.6 | 11.4 | 11.5 | --- | --- | --- | --- | --- | --- | - | -- | --- |
| 17 | 11.8 | 11.0 | 11.5 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 18 | 11.0 | 9.8 | 10.3 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 19 | 11.1 | 10.1 | 10.4 | - | - | --- | - | --- | --- | --- | --- | --- |
| 20 | 11.6 | 10.4 | 11.0 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 21 | 12.1 | 11.5 | 11.7 | --- | - | --- | --- | --- | --- | --- | --- | --- |
| 22 | 12.6 | 11.9 | 12.3 | --- | - | --- | --- | --- | --- | --- | --- | --- |
| 23 | 12.5 | 11.6 | 12.2 | - | - | --- | --- | --- | --- | --- | -- | --- |
| 24 | 12.0 | 11.1 | 11.6 | --- | --- | --- | --- | --- | --- | --- | - | --- |
| 25 | 12.0 | 11.4 | 11.9 | --- | - | --- | --- | --- | --- | --- | --- | --- |
| 26 | 13.2 | 12.0 | 12.3 | - | --- | --- | --- | --- | -- | -- | -- | --- |
| 27 | 13.0 | 11.4 | 12.4 | --- | --- | --- | --- | --- | --- | --- | - | --- |
| 28 | 11.4 | 10.5 | 10.9 | --- | -- | --- | --- | --- | --- | --- | --- | --- |
| 29 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 30 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 31 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | - |
| MONTH | 17.6 | 9.4 | 11.6 | --- | --- | --- | --- | --- | --- | --- | --- | -- |

OXYGEN DISSOLVED (MG/L), TOP, FOR PERIOD OCTOBER 2001 TO MARCH 2002

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | OCTOBER |  |  | NOVEMBER |  |  | DECEMBER |  |  | JANUARY |  |  |
| 1 | 6.5 | 5.8 | 6.2 | --- | --- | --- | 7.8 | 6.9 | 7.5 | --- | --- | --- |
| 2 | 6.7 | 5.6 | 6.3 | --- | --- | --- | 8.0 | 7.1 | 7.5 | --- | --- | --- |
| 3 | 7.0 | 5.4 | 6.3 | --- | --- | --- | 8.4 | 6.3 | 7.3 | --- | --- | --- |
| 4 | 7.0 | 5.6 | 6.5 | --- | --- | --- | 8.9 | 6.8 | 8.0 | --- | --- | --- |
| 5 | 7.6 | 6.1 | 7.0 | --- | --- | --- | 9.2 | 8.1 | 8.6 | --- | --- | --- |
| 6 | 8.2 | 7.0 | 7.4 | --- | --- | --- | 9.2 | 8.2 | 8.7 | --- | --- |  |
| 7 | 8.1 | 6.9 | 7.6 | --- | --- | --- | 8.9 | 7.5 | 8.4 | --- | --- | --- |
| 8 | 8.1 | 7.3 | 7.8 | --- | --- | --- | 8.9 | 7.4 | 8.4 | --- | --- | --- |
| 9 | --- | --- | --- | --- | --- | --- | 8.4 | 7.3 | 8.0 | --- | --- | --- |
| 10 | 8.1 | 7.2 | 7.7 | --- | --- | --- | 8.3 | 7.4 | 7.8 | --- | --- | --- |
| 11 | 8.4 | 7.6 | 8.0 | --- | --- | --- | 7.9 | 7.4 | 7.6 | --- | --- | --- |
| 12 | 8.4 | 6.4 | 8.0 | --- | --- | --- | 8.1 | 7.2 | 7.7 | --- | --- | --- |
| 13 | 8.7 | 6.4 | 8.0 | --- | --- | --- | 8.7 | 6.8 | 7.9 | --- | --- | --- |
| 14 | 8.2 | 7.5 | 7.8 | --- | --- | --- | 8.7 | 7.0 | 8.3 | --- | --- | --- |
| 15 | 8.1 | 7.0 | 7.5 | --- | --- | --- | 8.4 | 7.1 | 7.9 | 10.6 | 10.1 | 10.4 |
| 16 | 8.1 | 6.7 | 7.7 | --- | --- | --- | --- | --- | --- | 10.5 | 10.0 | 10.2 |
| 17 | 8.2 | 7.1 | 7.6 | --- | --- | --- | --- | --- | --- | 10.4 | 9.9 | 10.2 |
| 18 | 8.7 | 7.6 | 8.0 | --- | --- | --- | --- | --- | --- | 10.4 | 9.7 | 10.1 |
| 19 | 8.7 | 7.6 | 8.1 | --- | --- | --- | --- | --- | --- | 10.4 | 9.5 | 10.0 |
| 20 | 8.4 | 7.5 | 7.9 | 9.4 | 8.5 | 8.9 | --- | --- | --- | 9.9 | 9.3 | 9.6 |
| 21 | 8.3 | 6.9 | 7.8 | 9.1 | 8.0 | 8.7 | --- | --- | --- | 9.9 | 9.6 | 9.8 |
| 22 | 8.1 | 7.5 | 7.8 | 9.6 | 8.6 | 9.0 | --- | --- | --- | 10.7 | 9.2 | 10.0 |
| 23 | -- | --- | --- | 9.9 | 9.4 | 9.6 | --- | --- | --- | 10.4 | 9.9 | 10.2 |
| 24 | - | --- | --- | 9.5 | 8.6 | 9.1 | --- | --- | --- | 9.9 | 9.4 | 9.7 |
| 25 | --- | - | --- | 8.9 | 8.4 | 8.7 | --- | --- | --- | 9.7 | 9.2 | 9.4 |
| 26 | - | - | --- | 9.3 | 8.2 | 8.7 | --- | --- | --- | 10.2 | 9.3 | 9.6 |
| 27 | --- | -- | --- | 9.3 | 8.3 | 8.8 | --- | --- | - | 10.6 | 9.0 | 9.9 |
| 28 | --- | - | - | 9.2 | 8.4 | 8.8 | -- | -- | -- | 10.9 | 9.7 | 10.3 |
| 29 | --- | - | --- | 8.8 | 7.6 | 8.4 | --- | --- | --- | 10.8 | 9.6 | 10.2 |
| 30 | --- | --- | --- | 8.4 | 7.8 | 8.1 | --- | -- | -- | 10.6 | 9.3 | 10.1 |
| 31 | --- | --- | --- | --- | --- | -- | - | - | --- | 10.1 | 9.2 | 9.7 |
| MONTH | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

0209318667 NEW RIVER AT CHANNEL LIGHT 50--Continued
OXYGEN DISSOLVED (MG/L), TOP, FOR PERIOD OCTOBER 2001 TO MARCH 2002

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | FEBRUARY |  |  | MARCH |  |  | APRIL |  |  | MAY |  |
| 1 | 9.5 | 8.4 | 9.0 | 9.6 | 8.7 | 9.3 | --- | --- | --- | --- | --- | - |
| 2 | 9.0 | 8.0 | 8.5 | 9.5 | 9.0 | 9.3 | --- | --- | --- | --- | - | --- |
| 3 | 9.2 | 8.2 | 8.7 | 9.0 | 8.3 | 8.6 | --- | --- | --- | --- | --- | --- |
| 4 | 9.1 | 8.1 | 8.7 | 8.8 | 7.9 | 8.4 | --- | --- | --- | - | - | --- |
| 5 | 9.9 | 8.7 | 9.1 | 10.2 | 8.0 | 9.0 | --- | - | -- | -- | -- | --- |
| 6 | 10.2 | 8.6 | 9.3 | 10.9 | 9.3 | 10.0 | --- | --- | -- | --- | - | --- |
| 7 | 9.8 | 9.1 | 9.5 | 12.1 | 10.0 | 10.9 | --- | --- | --- | --- | --- | --- |
| 8 | 10.1 | 9.0 | 9.7 | 12.9 | 10.0 | 11.8 | --- | -- | -- | - | --- | --- |
| 9 | 10.6 | 9.7 | 10.0 | 12.4 | 10.7 | 11.7 | -- | --- | --- | --- | - | --- |
| 10 | 10.7 | 9.7 | 10.2 | 11.6 | 9.9 | 10.5 | -- | -- | --- | -- | -- | --- |
| 11 | 10.4 | 9.7 | 10.1 | 10.2 | 9.2 | 9.8 | --- | --- | --- | --- | --- | --- |
| 12 | 10.9 | 9.5 | 10.0 | 10.1 | 8.5 | 9.6 | -- | --- | --- | --- | --- | --- |
| 13 | 11.3 | 9.8 | 10.5 | 10.4 | 7.8 | 9.1 | --- | --- | --- | -- | -- | --- |
| 14 | 10.9 | 10.0 | 10.5 | 9.9 | 7.6 | 8.8 | --- | --- | --- | - | -- | --- |
| 15 | 10.7 | 9.9 | 10.4 | - | . | . | -- | --- | -- | --- | --- | --- |
| 16 | 11.1 | 9.2 | 10.2 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 17 | 10.6 | 9.3 | 9.8 | - | - | --- | --- | --- | --- | --- | --- | --- |
| 18 | 9.9 | 9.2 | 9.6 | --- | -- | -- | - | --- | --- | --- | -- | --- |
| 19 | 10.4 | 9.4 | 9.9 | --- | --- | --- | --- | --- | --- | --- | -- | --- |
| 20 | 10.1 | 9.5 | 9.8 | -- | -- | -- | --- | --- | --- | -- | -- | --- |
| 21 | 9.8 | 9.0 | 9.5 | --- | - | --- | --- | --- | --- | --- | -- | --- |
| 22 | 9.9 | 9.1 | 9.6 | -- | -- | -- | --- | --- | --- | -- | - | --- |
| 23 | 9.6 | 8.9 | 9.3 | --- | --- | -- | -- | -- | -- | --- | - | --- |
| 24 | 9.7 | 8.4 | 9.1 | --- | --- | --- | -- | --- | --- | - | -- | --- |
| 25 | 10.2 | 8.9 | 9.6 | --- | --- | --- | --- | --- | --- | --- | --- | - |
| 26 | 10.0 | 9.2 | 9.7 | - | - | - | - | --- | - | -- | -- | --- |
| 27 | 9.3 | 8.5 | 8.9 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 28 | 9.6 | 8.5 | 9.1 | - | --- | --- | -- | --- | --- |  | - | --- |
| 29 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | - |
| 30 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 31 | --- | --- | --- | --- | --- | --- | --- | --- | --- | -- | -- | --- |
| MONTH | 11.3 | 8.0 | 9.6 | --- | --- | --- | --- | --- | --- | --- | --- | --- |

OXYGEN DISSOLVED (MG/L), BOTTOM, FOR PERIOD OCTOBER 2001 TO MARCH 2002

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | OCTOBER |  |  | NOVEMBER |  |  | EMBER |  |  | JANUARY |  |
| 1 | 7.2 | 5.7 | 6.4 | --- | --- | --- | 7.1 | 5.9 | 6.5 | -- | -- | - |
| 2 | 6.7 | 5.6 | 6.1 | --- | --- | --- | 6.4 | 5.3 | 5.9 | --- | --- | --- |
| 3 | 6.1 | 5.4 | 5.8 | --- | --- | --- | 7.5 | 6.1 | 6.9 | --- | --- | --- |
| 4 | --- | --- | --- | -- | --- | - | 7.1 | 5.5 | 6.0 | --- | --- | --- |
| 5 | --- | -- | - | --- | --- | - | 6.0 | 4.8 | 5.3 | -- | --- | --- |
| 6 | --- | --- | - | --- | - | --- | 5.8 | 4.4 | 5.1 | -- | --- | --- |
| 7 | -- | -- | - | --- | --- | --- | 5.6 | 4.1 | 4.8 | --- | --- | --- |
| 8 | -- | -- | --- | - | --- | --- | 5.6 | 4.3 | 4.7 | - | --- | --- |
| 9 | --- | --- | --- | --- | --- | --- | 7.6 | 3.7 | 4.5 | --- | -- | --- |
| 10 | 7.8 | 7.0 | 7.3 | --- | --- | --- | 7.7 | 3.5 | 4.7 | --- | - | --- |
| 11 | 8.0 | 6.8 | 7.4 | --- | - | --- | 7.6 | 3.7 | 6.9 | --- | -- | --- |
| 12 | 7.0 | 5.8 | 6.5 | --- | --- | --- | 7.7 | 5.0 | 6.9 | --- | --- | --- |
| 13 | 6.1 | 5.4 | 5.7 | --- | --- | --- | 6.4 | 5.6 | 5.9 | --- | -- | - |
| 14 | 7.4 | 4.4 | 5.9 | - | - | --- | 5.9 | 5.0 | 5.4 | --- | --- | --- |
| 15 | 7.0 | 4.8 | 6.0 | - | --- | --- | 7.0 | 4.2 | 4.9 | 10.9 | 10.2 | 10.6 |
| 16 | 6.2 | 4.6 | 5.1 | --- | --- | --- | --- | --- | --- | 11.4 | 10.4 | 10.8 |
| 17 | 6.6 | 4.1 | 5.7 | --- | --- | --- | --- | --- | --- | 11.2 | 10.1 | 10.7 |
| 18 | 5.8 | 3.9 | 4.8 | --- | --- | --- | - | -- | - | 10.9 | 10.2 | 10.5 |
| 19 | 7.1 | 3.8 | 5.4 | --- | --- | --- | --- | --- | -- | 10.5 | 9.6 | 10.1 |
| 20 | 6.3 | 3.7 | 4.7 | 8.4 | 6.9 | 7.5 | --- | --- | -- | 11.0 | 8.8 | 9.7 |
| 21 | 6.2 | 4.2 | 4.9 | 8.0 | 7.3 | 7.6 | --- | --- | --- | 10.1 | 7.6 | 8.7 |
| 22 | 6.3 | 4.7 | 5.2 | 7.9 | 6.6 | 7.2 | -- | -- | -- | 11.5 | 9.5 | 10.4 |
| 23 | 6.3 | 5.2 | 5.7 | 8.3 | 6.6 | 6.9 | -- | -- | --- | 10.6 | 9.7 | 10.1 |
| 24 | 5.8 | 4.8 | 5.2 | 8.0 | 6.3 | 6.8 | - | -- | - | 10.5 | 9.3 | 9.9 |
| 25 | 5.1 | 3.8 | 4.5 | 8.1 | 5.9 | 7.2 | --- | --- | --- | 10.2 | 9.0 | 9.6 |
| 26 | --- | --- | --- | 8.2 | 4.8 | 7.5 | --- | --- | - | 10.4 | 8.6 | 9.5 |
| 27 | 7.8 | 5.4 | 7.1 | 7.7 | 6.4 | 7.0 | --- | --- | --- | 10.1 | 9.0 | 9.7 |
| 28 | 8.6 | 7.6 | 8.1 | 7.2 | 5.9 | 6.5 | --- | - | --- | 10.1 | 8.6 | 9.4 |
| 29 | 8.7 | 8.1 | 8.4 | 6.6 | 5.4 | 5.9 | --- | --- | --- | 9.4 | 8.5 | 8.9 |
| 30 | --- | -- | -- | 7.7 | 4.8 | 6.3 | --- | --- | --- | 9.6 | 7.8 | 8.7 |
| 31 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 9.0 | 7.6 | 8.1 |
| MONTH | --- | --- | --- | --- | --- | --- | --- | --- | --- | -- | --- | --- |

0209318667 NEW RIVER AT CHANNEL LIGHT 50--Continued
OXYGEN DISSOLVED (MG/L), BOTTOM, FOR PERIOD OCTOBER 2001 TO MARCH 2002

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | FEBRUARY |  |  | MARCH |  |  | APRIL |  |  | MAY |  |
| 1 | 9.0 | 4.5 | 6.9 | 9.7 | 8.1 | 8.6 | --- | --- | --- | --- | --- | --- |
| 2 | 8.6 | 4.3 | 7.2 | 9.7 | 8.3 | 9.1 | --- | --- | --- | --- | --- | --- |
| 3 | 8.7 | 6.0 | 7.9 | 9.2 | 8.3 | 8.7 | --- | --- | --- | --- | --- | --- |
| 4 | 9.0 | 7.1 | 7.9 | 9.4 | 7.8 | 8.6 | --- | --- | --- | --- | --- | --- |
| 5 | 9.4 | 8.5 | 9.0 | 9.1 | 8.1 | 8.6 | --- | --- | --- | --- | --- | --- |
| 6 | 8.9 | 8.0 | 8.7 | 9.0 | 7.0 | 8.1 | --- | --- | --- | --- | --- | --- |
| 7 | 9.4 | 7.4 | 8.2 | 8.7 | 6.9 | 7.5 | --- | --- | --- | --- | --- | --- |
| 8 | 9.2 | 7.5 | 8.5 | 8.1 | 6.5 | 6.9 | -- | --- | --- | --- | --- | --- |
| 9 | 10.0 | 6.9 | 9.0 | 7.7 | 4.6 | 6.1 | --- | --- | --- | --- | --- | --- |
| 10 | 9.6 | 8.3 | 8.9 | 7.5 | 4.5 | 6.4 | --- | --- | --- | --- | --- | --- |
| 11 | 10.2 | 6.7 | 8.7 | 7.1 | 3.9 | 5.8 | --- | --- | --- | --- | --- | --- |
| 12 | 8.4 | 5.7 | 7.1 | 7.1 | 5.1 | 6.4 | -- | -- | -- | --- | -- | --- |
| 13 | 9.2 | 3.7 | 8.1 | 6.2 | 4.4 | 5.3 | --- | --- | --- | --- | --- | --- |
| 14 | 8.8 | 7.7 | 8.2 | 6.5 | 4.1 | 5.5 | --- | --- | --- | --- | --- | --- |
| 15 | 8.9 | 8.0 | 8.4 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | 8.7 | 6.4 | 7.7 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 17 | 9.3 | 6.6 | 8.0 | - | --- | --- | --- | --- | --- | --- | -- | --- |
| 18 | 9.8 | 8.7 | 9.4 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 19 | 10.0 | 8.1 | 9.2 | - | - | - | --- | --- | --- | - | --- | --- |
| 20 | 9.8 | 6.7 | 9.0 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 21 | 8.8 | 4.5 | 7.2 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 22 | 8.6 | 4.4 | 7.6 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 23 | 8.8 | 6.3 | 7.4 | - | --- | --- | --- | --- | --- | --- | - | --- |
| 24 | 8.9 | 5.9 | 7.9 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 25 | 8.8 | 4.6 | 6.8 | --- | --- | --- | --- | --- | --- | --- | --- | - |
| 26 | 8.3 | 5.6 | 7.2 | --- | --- | --- | --- | --- | --- | -- | -- | --- |
| 27 | 8.4 | 6.7 | 7.9 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 28 | 9.1 | 8.0 | 8.7 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 29 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 30 | -- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 31 | --- | --- | --- | --- | --- | --- | --- | -- | --- | -- | - | --- |
| MONTH | 10.2 | 3.7 | 8.1 | --- | --- | --- | --- | --- | --- | --- | --- | -- |

OXYGEN DISSOLVED (\% OF SATURATION), TOP, FOR PERIOD OCTOBER 2001 TO MARCH 2002

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | OCTOBER |  |  | NOVEMBER |  |  | EMBER |  |  | JANUARY |  |
| 1 | 72 | 62 | 67 | --- | --- | --- | 85 | 75 | 81 | - | --- | --- |
| 2 | 75 | 61 | 68 | --- | --- | --- | 88 | 76 | 81 | - | --- | --- |
| 3 | 78 | 59 | 70 | --- | --- | --- | 88 | 66 | 77 | --- | --- | --- |
| 4 | 79 | 63 | 73 | -- | --- | --- | 93 | 72 | 83 | --- | --- | --- |
| 5 | 86 | 68 | 79 | --- | --- | --- | 96 | 82 | 88 | -- | -- | --- |
| 6 | 96 | 80 | 85 | --- | --- | --- | 96 | 84 | 90 | --- | --- | --- |
| 7 | 92 | 77 | 86 | - | --- | - | 94 | 78 | 88 | --- | --- | - |
| 8 | 90 | 80 | 85 | --- | - | --- | 95 | 78 | 89 | --- | --- | --- |
| 9 | --- | --- | --- | --- | --- | --- | 89 | 78 | 84 | --- | --- | --- |
| 10 | 88 | 76 | 82 | - | --- | --- | 86 | 77 | 81 | --- | -- | - |
| 11 | 93 | 82 | 87 | --- | --- | --- | 81 | 76 | 78 | --- | --- | --- |
| 12 | 93 | 71 | 89 | -- | -- | - | 83 | 73 | 79 | --- | --- | --- |
| 13 | 97 | 71 | 89 | --- | --- | --- | 89 | 69 | 81 | --- | -- | --- |
| 14 | 93 | 86 | 89 | - | --- | --- | 90 | 72 | 86 | --- | --- | -- |
| 15 | 94 | 80 | 86 | --- | - - | --- | 87 | 74 | 82 | 93 | 87 | 89 |
| 16 | 92 | 77 | 87 | --- | --- | - | - | - | - | 91 | 85 | 88 |
| 17 | 91 | 79 | 85 | --- | - | --- | --- | --- | --- | 91 | 85 | 88 |
| 18 | 93 | 82 | 86 | --- | --- | --- | --- | --- | --- | 92 | 85 | 89 |
| 19 | 93 | 80 | 86 | --- | --- | --- | --- | --- | --- | 91 | 85 | 88 |
| 20 | 90 | 81 | 85 | 95 | 86 | 90 | --- | --- | --- | 88 | 82 | 85 |
| 21 | 92 | 75 | 85 | 90 | 78 | 86 | --- | --- | --- | 88 | 85 | 86 |
| 22 | 94 | 84 | 88 | 93 | 83 | 87 | --- | --- | -- | 94 | 81 | 88 |
| 23 | --- | --- | --- | 97 | 90 | 93 | --- | --- | --- | 92 | 88 | 90 |
| 24 | --- | --- | --- | 94 | 87 | 91 | --- | --- | --- | 91 | 87 | 89 |
| 25 | --- | --- | --- | 90 | 86 | 88 | --- | --- | --- | 91 | 86 | 89 |
| 26 | --- | --- | -- | 97 | 84 | 89 | --- | --- | --- | 95 | 85 | 89 |
| 27 | --- | --- | --- | 98 | 86 | 92 | --- | --- | --- | 101 | 84 | 92 |
| 28 | --- | --- | -- | 97 | 88 | 94 | --- | --- | -- | 106 | 91 | 97 |
| 29 | --- | --- | --- | 94 | 82 | 91 | --- | --- | --- | 107 | 89 | 97 |
| 30 | --- | --- | --- | 91 | 84 | 87 | --- | --- | --- | 105 | 89 | 101 |
| 31 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 103 | 94 | 98 |

0209318667 NEW RIVER AT CHANNEL LIGHT 50--Continued
OXYGEN DISSOLVED (\% OF SATURATION), TOP, FOR PERIOD OCTOBER 2001 TO MARCH 2002


OXYGEN DISSOLVED (\% OF SATURATION), BOTTOM, FOR PERIOD OCTOBER 2001 TO MARCH 2002


0209318667 NEW RIVER AT CHANNEL LIGHT 50--Continued
OXYGEN DISSOLVED (\% OF SATURATION), BOTTOM, FOR PERIOD OCTOBER 2001 TO MARCH 2002

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | FEBRUARY |  |  | MARCH |  |  | APRIL |  |  | MAY |  |  |
| 1 | 95 | 46 | 68 | 87 | 74 | 78 | --- | --- | --- | --- | --- | --- |
| 2 | 88 | 43 | 73 | 86 | 76 | 82 | --- | --- | --- | --- | --- | --- |
| 3 | 87 | 60 | 78 | 84 | 77 | 81 | --- | --- | --- | --- | --- | --- |
| 4 | 85 | 70 | 76 | 87 | 73 | 80 | --- | --- | --- | --- | --- | --- |
| 5 | 83 | 75 | 80 | 84 | 74 | 79 | --- | --- | --- | --- | --- | --- |
| 6 | 79 | 71 | 77 | 84 | 65 | 75 | --- | --- | --- | --- | --- | --- |
| 7 | 82 | 66 | 73 | 81 | 64 | 70 | --- | --- | --- | --- | --- | --- |
| 8 | 80 | 67 | 74 | 75 | 60 | 65 | --- | --- | --- | --- | --- | --- |
| 9 | 89 | 62 | 80 | 73 | 44 | 58 | --- | --- | --- | --- | --- | --- |
| 10 | 85 | 74 | 79 | 72 | 43 | 61 | --- | --- | --- | --- | --- | --- |
| 11 | 94 | 62 | 79 | 69 | 38 | 57 | --- | --- | --- | --- | --- | --- |
| 12 | 78 | 52 | 65 | 70 | 50 | 63 | --- | --- | --- | --- | --- | --- |
| 13 | 84 | 34 | 74 | 61 | 44 | 52 | --- | --- | --- | --- | --- | --- |
| 14 | 81 | 71 | 76 | 64 | 41 | 54 | - | -- | -- | --- | --- | --- |
| 15 | 82 | 73 | 78 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | 80 | 59 | 71 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 17 | 86 | 61 | 74 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 18 | 88 | 78 | 84 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 19 | 90 | 74 | 83 | --- | - | --- | --- | --- | - | --- | --- | --- |
| 20 | 88 | 60 | 82 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 21 | 81 | 41 | 67 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 22 | 81 | 41 | 71 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 23 | 82 | 59 | 69 | - | --- | --- | --- | --- | --- | --- | --- | --- |
| 24 | 83 | 55 | 73 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 25 | 81 | 43 | 63 | --- | --- | --- | --- | --- | --- | --- | --- | -- |
| 26 | 79 | 52 | 67 | --- | --- | --- | --- | --- | --- | --- | -- | --- |
| 27 | 79 | 64 | 74 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 28 | 83 | 73 | 79 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 29 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 30 | --- | --- | -- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 31 | --- | --- | --- | - | -- | --- | --- | - | -- | - | -- | -- |
| MONTH | 95 | 34 | 75 | -- | --- | --- | --- | --- | --- | --- | --- | --- |

