PERIOD OF RECORD.--Water years 1947, 1955, 2000 to February 2004 (discontinued).
PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: June 2000 to February 2004.
pH: June 2000 to February 2004.
WATER TEMPERATURE: June 2000 to February 2004.
DISSOLVED OXYGEN: June 2000 to February 2004.
DISSOLVED OXYGEN, PERCENT SATURATION: June 2000 to February 2004.
TURBIDITY: October 2000 to February 2003.
INSTRUMENTATION.--Water-quality monitor with satellite telemetry from June 2000 to February 2004.
REMARKS.--Station operated in cooperation with the Middle Cape Fear River Association. The constituents were monitored at approximately 10 ft above the streambed. On June 28, 2002 the data sonde was raised to approximately 16 ft above the streambed. Beginning October 1, 2000 dissolved oxygen, percent saturation was computed using a barometric pressure of 760 mm Hg . Daily records of water temperature for water years 1947 and 1955 are available in the files of the District Office in Raleigh, NC.

## EXTREMES FOR PERIOD OF DAILY RECORD.--

| CONSTITUENT | MAXIMUM RECORDED | MINIMUM RECORDED |
| :--- | :--- | :--- |
| SPECIFIC CONDUCTANCE, microsiemens | 291, September 3, 2002 | 38, April 12, 13, 14, 2003 |
| pH, standard units | 9.6, August 25, 2002 | 5.6, August $13,14,2003$ |
| WATER TEMPERATURE, ${ }^{\circ} \mathrm{C}$ | 32.3, July 31, 2002 | 2.5, January 28, 2003 |
| DISSOLVED OXYGEN, mg/L | 13.4, January 30, 2001, January 28, 29, 2003 | 1.3 , June 14, 2002 |
| DISSOLVED OXYGEN, PERCENT SATURATION, $\% ~$ | 130, July 16, 2000 | 17, June 14, 2002 |
| TURBIDITY, NTU | 420, January 24, 2002 | 0.9, May 19, 2002 |

EXTREMES FOR CURRENT YEAR.--

| CONSTITUENT | MAXIMUM RECORDED | MINIMUM RECORDED |
| :--- | :--- | :--- |
| SPECIFIC CONDUCTANCE, microsiemens | 132, December 7, 8 | 82, October 14, 16 |
| pH, standard units | 7.6, February 3 | 5.9, October 31, November 1 |
| WATER TEMPERATURE, ${ }^{\circ} \mathrm{C}$ | 21.4, October 1 | 3.4, January 30 |
| DISSOLVED OXYGEN, mg/L | 13.3, February 2, 3, 4 | 6.1, October 12, 13 |
| DISSOLVED OXYGEN, PERCENT SATURATION, $\%$ | 104, February 3, 4 | 64, November 22, 26, 27, 29, December 1 |

02105500 CAPE FEAR RIVER AT WILLIAM O. HUSKE LOCK NEAR TARHEEL, NC—Continued
SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | OCTOBER |  |  | NOVEMBER |  |  | DECEMBER |  |  | JANUARY |  |  |
| 1 | 95 | 92 | 94 | 98 | 88 | 91 | 130 | 128 | 129 | 90 | 89 | 89 |
| 2 | 95 | 92 | 94 | 99 | 98 | 99 | 129 | 126 | 128 | 90 | 87 | 89 |
| 3 | 95 | 92 | 94 | 99 | 97 | 98 | 127 | 124 | 125 | 89 | 88 | 88 |
| 4 | 95 | 92 | 94 | 103 | 99 | 100 | 128 | 126 | 126 | 90 | 88 | 89 |
| 5 | 95 | 92 | 94 | 108 | 102 | 105 | 131 | 127 | 129 | 92 | 90 | 91 |
| 6 | 95 | 91 | 93 | 115 | 108 | 112 | 131 | 129 | 130 | 92 | 90 | 91 |
| 7 | 91 | 89 | 90 | 121 | 114 | 117 | 132 | 129 | 130 | 92 | 90 | 91 |
| 8 | 90 | 88 | 89 | 124 | 121 | 123 | 132 | 125 | 128 | 90 | 89 | 90 |
| 9 | 91 | 89 | 90 | 124 | 121 | 122 | 125 | 122 | 123 | 90 | 88 | 89 |
| 10 | 91 | 88 | 90 | 123 | 121 | 122 | 124 | 121 | 123 | 95 | 90 | 93 |
| 11 | 90 | 88 | 89 | 124 | 122 | 123 | 122 | 108 | 119 | 98 | 95 | 97 |
| 12 | 88 | 87 | 87 | 126 | 123 | 125 | 115 | 108 | 111 | 98 | 96 | 97 |
| 13 | 88 | 85 | 87 | 126 | 123 | 124 | 126 | 92 | 114 | 96 | 93 | 95 |
| 14 | 86 | 82 | 84 | 126 | 125 | 125 | 103 | 90 | 96 | 96 | 93 | 94 |
| 15 | 85 | 83 | 84 | 127 | 123 | 125 | 107 | 103 | 106 | 97 | 95 | 97 |
| 16 | 85 | 82 | 84 | 124 | 120 | 123 | 111 | 102 | 107 | 97 | 96 | 97 |
| 17 | 87 | 84 | 85 | 121 | 116 | 119 | 110 | 102 | 106 | 99 | 97 | 98 |
| 18 | 89 | 87 | 88 | 116 | 114 | 115 | 106 | 98 | 100 | 100 | 97 | 99 |
| 19 | 90 | 89 | 89 | 116 | 113 | 115 | 116 | 101 | 108 | 103 | 100 | 102 |
| 20 | 92 | 89 | 91 | 121 | 116 | 118 | 116 | 112 | 115 | 105 | 103 | 105 |
| 21 | 94 | 91 | 92 | 116 | 105 | 108 | 112 | 105 | 108 | 106 | 102 | 104 |
| 22 | 96 | 93 | 95 | 110 | 105 | 108 | 105 | 104 | 104 | 102 | 97 | 99 |
| 23 | 109 | 95 | 100 | 105 | 99 | 102 | 107 | 105 | 106 | 103 | 99 | 101 |
| 24 | 117 | 109 | 113 | 116 | 103 | 110 | 105 | 102 | 104 | 105 | 103 | 104 |
| 25 | 120 | 117 | 119 | 117 | 115 | 116 | 102 | 90 | 93 | 110 | 105 | 109 |
| 26 | 122 | 119 | 121 | 118 | 117 | 117 | 90 | 86 | 87 | 111 | 109 | 111 |
| 27 | 123 | 121 | 122 | 120 | 118 | 119 | 87 | 85 | 86 | 110 | 108 | 109 |
| 28 | 121 | 111 | 118 | 124 | 117 | 120 | 86 | 84 | 85 | 120 | 109 | 113 |
| 29 | 111 | 100 | 107 | 131 | 124 | 128 | 87 | 86 | 86 | 116 | 111 | 113 |
| 30 | 100 | 91 | 94 | 131 | 129 | 130 | 89 | 87 | 88 | 112 | 110 | 110 |
| 31 | 95 | 88 | 91 | --- | --- | --- | 90 | 89 | 89 | 111 | 110 | 111 |
| MONTH | 123 | 82 | 96 | 131 | 88 | 115 | 132 | 84 | 109 | 120 | 87 | 99 |
|  | FEBRUARY |  |  | MARCH |  |  | APRIL |  |  | MAY |  |  |
| 1 | 112 | 110 | 112 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 112 | 109 | 111 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 3 | 116 | 112 | 114 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 17 | -- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 18 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 19 | --- | -- |  | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 20 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 21 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 22 | --- | --- | -- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 23 | --- | --- | -- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 24 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 25 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 26 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 27 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 28 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 29 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 30 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 31 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MONTH | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

02105500 CAPE FEAR RIVER AT WILLIAM O. HUSKE LOCK NEAR TARHEEL, NC—Continued


02105500 CAPE FEAR RIVER AT WILLIAM O. HUSKE LOCK NEAR TARHEEL, NC—Continued

| TEMPERATURE, WATER, DEGREES CELSIUS WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004 |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
|  | OCTOBER |  |  | NOVEMBER |  |  | DECEMBER |  |  | JANUARY |  |  |
| 1 | 21.4 | 20.9 | 21.1 | 16.1 | 15.4 | 15.8 | 12.1 | 11.5 | 11.8 | 7.1 | 6.8 | 7.0 |
| 2 | 21.0 | 20.1 | 20.6 | 16.4 | 15.8 | 16.1 | 11.5 | 10.6 | 11.1 | 7.3 | 7.0 | 7.1 |
| 3 | 20.1 | 19.6 | 19.7 | 16.5 | 16.1 | 16.3 | 10.6 | 9.2 | 9.9 | 8.0 | 7.3 | 7.6 |
| 4 | 20.0 | 19.1 | 19.4 | 17.4 | 16.5 | 16.9 | 9.2 | 8.5 | 8.8 | 8.6 | 8.0 | 8.3 |
| 5 | 19.6 | 18.7 | 19.1 | 18.1 | 17.1 | 17.5 | 8.5 | 8.4 | 8.4 | 10.0 | 8.6 | 9.3 |
| 6 | 19.4 | 18.7 | 19.0 | 18.9 | 18.0 | 18.4 | 8.5 | 8.2 | 8.4 | 10.9 | 10.0 | 10.5 |
| 7 | 19.3 | 18.9 | 19.1 | 19.3 | 18.8 | 19.1 | 8.2 | 7.9 | 8.0 | 10.9 | 10.4 | 10.7 |
| 8 | 19.3 | 19.1 | 19.2 | 19.4 | 19.0 | 19.3 | 7.9 | 7.6 | 7.7 | 10.4 | 9.1 | 9.7 |
| 9 | 19.7 | 19.2 | 19.4 | 19.0 | 18.0 | 18.5 | 7.6 | 7.4 | 7.5 | 9.1 | 7.4 | 8.2 |
| 10 | 19.7 | 19.6 | 19.7 | 18.0 | 16.8 | 17.4 | 7.9 | 7.4 | 7.6 | 7.4 | 5.8 | 6.5 |
| 11 | 19.7 | 19.6 | 19.7 | 16.8 | 15.8 | 16.3 | 9.0 | 7.8 | 8.2 | 5.8 | 5.2 | 5.4 |
| 12 | 20.1 | 19.5 | 19.7 | 16.1 | 15.4 | 15.6 | 9.5 | 8.8 | 9.1 | 5.2 | 5.0 | 5.1 |
| 13 | 20.6 | 19.6 | 19.9 | 15.5 | 15.0 | 15.3 | 9.3 | 7.8 | 8.1 | 5.1 | 4.8 | 5.0 |
| 14 | 20.2 | 20.0 | 20.1 | 15.0 | 14.6 | 14.8 | 8.1 | 7.3 | 7.7 | 5.2 | 4.9 | 5.0 |
| 15 | 20.2 | 19.7 | 20.0 | 14.6 | 14.2 | 14.4 | 7.4 | 7.3 | 7.3 | 5.7 | 5.2 | 5.4 |
| 16 | 20.0 | 19.2 | 19.6 | 14.4 | 13.7 | 13.9 | 7.3 | 7.0 | 7.1 | 6.1 | 5.7 | 5.9 |
| 17 | 19.5 | 18.8 | 19.0 | 14.5 | 13.7 | 13.9 | 7.1 | 6.9 | 7.0 | 6.3 | 6.1 | 6.2 |
| 18 | 18.8 | 18.1 | 18.5 | 14.4 | 13.6 | 13.9 | 7.1 | 6.8 | 7.0 | 6.7 | 6.2 | 6.4 |
| 19 | 18.5 | 17.7 | 18.0 | 14.5 | 14.0 | 14.2 | 7.0 | 6.5 | 6.8 | 6.9 | 6.6 | 6.8 |
| 20 | 18.5 | 17.4 | 17.7 | 15.0 | 14.3 | 14.7 | 7.0 | 6.4 | 6.7 | 6.9 | 6.6 | 6.7 |
| 21 | 18.1 | 17.2 | 17.5 | 15.3 | 15.0 | 15.1 | 6.4 | 6.0 | 6.2 | 6.7 | 6.2 | 6.4 |
| 22 | 18.0 | 17.4 | 17.7 | 15.0 | 14.6 | 14.9 | 6.1 | 5.8 | 5.9 | 6.2 | 5.7 | 6.0 |
| 23 | 17.8 | 17.4 | 17.6 | 14.6 | 13.9 | 14.2 | 6.5 | 5.8 | 6.1 | 5.7 | 5.2 | 5.5 |
| 24 | 17.6 | 17.1 | 17.4 | 14.1 | 13.8 | 13.9 | 7.3 | 6.5 | 6.8 | 5.5 | 5.0 | 5.3 |
| 25 | 17.4 | 16.8 | 17.1 | 14.0 | 13.6 | 13.9 | 7.5 | 7.3 | 7.4 | 5.5 | 5.0 | 5.2 |
| 26 | 17.3 | 16.8 | 17.0 | 13.6 | 13.3 | 13.5 | 7.8 | 7.5 | 7.7 | 5.0 | 4.6 | 4.8 |
| 27 | 17.4 | 16.8 | 17.1 | 13.5 | 13.1 | 13.2 | 7.8 | 7.4 | 7.7 | 4.6 | 3.9 | 4.3 |
| 28 | 17.4 | 17.2 | 17.3 | 13.5 | 13.2 | 13.3 | 7.4 | 6.5 | 7.0 | 4.0 | 3.6 | 3.8 |
| 29 | 17.2 | 16.9 | 17.1 | 13.3 | 12.7 | 13.0 | 6.5 | 6.1 | 6.2 | 3.8 | 3.5 | 3.6 |
| 30 | 16.9 | 16.2 | 16.4 | 12.7 | 12.1 | 12.4 | 6.6 | 5.9 | 6.2 | 3.9 | 3.4 | 3.6 |
| 31 | 16.3 | 15.7 | 15.9 | --- | --- | --- | 6.9 | 6.3 | 6.6 | 4.3 | 3.9 | 4.1 |
| MONTH | 21.4 | 15.7 | 18.6 | 19.4 | 12.1 | 15.3 | 12.1 | 5.8 | 7.7 | 10.9 | 3.4 | 6.3 |
|  | FEBRUARY |  |  | MARCH |  |  | APRIL |  |  | MAY |  |  |
| 1 | 4.5 | 4.1 | 4.3 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 4.6 | 4.1 | 4.4 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 3 | 4.9 | 4.5 | 4.7 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| $11$ | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | --- | -- | --- | --- | --- | --- | --- | --- | --- | --- | --- | -- |
| 17 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 18 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 19 | --- | --- | --- | --- | --- | --- | -- | - | -- | --- | --- | --- |
| 20 |  | -- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 21 | --- | -- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 22 | --- | -- | -- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 23 | --- | --- | --- | -- | --- | --- | --- | --- | --- | --- | --- | --- |
| 24 | --- | --- | -- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 25 | --- | -- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 26 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 27 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 28 | --- | --- | --- | --- | --- | -- | -- | --- | -- | --- | --- | --- |
| 29 |  | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 30 | --- | -- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 31 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MONTH | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |


| DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004 |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
|  | OCTOBER |  |  | NOVEMBER |  |  | DECEMBER |  |  | JANUARY |  |  |
| 1 | 6.6 | 6.3 | 6.5 | 8.4 | 7.8 | 8.1 | 7.8 | 6.9 | 7.3 | 11.9 | 11.2 | 11.5 |
| 2 | 6.9 | 6.3 | 6.6 | 8.3 | 7.5 | 7.9 | 8.1 | 7.2 | 7.5 | 11.4 | 10.9 | 11.2 |
| 3 | 7.0 | 6.6 | 6.8 | 8.0 | 7.3 | 7.6 | 8.9 | 7.6 | 8.0 | 11.2 | 10.7 | 11.0 |
| 4 | 7.2 | 6.8 | 6.9 | 7.6 | 7.1 | 7.3 | 9.0 | 8.2 | 8.5 | 11.2 | 10.6 | 10.9 |
| 5 | 7.2 | 6.7 | 6.9 | 7.5 | 7.0 | 7.2 | 9.4 | 8.5 | 8.8 | 11.0 | 9.9 | 10.6 |
| 6 | 7.0 | 6.7 | 6.8 | 7.4 | 6.8 | 7.1 | 9.5 | 8.6 | 8.9 | 10.5 | 9.5 | 10.0 |
| 7 | 6.9 | 6.6 | 6.8 | 7.1 | 6.5 | 6.8 | 9.6 | 8.5 | 8.9 | 10.0 | 9.1 | 9.6 |
| 8 | 7.0 | 6.6 | 6.8 | 6.9 | 6.4 | 6.6 | 9.3 | 8.3 | 8.8 | 10.0 | 8.8 | 9.6 |
| 9 | 7.0 | 6.3 | 6.7 | 7.1 | 6.5 | 6.7 | 9.7 | 8.8 | 9.2 | 10.5 | 9.3 | 10.0 |
| 10 | 6.8 | 6.2 | 6.5 | 7.1 | 6.6 | 6.8 | 9.7 | 9.0 | 9.2 | 11.2 | 10.0 | 10.7 |
| 11 | 6.8 | 6.2 | 6.5 | 7.2 | 6.5 | 6.9 | 10.6 | 9.1 | 9.7 | 11.6 | 10.6 | 11.1 |
| 12 | 6.7 | 6.1 | 6.4 | 7.7 | 7.0 | 7.3 | 11.0 | 9.9 | 10.4 | 11.7 | 10.6 | 11.2 |
| 13 | 6.8 | 6.1 | 6.5 | 8.0 | 7.2 | 7.5 | 11.5 | 10.5 | 11.1 | 11.8 | 10.8 | 11.4 |
| 14 | 6.9 | 6.2 | 6.5 | 7.8 | 7.1 | 7.5 | 11.9 | 11.0 | 11.4 | 12.1 | 11.1 | 11.6 |
| 15 | 6.8 | 6.3 | 6.6 | 7.9 | 7.0 | 7.3 | 11.8 | 11.5 | 11.6 | 12.2 | 11.1 | 11.6 |
| 16 | 7.0 | 6.5 | 6.7 | 7.6 | 7.0 | 7.2 | 12.1 | 11.4 | 11.8 | 11.8 | 10.9 | 11.4 |
| 17 | 7.2 | 6.6 | 6.9 | 7.6 | 7.0 | 7.3 | 12.4 | 11.8 | 12.1 | 11.5 | 10.3 | 11.1 |
| 18 | 7.4 | 6.7 | 7.0 | 7.8 | 7.1 | 7.4 | 12.2 | 11.7 | 11.9 | 11.5 | 10.6 | 11.1 |
| 19 | 7.6 | 7.0 | 7.2 | 7.8 | 7.2 | 7.5 | 12.2 | 11.8 | 12.0 | 11.6 | 10.6 | 11.2 |
| 20 | 7.7 | 7.1 | 7.4 | 8.0 | 7.0 | 7.4 | 12.4 | 11.9 | 12.2 | 11.5 | 10.6 | 11.1 |
| 21 | 7.8 | 7.0 | 7.3 | 7.5 | 6.5 | 6.8 | 12.5 | 12.0 | 12.2 | 11.4 | 10.8 | 11.1 |
| 22 | 7.9 | 7.1 | 7.5 | 7.1 | 6.5 | 6.7 | 12.6 | 12.0 | 12.3 | 11.7 | 10.9 | 11.4 |
| 23 | 8.0 | 7.1 | 7.5 | 7.3 | 6.6 | 6.9 | 12.6 | 12.0 | 12.3 | 12.1 | 11.1 | 11.7 |
| 24 | 7.9 | 7.4 | 7.6 | 7.6 | 6.9 | 7.1 | 12.4 | 11.7 | 12.1 | 12.5 | 11.2 | 11.8 |
| 25 | 8.0 | 7.3 | 7.6 | 7.6 | 6.7 | 7.0 | 12.0 | 11.3 | 11.6 | 12.2 | 11.0 | 11.8 |
| 26 | 8.6 | 7.2 | 7.7 | 7.6 | 6.7 | 7.0 | 11.6 | 10.8 | 11.2 | 12.1 | 11.0 | 11.8 |
| 27 | 8.2 | 7.5 | 7.7 | 7.5 | 6.7 | 6.9 | 11.3 | 10.6 | 11.0 | 12.3 | 11.4 | 11.9 |
| 28 | 8.1 | 7.4 | 7.7 | 7.4 | 6.8 | 7.1 | 11.6 | 10.9 | 11.3 | 12.7 | 11.5 | 12.1 |
| 29 | 8.3 | 7.6 | 7.9 | 7.6 | 6.8 | 7.1 | 12.0 | 11.3 | 11.7 | 12.8 | 11.7 | 12.4 |
| 30 | 8.3 | 7.5 | 7.9 | 7.5 | 6.9 | 7.1 | 12.0 | 11.5 | 11.8 | 13.1 | 11.9 | 12.7 |
| 31 | 8.3 | 7.6 | 8.0 | --- | --- | --- | 12.1 | 11.3 | 11.7 | 13.1 | 12.2 | 12.7 |
| MONTH | 8.6 | 6.1 | 7.1 | 8.4 | 6.4 | 7.2 | 12.6 | 6.9 | 10.6 | 13.1 | 8.8 | 11.3 |
|  | FEBRUARY |  |  | MARCH |  |  | APRIL |  |  | MAY |  |  |
| 1 | 13.1 | 12.2 | 12.7 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 13.3 | 12.2 | 12.8 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 3 | 13.3 | 12.4 | 12.9 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4 | , | , | , | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | -- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 17 | --- | -- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 18 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 19 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 20 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 21 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 22 | --- | -- | --- | - | --- | --- | --- | --- | --- | --- | --- | --- |
| 23 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 24 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 25 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 26 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 27 | --- | --- | --- | --- | --- | --- | --- | -- | --- | --- | --- | --- |
| 28 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 29 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 30 | --- | --- | --- | --- | --- | --- | --- | --- | -- | --- | --- | --- |
| 31 |  | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MONTH | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

02105500 CAPE FEAR RIVER AT WILLIAM O. HUSKE LOCK NEAR TARHEEL, NC—Continued

| DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004 |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
|  | OCTOBER |  |  | NOVEMBER |  |  | DECEMBER |  |  | JANUARY |  |  |
| 1 | 75 | 71 | 73 | 85 | 79 | 82 | 72 | 64 | 67 | 98 | 92 | 95 |
| 2 | 77 | 70 | 73 | 84 | 77 | 80 | 73 | 66 | 69 | 95 | 90 | 92 |
| 3 | 77 | 72 | 75 | 82 | 75 | 78 | 78 | 68 | 71 | 95 | 90 | 92 |
| 4 | 79 | 74 | 75 | 78 | 74 | 76 | 78 | 71 | 74 | 96 | 91 | 93 |
| 5 | 79 | 72 | 75 | 78 | 73 | 76 | 80 | 73 | 76 | 96 | 87 | 93 |
| 6 | 76 | 72 | 74 | 79 | 73 | 75 | 81 | 73 | 76 | 94 | 86 | 90 |
| 7 | 75 | 71 | 74 | 76 | 71 | 74 | 81 | 72 | 76 | 91 | 82 | 86 |
| 8 | 76 | 71 | 74 | 75 | 69 | 72 | 78 | 70 | 74 | 87 | 78 | 84 |
| 9 | 76 | 69 | 73 | 75 | 69 | 72 | 81 | 74 | 77 | 88 | 80 | 85 |
| 10 | 74 | 68 | 71 | 75 | 68 | 71 | 82 | 75 | 77 | 91 | 83 | 87 |
| 11 | 75 | 68 | 71 | 74 | 67 | 71 | 90 | 77 | 83 | 92 | 84 | 88 |
| 12 | 74 | 67 | 70 | 78 | 70 | 73 | 95 | 86 | 91 | 92 | 83 | 88 |
| 13 | 76 | 68 | 71 | 80 | 72 | 75 | 97 | 91 | 94 | 93 | 85 | 89 |
| 14 | 76 | 68 | 72 | 77 | 70 | 74 | 99 | 93 | 96 | 95 | 87 | 91 |
| 15 | 75 | 69 | 73 | 78 | 69 | 72 | 98 | 96 | 97 | 96 | 88 | 92 |
| 16 | 77 | 71 | 74 | 74 | 68 | 70 | 100 | 95 | 98 | 95 | 88 | 91 |
| 17 | 78 | 71 | 74 | 74 | 68 | 71 | 102 | 97 | 99 | 93 | 84 | 90 |
| 18 | 79 | 72 | 75 | 77 | 69 | 72 | 101 | 97 | 98 | 94 | 86 | 90 |
| 19 | 80 | 74 | 76 | 77 | 70 | 74 | 101 | 97 | 99 | 95 | 87 | 92 |
| 20 | 82 | 74 | 78 | 79 | 69 | 73 | 102 | 97 | 100 | 94 | 87 | 91 |
| 21 | 82 | 73 | 77 | 75 | 65 | 68 | 101 | 97 | 99 | 93 | 88 | 90 |
| 22 | 83 | 74 | 79 | 70 | 64 | 66 | 101 | 96 | 99 | 94 | 88 | 91 |
| 23 | 84 | 75 | 79 | 71 | 65 | 68 | 102 | 97 | 99 | 96 | 88 | 93 |
| 24 | 83 | 77 | 80 | 74 | 67 | 69 | 102 | 97 | 99 | 99 | 88 | 93 |
| 25 | 84 | 75 | 79 | 74 | 65 | 68 | 100 | 94 | 97 | 97 | 87 | 93 |
| 26 | 90 | 76 | 80 | 73 | 64 | 67 | 97 | 91 | 94 | 95 | 86 | 92 |
| 27 | 86 | 77 | 80 | 71 | 64 | 66 | 95 | 89 | 92 | 96 | 88 | 91 |
| 28 | 85 | 77 | 80 | 71 | 65 | 68 | 96 | 90 | 94 | 97 | 87 | 92 |
| 29 | 86 | 79 | 82 | 73 | 64 | 67 | 97 | 92 | 94 | 97 | 89 | 94 |
| 30 | 85 | 77 | 81 | 70 | 65 | 67 | 97 | 92 | 95 | 100 | 90 | 96 |
| 31 | 84 | 78 | 81 | --- | --- | --- | 98 | 93 | 96 | 101 | 94 | 97 |
| MONTH | 90 | 67 | 76 | 85 | 64 | 72 | 102 | 64 | 89 | 101 | 78 | 91 |
|  | FEBRUARY |  |  | MARCH |  |  | APRIL |  |  | MAY |  |  |
| 1 | 101 | 94 | 98 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 103 | 94 | 99 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 3 | 104 | 96 | 101 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 17 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 18 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 19 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 20 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 21 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 22 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 23 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 24 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 25 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 26 | --- | --- | --- | --- | --- | -- | --- | --- | --- | --- | --- | --- |
| 27 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 28 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 29 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 30 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 31 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MONTH | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

