LOCATION.--Lat $35^{\circ} 06^{\prime} 33^{\prime \prime}$, long 77 $0{ }^{\circ} 01^{\prime} 59 "$, Craven County, Hydrologic Unit 03020204, at U.S. Coast Guard Channel Marker 38. DRAINAGE AREA. $-4,470 \mathrm{mi}^{2}$.

PERIOD OF RECORD.-- Water years 1957-67, 1996 to current year.
PERIOD OF DAILY RECORD.--
SALINITY (TOP AND BOTTOM) : June 1996 to current year.
pH (TOP AND BOTTOM) : June 1996 to current year.
WATER TEMPERATURE (TOP AND BOTTOM) : June 1996 to current year.
DISSOLVED OXYGEN (TOP AND BOTTOM) : June 1996 to current year.
DISSOLVED OXYGEN, PERCENT SATURATION, (TOP AND BOTTOM): June 1996 to current year.
INSTRUMENTATION.-- Water-quality monitor with satellite telemetry from June 1996 to current year.
REMARKS.--Station operated in cooperation with the North Carolina Department of Environment and Natural Resources. The monitor was relocated from the U.S. Highway 17 bridge at New Bern to channel marker 38 on August 5, 1999. Channel marker 38 is approximately 500 yards upstream of the bridge. Top constituents were monitored at 8 feet above the streambed, and bottom constituents, 2 feet 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 only as <10\%. Daily records of salinity and water temperature for October 1956 to September 1967 are available in the files of the District Office in Raleigh, NC.

EXTREMES FOR PERIOD OF DAILY RECORD.--

| CONSTITUENT | MAXIMUM RECORDED | MINIMUM RECORDED |
| :---: | :---: | :---: |
| SALINITY (TOP), ppt | 21.1, August 15, 2001 | <0.1, on many days during the period |
| SALINITY (BOTOM), ppt | 19.2, August 15, 2000 | <0.1, on many days during the period |
| pH (TOP), standard units | 9.9, June 6, 7, 1999 | 5.7, September 29, 30, 1999, October 9, 14, 15, 1999 |
| pH (BOTTOM), standard units | 9.7, July 10, 11, 1997 | 4.9, October 13, 15-17, 1999 |
| WATER TEMPERATURE (TOP), ${ }^{\circ} \mathrm{C}$ | 33.4, August 1, 1999 | 1.0, January 29, 2000 |
| WATER TEMPERATURE (BOTTOM), ${ }^{\circ} \mathrm{C}$ | 31.2, August 10, 2001 | 1.1, January 29, 2000 |
| DISSOLVED OXYGEN (TOP), mg/L | 17.4, December 19, 1997 | <1.0, on many days during the period |
| DISSOLVED OXYGEN (BOTTOM), mg/L | 16.1, January 8, 1998 | <1.0, on many days during the period |

EXTREMES FOR CURRENT YEAR.--

| CONSTITUENT | MAXIMUM RECORDED | MINIMUM RECORDED |
| :---: | :---: | :---: |
| SALINITY (TOP), ppt | 21.1, August 15 | <0.1, on many days during the year |
| SALINITY (BOTTOM), ppt | 18.0, August 16 | <0.1, on many days during the year |
| pH (TOP), standard units | 8.9, May 6, July 31 | 6.1, October 3 |
| pH (BOTTOM), standard units | 8.4, May 7 | 6.0, October 5, 6, March 28, 31 |
| WATER TEMPERATURE (TOP), ${ }^{\circ} \mathrm{C}$ | 32.7, June 27 | 4.6, January 11 |
| WATER TEMPERATURE (BOTTOM), ${ }^{\circ} \mathrm{C}$ | 31.2, August 10 | 3.1, December 31, January 1 |
| DISSOLVED OXYGEN (TOP), mg/L | 16.9, January 15 | <1.0, on several days during the year |
| DISSOLVED OXYGEN (BOTTOM), mg/L | 12.5, January 11 | <1.0, on many days during the year |
| DISSOLVED OXYGEN, PERCENT SATURATION (TOP),\% | 155, July 31 | $<10$, on several days during the year |
| DISSOLVED OXYGEN, PERCENT SATURATION (BOTTOM),\% | 116, May 7 | <10, on many days during the year |

02092162 NEUSE RIVER AT NEW BERN, NC--Continued
SALINITY (PARTS PER THOUSAND), TOP, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | OCTOBER |  |  | NOVEMBER |  | DECEMBER |  |  |  |  | JANUARY |  |
| 1 | . 81 | . 34 | . 52 | 4.2 | 2.8 | 3.3 | 3.8 | . 98 | 1.7 | --- | --- |  |
| 2 | . 86 | . 27 | . 58 | 4.0 | 2.4 | 2.8 | 4.4 | . 45 | 1.2 | --- | --- | --- |
| 3 | 1.1 | . 20 | . 48 | -- | --- | --- | 4.1 | 1.0 | 2.8 | --- | --- | --- |
| 4 | . 26 | . 05 | . 12 | 6.1 | 3.2 | 5.0 | 2.3 | 1.0 | 1.8 | --- | --- | --- |
| 5 | . 08 | . 04 | . 05 | 5.6 | 2.2 | 3.8 | 2.7 | . 84 | 1.4 | --- | --- | --- |
| 6 | . 05 | . 04 | . 04 | 6.4 | 3.5 | 4.9 | - | --- | --- | --- | --- | --- |
| 7 | . 20 | . 04 | . 12 | 6.0 | 4.3 | 5.1 | - | - | - | --- | --- | --- |
| 8 | . 88 | . 16 | . 44 | 5.8 | 3.2 | 4.0 | --- | --- | --- | --- | --- | --- |
| 9 | 1.3 | . 33 | . 72 | 5.3 | . 87 | 3.6 | --- | --- | --- | --- | --- | --- |
| 10 | 1.0 | . 33 | . 63 | 4.3 | . 75 | 2.1 | --- | --- | --- | --- | --- | --- |
| 11 | . 60 | . 16 | . 33 | 4.8 | . 87 | 3.3 | --- | --- | --- | --- | --- | --- |
| 12 | 3.0 | . 14 | . 32 | 3.7 | 2.7 | 3.0 | --- | --- | --- | 4.4 | 1.3 | 2.2 |
| 13 | 6.7 | . 19 | 1.8 | 6.0 | 2.4 | 3.9 | --- | --- | --- | 4.5 | 2.3 | 3.0 |
| 14 | 6.4 | 1.9 | 4.4 | 4.1 | 2.3 | 2.9 | --- | --- | --- | 6.5 | 2.5 | 4.0 |
| 15 | 6.6 | . 71 | 3.8 | 4.0 | 2.5 | 3.3 | -- | - | -- | 6.7 | 1.6 | 3.1 |
| 16 | 6.7 | 1.1 | 5.6 | 5.5 | 2.6 | 3.7 | --- | --- | --- | 6.2 | 1.8 | 2.3 |
| 17 | 6.6 | 1.8 | 5.6 | 5.4 | 2.2 | 3.1 | --- | --- | --- | 6.5 | 2.0 | 2.5 |
| 18 | 6.9 | 2.8 | 4.5 | 7.2 | 2.9 | 4.4 | --- | --- | --- | 6.6 | 2.1 | 2.7 |
| 19 | 6.7 | 3.2 | 4.2 | 5.7 | 3.1 | 3.9 | --- | --- | --- | 7.3 | 2.2 | 3.9 |
| 20 | 7.7 | 4.8 | 6.3 | 6.5 | 3.0 | 5.0 | -- | -- | -- | 3.8 | 2.6 | 3.2 |
| 21 | 7.6 | 3.3 | 6.2 | 5.3 | 2.7 | 4.0 | --- | --- | --- | 3.8 | 1.0 | 2.5 |
| 22 | 8.2 | 1.9 | 4.1 | 5.6 | 4.0 | 4.7 | --- | --- | --- | 2.0 | . 84 | 1.0 |
| 23 | 8.9 | 1.6 | 5.3 | 6.6 | 2.2 | 3.5 | --- | --- | --- | 3.6 | 1.1 | 2.5 |
| 24 | 6.6 | 4.2 | 5.3 | 8.4 | 1.2 | 3.2 | --- | --- | --- | 4.1 | 2.7 | 3.4 |
| 25 | 6.7 | 2.8 | 4.8 | 8.3 | 1.3 | 4.4 | --- | --- | --- | -- | -- | -- |
| 26 | 5.6 | 3.6 | 4.2 | 5.6 | 2.3 | 3.7 | --- | --- | --- | --- | --- | --- |
| 27 | 5.3 | 3.4 | 3.9 | 7.0 | 1.7 | 3.2 | --- | --- | --- | 3.7 | 2.1 | 2.7 |
| 28 | 5.5 | 4.3 | 4.9 | 7.2 | 1.5 | 2.8 | --- | - | - | 2.2 | 1.0 | 1.4 |
| 29 | 5.4 | 4.8 | 5.0 | 5.2 | 1.3 | 3.3 | --- | --- | --- | 2.1 | . 76 | 1.4 |
| 30 | 5.1 | 4.0 | 4.7 | 2.9 | . 90 | 2.0 | --- | --- | --- | 2.0 | . 73 | 1.3 |
| 31 | 4.9 | 4.0 | 4.5 | --- | --- | --- | --- | --- | --- | 1.7 | 1.2 | 1.5 |
| MONTH | 8.9 | . 04 | 3.0 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
|  |  | FEBRUAR |  |  | MARCH |  |  | APRIL |  |  | MAY |  |
| 1 | 1.5 | . 48 | . 96 | . 26 | . 07 | . 14 | . 04 | . 04 | . 04 | . 08 | . 05 | . 06 |
| 2 | 1.7 | . 39 | . 78 | . 21 | . 06 | . 09 | . 05 | . 04 | . 04 | . 06 | . 05 | . 06 |
| 3 | 2.3 | 1.4 | 1.9 | . 14 | . 08 | . 11 | . 05 | . 04 | . 04 | . 07 | . 05 | . 06 |
| 4 | 2.1 | 1.7 | 1.9 | 1.8 | . 10 | . 43 | . 04 | . 04 | . 04 | . 07 | . 06 | . 06 |
| 5 | 3.5 | 1.3 | 2.5 | 2.4 | . 44 | 1.1 | . 04 | . 04 | . 04 | . 08 | . 06 | . 07 |
| 6 | 3.1 | 1.3 | 2.1 | 2.5 | . 36 | 1.4 | . 04 | . 04 | . 04 | 3.2 | . 07 | 1.0 |
| 7 | 2.3 | . 95 | 1.6 | 2.5 | . 64 | 1.7 | . 05 | . 04 | . 04 | 2.6 | . 48 | 1.2 |
| 8 | 2.9 | . 82 | 1.3 | . 94 | . 35 | . 45 | . 04 | . 04 | . 04 | 1.6 | . 33 | . 61 |
| 9 | 1.8 | . 55 | . 94 | . 70 | . 36 | . 50 | . 04 | . 03 | . 04 | 1.7 | . 41 | . 74 |
| 10 | 1.2 | . 61 | . 82 | . 91 | . 34 | . 55 | . 04 | . 04 | . 04 | 1.8 | . 54 | . 80 |
| 11 | 1.3 | . 48 | . 82 | . 44 | . 19 | . 31 | . 04 | . 04 | . 04 | 1.1 | . 56 | . 82 |
| 12 | . 78 | . 28 | . 53 | . 34 | . 16 | . 25 | . 04 | . 04 | . 04 | 1.2 | . 43 | . 78 |
| 13 | 1.9 | . 34 | 1.1 | . 47 | . 18 | . 33 | . 05 | . 04 | . 04 | 1.6 | . 53 | 1.1 |
| 14 | 2.6 | . 50 | 1.5 | . 31 | . 09 | . 21 | . 04 | . 04 | . 04 | 2.9 | . 42 | . 95 |
| 15 | 2.0 | . 62 | 1.0 | . 25 | . 06 | . 15 | . 05 | . 04 | . 04 | 2.9 | . 88 | 1.3 |
| 16 | 1.4 | . 53 | . 84 | . 36 | . 08 | . 17 | 2.7 | . 05 | . 43 | 5.0 | . 67 | 1.3 |
| 17 | 2.8 | . 56 | 1.5 | . 30 | . 06 | . 10 | 3.0 | . 20 | . 66 | 2.6 | 1.2 | 1.6 |
| 18 | 2.3 | . 76 | 1.2 | . 80 | . 24 | . 48 | . 48 | . 06 | . 16 | 2.2 | . 80 | 1.3 |
| 19 | 2.3 | . 47 | . 79 | . 45 | . 22 | . 33 | . 32 | . 05 | . 12 | 2.1 | . 74 | 1.2 |
| 20 | . 77 | . 36 | . 53 | 2.6 | . 36 | 1.2 | . 07 | . 05 | . 06 | 3.0 | 1.0 | 1.5 |
| 21 | . 72 | . 28 | . 46 | 2.9 | . 10 | . 98 | . 05 | . 05 | . 05 | 1.8 | 1.2 | 1.4 |
| 22 | 2.7 | . 54 | 1.4 | . 17 | . 08 | . 11 | . 06 | . 05 | . 05 | 1.6 | . 73 | 1.2 |
| 23 | 1.9 | . 28 | . 86 | . 25 | . 07 | . 14 | . 06 | . 05 | . 05 | 2.3 | . 78 | 1.5 |
| 24 | . 71 | . 23 | . 39 | . 08 | . 04 | . 06 | . 06 | . 05 | . 05 | 2.4 | . 70 | 1.1 |
| 25 | . 53 | . 16 | . 33 | . 18 | . 04 | . 06 | . 14 | . 05 | . 06 | 1.5 | . 60 | 1.1 |
| 26 | 1.0 | . 10 | . 34 | . 07 | . 04 | . 05 | . 06 | . 05 | . 05 | 1.6 | . 58 | . 98 |
| 27 | . 48 | . 08 | . 18 | . 06 | . 04 | . 04 | . 06 | . 05 | . 05 | 1.6 | . 18 | . 70 |
| 28 | . 71 | . 06 | . 20 | . 04 | . 04 | . 04 | . 86 | . 05 | . 19 | . 57 | . 18 | . 35 |
| 29 | -- | --- | --- | . 04 | . 04 | . 04 | . 44 | . 06 | . 09 | . 59 | . 11 | . 33 |
| 30 | --- | --- | --- | . 05 | . 04 | . 04 | . 09 | . 06 | . 07 | 4.9 | . 20 | . 63 |
| 31 | --- | --- | --- | . 04 | . 04 | . 04 | --- | --- | --- | 6.8 | 1.4 | 2.2 |
| MONTH | 3.5 | . 06 | 1.0 | 2.9 | . 04 | . 37 | 3.0 | . 03 | . 09 | 6.8 | . 05 | . 90 |

SALINITY (PARTS PER THOUSAND), TOP, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | JUNE |  |  | JULY |  |  | AUGUST |  |  | SEPTEMBER |  |  |
| 1 | 1.4 | . 55 | 1.1 | . 39 | . 14 | . 29 | 9.1 | . 74 | 2.6 | 15.1 | 1.3 | 6.8 |
| 2 | . 90 | . 38 | . 67 | 3.4 | . 12 | 1.0 | 3.8 | . 83 | 1.8 | 15.3 | 9.2 | 12.8 |
| 3 | . 48 | . 14 | . 34 | --- | --- | --- | 2.8 | . 47 | . 97 | --- | --- | --- |
| 4 | . 74 | . 16 | . 37 | --- | --- | --- | . 71 | . 11 | . 32 | 9.6 | 2.6 | 7.1 |
| 5 | . 59 | . 15 | . 35 | --- | --- | --- | . 28 | . 06 | . 13 | 13.6 | 1.7 | 7.2 |
| 6 | . 75 | . 14 | . 30 | 4.4 | . 41 | . 98 | . 10 | . 06 | . 07 | 12.2 | 2.2 | 7.1 |
| 7 | . 44 | . 15 | . 28 | 1.8 | . 68 | . 94 | . 11 | . 05 | . 07 | 9.3 | 3.1 | 5.6 |
| 8 | . 63 | . 18 | . 37 | 1.3 | . 26 | . 53 | . 09 | . 06 | . 07 | 5.1 | 3.4 | 3.8 |
| 9 | 3.1 | . 41 | 1.0 | 1.6 | . 20 | . 38 | . 38 | . 07 | . 17 | --- | --- | --- |
| 10 | 2.2 | . 35 | . 74 | 1.6 | . 26 | . 71 | . 17 | . 07 | . 09 | 3.8 | 1.9 | 2.5 |
| 11 | . 64 | . 31 | . 42 | . 46 | . 28 | . 38 | . 26 | . 07 | . 16 | 3.6 | 1.0 | 1.5 |
| 12 | . 60 | . 27 | . 45 | 4.0 | . 28 | . 99 | . 29 | . 09 | . 17 | --- | -- | --- |
| 13 | . 74 | . 42 | . 56 | 1.0 | . 52 | . 68 | . 46 | . 08 | . 25 | 9.0 | 2.4 | 5.8 |
| 14 | 2.4 | . 73 | 1.5 | 1.2 | . 63 | . 86 | . 44 | . 11 | . 24 | 7.3 | 1.8 | 4.3 |
| 15 | 1.4 | . 19 | . 61 | 3.2 | . 67 | 1.2 | 21.1 | . 21 | 4.8 | 7.2 | 4.8 | 5.8 |
| 16 | . 32 | . 07 | . 17 | 2.1 | . 72 | 1.1 | 17.3 | 2.7 | 7.9 | 7.6 | 6.4 | 7.0 |
| 17 | . 28 | . 10 | . 18 | 1.2 | . 82 | . 94 | 3.7 | 1.1 | 1.7 | 6.8 | 4.0 | 6.1 |
| 18 | . 33 | . 10 | . 19 | 1.3 | . 57 | . 89 | 1.3 | . 70 | . 95 | 7.5 | 5.9 | 6.6 |
| 19 | . 78 | . 15 | . 33 | --- | - | --- | 1.2 | . 61 | . 84 | 7.7 | 4.8 | 6.1 |
| 20 | . 29 | . 09 | . 17 | --- | --- | --- | . 78 | . 31 | . 51 | 6.2 | 3.9 | 4.5 |
| 21 | . 19 | . 05 | . 09 | --- | --- | --- | . 47 | . 11 | . 27 | 5.0 | 2.9 | 3.8 |
| 22 | . 08 | . 04 | . 05 | --- | --- | --- | 2.7 | . 14 | . 57 | 6.6 | 2.5 | 4.0 |
| 23 | . 06 | . 04 | . 05 | --- | --- | --- | 1.9 | . 44 | . 84 | 8.3 | 2.5 | 5.1 |
| 24 | . 05 | . 04 | . 05 | --- | --- | --- | . 83 | . 22 | . 48 | 5.0 | 2.3 | 3.4 |
| 25 | . 06 | . 04 | . 04 | --- | --- | --- | 16.7 | . 23 | 5.0 | 3.7 | 2.5 | 3.0 |
| 26 | . 10 | . 04 | . 05 | --- | --- | --- | 17.3 | 1.9 | 8.2 | 5.1 | 2.6 | 3.6 |
| 27 | . 05 | . 04 | . 04 | 5.1 | 1.6 | 2.9 | 9.6 | 1.8 | 4.4 | --- | --- | --- |
| 28 | . 06 | . 04 | . 05 | 3.9 | 2.1 | 2.8 | 2.4 | . 88 | 1.6 | 7.7 | 3.3 | 4.9 |
| 29 | . 36 | . 05 | . 08 | 5.5 | 1.9 | 3.3 | 1.9 | . 82 | 1.1 | 6.6 | 5.5 | 6.0 |
| 30 | . 46 | . 09 | . 18 | 2.9 | 1.1 | 2.2 | --- | --- | --- | 7.2 | 5.7 | 6.6 |
| 31 | --- | --- | --- | 6.7 | . 90 | 2.1 | --- | --- | -- | --- | --- | -- |
| MONTH | 3.1 | . 04 | . 36 | --- | --- | --- | --- | --- | --- | --- | --- | --- |

SALINITY (PARTS PER THOUSAND), BOTTOM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | OCTOBER |  |  | NOVEMBER |  |  | DECEMBER |  |  | JANUARY |  |  |
| 1 | 10.2 | 7.8 | 9.5 | 5.0 | 4.5 | 4.8 | 7.0 | 6.1 | 6.5 | 7.5 | 3.1 | 6.3 |
| 2 | 9.8 | . 93 | 6.1 | 5.8 | 4.8 | 5.1 | 7.0 | 5.9 | 6.5 | 7.8 | 5.8 | 7.3 |
| 3 | 7.0 | . 41 | 2.0 | --- | --- | --- | 6.8 | 2.1 | 4.4 | 7.6 | 5.6 | 7.1 |
| 4 | . 69 | . 09 | . 27 | 6.4 | 5.9 | 6.1 | 3.8 | 1.7 | 2.7 | 7.2 | 6.0 | 6.6 |
| 5 | . 14 | . 04 | . 07 | 6.6 | 5.9 | 6.3 | 4.1 | 2.9 | 3.5 | 7.2 | 2.9 | 6.0 |
| 6 | . 28 | . 04 | . 05 | 6.6 | 6.2 | 6.4 | --- | --- | -- | 8.0 | 4.6 | 6.1 |
| 7 | 5.6 | . 06 | 2.9 | 6.5 | 5.4 | 6.2 | --- | --- | --- | 9.3 | 6.8 | 8.4 |
| 8 | 5.9 | . 61 | 3.2 | 6.5 | 5.8 | 6.2 | --- | --- | --- | 10.3 | 8.9 | 9.7 |
| 9 | 5.3 | . 60 | 1.4 | 6.4 | 4.0 | 5.7 | --- | --- | --- | 11.8 | 10.0 | 11.0 |
| 10 | 1.9 | . 75 | 1.2 | 4.8 | 3.3 | 4.1 | --- | --- | - | 11.7 | 8.5 | 10.5 |
| 11 | 6.2 | . 50 | 3.1 | 5.1 | 4.3 | 4.8 | --- | --- | -- | 10.6 | 8.1 | 9.5 |
| 12 | 6.9 | 5.7 | 6.5 | 6.6 | 3.7 | 5.4 | --- | --- | --- | 11.1 | 9.2 | 10.4 |
| 13 | 7.0 | 6.7 | 6.8 | 7.2 | 4.4 | 6.3 | --- | --- | --- | 12.2 | 10.2 | 11.5 |
| 14 | 6.8 | 6.7 | 6.8 | 7.5 | 5.3 | 6.4 | --- | --- | --- | --- | --- | --- |
| 15 | 6.7 | 6.7 | 6.7 | 9.8 | 6.6 | 8.6 | --- | --- | --- | 11.2 | 9.7 | 10.7 |
| 16 | 6.7 | 6.6 | 6.7 | 9.7 | 8.1 | 9.0 | --- | --- | --- | 11.8 | 9.7 | 11.1 |
| 17 | 6.7 | 6.5 | 6.6 | 9.0 | 6.6 | 8.2 | --- | --- | -- | 11.8 | 11.3 | 11.6 |
| 18 | 7.9 | 3.5 | 6.8 | 9.0 | 6.0 | 7.9 | --- | --- | -- | 11.7 | 11.0 | 11.4 |
| 19 | 9.2 | 7.7 | 8.4 | 9.1 | 7.4 | 8.3 | --- | --- | --- | 11.5 | 4.4 | 9.7 |
| 20 | 9.2 | 8.3 | 8.9 | 9.1 | 5.7 | 7.0 | --- | --- | --- | 5.7 | 3.1 | 4.1 |
| 21 | 9.3 | 8.7 | 9.2 | 7.6 | 4.9 | 6.4 | --- | --- | -- | 7.4 | 2.7 | 5.0 |
| 22 | 9.6 | 8.6 | 9.1 | 7.9 | 5.6 | 6.6 | 6.0 | 2.7 | 4.7 | 9.3 | 6.9 | 8.3 |
| 23 | 9.4 | 6.1 | 8.3 | 8.7 | 6.3 | 7.5 | 3.7 | 1.5 | 3.2 | 10.0 | 7.9 | 9.5 |
| 24 | 9.0 | 7.6 | 8.6 | 8.8 | 8.2 | 8.5 | 4.2 | 3.6 | 4.0 | 9.8 | 7.0 | 9.1 |
| 25 | 8.9 | 7.2 | 8.2 | 8.8 | 4.2 | 7.9 | 4.5 | 1.6 | 2.6 | , | - | --- |
| 26 | 8.6 | 6.8 | 7.9 | 7.4 | 5.3 | 6.4 | 4.1 | . 97 | 2.3 | --- | --- | --- |
| 27 | 8.0 | 4.7 | 6.4 | 7.5 | 6.4 | 7.1 | 5.9 | 3.8 | 5.1 | 7.5 | 3.9 | 5.5 |
| 28 | 6.9 | 5.0 | 6.1 | 7.5 | 6.6 | 7.2 | 7.3 | 4.4 | 6.3 | 8.7 | 7.5 | 8.1 |
| 29 | 5.4 | 4.8 | 5.1 | 7.4 | 4.7 | 6.9 | 7.4 | 5.3 | 6.7 | 10.1 | 8.5 | 9.4 |
| 30 | 5.3 | 4.7 | 5.0 | 7.1 | 4.7 | 6.2 | 7.2 | 5.9 | 6.9 | 9.9 | 1.2 | 5.1 |
| 31 | 5.1 | 4.2 | 4.8 | --- | --- | --- | 7.1 | 3.1 | 5.5 | 5.0 | 1.3 | 2.5 |
| MONTH | 10.2 | . 04 | 5.6 | --- | --- | --- | --- | --- | --- | --- | --- | --- |

02092162 NEUSE RIVER AT NEW BERN, NC--Continued
SALINITY (PARTS PER THOUSAND), BOTTOM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | FEBRUARY |  |  | MARCH |  |  | APRIL |  |  | MAY |  |  |
| 1 | 8.2 | 3.8 | 6.2 | 3.3 | . 14 | 1.1 | . 04 | . 03 | . 04 | . 10 | . 05 | . 06 |
| 2 | 9.1 | 7.5 | 8.3 | 4.6 | 1.4 | 3.0 | . 05 | . 03 | . 04 | . 10 | . 05 | . 06 |
| 3 | 9.6 | 8.8 | 9.3 | 5.7 | 4.1 | 5.1 | . 05 | . 03 | . 04 | . 20 | . 05 | . 07 |
| 4 | 9.4 | 8.5 | 9.2 | 6.2 | 4.7 | 5.7 | . 04 | . 03 | . 04 | . 14 | . 06 | . 07 |
| 5 | 9.3 | 7.2 | 8.5 | 5.4 | 1.8 | 3.5 | . 04 | . 03 | . 04 | . 37 | . 06 | . 08 |
| 6 | 8.8 | 7.1 | 8.3 | 2.9 | . 87 | 2.0 | . 04 | . 03 | . 04 | 4.3 | . 10 | 2.0 |
| 7 | 8.7 | 5.9 | 7.9 | 5.8 | 1.8 | 3.8 | . 05 | . 03 | . 04 | 3.8 | . 54 | 1.6 |
| 8 | 8.1 | 3.5 | 6.3 | 5.9 | 3.4 | 5.3 | . 04 | . 03 | . 04 | 4.1 | . 92 | 2.6 |
| 9 | 7.2 | 1.5 | 4.2 | 5.2 | 1.7 | 3.5 | . 03 | . 03 | . 03 | 4.0 | 1.3 | 2.4 |
| 10 | 3.4 | . 85 | 1.6 | 5.1 | 2.3 | 4.5 | . 04 | . 03 | . 03 | 5.2 | 1.6 | 2.9 |
| 11 | 5.9 | 1.8 | 4.0 | 5.1 | 4.2 | 4.7 | . 04 | . 03 | . 03 | 3.0 | . 66 | 1.8 |
| 12 | 6.5 | 3.8 | 5.6 | 7.5 | 2.2 | 5.8 | . 04 | . 03 | . 04 | 1.3 | . 50 | . 99 |
| 13 | 7.2 | 3.9 | 5.9 | 4.8 | . 21 | . 47 | . 05 | . 04 | . 04 | 2.6 | . 68 | 1.4 |
| 14 | 7.1 | 3.9 | 6.0 | 1.5 | . 23 | . 68 | . 04 | . 04 | . 04 | 4.8 | . 96 | 2.6 |
| 15 | 7.6 | 3.4 | 5.7 | 1.6 | . 06 | . 60 | . 04 | . 04 | . 04 | 4.8 | 1.6 | 3.2 |
| 16 | 8.0 | 2.9 | 6.5 | . 76 | . 10 | . 33 | 5.0 | . 04 | 1.6 | 5.9 | 4.1 | 5.2 |
| 17 | 4.9 | 1.1 | 3.3 | 3.0 | . 09 | . 87 | 4.5 | . 28 | 1.0 | 5.7 | 4.1 | 5.1 |
| 18 | 6.3 | 2.4 | 4.7 | 3.3 | . 48 | 1.5 | . 63 | . 05 | . 24 | 5.9 | 2.6 | 5.1 |
| 19 | 7.0 | 3.2 | 5.3 | 5.1 | 2.1 | 3.9 | . 43 | . 06 | . 17 | 5.3 | 3.4 | 4.1 |
| 20 | 5.6 | 2.5 | 4.4 | . | , |  | . 07 | . 05 | . 05 | 5.5 | 2.0 | 4.6 |
| 21 | 8.1 | 2.5 | 5.7 | --- | --- | --- | . 05 | . 05 | . 05 | 4.5 | 1.3 | 2.6 |
| 22 | 8.1 | 2.1 | 5.9 | --- | --- | --- | . 06 | . 05 | . 05 | 2.0 | . 91 | 1.6 |
| 23 | 4.0 | 2.2 | 3.2 | --- | --- | --- | . 06 | . 05 | . 05 | 2.5 | 1.1 | 1.8 |
| 24 | 5.0 | 3.6 | 4.2 | --- | --- | --- | . 05 | . 05 | . 05 | 3.6 | 1.6 | 2.8 |
| 25 | 4.4 | . 24 | 2.1 | --- | --- | - | . 14 | . 05 | . 06 | 2.7 | 1.2 | 1.9 |
| 26 | 1.3 | . 21 | . 85 | --- | --- | --- | . 06 | . 05 | . 05 | 1.9 | 1.1 | 1.5 |
| 27 | 1.5 | . 08 | . 54 | --- | --- | --- | . 06 | . 05 | . 05 | 2.1 | . 19 | 1.2 |
| 28 | 1.7 | . 12 | . 56 | . 04 | . 03 | . 04 | 5.1 | . 05 | . 90 | 1.1 | . 18 | . 76 |
| 29 |  | --- | , | . 04 | . 03 | . 03 | 2.7 | . 08 | . 45 | 3.7 | . 59 | 1.9 |
| 30 | - | --- | --- | . 04 | . 03 | . 04 | . 12 | . 06 | . 08 | 7.5 | 2.8 | 4.8 |
| 31 | --- | --- | --- | . 04 | . 03 | . 04 | --- | --- | --- | 8.6 | 5.8 | 7.7 |
| MONTH | 9.6 | . 08 | 5.2 | - | --- | --- | 5.1 | . 03 | . 18 | 8.6 | . 05 | 2.4 |
| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
|  | JUNE |  |  | JULY |  |  | AUGUST |  |  | SEPTEMBER |  |  |
| 1 | 7.8 | . 85 | 4.4 | 3.8 | . 32 | 1.4 | 10.0 | 8.3 | 9.5 | 15.3 | 14.1 | 14.9 |
| 2 | 2.6 | . 67 | 1.6 | 8.3 | . 30 | 3.6 | 9.3 | 5.4 | 8.2 | 15.4 | 14.9 | 15.2 |
| 3 | 5.8 | . 40 | 2.4 | --- | --- | --- | 7.7 | 1.8 | 5.8 | 15.1 | 14.7 | 14.8 |
| 4 | 7.4 | . 73 | 5.2 | --- | --- | --- | 4.3 | . 18 | 2.6 | 14.8 | 14.1 | 14.6 |
| 5 | 3.6 | . 33 | 1.3 | --- | --- | --- | 4.0 | . 07 | . 79 | 15.7 | 14.4 | 15.1 |
| 6 | 4.8 | . 40 | 2.1 | 7.1 | 1.5 | 4.5 | 3.6 | . 07 | . 39 | 15.7 | 13.5 | 14.5 |
| 7 | 6.5 | 2.0 | 4.1 | 7.1 | 3.8 | 5.6 | 3.3 | . 06 | . 53 | 14.7 | 10.6 | 13.6 |
| 8 | 8.0 | 6.2 | 7.3 | 5.2 | 1.3 | 3.7 | 5.6 | . 06 | . 66 | 13.8 | 9.5 | 12.1 |
| 9 | 9.9 | 8.0 | 9.2 | 8.5 | 3.9 | 7.1 | 3.6 | . 07 | . 55 | --- | --- | -- |
| 10 | 10.2 | 7.5 | 9.5 | 8.4 | 3.5 | 7.0 | . 24 | . 08 | . 13 | 7.6 | 3.4 | 6.0 |
| 11 | 9.0 | . 90 | 6.3 | 7.4 | 1.9 | 5.1 | . 57 | . 08 | . 20 | 11.3 | 5.0 | 8.7 |
| 12 | 7.4 | . 53 | 2.8 | 7.7 | 5.9 | 7.2 | . 32 | . 09 | . 22 | --- | --- | --- |
| 13 | 9.1 | . 44 | 4.7 | 7.6 | 6.0 | 7.1 | . 61 | . 08 | . 37 | 10.8 | 9.7 | 10.4 |
| 14 | 2.4 | . 72 | 1.7 | 8.2 | 5.9 | 7.7 | 12.3 | . 17 | 5.4 | 10.9 | 6.8 | 9.5 |
| 15 | 1.7 | . 39 | . 76 | 8.1 | 6.1 | 7.5 | 17.6 | 12.3 | 15.1 | 8.3 | 5.6 | 7.4 |
| 16 | 4.4 | . 32 | 1.9 | 7.6 | 6.6 | 7.3 | 18.0 | 15.3 | 17.4 | 7.5 | 6.5 | 7.0 |
| 17 | 6.8 | 3.0 | 5.5 | 7.5 | 3.0 | 6.5 | 16.9 | 10.5 | 15.8 | 7.0 | 6.1 | 6.6 |
| 18 | 9.9 | 6.8 | 8.6 | 6.8 | 1.0 | 5.4 | 15.7 | 1.2 | 8.3 | 8.4 | 7.0 | 7.5 |
| 19 | 9.9 | 4.0 | 8.5 | --- | --- | --- | 12.2 | 1.9 | 7.6 | 9.5 | 5.6 | 8.4 |
| 20 | 7.7 | . 25 | 3.1 | --- | --- | --- | 1.9 | . 41 | . 98 | 8.8 | 5.9 | 7.6 |
| 21 | 1.3 | . 06 | . 22 | - | --- | --- | 16.5 | . 64 | 11.7 | 8.5 | 5.8 | 7.3 |
| 22 | . 11 | . 04 | . 06 | --- | --- | -- | 17.4 | 15.3 | 16.7 | 10.2 | 7.0 | 9.1 |
| 23 | . 05 | . 04 | . 04 | - | --- | --- | 16.8 | 9.0 | 14.6 | 10.4 | 8.8 | 9.7 |
| 24 | . 05 | . 04 | . 05 | --- | --- | --- | 16.9 | 2.9 | 11.2 | 9.9 | 4.1 | 7.7 |
| 25 | . 07 | . 04 | . 05 | --- | --- | --- | 17.5 | 16.5 | 17.0 | 9.6 | 5.4 | 7.4 |
| 26 | . 12 | . 04 | . 05 | --- | -- | -- | 17.6 | 16.9 | 17.2 | 11.3 | 9.6 | 10.5 |
| 27 | . 08 | . 04 | . 05 | 5.7 | 2.4 | 3.9 | 17.2 | 10.9 | 16.4 | --- | --- | -- |
| 28 | . 84 | . 04 | . 22 | 6.8 | 3.2 | 5.3 | 16.3 | 5.9 | 14.0 | 14.9 | 12.8 | 14.0 |
| 29 | 8.5 | . 09 | 5.1 | 8.3 | 3.5 | 6.2 | 15.1 | 7.6 | 13.4 | 14.9 | 14.1 | 14.6 |
| 30 | 9.0 | 2.2 | 7.3 | 9.1 | 3.2 | 6.2 | --- | -- | -- | 14.8 | 10.7 | 12.0 |
| 31 | --- | --- | --- | 9.7 | 8.1 | 9.1 | 15.3 | 12.7 | 14.5 | --- | --- | --- |
| MONTH | 10.2 | . 04 | 3.5 | --- | --- | -- | -- | -- | -- | -- | -- | --- |

02092162 NEUSE RIVER AT NEW BERN, NC--Continued
PH, WATER, WHOLE, FIELD, STANDARD UNITS, TOP, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | OCTOBER |  |  | NOVEMBER |  | DECEMBER |  |  |  | JANUARY |  |  |
| 1 | 6.6 | 6.3 | 6.4 | 7.9 | 7.4 | 7.7 | 7.5 | 7.1 | 7.3 | -- | -- | --- |
| 2 | 6.6 | 6.3 | 6.4 | 7.7 | 7.1 | 7.5 | 7.5 | 6.8 | 7.0 | --- | --- | --- |
| 3 | 6.4 | 6.1 | 6.3 | --- | --- | --- | 7.5 | 7.2 | 7.4 | --- | --- | --- |
| 4 | 6.3 | 6.2 | 6.2 | 7.5 | 6.9 | 7.1 | 7.5 | 7.1 | 7.3 | --- | --- | --- |
| 5 | 6.4 | 6.3 | 6.3 | 7.6 | 6.9 | 7.3 | 7.3 | 7.1 | 7.2 | --- | --- | --- |
| 6 | 6.4 | 6.3 | 6.4 | 7.5 | 7.1 | 7.3 | - | - | - | --- | --- | --- |
| 7 | 6.5 | 6.4 | 6.4 | 7.4 | 6.9 | 7.1 | --- | --- | --- | --- | --- | --- |
| 8 | 6.7 | 6.4 | 6.5 | 7.6 | 6.9 | 7.3 | --- | --- | --- | --- | --- | --- |
| 9 | 6.7 | 6.4 | 6.6 | 7.6 | 6.7 | 7.0 | --- | --- | --- | --- | --- | --- |
| 10 | 6.8 | 6.6 | 6.7 | 7.3 | 6.8 | 7.1 | --- | --- | --- | --- | --- | --- |
| 11 | 6.9 | 6.6 | 6.7 | 7.4 | 7.1 | 7.2 | --- | --- | --- | --- | --- | --- |
| 12 | 6.8 | 6.6 | 6.7 | 7.3 | 7.2 | 7.2 | --- | --- | --- | --- | --- | --- |
| 13 | 6.8 | 6.6 | 6.8 | 7.3 | 7.0 | 7.2 | --- | --- | --- | --- | --- | --- |
| 14 | 6.9 | 6.7 | 6.8 | 7.2 | 7.0 | 7.1 | --- | --- | --- | --- | --- | --- |
| 15 | 6.9 | 6.7 | 6.8 | 7.2 | 7.1 | 7.1 | --- | --- | --- | --- | --- | --- |
| 16 | 7.0 | 6.7 | 6.8 | 7.5 | 7.0 | 7.1 | --- | --- | --- | --- | --- | --- |
| 17 | 7.0 | 6.7 | 6.8 | 7.4 | 7.1 | 7.2 | --- | -- | --- | --- | --- | --- |
| 18 | 7.1 | 6.8 | 7.0 | 7.4 | 7.1 | 7.3 | - | --- | --- | --- | --- | --- |
| 19 | 7.1 | 6.9 | 7.0 | 7.5 | 7.2 | 7.4 | --- | --- | --- | --- | --- | --- |
| 20 | 7.1 | 6.8 | 6.9 | 7.7 | 7.3 | 7.4 | --- | --- | --- | --- | --- | -- |
| 21 | 7.2 | 6.8 | 7.0 | 7.7 | 7.4 | 7.5 | --- | --- | --- | --- | --- | --- |
| 22 | 7.4 | 6.9 | 7.2 | 7.7 | 7.5 | 7.7 | - | --- | --- | --- | --- | --- |
| 23 | 7.5 | 6.9 | 7.2 | 7.9 | 7.5 | 7.6 | --- | --- | --- | --- | --- | --- |
| 24 | 7.4 | 7.1 | 7.2 | 7.6 | 7.3 | 7.5 | --- | --- | --- | --- | --- | --- |
| 25 | 7.9 | 7.1 | 7.2 | 7.8 | 7.3 | 7.5 | - | -- | -- | --- | -- | -- |
| 26 | 7.4 | 7.1 | 7.3 | 7.7 | 7.4 | 7.6 | --- | --- | --- | --- | --- | --- |
| 27 | 7.4 | 7.0 | 7.2 | 7.7 | 7.3 | 7.5 | --- | --- | --- | --- | --- | --- |
| 28 | 7.7 | 7.1 | 7.4 | 7.7 | 7.2 | 7.4 | --- | --- | --- | --- | --- | --- |
| 29 | 8.0 | 7.3 | 7.6 | 7.7 | 7.2 | 7.4 | --- | --- | --- | --- | --- | --- |
| 30 | 8.1 | 7.3 | 7.7 | 7.5 | 7.1 | 7.3 | --- | --- | --- | --- | --- | --- |
| 31 | 8.0 | 7.4 | 7.7 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MONTH | 8.1 | 6.1 | 6.9 | - | -- | - | --- | --- | --- | --- | --- | --- |
| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
|  |  | FEBRUARY |  |  | ARCH |  |  | RIL |  |  | MAY |  |
| 1 | --- | --- | --- | 7.1 | 6.9 | 7.0 | 6.8 | 6.6 | 6.6 | 7.1 | 7.0 | 7.0 |
| 2 | --- | --- | --- | 7.0 | 6.9 | 6.9 | 6.9 | 6.7 | 6.8 | 7.2 | 7.0 | 7.1 |
| 3 | --- | --- | --- | 7.0 | 6.9 | 6.9 | 6.8 | 6.7 | 6.7 | 7.4 | 7.0 | 7.1 |
| 4 | --- | --- | --- | 7.1 | 6.9 | 7.0 | 6.8 | 6.6 | 6.7 | 8.6 | 6.8 | 7.2 |
| 5 | - | - | - | 7.1 | 6.9 | 7.0 | 6.8 | 6.7 | 6.7 | 8.5 | 6.9 | 7.4 |
| 6 | --- | --- | --- | 7.4 | 7.1 | 7.3 | 6.8 | 6.7 | 6.8 | 8.9 | 7.1 | 7.8 |
| 7 | --- | --- | --- | 7.5 | 7.3 | 7.4 | 6.9 | 6.6 | 6.8 | 8.8 | 7.5 | 7.9 |
| 8 | --- | --- | --- | 7.4 | 7.1 | 7.2 | 6.7 | 6.6 | 6.6 | 7.9 | 7.1 | 7.4 |
| 9 | --- | --- | --- | 7.2 | 7.0 | 7.1 | 6.6 | 6.5 | 6.6 | 7.9 | 6.8 | 7.2 |
| 10 | --- | --- | - | 7.1 | 6.9 | 7.1 | 6.7 | 6.5 | 6.6 | 7.2 | 6.7 | 6.9 |
| 11 | --- | --- | --- | 7.1 | 6.9 | 7.0 | 6.7 | 6.6 | 6.6 | 7.3 | 6.7 | 6.9 |
| 12 | 7.4 | 7.2 | 7.3 | 7.0 | 6.9 | 7.0 | 6.6 | 6.5 | 6.6 | 7.1 | 6.7 | 6.8 |
| 13 | 7.3 | 7.1 | 7.2 | 7.2 | 6.9 | 7.1 | 6.8 | 6.6 | 6.7 | 7.6 | 6.8 | 7.2 |
| 14 | 7.2 | 7.1 | 7.2 | 7.2 | 7.1 | 7.2 | 6.7 | 6.6 | 6.6 | 8.0 | 6.9 | 7.3 |
| 15 | 7.2 | 7.1 | 7.2 | 7.2 | 7.0 | 7.1 | 6.7 | 6.6 | 6.6 | 7.5 | 6.9 | 7.2 |
| 16 | 7.3 | 7.1 | 7.2 | 7.2 | 7.0 | 7.1 | 6.9 | 6.7 | 6.8 | 7.4 | 6.6 | 7.0 |
| 17 | 7.3 | 7.1 | 7.3 | 7.2 | 7.0 | 7.1 | 6.9 | 6.7 | 6.8 | 7.3 | 6.9 | 7.1 |
| 18 | 7.4 | 7.2 | 7.3 | 7.2 | 7.1 | 7.1 | 7.0 | 6.8 | 6.9 | 7.0 | 6.8 | 6.9 |
| 19 | 7.3 | 7.2 | 7.2 | 7.2 | 7.1 | 7.1 | 7.1 | 6.8 | 6.9 | 7.3 | 6.9 | 7.1 |
| 20 | 7.2 | 7.1 | 7.1 | --- | --- | --- | 7.0 | 6.8 | 6.9 | 7.9 | 6.9 | 7.3 |
| 21 | 7.2 | 7.1 | 7.2 | --- | --- | --- | 7.0 | 6.9 | 6.9 | 7.1 | 6.8 | 7.0 |
| 22 | 7.3 | 7.1 | 7.2 | -- | --- | -- | 7.0 | 6.8 | 6.9 | 7.3 | 6.9 | 7.0 |
| 23 | 7.3 | 7.0 | 7.1 | -- | --- | -- | 7.0 | 6.9 | 6.9 | 7.3 | 6.8 | 7.0 |
| 24 | 7.1 | 6.9 | 7.0 | --- | --- | --- | 7.1 | 6.9 | 7.0 | 7.4 | 6.7 | 7.1 |
| 25 | 7.1 | 6.9 | 7.0 | --- | --- | --- | 7.2 | 7.0 | 7.1 | 7.3 | 6.8 | 7.0 |
| 26 | 7.2 | 7.0 | 7.1 | -- | -- | - | 7.2 | 7.0 | 7.1 | 7.1 | 7.0 | 7.0 |
| 27 | 7.1 | 7.0 | 7.0 | --- | --- | --- | 7.2 | 6.8 | 7.0 | 7.2 | 6.7 | 7.0 |
| 28 | 7.1 | 6.9 | 7.0 | 6.7 | 6.5 | 6.6 | 7.5 | 6.9 | 7.1 | 7.2 | 7.0 | 7.1 |
| 29 |  | --- | --- | 6.7 | 6.5 | 6.6 | 7.4 | 7.1 | 7.1 | 7.3 | 7.0 | 7.1 |
| 30 | --- | --- | --- | 6.9 | 6.6 | 6.7 | 7.2 | 7.0 | 7.1 | 7.2 | 6.5 | 7.1 |
| 31 | --- | --- | --- | 6.7 | 6.5 | 6.6 | --- | --- | --- | 7.3 | 6.4 | 7.0 |
| MONTH | --- | --- | --- | --- | --- | --- | 7.5 | 6.5 | 6.8 | 8.9 | 6.4 | 7.1 |

02092162 NEUSE RIVER AT NEW BERN, NC--Continued
PH, WATER, WHOLE, FIELD, STANDARD UNITS, TOP, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | JUNE |  |  | JLY |  |  | GUST |  |  | TEMB |  |
| 1 | 7.2 | 7.1 | 7.1 | 7.4 | 6.8 | 7.0 | 8.0 | 6.7 | 7.2 | 7.5 | 6.8 | 7.1 |
| 2 | 7.3 | 7.0 | 7.1 | 7.2 | 6.9 | 7.1 | 7.9 | 6.8 | 7.1 | 7.6 | 7.1 | 7.3 |
| 3 | 7.1 | 6.9 | 7.0 | - | --- | --- | 7.5 | 6.8 | 7.0 | --- | --- | --- |
| 4 | 7.4 | 7.0 | 7.2 | --- | --- | --- | 7.4 | 6.7 | 6.9 | 7.3 | 7.0 | 7.1 |
| 5 | 7.3 | 6.9 | 7.1 | - | --- | --- | 7.0 | 6.8 | 6.9 | 7.5 | 7.0 | 7.2 |
| 6 | 7.1 | 6.9 | 7.0 | 7.8 | 6.7 | 7.2 | 7.1 | 6.7 | 6.9 | 7.3 | 6.5 | 6.9 |
| 7 | 7.2 | 6.9 | 7.0 | 8.4 | 7.0 | 7.5 | 6.8 | 6.6 | 6.7 | 7.0 | 6.6 | 6.8 |
| 8 | 7.1 | 6.8 | 6.9 | 7.7 | 7.0 | 7.2 | 7.1 | 6.6 | 6.8 | 7.3 | 6.7 | 7.0 |
| 9 | 6.9 | 6.5 | 6.7 | 7.2 | 6.8 | 7.1 | 7.1 | 6.7 | 6.9 | --- | --- | --- |
| 10 | 6.8 | 6.5 | 6.7 | 7.4 | 6.8 | 7.1 | 7.5 | 6.8 | 7.0 | 7.2 | 6.8 | 7.0 |
| 11 | 7.0 | 6.7 | 6.8 | 7.8 | 7.1 | 7.3 | 7.7 | 6.8 | 7.2 | 7.6 | 6.9 | 7.2 |
| 12 | 7.0 | 6.6 | 6.8 | 7.3 | 6.7 | 7.1 | 7.7 | 6.8 | 7.2 | --- | --- | --- |
| 13 | 7.2 | 6.7 | 7.0 | 7.3 | 6.8 | 7.0 | 7.3 | 6.9 | 7.1 | 7.4 | 6.6 | 6.9 |
| 14 | 7.4 | 7.0 | 7.1 | 7.1 | 6.8 | 6.9 | 7.2 | 6.9 | 7.0 | 7.3 | 6.6 | 6.9 |
| 15 | 7.2 | 6.7 | 6.9 | 7.2 | 6.8 | 6.9 | 7.1 | 6.8 | 6.9 | 7.4 | 6.9 | 7.2 |
| 16 | 6.9 | 6.7 | 6.8 | 7.2 | 6.8 | 7.0 | 6.9 | 6.6 | 6.7 | 7.8 | 7.0 | 7.3 |
| 17 | 6.9 | 6.6 | 6.8 | 8.0 | 7.0 | 7.3 | 6.9 | 6.6 | 6.7 | 7.2 | 6.8 | 6.9 |
| 18 | 6.8 | 6.5 | 6.7 | 8.3 | 7.0 | 7.3 | 6.8 | 6.6 | 6.7 | 7.0 | 6.6 | 6.8 |
| 19 | 6.8 | 6.4 | 6.6 | --- | -- | -- | 6.8 | 6.6 | 6.7 | 7.1 | 6.6 | 6.7 |
| 20 | 6.6 | 6.4 | 6.5 | --- | - | --- | 6.8 | 6.6 | 6.6 | 7.6 | 6.6 | 6.9 |
| 21 | 6.7 | 6.5 | 6.6 | --- | --- | --- | 6.7 | 6.6 | 6.6 | 7.5 | 6.6 | 6.8 |
| 22 | 6.7 | 6.5 | 6.6 | --- | --- | --- | 6.7 | 6.4 | 6.5 | 6.9 | 6.6 | 6.7 |
| 23 | 6.7 | 6.6 | 6.6 | - | --- | --- | 6.5 | 6.2 | 6.4 | 6.9 | 6.7 | 6.8 |
| 24 | 6.7 | 6.6 | 6.6 | --- | --- | --- | 6.4 | 6.2 | 6.3 | 7.9 | 6.8 | 7.1 |
| 25 | 6.8 | 6.6 | 6.7 | --- | --- | --- | 7.1 | 6.3 | 6.6 | 7.7 | 7.0 | 7.3 |
| 26 | 6.9 | 6.6 | 6.8 | --- | --- | -- | 7.3 | 6.6 | 6.9 | 7.4 | 7.1 | 7.2 |
| 27 | 6.8 | 6.5 | 6.6 | 8.1 | 7.0 | 7.5 | 6.8 | 6.3 | 6.5 | --- | --- | --- |
| 28 | 6.8 | 6.6 | 6.7 | 8.6 | 7.2 | 7.8 | 6.8 | 6.6 | 6.7 | 7.6 | 7.2 | 7.4 |
| 29 | 6.9 | 6.6 | 6.7 | 8.4 | 6.8 | 7.3 | 6.8 | 6.6 | 6.7 | 8.0 | 7.3 | 7.6 |
| 30 | 6.9 | 6.7 | 6.8 | 7.9 | 7.1 | 7.5 | --- | --- | -- | 8.6 | 7.7 | 8.0 |
| 31 | --- | --- | --- | 8.9 | 6.8 | 7.5 | --- | --- | --- | --- | --- | --- |
| MONTH | 7.4 | 6.4 | 6.8 | --- | --- | --- | --- | --- | --- | -- | --- | --- |

PH, WATER, WHOLE, FIELD, STANDARD UNITS, BOTTOM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001


02092162 NEUSE RIVER AT NEW BERN, NC--Continued
PH, WATER, WHOLE, FIELD, STANDARD UNITS, BOTTOM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | FEBRUARY |  |  | MARCH |  |  | APRIL |  |  | MAY |  |  |
| 1 | 7.4 | 6.9 | 7.0 | 7.1 | 6.7 | 7.0 | 6.3 | 6.1 | 6.1 | 6.9 | 6.8 | 6.9 |
| 2 | 7.0 | 6.9 | 6.9 | 7.1 | 7.0 | 7.0 | 6.4 | 6.2 | 6.3 | 7.2 | 6.9 | 6.9 |
| 3 | 7.3 | 6.9 | 7.2 | 7.2 | 7.0 | 7.1 | 6.4 | 6.2 | 6.2 | 7.0 | 6.8 | 6.9 |
| 4 | 7.2 | 7.0 | 7.1 | 7.2 | 7.0 | 7.1 | 6.4 | 6.2 | 6.3 | 7.2 | 6.7 | 6.9 |
| 5 | 7.2 | 7.0 | 7.0 | 7.2 | 7.0 | 7.1 | 6.3 | 6.2 | 6.3 | 7.1 | 6.8 | 6.9 |
| 6 | 7.0 | 6.8 | 6.9 | 7.4 | 7.2 | 7.3 | 6.4 | 6.2 | 6.3 | 7.9 | 6.7 | 7.2 |
| 7 | 7.1 | 6.8 | 6.9 | 7.5 | 7.4 | 7.4 | 6.4 | 6.2 | 6.3 | 8.4 | 6.9 | 7.6 |
| 8 | 7.2 | 6.8 | 6.9 | 7.4 | 7.3 | 7.4 | 6.3 | 6.1 | 6.2 | 7.7 | 6.8 | 7.0 |
| 9 | 7.1 | 6.8 | 7.0 | 7.4 | 7.2 | 7.3 | 6.2 | 6.1 | 6.1 | 7.2 | 6.6 | 6.9 |
| 10 | 7.9 | 7.0 | 7.4 | 7.4 | 7.3 | 7.4 | 6.4 | 6.1 | 6.2 | 6.8 | 6.6 | 6.7 |
| 11 | 7.4 | 7.0 | 7.2 | 7.4 | 7.3 | 7.3 | 6.4 | 6.2 | 6.3 | 7.5 | 6.6 | 6.9 |
| 12 | 7.2 | 7.1 | 7.1 | 7.3 | 7.0 | 7.3 | 6.4 | 6.2 | 6.3 | 7.3 | 6.8 | 7.1 |
| 13 | 7.3 | 7.1 | 7.2 | 7.1 | 6.7 | 6.7 | 6.6 | 6.4 | 6.5 | 7.8 | 6.8 | 7.2 |
| 14 | 7.3 | 7.1 | 7.2 | 7.1 | 6.7 | 6.9 | 6.6 | 6.4 | 6.5 | 7.4 | 6.7 | 6.9 |
| 15 | 7.3 | 7.1 | 7.2 | 7.1 | 6.4 | 6.7 | 6.6 | 6.4 | 6.5 | 7.4 | 6.6 | 6.8 |
| 16 | 7.3 | 7.1 | 7.2 | 7.0 | 6.6 | 6.8 | 7.2 | 6.6 | 6.9 | 6.7 | 6.4 | 6.5 |
| 17 | 7.5 | 7.1 | 7.4 | 7.2 | 6.5 | 6.9 | 7.2 | 6.9 | 7.1 | 6.6 | 6.4 | 6.5 |
| 18 | 7.5 | 7.3 | 7.4 | 7.2 | 6.9 | 7.1 | 7.3 | 6.9 | 7.1 | 6.7 | 6.4 | 6.5 |
| 19 | 7.4 | 7.1 | 7.3 | 7.2 | 7.1 | 7.2 | 7.2 | 6.8 | 7.0 | 6.6 | 6.4 | 6.5 |
| 20 | 7.3 | 7.2 | 7.2 | --- | --- |  | 6.9 | 6.7 | 6.8 | 6.8 | 6.3 | 6.4 |
| 21 | 7.2 | 7.1 | 7.1 | --- | --- | --- | 6.8 | 6.8 | 6.8 | 7.2 | 6.4 | 6.7 |
| 22 | 7.4 | 7.2 | 7.2 | --- | --- | --- | 6.8 | 6.7 | 6.8 | 7.4 | 6.8 | 7.1 |
| 23 | 7.4 | 7.3 | 7.4 | --- | --- | --- | 6.8 | 6.7 | 6.7 | 7.3 | 6.9 | 7.1 |
| 24 | 7.4 | 7.2 | 7.3 | --- | --- | --- | 6.9 | 6.7 | 6.8 | 7.1 | 6.6 | 6.8 |
| 25 | 7.2 | 6.9 | 7.1 | --- | --- | --- | 7.2 | 6.8 | 7.0 | 7.3 | 6.6 | 7.0 |
| 26 | 7.2 | 6.9 | 7.1 | --- | --- | --- | 7.2 | 6.9 | 7.0 | 7.2 | 6.8 | 7.1 |
| 27 | 7.2 | 6.7 | 7.0 | --- | --- | --- | 7.1 | 6.7 | 6.8 | 7.2 | 6.7 | 6.9 |
| 28 | 7.2 | 6.7 | 7.0 | 6.2 | 6.0 | 6.1 | 7.2 | 6.7 | 6.8 | 7.2 | 6.9 | 7.0 |
| 29 | , | --- | --- | 6.3 | 6.1 | 6.2 | 7.2 | 6.8 | 7.0 | 7.1 | 6.5 | 6.8 |
| 30 | --- | - | --- | 6.3 | 6.1 | 6.2 | 7.0 | 6.8 | 6.9 | 6.6 | 6.5 | 6.5 |
| 31 | -- | -- | - | 6.2 | 6.0 | 6.1 | -- | -- | -- | 6.6 | 6.4 | 6.6 |
| MONTH | 7.9 | 6.7 | 7.1 | --- | --- | --- | 7.3 | 6.1 | 6.6 | 8.4 | 6.3 | 6.9 |
| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
|  | JUNE |  |  | JULY |  |  | AUGUST |  |  | SEPTEMBER |  |  |
| 1 | 7.3 | 6.5 | 6.8 | 6.8 | 6.3 | 6.5 | 6.8 | 6.7 | 6.8 | 7.1 | 7.1 | 7.1 |
| 2 | 7.2 | 6.8 | 7.0 | 6.9 | 6.5 | 6.6 | 6.8 | 6.7 | 6.8 | 7.3 | 7.1 | 7.2 |
| 3 | 7.2 | 6.8 | 6.9 | --- | --- | --- | 6.8 | 6.7 | 6.7 | 7.3 | 7.2 | 7.2 |
| 4 | 7.4 | 6.7 | 6.9 | --- | --- | --- | 6.9 | 6.6 | 6.7 | 7.3 | 7.2 | 7.3 |
| 5 | 7.5 | 6.7 | 7.1 | --- | --- | --- | 6.9 | 6.6 | 6.8 | 7.3 | 7.2 | 7.2 |
|  | 7.2 | 6.6 |  | 7.1 | 6.6 | 6.7 | 6.9 | 6.3 |  | 7.2 | 7.1 | 7.2 |
| 7 | 6.9 | 6.6 | 6.7 | 6.9 | 6.6 | 6.7 | 6.8 | 6.3 | 6.5 | 7.2 | 6.9 | 7.1 |
| 8 | 6.7 | 6.6 | 6.6 | 6.8 | 6.6 | 6.7 | 6.8 | 6.2 | 6.5 | 7.3 | 6.9 | 7.1 |
| 9 | 6.8 | 6.7 | 6.8 | 6.8 | 6.6 | 6.7 | 6.8 | 6.2 | 6.5 | -- | -- | -- |
| 10 | 6.9 | 6.7 | 6.8 | 6.8 | 6.7 | 6.7 | 7.2 | 6.5 | 6.8 | 7.1 | 6.9 | 7.0 |
| 11 | 6.8 | 6.7 | 6.7 | 6.8 | 6.6 | 6.7 | 7.7 | 6.7 | 6.9 | 7.3 | 6.9 | 7.1 |
| 12 | 7.0 | 6.6 | 6.8 | 6.8 | 6.5 | 6.7 | 7.6 | 6.7 | 7.1 | -- | -- | - |
| 13 | 7.3 | 6.7 | 6.9 | 6.8 | 6.6 | 6.7 | 7.2 | 6.9 | 7.1 | 7.4 | 6.9 | 7.2 |
| 14 | 7.3 | 6.8 | 7.1 | 6.9 | 6.7 | 6.8 | 7.3 | 6.8 | 7.1 | 7.5 | 6.9 | 7.1 |
| 15 | 7.1 | 6.6 | 6.8 | 6.8 | 6.7 | 6.7 | 7.4 | 7.1 | 7.3 | 7.7 | 7.0 | 7.4 |
| 16 | 6.7 | 6.5 | 6.6 | 6.8 | 6.7 | 6.7 | 7.2 | 7.2 | 7.2 | 8.0 | 7.2 | 7.5 |
| 17 | 6.7 | 6.5 | 6.6 | 6.8 | 6.6 | 6.7 | 7.2 | 6.9 | 7.2 | 7.4 | 7.1 | 7.2 |
| 18 | 6.7 | 6.5 | 6.6 | 7.6 | 6.6 | 6.7 | 7.2 | 6.7 | 6.9 | 7.1 | 6.9 | 7.0 |
| 19 | 6.8 | 6.5 | 6.6 | --- | -- | -- | 7.0 | 6.7 | 6.8 | 6.9 | 6.8 | 6.9 |
| 20 | 6.6 | 6.5 | 6.6 | --- | -- | -- | 6.8 | 6.7 | 6.7 | 7.0 | 6.8 | 6.9 |
| 21 | 6.7 | 6.4 | 6.6 | - | --- | --- | 7.6 | 6.7 | 7.1 | 7.0 | 6.8 | 6.9 |
| 22 | 6.8 | 6.6 | 6.7 | --- | --- | --- | 7.6 | 7.4 | 7.5 | 7.1 | 6.9 | 7.0 |
| 23 | 6.8 | 6.7 | 6.8 | --- | --- | --- | 7.4 | 6.8 | 7.2 | 7.2 | 6.9 | 7.1 |
| 24 | 6.8 | 6.7 | 6.8 | - | --- | --- | 7.2 | 6.5 | 6.9 | 7.4 | 6.8 | 7.2 |
| 25 | 6.8 | 6.7 | 6.8 | --- | --- | --- | 7.2 | 7.1 | 7.1 | 7.1 | 6.8 | 7.0 |
| 26 | 6.8 | 6.2 | 6.6 | --- | --- | --- | 7.1 | 7.0 | 7.1 | 7.4 | 7.0 | 7.2 |
| 27 | 6.4 | 6.3 | 6.3 | 7.7 | 6.8 | 7.1 | 7.3 | 6.9 | 7.2 | --- | --- | --- |
| 28 | 6.4 | 6.2 | 6.3 | 7.5 | 6.7 | 7.0 | 7.2 | 6.8 | 7.1 | 7.6 | 7.1 | 7.3 |
| 29 | 6.6 | 6.2 | 6.4 | 7.0 | 6.7 | 6.7 | 7.2 | 6.8 | 7.1 | 7.4 | 6.9 | 7.3 |
| 30 | 6.6 | 6.4 | 6.5 | 7.1 | 6.7 | 6.8 | --- | --- | --- | 7.4 | 6.9 | 7.2 |
| 31 | --- | --- | --- | 6.8 | 6.7 | 6.8 | 7.1 | 7.0 | 7.1 | --- | --- | --- |
| MONTH | 7.5 | 6.2 | 6.7 | --- | --- | --- | --- | --- | --- | --- | -- | --- |

02092162 NEUSE RIVER AT NEW BERN, NC--Continued
TEMPERATURE, WATER (DEG. C), TOP, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | OCTOBER |  |  | NOVEMBER |  |  | DECEMBER |  |  | JANUARY |  |  |
| 1 | 20.4 | 19.9 | 20.1 | 16.2 | 14.9 | 15.7 | 9.9 | 8.7 | 9.2 | --- | --- | --- |
| 2 | 21.4 | 19.6 | 20.4 | 16.1 | 14.9 | 15.6 | 9.9 | 8.3 | 8.8 | --- | --- | --- |
| 3 | 21.2 | 19.9 | 20.4 | --- | --- | --- | 8.6 | 6.6 | 7.8 | --- | --- | --- |
| 4 | 21.0 | 20.0 | 20.3 | 16.5 | 15.9 | 16.2 | 6.6 | 6.1 | 6.3 | --- | --- | --- |
| 5 | 22.1 | 20.5 | 21.0 | 16.8 | 16.0 | 16.4 | 6.8 | 5.5 | 6.3 | --- | --- | --- |
| 6 | 22.7 | 21.2 | 21.9 | 16.5 | 14.6 | 15.8 | --- | --- | --- | --- | --- | --- |
| 7 | 22.5 | 21.5 | 21.9 | 16.3 | 15.8 | 16.2 | --- | --- | --- | --- | --- | --- |
| 8 | 21.6 | 18.5 | 20.0 | 16.2 | 15.6 | 15.9 | --- | --- | --- | --- | --- | --- |
| 9 | 18.8 | 16.9 | 17.7 | 17.4 | 15.9 | 16.4 | --- | --- | --- | --- | --- | --- |
| 10 | 17.0 | 15.8 | 16.6 | 18.4 | 17.2 | 17.8 | --- | --- | --- | --- | --- | --- |
| 11 | 18.3 | 15.4 | 16.6 | 17.3 | 15.7 | 16.5 | --- | --- | --- | --- | --- | --- |
| 12 | 17.8 | 15.6 | 16.8 | 15.8 | 15.1 | 15.4 | --- | --- | --- | 5.8 | 4.7 | 5.3 |
| 13 | 18.8 | 15.7 | 17.3 | 16.0 | 14.1 | 15.3 | --- | --- | --- | 6.9 | 5.2 | 6.0 |
| 14 | 18.0 | 16.5 | 17.6 | 15.6 | 14.6 | 15.2 | --- | --- | --- | 7.8 | 5.7 | 6.3 |
| 15 | 18.1 | 17.1 | 17.7 | 14.6 | 13.4 | 13.9 | --- | --- | --- | 8.7 | 6.3 | 7.3 |
| 16 | 18.4 | 17.1 | 18.0 | 14.9 | 12.4 | 13.8 | --- | --- | --- | 9.0 | 6.8 | 8.1 |
| 17 | 18.6 | 17.7 | 18.2 | 14.8 | 13.2 | 13.9 | --- | --- | --- | 8.3 | 6.8 | 7.6 |
| 18 | 19.5 | 18.2 | 18.8 | 14.7 | 12.3 | 13.2 | --- | --- | --- | 8.3 | 7.4 | 7.8 |
| 19 | 19.7 | 18.1 | 18.9 | 13.8 | 11.0 | 12.1 | --- | --- | --- | 10.5 | 7.3 | 8.9 |
| 20 | 19.7 | 18.8 | 19.2 | 12.7 | 11.0 | 11.9 | --- | --- | --- | 11.5 | 10.5 | 11.2 |
| 21 | 19.6 | 19.0 | 19.3 | 11.5 | 10.1 | 10.8 | --- | --- | --- | 10.9 | 8.0 | 9.5 |
| 22 | 20.3 | 18.9 | 19.6 | 10.4 | 8.2 | 9.0 | --- | --- | --- | 9.0 | 6.9 | 7.9 |
| 23 | 19.7 | 18.2 | 19.1 | 9.8 | 7.4 | 8.3 | --- | --- | --- | 8.8 | 7.6 | 8.1 |
| 24 | 19.9 | 18.1 | 18.7 | 10.2 | 7.4 | 8.5 | --- | --- | --- | 8.9 | 7.1 | 7.9 |
| 25 | 19.7 | 17.6 | 18.5 | 10.2 | 8.2 | 9.3 | --- | --- | --- |  |  | -- |
| 26 | 18.9 | 17.8 | 18.4 | 11.0 | 10.0 | 10.5 | --- | --- | --- | --- | --- | --- |
| 27 | 19.0 | 18.1 | 18.6 | 10.9 | 9.4 | 10.4 | --- | --- | --- | 7.4 | 5.8 | 6.6 |
| 28 | 19.5 | 18.6 | 19.1 | 10.8 | 9.3 | 10.2 | --- | --- | --- | 8.2 | 6.0 | 7.1 |
| 29 | 19.0 | 17.9 | 18.4 | 10.6 | 9.9 | 10.4 | --- | --- | --- | 8.0 | 5.8 | 7.3 |
| 30 | 17.9 | 16.5 | 17.4 | 10.4 | 9.1 | 9.9 | --- | --- | --- | 9.7 | 7.5 | 8.6 |
| 31 | 17.2 | 15.9 | 16.5 | , | , | --- | --- | --- | --- | 10.4 | 9.3 | 9.8 |
| MONTH | 22.7 | 15.4 | 18.8 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
|  |  | FEBRUARY |  |  | MARCH |  |  | APRIL |  |  | MAY |  |
| 1 | 10.8 | 9.6 | 10.0 | 12.4 | 10.9 | 11.6 | 14.8 | 13.4 | 14.3 | 20.5 | 18.7 | 19.5 |
| 2 | 9.9 | 8.8 | 9.2 | 13.4 | 11.5 | 12.3 | 14.2 | 12.8 | 13.5 | 21.5 | 19.3 | 20.3 |
| 3 | 9.1 | 7.7 | 8.3 | 12.9 | 11.9 | 12.3 | 14.1 | 13.3 | 13.7 | 22.6 | 20.0 | 21.2 |
| 4 | 7.8 | 7.0 | 7.4 | 12.6 | 11.6 | 12.0 | 13.8 | 13.2 | 13.5 | 24.1 | 20.9 | 22.1 |
| 5 | 9.3 | 7.8 | 8.6 | 12.5 | 11.4 | 12.1 | 15.1 | 12.8 | 13.8 | 23.9 | 21.9 | 22.8 |
| 6 | 9.7 | 7.4 | 8.8 | 11.5 | 8.4 | 9.9 | 16.0 | 13.5 | 14.6 | 23.1 | 21.2 | 22.3 |
| 7 | 10.5 | 8.4 | 9.4 | 9.2 | 7.8 | 8.6 | 20.0 | 14.8 | 16.6 | 21.3 | 20.2 | 20.8 |
| 8 | 11.1 | 8.7 | 9.7 | 11.3 | 8.5 | 9.7 | 19.7 | 16.8 | 18.0 | 22.2 | 20.3 | 21.1 |
| 9 | 11.6 | 9.3 | 10.6 | 10.2 | 9.4 | 9.9 | 20.5 | 18.1 | 19.1 | 23.2 | 20.6 | 21.8 |
| 10 | 12.6 | 11.4 | 11.9 | 11.0 | 8.6 | 9.7 | 22.6 | 19.3 | 20.5 | 24.5 | 21.5 | 22.7 |
| 11 | 12.0 | 10.2 | 11.1 | 11.3 | 9.2 | 10.3 | 21.8 | 20.3 | 21.1 | 23.7 | 22.0 | 22.8 |
| 12 | 10.2 | 9.2 | 9.6 | 11.5 | 10.5 | 11.1 | 22.5 | 20.6 | 21.5 | 23.8 | 22.2 | 22.9 |
| 13 | 10.2 | 9.5 | 9.9 | 14.0 | 11.3 | 12.9 | 22.4 | 21.1 | 21.7 | 23.9 | 22.5 | 23.1 |
| 14 | 11.4 | 9.9 | 10.5 | 14.6 | 13.3 | 13.9 | 23.2 | 21.2 | 22.0 | 23.7 | 21.9 | 22.7 |
| 15 | 13.6 | 11.3 | 12.3 | 14.1 | 13.6 | 13.8 | 21.8 | 20.7 | 21.1 | 22.7 | 21.7 | 22.0 |
| 16 | 15.1 | 12.4 | 13.6 | 14.8 | 13.6 | 14.2 | 20.8 | 19.4 | 20.2 | 22.6 | 21.1 | 21.8 |
| 17 | 14.4 | 12.4 | 13.4 | 16.8 | 14.0 | 15.1 | 19.6 | 17.3 | 18.7 | 21.5 | 20.4 | 20.7 |
| 18 | 12.4 | 10.7 | 11.2 | 15.0 | 13.6 | 14.1 | 17.3 | 15.6 | 16.2 | 22.5 | 20.1 | 20.8 |
| 19 | 11.6 | 9.8 | 10.6 | 13.6 | 12.7 | 13.2 | 17.1 | 14.7 | 15.7 | 24.8 | 21.7 | 23.3 |
| 20 | 12.8 | 10.5 | 11.8 | 12.9 | 12.0 | 12.3 | 16.3 | 15.1 | 15.8 | 27.1 | 23.8 | 24.8 |
| 21 | 13.9 | 12.4 | 13.0 | 13.4 | 12.2 | 12.7 | 17.5 | 15.5 | 16.5 | 25.4 | 24.3 | 24.7 |
| 22 | 12.6 | 10.1 | 11.1 | 13.3 | 12.4 | 12.8 | 18.7 | 16.8 | 17.6 | 25.7 | 24.0 | 24.9 |
| 23 | 11.4 | 9.0 | 10.2 | 13.8 | 12.4 | 13.1 | 19.9 | 17.9 | 18.9 | 25.5 | 24.6 | 25.0 |
| 24 | 11.1 | 9.1 | 10.2 | 14.4 | 12.7 | 13.6 | 21.1 | 18.9 | 20.0 | 25.5 | 24.1 | 24.7 |
| 25 | 11.8 | 10.2 | 10.9 | 13.8 | 12.6 | 13.2 | 20.7 | 18.0 | 19.6 | 26.2 | 24.5 | 25.5 |
| 26 | 13.3 | 11.4 | 12.3 | 12.6 | 11.9 | 12.4 | 18.0 | 16.9 | 17.5 | 25.9 | 25.1 | 25.4 |
| 27 | 13.3 | 12.1 | 12.6 | 12.3 | 10.8 | 11.7 | 19.2 | 17.0 | 17.9 | 26.0 | 24.7 | 25.3 |
| 28 | 12.9 | 11.2 | 12.1 | 12.4 | 10.7 | 11.6 | 20.0 | 17.4 | 18.7 | 25.0 | 24.3 | 24.7 |
| 29 | --- | --- | --- | 12.7 | 11.0 | 11.8 | 19.7 | 18.3 | 19.0 | 25.1 | 24.0 | 24.3 |
| 30 | --- | --- | --- | 15.1 | 12.3 | 13.6 | 21.3 | 18.0 | 19.1 | 26.0 | 23.6 | 24.8 |
| 31 | --- | --- | --- | 15.6 | 13.9 | 14.8 | , | , | , | 25.1 | 23.3 | 24.3 |
| MONTH | 15.1 | 7.0 | 10.7 | 16.8 | 7.8 | 12.3 | 23.2 | 12.8 | 17.9 | 27.1 | 18.7 | 23.0 |

02092162 NEUSE RIVER AT NEW BERN, NC--Continued
TEMPERATURE, WATER (DEG. C), TOP, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | JUNE |  |  | JULY |  |  | AUGUST |  |  | SEPTEMBER |  |  |
| 1 | 25.1 | 23.8 | 24.5 | 29.9 | 27.7 | 28.8 | 27.0 | 25.0 | 26.3 | 27.3 | 26.5 | 27.0 |
| 2 | 25.7 | 24.0 | 24.6 | 29.0 | 27.5 | 28.3 | 26.9 | 25.0 | 26.0 | 27.5 | 26.9 | 27.2 |
| 3 | 25.9 | 24.1 | 25.0 | --- | --- | --- | 26.8 | 25.0 | 25.9 | --- | --- | --- |
| 4 | 26.5 | 24.8 | 25.6 | --- | --- | --- | 26.4 | 25.1 | 25.8 | 27.6 | 26.2 | 27.3 |
| 5 | 28.8 | 25.0 | 26.5 | --- | --- | --- | 27.6 | 25.8 | 26.4 | 27.3 | 25.5 | 26.7 |
| 6 | 27.2 | 25.3 | 26.4 | 28.9 | 27.6 | 28.1 | 28.5 | 26.7 | 27.5 | 27.3 | 26.2 | 26.9 |
| 7 | 27.9 | 26.5 | 27.1 | 29.1 | 26.6 | 27.6 | 28.0 | 27.2 | 27.5 | 27.5 | 25.7 | 26.5 |
| 8 | 27.1 | 26.3 | 26.8 | 27.8 | 26.8 | 27.2 | 30.0 | 27.3 | 28.3 | 27.7 | 26.2 | 26.9 |
| 9 | 27.7 | 25.5 | 26.3 | 30.9 | 26.6 | 28.0 | 30.4 | 29.5 | 29.7 | --- | - | --- |
| 10 | 28.0 | 25.5 | 26.4 | 29.9 | 27.6 | 28.6 | 31.4 | 29.2 | 30.1 | 27.8 | 26.2 | 26.9 |
| 11 | 28.2 | 26.4 | 27.1 | 31.0 | 28.3 | 29.4 | 30.8 | 30.0 | 30.3 | 28.2 | 27.0 | 27.4 |
| 12 | 28.9 | 27.0 | 27.8 | 30.1 | 27.9 | 29.0 | 30.4 | 29.1 | 29.8 | --- | --- | --- |
| 13 | 28.7 | 27.4 | 28.0 | 29.0 | 26.6 | 27.8 | 30.2 | 29.3 | 29.6 | 27.1 | 25.0 | 26.4 |
| 14 | 28.0 | 26.7 | 27.2 | 28.4 | 25.5 | 27.0 | 29.4 | 28.4 | 28.9 | 26.9 | 25.5 | 26.4 |
| 15 | 26.7 | 26.0 | 26.4 | 30.1 | 26.4 | 27.7 | 28.9 | 27.3 | 28.1 | 26.2 | 23.2 | 24.4 |
| 16 | 27.9 | 25.6 | 26.5 | 28.4 | 26.1 | 27.1 | 29.0 | 27.5 | 28.2 | 24.1 | 22.8 | 23.1 |
| 17 | 26.5 | 25.3 | 25.7 | 27.9 | 26.5 | 27.2 | 29.1 | 27.7 | 28.5 | 23.1 | 22.3 | 22.7 |
| 18 | 27.7 | 24.7 | 26.0 | 29.1 | 26.7 | 27.5 | 28.9 | 27.8 | 28.3 | 23.4 | 22.6 | 22.9 |
| 19 | 28.6 | 24.9 | 26.3 | - | --- | --- | 28.6 | 27.0 | 27.7 | 23.6 | 23.0 | 23.3 |
| 20 | 27.0 | 25.4 | 26.0 | --- | --- | --- | 28.3 | 27.1 | 27.5 | 24.3 | 23.3 | 23.5 |
| 21 | 28.2 | 25.8 | 26.7 | --- | --- | --- | 29.1 | 26.6 | 27.3 | 24.2 | 23.3 | 23.8 |
| 22 | 27.3 | 25.9 | 26.6 | --- | --- | --- | 28.6 | 26.5 | 27.2 | 24.9 | 23.9 | 24.3 |
| 23 | 27.0 | 26.0 | 26.5 | --- | -- | --- | 27.2 | 26.0 | 26.6 | 25.2 | 24.0 | 24.5 |
| 24 | 26.9 | 25.9 | 26.3 | --- | --- | --- | 27.2 | 25.7 | 26.3 | 26.6 | 25.1 | 25.8 |
| 25 | 27.7 | 25.6 | 26.6 | --- | --- | --- | 27.2 | 25.0 | 26.0 | 26.3 | 24.5 | 25.5 |
| 26 | 27.7 | 25.8 | 26.8 | --- | --- | --- | 27.3 | 24.5 | 26.0 | 24.5 | 22.4 | 23.2 |
| 27 | 32.7 | 26.3 | 27.8 | 27.9 | 26.5 | 27.4 | 27.1 | 25.2 | 26.2 | --- | --- | --- |
| 28 | 30.8 | 26.8 | 28.5 | 27.3 | 26.1 | 26.6 | 27.9 | 25.8 | 26.9 | 24.2 | 22.5 | 23.2 |
| 29 | 31.1 | 27.0 | 28.3 | 27.3 | 25.9 | 26.7 | 27.7 | 26.5 | 26.8 | 23.0 | 21.6 | 22.1 |
| 30 | 29.3 | 27.1 | 28.2 | 27.1 | 26.0 | 26.4 | - | --- | --- | 21.6 | 20.5 | 20.9 |
| 31 | - | . | . | 27.9 | 25.4 | 26.4 | --- | -- | --- | 1. | , | , |
| MONTH | 32.7 | 23.8 | 26.6 | - | --- | --- | - | --- | --- | --- | --- | --- |

TEMPERATURE, WATER (DEG. C), BOTTOM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | OCTOBER |  |  | NOVEMBER |  |  | DECEMBER |  |  | JANUARY |  |  |
| 1 | 23.0 | 22.2 | 22.7 | 16.9 | 16.0 | 16.3 | 10.7 | 10.4 | 10.6 | 5.0 | 3.1 | 4.6 |
| 2 | 22.4 | 19.9 | 21.2 | 16.4 | 16.0 | 16.2 | 10.8 | 9.6 | 10.4 | 5.0 | 4.1 | 4.5 |
| 3 | 21.5 | 20.3 | 20.7 | -- | --- | - | 10.1 | 6.7 | 8.6 | 4.6 | 4.0 | 4.4 |
| 4 | 20.8 | 20.0 | 20.4 | 16.5 | 16.2 | 16.4 | 7.3 | 6.1 | 6.7 | 4.7 | 4.1 | 4.4 |
| 5 | 21.8 | 20.6 | 20.8 | 16.4 | 16.0 | 16.1 | 7.7 | 6.9 | 7.3 | 4.8 | 4.0 | 4.5 |
| 6 | 22.5 | 21.2 | 21.6 | 16.3 | 16.1 | 16.2 | - | -- | - | 4.8 | 4.3 | 4.5 |
| 7 | 22.4 | 21.6 | 22.0 | 16.5 | 16.2 | 16.3 | --- | --- | --- | 4.8 | 4.3 | 4.5 |
| 8 | 22.0 | 19.4 | 21.0 | 16.6 | 16.3 | 16.5 | --- | --- | --- | 5.0 | 4.5 | 4.8 |
| 9 | 21.3 | 17.0 | 18.1 | 17.0 | 16.4 | 16.6 | --- | --- | --- | 4.8 | 4.6 | 4.7 |
| 10 | 17.8 | 16.5 | 17.2 | 17.9 | 17.0 | 17.6 | --- | --- | --- | 4.8 | 3.9 | 4.5 |
| 11 | 18.7 | 15.8 | 17.7 | 17.4 | 16.3 | 16.7 | --- | --- | -- | 4.7 | 4.3 | 4.5 |
| 12 | 18.7 | 18.1 | 18.4 | 16.4 | 15.7 | 16.1 | --- | --- | --- | 5.0 | 4.6 | 4.8 |
| 13 | 18.4 | 18.0 | 18.2 | 16.3 | 15.9 | 16.2 | --- | --- | --- | 4.9 | 4.7 | 4.7 |
| 14 | 18.4 | 17.9 | 18.1 | 16.3 | 15.9 | 16.2 | --- | --- | --- | 5.6 | 4.7 | 5.1 |
| 15 | 18.4 | 18.1 | 18.3 | 16.2 | 15.6 | 16.0 | --- | --- | --- | 5.9 | 5.3 | 5.5 |
| 16 | 18.3 | 18.1 | 18.2 | 16.1 | 15.6 | 15.9 | --- | --- | --- | 5.8 | 5.2 | 5.5 |
| 17 | 18.3 | 18.1 | 18.2 | 16.0 | 15.2 | 15.7 | --- | --- | --- | 5.8 | 5.4 | 5.6 |
| 18 | 18.6 | 18.2 | 18.4 | 15.8 | 13.6 | 14.9 | --- | --- | --- | 6.0 | 5.6 | 5.8 |
| 19 | 18.8 | 18.6 | 18.7 | 14.8 | 13.9 | 14.3 | --- | --- | --- | 9.8 | 5.9 | 6.9 |
| 20 | 18.9 | 18.8 | 18.8 | 14.4 | 12.0 | 13.0 | --- | --- | --- | 11.3 | 9.7 | 10.7 |
| 21 | 19.0 | 18.9 | 18.9 | 12.9 | 10.7 | 12.1 | - | --- | --- | 10.9 | 8.9 | 9.8 |
| 22 | 19.2 | 19.0 | 19.1 | 11.1 | 9.6 | 10.4 | 9.5 | 7.6 | 8.9 | 9.1 | 8.7 | 8.9 |
| 23 | 19.5 | 18.9 | 19.2 | 11.3 | 10.0 | 10.8 | 7.8 | 5.6 | 6.5 | 8.8 | 8.5 | 8.7 |
| 24 | 19.3 | 19.1 | 19.2 | 11.1 | 10.2 | 10.7 | 7.6 | 6.7 | 7.2 | 8.7 | 8.1 | 8.4 |
| 25 | 19.2 | 18.7 | 19.0 | 10.9 | 9.8 | 10.5 | 7.6 | 4.4 | 5.6 | --- | --- | --- |
| 26 | 19.1 | 18.8 | 19.0 | 10.9 | 10.1 | 10.5 | 5.2 | 3.5 | 4.4 | --- | --- | --- |
| 27 | 19.0 | 18.5 | 18.8 | 10.8 | 10.1 | 10.5 | 5.7 | 4.8 | 5.3 | 7.2 | 6.3 | 6.8 |
| 28 | 19.2 | 18.9 | 19.0 | 10.7 | 10.1 | 10.4 | 6.1 | 4.5 | 5.2 | 6.9 | 6.6 | 6.8 |
| 29 | 19.1 | 18.0 | 18.4 | 10.8 | 10.3 | 10.5 | 5.2 | 4.7 | 5.0 | 7.1 | 6.7 | 6.8 |
| 30 | 18.4 | 17.0 | 17.5 | 10.9 | 10.4 | 10.6 | 5.2 | 4.7 | 5.1 | 9.6 | 6.9 | 8.2 |
| 31 | 17.6 | 16.3 | 16.8 | --- | - | --- | 5.1 | 3.1 | 4.3 | 10.4 | 8.7 | 9.5 |
| MONTH | 23.0 | 15.8 | 19.1 | --- | --- | --- | -- | --- | -- | --- | --- | --- |

02092162 NEUSE RIVER AT NEW BERN, NC--Continued
TEMPERATURE, WATER (DEG. C), BOTTOM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | FEBRUARY |  |  | MARCH |  |  | APRIL |  |  | MAY |  |  |
| 1 | 9.6 | 8.3 | 8.9 | 12.2 | 11.0 | 11.7 | 14.9 | 13.5 | 14.3 | 20.1 | 18.6 | 19.1 |
| 2 | 8.6 | 8.2 | 8.4 | 12.2 | 11.9 | 12.1 | 14.1 | 12.8 | 13.5 | 20.9 | 19.1 | 19.7 |
| 3 | 8.8 | 8.5 | 8.7 | 12.3 | 12.2 | 12.2 | 14.1 | 13.3 | 13.7 | 21.7 | 19.7 | 20.3 |
| 4 | 8.8 | 8.7 | 8.8 | 12.3 | 12.2 | 12.3 | 13.8 | 13.2 | 13.5 | 22.6 | 20.7 | 21.2 |
| 5 | 8.9 | 8.6 | 8.8 | 12.3 | 11.5 | 12.1 | 14.9 | 12.8 | 13.7 | 22.6 | 21.6 | 21.9 |
| 6 | 9.0 | 8.8 | 8.9 | 11.6 | 9.1 | 10.0 | 16.0 | 13.4 | 14.5 | 22.6 | 20.2 | 21.7 |
| 7 | 9.2 | 8.9 | 9.0 | 9.1 | 8.1 | 8.6 | 16.8 | 14.9 | 15.6 | 21.1 | 20.1 | 20.7 |
| 8 | 9.6 | 9.0 | 9.2 | 9.0 | 8.6 | 8.8 | 19.4 | 16.6 | 17.5 | 20.7 | 20.0 | 20.3 |
| 9 | 11.1 | 9.3 | 9.9 | 9.8 | 8.9 | 9.4 | 20.1 | 18.1 | 18.7 | 21.1 | 20.0 | 20.6 |
| 10 | 12.2 | 10.9 | 11.8 | 9.4 | 9.1 | 9.2 | 21.7 | 19.3 | 20.1 | 21.8 | 20.0 | 20.6 |
| 11 | 11.9 | 10.5 | 11.1 | 9.4 | 9.2 | 9.3 | 21.7 | 20.2 | 21.0 | 23.5 | 20.9 | 21.8 |
| 12 | 11.0 | 10.5 | 10.8 | 10.4 | 9.3 | 9.5 | 22.3 | 20.7 | 21.4 | 23.7 | 22.1 | 22.7 |
| 13 | 10.9 | 10.1 | 10.6 | 14.0 | 9.9 | 12.8 | 22.2 | 21.1 | 21.6 | 23.7 | 22.4 | 23.0 |
| 14 | 10.7 | 10.3 | 10.5 | 14.4 | 13.4 | 13.9 | 22.5 | 21.1 | 21.7 | 23.0 | 22.2 | 22.7 |
| 15 | 10.8 | 10.1 | 10.6 | 14.3 | 13.5 | 13.8 | 21.6 | 20.7 | 21.1 | 22.6 | 22.0 | 22.3 |
| 16 | 13.5 | 10.1 | 10.8 | 14.7 | 13.6 | 14.0 | 20.7 | 18.7 | 19.8 | 22.1 | 21.6 | 21.8 |
| 17 | 13.7 | 11.8 | 12.9 | 14.9 | 13.4 | 14.2 | 19.5 | 17.4 | 18.8 | 21.9 | 21.5 | 21.7 |
| 18 | 12.6 | 11.1 | 11.9 | 14.5 | 13.6 | 14.1 | 17.5 | 15.7 | 16.3 | 21.6 | 21.2 | 21.5 |
| 19 | 12.0 | 11.7 | 11.9 | 13.9 | 13.2 | 13.6 | 16.1 | 14.6 | 15.3 | 21.8 | 21.4 | 21.6 |
| 20 | 12.0 | 11.8 | 11.9 | --- | --- | --- | 16.3 | 15.1 | 15.7 | 24.9 | 21.4 | 22.0 |
| 21 | 12.0 | 11.3 | 11.8 | --- | --- | --- | 17.5 | 15.5 | 16.4 | 24.8 | 22.2 | 23.9 |
| 22 | 11.6 | 10.3 | 11.2 | --- | --- | --- | 18.4 | 16.7 | 17.3 | 25.6 | 24.2 | 24.8 |
| 23 | 10.6 | 9.5 | 10.0 | --- | --- | --- | 19.8 | 17.8 | 18.6 | 25.3 | 24.7 | 24.9 |
| 24 | 10.5 | 10.1 | 10.3 | --- | --- | --- | 21.0 | 18.9 | 19.8 | 24.8 | 24.3 | 24.5 |
| 25 | 11.7 | 10.3 | 10.8 | --- | --- | --- | 20.7 | 18.0 | 19.6 | 26.0 | 24.5 | 25.1 |
| 26 | 13.1 | 11.4 | 12.3 | --- | --- | --- | 18.1 | 16.9 | 17.5 | 25.9 | 25.1 | 25.5 |
| 27 | 12.9 | 12.1 | 12.5 | --- | --- | --- | 18.4 | 17.0 | 17.6 | 25.8 | 25.0 | 25.4 |
| 28 | 12.9 | 11.3 | 12.1 | 12.4 | 10.7 | 11.5 | 19.6 | 17.3 | 17.9 | 25.2 | 24.6 | 24.8 |
| 29 | --- | --- | --- | 12.7 | 11.1 | 11.8 | 19.5 | 18.4 | 18.9 | 24.8 | 24.4 | 24.6 |
| 30 | --- | --- | --- | 14.7 | 12.3 | 13.5 | 19.2 | 17.9 | 18.4 | 24.6 | 24.0 | 24.4 |
| 31 | --- | --- | --- | 15.6 | 13.8 | 14.7 | --- | --- | --- | 24.3 | 23.8 | 24.0 |
| MONTH | 13.7 | 8.2 | 10.6 | --- | --- | --- | 22.5 | 12.8 | 17.7 | 26.0 | 18.6 | 22.6 |
| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
|  | JUNE |  |  | JULY |  |  | AUGUST |  |  | SEPTEMBER |  |  |
| 1 | 25.1 | 24.0 | 24.4 | 29.2 | 27.2 | 28.0 | 26.3 | 25.9 | 26.2 | 27.1 | 27.0 | 27.0 |
| 2 | 25.0 | 24.2 | 24.6 | 29.0 | 26.8 | 27.9 | 26.6 | 26.0 | 26.2 | 27.0 | 27.0 | 27.0 |
| 3 | 24.7 | 24.0 | 24.4 | --- | --- | --- | 26.5 | 26.1 | 26.3 | 27.0 | 26.9 | 27.0 |
| 4 | 25.9 | 24.0 | 24.5 | --- | --- | --- | 26.2 | 25.8 | 26.0 | 27.1 | 26.9 | 27.0 |
| 5 | 26.0 | 25.0 | 25.4 | --- | --- | --- | 26.9 | 25.9 | 26.2 | 27.0 | 26.8 | 26.9 |
| 6 | 26.7 | 24.7 | 25.6 | 28.1 | 27.0 | 27.5 | 28.1 | 26.5 | 27.1 | 27.0 | 26.9 | 26.9 |
| 7 | 26.1 | 24.9 | 25.5 | 27.6 | 27.0 | 27.3 | 28.0 | 27.0 | 27.4 | 27.1 | 26.8 | 26.9 |
| 8 | 25.0 | 24.8 | 24.9 | 27.6 | 27.1 | 27.4 | 28.3 | 26.8 | 27.4 | 27.0 | 26.8 | 26.9 |
| 9 | 25.0 | 24.6 | 24.8 | 27.3 | 26.7 | 26.9 | 30.2 | 27.5 | 28.7 | --- | --- | --- |
| 10 | 25.2 | 24.6 | 24.8 | 27.8 | 26.7 | 27.0 | 31.2 | 28.9 | 29.8 | 27.1 | 26.6 | 26.9 |
| 11 | 26.6 | 24.8 | 25.4 | 28.2 | 26.9 | 27.5 | 30.6 | 29.7 | 30.2 | 27.5 | 26.8 | 26.9 |
| 12 | 27.5 | 25.3 | 26.6 | 27.6 | 26.8 | 27.0 | 30.4 | 29.1 | 29.7 | --- | --- | --- |
| 13 | 28.9 | 25.1 | 26.6 | 27.5 | 26.9 | 27.1 | 30.1 | 29.3 | 29.6 | 27.1 | 26.9 | 26.9 |
| 14 | 28.0 | 26.8 | 27.3 | 27.4 | 27.0 | 27.0 | 29.3 | 28.0 | 28.5 | 27.1 | 26.2 | 26.9 |
| 15 | 26.8 | 26.0 | 26.3 | 27.1 | 26.9 | 27.0 | 28.0 | 27.0 | 27.5 | 26.4 | 23.7 | 25.0 |
| 16 | 26.3 | 25.6 | 26.1 | 27.1 | 26.9 | 26.9 | 27.6 | 27.0 | 27.1 | 24.3 | 22.8 | 23.2 |
| 17 | 26.3 | 26.0 | 26.1 | 27.2 | 26.8 | 27.0 | 28.0 | 27.3 | 27.5 | 23.2 | 22.4 | 22.7 |
| 18 | 26.0 | 25.6 | 25.7 | 27.9 | 26.8 | 27.0 | 28.5 | 27.4 | 28.0 | 23.0 | 22.6 | 22.8 |
| 19 | 25.9 | 25.6 | 25.7 | --- | --- | -- | 28.3 | 27.1 | 27.6 | 23.4 | 22.9 | 23.0 |
| 20 | 26.3 | 25.4 | 25.7 | --- | --- | - | 27.7 | 27.1 | 27.3 | 23.4 | 23.1 | 23.2 |
| 21 | 27.2 | 25.7 | 26.2 | --- | --- | --- | 27.5 | 26.9 | 27.3 | 23.7 | 23.3 | 23.4 |
| 22 | 27.3 | 25.8 | 26.4 | --- | --- | --- | 27.4 | 27.2 | 27.3 | 23.8 | 23.3 | 23.4 |
| 23 | 26.9 | 26.0 | 26.4 | --- | --- | --- | 27.5 | 26.8 | 27.3 | 23.9 | 23.4 | 23.7 |
| 24 | 26.8 | 25.9 | 26.2 | --- | --- | --- | 27.2 | 26.3 | 26.9 | 25.9 | 23.8 | 24.5 |
| 25 | 27.3 | 25.6 | 26.3 | --- | --- | --- | 27.3 | 27.1 | 27.2 | 25.8 | 24.5 | 25.2 |
| 26 | 27.0 | 25.7 | 26.1 | -- | --- | - | 27.2 | 27.1 | 27.2 | 25.1 | 24.7 | 24.8 |
| 27 | 27.1 | 26.2 | 26.5 | 28.2 | 26.9 | 27.7 | 27.2 | 26.7 | 27.1 | -- | --- | --- |
| 28 | 27.0 | 26.5 | 26.8 | 27.3 | 26.3 | 26.8 | 27.0 | 26.6 | 26.9 | 24.4 | 23.4 | 23.8 |
| 29 | 26.9 | 25.9 | 26.3 | 27.2 | 26.8 | 26.9 | 27.3 | 26.8 | 27.0 | 23.4 | 22.9 | 23.2 |
| 30 | 27.8 | 25.9 | 26.3 | 27.1 | 26.4 | 26.7 | - | --- | . | 23.0 | 20.9 | 21.7 |
| 31 | - | - | - | 26.6 | 26.2 | 26.4 | 27.2 | 26.9 | 27.1 | --- | --- | - |
| MONTH | 28.9 | 24.0 | 25.8 | --- | - | --- | - | -- | --- | -- | -- | --- |

02092162 NEUSE RIVER AT NEW BERN, NC--Continued
OXYGEN DISSOLVED (MG/L), TOP, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | OCTOBER |  | NOVEMBER |  | DECEMBER |  |  |  | JANUARY |  |  |
| 1 | 5.9 | 4.8 | 5.3 | 11.8 | 9.5 | 10.9 | 9.7 | 8.2 | 9.1 | --- | - | --- |
| 2 | 5.9 | 5.0 | 5.3 | 11.4 | 9.0 | 10.6 | 9.7 | 8.6 | 9.2 | --- | --- | --- |
| 3 | 5.5 | 4.4 | 4.8 |  | --- | --- | 10.1 | 8.9 | 9.5 | --- | --- | --- |
| 4 | 5.4 | 4.8 | 5.0 | 10.6 | 5.9 | 7.8 | 10.2 | 9.9 | 10.1 | --- | --- | --- |
| 5 | 5.5 | 5.0 | 5.2 | 11.1 | 6.1 | 9.4 | 10.1 | 9.5 | 9.8 | --- | --- | --- |
| 6 | 5.5 | 5.1 | 5.2 | 9.6 | 7.0 | 8.6 | --- | - | - | --- | --- | --- |
| 7 | 6.0 | 5.1 | 5.5 | 9.4 | 6.3 | 7.6 | --- | --- | --- | --- | --- | --- |
| 8 | 6.5 | 5.4 | 6.0 | 10.3 | 5.1 | 8.4 | --- | --- | --- | --- | --- | --- |
| 9 | 7.2 | 5.4 | 6.5 | 9.5 | 4.3 | 6.4 | --- | --- | --- | --- | --- | --- |
| 10 | 7.3 | 6.8 | 7.1 | 8.1 | 5.0 | 7.2 | --- | --- | --- | --- | --- | --- |
| 11 | 7.3 | 6.4 | 6.9 | 7.8 | 6.3 | 7.2 | --- | -- | --- | --- | --- | - |
| 12 | 6.7 | 5.5 | 6.5 | 7.9 | 6.7 | 7.4 | --- | --- | --- | 15.2 | 12.3 | 13.0 |
| 13 | 7.0 | 4.5 | 6.0 | 7.6 | 5.8 | 6.8 | --- | --- | --- | 12.8 | 12.2 | 12.4 |
| 14 | 6.0 | 4.4 | 5.1 | 7.6 | 6.4 | 7.2 | --- | --- | --- | 15.0 | 11.9 | 13.0 |
| 15 | 6.9 | 4.0 | 5.1 | 8.3 | 7.2 | 7.8 | --- | --- | --- | 16.9 | 11.6 | 13.1 |
| 16 | 6.7 | 3.5 | 4.3 | 7.7 | 5.9 | 7.3 | --- | --- | --- | 14.5 | 11.8 | 12.4 |
| 17 | 6.6 | 2.3 | 3.8 | 8.0 | 5.8 | 7.1 | --- | --- | --- | 16.3 | 11.7 | 12.5 |
| 18 | 6.6 | 1.4 | 4.6 | 7.9 | 4.5 | 7.0 | --- | --- | --- | 14.9 | 11.2 | 12.3 |
| 19 | 6.6 | 1.6 | 5.1 | 8.2 | 5.8 | 7.3 | --- | --- | --- | 14.4 | 10.8 | 12.5 |
| 20 | 6.7 | 1.6 | 3.4 | 8.6 | 5.9 | 7.4 | -- | -- | -- | 11.7 | 9.7 | 10.5 |
| 21 | 6.6 | . 9 | 3.3 | 8.6 | 7.7 | 8.1 | --- | --- | --- | 12.5 | 9.6 | 10.6 |
| 22 | 8.3 | 1.4 | 6.3 | 9.4 | 7.9 | 8.9 | --- | --- | --- | 12.8 | 10.7 | 11.2 |
| 23 | 8.1 | . 7 | 6.3 | 10.2 | 7.9 | 9.3 | --- | --- | --- | 11.3 | 9.8 | 10.5 |
| 24 | 7.9 | 3.4 | 6.2 | 9.6 | 7.3 | 8.9 | --- | --- | --- | 15.8 | 9.7 | 11.9 |
| 25 | 10.4 | 3.4 | 6.4 | 9.6 | 6.4 | 8.7 | - | --- | --- | --- | --- | --- |
| 26 | 8.8 | 5.5 | 7.9 | 9.9 | 8.8 | 9.4 | --- | --- | --- | --- | --- | --- |
| 27 | 8.7 | 6.3 | 7.8 | 10.0 | 7.7 | 9.4 | --- | --- | --- | 13.2 | 11.5 | 12.3 |
| 28 | 9.3 | 6.3 | 8.2 | 9.6 | 8.2 | 9.2 | --- | --- | --- | 14.4 | 10.7 | 11.5 |
| 29 | 10.5 | 7.7 | 9.0 | 10.2 | 8.3 | 8.8 | --- | --- | --- | 16.5 | 10.2 | 12.8 |
| 30 | 11.2 | 8.2 | 9.7 | 9.4 | 8.7 | 9.1 | --- | --- | --- | 13.3 | 10.4 | 11.5 |
| 31 | 11.1 | 8.8 | 10.0 | --- | --- | --- | --- | --- | --- | 12.2 | 10.5 | 10.9 |
| MONTH | 11.2 | . 7 | 6.1 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
|  |  | FEBRUARY |  |  | MARCH |  |  | RRIL |  |  | MAY |  |
| 1 | 12.6 | 10.0 | 10.7 | 9.7 | 9.3 | 9.5 | 9.1 | 8.5 | 8.7 | 7.6 | 6.8 | 7.2 |
| 2 | 12.3 | 10.0 | 10.5 | 9.9 | 9.2 | 9.5 | 9.4 | 9.0 | 9.1 | 8.3 | 7.1 | 7.6 |
| 3 | 11.3 | 9.4 | 10.2 | 9.7 | 8.9 | 9.4 | 9.1 | 8.5 | 8.9 | 9.4 | 7.5 | 8.2 |
| 4 | 13.7 | 10.6 | 11.9 | 10.0 | 7.2 | 9.2 | 9.2 | 8.5 | 8.8 | 11.5 | 7.6 | 8.9 |
| 5 | 12.3 | 9.9 | 11.0 | 9.2 | 8.2 | 8.8 | 9.3 | 8.7 | 9.0 | 11.0 | 7.7 | 9.2 |
| 6 | 13.1 | 9.8 | 11.2 | 10.9 | 8.8 | 10.1 | 9.2 | 8.7 | 8.9 | 9.9 | 7.5 | 9.0 |
| 7 | 14.5 | 10.8 | 12.2 | 11.4 | 10.7 | 11.1 | 9.2 | 8.5 | 8.8 | 10.4 | 7.7 | 9.0 |
| 8 | 12.9 | 10.4 | 11.5 | 11.3 | 10.3 | 10.7 | 8.7 | 8.0 | 8.4 | 9.6 | 7.9 | 8.7 |
| 9 | 11.5 | 9.8 | 10.3 | 11.0 | 10.3 | 10.7 | 8.3 | 7.4 | 7.9 | 9.4 | 5.4 | 7.8 |
| 10 | 11.1 | 9.7 | 10.2 | 11.1 | 10.6 | 10.8 | 8.0 | 7.3 | 7.5 | 8.5 | 5.5 | 7.4 |
| 11 | 10.9 | 9.8 | 10.2 | 10.9 | 10.3 | 10.5 | 7.7 | 6.6 | 7.2 | 8.6 | 6.3 | 7.3 |
| 12 | 10.7 | 10.0 | 10.4 | 10.6 | 10.2 | 10.4 | 7.0 | 6.5 | 6.7 | 8.0 | 6.0 | 6.8 |
| 13 | 10.3 | 9.0 | 9.5 | 10.4 | 10.1 | 10.3 | 7.0 | 6.2 | 6.7 | 8.4 | 6.3 | 7.2 |
| 14 | 9.4 | 8.3 | 9.0 | 10.4 | 10.0 | 10.2 | 6.7 | 5.6 | 6.1 | 9.0 | 5.2 | 7.6 |
| 15 | 9.4 | 8.8 | 9.1 | 10.2 | 9.6 | 9.8 | 6.2 | 5.5 | 5.8 | 8.2 | 5.2 | 7.5 |
| 16 | 9.5 | 8.5 | 9.1 | 10.0 | 9.5 | 9.7 | 7.2 | 5.5 | 6.6 | 8.4 | 2.4 | 6.8 |
| 17 | 9.4 | 8.1 | 8.7 | 9.6 | 9.1 | 9.3 | 7.5 | 5.4 | 7.1 | 7.8 | 6.2 | 7.0 |
| 18 | 9.8 | 8.6 | 9.3 | 9.9 | 8.9 | 9.5 | 8.3 | 6.9 | 7.7 | 7.1 | 5.0 | 6.4 |
| 19 | 9.8 | 8.8 | 9.4 | 10.4 | 9.8 | 10.0 | 8.4 | 7.3 | 7.8 | 8.3 | 6.2 | 7.3 |
| 20 | 9.6 | 8.8 | 9.2 | 10.7 | 9.7 | 10.4 | 8.2 | 7.5 | 7.8 | 9.3 | 5.8 | 8.1 |
| 21 | 9.4 | 8.8 | 9.1 | 10.7 | 9.1 | 9.8 | 8.4 | 8.0 | 8.2 | 7.6 | 5.8 | 6.8 |
| 22 | 9.8 | 8.1 | 9.3 | 9.9 | 9.0 | 9.5 | 8.4 | 7.8 | 8.0 | 8.2 | 6.3 | 7.0 |
| 23 | 9.9 | 9.1 | 9.6 | 9.9 | 9.0 | 9.6 | 8.0 | 7.5 | 7.8 | 8.1 | 6.4 | 7.2 |
| 24 | 9.9 | 9.4 | 9.6 | 9.3 | 8.7 | 9.0 | 7.8 | 7.5 | 7.7 | 8.2 | 6.0 | 7.3 |
| 25 | 9.8 | 9.4 | 9.6 | 9.6 | 8.9 | 9.3 | 8.4 | 7.5 | 8.0 | 8.2 | 6.1 | 7.0 |
| 26 | 9.8 | 9.3 | 9.6 | 9.4 | 8.6 | 9.0 | 8.7 | 8.1 | 8.5 | 7.6 | 6.4 | 6.9 |
| 27 | 10.0 | 9.2 | 9.6 | 9.5 | 8.3 | 9.3 | 8.6 | 7.0 | 7.5 | 7.1 | 6.3 | 6.7 |
| 28 | 9.7 | 9.2 | 9.5 | 9.8 | 9.3 | 9.6 | 8.4 | 7.0 | 7.3 | 6.8 | 6.1 | 6.5 |
| 29 | --- | --- | --- | 10.2 | 9.5 | 9.8 | 8.2 | 7.2 | 7.4 | 6.8 | 5.8 | 6.4 |
| 30 | --- | --- | --- | 10.2 | 8.8 | 9.5 | 7.8 | 6.8 | 7.3 | 7.0 | 2.8 | 6.1 |
| 31 | --- | --- | --- | 8.8 | 8.4 | 8.7 | --- | --- | --- | 6.7 | 1.6 | 5.6 |
| MONTH | 14.5 | 8.1 | 10.0 | 11.4 | 7.2 | 9.8 | 9.4 | 5.4 | 7.8 | 11.5 | 1.6 | 7.4 |

OXYGEN DISSOLVED (MG/L), TOP, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | JUNE |  |  | JULY |  |  | AUGUST |  |  | SEPTEMBER |  |  |
| 1 | 7.1 | 5.6 | 6.4 | 7.2 | 5.3 | 6.2 | 10.0 | . 9 | 5.4 | 4.9 | . 1 | 2.5 |
| 2 | 7.3 | 5.7 | 6.6 | 6.5 | 4.1 | 5.7 | 9.2 | 2.5 | 5.6 | 1.5 | . 2 | . 3 |
| 3 | 7.3 | 5.6 | 6.5 | --- | --- | - | 8.3 | 3.8 | 6.2 | --- | - | - |
| 4 | --- | --- | --- | --- | --- | --- | 8.4 | 4.9 | 5.7 | 4.7 | . 3 | 1.3 |
| 5 | --- | --- | --- | --- | --- | --- | 7.0 | 4.6 | 5.5 | 5.1 | . 4 | 1.7 |
| 6 | 6.9 | 5.6 | 6.2 | 7.9 | 3.2 | 6.6 | 8.1 | 5.4 | 6.5 | 6.3 | . 1 | 2.4 |
| 7 | 6.9 | 5.7 | 6.2 | 9.3 | 5.9 | 7.3 | 6.3 | 5.1 | 5.7 | 7.1 | 1.4 | 4.0 |
| 8 | 6.3 | 5.3 | 5.8 | 7.9 | 5.9 | 6.7 | 8.0 | 5.0 | 6.2 | 7.8 | 3.8 | 6.4 |
| 9 | 5.6 | 2.4 | 4.7 | 7.2 | 4.6 | 6.5 | 7.8 | 5.9 | 6.9 | --- | -- | --- |
| 10 | 5.4 | 2.9 | 4.6 | 7.4 | 4.6 | 6.2 | 8.3 | 6.0 | 7.1 | 7.1 | 2.5 | 5.6 |
| 11 | 6.3 | 4.8 | 5.5 | 8.2 | 5.8 | 6.5 | 8.1 | 5.8 | 7.1 | 8.3 | 2.8 | 6.3 |
| 12 | 7.5 | 5.5 | 6.4 | 7.6 | 2.5 | 6.3 | 8.0 | 5.1 | 6.8 | --- | --- | --- |
| 13 | 8.5 | 5.6 | 7.2 | 7.9 | 5.6 | 6.5 | 7.2 | 6.0 | 6.6 | 6.8 | . 0 | 2.5 |
| 14 | 7.8 | 6.6 | 6.9 | 6.5 | 5.1 | 5.7 | 6.7 | 5.5 | 6.1 | 8.5 | . 3 | 4.9 |
| 15 | 7.4 | 5.0 | 6.3 | 7.7 | 4.3 | 5.9 | 6.0 | . 2 | 3.2 | 7.4 | 3.9 | 6.3 |
| 16 | 6.5 | 4.6 | 5.8 | 8.4 | 4.9 | 6.5 | 4.2 | . 1 | 1.0 | 8.9 | 5.5 | 7.0 |
| 17 | 6.2 | 4.9 | 5.6 | 9.6 | 6.1 | 7.4 | 6.5 | 4.1 | 5.1 | 7.1 | 4.9 | 6.0 |
| 18 | 6.2 | 4.9 | 5.4 | 9.1 | 6.0 | 7.0 | 5.8 | 4.4 | 5.2 | 5.9 | 3.4 | 4.4 |
| 19 | 5.8 | 4.3 | 5.2 | --- | --- | --- | 5.7 | 4.4 | 5.2 | 7.1 | 2.1 | 3.9 |
| 20 | 5.3 | 4.5 | 5.0 | --- | -- | -- | 5.7 | 4.8 | 5.2 | 9.2 | 1.7 | 5.9 |
| 21 | 5.8 | 4.8 | 5.3 | --- | --- | --- | 5.3 | 4.7 | 5.1 | --- | - | --- |
| 22 | 5.7 | 4.8 | 5.3 | -- | -- | -- | 5.2 | 3.7 | 4.8 | --- | - | --- |
| 23 | 5.9 | 5.3 | 5.5 | - | -- | --- | 4.9 | 3.1 | 3.9 | --- | --- | --- |
| 24 | 5.6 | 5.0 | 5.2 | --- | --- | --- | 4.4 | 2.8 | 3.6 | --- | --- | --- |
| 25 | 5.5 | 4.9 | 5.3 | --- | --- | --- | 5.1 | . 6 | 3.1 | --- | -- | --- |
| 26 | 6.0 | 4.4 | 5.4 | --- | -- | --- | 4.3 | . 7 | 2.2 | --- | --- | --- |
| 27 | 6.5 | 4.4 | 5.5 | 8.3 | 4.0 | 7.2 | 4.7 | . 9 | 2.6 | --- | -- | --- |
| 28 | 6.8 | 5.0 | 5.6 | 11.0 | 6.0 | 8.1 | 6.5 | 3.1 | 4.4 | --- | --- | --- |
| 29 | 6.8 | 4.7 | 5.4 | 10.1 | 1.1 | 6.1 | 5.8 | 3.4 | 4.6 | --- | --- | -- |
| 30 | 6.3 | 5.1 | 5.6 | 8.4 | 5.6 | 7.0 | --- | -- | --- | --- | --- | - |
| 31 | --- | --- | --- | 12.1 | 1.5 | 7.0 | --- | - | --- | --- | --- | --- |
| MONTH | --- | - | - | --- | --- | --- | --- | --- | --- | --- | --- | --- |

OXYGEN DISSOLVED (MG/L), BOTTOM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | OCTOBER |  |  | NOVEMBER |  |  | CEMBER |  |  | JANUARY |  |
| 1 | 1.5 | . 7 | 1.0 | 9.3 | 8.1 | 8.7 | 7.6 | 6.6 | 7.2 | 12.0 | 8.7 | 9.7 |
| 2 | 4.8 | . 8 | 2.5 | 9.1 | 7.4 | 8.3 | 9.1 | 6.6 | 7.5 | 11.1 | 8.6 | 9.8 |
| 3 | 5.1 | 1.6 | 4.0 | --- | --- | --- | 9.9 | 8.0 | 9.0 | 10.8 | 9.3 | 10.0 |
| 4 | 5.4 | 4.6 | 5.1 | 7.2 | 5.4 | 6.3 | 10.4 | 9.2 | 9.8 | 11.2 | 9.6 | 10.3 |
| 5 | 5.6 | 5.0 | 5.3 | 8.1 | 5.7 | 7.3 | 9.6 | 8.9 | 9.2 | 12.2 | 9.1 | 10.4 |
| 6 | 5.6 | 5.2 | 5.4 | 7.2 | 5.2 | 6.3 | --- | -- | -- | 11.1 | 9.3 | 10.1 |
| 7 | 6.1 | 1.5 | 3.5 | 5.8 | 3.6 | 4.8 | --- | --- | --- | 10.0 | 8.1 | 9.0 |
| 8 | 6.2 | 1.2 | 3.3 | 4.2 | 2.3 | 3.2 | --- | --- | --- | 8.7 | 7.2 | 7.7 |
| 9 | 7.4 | 1.7 | 6.2 | 3.9 | 1.7 | 2.5 | --- | --- | -- | 8.2 | 7.2 | 7.7 |
| 10 | 7.6 | 6.4 | 7.0 | 7.5 | 3.8 | 6.0 | -- | --- | --- | 9.7 | 7.5 | 8.5 |
| 11 | 7.3 | 3.2 | 5.1 | 8.0 | 5.7 | 7.0 | --- | --- | --- | 12.5 | 8.3 | 9.8 |
| 12 | 4.4 | 3.4 | 3.9 | 7.7 | 5.5 | 6.6 | --- | --- | --- | 10.8 | 8.4 | 9.5 |
| 13 | 4.4 | 3.9 | 4.1 | 6.1 | 4.7 | 5.3 | --- | -- | --- | 9.8 | 9.3 | 9.5 |
| 14 | 4.3 | 3.7 | 4.0 | 5.8 | 4.1 | 4.8 | --- | --- | --- | 9.8 | 8.8 | 9.1 |
| 15 | 3.9 | 3.2 | 3.6 | 5.2 | 2.9 | 3.7 | --- | --- | -- | 11.9 | 8.4 | 9.6 |
| 16 | 3.4 | 2.9 | 3.2 | 3.1 | 1.6 | 2.5 | --- | --- | --- | 10.9 | 7.4 | 8.9 |
| 17 | 3.1 | 1.8 | 2.7 | 3.7 | 1.1 | 2.2 | --- | --- | --- | 9.0 | 7.8 | 8.3 |
| 18 | 2.1 | . 2 | . 9 | 5.5 | 1.9 | 3.9 | --- | --- | --- | 9.6 | 7.3 | 8.6 |
| 19 | . 5 | . 1 | . 2 | 5.2 | 3.7 | 4.5 | --- | --- | --- | 11.3 | 7.8 | 9.5 |
| 20 | . 4 | . 1 | . 3 | 7.3 | 4.1 | 5.3 | --- | --- | --- | 11.3 | 8.1 | 9.7 |
| 21 | . 3 | . 2 | . 3 | 7.6 | 4.7 | 6.0 | - | --- | --- | 10.4 | 6.9 | 8.9 |
| 22 | . 3 | . 3 | . 3 | 8.1 | 5.8 | 7.4 | 10.6 | 8.1 | 9.2 | 9.4 | 6.0 | 7.8 |
| 23 | 6.7 | . 2 | 1.4 | 7.3 | 5.8 | 6.4 | 11.6 | 10.1 | 10.9 | 9.0 | 7.7 | 8.6 |
| 24 | . 2 | . 2 | . 2 | 7.5 | 5.8 | 6.6 | 10.8 | 9.1 | 10.1 | 9.3 | 6.6 | 7.7 |
| 25 | . 7 | . 1 | . 2 | 9.2 | 5.9 | 7.0 | 11.8 | 8.6 | 11.0 | -- | --- | -- |
| 26 | 3.1 | . 1 | . 4 | 8.9 | 6.1 | 7.9 | 12.0 | 10.6 | 11.4 | --- | -- | --- |
| 27 | 7.4 | . 2 | 3.4 | 8.1 | 6.4 | 7.3 | 11.2 | 9.7 | 10.6 | 12.3 | 7.9 | 9.8 |
| 28 | 8.8 | . 3 | 4.4 | 8.2 | 6.7 | 7.5 | 11.2 | 8.7 | 10.2 | 9.4 | 8.1 | 8.8 |
| 29 | 9.5 | 6.6 | 8.0 | 7.9 | 7.1 | 7.5 | 10.9 | 9.9 | 10.4 | 8.2 | 5.7 | 7.5 |
| 30 | 10.4 | 6.2 | 8.5 | 8.5 | 6.6 | 7.5 | 10.9 | 9.7 | 10.1 | 11.3 | 5.3 | 8.4 |
| 31 | 10.4 | 7.4 | 9.1 | --- | --- | --- | 11.9 | 9.6 | 10.5 | 11.9 | 6.2 | 10.1 |
| MONTH | 10.4 | . 1 | 3.5 | --- | --- | --- | --- | --- | -- | -- | --- | --- |

02092162 NEUSE RIVER AT NEW BERN, NC--Continued
OXYGEN DISSOLVED (MG/L), BOTTOM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | FEBRUARY |  |  | MARCH |  |  | APRIL |  |  | MAY |  |  |
| 1 | 8.4 | 3.5 | 5.9 | 8.9 | 6.2 | 7.9 | 7.5 | 7.0 | 7.2 | 7.0 | 6.5 | 6.8 |
| 2 | 5.5 | 3.2 | 3.9 | 6.8 | 4.9 | 5.8 | 7.6 | 7.4 | 7.5 | 7.3 | 6.8 | 7.0 |
| 3 | 7.6 | 4.2 | 6.6 | 6.2 | 4.8 | 5.6 | 7.5 | 7.0 | 7.3 | 7.6 | 6.7 | 7.0 |
| 4 | 6.1 | 4.8 | 5.5 | 6.2 | 4.9 | 5.7 | 7.7 | 7.0 | 7.2 | 9.0 | 6.7 | 7.3 |
| 5 | 7.0 | 4.4 | 5.1 | 8.2 | 4.7 | 6.5 | 7.7 | 7.1 | 7.4 | 8.7 | 6.6 | 7.6 |
| 6 | 6.0 | 2.6 | 4.1 | 10.0 | 7.7 | 9.0 | 7.8 | 7.2 | 7.5 | 9.0 | 2.2 | 6.5 |
| 7 | 6.7 | 2.1 | 3.3 | 10.0 | 8.5 | 9.4 | 7.8 | 7.1 | 7.4 | 10.4 | 5.2 | 8.4 |
| 8 | 8.3 | 2.0 | 3.6 | 9.2 | 8.1 | 8.5 | 7.4 | 6.8 | 7.0 | 8.7 | 2.9 | 5.3 |
| 9 | 8.9 | 2.1 | 5.4 | 9.1 | 7.3 | 8.3 | 6.9 | 6.3 | 6.7 | 7.6 | 1.2 | 4.6 |
| 10 | 11.2 | 8.2 | 9.6 | 8.6 | 7.2 | 7.9 | 6.8 | 6.1 | 6.4 | 4.6 | . 4 | 2.6 |
| 11 | 8.9 | 4.3 | 6.2 | 7.9 | 6.9 | 7.4 | 6.7 | 5.5 | 6.0 | 8.6 | 1.2 | 4.1 |
| 12 | 5.6 | 4.1 | 4.6 | 7.2 | 5.8 | 6.4 | 5.6 | 5.3 | 5.5 | 7.9 | 5.9 | 6.7 |
| 13 | 7.7 | 3.9 | 5.1 | 9.1 | 5.9 | 8.8 | 5.7 | 5.1 | 5.4 | 8.9 | 5.3 | 7.0 |
| 14 | 6.3 | 3.4 | 4.8 | 8.9 | 7.9 | 8.4 | 5.3 | 4.3 | 4.8 | 8.0 | 3.5 | 5.5 |
| 15 | 7.1 | 2.4 | 4.2 | 8.8 | 7.6 | 8.2 | 5.0 | 4.3 | 4.6 | 8.1 | 2.0 | 4.6 |
| 16 | 6.9 | 3.6 | 5.1 | 8.4 | 7.8 | 8.1 | 5.7 | 2.6 | 4.3 | 3.3 | 1.3 | 1.8 |
| 17 | 9.1 | 3.8 | 7.7 | 8.1 | 5.6 | 7.3 | 6.0 | 2.4 | 5.4 | 2.9 | 1.0 | 1.6 |
| 18 | 9.1 | 5.8 | 7.6 | 8.4 | 6.0 | 7.4 | 6.5 | 5.4 | 6.0 | 5.3 | . 8 | 1.8 |
| 19 | 8.0 | 4.1 | 6.4 | 7.0 | 5.6 | 6.3 | 6.6 | 5.7 | 6.0 | 3.4 | 1.0 | 2.3 |
| 20 | 7.4 | 5.0 | 6.1 | --- | --- | -- | 6.6 | 5.8 | 6.0 | 5.6 | . 7 | 1.8 |
| 21 | 6.6 | 3.8 | 5.1 | --- | --- | --- | 6.7 | 6.4 | 6.5 | 7.7 | 1.4 | 4.9 |
| 22 | 9.2 | 5.3 | 6.9 | --- | --- | --- | 6.7 | 6.1 | 6.4 | 8.6 | 6.3 | 7.4 |
| 23 | 8.9 | 7.0 | 8.4 | --- | --- | --- | 6.4 | 5.8 | 6.1 | 8.1 | 6.5 | 7.2 |
| 24 | 8.4 | 6.1 | 7.1 | --- | --- | --- | 6.3 | 6.0 | 6.1 | 7.4 | 3.9 | 5.5 |
| 25 | 9.3 | 5.3 | 7.8 | --- | --- | --- | 6.8 | 6.0 | 6.5 | 8.4 | 3.5 | 6.4 |
| 26 | 9.3 | 8.2 | 8.9 | --- | --- | --- | 7.0 | 6.4 | 6.7 | 7.9 | 6.4 | 7.2 |
| 27 | 9.3 | 7.6 | 8.7 | --- | --- | --- | 7.1 | 5.4 | 6.4 | 7.3 | 5.5 | 6.4 |
| 28 | 9.0 | 7.1 | 8.6 | 8.2 | 7.6 | 7.9 | 7.9 | 4.7 | 6.4 | 7.3 | 5.5 | 6.5 |
| 29 | --- | --- | --- | 8.7 | 7.9 | 8.2 | 7.8 | 5.4 | 6.9 | 6.5 | 2.7 | 4.5 |
| 30 | --- | --- | --- | 8.6 | 7.4 | 8.0 | 7.3 | 6.5 | 7.0 | 3.1 | 1.1 | 2.2 |
| 31 | --- | --- | --- | 7.4 | 7.2 | 7.3 | --- | --- | --- | 2.0 | . 6 | 1.1 |
| MONTH | 11.2 | 2.0 | 6.2 | --- | --- | --- | 7.9 | 2.4 | 6.4 | 10.4 | . 4 | 5.1 |
| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
|  | JUNE |  |  | JULY |  |  | AUGUST |  |  | SEPTEMBER |  |  |
| 1 | 7.1 | . 4 | 3.1 | 6.8 | 1.8 | 4.5 | . 2 | . 1 | . 1 | . 2 | . 2 | . 2 |
| 2 | 6.1 | 2.6 | 4.8 | 6.8 | . 6 | 3.9 | 1.6 | . 1 | . 1 | . 2 | . 1 | . 1 |
| 3 | 6.1 | 2.0 | 3.8 | --- | --- | --- | 2.7 | . 1 | . 5 | . 3 | . 2 | . 2 |
| 4 | 7.0 | 1.6 | 3.0 | --- | --- | --- | 4.4 | . 1 | 1.4 | . 2 | . 2 | . 2 |
| 5 | 7.0 | 1.6 | 4.8 | --- | --- | --- | 4.3 | . 1 | 3.1 | . 4 | . 2 | . 3 |
| 6 | 6.3 | 1.2 | 3.5 | 6.0 | . 1 | 1.8 | 7.5 | 1.0 | 4.6 | . 4 | . 1 | . 2 |
| 7 | 3.5 | . 2 | 1.6 | 4.5 | . 1 | 1.1 | 6.2 | 2.3 | 4.9 | . 1 | . 1 | . 1 |
| 8 | . 2 | . 0 | . 1 | 3.8 | . 3 | 1.4 | 5.2 | . 8 | 4.1 | . 1 | . 1 | . 1 |
| 9 | . 1 | . 0 | . 1 | 1.2 | . 1 | . 2 | 6.8 | . 7 | 4.3 | --- | --- | --- |
| 10 | . 1 | . 0 | . 1 | 1.4 | . 1 | . 4 | 7.8 | 5.0 | 6.2 | 6.1 | . 1 | 2.0 |
| 11 | 4.4 | . 0 | 1.1 | 2.5 | . 1 | . 5 | 7.7 | 5.6 | 6.4 | 4.8 | . 1 | 1.2 |
| 12 | 5.7 | . 6 | 3.3 | 1.2 | . 1 | . 3 | 7.5 | 5.2 | 6.4 | --- | --- | - |
| 13 | 8.0 | . 5 | 3.4 | 1.1 | . 1 | . 2 | 6.9 | 5.6 | 6.2 | . 3 | . 0 | . 1 |
| 14 | 7.3 | 5.7 | 6.7 | 1.6 | . 1 | . 3 | 6.2 | . 1 | 2.5 | 3.5 | . 0 | . 4 |
| 15 | 6.9 | 4.1 | 5.9 | 1.0 | . 1 | . 2 | . 2 | . 0 | . 1 | 6.8 | 2.3 | 4.8 |
| 16 | 5.8 | 2.2 | 4.0 | . 5 | . 1 | . 2 | . 0 | . 0 | . 0 | 8.9 | 5.2 | 6.8 |
| 17 | 2.9 | 1.3 | 1.8 | 3.4 | . 1 | . 5 | . 1 | . 0 | . 0 | 6.8 | 4.0 | 5.5 |
| 18 | 1.9 | . 3 | 1.2 | 7.6 | . 0 | 1.0 | 4.3 | . 0 | 1.0 | 4.7 | 1.3 | 2.8 |
| 19 | 2.3 | . 2 | . 7 | --- | --- | --- | 3.7 | . 0 | 1.2 | 2.6 | . 0 | . 6 |
| 20 | 4.8 | . 8 | 2.8 | --- | --- | --- | 4.9 | 3.5 | 4.1 | 1.7 | . 0 | . 2 |
| 21 | 5.4 | 3.7 | 4.9 | --- | --- | --- | 4.7 | . 0 | . 8 | --- | --- | --- |
| 22 | 6.0 | 4.9 | 5.4 | --- | --- | --- | . 0 | . 0 | . 0 | --- | --- | --- |
| 23 | 5.9 | 5.5 | 5.7 | --- | --- | --- | 1.2 | . 0 | . 1 | --- | --- | --- |
| 24 | 5.8 | 5.3 | 5.6 | --- | --- | --- | 3.3 | . 1 | 1.1 | --- | --- | --- |
| 25 | 6.1 | 5.6 | 5.7 | --- | --- | --- | . 2 | . 1 | . 1 | --- | --- | --- |
| 26 | 6.0 | 4.4 | 5.4 | --- | --- | --- | . 2 | . 2 | . 2 | --- | --- | --- |
| 27 | 5.7 | 4.4 | 5.1 | 6.9 | 1.5 | 5.0 | . 2 | . 1 | . 2 | --- | --- | --- |
| 28 | 5.3 | 3.4 | 4.5 | 6.7 | . 2 | 3.3 | 2.1 | . 1 | . 3 | --- | --- | --- |
| 29 | 4.7 | . 1 | 1.4 | 4.3 | . 1 | . 7 | . 6 | . 2 | . 3 | --- | --- | --- |
| 30 | 3.2 | . 1 | . 5 | 4.9 | . 1 | 1.4 | --- | --- | --- | - | --- | --- |
| 31 | --- | --- | - | . 1 | . 1 | . 1 | . 2 | . 1 | . 1 | --- | --- | --- |
| MONTH | 8.0 | . 0 | 3.3 | --- | --- | --- | --- | --- | --- | --- | --- | --- |

02092162 NEUSE RIVER AT NEW BERN, NC--Continued
OXYGEN DISSOLVED (\% OF SATURATION), TOP, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001


02092162 NEUSE RIVER AT NEW BERN, NC--Continued
OXYGEN DISSOLVED ( $\%$ OF SATURATION), TOP, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | JUNE |  |  | JULY |  |  | AUGUST |  |  | SEPTEMBER |  |  |
| 1 | 86 | 67 | 77 | 96 | 68 | 81 | 126 | 11 | 67 | 62 | 2 | 32 |
| 2 | 90 | 68 | 79 | 84 | 53 | 74 | 115 | 30 | 70 | 19 | 3 | 3 |
| 3 | 89 | 68 | 79 | -- | -- | --- | 103 | 47 | 77 | --- | - | - |
| 4 | --- | -- | -- | -- | --- | --- | 104 | 59 | 70 | 58 | 4 | 17 |
| 5 | --- | - | --- | --- | --- | --- | 89 | 57 | 69 | 63 | 5 | 22 |
| 6 | 87 | 69 | 78 | 102 | 41 | 85 | 105 | 68 | 83 | 79 | 2 | 30 |
| 7 | 87 | 72 | 78 | 122 | 74 | 94 | 80 | 64 | 72 | 89 | 18 | 50 |
| 8 | 80 | 66 | 72 | 101 | 74 | 85 | 106 | 64 | 80 | 99 | 48 | 80 |
| 9 | 68 | 30 | 58 | 96 | 60 | 83 | 103 | 77 | 92 | --- | --- | --- |
| 10 | 66 | 36 | 58 | 99 | 60 | 80 | 114 | 79 | 95 | 89 | 31 | 70 |
| 11 | 81 | 60 | 69 | 108 | 76 | 86 | 108 | 77 | 94 | 106 | 36 | 80 |
| 12 | 96 | 69 | 82 | 99 | 32 | 83 | 106 | 67 | 91 | --- | --- | --- |
| 13 | 110 | 72 | 92 | 103 | 70 | 83 | 96 | 79 | 87 | 83 | 0 | 31 |
| 14 | 99 | 83 | 88 | 83 | 63 | 72 | 87 | 71 | 79 | 106 | 4 | 60 |
| 15 | 93 | 63 | 78 | 103 | 55 | 75 | 78 | 2 | 41 | 89 | 48 | 76 |
| 16 | 82 | 57 | 73 | 108 | 62 | 82 | 54 | 2 | 12 | 104 | 64 | 82 |
| 17 | 76 | 60 | 68 | 123 | 76 | 93 | 85 | 54 | 66 | 83 | 57 | 70 |
| 18 | 80 | 62 | 67 | 119 | 76 | 90 | 75 | 58 | 67 | 69 | 40 | 51 |
| 19 | 72 | 54 | 64 | --- | --- | --- | 74 | 56 | 66 | 83 | 25 | 46 |
| 20 | 67 | 55 | 62 | - | --- | --- | 74 | 60 | 66 | 110 | 20 | 70 |
| 21 | 74 | 60 | 66 | - | - | - | 69 | 59 | 64 | --- | --- | -- |
| 22 | 72 | 59 | 66 | -- | - | --- | 67 | 46 | 61 | -- | --- | --- |
| 23 | 74 | 66 | 69 | --- | --- | --- | 61 | 38 | 49 | --- | --- | --- |
| 24 | 70 | 62 | 65 | - | -- | --- | 55 | 35 | 44 | --- | --- | --- |
| 25 | 70 | 62 | 66 | --- | --- | --- | 64 | 8 | 38 | - | --- | -- |
| 26 | 77 | 55 | 67 | --- | --- | --- | 54 | 9 | 27 | --- | --- | --- |
| 27 | 89 | 55 | 71 | 105 | 51 | 92 | 59 | 11 | 32 | --- | --- | --- |
| 28 | 90 | 64 | 73 | 138 | 74 | 101 | 83 | 39 | 55 | --- | --- | --- |
| 29 | 92 | 59 | 69 | 127 | 14 | 77 | 73 | 43 | 58 | --- | --- | --- |
| 30 | 83 | 65 | 73 | 106 | 69 | 87 | 59 | 42 | 50 | -- | --- | --- |
| 31 | --- | --- | --- | 155 | 19 | 87 | 63 | 4 | 43 | --- | --- | - |
| MONTH | --- | - | - | --- | -- | -- | 126 | 2 | 63 | --- | --- | --- |

OXYGEN DISSOLVED (\% OF SATURATION), BOTTOM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | OCTOBER |  | NOVEMBER |  | DECEMBER |  |  |  | JANUARY |  |  |
| 1 | 17 | 8 | 11 | 95 | 83 | 89 | 68 | 60 | 65 | 89 | 69 | 75 |
| 2 | 53 | 9 | 28 | 92 | 76 | 85 | 80 | 59 | 67 | 85 | 67 | 76 |
| 3 | 57 | 18 | 45 | --- | --- | --- | 81 | 72 | 77 | 83 | 72 | 77 |
| 4 | 60 | 52 | 56 | 73 | 55 | 64 | 85 | 76 | 81 | 86 | 74 | 79 |
| 5 | 63 | 56 | 60 | 82 | 58 | 74 | 79 | 74 | 77 | 94 | 71 | 81 |
| 6 | 63 | 59 | 61 | 73 | 53 | 65 | --- | --- | --- | 86 | 72 | 78 |
| 7 | 70 | 17 | 40 | 60 | 36 | 49 | - | - | - | 77 | 63 | 70 |
| 8 | 69 | 14 | 37 | 43 | 24 | 33 | --- | --- | --- | 67 | 56 | 60 |
| 9 | 77 | 19 | 65 | 40 | 18 | 25 | --- | --- | --- | 64 | 56 | 60 |
| 10 | 78 | 67 | 73 | 79 | 39 | 63 | --- | - | --- | 74 | 58 | 66 |
| 11 | 74 | 34 | 53 | 82 | 59 | 73 | --- | -- | --- | 96 | 64 | 76 |
| 12 | 46 | 36 | 42 | 79 | 57 | 67 | - | --- | --- | 84 | 66 | 74 |
| 13 | 47 | 41 | 44 | 62 | 48 | 54 | --- | --- | --- | 77 | 72 | 74 |
| 14 | 45 | 39 | 42 | 59 | 42 | 49 | - | -- | --- | 78 | 69 | 72 |
| 15 | 41 | 35 | 38 | 53 | 30 | 38 | --- | --- | --- | 95 | 66 | 76 |
| 16 | 36 | 31 | 34 | 31 | 17 | 26 | -- | --- | --- | 87 | 59 | 71 |
| 17 | 33 | 19 | 29 | 37 | 11 | 22 | --- | --- | --- | 72 | 62 | 66 |
| 18 | 23 | 3 | 10 | 53 | 19 | 39 | - | -- | --- | 77 | 58 | 69 |
| 19 | 6 | 1 | 2 | 51 | 36 | 44 | --- | --- | --- | 99 | 62 | 78 |
| 20 | 4 | 1 | 3 | 68 | 40 | 51 | - | --- | -- | 101 | 72 | 88 |
| 21 | 3 | 3 | 3 | 69 | 45 | 56 | --- | --- | --- | 92 | 60 | 79 |
| 22 | 3 | 3 | 3 | 72 | 52 | 66 | 89 | 71 | 80 | 81 | 51 | 67 |
| 23 | 73 | 2 | 15 | 65 | 53 | 58 | 92 | 85 | 89 | 77 | 67 | 74 |
| 24 | 2 | 2 | 2 | 67 | 53 | 59 | 89 | 76 | 83 | 79 | 57 | 66 |
| 25 | 8 | 1 | 2 | 82 | 53 | 63 | 92 | 72 | 88 | --- | --- | --- |
| 26 | 33 | 1 | 5 | 80 | 55 | 71 | 92 | 83 | 88 | --- | --- | --- |
| 27 | 80 | 2 | 36 | 72 | 57 | 65 | 88 | 77 | 84 | 100 | 66 | 81 |
| 28 | 95 | 3 | 47 | 73 | 60 | 67 | 86 | 70 | 81 | 78 | 67 | 72 |
| 29 | 102 | 70 | 86 | 71 | 64 | 67 | 85 | 78 | 82 | 67 | 47 | 61 |
| 30 | 108 | 66 | 89 | 77 | 60 | 67 | 85 | 76 | 79 | 99 | 44 | 71 |
| 31 | 106 | 78 | 94 | --- | --- | --- | 89 | 75 | 81 | 107 | 53 | 89 |
| MONTH | 108 | 1 | 37 | --- | --- | --- | --- | --- | --- | --- | --- | -- |

02092162 NEUSE RIVER AT NEW BERN, NC--Continued
OXYGEN DISSOLVED (\% OF SATURATION), BOTTOM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | FEBRUARY |  |  | MARCH |  |  | APRIL |  |  | MAY |  |  |
| 1 | 74 | 30 | 51 | 82 | 58 | 73 | 73 | 69 | 71 | 78 | 70 | 73 |
| 2 | 48 | 27 | 33 | 63 | 45 | 54 | 74 | 70 | 72 | 82 | 74 | 76 |
| 3 | 65 | 36 | 57 | 58 | 45 | 52 | 73 | 68 | 71 | 87 | 74 | 78 |
| 4 | 53 | 41 | 47 | 58 | 46 | 53 | 74 | 67 | 70 | 104 | 75 | 83 |
| 5 | 60 | 38 | 44 | 77 | 44 | 60 | 76 | 67 | 71 | 100 | 75 | 88 |
| 6 | 52 | 23 | 35 | 87 | 71 | 80 | 79 | 69 | 73 | 103 | 25 | 75 |
| 7 | 58 | 18 | 29 | 86 | 74 | 81 | 79 | 72 | 74 | 116 | 58 | 94 |
| 8 | 73 | 18 | 31 | 80 | 69 | 74 | 77 | 70 | 74 | 97 | 32 | 59 |
| 9 | 81 | 19 | 48 | 80 | 64 | 72 | 74 | 69 | 71 | 86 | 13 | 51 |
| 10 | 104 | 75 | 89 | 75 | 63 | 69 | 77 | 67 | 71 | 51 | 5 | 29 |
| 11 | 83 | 39 | 56 | 69 | 61 | 64 | 76 | 62 | 68 | 101 | 14 | 48 |
| 12 | 51 | 37 | 42 | 64 | 51 | 56 | 64 | 60 | 62 | 94 | 68 | 78 |
| 13 | 68 | 36 | 45 | 88 | 53 | 84 | 64 | 57 | 61 | 105 | 62 | 82 |
| 14 | 57 | 31 | 43 | 86 | 76 | 82 | 60 | 49 | 55 | 93 | 41 | 64 |
| 15 | 64 | 21 | 38 | 85 | 73 | 79 | 56 | 49 | 52 | 93 | 24 | 53 |
| 16 | 66 | 32 | 46 | 83 | 75 | 79 | 63 | 28 | 48 | 38 | 15 | 21 |
| 17 | 87 | 35 | 73 | 80 | 55 | 71 | 65 | 26 | 58 | 34 | 12 | 18 |
| 18 | 84 | 55 | 70 | 82 | 58 | 72 | 66 | 55 | 61 | 60 | 9 | 20 |
| 19 | 74 | 38 | 60 | 68 | 54 | 61 | 66 | 56 | 60 | 39 | 11 | 26 |
| 20 | 69 | 47 | 57 | --- | -- | --- | 67 | 58 | 61 | 68 | 8 | 20 |
| 21 | 61 | 35 | 47 | --- | --- | --- | 70 | 64 | 67 | 92 | 16 | 58 |
| 22 | 82 | 49 | 63 | --- | --- | --- | 70 | 63 | 67 | 106 | 75 | 89 |
| 23 | 78 | 63 | 74 | --- | --- | --- | 69 | 61 | 66 | 98 | 78 | 88 |
| 24 | 75 | 55 | 64 | --- | --- | --- | 70 | 65 | 67 | 89 | 47 | 67 |
| 25 | 86 | 48 | 70 | --- | --- | --- | 75 | 67 | 71 | 104 | 42 | 78 |
| 26 | 87 | 78 | 84 | -- | --- | - | 73 | 67 | 70 | 98 | 78 | 88 |
| 27 | 88 | 71 | 82 | --- | --- | --- | 74 | 56 | 67 | 90 | 67 | 78 |
| 28 | 84 | 67 | 80 | 77 | 69 | 73 | 85 | 50 | 68 | 89 | 67 | 79 |
| 29 | --- | --- | --- | 82 | 72 | 76 | 85 | 58 | 75 | 78 | 32 | 54 |
| 30 | -- | --- | --- | 81 | 73 | 77 | 79 | 70 | 74 | 37 | 14 | 26 |
| 31 | --- | --- | --- | 74 | 69 | 72 | --- | --- | - | 24 | 7 | 13 |
| MONTH | 104 | 18 | 56 | - | --- | --- | 85 | 26 | 67 | 116 | 5 | 60 |
| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
|  | JUNE |  |  | JULY |  |  | AUGUST |  |  | SEPTEMBER |  |  |
| 1 | 86 | 5 | 38 | 89 | 22 | 58 | 3 | 1 | 1 | 2 | 2 | 2 |
| 2 | 74 | 31 | 58 | 88 | 7 | 50 | 20 | 1 | 2 | 2 | 2 | 2 |
| 3 | 73 | 23 | 46 | --- | - | --- | 34 | 1 | 6 | 3 | 2 | 3 |
| 4 | 86 | 19 | 36 | --- | --- | --- | 54 | 1 | 18 | 3 | 3 | 3 |
| 5 | 86 | 19 | 59 | --- | --- | --- | 53 | 2 | 39 | 4 | 3 | 4 |
| 6 | 78 | 15 | 43 | 77 | 2 | 24 | 96 | 13 | 58 | 4 | 1 | 3 |
| 7 | 43 | 2 | 19 | 58 | 1 | 14 | 79 | 29 | 62 | 1 | 1 | 1 |
| 8 | 3 | 0 | 1 | 48 | 3 | 18 | 66 | 10 | 51 | 1 | 1 | 1 |
| 9 | 1 | 0 | 1 | 16 | 1 | 3 | 91 | 9 | 56 | --- | - | -- |
| 10 | 1 | 0 | 1 | 18 | 1 | 5 | 105 | 65 | 82 | 76 | 1 | 25 |
|  | 55 | 0 | 14 | 32 | 1 | 6 | 104 | 74 | 85 | 61 | 1 | 15 |
| 12 | 73 | 8 | 41 | 16 | 1 | 4 | 100 | 68 | 85 | --- | - | --- |
| 13 | 103 | 6 | 43 | 14 | 2 | 2 | 91 | 73 | 81 | 4 | 1 | 2 |
| 14 | 92 | 71 | 85 | 20 | 2 | 4 | 81 | 1 | 32 | 43 | 0 | 5 |
| 15 | 86 | 51 | 73 | 12 | 1 | 3 | 3 | 0 | 1 | 82 | 29 | 59 |
| 16 | 72 | 28 | 50 | 6 | 1 | 2 | 0 | 0 | 0 | 104 | 60 | 80 |
| 17 | 36 | 16 | 22 | 43 | 1 | 7 | 2 | 0 | 0 | 79 | 47 | 64 |
| 18 | 23 | 3 | 14 | 97 | 1 | 13 | 56 | 0 | 13 | 54 | 16 | 33 |
| 19 | 29 | 2 | 9 | --- | --- | --- | 47 | 0 | 15 | 30 | 0 | 7 |
| 20 | 60 | 9 | 34 | --- | --- | --- | 62 | 44 | 52 | 20 | 0 | 2 |
| 21 | 67 | 46 | 61 | - | --- | --- | 59 | 0 | 11 | --- | --- | --- |
| 22 | 76 | 60 | 67 | --- | - | --- | 0 | 0 | 0 | --- | -- | --- |
| 23 | 75 | 69 | 71 | --- | --- | -- | 15 | 0 | 1 | --- | --- | --- |
| 24 | 72 | 65 | 70 | - | --- | --- | 41 | 1 | 14 | --- | --- | --- |
| 25 | 77 | 69 | 71 | - | --- | - | 2 | 1 | 2 | -- | -- | -- |
| 26 | 75 | 54 | 67 | --- | --- | --- | 2 | 2 | 2 | - | - | - |
| 27 | 72 | 54 | 63 | 87 | 20 | 64 | 2 | 2 | 2 | --- | --- | --- |
| 28 | 66 | 43 | 56 | 84 | 2 | 41 | 26 | 2 | 4 | --- | --- | --- |
| 29 | 59 | 1 | 17 | 55 | 1 | 9 | 8 | 3 | 4 | --- | --- | --- |
| 30 | 41 | 1 | 6 | 61 | 1 | 17 | --- | - | --- | --- | --- | --- |
| 31 | --- | --- | --- | 1 | 1 | 1 | 2 | 1 | 1 | --- | --- | --- |
| MONTH | 103 | 0 | 41 | --- | --- | -- | --- | -- | -- | -- | --- | --- |

