LOCATION.--Lat 34°04'35", long 77°55'53", New Hanover County, Hydrologic Unit 03030005, at U.S. Coast Guard Channel Marker 12.

DRAINAGE AREA.--9,000 mi<sup>2</sup>.

PERIOD OF RECORD.--November 2003 to December 2004 (discontinued).

PERIOD OF DAILY RECORD .--

SPECIFIC CONDUCTANCE (TOP AND BOTTOM): November 2003 to December 2004.

SALINITY (TOP AND BOTTOM): November 2003 to December 2004.

pH (TOP AND BOTTOM): November 2003 to December 2004. WATER TEMPERATURE (TOP AND BOTTOM): November 2003 to December 2004.

DISSOLVED OXYGEN (TOP AND BOTTOM): November 2003 to December 2004.

DISSOLVED OXYGEN, PERCENT SATURATION (TOP AND BOTTOM): November 2003 to December 2004.

INSTRUMENTATION.--Water-quality monitor with satellite telemetry from November 2003 to December 2004.

REMARKS.--Station operated in cooperation with the North Carolina Department of Environment and Natural Resources. Salinity and dissolved oxygen, percent saturation are computed. The salinity is computed from specific conductance using the conversion from U.S. Geological Survey Water Supply Paper 2311. The dissolved oxygen, percent saturation is computed using a barometric pressure of 760 mm of Hg.

EXTREMES FOR PERIOD OF DAILY RECORD .--

| CONSTITUENT                                     | MAXIMUM RECORDED               | MINIMUM RECORDED         |
|---|--------------------------------|--------------------------|
| SPECIFIC CONDUCTANCE (TOP), microsiemens        | 40,100, November 14, 2004      | 140, August 22, 2004     |
| SPEICIFC CONDUCTANCE (BOTTOM), microsiemens     | 44,900, November 14, 2004      | 100, August 22, 2004     |
| SALINITY (TOP), ppt                             | 25.6, November 14, 2004        | .06, August 21, 22, 2004 |
| SALINITY (BOTTOM), ppt                          | 29.0, November 14, 2004        | .04, August 22, 2004     |
| pH (TOP), standard units                        | 8.4, June 22, 2004             | 6.2, August 22, 2004     |
| pH (BOTTOM), standard units                     | 8.3, June 23, 25, 2004         | 5.7, August 22, 2004     |
| WATER TEMPERATURE (TOP), °C                     | 31.2, August 4, 2004           | 4.9, February 2, 2004    |
| WATER TEMPERATURE (BOTTOM), °C                  | 30.5, July 10, 2004            | 5.6, January 29, 2004    |
| DISSOLVED OXYGEN (TOP), mg/L                    | 11.3, February 8, 10, 11, 2004 | 3.4, September 16, 2004  |
| DISSOLVED OXYGEN (BOTTOM), mg/L                 | 10.9, February 12, 2004        | 2.9, July 30, 2004       |
| DISSOLVED OXYGEN, PERCENT SATURATION (TOP),%    | 133, June 23, 2004             | 41, September 16, 2004   |
| DISSOLVED OXYGEN, PERCENT SATURATION (BOTTOM),% | 117, June 23, 2004             | 37, July 30, 2004        |

### 02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, NC—Continued

# SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS, TOP WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

| DAY   | MAX  | MIN  | MEAN   | MAX  | MIN   | MEAN  | MAX  | MIN   | MEAN   | MAX  | MIN   | MEAN   |
|---|--|--|--|--|---|---|--|---|--|--|---|--|
|   |  | OCTOBER  |  | N  | OVEMBE  | R   | D  | ECEMBE  | R  |  | JANUARY   |  |
| 1<br>2<br>3<br>4<br>5   | <br><br>   | <br><br>   | <br><br><br>   | <br><br>   | <br><br><br>  | <br><br>  | 25,700<br>26,700<br>28,000<br>33,800<br>32,700   | 11,300<br>11,400<br>12,200<br>15,000<br>16,700  | 16,600<br>16,100<br>18,900<br>22,400<br>24,600   | 21,100<br>22,400<br>23,800<br>25,800<br>27,400   | 7,310<br>8,100<br>9,270<br>11,100<br>12,400   | 11,700<br>13,300<br>14,700<br>16,200<br>18,000   |
| 6<br>7<br>8<br>9<br>10  | <br><br>   | <br><br>   | <br><br><br>   | 26,200<br>25,300<br>30,200   | 6,200<br>6,060<br>8,280   | 13,000<br>13,800<br>16,800  | 32,300<br>33,100<br>33,500<br>33,100<br>32,600   | 19,700<br>18,800<br>18,900<br>19,500<br>18,100  | 24,000<br>24,200<br>25,000<br>24,500<br>24,900   | 27,300<br>28,900<br>31,700<br>32,400<br>33,700   | 9,100<br>11,600<br>13,200<br>15,800<br>14,900   | 16,900<br>18,000<br>20,500<br>21,600<br>21,400   |
| 11<br>12<br>13<br>14<br>15  | <br><br>   | <br><br>   | <br><br><br>   | 30,800<br>27,600<br>24,100<br>20,900<br>23,300   | 11,600<br>11,600<br>10,200<br>7,680<br>9,170  | 17,800<br>16,600<br>14,400<br>12,400<br>14,500  | 30,700<br>25,600<br>25,100<br>27,100<br>16,100   | 16,600<br>10,300<br>7,110<br>7,790<br>5,600   | 21,300<br>16,600<br>13,500<br>14,300<br>9,080  | 32,600<br>32,300<br>31,500<br>31,600<br>33,900   | 16,100<br>19,000<br>17,900<br>17,200<br>15,600  | 23,200<br>23,800<br>22,700<br>22,600<br>22,500   |
| 16<br>17<br>18<br>19<br>20  | <br><br>   | <br><br>   | <br><br><br>   | 25,700<br>26,100<br>30,100<br>30,500<br>30,800   | 11,600<br>12,400<br>14,400<br>17,700<br>15,900  | 15,600<br>16,900<br>19,800<br>23,000<br>21,400  | 16,700<br>14,700<br>12,300<br>12,300<br>11,600   | 4,580<br>3,060<br>2,410<br>1,160<br>630   | 7,720<br>6,660<br>5,800<br>4,770<br>4,060  | 31,600<br>32,900<br>34,800<br>33,000<br>33,800   | 16,800<br>17,700<br>17,900<br>17,200<br>16,800  | 22,600<br>23,500<br>24,900<br>23,600<br>24,500   |
| 21<br>22<br>23<br>24<br>25  | <br><br>   | <br><br>   | <br><br><br>   | 33,400<br>32,600<br>32,200<br>30,800<br>32,300   | 17,500<br>17,500<br>15,400<br>13,500<br>12,400  | 23,600<br>22,800<br>21,500<br>21,100<br>19,800  | 14,300<br>15,200<br>16,200<br>19,800<br>17,000   | 370<br>700<br>540<br>770<br>1,030   | 5,000<br>5,390<br>5,630<br>6,420<br>6,050  | 35,700<br>34,600<br>34,400<br>34,400<br>35,900   | 18,300<br>19,100<br>17,900<br>17,500<br>16,800  | 25,800<br>25,500<br>24,100<br>23,800<br>24,300   |
| 26<br>27<br>28<br>29<br>30<br>31  | <br><br><br>   | <br><br>   | <br><br><br>   | 33,300<br>32,900<br>30,400<br>26,100<br>27,500   | 12,000<br>13,200<br>13,600<br>9,800<br>10,800   | 20,700<br>20,900<br>20,500<br>15,300<br>16,900  | 18,900<br>20,800<br>20,400<br>19,900<br>20,400<br>21,800   | 2,010<br>3,250<br>4,030<br>4,680<br>5,500<br>6,660  | 7,110<br>8,350<br>8,960<br>9,570<br>9,650<br>10,600  | 37,000<br>32,800<br>30,000<br>26,600<br>26,800<br>27,900   | 18,900<br>17,800<br>14,100<br>13,000<br>11,800<br>12,100  | 25,300<br>23,200<br>19,500<br>18,100<br>17,000<br>16,800   |
|   |  |  |  |  |   |   | 22.000   | 250   |  | 27.000   | 7.210   | 21 000   |
| MONTH   |  |  |  |  |   |   | 33,800   | 370   | 13,200   | 37,000   | 7,310   | 21,000   |
| MONTH   |  | FEBRUARY   |  |  | MARCH   |   | 33,800   | APRIL   | 13,200   | 37,000   | 7,310<br>MAY  | 21,000   |
| MONTH  1 2 3 4 5  |  |  |  | 16,200<br>11,800<br>12,500<br>16,200<br>16,300   |   | 8,710<br>6,690<br>6,410<br>7,550<br>7,680   | 33,800<br><br>33,700<br>34,700<br>34,800<br>35,100   |   | 13,200<br>27,900<br>27,600<br>27,900<br>27,200   | 37,000   |   | 21,000<br><br><br><br>   |
| 1<br>2<br>3<br>4  | 30,600<br>34,100<br>33,200<br>30,700   | 12,600<br>13,300<br>15,900<br>17,700   | 18,500<br>22,100<br>24,100<br>22,800   | 16,200<br>11,800<br>12,500<br>16,200   | MARCH<br>4,200<br>3,940<br>3,320<br>3,520   | 8,710<br>6,690<br>6,410<br>7,550  | 33,700<br>34,700<br>34,800   | APRIL 24,300 23,300 23,500  | 27,900<br>27,600<br>27,900   | <br><br>   | MAY   | <br><br>   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9   | 30,600<br>34,100<br>33,200<br>30,700<br>33,200<br>33,100<br>29,100<br>24,500<br>26,300   | 12,600<br>13,300<br>15,900<br>17,700<br>16,500<br>16,500<br>11,200<br>8,780<br>9,070   | 18,500<br>22,100<br>24,100<br>22,800<br>22,800<br>22,900<br>23,600<br>18,700<br>14,700<br>15,200   | 16,200<br>11,800<br>12,500<br>16,200<br>16,300<br>16,900<br>15,500<br>18,100<br>23,200   | MARCH 4,200 3,940 3,320 3,520 3,820 2,600 1,140 1,630 3,110   | 8,710<br>6,690<br>6,410<br>7,550<br>7,680<br>7,210<br>5,900<br>6,340<br>9,800   | 33,700<br>34,700<br>34,800<br>35,100<br>35,900<br>35,800<br>34,900<br>36,200   | APRIL 24,300 23,300 23,500 21,900 21,700 20,700 20,800 18,100   | 27,900<br>27,600<br>27,900<br>27,200<br>27,200<br>27,200<br>26,900<br>25,900   | <br><br><br>19,900<br>17,700<br>17,500   | MAY 1,950 1,260 2,360   | <br><br><br><br>8,070<br>6,580<br>6,620  |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14   | 30,600<br>34,100<br>33,200<br>30,700<br>33,200<br>33,100<br>29,100<br>24,500<br>26,300<br>23,700<br>21,200<br>23,300<br>23,100<br>23,400   | 12,600<br>13,300<br>15,900<br>17,700<br>16,500<br>11,200<br>8,780<br>9,070<br>8,090<br>7,330<br>6,220<br>6,070<br>6,430  | 18,500<br>22,100<br>22,100<br>24,100<br>22,800<br>22,900<br>23,600<br>14,700<br>15,200<br>13,600<br>12,000<br>11,700<br>11,800<br>11,600   | 16,200<br>11,800<br>12,500<br>16,200<br>16,300<br>16,900<br>15,500<br>18,100<br>23,200<br>23,100<br>25,800<br>23,100<br>21,100<br>23,800   | MARCH 4,200 3,940 3,320 3,520 3,820 2,600 1,140 1,630 3,110 4,920 8,510 9,020 7,370 7,280   | 8,710<br>6,690<br>6,410<br>7,550<br>7,680<br>7,210<br>5,900<br>6,340<br>9,800<br>11,100<br>13,800<br>12,500<br>12,200   | 33,700<br>34,700<br>34,800<br>35,100<br>35,900<br>35,800<br>34,900<br>36,200<br>35,500<br>34,300<br>31,700<br>30,900<br>28,600   | APRIL 24,300 23,300 23,500 21,900 21,700 20,700 20,800 18,100 19,600 17,400 17,800 17,000 9,830   | 27,900<br>27,600<br>27,900<br>27,200<br>27,200<br>26,900<br>25,900<br>26,400<br>25,000<br>24,100<br>23,600<br>17,500   | 19,900<br>17,700<br>17,500<br>15,800<br>14,100<br>13,000<br>14,400<br>15,600   | MAY 1,950 1,260 2,360 2,970 2,470 2,510 3,250 3,640   | 8,070<br>6,580<br>6,620<br>6,570<br>6,410<br>6,920<br>8,160  |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19                               | 30,600<br>34,100<br>33,200<br>30,700<br>33,200<br>33,100<br>24,500<br>26,300<br>23,700<br>21,200<br>23,300<br>23,100<br>23,400<br>23,900<br>21,700<br>25,800<br>23,100   | 12,600<br>13,300<br>15,900<br>17,700<br>16,500<br>16,500<br>11,200<br>8,780<br>9,070<br>8,090<br>7,330<br>6,220<br>6,070<br>6,430<br>5,540<br>5,290<br>6,150<br>8,220<br>8,020 | 18,500<br>22,100<br>24,100<br>22,800<br>22,900<br>23,600<br>18,700<br>14,700<br>15,200<br>13,600<br>11,700<br>11,800<br>11,600<br>11,600<br>11,600<br>13,800<br>13,900<br>13,500                                     | 16,200<br>11,800<br>12,500<br>16,200<br>16,300<br>16,900<br>15,500<br>18,100<br>23,200<br>23,100<br>21,100<br>23,800<br>21,100<br>23,200<br>23,300<br>23,300<br>26,300<br>25,700   | MARCH  4,200 3,940 3,320 3,520 3,820 2,600 1,140 1,630 3,110 4,920 8,510 9,020 7,370 7,280 8,310 8,830 9,540 10,100 11,000                            | 8,710<br>6,690<br>6,410<br>7,550<br>7,680<br>7,210<br>5,900<br>6,340<br>9,800<br>11,100<br>13,900<br>13,800<br>12,500<br>12,200<br>12,900<br>14,500<br>15,300<br>17,300<br>16,800                               | 33,700<br>34,700<br>34,800<br>35,100<br>35,800<br>35,800<br>36,200<br>35,500<br>34,300<br>31,700<br>30,900<br>24,800<br>24,600<br>22,700<br>19,400<br>18,200   | APRIL 24,300 23,300 23,500 21,900 21,700 20,800 18,100 19,600 17,400 17,800 17,000 9,830 9,000 9,020 10,200 7,040 4,210                               | 27,900<br>27,600<br>27,900<br>27,200<br>27,200<br>26,900<br>25,900<br>26,400<br>25,000<br>24,100<br>23,600<br>17,500<br>14,600<br>15,800<br>15,200<br>12,500<br>10,000       | 19,900<br>17,700<br>17,500<br>15,800<br>14,100<br>13,000<br>14,400<br>15,600<br>18,800<br>22,000<br>24,000<br>25,800<br>26,800   | MAY 1,950 1,260 2,360 2,970 2,470 2,510 3,250 3,640 4,920 5,870 7,740 9,910 10,900                                    | 8,070<br>6,580<br>6,620<br>6,520<br>6,570<br>6,410<br>6,920<br>8,160<br>9,760<br>11,400<br>13,300<br>15,100<br>16,600  |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24 | 30,600<br>34,100<br>33,200<br>30,700<br>33,200<br>29,100<br>24,500<br>26,300<br>23,700<br>21,200<br>23,400<br>23,400<br>23,900<br>21,700<br>25,800<br>25,800<br>20,500<br>16,400<br>16,200<br>21,200<br>21,000 | 12,600 13,300 15,900 17,700 16,500 16,500 11,200 8,780 9,070 8,090 7,330 6,220 6,070 6,430 5,540 5,290 6,150 8,220 8,020 5,780 2,350 750 1,860 3,350                           | 18,500<br>22,100<br>24,100<br>22,800<br>22,900<br>23,600<br>18,700<br>14,700<br>15,200<br>13,600<br>11,700<br>11,800<br>11,600<br>11,600<br>11,600<br>13,800<br>13,500<br>10,900<br>7,200<br>6,020<br>6,880<br>8,610 | 16,200<br>11,800<br>12,500<br>16,200<br>16,300<br>16,900<br>15,500<br>18,100<br>23,200<br>23,100<br>21,100<br>23,800<br>21,100<br>23,800<br>21,100<br>23,200<br>23,300<br>26,300<br>25,700<br>28,400<br>24,800<br>21,500<br>22,500 | MARCH  4,200 3,940 3,320 3,520 3,820 2,600 1,140 1,630 3,110 4,920 8,510 9,020 7,370 7,280 8,310 8,830 9,540 10,100 11,000 11,000 10,100 10,200 7,630 | 8,710<br>6,690<br>6,410<br>7,550<br>7,680<br>7,210<br>5,900<br>6,340<br>9,800<br>11,100<br>13,800<br>12,200<br>12,200<br>12,200<br>12,300<br>17,300<br>17,300<br>17,300<br>15,600<br>12,500<br>12,500<br>12,500 | 33,700<br>34,700<br>34,800<br>35,100<br>35,800<br>34,900<br>36,200<br>35,500<br>34,300<br>31,700<br>30,900<br>28,600<br>24,800<br>24,600<br>22,700<br>19,400<br>16,500<br>17,900<br>15,900<br>14,500<br>15,400 | APRIL 24,300 23,300 23,500 21,900 21,700 20,800 18,100 19,600 17,400 17,800 17,000 9,830 9,000 9,020 10,200 7,040 4,210 4,180 3,990 3,450 3,810 4,060 | 27,900<br>27,600<br>27,900<br>27,200<br>27,200<br>26,900<br>25,900<br>26,400<br>23,600<br>17,500<br>14,600<br>15,200<br>12,500<br>10,000<br>8,860<br>8,640<br>7,680<br>7,570 | 19,900<br>17,700<br>17,500<br>15,800<br>14,100<br>13,000<br>14,400<br>15,600<br>18,800<br>22,000<br>24,000<br>25,800<br>24,600<br>25,800<br>25,800<br>25,800<br>25,800<br>25,800<br>25,800<br>25,800<br>25,800<br>25,800<br>25,800<br>25,800<br>25,800<br>25,800<br>25,800<br>25,800<br>25,800 | MAY 1,950 1,260 2,360 2,970 2,470 2,510 3,250 3,640 4,920 5,870 7,740 9,910 10,900 11,500 12,200 13,800 14,800 15,200 | 8,070<br>6,580<br>6,520<br>6,520<br>6,520<br>6,570<br>6,410<br>6,920<br>8,160<br>9,760<br>11,400<br>13,300<br>15,100<br>16,600<br>16,200<br>16,600<br>17,700<br>18,600<br>18,900 |

## SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS, TOP—CONTINUED WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

| DAY                              | MAX  | MIN  | MEAN   | MAX  | MIN  | MEAN   | MAX  | MIN   | MEAN  | MAX  | MIN  | MEAN   |
|----------------------------------|--|--|--|--|--|--|--|---|---|--|--|--|
|                                  |  | JUNE   |  |  | JULY   |  |  | AUGUST  |   | Si   | EPTEMBE  | i.R  |
| 1<br>2<br>3<br>4<br>5            | 37,000<br>38,300<br>38,100<br>37,700<br>38,800 | 22,400<br>22,600<br>22,000<br>22,800<br>21,900 | 27,800<br>28,700<br>28,600<br>28,800<br>28,800 | 37,100<br>37,300<br>36,300<br>36,700<br>36,900           | 21,800<br>20,700<br>19,100<br>19,000<br>19,100           | 27,700<br>27,500<br>26,500<br>25,900<br>25,600           | 38,900<br>39,000<br>38,000<br>37,100<br>36,200           | 25,000<br>23,700<br>20,700<br>22,200<br>21,900      | 31,400<br>30,500<br>28,600<br>27,500<br>27,400          | 18,600<br>17,400<br>15,700<br>11,600<br>13,800 | 4,000<br>3,030<br>2,850<br>2,430<br>1,880      | 9,600<br>7,220<br>6,430<br>5,180<br>4,490      |
| 6<br>7<br>8<br>9<br>10           | 38,800<br>38,400<br>38,000<br>35,500<br>35,400 | 24,000<br>23,700<br>22,500<br>21,500<br>20,700 | 29,600<br>29,700<br>29,000<br>27,700<br>26,900 | 34,700<br>34,400<br>34,800<br>33,500<br>31,500           | 18,800<br>20,600<br>21,000<br>20,600<br>19,500           | 24,900<br>26,100<br>26,100<br>25,600<br>24,800           | 33,300<br>33,000<br>32,700<br>30,300<br>30,800           | 19,000<br>18,400<br>19,600<br>18,600<br>17,200      | 24,200<br>24,200<br>23,700<br>23,200<br>22,600          | 10,000<br>14,800<br>14,900<br>10,600<br>9,290  | 2,670<br>2,820<br>4,410<br>4,090<br>2,100      | 4,940<br>6,120<br>8,610<br>6,980<br>4,300      |
| 11<br>12<br>13<br>14<br>15       | 34,200<br>32,200<br>34,500<br>34,100<br>34,100 | 20,600<br>19,700<br>20,900<br>21,400<br>21,600 | 25,900<br>25,400<br>26,600<br>26,700<br>26,800 | 32,300<br>31,400<br>32,800<br>34,300<br>34,400           | 18,800<br>18,500<br>20,500<br>21,300<br>21,400           | 24,000<br>23,900<br>24,900<br>25,500<br>26,300           | 31,000<br>32,600<br>29,500<br>28,300<br>23,000           | 19,200<br>20,700<br>20,200<br>18,000<br>8,560       | 23,900<br>24,800<br>24,100<br>22,900<br>16,200          | 13,500<br>11,800<br>15,000<br>15,000<br>13,000 | 2,150<br>2,580<br>3,260<br>3,430<br>2,100      | 4,610<br>5,220<br>6,510<br>6,930<br>5,490      |
| 16<br>17<br>18<br>19<br>20       | 34,000<br>34,000<br>34,300<br>36,000<br>35,800 | 20,900<br>20,000<br>19,800<br>19,400<br>19,800 | 26,100<br>25,600<br>25,400<br>25,400<br>25,200 | 34,700<br>36,500<br>35,500<br>35,200<br>35,000           | 22,100<br>23,500<br>22,800<br>22,200<br>22,500           | 26,900<br>28,200<br>27,200<br>27,000<br>27,200           | 18,300<br>13,800<br>12,600<br>9,780<br>9,010             | 5,220<br>3,350<br>1,850<br>570<br>250               | 10,300<br>7,350<br>5,450<br>3,690<br>2,580              | 10,200<br>10,300<br>5,700<br>10,000<br>28,200  | 380<br>250<br>200<br>170<br>2,850              | 3,360<br>3,310<br>1,830<br>3,350<br>8,300      |
| 21<br>22<br>23<br>24<br>25       | 36,000<br>36,200<br>34,600<br>32,000<br>32,400 | 22,700<br>24,400<br>22,500<br>21,000<br>20,600 | 27,300<br>28,300<br>27,500<br>25,700<br>26,100 | 35,100<br>36,300<br>36,400<br>35,200<br>35,000           | 23,400<br>24,300<br>25,000<br>23,800<br>21,800           | 28,000<br>29,000<br>29,600<br>28,500<br>27,400           | 7,260<br>4,650<br>10,300<br>13,500<br>15,900             | 160<br>140<br>400<br>2,050<br>3,090                 | 2,170<br>1,420<br>2,840<br>5,060<br>6,900               | 29,100   | <br><br>8,190                                  | 14,000   |
| 26<br>27<br>28<br>29<br>30<br>31 | 34,300<br>34,700<br>36,000<br>36,100<br>36,300 | 22,400<br>22,100<br>22,100<br>20,300<br>21,100 | 26,900<br>27,400<br>27,400<br>27,100<br>27,700 | 36,400<br>37,400<br>38,200<br>37,500<br>38,700<br>38,900 | 22,900<br>24,500<br>25,400<br>22,600<br>22,900<br>24,300 | 28,600<br>30,100<br>30,600<br>29,700<br>29,300<br>30,800 | 22,600<br>23,200<br>24,900<br>28,100<br>27,200<br>20,600 | 3,820<br>6,920<br>8,520<br>10,500<br>9,040<br>6,220 | 9,280<br>12,200<br>14,600<br>16,900<br>16,500<br>12,200 | 27,900<br>29,300<br>29,100<br>27,200<br>28,800 | 11,700<br>12,900<br>16,200<br>12,200<br>11,500 | 18,400<br>20,800<br>21,900<br>18,300<br>18,100 |
| MONTH                            | 38,800   | 19,400   | 27,200   | 38,900   | 18,500   | 27,200   | 39,000   | 140   | 16,300  |  |  |  |

### 02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, NC—Continued

# SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS, TOP WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

| DAY            | MAX                        | MIN                        | MEAN                       | MAX                        | MIN                        | MEAN                       | MAX        | MIN    | MEAN   | MAX  | MIN     | MEAN |
|----------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|------------|--------|--------|------|---------|------|
|                |                            | OCTOBER                    | 1                          | N                          | OVEMBE                     | ER                         | D          | ECEMBE | R      | Į    | IANUARY | Y    |
| 1<br>2<br>3    | 28,400<br>25,400<br>21,800 | 11,200<br>10,300<br>7,610  | 17,600<br>15,400<br>11,900 | 33,700<br>34,000<br>31,200 | 20,300<br>19,800<br>20,900 | 25,700<br>25,400<br>24,400 | 26,900<br> | 12,400 | 17,000 | <br> |         | <br> |
| 4<br>5         | 20,000<br>15,900           | 6,340<br>6,370             | 10,700<br>9,230            | 33,300<br>33,500           | 20,500<br>20,900           | 26,200<br>24,800           |            |        |        |      |         |      |
| 6 7            | 23,000<br>26,000           | 6,430<br>8,200             | 10,100<br>12,000           | 33,000<br>33,200           | 22,000<br>23,600           | 26,200<br>27,500           |            |        |        |      |         |      |
| 8<br>9<br>10   | 29,300<br>31,600<br>32,400 | 10,000<br>12,800<br>19,000 | 16,200<br>20,900<br>25,000 | 34,300<br>37,600<br>37,800 | 25,300<br>25,000<br>27,700 | 28,400<br>30,800<br>32,900 |            |        |        |      |         |      |
| 11<br>12       | 34,100<br>36,100           | 22,800<br>26,000           | 27,700<br>30,000           | 39,000<br>40,000           | 28,800<br>29,100           | 33,700<br>34,500           |            |        |        |      |         |      |
| 13<br>14       | 36,900<br>37,100           | 26,400<br>26,700           | 31,300<br>31,000           | 38,900<br>40,100           | 27,200<br>26,100           | 32,500<br>32,700           |            |        |        |      |         |      |
| 15<br>16       | 38,200<br>36,300           | 25,800<br>23,300           | 30,600<br>28,400           | 40,000<br>39,700           | 27,300<br>25,600           | 33,000<br>31,700           |            |        |        |      |         |      |
| 17<br>18       | 34,600<br>33,800           | 20,000<br>17,600           | 25,700<br>24,500           | 37,600<br>35,600           | 23,500<br>20,200           | 29,500<br>26,500           |            |        |        |      |         |      |
| 19<br>20       | 32,200<br>31,300           | 18,200<br>16,600           | 24,100<br>22,400           | 33,300<br>32,500           | 17,900<br>16,700           | 24,300<br>22,600           |            |        |        |      |         |      |
| 21<br>22<br>23 | 35,200<br>36,800<br>36,700 | 17,300<br>21,100<br>24,100 | 24,300<br>27,500<br>30,400 | 29,900<br>31,500<br>32,500 | 15,300<br>16,300<br>16,800 | 21,400<br>22,600<br>23,700 |            |        |        |      |         |      |
| 24<br>25       | 37,500<br>38,000           | 27,200<br>28,200           | 32,200<br>32,600           | 32,700<br>32,700<br>33,200 | 17,700<br>19,100           | 24,700<br>23,700           |            |        |        |      |         |      |
| 26<br>27       | 38,100<br>38,000           | 27,600<br>26,900           | 32,400<br>31,800           | 30,900<br>31,900           | 14,900<br>14,100           | 21,100<br>21,900           |            |        |        |      |         |      |
| 28<br>29       | 37,400<br>37,000           | 25,700<br>24,400           | 30,500<br>30,200           | 29,500<br>27,700           | 15,600<br>12,000           | 20,400<br>17,900           |            |        |        |      |         |      |
| 30<br>31       | 36,800<br>34,800           | 23,700<br>23,100           | 29,200<br>27,600           | 28,200                     | 11,900                     | 17,800                     |            |        |        |      |         |      |
| MONTH          | 38,200                     | 6,340                      | 24,300                     | 40,100                     | 11,900                     | 26,300                     |            |        |        |      |         |      |

# SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS, BOTTOM WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

| DAY                              | MAX  | MIN                                       | MEAN   | MAX  | MIN  | MEAN   | MAX  | MIN  | MEAN   | MAX  | MIN  | MEAN   |
|----------------------------------|--|---|--|--|--|--|--|--|--|--|--|--|
|                                  |  | OCTOBER                                   | -  | N  | OVEMBE   | R  | Г  | DECEMBE  | R  |  | JANUARY  |  |
| 1<br>2<br>3<br>4                 | <br><br>                                       | <br><br>                                  | <br><br>                                       | <br><br>                                       | <br><br>                                       | <br><br>                                       | 30,000<br>29,700<br>32,100<br>35,800           | 12,500<br>12,100<br>13,600<br>16,600           | 20,300<br>20,200<br>23,000<br>27,100           | 27,100<br>29,700<br>29,900<br>29,000                     | 8,060<br>8,190<br>9,530<br>10,900                        | 17,000<br>18,900<br>19,400<br>19,200                     |
| 5<br>6<br>7                      |  |   |  |  | <br>   |  | 35,500<br>32,600<br>33,400                     | 18,600<br>19,700<br>19,300                     | 27,200<br>25,700<br>26,100                     | 27,600<br>29,300<br>32,600                               | 12,100<br>11,800<br>13,500                               | 19,000<br>19,100<br>22,400                               |
| 8<br>9<br>10                     | <br><br>                                       | <br><br>                                  | <br><br>                                       | 30,700<br>30,900<br>30,400                     | 6,490<br>6,500<br>8,880                        | 16,500<br>18,400<br>20,200                     | 34,900<br>34,800<br>34,000                     | 19,300<br>19,300<br>19,800<br>18,600           | 26,700<br>26,200<br>26,000                     | 33,200<br>34,500<br>35,100                               | 15,200<br>16,900<br>15,300                               | 23,700<br>24,300<br>24,700                               |
| 11<br>12<br>13<br>14<br>15       | <br><br>                                       | <br><br>                                  |  | 30,700<br>29,900<br>26,400<br>27,700<br>30,200 | 12,200<br>12,400<br>10,800<br>8,660<br>10,400  | 20,000<br>18,700<br>16,000<br>17,000<br>20,200 | 31,200<br>28,100<br>31,600<br>31,600<br>23,800 | 16,300<br>12,000<br>9,210<br>9,140<br>6,820    | 22,200<br>19,000<br>18,800<br>20,200<br>12,800 | 34,700<br>33,400<br>32,200<br>33,700<br>35,100           | 17,300<br>20,000<br>19,000<br>18,000<br>16,600           | 26,400<br>25,800<br>24,500<br>25,400<br>25,000           |
| 16<br>17<br>18<br>19<br>20       | <br><br><br>                                   | <br><br>                                  | <br><br>                                       | 32,900<br>31,200<br>33,100<br>32,400<br>32,800 | 12,200<br>13,700<br>15,900<br>17,800<br>17,000 | 21,000<br>22,000<br>23,700<br>24,700<br>23,500 | 20,000<br>19,000<br>17,900<br>15,400<br>15,300 | 4,740<br>3,150<br>2,320<br>1,120<br>828        | 10,600<br>9,380<br>8,040<br>6,480<br>5,810     | 33,800<br>34,700<br>35,600<br>34,700<br>35,900           | 17,500<br>18,300<br>18,300<br>18,200<br>17,100           | 25,700<br>26,200<br>26,500<br>25,700<br>26,800           |
| 21<br>22<br>23<br>24<br>25       | <br><br><br>                                   | <br><br><br>                              | <br><br>                                       | 34,600<br>34,400<br>33,800<br>33,500<br>32,900 | 17,600<br>18,600<br>16,200<br>14,100<br>12,600 | 25,400<br>24,700<br>23,300<br>22,800<br>21,700 | 17,800<br>19,300<br>18,400<br>20,100<br>19,100 | 471<br>989<br>824<br>995<br>1,350              | 7,030<br>7,390<br>7,220<br>7,950<br>7,760      | 36,100<br>36,000<br>35,600<br>35,500<br>37,700           | 19,000<br>19,700<br>18,500<br>18,100<br>17,100           | 27,200<br>26,900<br>25,700<br>25,900<br>26,900           |
| 26<br>27<br>28<br>29<br>30       | <br><br>                                       | <br><br>                                  | <br><br>                                       | 34,200<br>34,300<br>32,500<br>27,600<br>31,300 | 12,400<br>13,700<br>14,400<br>9,970<br>11,800  | 23,100<br>23,200<br>22,200<br>17,600<br>20,700 | 21,800<br>25,300<br>25,000<br>24,300<br>24,100 | 2,090<br>3,300<br>4,370<br>5,980<br>5,840      | 9,030<br>11,100<br>12,200<br>13,000<br>13,000  | 37,800<br>34,400<br>32,700<br>30,700<br>30,300           | 20,000<br>18,200<br>14,900<br>14,100<br>12,600           | 28,400<br>26,400<br>23,400<br>22,200<br>21,800           |
| 31<br>MONTH                      |  |   |  |  |  |  | 26,000<br>35,800                               | 7,100<br>471                                   | 15,300<br>15,900                               |  |  |  |
|                                  |  | FEBRUARY                                  |  |  | MARCH  |  | 22,222   | APRIL  | ,,   |  | MAY  |  |
| 1<br>2<br>3<br>4<br>5            | <br><br>                                       | <br><br>                                  | <br><br>                                       | 25,900<br>22,300<br>19,600<br>21,500<br>20,700 | 5,050<br>3,890<br>3,570<br>3,940<br>4,020      | 13,300<br>8,340<br>7,860<br>8,820<br>8,880     | 35,300<br>36,000<br>36,400<br>37,100           | 24,900<br>23,500<br>23,500<br>22,100           | 28,500<br>28,500<br>28,500<br>27,600           | <br><br>   | <br><br>   | <br><br>   |
| 6<br>7<br>8<br>9<br>10           | <br><br><br>                                   | <br><br>                                  | <br><br>                                       | 18,900<br>19,100<br>21,000<br>27,900<br>29,300 | 2,680<br>1,380<br>1,940<br>3,540<br>5,510      | 7,850<br>6,600<br>7,260<br>11,300<br>13,400    | 37,400<br>37,400<br>36,400<br>37,900<br>38,700 | 22,600<br>21,000<br>21,300<br>19,600<br>20,500 | 27,700<br>27,300<br>27,600<br>28,300<br>28,200 | 24,800<br>23,000<br>23,800<br>24,500                     | 2,750<br>1,860<br>2,540<br>3,160                         | 10,200<br>9,160<br>9,380<br>9,740                        |
| 11<br>12<br>13<br>14<br>15       | 26,300<br>27,000<br>28,200<br>27,900<br>28,200 | 7,820<br>6,630<br>7,050<br>6,640<br>5,950 | 14,900<br>15,600<br>15,900<br>15,300<br>16,200 | 28,400<br>27,700<br>26,900<br>29,100<br>30,100 | 7,500<br>9,930<br>8,690<br>8,430<br>9,410      | 15,700<br>15,700<br>15,000<br>15,800<br>16,100 | 35,800<br>35,200<br>34,600<br>30,400           | 18,700<br>18,600<br>16,900<br>10,500           | 26,000<br>25,400<br>24,400<br>20,200           | 23,500<br>22,200<br>22,500<br>23,900<br>25,900           | 2,980<br>3,470<br>3,680<br>4,090<br>5,460                | 9,950<br>10,200<br>10,400<br>11,800<br>13,400            |
| 16<br>17<br>18<br>19<br>20       | 28,900<br>30,100<br>28,800<br>26,600<br>24,900 | 5,710<br>7,380<br>8,820<br>8,930<br>6,100 | 17,000<br>18,100<br>16,900<br>15,800<br>13,000 | 30,000<br>30,300<br>31,800<br>29,800<br>31,500 | 9,840<br>10,500<br>11,700<br>11,900<br>11,500  | 17,500<br>18,500<br>19,600<br>18,800<br>19,400 | <br><br><br>                                   | <br><br><br>                                   | <br><br><br>                                   | 28,800<br>29,700<br>30,600<br>30,600<br>30,100           | 6,860<br>8,780<br>11,200<br>11,900<br>12,000             | 15,200<br>16,700<br>18,300<br>19,700<br>19,700           |
| 21<br>22<br>23<br>24<br>25       | 19,600<br>20,800<br>24,100<br>26,100<br>32,200 | 2,910<br>1,240<br>2,290<br>3,580<br>6,540 | 8,760<br>8,430<br>9,740<br>13,300<br>17,900    | 28,300<br>28,600<br>28,600<br>                 | 10,800<br>7,850<br>8,060<br>                   | 17,200<br>16,100<br>16,100<br>                 | <br><br><br>                                   | <br><br>                                       | <br><br><br>                                   | 30,100<br>31,200<br>31,500<br>32,300<br>32,400           | 13,000<br>14,300<br>15,500<br>16,100<br>16,000           | 20,200<br>21,300<br>21,800<br>22,500<br>23,000           |
| 26<br>27<br>28<br>29<br>30<br>31 | 34,900<br>33,100<br>32,200<br>30,500           | 8,070<br>14,100<br>13,800<br>7,940<br>    | 21,600<br>22,600<br>23,900<br>18,600           | <br><br><br>                                   | <br><br><br>                                   | <br><br><br>                                   | <br><br><br>                                   | <br><br><br>                                   | <br><br><br>                                   | 31,600<br>33,100<br>35,100<br>36,400<br>37,700<br>37,200 | 16,400<br>16,100<br>17,400<br>18,600<br>20,400<br>22,800 | 23,800<br>25,000<br>26,100<br>26,900<br>29,200<br>29,200 |
| MONTH                            |  |   |  |  |  |  |  |  |  |  |  |  |

02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, NC—Continued

### SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS, BOTTOM—CONTINUED WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

| DAY                              | MAX  | MIN  | MEAN   | MAX  | MIN  | MEAN   | MAX  | MIN  | MEAN   | MAX  | MIN  | MEAN   |
|----------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|
|                                  |  | JUNE   |  |  | JULY   |  |  | AUGUST   |  | S  | ЕРТЕМВЕ  | i.R  |
| 1<br>2<br>3<br>4<br>5            | 38,800<br>39,800<br>40,400<br>40,800<br>41,000 | 23,100<br>23,500<br>22,400<br>24,000<br>24,000 | 29,700<br>30,200<br>30,300<br>30,800<br>31,400 | 38,900<br>39,400<br>38,200<br>37,600<br>39,500           | 22,400<br>21,600<br>13,200<br>16,700<br>20,100           | 29,500<br>29,500<br>25,800<br>27,100<br>28,600           | 40,600<br>40,700<br>41,400<br>40,400<br>39,000           | 25,500<br>24,900<br>22,200<br>23,200<br>22,500       | 33,000<br>32,400<br>31,100<br>30,400<br>29,800           | 25,500<br>23,900<br>24,100<br>22,200<br>25,800 | 4,770<br>3,760<br>3,690<br>3,030<br>2,520      | 13,200<br>11,300<br>11,600<br>10,700<br>12,100 |
| 6<br>7<br>8<br>9<br>10           | 42,200<br>42,400<br>41,400<br>38,800<br>37,900 | 25,600<br>25,400<br>24,400<br>23,100<br>22,200 | 32,500<br>32,600<br>31,700<br>30,400<br>30,100 | 38,600<br>38,500<br>36,800<br>37,700<br>37,800           | 20,700<br>21,900<br>21,900<br>21,700<br>21,100           | 28,500<br>28,800<br>29,000<br>29,200<br>29,000           | 37,300<br>39,100<br>37,300<br>36,000<br>36,900           | 19,400<br>19,800<br>20,600<br>20,200<br>19,600       | 28,000<br>29,800<br>29,500<br>28,400<br>29,200           | 27,100<br>30,900<br>23,600<br>15,500<br>19,700 | 2,800<br>5,320<br>6,100<br>3,930<br>2,670      | 14,500<br>17,500<br>12,300<br>8,600<br>8,320   |
| 11<br>12<br>13<br>14<br>15       | 36,500<br><br><br>                             | 21,800<br><br><br>                             | 29,400<br><br><br>                             | 38,200<br>38,700<br>37,400<br>37,800<br>38,700           | 20,400<br>20,400<br>21,700<br>22,400<br>22,700           | 29,200<br>29,800<br>29,400<br>28,700<br>29,300           | 37,600<br>36,600<br>32,900<br>31,000<br>27,200           | 21,500<br>21,800<br>21,000<br>19,500<br>10,300       | 29,600<br>28,400<br>26,400<br>24,800<br>18,500           | 23,600<br>25,800<br>25,400<br>24,600<br>19,700 | 2,700<br>2,990<br>3,850<br>4,250<br>2,490      | 10,100<br>11,500<br>11,700<br>11,000<br>8,110  |
| 16<br>17<br>18<br>19<br>20       | 36,100<br>37,100<br>37,900<br>39,300<br>40,400 | 22,200<br>21,700<br>20,900<br>21,200<br>20,800 | 28,100<br>28,100<br>28,400<br>29,500<br>31,300 | 38,800<br>37,800<br>37,900<br>38,600<br>38,800           | 23,600<br>24,800<br>23,500<br>24,100<br>24,100           | 30,000<br>30,600<br>29,400<br>30,400<br>30,500           | 24,000<br>21,700<br>20,800<br>17,100<br>27,800           | 6,030<br>3,750<br>2,130<br>860<br>240                | 13,500<br>10,300<br>8,150<br>5,790<br>4,660              | 15,200<br>16,100<br>12,100<br>21,900<br>33,900 | 530<br>300<br>220<br>190<br>3,000              | 5,550<br>5,320<br>3,670<br>7,000<br>17,500     |
| 21<br>22<br>23<br>24<br>25       | 40,700<br>39,300<br>36,500<br>35,900<br>36,500 | 24,300<br>23,900<br>23,800<br>22,500<br>22,400 | 31,600<br>30,500<br>29,200<br>28,900<br>29,400 | 38,500<br>38,600<br>38,900<br>38,300<br>38,800           | 25,100<br>25,900<br>26,200<br>25,300<br>24,000           | 31,300<br>31,900<br>32,300<br>31,200<br>31,300           | 14,100<br>11,600<br>22,000<br>22,800<br>25,300           | 210<br>100<br>590<br>2,350<br>3,520                  | 3,770<br>2,760<br>6,470<br>9,760<br>12,300               | 29,500<br>32,600                               | 9,860<br>10,000                                | 19,100<br>20,800                               |
| 26<br>27<br>28<br>29<br>30<br>31 | 36,700<br>38,700<br>38,000<br>38,500<br>38,800 | 22,700<br>23,100<br>22,900<br>22,100<br>22,300 | 29,200<br>30,700<br>30,000<br>29,400<br>30,000 | 39,500<br>39,600<br>39,700<br>39,600<br>40,500<br>40,900 | 24,400<br>25,700<br>26,200<br>24,100<br>23,600<br>25,700 | 32,100<br>32,400<br>32,100<br>31,300<br>31,300<br>32,500 | 28,500<br>29,300<br>30,000<br>29,300<br>27,000<br>25,900 | 5,250<br>7,690<br>9,370<br>11,000<br>10,100<br>7,470 | 15,400<br>16,700<br>18,500<br>19,300<br>17,900<br>15,000 | 32,600<br>32,900<br>31,900<br>30,800<br>33,000 | 13,600<br>15,700<br>17,300<br>13,400<br>12,800 | 23,000<br>23,800<br>23,700<br>21,300<br>22,300 |
| MONTH                            |  |  |  | 40,900   | 13,200   | 30,100   | 41,400   | 100  | 19,700   |  |  |  |

# SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS, BOTTOM WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

| DAY                              | MAX  | MIN  | MEAN   | MAX  | MIN  | MEAN   | MAX                | MIN                | MEAN         | MAX          | MIN          | MEAN         |
|----------------------------------|--|--|--|--|--|--|--------------------|--------------------|--------------|--------------|--------------|--------------|
|                                  |  | OCTOBER  |  | N  | OVEMBE   | R  | Ε                  | DECEMBE            | R            | J            | JANUAR'      | Y            |
| 1<br>2<br>3<br>4<br>5            | 33,600<br>31,600<br>30,000<br>29,700<br>32,400           | 12,800<br>11,000<br>7,870<br>7,180<br>7,180              | 21,800<br>19,400<br>17,200<br>17,500<br>19,200           | 38,100<br>38,500<br>38,000<br>40,400<br>38,100 | 23,600<br>24,000<br>25,100<br>25,900<br>26,300 | 31,300<br>32,400<br>32,500<br>34,700<br>33,000 | 32,800<br><br><br> | 14,300<br><br><br> | 23,100       | <br><br><br> | <br><br>     | <br><br>     |
| 6<br>7<br>8<br>9<br>10           | 37,000<br>40,300<br>42,300<br>41,400<br>37,200           | 7,470<br>21,400<br>27,400<br>25,700<br>23,600            | 26,900<br>32,800<br>36,900<br>35,000<br>31,900           | 38,000<br>37,100<br>37,600<br>39,500<br>39,900 | 26,300<br>26,700<br>26,700<br>27,100<br>28,500 | 33,400<br>32,700<br>32,100<br>34,300<br>35,300 | <br><br><br>       | <br><br>           | <br><br>     | <br><br>     | <br><br>     | <br><br>     |
| 11<br>12<br>13<br>14<br>15       | 36,800<br>37,600<br>38,600<br>38,600<br>39,800           | 24,200<br>26,200<br>27,300<br>27,400<br>26,800           | 30,500<br>31,800<br>32,700<br>32,400<br>32,500           | 40,700<br>41,700<br>41,000<br>44,900<br>41,400 | 30,100<br>30,700<br>28,300<br>27,500<br>28,500 | 35,700<br>36,300<br>34,500<br>35,500<br>35,400 | <br><br>           | <br><br><br>       | <br><br><br> | <br><br><br> | <br><br>     | <br><br>     |
| 16<br>17<br>18<br>19<br>20       | 38,700<br>37,900<br>38,000<br>36,500<br>37,600           | 24,500<br>21,300<br>20,400<br>19,800<br>19,100           | 30,800<br>28,900<br>28,900<br>28,300<br>28,600           | 41,700<br>40,800<br>38,700<br>37,400<br>36,300 | 28,200<br>26,000<br>22,700<br>20,100<br>18,500 | 34,600<br>32,800<br>31,000<br>29,500<br>28,300 | <br><br><br>       | <br><br>           | <br><br><br> | <br><br><br> | <br><br>     | <br><br>     |
| 21<br>22<br>23<br>24<br>25       | 40,500<br>41,400<br>40,900<br>41,200<br>41,200           | 21,700<br>24,900<br>27,100<br>29,300<br>30,300           | 32,500<br>34,600<br>35,100<br>35,600<br>35,700           | 34,800<br>35,700<br>36,200<br>36,300<br>35,500 | 17,800<br>17,900<br>19,800<br>19,800<br>20,100 | 27,200<br>28,200<br>28,200<br>28,200<br>26,400 | <br><br><br>       | <br><br><br>       | <br><br><br> | <br><br><br> | <br><br>     | <br><br>     |
| 26<br>27<br>28<br>29<br>30<br>31 | 41,200<br>41,200<br>41,200<br>40,900<br>40,700<br>38,800 | 29,900<br>28,700<br>28,000<br>27,500<br>26,900<br>25,700 | 35,500<br>35,100<br>34,300<br>34,100<br>33,400<br>32,100 | 34,400<br>36,300<br>33,900<br>33,500<br>35,300 | 16,700<br>16,600<br>17,200<br>13,800<br>15,900 | 25,600<br>27,500<br>25,200<br>24,000<br>25,800 | <br><br><br>       | <br><br><br>       | <br><br><br> | <br><br><br> | <br><br><br> | <br><br><br> |
| MONTH                            | 42,300   | 7,180  | 30,400   | 44,900   | 13,800   | 31,100   |                    |                    |              |              |              |              |

### 02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, NC—Continued

# SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

| DAY                              | MAX                                  | MIN                              | MEAN                                 | MAX                                  | MIN                               | MEAN                                 | MAX  | MIN                                    | MEAN                                   | MAX  | MIN                                      | MEAN   |
|----------------------------------|--------------------------------------|----------------------------------|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|--|--|--|--|--|--|
|                                  |                                      | OCTOBER                          |                                      | N                                    | OVEMBE                            | R                                    | Γ  | DECEMBE                                | R                                      |  | JANUARY                                  | 7  |
| 1<br>2<br>3<br>4<br>5            | <br><br>                             | <br><br>                         | <br><br><br>                         | <br><br><br>                         | <br><br>                          | <br><br>                             | 15.7<br>16.4<br>17.2<br>21.2<br>20.4         | 6.4<br>6.5<br>7.0<br>8.7<br>9.8        | 9.8<br>9.4<br>11.2<br>13.5<br>15.0     | 12.7<br>13.5<br>14.4<br>15.8<br>16.8         | 4.0<br>4.5<br>5.2<br>6.3<br>7.1          | 6.7<br>7.7<br>8.5<br>9.5<br>10.7             |
| 6<br>7<br>8<br>9<br>10           | <br><br>                             | <br><br>                         | <br><br><br>                         | 16.0<br>15.4<br>18.7                 | 3.4<br>3.3<br>4.6                 | 7.6<br>8.1                           | 20.1<br>20.7<br>21.0<br>20.7<br>20.3         | 11.7<br>11.1<br>11.2<br>11.6<br>10.7   | 14.6<br>14.7<br>15.2<br>14.9<br>15.2   | 16.8<br>17.8<br>19.7<br>20.2<br>21.1         | 5.1<br>6.6<br>7.6<br>9.2<br>8.6          | 10<br>10.7<br>12.3<br>13.0<br>12.8           |
| 11<br>12<br>13<br>14<br>15       | <br><br>                             | <br><br>                         | <br><br>                             | 19.1<br>17.0<br>14.6<br>12.5<br>14.1 | 6.6<br>6.6<br>5.7<br>4.2<br>5.1   | 10.6<br>9.8<br>8.3<br>7.1<br>8.4     | 19.0<br>15.6<br>15.3<br>16.6<br>9.4          | 9.7<br>5.8<br>3.9<br>4.3<br>3.0        | 12.8<br>9.8<br>7.8<br>8.3<br>5.1       | 20.3<br>20.1<br>19.6<br>19.6<br>21.2         | 9.4<br>11.3<br>10.5<br>10.1<br>9.1       | 14.0<br>14.5<br>13.7<br>13.7<br>13.6         |
| 16<br>17<br>18<br>19<br>20       | <br><br>                             | <br><br>                         | <br><br>                             | 15.7<br>16.0<br>18.6<br>18.9<br>19.1 | 6.6<br>7.1<br>8.3<br>10.4<br>9.3  | 9.1<br>9.9<br>11.8<br>13.9<br>12.8   | 9.8<br>8.5<br>7.0<br>7.0<br>6.6              | 2.4<br>1.6<br>1.2<br>0.6<br>0.3        | 4.3<br>3.7<br>3.2<br>2.6<br>2.2        | 19.6<br>20.5<br>21.9<br>20.6<br>21.2         | 9.8<br>10.4<br>10.5<br>10.1<br>9.8       | 13.7<br>14.3<br>15.2<br>14.3<br>14.9         |
| 21<br>22<br>23<br>24<br>25       | <br><br>                             | <br><br>                         | <br><br><br>                         | 20.9<br>20.3<br>20.1<br>19.1<br>20.1 | 10.3<br>10.3<br>9.0<br>7.8<br>7.1 | 14.3<br>13.8<br>12.9<br>12.7<br>11.9 | 8.3<br>8.8<br>9.5<br>11.8                    | 0.2<br>0.3<br>0.2<br>0.4<br>0.5        | 2.7<br>3.0<br>3.1<br>3.6<br>3.3        | 22.5<br>21.7<br>21.6<br>21.6<br>22.6         | 10.8<br>11.3<br>10.5<br>10.3<br>9.8      | 15.8<br>15.6<br>14.7<br>14.4<br>14.8         |
| 26<br>27<br>28<br>29<br>30<br>31 | <br><br><br>                         | <br><br><br>                     | <br><br><br>                         | 20.8<br>20.5<br>18.8<br>16.0<br>16.9 | 6.8<br>7.6<br>7.8<br>5.5<br>6.1   | 12.4<br>12.5<br>12.3<br>9.0<br>9.9   | 11.2<br>12.5<br>12.2<br>11.9<br>12.2<br>13.1 | 1.0<br>1.7<br>2.1<br>2.5<br>3.0<br>3.6 | 4.0<br>4.7<br>5.0<br>5.4<br>5.4<br>6.0 | 23.4<br>20.5<br>18.6<br>16.3<br>16.4<br>17.2 | 11.2<br>10.5<br>8.1<br>7.5<br>6.7<br>6.9 | 15.5<br>14.0<br>11.6<br>10.7<br>10<br>9.9    |
| MONTH                            |                                      |                                  |                                      |                                      |                                   |                                      | 21.2   | 0.2                                    | 7.7                                    | 23.4   | 4.0                                      | 12.6   |
|                                  |                                      | FEBRUARY                         | <i>I</i>                             |                                      | MARCH                             |                                      |  | APRIL                                  |  |  | MAY                                      |  |
| 1<br>2<br>3<br>4<br>5            | 19.0<br>21.4<br>20.8<br>19.0<br>20.8 | 7.2<br>7.6<br>9.3<br>10.4<br>9.6 | 11.0<br>13.4<br>14.6<br>13.8<br>13.8 | 9.5<br>6.7<br>7.2<br>9.5<br>9.5      | 2.2<br>2.1<br>1.7<br>1.8<br>2.0   | 4.9<br>3.7<br>3.5<br>4.2<br>4.3      | 21.1<br>21.8<br>21.9<br>22.1                 | 14.7<br>14.1<br>14.2<br>13.2           | 17.2<br>17.0<br>17.2<br>16.7           | <br><br>                                     | <br><br>                                 | <br><br>                                     |
| 6<br>7<br>8<br>9<br>10           | 20.7<br>18.0<br>14.9<br>16.1<br>14.4 | 9.6<br>6.4<br>4.9<br>5.1<br>4.5  | 14.3<br>11.1<br>8.6<br>8.9<br>7.9    | 9.9<br>9.0<br>10.7<br>14.0<br>14.0   | 1.3<br>0.6<br>0.8<br>1.6<br>2.6   | 4.0<br>3.3<br>3.5<br>5.6<br>6.3      | 22.6<br>22.6<br>21.9<br>22.8<br>22.4         | 13.0<br>12.4<br>12.5<br>10.7<br>11.7   | 17.0<br>16.7<br>16.5<br>15.8<br>16.2   | 11.9<br>10.4<br>10.3<br>9.2                  | 1.0<br>0.6<br>1.2<br>1.5                 | 4.5<br>3.6<br>3.7<br>3.6                     |
| 11<br>12<br>13<br>14<br>15       | 12.7<br>14.1<br>14.0<br>14.2<br>14.5 | 4.0<br>3.4<br>3.3<br>3.5<br>3.0  | 6.9<br>6.7<br>6.8<br>6.7<br>6.6      | 15.8<br>14.0<br>12.7<br>14.4<br>12.7 | 4.7<br>5.0<br>4.1<br>4.0<br>4.6   | 8.1<br>8.0<br>7.2<br>7.0<br>7.4      | 21.5<br>19.7<br>19.2<br>17.6<br>15.1         | 10.2<br>10.5<br>10<br>5.5<br>5.0       | 15.3<br>14.6<br>14.3<br>10.3<br>8.5    | 8.1<br>7.5<br>8.3<br>9.1<br>11.1             | 1.3<br>1.3<br>1.7<br>1.9<br>2.6          | 3.6<br>3.5<br>3.8<br>4.5<br>5.5              |
| 16<br>17<br>18<br>19<br>20       | 13.0<br>15.8<br>15.8<br>14.0<br>12.3 | 2.8<br>3.3<br>4.6<br>4.4<br>3.1  | 6.7<br>8.0<br>8.1<br>7.8<br>6.2      | 14.0<br>14.1<br>16.1<br>15.7<br>17.5 | 4.9<br>5.3<br>5.7<br>6.2<br>5.7   | 8.5<br>8.9<br>10.2<br>9.9<br>10.2    | 14.9<br>13.7<br>11.5<br>10.7<br>9.6          | 5.0<br>5.7<br>3.9<br>2.2<br>2.2        | 9.3<br>8.9<br>7.2<br>5.7<br>5.0        | 13.2<br>14.6<br>15.8<br>16.4<br>14.9         | 3.2<br>4.3<br>5.6<br>6.2<br>6.5          | 6.5<br>7.7<br>8.8<br>9.8<br>9.5              |
| 21<br>22<br>23<br>24<br>25       | 9.6<br>9.5<br>12.7<br>12.6<br>14.2   | 1.2<br>0.3<br>0.9<br>1.7<br>2.6  | 4.0<br>3.3<br>3.8<br>4.9<br>6.3      | 15.1<br>12.9<br>13.6                 | 5.7<br>3.8<br>4.2                 | 9.1<br>7.2<br>7.3<br>                | 10.5<br>9.3<br>8.4<br>9.0                    | 2.1<br>1.8<br>2.0<br>2.1               | 4.8<br>4.4<br>4.3<br>4.2               | 15.8<br>15.8<br>16.4<br>15.6<br>16.9         | 7.0<br>8.0<br>8.6<br>8.8<br>8.6          | 9.7<br>10.4<br>11.0<br>11.2<br>11.5          |
| 26<br>27<br>28<br>29<br>30<br>31 | 12.8<br>14.6<br>17.4<br>15.0         | 3.8<br>5.9<br>6.5<br>3.9         | 7.2<br>9.2<br>10<br>7.3              | <br><br><br>                         | <br><br><br>                      | <br><br>                             | <br><br><br>                                 | <br><br><br>                           | <br><br><br>                           | 15.3<br>15.8<br>17.6<br>18.7<br>20.8<br>21.7 | 8.6<br>8.6<br>10<br>10.1<br>11.1<br>13.4 | 11.6<br>11.8<br>12.8<br>13.1<br>15.5<br>16.6 |
| MONTH                            | 21.4                                 | 0.3                              | 8.4                                  |                                      |                                   |                                      |  |  |  |  |  |  |

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### 02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, NC—Continued SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP—CONTINUED WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

| DAY                              | MAX                                  | MIN                                  | MEAN                                 | MAX  | MIN  | MEAN   | MAX  | MIN                                    | MEAN                                  | MAX                                  | MIN                               | MEAN                                 |
|----------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--|--|--|--|--|---------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|
|                                  |                                      | JUNE                                 |                                      |  | JULY   |  |  | AUGUST                                 |                                       | SI                                   | EPTEMBE                           | ER                                   |
| 1<br>2<br>3<br>4<br>5            | 23.4<br>24.3<br>24.2<br>23.9<br>24.6 | 13.5<br>13.6<br>13.2<br>13.8<br>13.2 | 17.1<br>17.7<br>17.6<br>17.8<br>17.8 | 23.5<br>23.6<br>22.9<br>23.2<br>23.3         | 13.1<br>12.4<br>11.3<br>11.3<br>11.3         | 17.0<br>16.9<br>16.3<br>15.9<br>15.6         | 24.7<br>24.8<br>24.1<br>23.5<br>22.8         | 15.2<br>14.4<br>12.4<br>13.4<br>13.2   | 19.6<br>19.0<br>17.7<br>16.9<br>16.9  | 11.0<br>10.2<br>9.1<br>6.6<br>8.0    | 2.1<br>1.6<br>1.5<br>1.2<br>0.9   | 5.4<br>4.0<br>3.5<br>2.8<br>2.4      |
| 6<br>7<br>8<br>9<br>10           | 24.6<br>24.4<br>24.1<br>22.4<br>22.3 | 14.6<br>14.4<br>13.6<br>12.9<br>12.4 | 18.3<br>18.4<br>17.9<br>17.1<br>16.5 | 21.8<br>21.6<br>21.9<br>21.0<br>19.6         | 11.1<br>12.3<br>12.6<br>12.3<br>11.6         | 15.2<br>16.0<br>16.0<br>15.7<br>15.1         | 20.8<br>20.6<br>20.4<br>18.8<br>19.1         | 11.3<br>10.9<br>11.7<br>11.0<br>10.1   | 14.7<br>14.7<br>14.4<br>14.1<br>13.7  | 5.6<br>8.6<br>8.6<br>6.0<br>5.2      | 1.4<br>1.4<br>2.3<br>2.1<br>1.1   | 2.6<br>3.3<br>4.8<br>3.8<br>2.3      |
| 11<br>12<br>13<br>14<br>15       | 21.4<br>20.1<br>21.7<br>21.4<br>21.4 | 12.3<br>11.7<br>12.5<br>12.8<br>13.0 | 15.9<br>15.5<br>16.3<br>16.4<br>16.4 | 20.1<br>19.5<br>20.5<br>21.5<br>21.6         | 11.1<br>10.9<br>12.3<br>12.8<br>12.8         | 14.6<br>14.5<br>15.2<br>15.6<br>16.1         | 19.2<br>20.3<br>18.2<br>17.4<br>13.9         | 11.4<br>12.4<br>12.1<br>10.6<br>4.8    | 14.5<br>15.1<br>14.7<br>13.8<br>9.5   | 7.8<br>6.7<br>8.7<br>8.7<br>7.5      | 1.1<br>1.3<br>1.7<br>1.8<br>1.1   | 2.5<br>2.8<br>3.6<br>3.8<br>3.0      |
| 16<br>17<br>18<br>19<br>20       | 21.3<br>21.3<br>21.5<br>22.7<br>22.6 | 12.5<br>11.9<br>11.8<br>11.5<br>11.8 | 16.0<br>15.6<br>15.5<br>15.5<br>15.4 | 21.8<br>23.0<br>22.4<br>22.1<br>22.0         | 13.3<br>14.2<br>13.8<br>13.4<br>13.6         | 16.5<br>17.4<br>16.7<br>16.6<br>16.7         | 10.8<br>8.0<br>7.2<br>5.5<br>5.0             | 2.8<br>1.7<br>0.9<br>0.3<br>0.1        | 5.8<br>4.1<br>3.0<br>2.0<br>1.3       | 5.7<br>5.8<br>3.1<br>5.6<br>17.4     | 0.2<br>0.1<br>0.08<br>0.07<br>1.5 | 1.8<br>1.8<br>0.9<br>1.8<br>4.7      |
| 21<br>22<br>23<br>24<br>25       | 22.7<br>22.8<br>21.7<br>19.9<br>20.2 | 13.7<br>14.8<br>13.6<br>12.6<br>12.3 | 16.8<br>17.4<br>16.9<br>15.7<br>16.0 | 22.1<br>22.9<br>23.0<br>22.1<br>22.0         | 14.2<br>14.7<br>15.2<br>14.4<br>13.1         | 17.2<br>17.9<br>18.3<br>17.6<br>16.8         | 4.0<br>2.5<br>5.8<br>7.8<br>9.3              | 0.06<br>0.06<br>0.2<br>1.0<br>1.6      | 1.1<br>0.7<br>1.5<br>2.7<br>3.8       | <br><br>18.0                         | <br><br>4.5<br>                   | 8.1                                  |
| 26<br>27<br>28<br>29<br>30<br>31 | 21.5<br>21.8<br>22.7<br>22.8<br>22.9 | 13.5<br>13.3<br>13.3<br>12.1<br>12.7 | 16.5<br>16.8<br>16.8<br>16.6<br>17.0 | 23.0<br>23.7<br>24.2<br>23.7<br>24.6<br>24.7 | 13.8<br>14.9<br>15.5<br>13.6<br>13.8<br>14.7 | 17.7<br>18.7<br>19.0<br>18.4<br>18.1<br>19.1 | 13.6<br>14.0<br>15.1<br>17.3<br>16.7<br>12.3 | 2.0<br>3.8<br>4.7<br>5.9<br>5.0<br>3.4 | 5.2<br>7.0<br>8.5<br>10<br>9.7<br>7.0 | 17.2<br>18.1<br>18.0<br>16.7<br>17.8 | 6.7<br>7.4<br>9.5<br>7.0<br>6.5   | 10.9<br>12.5<br>13.2<br>10.9<br>10.7 |
| MONTH                            | 24.6                                 | 11.5                                 | 16.7                                 | 24.7   | 10.9   | 16.7   | 24.8   | 0.06                                   | 9.8                                   |                                      |                                   |                                      |

### 02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, NC—Continued

# SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, TOP WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

| DAY   | MAX  | MIN     | MEAN | MAX  | MIN    | MEAN | MAX  | MIN    | MEAN | MAX | MIN     | MEAN |
|-------|------|---------|------|------|--------|------|------|--------|------|-----|---------|------|
|       |      | ОСТОВЕН | ₹    | N    | OVEMBE | ER   | D    | ECEMBE | ER   | J   | JANUAR' | Y    |
| 1     | 17.5 | 6.4     | 10.4 | 21.1 | 12.1   | 15.7 | 16.5 | 7.1    | 10   |     |         |      |
| 2     | 15.5 | 5.8     | 9.0  | 21.3 | 11.8   | 15.5 |      |        |      |     |         |      |
| 3     | 13.1 | 4.2     | 6.8  | 19.4 | 12.5   | 14.8 |      |        |      |     |         |      |
| 4     | 11.9 | 3.4     | 6.1  | 20.8 | 12.3   | 16.1 |      |        |      |     |         |      |
| 5     | 9.3  | 3.5     | 5.2  | 21.0 | 12.5   | 15.1 |      |        |      |     |         |      |
| 6     | 13.9 | 3.5     | 5.7  | 20.6 | 13.2   | 16.1 |      |        |      |     |         |      |
| 7     | 15.9 | 4.5     | 6.9  | 20.8 | 14.3   | 16.9 |      |        |      |     |         |      |
| 8     | 18.1 | 5.6     | 9.5  | 21.5 | 15.4   | 17.5 |      |        |      |     |         |      |
| 9     | 19.6 | 7.3     | 12.6 | 23.8 | 15.2   | 19.1 |      |        |      |     |         |      |
| 10    | 20.2 | 11.3    | 15.2 | 23.9 | 17.0   | 20.6 |      |        |      |     |         |      |
| 11    | 21.4 | 13.8    | 17.0 | 24.8 | 17.8   | 21.1 |      |        |      |     |         |      |
| 12    | 22.8 | 15.9    | 18.6 | 25.5 | 18.0   | 21.6 |      |        |      |     |         |      |
| 13    | 23.3 | 16.2    | 19.5 | 24.7 | 16.7   | 20.3 |      |        |      |     |         |      |
| 14    | 23.5 | 16.4    | 19.2 | 25.6 | 16.0   | 20.4 |      |        |      |     |         |      |
| 15    | 24.2 | 15.8    | 19.0 | 25.5 | 16.8   | 20.6 |      |        |      |     |         |      |
| 16    | 22.9 | 14.1    | 17.5 | 25.3 | 15.6   | 19.7 |      |        |      |     |         |      |
| 17    | 21.7 | 11.9    | 15.7 | 23.8 | 14.2   | 18.3 |      |        |      |     |         |      |
| 18    | 21.2 | 10.3    | 14.9 | 22.4 | 12.1   | 16.3 |      |        |      |     |         |      |
| 19    | 20.1 | 10.7    | 14.7 | 20.8 | 10.5   | 14.8 |      |        |      |     |         |      |
| 20    | 19.4 | 9.7     | 13.5 | 20.3 | 9.8    | 13.6 |      |        |      |     |         |      |
| 21    | 22.1 | 10.2    | 14.8 | 18.5 | 8.9    | 12.9 |      |        |      |     |         |      |
| 22    | 23.3 | 12.7    | 16.9 | 19.6 | 9.5    | 13.6 |      |        |      |     |         |      |
| 23    | 23.2 | 14.6    | 18.9 | 20.3 | 9.8    | 14.4 |      |        |      |     |         |      |
| 24    | 23.7 | 16.7    | 20.1 | 20.4 | 10.4   | 15.0 |      |        |      |     |         |      |
| 25    | 24.1 | 17.4    | 20.4 | 20.8 | 11.3   | 14.4 |      |        |      |     |         |      |
| 26    | 24.2 | 17.0    | 20.2 | 19.2 | 8.6    | 12.7 |      |        |      |     |         |      |
| 27    | 24.1 | 16.5    | 19.8 | 19.9 | 8.1    | 13.2 |      |        |      |     |         |      |
| 28    | 23.7 | 15.7    | 18.9 | 18.2 | 9.1    | 12.2 |      |        |      |     |         |      |
| 29    | 23.4 | 14.8    | 18.7 | 17.0 | 6.8    | 10.6 |      |        |      |     |         |      |
| 30    | 23.3 | 14.4    | 18.1 | 17.4 | 6.8    | 10.5 |      |        |      |     |         |      |
| 31    | 21.9 | 14.0    | 17.0 |      |        |      |      |        |      |     |         |      |
| MONTH | 24.2 | 3.4     | 14.9 | 25.6 | 6.8    | 16.1 |      |        |      |     |         |      |

# SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

| DAY  | MAX  | MIN  | MEAN  | MAX                                  | MIN                                 | MEAN                           | MAX              | MIN              | MEAN                 | MAX  | MIN  | MEAN   |
|--|--|--|---|--------------------------------------|-------------------------------------|--------------------------------|------------------|------------------|----------------------|--|--|--|
|  |  | OCTOBER  | 1   | N                                    | OVEMBE                              | R                              | Б                | DECEMBE          | ER                   |  | JANUARY  |  |
| $\frac{1}{2}$                                |  |  |   |                                      |                                     |                                | 18.6<br>18.4     | 7.2<br>6.9       | 12.2<br>12.1         | 16.6<br>18.4   | 4.5<br>4.5   | 10.1<br>11.3   |
| 3<br>4                                       |  |  |   |                                      |                                     |                                | 20.0<br>22.6     | 7.8<br>9.7       | 13.9<br>16.6         | 18.5<br>17.9   | 5.3<br>6.2   | 11.6<br>11.4   |
| 5  |  |  |   |                                      |                                     |                                | 22.4             | 11.0             | 16.7                 | 17.0   | 6.9  | 11.3   |
| 6<br>7                                       |  |  |   |                                      |                                     |                                | 20.3<br>20.9     | 11.7<br>11.5     | 15.7<br>16.0         | 18.1<br>20.3   | 6.7<br>7.8   | 11.4<br>13.6   |
| 8  |  |  |   | 19.0                                 | 3.5                                 | 9.8                            | 21.9             | 11.5             | 16.4                 | 20.8   | 8.8  | 14.4   |
| 9<br>10                                      |  |  |   | 19.2<br>18.8                         | 3.5<br>4.9                          | 11.0<br>12.2                   | 21.9<br>21.3     | 11.8<br>11.0     | 16.1<br>15.9         | 21.7<br>22.1   | 9.9<br>8.9   | 14.8<br>15.1   |
| 11   |  |  |   | 19.0                                 | 7.0                                 | 11.9                           | 19.4             | 9.5              | 13.4                 | 21.8   | 10.2   | 16.2   |
| 12<br>13                                     |  |  |   | 18.5<br>16.2                         | 7.1<br>6.1                          | 11.2<br>9.4                    | 17.3<br>19.6     | 6.8<br>5.1       | 11.3<br>11.2         | 20.9<br>20.1   | 11.9<br>11.3   | 15.8<br>14.9   |
| 14<br>15                                     |  |  |   | 17.0<br>18.7                         | 4.8<br>5.9                          | 10.1<br>12.1                   | 19.6<br>14.4     | 5.1<br>3.7       | 12.1<br>7.4          | 21.1<br>22.1   | 10.6<br>9.7  | 15.5<br>15.3   |
| 16   |  |  |   | 20.5                                 | 7.0                                 | 12.6                           | 11.9             | 2.5              | 6.0                  | 21.2   | 10.3   | 15.7   |
| 17<br>18                                     |  |  |   | 19.4<br>20.7                         | 7.9<br>9.3                          | 13.3<br>14.4                   | 11.3<br>10.5     | 1.6<br>1.2       | 5.3<br>4.5           | 21.8<br>22.4   | 10.8<br>10.8   | 16.1<br>16.2   |
| 19<br>20                                     |  |  |   | 20.2<br>20.5                         | 10.5<br>10                          | 15.0<br>14.3                   | 9.0<br>8.9       | 0.5<br>0.4       | 3.6<br>3.2           | 21.8<br>22.6   | 10.7<br>10.0   | 15.7<br>16.5   |
| 21   |  |  |   | 20.3                                 | 10.3                                | 15.5                           | 10.5             | 0.4              | 4.0                  | 22.8   | 11.3   | 16.7   |
| 22   |  |  |   | 21.6                                 | 11.0                                | 15.1                           | 11.5             | 0.5              | 4.2                  | 22.7   | 11.7   | 16.5   |
| 23<br>24                                     |  |  |   | 21.2<br>21.0                         | 9.5<br>8.1                          | 14.1<br>13.8                   | 10.9<br>12.0     | 0.4<br>0.5       | 4.1<br>4.5           | 22.4<br>22.4   | 10.9<br>10.7   | 15.8<br>15.9   |
| 25   |  |  |   | 20.5                                 | 7.2                                 | 13.1                           | 11.3             | 0.7              | 4.4                  | 23.9   | 10.0   | 16.5   |
| 26<br>27                                     |  |  |   | 21.4<br>21.5                         | 7.1<br>7.9                          | 14.0<br>14.1                   | 13.1<br>15.4     | 1.0<br>1.7       | 5.1<br>6.4           | 23.9<br>21.6   | 11.9<br>10.7   | 17.6<br>16.2   |
| 28<br>29                                     |  |  |   | 20.3<br>17.0                         | 8.3<br>5.6                          | 13.4<br>10.4                   | 15.2<br>14.7     | 2.3<br>3.2       | 7.0<br>7.5           | 20.4<br>19.0   | 8.6<br>8.1   | 14.2<br>13.4   |
| 30<br>31                                     |  |  |   | 19.4                                 | 6.7                                 | 12.4                           | 14.6<br>15.9     | 3.2<br>3.9       | 7.6<br>8.9           | 18.8   | 7.2  | 13.1   |
| MONTH  |  |  |   |                                      |                                     |                                | 22.6             | 0.2              | 9.5                  |  |  |  |
|  |  | EBRUAR   | Y   |                                      | MARCH                               |                                |                  | APRIL            |                      |  | MAY  |  |
| 1  |  |  |   | 15.8                                 | 2.7                                 | 7.7                            |                  |                  |                      |  |  |  |
| 2 3  |  |  |   | 13.4<br>11.7                         | 2.0<br>1.9                          | 4.7<br>4.4                     | 22.2<br>22.7     | 15.1<br>14.2     | 17.6<br>17.6         |  |  |  |
| 4<br>5                                       |  |  |   | 12.9<br>12.4                         | 2.1<br>2.1                          | 5.0<br>5.0                     | 23.0<br>23.5     | 14.2<br>13.3     | 17.6<br>17.0         |  |  |  |
| 6  |  |  |   | 11.2                                 | 1.4                                 | 4.4                            | 23.7             | 13.6             | 17.1                 |  |  |  |
| 7<br>8                                       |  |  |   | 11.3<br>12.6                         | 0.7<br>1.0                          | 3.7<br>4.1                     | 23.7<br>23.0     | 12.6<br>12.8     | 16.8<br>17.0         | 15.1<br>13.9   | 1.4<br>0.9   | 5.8<br>5.2   |
| 9<br>10                                      |  |  |   | 17.2                                 | 1.8                                 | 6.5                            | 24.0             | 11.7             | 17.5                 | 14.4   | 1.3  | 5.4  |
| 10   | 16.1   | 4.3  | 8.7   | 18.1<br>17.5                         | 3.0<br>4.1                          | 7.8<br>9.2                     | 24.6<br>22.6     | 12.3<br>11.1     | 17.4<br>15.9         | 14.9<br>14.2   | 1.6<br>1.5   | 5.6<br>5.7   |
| 12   | 16.6   | 3.6  | 9.2   | 17.0                                 | 5.6                                 | 9.2                            | 22.1             | 11.0             | 15.5                 | 13.4   | 1.8  | 5.8  |
| 13<br>14                                     | 17.4<br>17.2   | 3.9<br>3.6   | 9.4<br>9.0  | 16.5<br>18.0                         | 4.8<br>4.7                          | 8.8<br>9.3                     | 21.7<br>18.8     | 9.9<br>5.9       | 14.8<br>12.1         | 13.6<br>14.5   | 1.9<br>2.1   | 5.9<br>6.8   |
| 15   | 17.4   | 3.2  | 9.6   | 18.6                                 | 5.3                                 | 9.5                            |                  |                  |                      | 15.8   | 2.9  | 7.9  |
| 16<br>17                                     | 17.8<br>18.6   | 3.1<br>4.1   | 10.1<br>10.8  | 18.6<br>18.8                         | 5.5<br>5.9                          | 10.4<br>11.0                   |                  |                  |                      | 17.8<br>18.4   | 3.8<br>4.9   | 8.9<br>9.9   |
| 18<br>19                                     | 17.8   | 4.9  | 10.0  | 19.8                                 | 6.7                                 | 11.7                           |                  |                  |                      | 19.0   | 6.4  | 10.9   |
| 20   |  | 5.0  | 9.3   | 18.4                                 |                                     | 11.2                           |                  |                  |                      | 19.0   | 6.8  | 11.8   |
|  | 16.3<br>15.1   | 5.0<br>3.3   | 9.3<br>7.5  | 18.4<br>19.6                         | 6.8<br>6.5                          | 11.2<br>11.6                   |                  |                  |                      | 19.0<br>18.6   | 6.8<br>6.8   | 11.8<br>11.8   |
| 21   | 16.3<br>15.1<br>11.7   | 3.3<br>1.5   | 7.5<br>4.9  | 19.6<br>17.4                         | 6.8<br>6.5<br>6.1                   | 11.6<br>10.2                   |                  |                  |                      | 18.6<br>18.6   | 6.8<br>7.5   | 11.8<br>12.1   |
| 22<br>23                                     | 16.3<br>15.1<br>11.7<br>12.5<br>14.6   | 3.3<br>1.5<br>0.6<br>1.2   | 7.5<br>4.9<br>4.8<br>5.6  | 19.6<br>17.4<br>17.6<br>17.6         | 6.8<br>6.5<br>6.1<br>4.3<br>4.5     | 11.6<br>10.2<br>9.5<br>9.5     | <br><br>         | <br><br>         | <br><br>             | 18.6<br>18.6<br>19.4<br>19.6   | 6.8<br>7.5<br>8.3<br>9.0   | 11.8<br>12.1<br>12.8<br>13.1   |
| 22   | 16.3<br>15.1<br>11.7<br>12.5   | 3.3<br>1.5<br>0.6  | 7.5<br>4.9<br>4.8   | 19.6<br>17.4<br>17.6                 | 6.8<br>6.5<br>6.1<br>4.3            | 11.6<br>10.2<br>9.5            |                  |                  |                      | 18.6<br>18.6<br>19.4   | 6.8<br>7.5<br>8.3  | 11.8<br>12.1<br>12.8   |
| 22<br>23<br>24<br>25<br>26                   | 16.3<br>15.1<br>11.7<br>12.5<br>14.6<br>16.0<br>20.1<br>21.9                         | 3.3<br>1.5<br>0.6<br>1.2<br>1.9<br>3.6<br>4.5                      | 7.5<br>4.9<br>4.8<br>5.6<br>7.8<br>10.7                                 | 19.6<br>17.4<br>17.6<br>17.6<br>     | 6.8<br>6.5<br>6.1<br>4.3<br>4.5     | 11.6<br>10.2<br>9.5<br>9.5<br> | <br><br><br>     | <br><br><br>     | <br><br><br><br>     | 18.6<br>18.6<br>19.4<br>19.6<br>20.1<br>20.2                                 | 6.8<br>7.5<br>8.3<br>9.0<br>9.4<br>9.3                               | 11.8<br>12.1<br>12.8<br>13.1<br>13.6<br>13.9<br>14.4                         |
| 22<br>23<br>24<br>25<br>26<br>27<br>28       | 16.3<br>15.1<br>11.7<br>12.5<br>14.6<br>16.0<br>20.1<br>21.9<br>20.7<br>20.1         | 3.3<br>1.5<br>0.6<br>1.2<br>1.9<br>3.6<br>4.5<br>8.1<br>8.0        | 7.5<br>4.9<br>4.8<br>5.6<br>7.8<br>10.7<br>13.1<br>13.7<br>14.5         | 19.6<br>17.4<br>17.6<br>17.6<br>     | 6.8<br>6.5<br>6.1<br>4.3<br>4.5     | 11.6<br>10.2<br>9.5<br>9.5<br> | <br><br><br>     |                  | <br><br><br>         | 18.6<br>18.6<br>19.4<br>19.6<br>20.1<br>20.2<br>19.6<br>20.7<br>22.1         | 6.8<br>7.5<br>8.3<br>9.0<br>9.4<br>9.3<br>9.6<br>9.4<br>10.2         | 11.8<br>12.1<br>12.8<br>13.1<br>13.6<br>13.9<br>14.4<br>15.2<br>16.0         |
| 22<br>23<br>24<br>25<br>26<br>27             | 16.3<br>15.1<br>11.7<br>12.5<br>14.6<br>16.0<br>20.1<br>21.9<br>20.7                 | 3.3<br>1.5<br>0.6<br>1.2<br>1.9<br>3.6<br>4.5<br>8.1               | 7.5<br>4.9<br>4.8<br>5.6<br>7.8<br>10.7<br>13.1<br>13.7                 | 19.6<br>17.4<br>17.6<br>17.6<br><br> | 6.8<br>6.5<br>6.1<br>4.3<br>4.5<br> | 11.6<br>10.2<br>9.5<br>9.5<br> | <br><br><br><br> | <br><br><br>     | <br><br><br><br><br> | 18.6<br>18.6<br>19.4<br>19.6<br>20.1<br>20.2<br>19.6<br>20.7                 | 6.8<br>7.5<br>8.3<br>9.0<br>9.4<br>9.3<br>9.6<br>9.4                 | 11.8<br>12.1<br>12.8<br>13.1<br>13.6<br>13.9<br>14.4<br>15.2                 |
| 22<br>23<br>24<br>25<br>26<br>27<br>28<br>29 | 16.3<br>15.1<br>11.7<br>12.5<br>14.6<br>16.0<br>20.1<br>21.9<br>20.7<br>20.1<br>18.9 | 3.3<br>1.5<br>0.6<br>1.2<br>1.9<br>3.6<br>4.5<br>8.1<br>8.0<br>4.4 | 7.5<br>4.9<br>4.8<br>5.6<br>7.8<br>10.7<br>13.1<br>13.7<br>14.5<br>11.1 | 19.6 17.4 17.6 17.6                  | 6.8<br>6.5<br>6.1<br>4.3<br>4.5<br> | 11.6<br>10.2<br>9.5<br>9.5<br> |                  | <br><br><br><br> |                      | 18.6<br>18.6<br>19.4<br>19.6<br>20.1<br>20.2<br>19.6<br>20.7<br>22.1<br>23.0 | 6.8<br>7.5<br>8.3<br>9.0<br>9.4<br>9.3<br>9.6<br>9.4<br>10.2<br>11.0 | 11.8<br>12.1<br>12.8<br>13.1<br>13.6<br>13.9<br>14.4<br>15.2<br>16.0<br>16.6 |

### 02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, NC—Continued

### SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM—CONTINUED WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

| DAY                              | MAX                                  | MIN                                  | MEAN                                 | MAX  | MIN  | MEAN   | MAX  | MIN                                    | MEAN                                      | MAX                                  | MIN                               | MEAN                                 |
|----------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--|--|--|--|--|---|--------------------------------------|-----------------------------------|--------------------------------------|
|                                  |                                      | JUNE                                 |                                      |  | JULY   |  |  | AUGUST                                 |   | S                                    | ЕРТЕМВЕ                           | ER                                   |
| 1<br>2<br>3<br>4<br>5            | 24.6<br>25.3<br>25.8<br>26.1<br>26.2 | 14.0<br>14.2<br>13.5<br>14.6<br>14.6 | 18.4<br>18.7<br>18.8<br>19.1<br>19.6 | 24.7<br>25.1<br>24.2<br>23.8<br>25.1         | 13.5<br>13.0<br>7.6<br>9.8<br>12.0           | 18.3<br>18.3<br>15.8<br>16.7<br>17.7         | 25.9<br>26.0<br>26.5<br>25.8<br>24.8         | 15.5<br>15.1<br>13.4<br>14.0<br>13.6   | 20.6<br>20.2<br>19.4<br>18.9<br>18.5      | 15.5<br>14.5<br>14.6<br>13.4<br>15.8 | 2.5<br>2.0<br>1.9<br>1.6<br>1.3   | 7.7<br>6.5<br>6.7<br>6.1<br>7.0      |
| 6<br>7<br>8<br>9<br>10           | 27.1<br>27.2<br>26.5<br>24.6<br>24.0 | 15.6<br>15.5<br>14.8<br>14.0<br>13.4 | 20.3<br>20.4<br>19.8<br>18.9<br>18.7 | 24.5<br>24.4<br>23.3<br>23.9<br>23.9         | 12.4<br>13.2<br>13.2<br>13.0<br>12.7         | 17.6<br>17.8<br>18.0<br>18.0<br>17.9         | 23.6<br>24.9<br>23.6<br>22.7<br>23.3         | 11.5<br>11.8<br>12.3<br>12.1<br>11.7   | 17.3<br>18.5<br>18.3<br>17.5<br>18.1      | 16.6<br>19.2<br>14.3<br>9.0<br>11.7  | 1.4<br>2.9<br>3.3<br>2.1<br>1.4   | 8.6<br>10.4<br>7.1<br>4.8<br>4.7     |
| 11<br>12<br>13<br>14<br>15       | 23.0                                 | 13.1<br><br><br>                     | 18.2<br><br><br>                     | 24.2<br>24.6<br>23.7<br>23.9<br>24.6         | 12.2<br>12.2<br>13.0<br>13.5<br>13.7         | 18.1<br>18.5<br>18.2<br>17.7<br>18.1         | 23.8<br>23.1<br>20.5<br>19.2<br>16.7         | 12.9<br>13.1<br>12.6<br>11.6<br>5.8    | 18.3<br>17.5<br>16.1<br>15.1<br>11.0      | 14.3<br>15.8<br>15.5<br>14.9<br>11.7 | 1.4<br>1.5<br>2.0<br>2.2<br>1.3   | 5.8<br>6.7<br>6.8<br>6.3<br>4.6      |
| 16<br>17<br>18<br>19<br>20       | 22.8<br>23.5<br>24.0<br>25.0<br>25.8 | 13.4<br>13.0<br>12.5<br>12.7<br>12.5 | 17.3<br>17.3<br>17.5<br>18.3<br>19.5 | 24.6<br>23.9<br>24.0<br>24.5<br>24.6         | 14.3<br>15.1<br>14.2<br>14.6<br>14.6         | 18.6<br>19.0<br>18.2<br>18.9<br>19.0         | 14.6<br>13.0<br>12.5<br>10.0<br>17.1         | 3.3<br>2.0<br>1.1<br>0.4<br>0.10       | 7.9<br>5.9<br>4.6<br>3.2<br>2.6           | 8.8<br>9.4<br>6.9<br>13.2<br>21.2    | 0.2<br>0.1<br>0.09<br>0.08<br>1.5 | 3.1<br>2.9<br>2.0<br>4.0<br>10.5     |
| 21<br>22<br>23<br>24<br>25       | 26.0<br>25.0<br>23.0<br>22.6<br>23.0 | 14.7<br>14.5<br>14.4<br>13.6<br>13.5 | 19.7<br>18.9<br>18.1<br>17.8<br>18.2 | 24.4<br>24.5<br>24.7<br>24.3<br>24.6         | 15.3<br>15.8<br>16.0<br>15.4<br>14.6         | 19.5<br>19.9<br>20.1<br>19.4<br>19.5         | 8.1<br>6.6<br>13.2<br>13.8<br>15.4           | 0.09<br>0.04<br>0.3<br>1.2<br>1.8      | 2.0<br>1.5<br>3.6<br>5.6<br>7.2           | 18.2<br>20.3                         | 5.5<br>5.6                        | 11.4<br>12.6                         |
| 26<br>27<br>28<br>29<br>30<br>31 | 23.2<br>24.6<br>24.1<br>24.4<br>24.6 | 13.7<br>14.0<br>13.8<br>13.3<br>13.4 | 18.1<br>19.1<br>18.6<br>18.2<br>18.6 | 25.1<br>25.2<br>25.3<br>25.2<br>25.8<br>26.1 | 14.8<br>15.7<br>16.0<br>14.6<br>14.3<br>15.7 | 20.0<br>20.2<br>20.0<br>19.5<br>19.5<br>20.3 | 17.6<br>18.1<br>18.6<br>18.1<br>16.6<br>15.8 | 2.8<br>4.2<br>5.2<br>6.2<br>5.7<br>4.1 | 9.1<br>9.9<br>11.0<br>11.5<br>10.6<br>8.8 | 20.3<br>20.5<br>19.9<br>19.1<br>20.6 | 7.8<br>9.1<br>10.2<br>7.7<br>7.3  | 14.0<br>14.5<br>14.4<br>12.8<br>13.5 |
| MONTH                            |                                      |                                      |                                      | 26.1   | 7.6  | 18.7   | 26.5   | 0.04                                   | 11.9                                      |                                      |                                   |                                      |

# SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND, BOTTOM WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

| DAY     | MAX          | MIN        | MEAN         | MAX          | MIN          | MEAN         | MAX  | MIN    | MEAN | MAX | MIN     | MEAN |
|---------|--------------|------------|--------------|--------------|--------------|--------------|------|--------|------|-----|---------|------|
|         |              | ОСТОВЕ     | ₹            | N            | OVEMBE       | ER           | D    | ECEMBE | ER.  | Į   | JANUARY | Y    |
| 1 2     | 21.0<br>19.6 | 7.3<br>6.2 | 13.2<br>11.6 | 24.2<br>24.4 | 14.3<br>14.6 | 19.5<br>20.3 | 20.5 | 8.3    | 14.0 |     |         |      |
| 3       | 18.6         | 4.3        | 10.2         | 24.4         | 15.3         | 20.3         |      |        |      |     |         |      |
| 4       | 18.4         | 3.9        | 10.4         | 25.8         | 15.8         | 21.8         |      |        |      |     |         |      |
| 5       | 20.2         | 3.9        | 11.5         | 24.2         | 16.1         | 20.7         |      |        |      |     |         |      |
| 6       | 23.4         | 4.1        | 16.6         | 24.1         | 16.1         | 20.9         |      |        |      |     |         |      |
| 7       | 25.7         | 12.8       | 20.5         | 23.5         | 16.4         | 20.4         |      |        |      |     |         |      |
| 8       | 27.1         | 16.8       | 23.3         | 23.8         | 16.4         | 20.0         |      |        |      |     |         |      |
| 9<br>10 | 26.5<br>23.5 | 15.7       | 22.0<br>19.9 | 25.1         | 16.6         | 21.5         |      |        |      |     |         |      |
| 10      | 23.3         | 14.3       | 19.9         | 25.4         | 17.6         | 22.2         |      |        |      |     |         |      |
| 11      | 23.3         | 14.7       | 18.9         | 26.0         | 18.6         | 22.5         |      |        |      |     |         |      |
| 12      | 23.8         | 16.0       | 19.8         | 26.7         | 19.0         | 22.9         |      |        |      |     |         |      |
| 13      | 24.5         | 16.8       | 20.4         | 26.2         | 17.4         | 21.6         |      |        |      |     |         |      |
| 14      | 24.5         | 16.8       | 20.3         | 29.0         | 16.9         | 22.4         |      |        |      |     |         |      |
| 15      | 25.3         | 16.4       | 20.3         | 26.5         | 17.6         | 22.3         |      |        |      |     |         |      |
| 16      | 24.6         | 14.9       | 19.1         | 26.7         | 17.4         | 21.8         |      |        |      |     |         |      |
| 17      | 24.0         | 12.8       | 17.9         | 26.1         | 15.9         | 20.5         |      |        |      |     |         |      |
| 18      | 24.1         | 12.2       | 17.9         | 24.6         | 13.7         | 19.3         |      |        |      |     |         |      |
| 19      | 23.0         | 11.8       | 17.4         | 23.7         | 12.0         | 18.3         |      |        |      |     |         |      |
| 20      | 23.8         | 11.3       | 17.7         | 22.9         | 10.9         | 17.4         |      |        |      |     |         |      |
| 21      | 25.8         | 13.0       | 20.3         | 21.9         | 10.5         | 16.7         |      |        |      |     |         |      |
| 22      | 26.5         | 15.1       | 21.8         | 22.5         | 10.5         | 17.4         |      |        |      |     |         |      |
| 23      | 26.1         | 16.6       | 22.1         | 22.8         | 11.8         | 17.4         |      |        |      |     |         |      |
| 24      | 26.3         | 18.1       | 22.4         | 22.9         | 11.8         | 17.4         |      |        |      |     |         |      |
| 25      | 26.3         | 18.8       | 22.5         | 22.4         | 12.0         | 16.2         |      |        |      |     |         |      |
| 26      | 26.3         | 18.5       | 22.4         | 21.6         | 9.8          | 15.7         |      |        |      |     |         |      |
| 27      | 26.3         | 17.7       | 22.1         | 22.9         | 9.7          | 16.9         |      |        |      |     |         |      |
| 28      | 26.3         | 17.2       | 21.5         | 21.2         | 10.1         | 15.4         |      |        |      |     |         |      |
| 29      | 26.1         | 16.9       | 21.4         | 21.0         | 8.0          | 14.6         |      |        |      |     |         |      |
| 30      | 26.0         | 16.5       | 20.9         | 22.2         | 9.3          | 15.8         |      |        |      |     |         |      |
| 31      | 24.6         | 15.7       | 20.0         |              |              |              |      |        |      |     |         |      |
| MONTH   | 27.1         | 3.9        | 18.9         | 29.0         | 8.0          | 19.3         |      |        |      |     |         |      |

### 02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, NC—Continued

# PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

| DAY  | MAX   | MIN   | MEAN   | MAX  | MIN   | MEAN   | MAX   | MIN   | MEAN  | MAX  | MIN  | MEAN  |
|--|---|---|--|--|---|--|---|---|---|--|--|---|
|  |   | OCTOBER   | ₹  | N  | OVEMBE  | R  | D   | ECEMBE  | R   |  | JANUARY  |   |
| 1  |   |   |  |  |   |  |   |   |   |  |  |   |
| 2 3  |   |   |  |  |   |  |   |   |   |  |  |   |
| 4  |   |   |  |  |   |  |   |   |   |  |  |   |
| 5  |   |   |  |  |   |  |   |   |   |  |  |   |
| 6  |   |   |  |  |   |  |   |   |   |  |  |   |
| 7<br>8   |   |   |  | 7.2  | 6.5   | 6.8  |   |   |   |  |  |   |
| 9  |   |   |  | 7.4  | 6.6   | 6.9  |   |   |   |  |  |   |
| 10   |   |   |  | 7.6  | 6.8   | 7.1  |   |   |   |  |  |   |
| 11   |   |   |  | 7.6  | 6.8   | 7.1  |   |   |   |  |  |   |
| 12   |   |   |  | 7.4  | 6.7   | 7.0  |   |   |   |  |  |   |
| 13<br>14   |   |   |  | 7.3<br>7.3   | 6.8<br>6.7  | 7.0<br>7.0   |   |   |   |  |  |   |
| 15   |   |   |  | 7.4  | 6.9   | 7.0  |   |   |   |  |  |   |
| 16   |   |   |  | 7.5  | 6.9   | 7.1  |   |   |   |  |  |   |
| 17   |   |   |  | 7.4  | 6.9   | 7.1  |   |   |   |  |  |   |
| 18   |   |   |  | 7.6  | 6.9   | 7.2  |   |   |   |  |  |   |
| 19<br>20   |   |   |  | 7.6<br>7.7   | 7.1<br>7.3  | 7.4<br>7.5   |   |   |   |  |  |   |
|  |   |   |  |  |   |  |   |   |   |  |  |   |
| 21<br>22   |   |   |  | 7.8<br>7.7   | 7.3<br>7.3  | 7.5<br>7.5   |   |   |   |  |  |   |
| 23   |   |   |  | 7.7  | 7.3   | 7.4  |   |   |   |  |  |   |
| 24   |   |   |  | 7.7  | 7.0   | 7.4  |   |   |   |  |  |   |
| 25   |   |   |  | 7.6  | 7.1   | 7.4  |   |   |   |  |  |   |
| 26<br>27   |   |   |  | 7.7<br>7.6   | 7.1<br>7.2  | 7.4<br>7.4   |   |   |   |  |  |   |
| 28   |   |   |  | 7.0<br>7.7   | 7.2   | 7.4  |   |   |   |  |  |   |
| 29   |   |   |  | 7.7  | 7.3   | 7.5  |   |   |   |  |  |   |
| 30   |   |   |  | 7.7  | 7.3   | 7.5  |   |   |   |  |  |   |
| 31   |   |   |  |  |   |  |   |   |   |  |  |   |
| MONTH  |   |   |  |  |   |  |   |   |   |  |  |   |
|  |   |   |  |  |   |  |   |   |   |  |  |   |
|  | F   | FEBRUAR   | Y  |  | MARCH   |  |   | APRIL   |   |  | MAY  |   |
| 1  |   | FEBRUAR`  | Y  | 7.2  | MARCH<br>6.7  | 6.9  |   | APRIL   |   |  | MAY  |   |
| 2  |   |   |  | 7.2  | 6.7<br>6.8  | 7.0  | 7.8   | 7.5   | 7.6   |  |  |   |
| 2 3  |   |   |  | 7.2<br>7.4   | 6.7<br>6.8<br>6.9   | 7.0<br>7.1   | 7.8<br>7.8  | 7.5<br>7.4  | 7.6<br>7.6  |  |  |   |
| 2  |   |   |  | 7.2  | 6.7<br>6.8  | 7.0  | 7.8   | 7.5   | 7.6   |  |  |   |
| 2<br>3<br>4<br>5   | <br><br><br>  | <br><br>  | <br><br><br>   | 7.2<br>7.4<br>7.6<br>7.4                                 | 6.7<br>6.8<br>6.9<br>6.8<br>6.7                                 | 7.0<br>7.1<br>7.1<br>7.0                             | 7.8<br>7.8<br>7.8<br>7.8  | 7.5<br>7.4<br>7.4<br>7.4  | 7.6<br>7.6<br>7.6<br>7.6  | <br><br>   | <br><br><br>   | <br><br>  |
| 2<br>3<br>4  | <br><br>  | <br><br>  | <br><br>   | 7.2<br>7.4<br>7.6  | 6.7<br>6.8<br>6.9<br>6.8  | 7.0<br>7.1<br>7.1                                    | 7.8<br>7.8<br>7.8   | 7.5<br>7.4<br>7.4   | 7.6<br>7.6<br>7.6   | <br>   | <br><br>   | <br>  |
| 2<br>3<br>4<br>5<br>6<br>7<br>8  | <br><br><br>  | <br><br><br>  | <br><br><br><br>   | 7.2<br>7.4<br>7.6<br>7.4<br>7.5<br>7.7<br>7.7            | 6.7<br>6.8<br>6.9<br>6.8<br>6.7<br>6.9<br>7.0<br>7.0            | 7.0<br>7.1<br>7.1<br>7.0<br>7.2<br>7.2<br>7.3        | 7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.9   | 7.5<br>7.4<br>7.4<br>7.4<br>7.4<br>7.4<br>7.4   | 7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.6   | <br><br><br>7.5<br>7.5   | <br><br><br>6.8<br>6.7   | <br><br><br>7.1<br>7.0  |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9   | <br><br><br><br><br>  | <br><br><br><br>  | <br><br><br><br>   | 7.2<br>7.4<br>7.6<br>7.4<br>7.5<br>7.7<br>7.7            | 6.7<br>6.8<br>6.9<br>6.8<br>6.7<br>6.9<br>7.0<br>7.0<br>6.9     | 7.0<br>7.1<br>7.1<br>7.0<br>7.2<br>7.2<br>7.3<br>7.3 | 7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.9<br>7.8  | 7.5<br>7.4<br>7.4<br>7.4<br>7.4<br>7.4<br>7.4<br>7.3  | 7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.6                                    | 7.5<br>7.5   | <br><br><br>6.8<br>6.7<br>6.7  | <br><br><br>7.1<br>7.0<br>6.9   |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9   | <br><br><br><br><br>  | <br><br><br><br>  |  | 7.2<br>7.4<br>7.6<br>7.4<br>7.5<br>7.7<br>7.7<br>7.9     | 6.7<br>6.8<br>6.9<br>6.8<br>6.7<br>6.9<br>7.0<br>7.0<br>6.9     | 7.0<br>7.1<br>7.1<br>7.0<br>7.2<br>7.2<br>7.3<br>7.3 | 7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.9<br>7.8   | 7.5<br>7.4<br>7.4<br>7.4<br>7.4<br>7.4<br>7.4<br>7.3<br>7.3   | 7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.6                             | 7.5<br>7.5<br>7.5<br>7.3   | 6.8<br>6.7<br>6.6  | 7.1<br>7.0<br>6.9<br>6.9  |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10   | <br><br><br><br><br><br><br>7.6   | <br><br><br><br><br><br>7.0   | <br><br><br><br><br><br>7.3  | 7.2<br>7.4<br>7.6<br>7.4<br>7.5<br>7.7<br>7.7<br>7.9     | 6.7<br>6.8<br>6.9<br>6.8<br>6.7<br>6.9<br>7.0<br>7.0<br>6.9     | 7.0<br>7.1<br>7.1<br>7.0<br>7.2<br>7.2<br>7.3<br>7.3 | 7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.9<br>7.8<br>7.8   | 7.5<br>7.4<br>7.4<br>7.4<br>7.4<br>7.4<br>7.4<br>7.3<br>7.3   | 7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.5                      | 7.5<br>7.5<br>7.5<br>7.3   | <br><br><br>6.8<br>6.7<br>6.7<br>6.6   | <br><br><br>7.1<br>7.0<br>6.9<br>6.9  |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10   | <br><br><br><br><br><br>7.6   | <br><br><br><br><br><br>7.0   | <br><br><br><br><br><br>7.3  | 7.2<br>7.4<br>7.6<br>7.4<br>7.5<br>7.7<br>7.7<br>7.9     | 6.7<br>6.8<br>6.9<br>6.8<br>6.7<br>6.9<br>7.0<br>7.0<br>6.9     | 7.0<br>7.1<br>7.1<br>7.0<br>7.2<br>7.2<br>7.3<br>7.3 | 7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8                                    | 7.5<br>7.4<br>7.4<br>7.4<br>7.4<br>7.4<br>7.4<br>7.3<br>7.3<br>7.3                                    | 7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.5                      | <br><br>7.5<br>7.5<br>7.5<br>7.3<br>7.2  | <br><br><br>6.8<br>6.7<br>6.7<br>6.6<br>6.6  | <br><br><br>7.1<br>7.0<br>6.9<br>6.9<br>6.9   |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14   | <br><br><br><br><br><br>7.6<br>7.6<br>7.6   | <br><br><br><br><br><br>7.0<br>7.1<br>7.0<br>6.9  | 7.3<br>7.3<br>7.2  | 7.2<br>7.4<br>7.6<br>7.4<br>7.5<br>7.7<br>7.7<br>7.9     | 6.7<br>6.8<br>6.9<br>6.8<br>6.7<br>6.9<br>7.0<br>7.0<br>6.9     | 7.0<br>7.1<br>7.1<br>7.0<br>7.2<br>7.2<br>7.3<br>7.3 | 7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.9<br>7.8<br>7.8<br>7.8<br>7.7                      | 7.5<br>7.4<br>7.4<br>7.4<br>7.4<br>7.4<br>7.3<br>7.3<br>7.3<br>7.2<br>7.2                             | 7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.5<br>7.5               | 7.5<br>7.5<br>7.5<br>7.3<br>7.2<br>7.2<br>7.2  | <br><br><br>6.8<br>6.7<br>6.6<br>6.6<br>6.6<br>6.6<br>6.6  | 7.1<br>7.0<br>6.9<br>6.9<br>6.9<br>6.8<br>6.8   |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10   | <br><br><br><br><br><br>7.6<br>7.6  | <br><br><br><br><br><br>7.0<br>7.1  | <br><br><br><br><br><br>7.3<br>7.3<br>7.3  | 7.2<br>7.4<br>7.6<br>7.4<br>7.5<br>7.7<br>7.7<br>7.9     | 6.7<br>6.8<br>6.9<br>6.8<br>6.7<br>6.9<br>7.0<br>7.0<br>6.9     | 7.0 7.1 7.1 7.0 7.2 7.2 7.3 7.3                      | 7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.9<br>7.8<br>7.8<br>7.7                             | 7.5<br>7.4<br>7.4<br>7.4<br>7.4<br>7.4<br>7.4<br>7.3<br>7.3<br>7.3                                    | 7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.5<br>7.5               | 7.5<br>7.5<br>7.5<br>7.5<br>7.2<br>7.2   | <br><br><br>6.8<br>6.7<br>6.7<br>6.6<br>6.6<br>6.6<br>6.6  | 7.1<br>7.0<br>6.9<br>6.9<br>6.9<br>6.9<br>6.9   |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15   | <br><br><br><br><br><br>7.6<br>7.6<br>7.6<br>7.5  | 7.0<br>6.9<br>6.8   | 7.3<br>7.3<br>7.2<br>7.1   | 7.2<br>7.4<br>7.6<br>7.4<br>7.5<br>7.7<br>7.7<br>7.9     | 6.7<br>6.8<br>6.9<br>6.8<br>6.7<br>6.9<br>7.0<br>7.0<br>6.9     | 7.0 7.1 7.1 7.0 7.2 7.2 7.3 7.3                      | 7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.9<br>7.8<br>7.8<br>7.7<br>7.7<br>7.7<br>8.0<br>8.0 | 7.5<br>7.4<br>7.4<br>7.4<br>7.4<br>7.4<br>7.3<br>7.3<br>7.3<br>7.2<br>7.2<br>7.2<br>7.2<br>7.3        | 7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.5<br>7.5<br>7.5<br>7.5        | 7.5<br>7.5<br>7.5<br>7.5<br>7.2<br>7.2<br>7.2<br>7.2<br>7.3  | <br><br>6.8<br>6.7<br>6.7<br>6.6<br>6.6<br>6.6<br>6.6<br>6.6<br>6.6  | 7.1<br>7.0<br>6.9<br>6.9<br>6.9<br>6.9<br>6.9<br>6.8<br>6.8<br>6.9  |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15   | <br><br><br><br><br><br>7.6<br>7.6<br>7.6<br>7.5<br>7.5   | 7.0<br>7.1<br>7.0<br>6.9<br>6.8<br>6.8  | 7.3<br>7.3<br>7.2<br>7.1   | 7.2<br>7.4<br>7.6<br>7.4<br>7.5<br>7.7<br>7.7<br>7.9<br> | 6.7<br>6.8<br>6.9<br>6.8<br>6.7<br>6.9<br>7.0<br>7.0<br>6.9<br> | 7.0 7.1 7.1 7.0 7.2 7.2 7.3 7.3                      | 7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.9<br>7.8<br>7.8<br>7.7<br>7.7<br>7.8<br>8.0               | 7.5<br>7.4<br>7.4<br>7.4<br>7.4<br>7.4<br>7.3<br>7.3<br>7.3<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2        | 7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.5<br>7.5<br>7.5<br>7.5<br>7.5 | 7.5<br>7.5<br>7.5<br>7.5<br>7.3<br>7.2<br>7.2<br>7.2<br>7.2<br>7.3<br>7.3  | <br><br><br>6.8<br>6.7<br>6.6<br>6.6<br>6.6<br>6.6<br>6.6<br>6.6<br>6.6  | 7.1<br>7.0<br>6.9<br>6.9<br>6.9<br>6.8<br>6.8<br>6.8<br>6.9<br>7.0  |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15   | <br><br><br><br><br><br>7.6<br>7.6<br>7.6<br>7.5<br>7.5<br>7.4<br>7.3   | 7.0<br>6.9<br>6.8<br>6.8<br>6.8   | 7.3<br>7.3<br>7.3<br>7.2<br>7.1<br>7.0   | 7.2<br>7.4<br>7.6<br>7.4<br>7.5<br>7.7<br>7.7<br>7.9<br> | 6.7<br>6.8<br>6.9<br>6.8<br>6.7<br>6.9<br>7.0<br>6.9<br>        | 7.0 7.1 7.1 7.0 7.2 7.2 7.3 7.3                      | 7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.9<br>7.8<br>7.8<br>7.7<br>7.7<br>7.7<br>8.0<br>8.0 | 7.5<br>7.4<br>7.4<br>7.4<br>7.4<br>7.4<br>7.3<br>7.3<br>7.3<br>7.2<br>7.2<br>7.2<br>7.2<br>7.3        | 7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.5<br>7.5<br>7.5<br>7.5        | 7.5<br>7.5<br>7.5<br>7.5<br>7.3<br>7.2<br>7.2<br>7.2<br>7.2<br>7.3<br>7.3<br>7.4<br>7.5  | <br><br>6.8<br>6.7<br>6.7<br>6.6<br>6.6<br>6.6<br>6.6<br>6.6<br>6.6<br>6.6   | <br><br>7.1<br>7.0<br>6.9<br>6.9<br>6.9<br>6.8<br>6.8<br>6.9<br>7.0   |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15   | <br><br><br><br><br><br>7.6<br>7.6<br>7.6<br>7.5<br>7.5   | 7.0<br>7.1<br>7.0<br>6.9<br>6.8<br>6.8  | 7.3<br>7.3<br>7.2<br>7.1   | 7.2<br>7.4<br>7.6<br>7.4<br>7.5<br>7.7<br>7.7<br>7.9<br> | 6.7<br>6.8<br>6.9<br>6.8<br>6.7<br>6.9<br>7.0<br>7.0<br>6.9<br> | 7.0 7.1 7.1 7.0 7.2 7.2 7.3 7.3                      | 7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.9<br>7.8<br>7.8<br>7.7<br>7.7<br>7.7<br>7.8<br>8.0        | 7.5<br>7.4<br>7.4<br>7.4<br>7.4<br>7.4<br>7.3<br>7.3<br>7.3<br>7.2<br>7.2<br>7.2<br>7.2<br>7.3        | 7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.5<br>7.5<br>7.5<br>7.5<br>7.5        | 7.5<br>7.5<br>7.5<br>7.5<br>7.3<br>7.2<br>7.2<br>7.2<br>7.2<br>7.3<br>7.3  | <br><br><br>6.8<br>6.7<br>6.6<br>6.6<br>6.6<br>6.6<br>6.6<br>6.6<br>6.6  | 7.1<br>7.0<br>6.9<br>6.9<br>6.9<br>6.8<br>6.8<br>6.8<br>6.9<br>7.0  |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21   | 7.6<br>7.6<br>7.6<br>7.5<br>7.3<br>7.3<br>7.2   | 7.0<br>6.9<br>6.8<br>6.8<br>6.8<br>6.7  | 7.3<br>7.3<br>7.3<br>7.2<br>7.1<br>7.0<br>7.0<br>7.0   | 7.2<br>7.4<br>7.6<br>7.4<br>7.5<br>7.7<br>7.7<br>7.9<br> | 6.7<br>6.8<br>6.9<br>6.8<br>6.7<br>6.9<br>7.0<br>7.0<br>6.9<br> | 7.0 7.1 7.1 7.0 7.2 7.2 7.3 7.3                      | 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.9 7.8 7.7 7.7 7.8 8.0 8.0   | 7.5<br>7.4<br>7.4<br>7.4<br>7.4<br>7.4<br>7.3<br>7.3<br>7.3<br>7.2<br>7.2<br>7.2<br>7.2<br>7.3        | 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.5 7.5 7.5 7.5 7.5 7.6                                 | 7.5<br>7.5<br>7.5<br>7.5<br>7.3<br>7.2<br>7.2<br>7.2<br>7.2<br>7.3<br>7.3<br>7.4<br>7.5<br>7.6   | 6.8<br>6.7<br>6.6<br>6.6<br>6.6<br>6.6<br>6.6<br>6.6<br>6.6<br>6.7<br>6.8<br>6.9<br>7.0  | <br><br>7.1<br>7.0<br>6.9<br>6.9<br>6.9<br>6.8<br>6.8<br>6.9<br>7.0<br>7.1<br>7.2   |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22   | 7.6<br>7.6<br>7.6<br>7.5<br>7.3<br>7.3<br>7.3   | 7.0<br>6.9<br>6.8<br>6.8<br>6.7<br>6.7<br>6.7   | 7.3<br>7.3<br>7.3<br>7.2<br>7.1<br>7.0<br>7.0<br>7.0<br>6.9  | 7.2 7.4 7.6 7.4 7.5 7.7 7.7 7.9                          | 6.7<br>6.8<br>6.9<br>6.8<br>6.7<br>6.9<br>7.0<br>7.0<br>6.9<br> | 7.0 7.1 7.1 7.0 7.2 7.2 7.3 7.3                      | 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8   | 7.5<br>7.4<br>7.4<br>7.4<br>7.4<br>7.4<br>7.3<br>7.3<br>7.3<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2 | 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.5 7.5 7.5 7.5 7.5 7.6                                     | 7.5<br>7.5<br>7.5<br>7.5<br>7.3<br>7.2<br>7.2<br>7.2<br>7.2<br>7.3<br>7.3<br>7.4<br>7.5<br>7.6<br>7.6  | <br><br>6.8<br>6.7<br>6.7<br>6.6<br>6.6<br>6.6<br>6.6<br>6.6<br>6.7<br>6.8<br>6.9<br>7.0<br>7.1  | <br><br>7.1<br>7.0<br>6.9<br>6.9<br>6.9<br>6.8<br>6.8<br>6.9<br>7.0<br>7.1<br>7.2<br>7.3<br>7.4                                     |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23   | 7.6<br>7.6<br>7.6<br>7.5<br>7.3<br>7.3<br>7.3<br>7.4  | 7.0<br>6.9<br>6.8<br>6.8<br>6.7<br>6.7<br>6.7<br>6.8<br>6.6                             | 7.3<br>7.3<br>7.3<br>7.1<br>7.0<br>7.0<br>7.0<br>7.0<br>6.9<br>6.9   | 7.2 7.4 7.6 7.4 7.5 7.7 7.7 7.9                          | 6.7<br>6.8<br>6.9<br>6.8<br>6.7<br>6.9<br>7.0<br>6.9<br>        | 7.0 7.1 7.1 7.0 7.2 7.2 7.3 7.3                      | 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8   | 7.5<br>7.4<br>7.4<br>7.4<br>7.4<br>7.4<br>7.3<br>7.3<br>7.3<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2 | 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.5 7.5 7.5 7.5 7.5 7.5 7.6                             | 7.5<br>7.5<br>7.5<br>7.5<br>7.3<br>7.2<br>7.2<br>7.2<br>7.2<br>7.3<br>7.3<br>7.4<br>7.5<br>7.6<br>7.6<br>7.7   | <br><br>6.8<br>6.7<br>6.6<br>6.6<br>6.6<br>6.6<br>6.6<br>6.6<br>6.7<br>6.8<br>6.9<br>7.0<br>7.1<br>7.2<br>7.2                                    | <br><br>7.1<br>7.0<br>6.9<br>6.9<br>6.9<br>6.8<br>6.8<br>6.9<br>7.0<br>7.1<br>7.2<br>7.3<br>7.4<br>7.5                              |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22   | 7.6<br>7.6<br>7.6<br>7.5<br>7.3<br>7.3<br>7.3   | 7.0<br>6.9<br>6.8<br>6.8<br>6.7<br>6.7<br>6.7   | 7.3<br>7.3<br>7.3<br>7.2<br>7.1<br>7.0<br>7.0<br>7.0<br>6.9  | 7.2 7.4 7.6 7.4 7.5 7.7 7.7 7.9                          | 6.7<br>6.8<br>6.9<br>6.8<br>6.7<br>6.9<br>7.0<br>6.9<br>        | 7.0 7.1 7.1 7.0 7.2 7.3 7.3                          | 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8   | 7.5<br>7.4<br>7.4<br>7.4<br>7.4<br>7.4<br>7.3<br>7.3<br>7.3<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2 | 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.5 7.5 7.5 7.5 7.5 7.6                                     | 7.5<br>7.5<br>7.5<br>7.5<br>7.3<br>7.2<br>7.2<br>7.2<br>7.2<br>7.3<br>7.3<br>7.4<br>7.5<br>7.6<br>7.6  | <br><br>6.8<br>6.7<br>6.7<br>6.6<br>6.6<br>6.6<br>6.6<br>6.6<br>6.7<br>6.8<br>6.9<br>7.0<br>7.1  | <br><br>7.1<br>7.0<br>6.9<br>6.9<br>6.9<br>6.8<br>6.8<br>6.9<br>7.0<br>7.1<br>7.2<br>7.3<br>7.4                                     |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25                               | 7.6<br>7.6<br>7.6<br>7.5<br>7.3<br>7.3<br>7.4<br>7.4<br>7.4   | 7.0<br>6.9<br>6.8<br>6.8<br>6.7<br>6.7<br>6.7<br>6.6<br>6.6<br>6.6                      | 7.3<br>7.3<br>7.3<br>7.3<br>7.1<br>7.0<br>7.1<br>7.0<br>7.0<br>7.0<br>6.9<br>6.9<br>6.9<br>7.0                             | 7.2 7.4 7.6 7.4 7.5 7.7 7.7 7.9                          | 6.7<br>6.8<br>6.9<br>6.8<br>6.7<br>6.9<br>7.0<br>7.0<br>6.9<br> | 7.0 7.1 7.1 7.0 7.2 7.2 7.3 7.3                      | 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8   | 7.5<br>7.4<br>7.4<br>7.4<br>7.4<br>7.4<br>7.3<br>7.3<br>7.3<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2 | 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.5 7.5 7.5 7.5 7.5 7.5 7.6 7.7                         | 7.5<br>7.5<br>7.5<br>7.5<br>7.3<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2<br>7.3<br>7.3<br>7.4<br>7.5<br>7.6<br>7.6<br>7.7<br>7.7<br>7.8<br>7.8   | <br><br>6.8<br>6.7<br>6.6<br>6.6<br>6.6<br>6.6<br>6.6<br>6.6<br>6.7<br>6.8<br>6.9<br>7.0<br>7.1<br>7.2<br>7.2<br>7.3<br>7.4                      | <br><br>7.1<br>7.0<br>6.9<br>6.9<br>6.9<br>6.8<br>6.8<br>6.9<br>7.0<br>7.1<br>7.2<br>7.3<br>7.4<br>7.5<br>7.6                       |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27                   | <br><br><br><br><br><br>7.6<br>7.6<br>7.6<br>7.6<br>7.5<br>7.5<br>7.4<br>7.3<br>7.3<br>7.3<br>7.3<br>7.3<br>7.4<br>7.4<br>7.4 | 7.0<br>7.1<br>7.0<br>6.9<br>6.8<br>6.8<br>6.8<br>6.7<br>6.7<br>6.7<br>6.6<br>6.6        | 7.3<br>7.3<br>7.3<br>7.2<br>7.1<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0                      | 7.2 7.4 7.6 7.4 7.5 7.7 7.7 7.9                          | 6.7 6.8 6.9 6.8 6.7 6.9 7.0 7.0 6.9                             | 7.0 7.1 7.1 7.0 7.2 7.3 7.3                          | 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8   | 7.5<br>7.4<br>7.4<br>7.4<br>7.4<br>7.4<br>7.3<br>7.3<br>7.3<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2 | 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.5 7.5 7.5 7.5 7.5 7.6 7.7                                 | 7.5<br>7.5<br>7.5<br>7.5<br>7.3<br>7.2<br>7.2<br>7.2<br>7.2<br>7.3<br>7.3<br>7.4<br>7.5<br>7.6<br>7.6<br>7.7<br>7.7<br>7.8<br>7.8<br>7.9   | <br><br>6.8<br>6.7<br>6.6<br>6.6<br>6.6<br>6.6<br>6.6<br>6.6<br>6.7<br>6.8<br>6.9<br>7.0<br>7.1<br>7.2<br>7.2<br>7.3<br>7.4<br>7.3               | <br><br>7.1<br>7.0<br>6.9<br>6.9<br>6.9<br>6.8<br>6.9<br>7.0<br>7.1<br>7.2<br>7.3<br>7.4<br>7.5<br>7.6<br>7.6                       |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28             | 7.6<br>7.6<br>7.6<br>7.6<br>7.5<br>7.3<br>7.3<br>7.3<br>7.3<br>7.4<br>7.4<br>7.4<br>7.4                                       | 7.0<br>6.9<br>6.8<br>6.8<br>6.7<br>6.7<br>6.7<br>6.7<br>6.7<br>6.7<br>6.7<br>6.7        | 7.3<br>7.3<br>7.3<br>7.3<br>7.2<br>7.1<br>7.0<br>7.0<br>7.0<br>7.0<br>6.9<br>6.9<br>6.9<br>6.9<br>7.0<br>7.0<br>7.0        | 7.2 7.4 7.6 7.4 7.5 7.7 7.7 7.9                          | 6.7 6.8 6.9 6.8 6.7 6.9 7.0 7.0 6.9                             | 7.0 7.1 7.1 7.0 7.2 7.2 7.3 7.3                      | 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8   | 7.5 7.4 7.4 7.4 7.4 7.4 7.3 7.3 7.3 7.2 7.2 7.2 7.2 7.3 7.4   | 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.5 7.5 7.5 7.5 7.6 7.7                                     | 7.5<br>7.5<br>7.5<br>7.5<br>7.3<br>7.2<br>7.2<br>7.2<br>7.2<br>7.3<br>7.3<br>7.4<br>7.5<br>7.6<br>7.6<br>7.7<br>7.8<br>7.8<br>7.9<br>8.0<br>8.0<br>8.2                             | <br><br>6.8<br>6.7<br>6.7<br>6.6<br>6.6<br>6.6<br>6.6<br>6.6<br>6.6<br>6.7<br>6.8<br>6.9<br>7.0<br>7.1<br>7.2<br>7.2<br>7.3<br>7.4               | <br><br>7.1<br>7.0<br>6.9<br>6.9<br>6.9<br>6.9<br>6.8<br>6.9<br>7.0<br>7.1<br>7.2<br>7.3<br>7.4<br>7.5<br>7.6<br>7.6<br>7.7         |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29       | 7.6<br>7.6<br>7.6<br>7.6<br>7.5<br>7.3<br>7.3<br>7.3<br>7.3<br>7.4<br>7.4<br>7.4<br>7.4<br>7.4<br>7.4<br>7.4                  | 7.0<br>6.9<br>6.8<br>6.8<br>6.7<br>6.7<br>6.7<br>6.7<br>6.7<br>6.7<br>6.7<br>6.7<br>6.7 | 7.3<br>7.3<br>7.3<br>7.3<br>7.3<br>7.1<br>7.0<br>7.0<br>7.0<br>7.0<br>6.9<br>6.9<br>6.9<br>6.9<br>7.0<br>7.0<br>7.0        | 7.2 7.4 7.6 7.4 7.5 7.7 7.7 7.9                          | 6.7 6.8 6.9 6.8 6.7 6.9 7.0 7.0 6.9                             | 7.0 7.1 7.1 7.0 7.2 7.3 7.3                          | 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8   | 7.5 7.4 7.4 7.4 7.4 7.3 7.3 7.3 7.2 7.2 7.2 7.2 7.2 7.3 7.4   | 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.5 7.5 7.5 7.5 7.5 7.6 7.7                                 | 7.5<br>7.5<br>7.5<br>7.5<br>7.3<br>7.2<br>7.2<br>7.2<br>7.2<br>7.3<br>7.3<br>7.4<br>7.5<br>7.6<br>7.6<br>7.7<br>7.8<br>7.8<br>7.9<br>8.0<br>8.0<br>8.2<br>8.1                      | <br><br>6.8<br>6.7<br>6.7<br>6.6<br>6.6<br>6.6<br>6.6<br>6.6<br>6.7<br>6.8<br>6.9<br>7.0<br>7.1<br>7.2<br>7.2<br>7.3<br>7.4<br>7.3<br>7.4        | <br><br>7.1<br>7.0<br>6.9<br>6.9<br>6.9<br>6.8<br>6.9<br>6.9<br>7.0<br>7.1<br>7.2<br>7.3<br>7.4<br>7.5<br>7.6<br>7.6<br>7.7         |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28             | 7.6<br>7.6<br>7.6<br>7.6<br>7.5<br>7.3<br>7.3<br>7.3<br>7.3<br>7.4<br>7.4<br>7.4<br>7.4                                       | 7.0<br>6.9<br>6.8<br>6.8<br>6.7<br>6.7<br>6.7<br>6.7<br>6.7<br>6.7<br>6.7<br>6.7        | 7.3<br>7.3<br>7.3<br>7.3<br>7.2<br>7.1<br>7.0<br>7.0<br>7.0<br>7.0<br>6.9<br>6.9<br>6.9<br>6.9<br>7.0<br>7.0<br>7.0        | 7.2 7.4 7.6 7.4 7.5 7.7 7.7 7.9                          | 6.7 6.8 6.9 6.8 6.7 6.9 7.0 7.0 6.9                             | 7.0 7.1 7.1 7.0 7.2 7.2 7.3 7.3                      | 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8   | 7.5 7.4 7.4 7.4 7.4 7.4 7.3 7.3 7.3 7.2 7.2 7.2 7.2 7.3 7.4   | 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.5 7.5 7.5 7.5 7.6 7.7                                     | 7.5<br>7.5<br>7.5<br>7.5<br>7.3<br>7.2<br>7.2<br>7.2<br>7.2<br>7.3<br>7.3<br>7.4<br>7.5<br>7.6<br>7.6<br>7.7<br>7.8<br>7.8<br>7.9<br>8.0<br>8.0<br>8.2                             | <br><br>6.8<br>6.7<br>6.7<br>6.6<br>6.6<br>6.6<br>6.6<br>6.6<br>6.6<br>6.7<br>6.8<br>6.9<br>7.0<br>7.1<br>7.2<br>7.2<br>7.3<br>7.4               | <br><br>7.1<br>7.0<br>6.9<br>6.9<br>6.9<br>6.9<br>6.8<br>6.9<br>7.0<br>7.1<br>7.2<br>7.3<br>7.4<br>7.5<br>7.6<br>7.6<br>7.7         |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29<br>30 | 7.6<br>7.6<br>7.6<br>7.6<br>7.5<br>7.3<br>7.3<br>7.3<br>7.4<br>7.4<br>7.4<br>7.4<br>7.4<br>7.4<br>7.4<br>7.4<br>7.4           | 7.0<br>6.9<br>6.8<br>6.8<br>6.8<br>6.7<br>6.7<br>6.7<br>6.7<br>6.7<br>6.7<br>6.7<br>6.7 | 7.3<br>7.3<br>7.3<br>7.3<br>7.3<br>7.1<br>7.0<br>7.1<br>7.0<br>7.0<br>7.0<br>6.9<br>6.9<br>6.9<br>6.9<br>7.0<br>7.0<br>7.0 | 7.2 7.4 7.6 7.4 7.5 7.7 7.7 7.9                          | 6.7 6.8 6.9 6.8 6.7 6.9 7.0 7.0 6.9                             | 7.0 7.1 7.1 7.0 7.2 7.2 7.3 7.3                      | 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8   | 7.5 7.4 7.4 7.4 7.4 7.3 7.3 7.3 7.2 7.2 7.2 7.2 7.3 7.4   | 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.5 7.5 7.5 7.5 7.5 7.6 7.7                                 | 7.5<br>7.5<br>7.5<br>7.5<br>7.3<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2<br>7.3<br>7.3<br>7.4<br>7.5<br>7.6<br>7.6<br>7.7<br>7.7<br>7.8<br>7.8<br>7.9<br>8.0<br>8.0<br>8.2<br>8.1<br>8.0 | <br><br>6.8<br>6.7<br>6.6<br>6.6<br>6.6<br>6.6<br>6.6<br>6.6<br>6.7<br>6.8<br>6.9<br>7.0<br>7.1<br>7.2<br>7.2<br>7.3<br>7.4<br>7.3<br>7.4<br>7.5 | <br><br>7.11<br>7.0<br>6.9<br>6.9<br>6.9<br>6.8<br>6.8<br>6.9<br>7.0<br>7.1<br>7.2<br>7.3<br>7.3<br>7.4<br>7.5<br>7.6<br>7.6<br>7.7 |

845

### 02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, NC—Continued

### PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP—CONTINUED WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

| DAY                              | MAX                             | MIN                             | MEAN                            | MAX                                    | MIN                                    | MEAN                                   | MAX                             | MIN                                    | MEAN                                   | MAX                             | MIN                             | MEAN                            |
|----------------------------------|---------------------------------|---------------------------------|---------------------------------|--|--|--|---------------------------------|--|--|---------------------------------|---------------------------------|---------------------------------|
|                                  |                                 | JUNE                            |                                 |  | JULY                                   |  |                                 | AUGUST                                 | ,                                      | S                               | ЕРТЕМВІ                         | ER                              |
| 1<br>2<br>3<br>4<br>5            | 8.0<br>8.3<br>8.2<br>8.1<br>8.1 | 7.5<br>7.4<br>7.6<br>7.6<br>7.6 | 7.7<br>7.8<br>7.9<br>7.9<br>7.9 | 7.9<br>7.9<br>7.9<br>7.8<br>7.8        | 7.5<br>7.4<br>7.4<br>7.3<br>7.3        | 7.7<br>7.6<br>7.6<br>7.5<br>7.6        | 7.8<br>7.8<br>7.8<br>7.8<br>7.9 | 7.5<br>7.4<br>7.3<br>7.3<br>7.3        | 7.7<br>7.6<br>7.6<br>7.6<br>7.6        | 7.3<br>7.2<br>7.1<br>7.0<br>7.0 | 6.7<br>6.7<br>6.7<br>6.6<br>6.5 | 6.9<br>6.8<br>6.8<br>6.7<br>6.7 |
| 6<br>7<br>8<br>9<br>10           | 8.1<br>8.2<br>8.3<br>8.3<br>8.2 | 7.6<br>7.6<br>7.5<br>7.6<br>7.5 | 7.9<br>7.9<br>7.9<br>7.9<br>7.9 | 7.9<br>8.2<br>8.0<br>8.0<br>8.0        | 7.3<br>7.2<br>7.4<br>7.3<br>7.2        | 7.6<br>7.7<br>7.7<br>7.7<br>7.6        | 7.8<br>8.0<br>8.0<br>8.2<br>8.2 | 7.3<br>7.3<br>7.3<br>7.2<br>7.2        | 7.5<br>7.6<br>7.6<br>7.6<br>7.6        | 6.9<br>7.0<br>7.3<br>7.2<br>6.9 | 6.5<br>6.6<br>6.8<br>6.8<br>6.5 | 6.7<br>6.7<br>7.0<br>7.0<br>6.7 |
| 11<br>12<br>13<br>14<br>15       | 8.2<br>8.2<br>8.0<br>8.0<br>8.3 | 7.5<br>7.4<br>7.4<br>7.4<br>7.5 | 7.9<br>7.8<br>7.7<br>7.7<br>7.9 | 7.8<br>7.7<br>7.8<br>8.0<br>8.0        | 7.2<br>7.2<br>7.3<br>7.3<br>7.4        | 7.6<br>7.5<br>7.5<br>7.6<br>7.7        | 8.1<br>7.9<br>7.8<br>7.7<br>7.5 | 7.3<br>7.4<br>7.4<br>7.3<br>7.0        | 7.7<br>7.7<br>7.6<br>7.5<br>7.3        | 6.9<br>6.9<br>7.0<br>7.0<br>6.9 | 6.6<br>6.4<br>6.4<br>6.5        | 6.7<br>6.7<br>6.7<br>6.6<br>6.6 |
| 16<br>17<br>18<br>19<br>20       | 8.3<br>8.2<br>8.2<br>8.3<br>8.3 | 7.7<br>7.6<br>7.7<br>7.8<br>7.7 | 8.0<br>7.9<br>8.0<br>8.0<br>8.0 | 8.1<br>8.1<br>7.9<br>7.9<br>8.1        | 7.4<br>7.4<br>7.4<br>7.3<br>7.3        | 7.8<br>7.7<br>7.6<br>7.6<br>7.7        | 7.2<br>7.1<br>7.0<br>7.0<br>6.9 | 6.9<br>6.8<br>6.6<br>6.6<br>6.4        | 7.1<br>6.9<br>6.8<br>6.7<br>6.7        | 6.8<br>6.9<br>6.9<br>7.2<br>7.8 | 6.4<br>6.4<br>6.5<br>6.4<br>6.6 | 6.6<br>6.7<br>6.7<br>6.7<br>7.0 |
| 21<br>22<br>23<br>24<br>25       | 8.3<br>8.4<br>8.3<br>8.3<br>8.2 | 7.7<br>7.8<br>7.7<br>7.6<br>7.5 | 8.0<br>8.1<br>8.0<br>7.9<br>8.0 | 8.0<br>8.1<br>8.1<br>7.9<br>7.9        | 7.3<br>7.4<br>7.4<br>7.3<br>7.2        | 7.7<br>7.7<br>7.7<br>7.6<br>7.5        | 6.9<br>6.8<br>6.8<br>6.9<br>7.0 | 6.3<br>6.2<br>6.3<br>6.3               | 6.6<br>6.4<br>6.5<br>6.5<br>6.6        | <br><br>7.7<br>                 | <br><br>6.8<br>                 | <br><br>7.1<br>                 |
| 26<br>27<br>28<br>29<br>30<br>31 | 8.2<br>8.1<br>8.0<br>8.0<br>8.0 | 7.7<br>7.6<br>7.5<br>7.4<br>7.5 | 8.0<br>7.9<br>7.8<br>7.7<br>7.7 | 7.8<br>7.8<br>7.9<br>7.8<br>7.8<br>7.8 | 7.3<br>7.3<br>7.5<br>7.4<br>7.4<br>7.4 | 7.5<br>7.6<br>7.6<br>7.6<br>7.6<br>7.6 | 7.3<br>7.3<br>7.6<br>7.6<br>7.4 | 6.4<br>6.6<br>6.7<br>6.8<br>7.0<br>6.8 | 6.7<br>6.8<br>6.9<br>7.1<br>7.3<br>7.0 | 7.7<br>7.8<br>7.8<br>7.7<br>7.7 | 7.0<br>7.2<br>7.4<br>7.1<br>7.1 | 7.3<br>7.5<br>7.6<br>7.4<br>7.3 |
| MONTH                            | 8.4                             | 7.4                             | 7.9                             | 8.2                                    | 7.2                                    | 7.6                                    | 8.2                             | 6.2                                    | 7.2                                    |                                 |                                 |                                 |

### $02108820~\mathrm{CAPE}~\mathrm{FEAR}~\mathrm{RIVER}~\mathrm{AT}~\mathrm{CHANNEL}~\mathrm{MARKER}~12~\mathrm{NEAR}~\mathrm{CAROLINA}~\mathrm{BEACH}, \mathrm{NC-\!\!\!\!-Continued}$

# PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, TOP WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

| DAY      | MAX        | MIN        | MEAN       | MAX        | MIN        | MEAN       | MAX | MIN    | MEAN | MAX | MIN     | MEAN |
|----------|------------|------------|------------|------------|------------|------------|-----|--------|------|-----|---------|------|
|          |            | ОСТОВЕН    | ₹.         | N          | OVEMBE     | ER         | D   | ECEMBE | ER   | ]   | JANUAR' | Y    |
| 1        | 7.7        | 7.0        | 7.3<br>7.2 | 7.8        | 7.4<br>7.3 | 7.6        | 7.6 | 7.1    | 7.3  |     |         |      |
| 2 3      | 7.6<br>7.4 | 6.9<br>6.9 | 7.2        | 7.8<br>7.8 | 7.3<br>7.4 | 7.6<br>7.6 |     |        |      |     |         |      |
| 4        | 7.3        | 6.9        | 7.0        | 7.9        | 7.4        | 7.7        |     |        |      |     |         |      |
| 5        | 7.2        | 6.9        | 7.0        | 7.9        | 7.5        | 7.7        |     |        |      |     |         |      |
| 6        | 7.6        | 6.9        | 7.1        | 7.9        | 7.5        | 7.7        |     |        |      |     |         |      |
| 7<br>8   | 7.7<br>7.8 | 6.9<br>7.0 | 7.1<br>7.3 | 7.9<br>7.9 | 7.5<br>7.6 | 7.7<br>7.7 |     |        |      |     |         |      |
| 9        | 7.8<br>7.8 | 7.0        | 7.5<br>7.5 | 8.0        | 7.6        | 7.7        |     |        |      |     |         |      |
| 10       | 7.9        | 7.3        | 7.6        | 8.2        | 7.7        | 7.9        |     |        |      |     |         |      |
| 11       | 7.9        | 7.4        | 7.6        | 8.0        | 7.7        | 7.9        |     |        |      |     |         |      |
| 12       | 7.9        | 7.5        | 7.7        | 8.0        | 7.7        | 7.9        |     |        |      |     |         |      |
| 13       | 7.9        | 7.5        | 7.7        | 7.9        | 7.6        | 7.7        |     |        |      |     |         |      |
| 14<br>15 | 7.9<br>7.9 | 7.5<br>7.5 | 7.7<br>7.7 | 7.9<br>7.9 | 7.6<br>7.6 | 7.8<br>7.8 |     |        |      |     |         |      |
| 13       | 7.9        | 7.3        | 7.7        | 7.9        | 7.0        | 7.0        |     |        |      |     |         |      |
| 16       | 7.9        | 7.4        | 7.6        | 7.9        | 7.6        | 7.8        |     |        |      |     |         |      |
| 17       | 7.8        | 7.3        | 7.5        | 7.9        | 7.5        | 7.7        |     |        |      |     |         |      |
| 18       | 7.8        | 7.2        | 7.5        | 7.8        | 7.4        | 7.6        |     |        |      |     |         |      |
| 19<br>20 | 7.8<br>7.8 | 7.3<br>7.2 | 7.6<br>7.5 | 7.8<br>7.7 | 7.3<br>7.2 | 7.5<br>7.4 |     |        |      |     |         |      |
| 20       | 7.0        | 1.2        | 1.5        | 7.7        | 1.2        | 7.4        |     |        |      |     |         |      |
| 21       | 7.9        | 7.3        | 7.6        | 7.6        | 7.2        | 7.4        |     |        |      |     |         |      |
| 22       | 7.9        | 7.4        | 7.7        | 7.6        | 7.2        | 7.4        |     |        |      |     |         |      |
| 23       | 7.9        | 7.6        | 7.8        | 7.7        | 7.2        | 7.5        |     |        |      |     |         |      |
| 24<br>25 | 7.9<br>7.9 | 7.6<br>7.6 | 7.8<br>7.8 | 7.7<br>7.7 | 7.3<br>7.3 | 7.5<br>7.5 |     |        |      |     |         |      |
| 23       | 1.9        | 7.0        | 7.0        | 7.7        | 1.3        | 1.5        |     |        |      |     |         |      |
| 26       | 7.9        | 7.6        | 7.7        | 7.7        | 7.2        | 7.4        |     |        |      |     |         |      |
| 27       | 7.9        | 7.5        | 7.7        | 7.6        | 7.2        | 7.4        |     |        |      |     |         |      |
| 28       | 7.9        | 7.5        | 7.7        | 7.6        | 7.2        | 7.4        |     |        |      |     |         |      |
| 29<br>30 | 7.9<br>7.8 | 7.4<br>7.4 | 7.7<br>7.6 | 7.6<br>7.5 | 7.1<br>7.0 | 7.3<br>7.3 |     |        |      |     |         |      |
| 31       | 7.8<br>7.8 | 7.4<br>7.4 | 7.6<br>7.6 | 7.3        | 7.0        | 7.3        |     |        |      |     |         |      |
|          |            |            |            |            |            |            |     |        |      |     |         |      |
| MONTH    | 7.9        | 6.9        | 7.5        | 8.2        | 7.0        | 7.6        |     |        |      |     |         |      |

# PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

| DAY  | MAX                          | MIN                  | MEAN         | MAX   | MIN  | MEAN   | MAX   | MIN   | MEAN  | MAX  | MIN   | MEAN   |
|--|------------------------------|----------------------|--------------|---|--|--|---|---|---|--|---|--|
|  |                              | OCTOBER              | 2            | N   | OVEMBE   | R  |   | ECEMBE  | ER  | •  | JANUARY   | •  |
| 1 2  |                              |                      |              |   |  |  | 7.7<br>7.6  | 7.1<br>7.0  | 7.4<br>7.4  | 7.7<br>7.6   | 6.5<br>6.3  | 7.1<br>7.1   |
| 3<br>4   |                              |                      |              |   |  |  | 7.7<br>7.7  | 7.2<br>7.2  | 7.4<br>7.5  | 7.7<br>7.4   | 6.3<br>6.6  | 7.0<br>7.1   |
| 5  |                              |                      |              |   |  |  | 7.7   | 7.2   | 7.5   | 7.4  | 6.7   | 7.1  |
| 6<br>7   |                              |                      |              |   |  |  | 7.7<br>7.7  | 7.0<br>7.1  | 7.4<br>7.4  | 7.6<br>7.6   | 6.7<br>6.5  | 7.3<br>7.2   |
| 8<br>9   |                              |                      |              | 7.4   | 6.5  | 6.9  | 7.7   | 7.1   | 7.4   | 7.7  | 6.7   | 7.3  |
| 10   |                              |                      |              | 7.5<br>7.6  | 6.6<br>6.8   | 7.1<br>7.2   | 7.6<br>7.6  | 7.0<br>7.0  | 7.4<br>7.4  | 7.6<br>7.6   | 7.1<br>7.1  | 7.4<br>7.4   |
| 11   |                              |                      |              | 7.5   | 6.8  | 7.1  | 7.5   | 7.0   | 7.3   | 7.6  | 7.2   | 7.4  |
| 12<br>13   |                              |                      |              | 7.5<br>7.4  | 6.7<br>6.7   | 7.0<br>7.1   | 7.5<br>7.6  | 6.9<br>6.7  | 7.2<br>7.2  | 7.5<br>7.5   | 7.2<br>7.1  | 7.4<br>7.3   |
| 14<br>15   |                              |                      |              | 7.5<br>7.6  | 6.8<br>6.8   | 7.1<br>7.2   | 7.6<br>7.4  | 6.6<br>6.7  | 7.2<br>7.0  | 7.5<br>7.5   | 7.1<br>7.0  | 7.3<br>7.3   |
| 16   |                              |                      |              | 7.6   | 6.8  | 7.2  | 7.5   | 6.7   | 7.0   | 7.4  | 7.0   | 7.3  |
| 17<br>18   |                              |                      |              | 7.6<br>7.7  | 6.9<br>7.0   | 7.3<br>7.3   | 7.3<br>7.4  | 6.6<br>6.7  | 6.9<br>7.0  | 7.4<br>7.4   | 7.0<br>7.0  | 7.3<br>7.3   |
| 19<br>20   |                              |                      |              | 7.6<br>7.6  | 7.1<br>7.2   | 7.4<br>7.4   | 7.3<br>7.5  | 6.6<br>6.7  | 7.0<br>7.1  | 7.4<br>7.4   | 7.0<br>7.0  | 7.2<br>7.2   |
| 21   |                              |                      |              | 7.8   | 7.2  | 7.5  | 7.6   | 6.6   | 7.1   | 7.4  | 7.0   | 7.3  |
| 22<br>23   |                              |                      |              | 7.7<br>7.7  | 7.3<br>7.2   | 7.5<br>7.4   | 7.7<br>7.5  | 6.6<br>6.5  | 7.1<br>7.1  | 7.4<br>7.4   | 7.0<br>7.0  | 7.2<br>7.2   |
| 24<br>25   |                              |                      |              | 7.7<br>7.6  | 7.1<br>7.0   | 7.3<br>7.3   | 7.7<br>7.6  | 6.8<br>6.5  | 7.2<br>7.1  | 7.4  | 7.0<br>7.0  | 7.2<br>7.2   |
| 26   |                              |                      |              | 7.0   | 7.0  | 7.3<br>7.4   | 7.5   | 6.3   | 6.8   | 7.4<br>7.4   | 7.0   | 7.2  |
| 27   |                              |                      |              | 7.7   | 7.2  | 7.4  | 7.6   | 6.3   | 6.8   | 7.3  | 7.0   | 7.2  |
| 28<br>29   |                              |                      |              | 7.7<br>7.6  | 7.2<br>7.3   | 7.5<br>7.4   | 7.5<br>7.4  | 6.5<br>6.3  | 6.9<br>6.9  | 7.3<br>7.2   | 6.9<br>6.9  | 7.1<br>7.1   |
| 30<br>31   |                              |                      |              | 7.7<br>   | 7.2  | 7.4<br>  | 7.6<br>7.6  | 6.3<br>6.3  | 6.9<br>7.0  | 7.2  | 6.8   | 7.1<br>  |
| MONTH  |                              |                      |              |   |  |  | 7.7   | 6.3   | 7.2   |  |   |  |
|  |                              |                      |              |   |  |  |   |   |   |  |   |  |
|  | ]                            | FEBRUAR              | Y            |   | MARCH  |  |   | APRIL   |   |  | MAY   |  |
| 1  |                              |                      |              | <br>7.6   |  | <br>7 1  | 7.8   | 7.3   | 7.6   |  |   |  |
| 2 3  |                              |                      |              | 7.6<br>7.6  | 6.9<br>6.9   | 7.1<br>7.1   | 7.5<br>7.4  | 7.3<br>7.2<br>7.1   | 7.3<br>7.3  |  | <br>  |  |
| 2  |                              |                      |              | 7.6   | 6.9  | 7.1  | 7.5   | 7.3<br>7.2  | 7.3   |  |   |  |
| 2<br>3<br>4<br>5   | <br><br><br>                 | <br><br>             | <br><br><br> | 7.6<br>7.6<br>7.6<br>7.6<br>7.6   | 6.9<br>6.9<br>6.9<br>6.9<br>7.0  | 7.1<br>7.1<br>7.2<br>7.2<br>7.3  | 7.5<br>7.4<br>7.4<br>7.3<br>7.3   | 7.3<br>7.2<br>7.1<br>7.1<br>7.0<br>7.0  | 7.3<br>7.3<br>7.2<br>7.2<br>7.1   | <br><br>   | <br><br><br>  | <br><br>   |
| 2<br>3<br>4<br>5<br>6<br>7<br>8  | <br><br><br>                 | <br><br>             | <br><br>     | 7.6<br>7.6<br>7.6<br>7.6  | 6.9<br>6.9<br>6.9<br>6.9<br>7.0<br>7.1<br>7.1  | 7.1<br>7.1<br>7.2<br>7.2<br>7.3<br>7.3<br>7.4  | 7.5<br>7.4<br>7.4<br>7.3<br>7.3<br>7.3<br>7.2   | 7.3<br>7.2<br>7.1<br>7.1<br>7.0   | 7.3<br>7.3<br>7.2<br>7.2<br>7.1<br>7.1<br>7.1   | <br><br>   | <br><br><br>  | <br><br>   |
| 2<br>3<br>4<br>5   | <br><br><br>                 | <br><br><br>         |              | 7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.8  | 6.9<br>6.9<br>6.9<br>6.9<br>7.0<br>7.1   | 7.1<br>7.1<br>7.2<br>7.2<br>7.3<br>7.3   | 7.5<br>7.4<br>7.4<br>7.3<br>7.3<br>7.3<br>7.2<br>7.2                                    | 7.3<br>7.2<br>7.1<br>7.1<br>7.0<br>7.0<br>6.9   | 7.3<br>7.3<br>7.2<br>7.2<br>7.1<br>7.1  | <br><br><br>7.6  | <br><br><br><br>6.9   | <br><br><br>7.2<br>7.1<br>7.1  |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9   | <br><br><br><br><br>         | <br><br><br>         |              | 7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.8<br>7.8<br>7.9<br>7.9   | 6.9<br>6.9<br>6.9<br>6.9<br>7.0<br>7.1<br>7.1  | 7.1<br>7.1<br>7.2<br>7.2<br>7.3<br>7.3<br>7.4<br>7.5<br>7.5  | 7.5<br>7.4<br>7.4<br>7.3<br>7.3<br>7.3<br>7.2   | 7.3<br>7.2<br>7.1<br>7.1<br>7.0<br>7.0<br>6.9<br>6.9<br>6.9<br>7.0                      | 7.3<br>7.3<br>7.2<br>7.2<br>7.1<br>7.1<br>7.1<br>7.1<br>7.1<br>7.1                      | <br><br><br>7.6<br>7.6<br>7.7  | <br><br><br>6.9<br>6.8<br>6.8   | <br><br><br>7.2<br>7.1<br>7.0<br>7.0   |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10   | <br><br><br><br><br>         | <br><br><br><br>     |              | 7.6<br>7.6<br>7.6<br>7.6<br>7.8<br>7.8<br>7.9<br>7.9<br>7.9   | 6.9<br>6.9<br>6.9<br>6.9<br>7.0<br>7.1<br>7.1<br>7.1<br>7.2<br>7.2   | 7.1<br>7.1<br>7.2<br>7.2<br>7.3<br>7.3<br>7.4<br>7.5<br>7.5<br>7.6<br>7.5                                    | 7.5<br>7.4<br>7.4<br>7.3<br>7.3<br>7.3<br>7.2<br>7.2<br>7.3<br>7.2<br>7.2               | 7.3<br>7.2<br>7.1<br>7.1<br>7.0<br>7.0<br>6.9<br>6.9<br>6.9<br>7.0<br>6.8<br>6.8        | 7.3<br>7.3<br>7.2<br>7.2<br>7.1<br>7.1<br>7.1<br>7.1<br>7.1<br>7.1<br>7.0               | <br><br><br>7.6<br>7.6<br>7.7<br>7.6<br>7.6<br>7.6   | <br><br><br>6.9<br>6.8<br>6.8<br>6.7<br>6.7   | <br><br>7.2<br>7.1<br>7.0<br>7.0<br>7.0  |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14   |                              |                      |              | 7.6<br>7.6<br>7.6<br>7.6<br>7.8<br>7.8<br>7.9<br>7.9<br>7.9<br>7.9<br>7.8<br>7.8  | 6.9<br>6.9<br>6.9<br>6.9<br>7.0<br>7.1<br>7.1<br>7.1<br>7.2<br>7.2<br>7.1  | 7.1<br>7.1<br>7.2<br>7.2<br>7.3<br>7.3<br>7.4<br>7.5<br>7.5<br>7.6<br>7.5<br>7.4<br>7.4                      | 7.5<br>7.4<br>7.4<br>7.3<br>7.3<br>7.3<br>7.2<br>7.2<br>7.3<br>7.2<br>7.2<br>7.1<br>7.0 | 7.3<br>7.2<br>7.1<br>7.1<br>7.0<br>7.0<br>6.9<br>6.9<br>7.0<br>6.8<br>6.8<br>6.8<br>6.6 | 7.3<br>7.3<br>7.2<br>7.2<br>7.1<br>7.1<br>7.1<br>7.1<br>7.1<br>7.0<br>7.0<br>6.9        | 7.6<br>7.6<br>7.7<br>7.6<br>7.6<br>7.7<br>7.6<br>7.6<br>7.7  | <br><br><br>6.9<br>6.8<br>6.8<br>6.7<br>6.7<br>6.7<br>6.6<br>6.6  | <br><br>7.2<br>7.1<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0  |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15   | <br><br><br><br><br><br><br> | <br><br><br><br><br> |              | 7.6<br>7.6<br>7.6<br>7.6<br>7.8<br>7.8<br>7.9<br>7.9<br>7.9<br>7.8<br>7.8<br>7.8<br>7.8   | 6.9<br>6.9<br>6.9<br>7.0<br>7.1<br>7.1<br>7.1<br>7.2<br>7.2<br>7.1<br>7.1  | 7.1<br>7.1<br>7.2<br>7.2<br>7.3<br>7.3<br>7.4<br>7.5<br>7.5<br>7.6<br>7.5<br>7.4<br>7.4<br>7.4               | 7.5<br>7.4<br>7.4<br>7.3<br>7.3<br>7.2<br>7.2<br>7.3<br>7.2<br>7.2<br>7.1<br>7.0<br>7.1 | 7.3<br>7.2<br>7.1<br>7.1<br>7.0<br>6.9<br>6.9<br>6.9<br>7.0<br>6.8<br>6.8<br>6.6<br>6.6 | 7.3<br>7.3<br>7.2<br>7.2<br>7.1<br>7.1<br>7.1<br>7.1<br>7.1<br>7.0<br>7.0<br>6.9<br>6.8 | 7.6<br>7.6<br>7.7<br>7.6<br>7.6<br>7.7<br>7.6<br>7.6<br>7.6<br>7.5<br>7.4  | <br><br><br>6.9<br>6.8<br>6.8<br>6.7<br>6.7<br>6.7<br>6.6<br>6.6<br>6.7   | 7.2<br>7.1<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0  |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15   |                              |                      |              | 7.6<br>7.6<br>7.6<br>7.6<br>7.8<br>7.8<br>7.9<br>7.9<br>7.9<br>7.8<br>7.8<br>7.8<br>7.8   | 6.9<br>6.9<br>6.9<br>6.9<br>7.0<br>7.1<br>7.1<br>7.1<br>7.2<br>7.2<br>7.1<br>7.1<br>7.1  | 7.1<br>7.1<br>7.2<br>7.2<br>7.3<br>7.3<br>7.4<br>7.5<br>7.5<br>7.6<br>7.5<br>7.4<br>7.4<br>7.4<br>7.5<br>7.5 | 7.5<br>7.4<br>7.4<br>7.3<br>7.3<br>7.3<br>7.2<br>7.2<br>7.2<br>7.2<br>7.1<br>7.0<br>7.1 | 7.3<br>7.2<br>7.1<br>7.1<br>7.0<br>6.9<br>6.9<br>7.0<br>6.8<br>6.8<br>6.8<br>6.6<br>6.6 | 7.3 7.3 7.2 7.2 7.1 7.1 7.1 7.1 7.1 7.0 7.0 6.9 6.8 6.9                                 | 7.6<br>7.6<br>7.6<br>7.7<br>7.6<br>7.6<br>7.5<br>7.4<br>7.5  | <br><br>6.9<br>6.8<br>6.8<br>6.7<br>6.7<br>6.6<br>6.6<br>6.7<br>6.7<br>6.8  | 7.2<br>7.1<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.1   |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19   |                              |                      |              | 7.6<br>7.6<br>7.6<br>7.6<br>7.8<br>7.8<br>7.9<br>7.9<br>7.9<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8                             | 6.9<br>6.9<br>6.9<br>6.9<br>7.0<br>7.1<br>7.1<br>7.1<br>7.2<br>7.2<br>7.1<br>7.1<br>7.1<br>7.2<br>7.2<br>7.2<br>7.2                                    | 7.1 7.1 7.2 7.2 7.3 7.3 7.4 7.5 7.6 7.5 7.4 7.4 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5                      | 7.5 7.4 7.4 7.3 7.3 7.3 7.2 7.2 7.2 7.1 7.0 7.1   | 7.3 7.2 7.1 7.1 7.0 7.0 6.9 6.9 6.9 7.0 6.8 6.8 6.6 6.7                                 | 7.3 7.3 7.2 7.2 7.1 7.1 7.1 7.1 7.1 7.0 7.0 6.9 6.8 6.9                                 | 7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.5<br>7.4<br>7.5<br>7.6<br>7.6<br>7.6<br>7.7   | <br><br><br>6.9<br>6.8<br>6.8<br>6.7<br>6.7<br>6.7<br>6.6<br>6.6<br>6.7<br>6.7<br>6.8<br>6.9<br>7.0   | <br><br><br>7.2<br>7.1<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.1<br>7.1<br>7.2                                      |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20   |                              |                      |              | 7.6<br>7.6<br>7.6<br>7.6<br>7.8<br>7.8<br>7.9<br>7.9<br>7.9<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8                             | 6.9<br>6.9<br>6.9<br>6.9<br>7.0<br>7.1<br>7.1<br>7.1<br>7.2<br>7.2<br>7.1<br>7.1<br>7.1<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2                             | 7.1 7.1 7.2 7.2 7.3 7.3 7.4 7.5 7.6 7.5 7.4 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5                      | 7.5 7.4 7.4 7.3 7.3 7.3 7.2 7.2 7.2 7.1 7.0 7.1 7.1                                     | 7.3 7.2 7.1 7.1 7.0 7.0 6.9 6.9 7.0 6.8 6.8 6.6 6.6 6.7                                 | 7.3 7.3 7.2 7.2 7.1 7.1 7.1 7.1 7.1 7.0 7.0 6.9 6.8 6.9                                 | <br><br>7.6<br>7.6<br>7.7<br>7.6<br>7.6<br>7.6<br>7.5<br>7.4<br>7.5<br>7.6<br>7.6<br>7.7   | <br><br>6.9<br>6.8<br>6.8<br>6.7<br>6.7<br>6.6<br>6.6<br>6.7<br>6.7<br>6.8<br>6.9<br>7.0<br>7.0   | 7.2<br>7.1<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.1<br>7.1<br>7.2<br>7.3                                    |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22   |                              |                      |              | 7.6<br>7.6<br>7.6<br>7.6<br>7.8<br>7.8<br>7.9<br>7.9<br>7.9<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8               | 6.9<br>6.9<br>6.9<br>6.9<br>7.0<br>7.1<br>7.1<br>7.1<br>7.2<br>7.2<br>7.1<br>7.1<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2                      | 7.1 7.1 7.2 7.2 7.3 7.3 7.4 7.5 7.5 7.6 7.5 7.4 7.4 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5              | 7.5 7.4 7.4 7.3 7.3 7.3 7.2 7.2 7.2 7.1 7.0 7.1 7.1                                     | 7.3 7.2 7.1 7.1 7.0 7.0 6.9 6.9 6.9 7.0 6.8 6.8 6.6 6.7                                 | 7.3 7.3 7.2 7.2 7.1 7.1 7.1 7.1 7.1 7.0 7.0 6.9 6.8 6.9                                 | 7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.5<br>7.4<br>7.5<br>7.6<br>7.6<br>7.7<br>7.7   | <br><br>6.9<br>6.8<br>6.8<br>6.7<br>6.7<br>6.7<br>6.6<br>6.6<br>6.7<br>6.7<br>6.7<br>6.7<br>7.0<br>7.0  | 7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0   |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24                                     |                              |                      |              | 7.6<br>7.6<br>7.6<br>7.6<br>7.8<br>7.8<br>7.9<br>7.9<br>7.9<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8 | 6.9<br>6.9<br>6.9<br>6.9<br>7.0<br>7.1<br>7.1<br>7.1<br>7.2<br>7.2<br>7.1<br>7.1<br>7.1<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2 | 7.1 7.1 7.2 7.2 7.3 7.3 7.3 7.4 7.5 7.6 7.5 7.4 7.4 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5              | 7.5 7.4 7.4 7.3 7.3 7.3 7.2 7.2 7.2 7.3 7.2 7.1 7.1                                     | 7.3 7.2 7.1 7.1 7.0 7.0 6.9 6.9 6.9 7.0 6.8 6.8 6.6 6.6 6.7                             | 7.3 7.3 7.2 7.2 7.1 7.1 7.1 7.1 7.1 7.0 6.9 6.8 6.9                                     | 7.6<br>7.6<br>7.6<br>7.7<br>7.6<br>7.6<br>7.5<br>7.4<br>7.5<br>7.6<br>7.6<br>7.7<br>7.7<br>7.7   | <br><br>6.9<br>6.8<br>6.8<br>6.7<br>6.7<br>6.6<br>6.6<br>6.7<br>6.7<br>6.8<br>6.9<br>7.0<br>7.0<br>7.1<br>7.2<br>7.3<br>7.3   | 7.2<br>7.2<br>7.1<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.1<br>7.1<br>7.1<br>7.2<br>7.3<br>7.4<br>7.4<br>7.5<br>7.6 |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25                               |                              |                      |              | 7.6<br>7.6<br>7.6<br>7.6<br>7.8<br>7.8<br>7.9<br>7.9<br>7.9<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8 | 6.9<br>6.9<br>6.9<br>7.0<br>7.1<br>7.1<br>7.1<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2                                    | 7.1 7.1 7.2 7.2 7.3 7.3 7.4 7.5 7.5 7.6 7.5 7.4 7.4 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5              | 7.5 7.4 7.4 7.3 7.3 7.3 7.2 7.2 7.2 7.1 7.0 7.1 7.1                                     | 7.3 7.2 7.1 7.1 7.0 7.0 6.9 6.9 6.9 7.0 6.8 6.8 6.6 6.6 6.7                             | 7.3 7.3 7.2 7.2 7.1 7.1 7.1 7.1 7.1 7.0 7.0 6.9 6.8 6.9                                 | 7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.5<br>7.4<br>7.5<br>7.6<br>7.6<br>7.7<br>7.7<br>7.7<br>7.7  | <br><br>6.9<br>6.8<br>6.8<br>6.7<br>6.7<br>6.6<br>6.6<br>6.6<br>6.7<br>6.7<br>6.8<br>6.9<br>7.0<br>7.0<br>7.1<br>7.2<br>7.3<br>7.3<br>7.4                             | 7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0   |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27                   |                              |                      |              | 7.6<br>7.6<br>7.6<br>7.6<br>7.8<br>7.8<br>7.9<br>7.9<br>7.9<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8 | 6.9<br>6.9<br>6.9<br>6.9<br>7.0<br>7.1<br>7.1<br>7.1<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2                             | 7.1 7.1 7.2 7.2 7.3 7.3 7.3 7.4 7.5 7.6 7.5 7.4 7.4 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5              | 7.5 7.4 7.4 7.3 7.3 7.3 7.2 7.2 7.2 7.1 7.0 7.1   | 7.3 7.2 7.1 7.1 7.0 7.0 6.9 6.9 7.0 6.8 6.8 6.6 6.7                                     | 7.3 7.3 7.2 7.2 7.1 7.1 7.1 7.1 7.1 7.0 7.0 6.9 6.8 6.9                                 | 7.6<br>7.6<br>7.6<br>7.7<br>7.6<br>7.6<br>7.5<br>7.4<br>7.5<br>7.6<br>7.6<br>7.7<br>7.7<br>7.7   | <br><br>6.9<br>6.8<br>6.8<br>6.7<br>6.7<br>6.6<br>6.6<br>6.7<br>6.7<br>6.8<br>6.9<br>7.0<br>7.0<br>7.1<br>7.2<br>7.3<br>7.3   | 7.2<br>7.1<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.1<br>7.1<br>7.2<br>7.3<br>7.4<br>7.5<br>7.6<br>7.7 |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26                         |                              |                      |              | 7.6<br>7.6<br>7.6<br>7.6<br>7.8<br>7.8<br>7.9<br>7.9<br>7.9<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8 | 6.9<br>6.9<br>6.9<br>6.9<br>7.0<br>7.1<br>7.1<br>7.1<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2                             | 7.1 7.1 7.2 7.2 7.3 7.3 7.4 7.5 7.6 7.5 7.4 7.4 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5                  | 7.5 7.4 7.4 7.3 7.3 7.3 7.2 7.2 7.3 7.2 7.1 7.0 7.1                                     | 7.3 7.2 7.1 7.1 7.0 7.0 6.9 6.9 6.9 7.0 6.8 6.8 6.6 6.7                                 | 7.3 7.3 7.2 7.2 7.1 7.1 7.1 7.1 7.1 7.0 7.0 6.9 6.8 6.9                                 | 7.6<br>7.6<br>7.6<br>7.7<br>7.6<br>7.6<br>7.5<br>7.4<br>7.5<br>7.6<br>7.6<br>7.7<br>7.7<br>7.7<br>7.7<br>7.8<br>7.8<br>7.8<br>7.8                                    | <br><br>6.9<br>6.8<br>6.8<br>6.7<br>6.7<br>6.6<br>6.6<br>6.7<br>6.7<br>6.8<br>6.9<br>7.0<br>7.0<br>7.1<br>7.2<br>7.3<br>7.3<br>7.4<br>7.4<br>7.5                      | 7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0   |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29<br>30 |                              |                      |              | 7.6<br>7.6<br>7.6<br>7.6<br>7.8<br>7.8<br>7.9<br>7.9<br>7.9<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8 | 7.0<br>6.9<br>6.9<br>6.9<br>7.0<br>7.1<br>7.1<br>7.1<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2                             | 7.1 7.1 7.2 7.2 7.3 7.3 7.4 7.5 7.5 7.6 7.5 7.4 7.4 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5              | 7.5 7.4 7.4 7.3 7.3 7.3 7.2 7.2 7.2 7.2 7.1 7.0 7.1 7.1                                 | 7.3 7.2 7.1 7.1 7.0 7.0 6.9 6.9 6.9 7.0 6.8 6.8 6.6 6.7                                 | 7.3 7.3 7.2 7.2 7.1 7.1 7.1 7.1 7.1 7.0 7.0 6.9 6.8 6.9                                 | 7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.5<br>7.4<br>7.5<br>7.6<br>7.6<br>7.7<br>7.7<br>7.7<br>7.7<br>7.7<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8                      | <br><br>6.9<br>6.8<br>6.7<br>6.7<br>6.7<br>6.6<br>6.6<br>6.7<br>6.7<br>6.8<br>6.9<br>7.0<br>7.0<br>7.1<br>7.2<br>7.3<br>7.3<br>7.4<br>7.4<br>7.4<br>7.5<br>7.3<br>7.5 | 7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0   |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29       |                              |                      |              | 7.6<br>7.6<br>7.6<br>7.6<br>7.8<br>7.8<br>7.9<br>7.9<br>7.9<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8 | 6.9<br>6.9<br>6.9<br>6.9<br>7.0<br>7.1<br>7.1<br>7.1<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2<br>7.2                             | 7.1 7.1 7.2 7.2 7.3 7.3 7.4 7.5 7.5 7.6 7.5 7.4 7.4 7.4 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5              | 7.5 7.4 7.4 7.3 7.3 7.3 7.2 7.2 7.3 7.2 7.1 7.0 7.1 7.1                                 | 7.3 7.2 7.1 7.1 7.0 7.0 6.9 6.9 6.9 7.0 6.8 6.8 6.6 6.7                                 | 7.3 7.3 7.2 7.2 7.1 7.1 7.1 7.1 7.1 7.0 7.0 6.9 6.8 6.9                                 | 7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.5<br>7.4<br>7.5<br>7.6<br>7.6<br>7.7<br>7.7<br>7.7<br>7.7<br>7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.9<br>8.0<br>7.9 | <br><br>6.9<br>6.8<br>6.8<br>6.7<br>6.7<br>6.6<br>6.6<br>6.7<br>6.7<br>6.8<br>6.9<br>7.0<br>7.1<br>7.2<br>7.3<br>7.3<br>7.4<br>7.4<br>7.4<br>7.5<br>7.3               | 7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0   |

### 02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, NC—Continued

### PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM—CONTINUED WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

| DAY                              | MAX                             | MIN                             | MEAN                            | MAX                                    | MIN                                    | MEAN                                   | MAX                                    | MIN                                    | MEAN                                   | MAX                             | MIN                             | MEAN                            |
|----------------------------------|---------------------------------|---------------------------------|---------------------------------|--|--|--|--|--|--|---------------------------------|---------------------------------|---------------------------------|
|                                  |                                 | JUNE                            |                                 |  | JULY                                   |  |  | AUGUST                                 |  | S                               | ЕРТЕМВІ                         | ER                              |
| 1<br>2<br>3<br>4<br>5            | 7.8<br>8.0<br>8.0<br>7.9<br>7.9 | 7.3<br>7.4<br>7.5<br>7.5<br>7.6 | 7.6<br>7.7<br>7.8<br>7.7<br>7.7 | 8.0<br>7.9<br>7.9<br>7.8<br>7.8        | 7.5<br>7.4<br>7.3<br>7.3<br>7.3        | 7.8<br>7.7<br>7.6<br>7.6<br>7.6        | 7.9<br>8.0<br>8.0<br>8.0<br>7.9        | 7.5<br>7.5<br>7.5<br>7.5<br>7.4        | 7.7<br>7.8<br>7.8<br>7.7<br>7.7        | 7.5<br>7.4<br>7.5<br>7.4<br>7.4 | 6.6<br>6.6<br>6.4<br>6.4        | 7.0<br>6.9<br>7.0<br>6.9<br>6.9 |
| 6<br>7<br>8<br>9<br>10           | 8.0<br>8.0<br>7.9<br>7.8<br>7.9 | 7.5<br>7.6<br>7.4<br>7.3<br>7.3 | 7.8<br>7.8<br>7.7<br>7.6<br>7.7 | 7.8<br>8.0<br>8.0<br>8.0<br>8.0        | 7.3<br>7.3<br>7.5<br>7.4<br>7.4        | 7.6<br>7.7<br>7.8<br>7.8<br>7.8        | 7.9<br>7.9<br>7.9<br>7.9<br>8.0        | 7.3<br>7.4<br>7.4<br>7.4<br>7.3        | 7.6<br>7.7<br>7.7<br>7.7<br>7.7        | 7.4<br>7.6<br>7.4<br>7.2<br>7.2 | 6.5<br>6.6<br>6.8<br>6.6<br>6.4 | 6.9<br>7.0<br>7.0<br>7.0<br>6.7 |
| 11<br>12<br>13<br>14<br>15       | 8.0<br>7.9<br>8.0<br>8.0<br>8.0 | 7.3<br>7.3<br>7.5<br>7.5<br>7.6 | 7.7<br>7.7<br>7.8<br>7.8<br>7.8 | 8.0<br>8.0<br>8.0<br>7.9<br>8.0        | 7.4<br>7.4<br>7.5<br>7.4<br>7.5        | 7.7<br>7.7<br>7.7<br>7.7<br>7.7        | 8.0<br>8.0<br>7.9<br>7.8<br>7.6        | 7.4<br>7.5<br>7.4<br>7.4<br>7.1        | 7.8<br>7.8<br>7.7<br>7.6<br>7.4        | 7.3<br>7.3<br>7.6<br>7.5<br>7.3 | 6.4<br>6.5<br>6.5<br>6.6<br>6.6 | 6.7<br>6.8<br>6.9<br>6.9<br>6.8 |
| 16<br>17<br>18<br>19<br>20       | 8.1<br>8.0<br>8.0<br>8.0<br>8.1 | 7.7<br>7.6<br>7.6<br>7.6<br>7.6 | 7.9<br>7.9<br>7.9<br>7.9<br>7.9 | 8.0<br>8.0<br>7.9<br>7.9<br>7.9        | 7.6<br>7.5<br>7.5<br>7.4<br>7.5        | 7.8<br>7.8<br>7.7<br>7.7<br>7.7        | 7.5<br>7.4<br>7.3<br>7.2<br>7.1        | 6.9<br>6.7<br>6.6<br>6.4<br>6.1        | 7.2<br>7.0<br>6.9<br>6.8<br>6.7        | 7.1<br>7.2<br>7.2<br>7.6<br>8.0 | 6.6<br>6.6<br>6.7<br>6.6<br>6.8 | 6.7<br>6.8<br>6.9<br>7.0<br>7.4 |
| 21<br>22<br>23<br>24<br>25       | 8.1<br>8.2<br>8.3<br>8.2<br>8.3 | 7.7<br>7.7<br>7.8<br>7.7<br>7.7 | 7.9<br>8.0<br>8.0<br>8.0<br>8.0 | 7.9<br>7.9<br>7.9<br>7.8<br>7.8        | 7.4<br>7.5<br>7.5<br>7.4<br>7.3        | 7.8<br>7.8<br>7.8<br>7.7<br>7.6        | 7.1<br>7.0<br>7.4<br>7.3<br>7.5        | 6.0<br>5.7<br>6.1<br>6.3<br>6.4        | 6.5<br>6.3<br>6.6<br>6.7<br>6.8        | 7.5<br>7.6                      | 6.6<br>6.7                      | 7.0<br>7.1                      |
| 26<br>27<br>28<br>29<br>30<br>31 | 8.2<br>8.0<br>7.9<br>7.8<br>8.0 | 7.7<br>7.6<br>7.5<br>7.3<br>7.4 | 8.0<br>7.9<br>7.7<br>7.7<br>7.7 | 7.8<br>7.8<br>7.8<br>7.8<br>7.8<br>7.9 | 7.3<br>7.3<br>7.4<br>7.3<br>7.3<br>7.4 | 7.6<br>7.6<br>7.6<br>7.6<br>7.6<br>7.6 | 7.7<br>7.6<br>7.6<br>7.6<br>7.6<br>7.5 | 6.6<br>6.6<br>6.7<br>6.8<br>7.0<br>6.8 | 7.0<br>7.1<br>7.1<br>7.2<br>7.3<br>7.2 | 7.6<br>7.6<br>7.6<br>7.7<br>7.8 | 6.9<br>7.0<br>7.2<br>7.1<br>7.1 | 7.3<br>7.4<br>7.4<br>7.4<br>7.5 |
| MONTH                            | 8.3                             | 7.3                             | 7.8                             | 8.0                                    | 7.3                                    | 7.7                                    | 8.0                                    | 5.7                                    | 7.3                                    |                                 |                                 |                                 |

# PH, WATER, UNFILTERED, FIELD, STANDARD UNITS, BOTTOM WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

| DAY                              | MAX                             | MIN   | MEAN                                   | MAX                             | MIN                             | MEAN                            | MAX             | MIN             | MEAN            | MAX          | MIN          | MEAN         |
|----------------------------------|---------------------------------|---|--|---------------------------------|---------------------------------|---------------------------------|-----------------|-----------------|-----------------|--------------|--------------|--------------|
|                                  |                                 | OCTOBE  | 2                                      | N                               | OVEMBE                          | ER                              | Ε               | ECEMBE          | ER              |              | JANUAR       | Y            |
| 1<br>2<br>3<br>4<br>5            | 7.8<br>7.7<br>7.6<br>7.6<br>7.7 | 7.0<br>6.9<br>6.8<br>6.8<br>6.8               | 7.4<br>7.3<br>7.2<br>7.2<br>7.2        | 8.0<br>7.9<br>7.9<br>7.9<br>7.8 | 7.6<br>7.6<br>7.5<br>7.6<br>7.5 | 7.8<br>7.8<br>7.7<br>7.8<br>7.7 | 7.6<br><br><br> | 7.1<br><br><br> | 7.4<br><br><br> | <br><br>     | <br><br>     | <br><br>     |
| 6<br>7<br>8<br>9<br>10           | 7.8<br>7.8<br>7.8<br>7.8<br>7.8 | 6.9<br>7.2<br>7.5<br>7.6<br>7.4               | 7.5<br>7.6<br>7.7<br>7.7<br>7.7        | 7.8<br>7.8<br>7.8<br>8.1<br>8.1 | 7.5<br>7.5<br>7.5<br>7.5<br>7.8 | 7.7<br>7.7<br>7.7<br>7.9<br>8.0 | <br><br>        | <br><br>        | <br><br>        | <br><br>     |              | <br><br>     |
| 11<br>12<br>13<br>14<br>15       | 7.8<br>7.8<br>7.8<br>7.7<br>7.8 | 7.4<br>7.4<br>7.4<br>7.4<br>7.3               | 7.6<br>7.6<br>7.6<br>7.6<br>7.6        | 8.1<br>8.0<br>8.0<br>8.1<br>8.0 | 7.8<br>7.7<br>7.7<br>7.7<br>7.8 | 8.0<br>7.9<br>7.8<br>7.9<br>7.9 | <br><br>        | <br><br>        | <br><br>        | <br><br>     | <br><br>     | <br><br>     |
| 16<br>17<br>18<br>19<br>20       | 7.8<br>7.8<br>7.8<br>7.7<br>8.0 | 7.4<br>7.3<br>7.2<br>7.3<br>7.2               | 7.6<br>7.5<br>7.5<br>7.5<br>7.7        | 8.0<br>7.9<br>7.9<br>7.8<br>7.8 | 7.6<br>7.6<br>7.5<br>7.4<br>7.4 | 7.9<br>7.7<br>7.7<br>7.7<br>7.7 | <br><br>        | <br><br>        | <br><br>        | <br><br>     | <br><br>     | <br><br>     |
| 21<br>22<br>23<br>24<br>25       | 8.1<br>8.1<br>8.2<br>8.1<br>8.1 | 7.5<br>7.7<br>7.8<br>7.8<br>7.8               | 7.9<br>8.0<br>8.0<br>8.0<br>7.9        | 7.8<br>7.8<br>7.8<br>7.8<br>7.7 | 7.3<br>7.3<br>7.3<br>7.3<br>7.3 | 7.6<br>7.6<br>7.6<br>7.6<br>7.5 | <br><br><br>    | <br><br>        | <br><br>        | <br><br>     | <br><br>     | <br><br>     |
| 26<br>27<br>28<br>29<br>30<br>31 | 8.1<br>8.0<br>8.0<br>8.0<br>8.0 | 7.7<br>7.7<br>7.6<br>7.6<br>7.6<br>7.6<br>7.6 | 7.9<br>7.9<br>7.8<br>7.8<br>7.8<br>7.8 | 7.7<br>7.7<br>7.6<br>7.7<br>7.7 | 7.2<br>7.2<br>7.3<br>7.2<br>7.2 | 7.5<br>7.5<br>7.5<br>7.5<br>7.5 | <br><br><br>    | <br><br><br>    | <br><br><br>    | <br><br><br> | <br><br><br> | <br><br><br> |
| MONTH                            | 8.2                             | 6.8   | 7.6                                    | 8.1                             | 7.2                             | 7.7                             |                 |                 |                 |              |              |              |

850

### 02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, NC—Continued

# TEMPERATURE, WATER, DEGREES CELSIUS, TOP WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

| DAY  | MAX  | MIN   | MEAN   | MAX  | MIN  | MEAN   | MAX  | MIN  | MEAN   | MAX  | MIN  | MEAN   |
|--|--|---|--|--|--|--|--|--|--|--|--|--|
|  |  | OCTOBER   |  | N  | OVEMBE   | R  | D  | ECEMBE   | R  |  | JANUARY  | •  |
| 1<br>2<br>3<br>4<br>5  |  | <br><br>  | <br><br><br>   | <br><br>   | <br><br>   | <br><br>   | 14.4<br>14.0<br>13.4<br>12.6<br>12.3   | 13.0<br>12.7<br>11.6<br>11.3<br>11.7   | 13.8<br>13.2<br>12.5<br>11.9<br>12.0   | 9.2<br>9.3<br>10.2<br>10.8<br>12.8   | 7.8<br>8.1<br>8.4<br>9.5<br>9.8  | 8.5<br>8.7<br>9.3<br>10.1<br>11.2  |
| 6<br>7<br>8<br>9<br>10   | <br><br>   | <br><br>  | <br><br>   | 20.6<br>18.8<br>18.0   | 18.6<br>16.8<br>16.5   | 19.7<br>18.1<br>17.3   | 12.1<br>11.6<br>11.3<br>11.5<br>12.5   | 11.0<br>10.4<br>10.5<br>10.5<br>10.9   | 11.7<br>11.1<br>10.9<br>10.9<br>11.5   | 12.5<br>11.4<br>10.4<br>10.2<br>9.3  | 10.6<br>8.7<br>8.8<br>8.9<br>7.3   | 11.6<br>10.0<br>9.7<br>9.7<br>8.6  |
| 11<br>12<br>13<br>14<br>15   | <br><br>   | <br><br>  | <br><br>   | 18.5<br>18.8<br>18.2<br>17.2<br>16.5   | 17.0<br>17.6<br>17.0<br>15.6<br>14.7   | 17.6<br>18.0<br>17.9<br>16.2<br>15.8   | 12.0<br>11.4<br>11.1<br>11.0<br>10.2   | 11.0<br>10.5<br>10.0<br>9.8<br>8.9   | 11.5<br>10.9<br>10.4<br>10.2<br>9.4  | 7.7<br>8.1<br>8.5<br>8.6<br>8.7  | 6.2<br>6.6<br>7.4<br>7.5<br>7.8  | 7.3<br>7.4<br>7.8<br>7.9<br>8.2  |
| 16<br>17<br>18<br>19<br>20   | <br><br>   | <br><br>  | <br><br><br>   | 17.1<br>17.6<br>17.7<br>18.1<br>17.5   | 15.3<br>16.3<br>16.7<br>17.1<br>16.2   | 16.3<br>16.8<br>17.0<br>17.5<br>16.9   | 10.0<br>10.0<br>9.8<br>9.3<br>8.7  | 8.6<br>8.9<br>8.2<br>7.9<br>7.2  | 9.2<br>9.5<br>8.9<br>8.5<br>7.9  | 8.4<br>8.2<br>10.1<br>9.6<br>8.8   | 7.3<br>7.1<br>7.8<br>8.4<br>7.3  | 7.9<br>7.8<br>8.7<br>9.0<br>8.1  |
| 21<br>22<br>23<br>24<br>25   | <br><br>   | <br><br>  | <br><br><br>   | 17.4<br>17.2<br>17.2<br>17.5<br>17.4   | 16.0<br>16.3<br>16.2<br>16.1<br>16.1   | 16.8<br>16.7<br>16.7<br>16.8<br>16.5   | 8.2<br>7.9<br>8.1<br>8.7<br>8.8  | 6.6<br>6.8<br>6.7<br>7.1<br>7.5  | 7.3<br>7.3<br>7.4<br>8.0<br>8.0  | 8.1<br>8.2<br>8.1<br>8.2<br>8.0  | 7.4<br>7.5<br>7.3<br>7.1<br>6.7  | 7.8<br>7.8<br>7.7<br>7.6<br>7.3  |
| 26<br>27<br>28<br>29<br>30<br>31   | <br><br><br>   | <br><br><br>  | <br><br><br>   | 16.9<br>16.7<br>17.4<br>16.8<br>15.0   | 15.6<br>15.7<br>15.9<br>13.3<br>13.2   | 16.1<br>16.2<br>16.6<br>15.1<br>14.1   | 8.7<br>8.6<br>8.7<br>8.5<br>9.0<br>9.3   | 7.2<br>7.2<br>7.0<br>7.3<br>7.9<br>7.6   | 7.8<br>7.8<br>7.8<br>7.9<br>8.4<br>8.4   | 7.5<br>6.8<br>6.5<br>6.7<br>6.6<br>6.4   | 6.2<br>6.0<br>5.6<br>5.2<br>5.8<br>5.5   | 6.6<br>6.3<br>6.0<br>5.9<br>6.2<br>5.9   |
| MONTH  |  |   |  |  |  |  | 14.4   | 6.6  | 9.7  | 12.8   | 5.2  | 8.1  |
|  |  | FEBRUARY  | V  |  | MADOII   |  |  | 4 DDII   |  |  | 3.6.37   |  |
|  |  | LDKOAK  | L  |  | MARCH  |  |  | APRIL  |  |  | MAY  |  |
| 1<br>2<br>3<br>4<br>5  | 6.3<br>6.3<br>8.0<br>8.0<br>7.9  | 5.0<br>4.9<br>6.2<br>6.8<br>6.7   | 5.5<br>5.7<br>7.0<br>7.2<br>7.3  | 10.3<br>11.4<br>11.4<br>12.7<br>12.7   | 8.4<br>9.0<br>9.9<br>9.8<br>10.6   | 9.1<br>10<br>10.4<br>10.8<br>11.6  | 15.4<br>15.6<br>15.9<br>15.1   | 14.4<br>13.8<br>14.6<br>13.8   | 15.0<br>14.8<br>15.2<br>14.7   | 22.3<br>22.6<br>22.1<br>21.9<br>21.8   | 21.0<br>20.8<br>21.3<br>20.4<br>20.2   | 21.5<br>21.6<br>21.8<br>21.2<br>21.2   |
| 2<br>3<br>4  | 6.3<br>6.3<br>8.0<br>8.0   | 5.0<br>4.9<br>6.2<br>6.8  | 5.5<br>5.7<br>7.0<br>7.2   | 11.4<br>11.4<br>12.7   | 8.4<br>9.0<br>9.9<br>9.8   | 10<br>10.4<br>10.8   | 15.4<br>15.6<br>15.9   | 14.4<br>13.8<br>14.6   | 15.0<br>14.8<br>15.2   | 22.6<br>22.1<br>21.9   | 21.0<br>20.8<br>21.3<br>20.4   | 21.6<br>21.8<br>21.2   |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9   | 6.3<br>6.3<br>8.0<br>8.0<br>7.9<br>9.0<br>9.9<br>9.0<br>8.6  | 5.0<br>4.9<br>6.2<br>6.8<br>6.7<br>7.0<br>8.6<br>7.8<br>7.8   | 5.5<br>5.7<br>7.0<br>7.2<br>7.3<br>7.9<br>9.2<br>8.4<br>8.1  | 11.4<br>11.4<br>12.7<br>12.7<br>14.6<br>14.3<br>13.9<br>13.7   | 8.4<br>9.0<br>9.9<br>9.8<br>10.6<br>11.8<br>13.2<br>12.9<br>12.2   | 10<br>10.4<br>10.8<br>11.6<br>13.0<br>13.7<br>13.6<br>13.2   | 15.4<br>15.6<br>15.9<br>15.1<br>15.2<br>16.4<br>16.8<br>17.9   | 14.4<br>13.8<br>14.6<br>13.8<br>13.9<br>14.2<br>15.3<br>15.9   | 15.0<br>14.8<br>15.2<br>14.7<br>14.6<br>15.1<br>15.9<br>16.6   | 22.6<br>22.1<br>21.9<br>21.8<br>22.4<br>23.6<br>24.0<br>24.1   | 21.0<br>20.8<br>21.3<br>20.4<br>20.2<br>20.9<br>21.6<br>22.0<br>22.0   | 21.6<br>21.8<br>21.2<br>21.2<br>21.6<br>22.2<br>22.6<br>22.8   |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14   | 6.3<br>6.3<br>8.0<br>8.0<br>7.9<br>9.0<br>9.9<br>9.0<br>8.6<br>8.6<br>8.6<br>8.5<br>8.2                                    | 5.0<br>4.9<br>6.2<br>6.8<br>6.7<br>7.0<br>8.6<br>7.8<br>8.0<br>7.7<br>7.4<br>7.8  | 5.5<br>5.7<br>7.0<br>7.2<br>7.3<br>7.9<br>9.2<br>8.4<br>8.1<br>8.2<br>8.3<br>8.1<br>7.9<br>8.0   | 11.4<br>11.4<br>12.7<br>12.7<br>14.6<br>14.3<br>13.9<br>13.7<br>13.4<br>13.2<br>13.7<br>13.6<br>14.0   | 8.4<br>9.0<br>9.9<br>9.8<br>10.6<br>11.8<br>13.2<br>12.9<br>12.2<br>11.9<br>11.1<br>11.7<br>12.2<br>12.1   | 10<br>10.4<br>10.8<br>11.6<br>13.0<br>13.7<br>13.6<br>13.2<br>12.8<br>12.2<br>12.6<br>12.9<br>12.9   | 15.4<br>15.6<br>15.9<br>15.1<br>15.2<br>16.4<br>16.8<br>17.9<br>18.3<br>18.8<br>18.6<br>19.0<br>18.4   | 14.4<br>13.8<br>14.6<br>13.8<br>13.9<br>14.2<br>15.3<br>15.9<br>16.5<br>17.3<br>17.9<br>18.1<br>17.0   | 15.0<br>14.8<br>15.2<br>14.7<br>14.6<br>15.1<br>15.9<br>16.6<br>17.2<br>17.9<br>18.2<br>18.5<br>17.7   | 22.6<br>22.1<br>21.9<br>21.8<br>22.4<br>23.6<br>24.0<br>24.1<br>24.4<br>24.4<br>24.7<br>24.9<br>25.4   | 21.0<br>20.8<br>21.3<br>20.4<br>20.2<br>20.9<br>21.6<br>22.0<br>22.4<br>22.6<br>22.9<br>23.5<br>23.6   | 21.6<br>21.8<br>21.2<br>21.2<br>21.6<br>22.2<br>22.6<br>22.8<br>23.2<br>23.3<br>23.7<br>24.0<br>24.3   |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18                                     | 6.3<br>6.3<br>8.0<br>8.0<br>7.9<br>9.0<br>9.9<br>8.6<br>8.6<br>8.5<br>8.2<br>8.2<br>7.9<br>7.8<br>8.3                      | 5.0<br>4.9<br>6.2<br>6.8<br>6.7<br>7.0<br>8.6<br>7.8<br>7.8<br>8.0<br>8.0<br>7.7<br>7.4<br>7.8<br>7.7<br>7.1<br>6.9<br>6.7<br>6.8                             | 5.5<br>5.7<br>7.0<br>7.2<br>7.3<br>7.9<br>9.2<br>8.4<br>8.1<br>8.2<br>8.3<br>8.1<br>7.9<br>8.0<br>8.0<br>7.7<br>7.3<br>7.2<br>7.5                                    | 11.4<br>11.4<br>12.7<br>12.7<br>14.6<br>14.3<br>13.9<br>13.7<br>13.4<br>13.2<br>13.7<br>13.6<br>14.0<br>14.5<br>14.5<br>14.5<br>14.5                         | 8.4<br>9.0<br>9.9<br>9.8<br>10.6<br>11.8<br>13.2<br>12.9<br>12.2<br>11.9<br>11.1<br>11.7<br>12.2<br>12.1<br>12.7<br>13.5<br>13.4<br>13.3<br>13.9                                 | 10<br>10.4<br>10.8<br>11.6<br>13.0<br>13.7<br>13.6<br>13.2<br>12.8<br>12.2<br>12.6<br>12.9<br>13.5<br>14.0<br>14.0<br>14.0<br>14.5                                 | 15.4<br>15.6<br>15.9<br>15.1<br>15.2<br>16.4<br>16.8<br>17.9<br>18.3<br>18.8<br>18.6<br>19.0<br>18.4<br>17.6   | 14.4<br>13.8<br>14.6<br>13.8<br>13.9<br>14.2<br>15.3<br>15.9<br>16.5<br>17.3<br>17.9<br>18.1<br>17.0<br>15.8   | 15.0<br>14.8<br>15.2<br>14.7<br>14.6<br>15.1<br>15.9<br>16.6<br>17.2<br>17.9<br>18.2<br>18.5<br>17.7<br>17.0<br>17.6<br>18.2<br>18.8<br>19.2   | 22.6<br>22.1<br>21.9<br>21.8<br>22.4<br>23.6<br>24.0<br>24.1<br>24.4<br>24.7<br>24.9<br>25.4<br>25.3<br>25.7<br>26.2<br>25.5<br>25.8   | 21.0<br>20.8<br>21.3<br>20.4<br>20.2<br>20.9<br>21.6<br>22.0<br>22.4<br>22.6<br>22.9<br>23.5<br>23.6<br>24.0<br>24.2<br>24.5<br>24.7<br>24.4                                 | 21.6<br>21.8<br>21.2<br>21.2<br>21.6<br>22.2<br>22.6<br>22.8<br>23.2<br>23.7<br>24.0<br>24.3<br>24.5<br>24.7<br>25.1<br>25.0<br>25.1   |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24 | 6.3<br>6.3<br>8.0<br>7.9<br>9.0<br>9.9<br>9.0<br>8.6<br>8.6<br>8.5<br>8.2<br>8.2<br>7.9<br>7.8<br>7.5<br>8.3<br>9.0<br>9.9 | 5.0<br>4.9<br>6.2<br>6.8<br>6.7<br>7.0<br>8.6<br>7.8<br>7.8<br>8.0<br>8.0<br>7.7<br>7.4<br>7.8<br>7.7<br>6.9<br>6.7<br>6.8<br>7.6<br>8.2<br>8.8<br>8.9<br>9.3 | 5.5<br>5.7<br>7.0<br>7.2<br>7.3<br>7.9<br>9.2<br>8.4<br>8.1<br>8.2<br>8.3<br>8.1<br>7.9<br>8.0<br>8.0<br>7.7<br>7.3<br>7.2<br>7.5<br>8.1<br>8.8<br>9.2<br>9.3<br>9.5 | 11.4<br>11.4<br>12.7<br>12.7<br>14.6<br>14.3<br>13.9<br>13.7<br>13.4<br>13.2<br>13.7<br>13.6<br>14.0<br>14.5<br>14.5<br>14.5<br>14.5<br>14.5<br>14.5<br>14.5 | 8.4<br>9.0<br>9.9<br>9.8<br>10.6<br>11.8<br>13.2<br>12.9<br>12.2<br>11.9<br>11.1<br>11.7<br>12.2<br>12.1<br>12.7<br>13.5<br>13.4<br>13.3<br>13.9<br>13.8<br>14.5<br>12.9<br>13.0 | 10<br>10.4<br>10.8<br>11.6<br>13.0<br>13.7<br>13.6<br>13.2<br>12.8<br>12.2<br>12.6<br>12.9<br>12.9<br>13.5<br>14.0<br>14.0<br>14.5<br>14.4<br>14.9<br>14.0<br>13.6 | 15.4<br>15.6<br>15.9<br>15.1<br>15.2<br>16.4<br>16.8<br>17.9<br>18.3<br>18.8<br>18.6<br>19.0<br>18.4<br>17.6<br>18.6<br>19.4<br>20.0<br>20.2<br>20.9<br>20.8<br>21.5<br>22.2<br>23.4 | 14.4<br>13.8<br>14.6<br>13.8<br>14.2<br>15.3<br>15.9<br>16.5<br>17.3<br>17.9<br>18.1<br>17.0<br>15.8<br>16.6<br>17.4<br>18.1<br>18.6<br>18.9<br>19.5<br>19.8<br>20.3<br>20.9 | 15.0<br>14.8<br>15.2<br>14.7<br>14.6<br>15.1<br>15.9<br>16.6<br>17.2<br>17.9<br>18.2<br>18.5<br>17.7<br>17.0<br>17.6<br>18.2<br>18.8<br>19.2<br>19.6<br>20.0<br>20.5<br>21.1<br>21.8 | 22.6<br>22.1<br>21.9<br>21.8<br>22.4<br>23.6<br>24.0<br>24.1<br>24.4<br>24.7<br>24.9<br>25.4<br>25.3<br>25.7<br>26.2<br>25.5<br>25.8<br>26.3<br>27.0<br>27.5<br>27.3<br>27.4 | 21.0<br>20.8<br>21.3<br>20.4<br>20.2<br>20.9<br>21.6<br>22.0<br>22.4<br>22.6<br>22.9<br>23.5<br>23.6<br>24.0<br>24.2<br>24.5<br>24.7<br>24.8<br>25.1<br>25.5<br>25.8<br>26.0 | 21.6<br>21.8<br>21.2<br>21.2<br>21.6<br>22.2<br>22.6<br>22.8<br>23.2<br>23.3<br>23.7<br>24.0<br>24.3<br>24.5<br>24.7<br>25.1<br>25.0<br>25.1<br>25.4<br>25.9<br>26.2<br>26.4<br>26.5 |

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### 02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, NC—Continued

## TEMPERATURE, WATER, DEGREES CELSIUS, TOP—CONTINUED WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

| DAY                              | MAX                                  | MIN                                  | MEAN                                 | MAX  | MIN  | MEAN   | MAX  | MIN  | MEAN   | MAX                                  | MIN                                  | MEAN                                 |
|----------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--|--|--|--|--|--|--------------------------------------|--------------------------------------|--------------------------------------|
|                                  |                                      | JUNE                                 |                                      |  | JULY   |  |  | AUGUST                                       | ,  | Si                                   | EPTEMBI                              | ER                                   |
| 1<br>2<br>3<br>4<br>5            | 27.8<br>27.9<br>28.2<br>27.6<br>27.8 | 26.3<br>26.6<br>26.6<br>26.5<br>26.4 | 26.9<br>27.2<br>27.4<br>27.2<br>27.1 | 29.0<br>28.6<br>29.0<br>29.4<br>29.8         | 27.8<br>28.0<br>27.8<br>27.8<br>27.9         | 28.4<br>28.4<br>28.3<br>28.3<br>28.8         | 29.8<br>30.2<br>29.5<br>31.2<br>30.6         | 28.8<br>29.0<br>28.5<br>28.8<br>29.0         | 29.3<br>29.4<br>29.1<br>29.4<br>29.7         | 27.5<br>27.1<br>26.8<br>27.1<br>27.0 | 26.8<br>26.4<br>25.8<br>25.8<br>25.4 | 27.1<br>26.7<br>26.3<br>26.3<br>26.0 |
| 6<br>7<br>8<br>9<br>10           | 27.7<br>28.0<br>28.6<br>28.8<br>28.6 | 26.8<br>26.6<br>27.0<br>27.2<br>27.3 | 27.2<br>27.3<br>27.6<br>27.9<br>28.0 | 30.3<br>30.8<br>30.1<br>30.0<br>30.8         | 28.6<br>29.0<br>29.3<br>28.6<br>28.9         | 29.3<br>29.7<br>29.7<br>29.5<br>29.8         | 29.6<br>28.6<br>28.6<br>28.6<br>29.0         | 28.1<br>26.4<br>26.5<br>27.1<br>27.2         | 28.8<br>27.5<br>27.8<br>28.0<br>28.1         | 26.1<br>25.9<br>26.5<br>27.0<br>26.9 | 25.4<br>25.2<br>25.4<br>25.8<br>25.8 | 25.7<br>25.5<br>25.8<br>26.2<br>26.3 |
| 11<br>12<br>13<br>14<br>15       | 28.8<br>28.6<br>27.8<br>27.7<br>28.3 | 27.5<br>27.4<br>26.5<br>26.5<br>26.7 | 28.2<br>28.1<br>27.3<br>27.2<br>27.5 | 30.7<br>29.8<br>30.1<br>30.8<br>30.6         | 29.5<br>29.1<br>28.9<br>29.0<br>29.5         | 30.0<br>29.5<br>29.3<br>29.7<br>30.0         | 29.1<br>28.5<br>27.7<br>27.2<br>26.7         | 27.6<br>27.6<br>26.9<br>26.4<br>26.0         | 28.2<br>28.0<br>27.4<br>26.8<br>26.4         | 26.2<br>26.1<br>25.6<br>25.0<br>25.4 | 25.3<br>25.1<br>24.9<br>24.4<br>24.3 | 25.8<br>25.5<br>25.2<br>24.7<br>24.6 |
| 16<br>17<br>18<br>19<br>20       | 28.4<br>27.8<br>28.7<br>29.6<br>29.0 | 27.1<br>27.0<br>26.8<br>27.7<br>28.0 | 27.7<br>27.5<br>27.7<br>28.5<br>28.5 | 30.6<br>30.2<br>29.2<br>30.1<br>30.6         | 29.1<br>28.7<br>28.2<br>28.1<br>28.6         | 29.9<br>29.4<br>28.8<br>29.0<br>29.4         | 26.9<br>26.7<br>26.9<br>27.0<br>27.2         | 25.8<br>25.4<br>25.1<br>25.1<br>25.1         | 26.2<br>26.0<br>25.8<br>25.9<br>26.0         | 25.3<br>25.8<br>25.4<br>24.4<br>23.6 | 24.2<br>24.4<br>24.2<br>23.1<br>22.2 | 24.7<br>25.1<br>24.6<br>23.8<br>23.0 |
| 21<br>22<br>23<br>24<br>25       | 28.8<br>29.4<br>29.6<br>29.5<br>29.4 | 27.4<br>27.6<br>28.0<br>28.3<br>28.4 | 28.0<br>28.3<br>28.7<br>28.8<br>28.9 | 30.4<br>30.7<br>30.2<br>30.2<br>30.3         | 28.8<br>29.1<br>29.0<br>29.0<br>28.8         | 29.5<br>29.6<br>29.4<br>29.5<br>29.3         | 27.1<br>26.7<br>26.6<br>26.8<br>27.5         | 25.1<br>25.1<br>25.2<br>25.3<br>25.5         | 26.0<br>25.7<br>25.7<br>26.0<br>26.3         | <br><br>24.4<br>                     | <br><br>22.9                         | 23.5                                 |
| 26<br>27<br>28<br>29<br>30<br>31 | 29.0<br>28.6<br>29.0<br>29.9<br>28.8 | 28.2<br>27.8<br>27.6<br>27.6<br>28.1 | 28.6<br>28.2<br>28.3<br>28.4<br>28.5 | 30.0<br>30.0<br>29.7<br>29.2<br>29.8<br>29.8 | 28.7<br>29.0<br>28.7<br>28.1<br>28.4<br>28.7 | 29.4<br>29.5<br>29.2<br>28.8<br>29.0<br>29.2 | 27.2<br>27.4<br>27.8<br>27.5<br>27.7<br>27.9 | 26.0<br>26.4<br>26.6<br>26.9<br>26.5<br>26.9 | 26.6<br>26.8<br>27.1<br>27.2<br>27.0<br>27.3 | 23.8<br>24.6<br>25.2<br>25.3<br>25.4 | 23.3<br>23.3<br>24.2<br>24.1<br>24.4 | 23.6<br>23.9<br>24.6<br>24.7<br>24.9 |
| MONTH                            | 29.9                                 | 26.3                                 | 27.9                                 | 30.8   | 27.8   | 29.3   | 31.2   | 25.1   | 27.3   |                                      |                                      |                                      |

### 02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, NC—Continued

# TEMPERATURE, WATER, DEGREES CELSIUS, TOP WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

| DAY   | MAX  | MIN     | MEAN | MAX  | MIN    | MEAN | MAX  | MIN    | MEAN | MAX | MIN     | MEAN |
|-------|------|---------|------|------|--------|------|------|--------|------|-----|---------|------|
|       |      | ОСТОВЕР | ₹    | N    | OVEMBE | ER   | D    | ECEMBE | ER   |     | JANUAR` | Y    |
| 1     | 25.6 | 24.4    | 24.9 | 22.0 | 20.0   | 20.7 | 15.3 | 14.5   | 14.8 |     |         |      |
| 2     | 25.6 | 24.4    | 24.9 | 22.0 | 20.3   | 21.0 |      |        |      |     |         |      |
| 3     | 26.0 | 24.4    | 25.0 | 22.2 | 20.6   | 21.2 |      |        |      |     |         |      |
| 4     | 25.5 | 24.2    | 24.8 | 21.8 | 20.6   | 21.2 |      |        |      |     |         |      |
| 5     | 25.2 | 23.9    | 24.5 | 21.4 | 19.7   | 20.5 |      |        |      |     |         |      |
| 6     | 24.6 | 23.1    | 23.8 | 20.7 | 18.8   | 19.7 |      |        |      |     |         |      |
| 7     | 24.3 | 22.3    | 23.2 | 20.0 | 18.1   | 19.4 |      |        |      |     |         |      |
| 8     | 23.9 | 22.1    | 23.1 | 19.7 | 18.4   | 19.4 |      |        |      |     |         |      |
| 9     | 24.0 | 22.5    | 23.5 | 19.2 | 17.4   | 18.2 |      |        |      |     |         |      |
| 10    | 24.3 | 23.0    | 23.7 | 17.9 | 16.3   | 17.1 |      |        |      |     |         |      |
| 11    | 24.1 | 23.0    | 23.7 | 17.2 | 16.2   | 16.8 |      |        |      |     |         |      |
| 12    | 23.6 | 22.9    | 23.3 | 17.3 | 16.8   | 17.1 |      |        |      |     |         |      |
| 13    | 24.0 | 23.2    | 23.5 | 17.3 | 15.7   | 16.8 |      |        |      |     |         |      |
| 14    | 23.6 | 22.8    | 23.3 | 15.9 | 14.7   | 15.5 |      |        |      |     |         |      |
| 15    | 23.1 | 21.9    | 22.7 | 14.9 | 14.2   | 14.7 |      |        |      |     |         |      |
| 16    | 22.0 | 20.9    | 21.5 | 14.6 | 13.9   | 14.3 |      |        |      |     |         |      |
| 17    | 21.7 | 20.5    | 21.1 | 14.7 | 13.5   | 14.1 |      |        |      |     |         |      |
| 18    | 22.4 | 20.8    | 21.4 | 15.0 | 13.7   | 14.2 |      |        |      |     |         |      |
| 19    | 22.9 | 21.4    | 21.9 | 15.2 | 14.2   | 14.6 |      |        |      |     |         |      |
| 20    | 22.9 | 21.8    | 22.2 | 15.7 | 14.4   | 14.9 |      |        |      |     |         |      |
| 21    | 22.2 | 21.3    | 21.7 | 16.0 | 14.7   | 15.2 |      |        |      |     |         |      |
| 22    | 21.8 | 20.5    | 21.1 | 16.1 | 15.1   | 15.6 |      |        |      |     |         |      |
| 23    | 20.9 | 19.6    | 20.4 | 16.5 | 15.1   | 15.8 |      |        |      |     |         |      |
| 24    | 20.3 | 19.5    | 20.0 | 16.6 | 15.4   | 16.1 |      |        |      |     |         |      |
| 25    | 19.9 | 19.3    | 19.7 | 17.0 | 15.7   | 16.5 |      |        |      |     |         |      |
| 26    | 19.6 | 19.0    | 19.4 | 16.1 | 14.2   | 15.2 |      |        |      |     |         |      |
| 27    | 19.6 | 19.0    | 19.4 | 15.2 | 14.1   | 14.7 |      |        |      |     |         |      |
| 28    | 19.5 | 19.2    | 19.4 | 15.3 | 14.8   | 15.1 |      |        |      |     |         |      |
| 29    | 19.3 | 19.1    | 19.2 | 14.9 | 14.0   | 14.6 |      |        |      |     |         |      |
| 30    | 20.3 | 19.0    | 19.5 | 14.9 | 13.8   | 14.4 |      |        |      |     |         |      |
| 31    | 21.0 | 19.6    | 20.1 |      |        |      |      |        |      |     |         |      |
| MONTH | 26.0 | 19.0    | 22.1 | 22.2 | 13.5   | 16.8 |      |        |      |     |         |      |

### TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM

|          |            |            |            | TEMPERAT<br>WATER |              | TER, DEGRE<br>OBER 2003 |              |              | Л            |              |              |              |
|----------|------------|------------|------------|-------------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| DAY      | MAX        | MIN        | MEAN       | MAX               | MIN          | MEAN                    | MAX          | MIN          | MEAN         | MAX          | MIN          | MEAN         |
|          |            | OCTOBER    |            |                   | NOVEMBE      | ER                      |              | DECEMBE      | ₹            |              | JANUARY      |              |
| 1        |            |            |            |                   |              |                         | 14.7         | 13.1         | 14.0         | 9.9          | 7.9          | 8.9          |
| 2        |            |            |            |                   |              |                         | 14.0         | 12.8         | 13.4         | 10.0         | 8.3          | 9.2          |
| 3<br>4   |            |            |            |                   |              |                         | 13.5<br>12.8 | 12.0<br>11.3 | 12.8<br>12.2 | 10.2<br>11.1 | 8.6<br>9.6   | 9.5<br>10.4  |
| 5        |            |            |            |                   |              |                         | 12.3         | 11.6         | 12.0         | 13.0         | 10.5         | 11.6         |
| 6        |            |            |            |                   |              |                         | 12.0         | 11.2         | 11.7         | 13.6         | 11.1         | 12.1         |
| 7        |            |            |            |                   |              |                         | 11.6         | 10.6         | 11.7         | 11.9         | 9.9          | 10.8         |
| 8        |            |            |            | 21.0              | 19.0         | 20.0                    | 11.2         | 10.4         | 10.9         | 10.8         | 9.4          | 10.2         |
| 9<br>10  |            |            |            | 19.9<br>18.5      | 17.7<br>16.9 | 18.7<br>17.6            | 11.3<br>12.4 | 10.4<br>10.7 | 10.9<br>11.4 | 10.3<br>9.7  | 9.3<br>8.2   | 9.8<br>8.9   |
|          |            |            |            |                   |              |                         |              |              |              |              |              |              |
| 11<br>12 |            |            |            | 18.1<br>18.6      | 17.1<br>17.7 | 17.6<br>18.0            | 12.0<br>11.5 | 11.2<br>10.4 | 11.5<br>11.0 | 8.6<br>7.8   | 6.7<br>6.6   | 7.6<br>7.5   |
| 13       |            |            |            | 18.1              | 17.5         | 17.9                    | 11.3         | 10.0         | 10.7         | 8.1          | 7.3          | 7.7          |
| 14       |            |            |            | 17.9              | 15.9         | 16.9                    | 11.3         | 9.7          | 10.5         | 8.2          | 7.5          | 7.9          |
| 15       |            |            |            | 17.4              | 15.5         | 16.6                    | 10.7         | 8.9          | 9.7          | 8.5          | 7.8          | 8.1          |
| 16       |            |            |            | 16.8              | 15.9         | 16.5                    | 10.2         | 8.6          | 9.4          | 8.5          | 7.5          | 8.0          |
| 17<br>18 |            |            |            | 17.2<br>17.4      | 16.4<br>16.7 | 16.8<br>17.0            | 10.2<br>10.2 | 8.8<br>8.4   | 9.5<br>9.1   | 8.3<br>10.3  | 7.3<br>7.8   | 7.9<br>8.7   |
| 19       |            |            |            | 18.1              | 17.1         | 17.5                    | 9.7          | 7.8          | 8.6          | 9.5          | 8.5          | 9.1          |
| 20       |            |            |            | 17.6              | 16.5         | 17.1                    | 9.1          | 7.2          | 8.0          | 8.9          | 7.7          | 8.3          |
| 21       |            |            |            | 17.4              | 16.3         | 16.9                    | 8.6          | 6.7          | 7.5          | 8.2          | 7.5          | 7.9          |
| 22       |            |            |            | 17.2              | 16.4         | 16.8                    | 8.2          | 6.8          | 7.4          | 8.2          | 7.5          | 7.9          |
| 23<br>24 |            |            |            | 17.3              | 16.4         | 16.8                    | 8.2          | 6.7          | 7.4          | 8.2          | 7.4          | 7.8          |
| 24<br>25 |            |            |            | 17.4<br>17.3      | 16.2<br>16.0 | 16.8<br>16.5            | 8.8<br>9.0   | 7.0<br>7.4   | 8.0<br>8.1   | 8.2<br>8.2   | 7.1<br>6.8   | 7.7<br>7.4   |
|          |            |            |            |                   |              |                         |              |              |              |              |              |              |
| 26<br>27 |            |            |            | 16.7<br>16.7      | 15.4<br>15.6 | 16.1<br>16.2            | 8.9<br>9.0   | 7.2<br>7.1   | 7.9<br>7.9   | 7.6<br>7.6   | 6.2<br>6.3   | 6.9<br>6.7   |
| 28       |            |            |            | 17.2              | 15.8         | 16.5                    | 8.9          | 7.2          | 8.0          | 7.2          | 6.0          | 6.5          |
| 29       |            |            |            | 16.8              | 13.3         | 15.2                    | 9.0          | 7.5          | 8.2          | 6.7          | 5.6          | 6.4          |
| 30<br>31 |            |            |            | 15.5              | 12.8         | 14.4                    | 9.1<br>9.7   | 8.0<br>7.8   | 8.6<br>8.8   | 7.1          | 6.1          | 6.6          |
| MONTH    |            |            |            |                   |              |                         | 14.7         | 6.7          | 9.9          |              |              |              |
| MONTH    |            | FEBRUARY   |            |                   | MARCH        |                         | 14.7         | APRIL        | 9.9          |              | MAY          |              |
|          |            |            |            | 0.0               |              | 0.7                     | 17.0         |              | 45.0         | 22.2         |              | 24.2         |
| 1 2      |            |            |            | 9.9<br>11.4       | 8.2<br>8.8   | 8.7<br>9.9              | 15.9<br>15.4 | 14.5<br>14.4 | 15.2<br>15.1 | 22.2<br>22.7 | 20.7<br>20.8 | 21.3<br>21.5 |
| 3        |            |            |            | 11.4              | 9.7          | 10.4                    | 15.4         | 14.1         | 14.9         | 22.7         | 21.4         | 21.8         |
| 4        |            |            |            | 12.3              | 9.8          | 10.8                    | 16.0         | 14.7         | 15.3         | 21.8         | 20.4         | 21.1         |
| 5        |            |            |            | 12.7              | 10.7         | 11.6                    | 15.1         | 14.2         | 14.8         | 21.9         | 20.3         | 21.1         |
| 6        |            |            |            | 14.3              | 11.9         | 13.1                    | 15.8         | 14.0         | 14.7         | 22.5         | 20.8         | 21.5         |
| 7<br>8   |            |            |            | 14.5<br>13.9      | 13.2<br>13.0 | 13.8<br>13.6            | 16.4<br>16.9 | 14.3<br>15.3 | 15.2<br>15.9 | 23.0<br>23.2 | 21.4<br>22.0 | 22.1<br>22.5 |
| 9        |            |            |            | 13.9              | 12.0         | 13.0                    | 17.5         | 15.9         | 16.5         | 23.7         | 22.0         | 22.3         |
| 10       |            |            |            | 13.4              | 11.7         | 12.7                    | 18.2         | 16.5         | 17.1         | 23.9         | 22.4         | 23.0         |
| 11       | 8.6        | 7.9        | 8.3        | 12.9              | 11.1         | 12.1                    | 18.6         | 17.3         | 17.8         | 24.1         | 22.7         | 23.2         |
| 12       | 8.7        | 7.8        | 8.2        | 13.4              | 11.5         | 12.3                    | 18.7         | 18.0         | 18.2         | 24.5         | 23.0         | 23.6         |
| 13<br>14 | 8.3<br>8.2 | 7.5<br>7.7 | 8.0<br>8.0 | 13.3<br>13.8      | 11.8<br>11.8 | 12.5<br>12.5            | 19.0<br>18.6 | 18.2<br>17.2 | 18.6<br>17.9 | 24.7<br>24.9 | 23.5<br>23.7 | 23.9<br>24.1 |
| 15       | 8.2        | 7.6        | 8.0        | 14.2              | 12.0         | 13.1                    | 17.8         | 16.4         | 17.9         | 24.9         | 24.1         | 24.1         |
| 16       | 8.0        | 7.3        | 7.7        | 14.3              | 12.7         | 13.6                    | 18.2         | 16.8         | 17.4         | 25.1         | 24.2         | 24.5         |
| 17       | 7.8        | 7.3        | 7.5        | 14.3              | 13.1         | 13.7                    | 19.4         | 17.3         | 18.0         | 25.9         | 24.2         | 24.3         |
| 18       | 7.6        | 6.7        | 7.2        | 14.5              | 13.1         | 13.8                    | 19.7         | 18.0         | 18.6         | 25.5         | 24.6         | 24.9         |
| 19<br>20 | 8.3<br>8.8 | 7.0<br>7.6 | 7.5<br>8.0 | 15.2<br>15.0      | 13.6         | 14.3                    | 20.1<br>20.3 | 18.6<br>19.0 | 19.2         | 25.8<br>26.2 | 24.5         | 24.9<br>25.2 |
|          |            |            |            |                   | 13.5         | 14.3                    |              |              | 19.5         |              | 24.7         |              |
| 21<br>22 | 9.6<br>9.5 | 8.2<br>8.8 | 8.8<br>9.1 | 15.4<br>14.4      | 14.2<br>12.8 | 14.7<br>13.9            | 20.6<br>21.2 | 19.5<br>19.8 | 20.0<br>20.4 | 27.0<br>27.3 | 25.1<br>25.5 | 25.6<br>26.0 |
| 23       | 9.5<br>9.6 | 8.8<br>8.9 | 9.1        | 14.4              | 12.3         | 13.9                    | 22.1         | 20.3         | 20.4         | 27.3<br>27.2 | 25.8<br>25.8 | 26.0         |
| 24<br>25 | 9.6        | 9.2        | 9.4        | 14.7              | 12.9<br>13.3 | 13.6                    | 23.1         | 20.9         | 21.4         | 27.3         | 26.0         | 26.4         |
| 25       | 9.6        | 9.1        | 9.4        | 15.2              | 13.3         | 14.0                    | 23.1         | 20.8         | 21.6         | 27.4         | 26.0         | 26.5         |
| 26<br>27 | 9.3        | 8.4        | 8.8        | 16.3              | 13.7         | 14.6                    | 23.0         | 21.1         | 22.0         | 27.5         | 26.4         | 26.7         |
| 27<br>28 | 8.4        | 7.8        | 8.1<br>7.8 | 16.6              | 14.3<br>14.8 | 15.1                    | 22.2<br>21.6 | 21.3         | 21.7         | 27.7         | 26.6         | 26.9<br>27.0 |
| 28<br>29 | 8.6<br>9.1 | 7.3<br>7.8 | 7.8<br>8.2 | 16.2<br>15.6      | 14.8<br>14.1 | 15.3<br>14.7            | 21.6         | 20.4<br>20.2 | 21.1<br>20.9 | 27.6<br>27.6 | 26.7<br>26.8 | 27.0         |
| 30       |            |            |            | 15.3              | 14.1         | 14.5                    | 22.3         | 20.1         | 21.1         | 27.5         | 26.4         | 26.8         |
| 31       |            |            |            | 15.8              | 14.2         | 14.8                    |              |              |              | 27.3         | 26.3         | 26.8         |

16.6

8.2

13.2

23.1

14.0

18.3

27.7

20.3

24.3

MONTH

### 02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, NC—Continued

### TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM—CONTINUED WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

| DAY                              | MAX                                  | MIN                                  | MEAN                                 | MAX  | MIN  | MEAN   | MAX  | MIN  | MEAN   | MAX                                  | MIN                                  | MEAN                                 |
|----------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--|--|--|--|--|--|--------------------------------------|--------------------------------------|--------------------------------------|
|                                  |                                      | JUNE                                 |                                      |  | JULY   |  |  | AUGUST                                       |  | SI                                   | EPTEMBE                              | ER                                   |
| 1<br>2<br>3<br>4<br>5            | 27.9<br>27.9<br>27.9<br>27.6<br>27.8 | 26.3<br>26.5<br>26.6<br>26.5<br>26.4 | 26.9<br>27.1<br>27.2<br>27.1<br>27.0 | 29.0<br>28.6<br>28.5<br>28.8<br>29.6         | 27.8<br>28.0<br>27.8<br>27.7<br>28.1         | 28.3<br>28.3<br>28.2<br>28.2<br>28.6         | 29.7<br>29.8<br>29.4<br>30.0<br>30.4         | 28.5<br>28.8<br>28.3<br>28.6<br>28.8         | 29.1<br>29.2<br>29.0<br>29.1<br>29.5         | 27.5<br>27.1<br>27.0<br>26.6<br>26.7 | 26.7<br>26.2<br>25.9<br>25.8<br>25.4 | 27.1<br>26.7<br>26.4<br>26.2<br>26.1 |
| 6<br>7<br>8<br>9<br>10           | 27.7<br>27.8<br>28.1<br>28.4<br>28.6 | 26.6<br>26.7<br>26.9<br>27.4<br>27.6 | 27.1<br>27.2<br>27.4<br>27.8<br>28.0 | 30.0<br>30.4<br>30.2<br>29.9<br>30.5         | 28.6<br>29.1<br>29.5<br>29.1<br>29.4         | 29.1<br>29.5<br>29.7<br>29.6<br>29.8         | 29.6<br>28.4<br>28.3<br>28.2<br>28.4         | 28.1<br>26.7<br>27.1<br>27.4<br>27.4         | 28.9<br>27.6<br>27.6<br>27.7<br>27.7         | 26.6<br>26.4<br>26.4<br>26.6<br>26.6 | 25.5<br>25.3<br>25.4<br>25.8<br>25.8 | 26.0<br>25.9<br>25.8<br>26.1<br>26.2 |
| 11<br>12<br>13<br>14<br>15       | 28.7<br>28.6<br>27.9<br>27.6<br>28.1 | 27.7<br>27.7<br>26.5<br>26.6<br>26.8 | 28.1<br>28.2<br>27.3<br>27.2<br>27.4 | 30.3<br>30.0<br>29.9<br>30.1<br>30.4         | 29.6<br>29.3<br>29.2<br>29.2<br>29.5         | 30.0<br>29.7<br>29.5<br>29.6<br>29.8         | 28.3<br>28.4<br>27.8<br>27.2<br>26.7         | 27.6<br>27.6<br>27.1<br>26.2<br>26.0         | 27.9<br>27.9<br>27.4<br>26.9<br>26.3         | 26.4<br>26.2<br>25.9<br>25.3<br>25.6 | 25.3<br>25.1<br>25.0<br>24.6<br>24.4 | 25.9<br>25.7<br>25.5<br>24.9<br>24.8 |
| 16<br>17<br>18<br>19<br>20       | 28.4<br>27.8<br>28.7<br>29.1<br>28.7 | 27.2<br>27.2<br>27.0<br>27.7<br>27.8 | 27.7<br>27.5<br>27.6<br>28.1<br>28.3 | 30.3<br>29.9<br>29.2<br>30.0<br>30.2         | 29.1<br>29.0<br>28.2<br>28.1<br>28.5         | 29.8<br>29.4<br>28.8<br>28.9<br>29.1         | 26.6<br>26.7<br>26.6<br>26.6<br>26.7         | 25.8<br>25.4<br>25.0<br>25.0<br>25.1         | 26.1<br>26.0<br>25.8<br>25.8<br>26.0         | 25.6<br>25.9<br>25.8<br>25.0<br>24.6 | 24.3<br>24.5<br>24.3<br>23.4<br>22.5 | 24.9<br>25.2<br>24.9<br>24.1<br>23.5 |
| 21<br>22<br>23<br>24<br>25       | 28.5<br>29.2<br>29.4<br>29.1<br>29.2 | 27.4<br>27.8<br>28.1<br>28.2<br>28.3 | 28.0<br>28.2<br>28.5<br>28.6<br>28.7 | 30.0<br>30.2<br>29.8<br>29.9<br>29.7         | 28.8<br>29.0<br>29.1<br>29.1<br>28.6         | 29.2<br>29.5<br>29.4<br>29.4<br>29.2         | 26.8<br>26.5<br>26.7<br>26.6<br>26.9         | 25.1<br>25.1<br>25.1<br>25.3<br>25.5         | 26.0<br>25.7<br>25.8<br>26.0<br>26.2         | 24.0<br>24.4                         | 23.0<br>23.1                         | 23.5<br>23.7                         |
| 26<br>27<br>28<br>29<br>30<br>31 | 29.0<br>28.6<br>28.6<br>28.7<br>28.9 | 28.3<br>28.0<br>27.7<br>27.8<br>28.1 | 28.5<br>28.2<br>28.2<br>28.3<br>28.4 | 29.8<br>29.7<br>29.7<br>29.1<br>29.7<br>29.8 | 28.9<br>29.1<br>28.7<br>28.1<br>28.2<br>28.4 | 29.3<br>29.4<br>29.2<br>28.6<br>28.8<br>29.1 | 27.0<br>27.5<br>27.9<br>27.5<br>27.7<br>27.8 | 26.0<br>26.5<br>26.7<br>26.9<br>26.3<br>26.9 | 26.6<br>26.8<br>27.0<br>27.2<br>26.9<br>27.2 | 24.1<br>24.9<br>25.3<br>25.4<br>25.3 | 23.5<br>23.5<br>24.4<br>24.3<br>24.5 | 23.8<br>24.0<br>24.7<br>24.8<br>25.0 |
| MONTH                            | 29.4                                 | 26.3                                 | 27.8                                 | 30.5   | 27.7   | 29.2   | 30.4   | 25.0   | 27.2   |                                      |                                      |                                      |

# TEMPERATURE, WATER, DEGREES CELSIUS, BOTTOM WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

| DAY   | MAX          | MIN          | MEAN         | MAX          | MIN          | MEAN         | MAX  | MIN    | MEAN | MAX | MIN    | MEAN |
|-------|--------------|--------------|--------------|--------------|--------------|--------------|------|--------|------|-----|--------|------|
|       |              | ОСТОВЕН      | ₹            | N            | OVEMBE       | ER           | D    | ECEMBE | ER   | ]   | JANUAR | Y    |
| 1 2   | 25.4<br>25.4 | 24.6<br>24.5 | 25.0<br>25.0 | 21.2<br>21.4 | 20.2<br>20.6 | 20.5<br>20.9 | 15.1 | 14.5   | 14.8 |     |        |      |
| 3     | 25.5         | 24.5         | 25.1         | 21.5         | 20.9         | 21.2         |      |        |      |     |        |      |
| 4     | 25.6         | 24.4         | 25.0         | 21.8         | 21.1         | 21.5         |      |        |      |     |        |      |
| 5     | 25.5         | 24.0         | 24.9         | 21.7         | 20.7         | 21.3         |      |        |      |     |        |      |
| 6     | 25.5         | 23.4         | 24.8         | 21.4         | 19.4         | 20.8         |      |        |      |     |        |      |
| 7     | 25.2         | 23.4         | 24.8         | 20.8         | 19.0         | 20.2         |      |        |      |     |        |      |
| 8     | 25.0         | 23.4         | 24.6         | 20.1         | 19.3         | 19.7         |      |        |      |     |        |      |
| 9     | 24.6         | 23.5         | 24.2         | 19.5         | 17.7         | 18.4         |      |        |      |     |        |      |
| 10    | 24.2         | 23.6         | 23.9         | 18.0         | 16.7         | 17.2         |      |        |      |     |        |      |
| 11    | 24.0         | 23.4         | 23.8         | 17.1         | 16.4         | 16.7         |      |        |      |     |        |      |
| 12    | 23.7         | 23.0         | 23.4         | 17.3         | 16.8         | 17.0         |      |        |      |     |        |      |
| 13    | 24.1         | 23.2         | 23.5         | 17.3         | 16.1         | 16.8         |      |        |      |     |        |      |
| 14    | 23.8         | 22.9         | 23.4         | 16.3         | 14.9         | 15.5         |      |        |      |     |        |      |
| 15    | 23.4         | 22.3         | 22.9         | 15.3         | 13.9         | 14.6         |      |        |      |     |        |      |
| 16    | 22.9         | 20.8         | 21.6         | 14.6         | 13.8         | 14.3         |      |        |      |     |        |      |
| 17    | 21.8         | 20.2         | 21.1         | 14.4         | 13.4         | 14.1         |      |        |      |     |        |      |
| 18    | 21.8         | 20.8         | 21.3         | 14.4         | 13.7         | 14.2         |      |        |      |     |        |      |
| 19    | 22.6         | 21.4         | 21.7         | 14.9         | 14.2         | 14.4         |      |        |      |     |        |      |
| 20    | 22.5         | 21.9         | 22.1         | 15.4         | 14.4         | 14.7         |      |        |      |     |        |      |
| 21    | 22.4         | 21.6         | 22.1         | 15.8         | 14.7         | 15.2         |      |        |      |     |        |      |
| 22    | 22.0         | 20.9         | 21.5         | 16.3         | 15.1         | 15.7         |      |        |      |     |        |      |
| 23    | 21.1         | 20.0         | 20.6         | 16.5         | 15.3         | 16.0         |      |        |      |     |        |      |
| 24    | 20.5         | 19.8         | 20.1         | 16.8         | 15.6         | 16.2         |      |        |      |     |        |      |
| 25    | 20.0         | 19.6         | 19.8         | 16.9         | 15.8         | 16.6         |      |        |      |     |        |      |
| 26    | 19.8         | 19.2         | 19.5         | 16.5         | 15.0         | 15.6         |      |        |      |     |        |      |
| 27    | 19.7         | 19.1         | 19.4         | 15.5         | 14.0         | 15.0         |      |        |      |     |        |      |
| 28    | 19.7         | 19.4         | 19.6         | 15.3         | 15.0         | 15.2         |      |        |      |     |        |      |
| 29    | 19.6         | 19.2         | 19.3         | 15.2         | 14.2         | 14.7         |      |        |      |     |        |      |
| 30    | 20.1         | 19.1         | 19.5         | 14.9         | 14.2         | 14.6         |      |        |      |     |        |      |
| 31    | 21.2         | 19.7         | 20.0         |              |              |              |      |        |      |     |        |      |
| MONTH | 25.6         | 19.1         | 22.4         | 21.8         | 13.4         | 17.0         |      |        |      |     |        |      |

# DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

| DAY      | MAX          | MIN          | MEAN         | MAX        | MIN        | MEAN       | MAX        | MIN          | MEAN       | MAX          | MIN         | MEAN         |
|----------|--------------|--------------|--------------|------------|------------|------------|------------|--------------|------------|--------------|-------------|--------------|
|          |              | OCTOBER      |              | N          | OVEMBE     | R          | D          | ECEMBE       | ER         |              | JANUARY     |              |
| 1 2      |              |              |              |            |            |            | 7.5<br>7.8 | 6.8<br>6.9   | 7.2<br>7.4 | 9.7<br>9.7   | 8.8<br>8.7  | 9.4<br>9.3   |
| 3        |              |              |              |            |            |            | 7.9        | 6.9          | 7.5        | 9.7          | 8.7         | 9.3          |
| 4<br>5   |              |              |              |            |            |            | 8.1<br>8.0 | 7.4<br>7.5   | 7.7<br>7.7 | 9.9<br>9.9   | 8.8<br>8.9  | 9.4<br>9.5   |
| 6        |              |              |              |            |            |            | 8.2        | 7.3          | 7.7        | 9.8          | 8.7         | 9.4          |
| 7        |              |              |              |            |            |            | 8.3        | 7.5          | 8.0        | 10.1         | 8.7         | 9.4          |
| 8        |              |              |              | 6.7<br>7.6 | 5.1<br>5.8 | 5.8<br>6.7 | 8.2<br>8.0 | 7.5<br>7.5   | 7.9<br>7.7 | 9.9<br>8.9   | 8.3<br>8.2  | 9.1<br>8.6   |
| 10       |              |              |              | 7.6        | 6.3        | 7.1        | 8.2        | 7.5          | 7.9        | 9.6          | 8.6         | 9.1          |
| 11       |              |              |              | 7.3        | 6.3        | 6.8        | 8.5        | 7.8          | 8.2        | 10.0         | 9.2         | 9.5          |
| 12<br>13 |              |              |              | 7.0<br>7.6 | 6.0<br>6.7 | 6.6<br>7.1 | 8.4<br>8.8 | 7.8<br>7.9   | 8.2<br>8.4 | 9.8<br>9.6   | 9.3<br>9.3  | 9.6<br>9.5   |
| 14       |              |              |              | 7.8        | 6.8        | 7.3        | 9.2        | 8.3          | 8.7        | 9.7          | 9.3         | 9.5          |
| 15       |              |              |              | 7.7        | 6.6        | 7.1        | 9.2        | 8.3          | 8.9        | 9.9          | 9.2         | 9.6          |
| 16       |              |              |              | 7.2        | 6.3        | 6.8        | 9.1        | 8.4          | 8.8        | 9.9          | 9.3         | 9.6          |
| 17<br>18 |              |              |              | 6.9<br>6.9 | 6.3<br>6.3 | 6.7<br>6.6 | 9.2<br>9.2 | 8.4<br>8.5   | 8.8<br>8.8 | 9.9<br>9.8   | 9.3<br>9.2  | 9.6<br>9.5   |
| 19<br>20 |              |              |              | 7.7        | 6.5<br>7.0 | 7.3<br>7.4 | 9.2        | 8.5          | 8.9        | 9.8          | 9.1<br>9.2  | 9.5          |
|          |              |              |              | 7.9        |            |            | 9.4        | 8.6          | 9.0        | 9.9          |             | 9.6          |
| 21<br>22 |              |              |              | 7.5<br>7.3 | 6.6<br>6.5 | 7.1<br>6.8 | 9.6<br>9.5 | 8.8<br>8.7   | 9.2<br>9.2 | 9.9<br>9.7   | 9.2<br>9.2  | 9.5<br>9.5   |
| 23       |              |              |              | 7.0        | 6.3        | 6.6        | 9.6        | 8.7          | 9.2        | 9.9          | 9.2         | 9.6          |
| 24<br>25 |              |              |              | 6.8<br>7.0 | 5.9<br>5.9 | 6.3<br>6.4 | 9.6<br>9.9 | 8.6<br>8.9   | 9.2<br>9.4 | 10.1<br>10.3 | 9.4<br>9.5  | 9.8<br>9.9   |
| 26       |              |              |              | 6.9        | 6.2        | 6.5        | 9.8        | 8.8          | 9.4        | 10.4         | 9.5         | 10.0         |
| 27       |              |              |              | 6.6        | 6.1        | 6.3        | 9.7        | 8.7          | 9.3        | 10.5         | 9.7         | 10.2         |
| 28<br>29 |              |              |              | 6.8<br>7.7 | 6.0<br>6.5 | 6.4<br>7.1 | 9.7<br>9.7 | 8.8<br>8.8   | 9.3<br>9.4 | 11.0<br>10.9 | 9.9<br>10.3 | 10.5<br>10.6 |
| 30       |              |              |              | 7.7        | 6.8        | 7.2        | 10.0       | 8.8          | 9.5        | 10.8         | 10.2        | 10.6         |
| 31       |              |              |              |            |            |            | 9.8        | 8.8          | 9.4        | 10.9         | 10.2        | 10.6         |
| MONTH    |              | FEBRUARY     | <br>7        |            | MARCH      |            | 10.0       | 6.8<br>APRIL | 8.6        | 11.0         | 8.2<br>MAY  | 9.6          |
| 1        |              | 10.2         | 10.7         |            | WARCII     |            |            |              |            |              |             |              |
| 1<br>2   | 11.0<br>11.1 | 10.2         | 10.7         |            |            |            | 8.1        | 7.4          | 7.6        |              |             |              |
| 3<br>4   | 11.0<br>10.9 | 10.2<br>10.2 | 10.6<br>10.5 |            |            |            | 8.2<br>8.1 | 7.2<br>7.3   | 7.6<br>7.7 |              |             |              |
| 5        | 10.9         | 10.2         | 10.5         |            |            |            | 8.3        | 7.5          | 7.8        |              |             |              |
| 6        | 10.9         | 10.1         | 10.6         |            |            |            | 8.4        | 7.5          | 7.9        |              |             |              |
| 7        | 11.0         | 10.0         | 10.6         |            |            |            | 8.5        | 7.5          | 8.0        | 6.2          | 5.4         | 5.8          |
| 8<br>9   | 11.3<br>11.2 | 10.3<br>10.2 | 10.8<br>10.9 |            |            |            | 8.5<br>9.0 | 7.6<br>7.4   | 8.0<br>8.0 | 6.3<br>6.1   | 5.3<br>5.3  | 5.7<br>5.7   |
| 10       | 11.3         | 10.3         | 10.9         |            |            |            | 8.8        | 7.3          | 7.9        | 6.3          | 5.3         | 5.8          |
| 11       | 11.3         | 10.3         | 10.8         |            |            |            | 8.7        | 7.0          | 7.8        | 6.4          | 5.4         | 5.8          |
| 12<br>13 |              |              |              | 9.3<br>8.9 | 8.4<br>8.4 | 8.8<br>8.7 | 8.1<br>7.8 | 6.9<br>6.8   | 7.5<br>7.4 | 6.3<br>7.1   | 5.3<br>5.4  | 5.8<br>6.1   |
| 14       |              |              |              | 8.8        | 8.3        | 8.6        | 8.1        | 6.3          | 7.5        | 6.9          | 5.7         | 6.3          |
| 15       |              |              |              | 8.7        | 8.2        | 8.5        | 8.1        | 7.1          | 7.6        | 6.9          | 5.7         | 6.3          |
| 16<br>17 |              |              |              | 8.7<br>8.4 | 8.3<br>8.1 | 8.4<br>8.3 | 8.0<br>7.8 | 7.0<br>6.8   | 7.4<br>7.2 | 6.7<br>6.7   | 5.7<br>5.5  | 6.2<br>6.2   |
| 18       |              |              |              | 8.6        | 8.0        | 8.2        |            |              |            | 6.6          | 5.7         | 6.1          |
| 19<br>20 |              |              |              | 8.7<br>8.7 | 8.1<br>8.2 | 8.3<br>8.4 |            |              |            | 6.6<br>6.3   | 5.3<br>5.2  | 5.9<br>5.7   |
| 21       |              |              |              | 8.7        | 8.2        | 8.4        |            |              |            | 6.7          | 5.3         | 6.0          |
| 22       |              |              |              | 9.2        | 8.5        | 8.7        |            |              |            | 6.9          | 6.0         | 6.4          |
| 23<br>24 |              |              |              | 9.2        | 8.5        | 8.8        |            |              |            | 7.2<br>7.6   | 6.2<br>6.4  | 6.7<br>6.9   |
| 25       |              |              |              |            |            |            |            |              |            | 7.7          | 6.5         | 7.0          |
| 26       |              |              |              |            |            |            |            |              |            | 8.0          | 6.0         | 6.8          |
| 27<br>28 |              |              |              |            |            |            |            |              |            | 7.7<br>7.9   | 5.8<br>6.0  | 6.6<br>6.7   |
| 29       |              |              |              |            |            |            |            |              |            | 7.4          | 5.3         | 6.2          |
| 30<br>31 |              |              |              |            |            |            |            |              |            | 6.8<br>7.1   | 5.6<br>5.0  | 6.1<br>6.2   |
| MONTH    |              |              |              |            |            |            |            |              |            |              |             |              |
| MIONIN   |              |              |              |            |            |            |            |              |            |              |             |              |

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### 02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, NC—Continued

### DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP—CONTINUED WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

| DAY                              | MAX                              | MIN                             | MEAN                            | MAX                                    | MIN                                    | MEAN                                   | MAX                                    | MIN                                    | MEAN                                   | MAX                             | MIN                             | MEAN                            |
|----------------------------------|----------------------------------|---------------------------------|---------------------------------|--|--|--|--|--|--|---------------------------------|---------------------------------|---------------------------------|
|                                  |                                  | JUNE                            |                                 |  | JULY                                   |  |  | AUGUST                                 |  | S                               | ЕРТЕМВІ                         | ER                              |
| 1<br>2<br>3<br>4<br>5            | 7.5<br>7.1<br>7.0<br>6.4         | 5.7<br>5.5<br>5.3<br>5.1        | 6.4<br>6.3<br>6.0<br>5.8        | 6.2<br>6.0<br>6.5<br>6.7<br>7.5        | 4.6<br>4.7<br>4.3<br>4.5<br>5.2        | 5.1<br>5.2<br>5.2<br>5.4<br>6.1        | 6.2<br>6.5<br>6.5<br>7.0<br>6.9        | 4.8<br>4.7<br>4.8<br>4.6<br>4.4        | 5.4<br>5.4<br>5.5<br>5.3<br>5.4        | 5.2<br>5.2<br>5.4<br>5.3<br>5.4 | 4.1<br>3.9<br>4.4<br>4.2<br>4.2 | 4.6<br>4.6<br>4.9<br>4.7<br>4.7 |
| 6<br>7<br>8<br>9<br>10           | 8.4<br>8.3                       | 5.3<br>5.5                      | 6.4<br>6.7                      | 8.5<br>8.8<br>7.2<br>6.7               | 5.3<br>5.5<br>5.1<br>4.7<br>4.4        | 6.4<br>6.6<br>6.0<br>5.5<br>5.3        | 6.7<br>7.6<br>7.8<br>8.4<br>8.4        | 4.7<br>4.7<br>4.4<br>4.6<br>4.6        | 5.5<br>5.7<br>5.7<br>5.8<br>5.9        | 5.6<br>6.1<br>6.6<br>6.8<br>5.6 | 4.4<br>4.6<br>5.5<br>5.4<br>4.1 | 5.0<br>5.2<br>6.1<br>6.1<br>4.9 |
| 11<br>12<br>13<br>14<br>15       | 8.2<br>8.1<br>8.0<br>8.6<br>8.1  | 5.4<br>5.4<br>5.2<br>5.8<br>6.2 | 6.7<br>6.4<br>6.5<br>7.0<br>7.0 | 6.6<br>5.8<br>6.3<br>7.4<br>8.3        | 4.5<br>4.6<br>4.9<br>5.1<br>5.3        | 5.4<br>5.2<br>5.4<br>6.0<br>6.6        | 8.5<br>6.4<br>6.0<br>6.2<br>5.7        | 4.9<br>4.7<br>4.5<br>4.5<br>4.5        | 5.8<br>5.5<br>5.1<br>5.2<br>5.0        | 5.5<br>5.8<br>5.8<br>5.3<br>5.0 | 4.4<br>4.6<br>4.4<br>4.1<br>3.9 | 4.8<br>5.1<br>5.0<br>4.7<br>4.4 |
| 16<br>17<br>18<br>19<br>20       | 7.5<br>7.2<br>7.8<br>8.6<br>8.5  | 5.7<br>5.7<br>5.7<br>6.2<br>6.2 | 6.5<br>6.3<br>6.6<br>7.1<br>7.0 | 9.0<br>8.0<br>7.1<br>8.0<br>9.3        | 5.5<br>5.0<br>5.0<br>4.8<br>5.0        | 6.8<br>6.1<br>5.9<br>6.0<br>6.4        | 5.3<br>5.2<br>5.3<br>5.5<br>5.5        | 4.4<br>4.4<br>4.5<br>4.5<br>4.4        | 4.8<br>4.7<br>4.8<br>4.9<br>4.9        | 4.4<br>5.5<br>6.0<br>6.4<br>6.8 | 3.4<br>3.5<br>4.7<br>4.7<br>5.1 | 3.8<br>4.6<br>5.4<br>5.6<br>6.1 |
| 21<br>22<br>23<br>24<br>25       | 8.9<br>9.3<br>10.1<br>9.8<br>8.4 | 5.7<br>6.0<br>5.7<br>5.6<br>5.7 | 7.1<br>7.3<br>7.3<br>7.2<br>7.2 | 8.1<br>8.2<br>8.3<br>6.7<br>6.9        | 5.0<br>4.4<br>4.5<br>4.4<br>3.9        | 6.2<br>5.9<br>5.8<br>5.4<br>5.1        | 5.7<br>5.9<br>5.4<br>5.6<br>5.5        | 4.3<br>4.2<br>4.2<br>4.2<br>3.7        | 4.9<br>4.7<br>4.7<br>4.8<br>4.7        | 6.4                             | 5.1                             | 5.7                             |
| 26<br>27<br>28<br>29<br>30<br>31 | 8.4<br>7.7<br>7.3<br>6.8<br>6.4  | 5.3<br>5.6<br>5.6<br>5.3<br>4.8 | 6.4<br>6.3<br>6.3<br>6.0<br>5.4 | 6.6<br>6.4<br>5.9<br>5.6<br>5.6<br>5.7 | 4.0<br>4.3<br>4.5<br>4.7<br>4.5<br>4.6 | 5.1<br>5.2<br>5.1<br>5.1<br>5.0<br>5.2 | 5.2<br>5.1<br>4.9<br>5.7<br>6.2<br>6.2 | 4.0<br>4.0<br>3.8<br>3.9<br>5.2<br>4.4 | 4.6<br>4.6<br>4.5<br>4.9<br>5.8<br>5.1 | 6.6<br>6.5<br>6.8<br>           | 5.5<br>5.7<br>6.1<br>           | 6.0<br>6.1<br>6.4<br>           |
| MONTH                            |                                  |                                 |                                 | 9.3                                    | 3.9                                    | 5.7                                    | 8.5                                    | 3.7                                    | 5.1                                    |                                 |                                 |                                 |

### 02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, NC—Continued

# DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, TOP WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

| DAY   | MAX | MIN     | MEAN | MAX | MIN    | MEAN | MAX | MIN    | MEAN | MAX | MIN    | MEAN |
|-------|-----|---------|------|-----|--------|------|-----|--------|------|-----|--------|------|
|       |     | ОСТОВЕН | ₹    | N   | OVEMBE | ER   | D   | ECEMBE | ER   | ]   | JANUAR | Y    |
| 1     |     |         |      | 7.0 | 5.9    | 6.3  |     |        |      |     |        |      |
| 2     |     |         |      | 6.9 | 5.7    | 6.3  |     |        |      |     |        |      |
| 3     |     |         |      | 6.7 | 5.8    | 6.3  |     |        |      |     |        |      |
| 4     |     |         |      | 6.8 | 6.1    | 6.5  |     |        |      |     |        |      |
| 5     |     |         |      | 7.2 | 6.2    | 6.7  |     |        |      |     |        |      |
| 6     |     |         |      | 7.0 | 6.1    | 6.6  |     |        |      |     |        |      |
| 7     | 6.4 | 5.3     | 5.8  | 7.0 | 6.2    | 6.5  |     |        |      |     |        |      |
| 8     | 6.6 | 5.5     | 6.0  | 7.1 | 6.0    | 6.5  |     |        |      |     |        |      |
| 9     | 6.4 | 5.6     | 6.0  | 7.9 | 6.3    | 7.1  |     |        |      |     |        |      |
| 10    | 6.1 | 5.3     | 5.8  | 8.1 | 7.0    | 7.6  |     |        |      |     |        |      |
| 11    | 6.1 | 5.2     | 5.7  | 8.0 | 7.2    | 7.6  |     |        |      |     |        |      |
| 12    | 6.1 | 5.2     | 5.7  | 8.0 | 7.2    | 7.6  |     |        |      |     |        |      |
| 13    | 6.2 | 5.2     | 5.7  | 8.2 | 7.2    | 7.7  |     |        |      |     |        |      |
| 14    | 6.2 | 5.3     | 5.8  | 8.8 | 7.8    | 8.2  |     |        |      |     |        |      |
| 15    | 6.4 | 5.4     | 5.9  | 8.7 | 7.8    | 8.2  |     |        |      |     |        |      |
| 16    | 6.7 | 5.5     | 6.1  | 8.4 | 7.6    | 8.0  |     |        |      |     |        |      |
| 17    | 6.7 | 5.5     | 6.1  | 8.0 | 7.4    | 7.7  |     |        |      |     |        |      |
| 18    | 6.6 | 5.4     | 6.0  | 7.8 | 7.2    | 7.5  |     |        |      |     |        |      |
| 19    | 6.9 | 5.6     | 6.2  | 7.6 | 7.1    | 7.4  |     |        |      |     |        |      |
| 20    | 6.6 | 5.5     | 6.1  |     |        |      |     |        |      |     |        |      |
| 21    | 6.6 | 5.8     | 6.2  |     |        |      |     |        |      |     |        |      |
| 22    | 6.9 | 6.0     | 6.4  |     |        |      |     |        |      |     |        |      |
| 23    | 6.9 | 6.3     | 6.6  |     |        |      |     |        |      |     |        |      |
| 24    | 6.7 | 6.3     | 6.5  |     |        |      |     |        |      |     |        |      |
| 25    | 6.6 | 6.1     | 6.4  |     |        |      |     |        |      |     |        |      |
| 26    | 6.8 | 6.1     | 6.4  |     |        |      |     |        |      |     |        |      |
| 27    | 6.7 | 6.1     | 6.4  |     |        |      |     |        |      |     |        |      |
| 28    | 6.7 | 6.0     | 6.3  |     |        |      |     |        |      |     |        |      |
| 29    | 6.6 | 6.0     | 6.3  |     |        |      |     |        |      |     |        |      |
| 30    | 6.6 | 5.8     | 6.2  |     |        |      |     |        |      |     |        |      |
| 31    | 6.9 | 6.1     | 6.4  |     |        |      |     |        |      |     |        |      |
| MONTH |     |         |      |     |        |      |     |        |      |     |        |      |

# DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

| DAY  | MAX  | MIN  | MEAN  | MAX  | MIN   | MEAN   | MAX   | MIN   | MEAN   | MAX   | MIN   | MEAN   |
|--|--|--|---|--|---|--|---|---|--|---|---|--|
|  |  | OCTOBER  |   | N  | OVEMBE  | R  | Г   | DECEMBE   | ER   |   | JANUARY   |  |
| 1 2  |  |  |   |  |   |  | 7.0<br>7.5  | 6.4<br>6.4  | 6.7<br>6.9   |   |   |  |
| 3  |  |  |   |  |   |  | 7.6   | 6.7   | 7.1  |   |   |  |
| 4<br>5   |  |  |   |  |   |  | 7.8<br>7.9  | 7.0<br>7.3  | 7.4<br>7.6   |   |   |  |
|  |  |  |   |  |   |  |   |   |  |   |   |  |
| 6<br>7   |  |  |   |  |   |  | 8.1<br>8.4  | 7.4<br>7.5  | 7.7<br>7.9   |   |   |  |
| 8  |  |  |   | 6.4  | 5.3   | 5.8  |   |   |  |   |   |  |
| 9<br>10  |  |  |   | 7.3<br>7.5   | 5.8<br>6.3  | 6.6<br>7.0   |   |   |  | 8.8<br>9.3  | 8.1<br>8.4  | 8.5<br>8.9   |
|  |  |  |   |  |   |  |   |   |  |   |   |  |
| 11<br>12   |  |  |   | 7.3<br>7.0   | 6.4<br>6.2  | 6.9<br>6.6   |   |   |  |   |   |  |
| 13   |  |  |   | 7.6  | 6.7   | 7.1  |   |   |  |   |   |  |
| 14<br>15   |  |  |   | 7.6<br>7.4   | 6.8<br>6.5  | 7.1<br>7.0   |   |   |  |   |   |  |
| 16   |  |  |   | 7.1  | 6.3   | 6.8  |   |   |  |   |   |  |
| 17   |  |  |   | 6.9  | 6.3   | 6.7  |   |   |  |   |   |  |
| 18<br>19   |  |  |   | 6.9<br>7.7   | 6.3<br>6.5  | 6.7<br>7.2   |   |   |  |   |   |  |
| 20   |  |  |   | 7.7  | 6.9   | 7.3  |   |   |  |   |   |  |
| 21   |  |  |   | 7.5  | 6.7   | 7.1  |   |   |  |   |   |  |
| 22   |  |  |   | 7.1  | 6.5   | 6.8  |   |   |  |   |   |  |
| 23<br>24   |  |  |   | 6.9<br>6.7   | 6.3<br>5.9  | 6.6<br>6.3   |   |   |  |   |   |  |
| 25   |  |  |   | 7.0  | 5.9   | 6.4  |   |   |  |   |   |  |
| 26   |  |  |   | 6.8  | 6.1   | 6.5  |   |   |  |   |   |  |
| 27   |  |  |   | 6.6  | 6.0   | 6.3  |   |   |  |   |   |  |
| 28<br>29   |  |  |   | 6.7<br>7.4   | 6.0<br>6.1  | 6.3<br>6.7   |   |   |  |   |   |  |
| 30   |  |  |   | 7.0  | 6.2   | 6.7  |   |   |  |   |   |  |
| 31   |  |  |   |  |   |  |   |   |  |   |   |  |
| MONTH  |  |  |   |  |   |  |   |   |  |   |   |  |
|  |  |  |   |  |   |  |   |   |  |   |   |  |
|  |  | FEBRUAR  | Y   |  | MARCH   |  |   | APRIL   |  |   | MAY   |  |
| 1  |  |  |   | 10.1   | 9.0   | 9.7  | 8.8   | 7.3   | 8.1  |   |   |  |
| 2  |  |  |   | 10.1   | 9.0<br>9.0  | 9.7  | 8.9   | 7.3<br>7.9  | 8.2  | <br>  |   | <br>   |
| 2<br>3<br>4  | <br><br>   |  |   | 10.1<br>10.1<br>10.0   | 9.0<br>9.0<br>8.8<br>8.7  | 9.7<br>9.7<br>9.6  | 8.9<br>9.0<br>8.6   | 7.3<br>7.9<br>7.9<br>8.0  | 8.2<br>8.3<br>8.3  |   | <br><br>  |  |
| 2 3  |  |  |   | 10.1<br>10.1   | 9.0<br>9.0<br>8.8   | 9.7<br>9.7   | 8.9<br>9.0  | 7.3<br>7.9<br>7.9   | 8.2<br>8.3   |   | <br>  |  |
| 2<br>3<br>4<br>5   | <br><br><br>   | <br><br>   | <br><br>  | 10.1<br>10.1<br>10.0<br>9.9<br>9.7   | 9.0<br>9.0<br>8.8<br>8.7<br>8.4   | 9.7<br>9.7<br>9.6<br>9.4<br>9.4  | 8.9<br>9.0<br>8.6<br>8.8<br>9.0   | 7.3<br>7.9<br>7.9<br>8.0<br>8.2   | 8.2<br>8.3<br>8.3<br>8.5   | <br><br>  | <br><br><br>  |  |
| 2<br>3<br>4<br>5   | <br><br>   | <br><br>   | <br><br>  | 10.1<br>10.1<br>10.0<br>9.9  | 9.0<br>9.0<br>8.8<br>8.7<br>8.4   | 9.7<br>9.7<br>9.6<br>9.4   | 8.9<br>9.0<br>8.6<br>8.8  | 7.3<br>7.9<br>7.9<br>8.0<br>8.2   | 8.2<br>8.3<br>8.3<br>8.5   | <br><br>  | <br><br><br>  | <br><br>   |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9   |  |  |   | 10.1<br>10.1<br>10.0<br>9.9<br>9.7<br>9.5<br>9.3<br>9.3  | 9.0<br>9.0<br>8.8<br>8.7<br>8.4<br>8.7<br>8.4<br>8.1<br>8.3   | 9.7<br>9.7<br>9.6<br>9.4<br>9.1<br>9.0<br>8.8  | 8.9<br>9.0<br>8.6<br>8.8<br>9.0<br>8.9<br>8.8<br>9.0  | 7.3<br>7.9<br>7.9<br>8.0<br>8.2<br>8.1<br>7.9<br>7.7  | 8.2<br>8.3<br>8.3<br>8.5<br>8.5<br>8.4<br>8.2<br>8.2   | 6.0<br>5.9  | 5.3<br>5.1<br>5.2   | 5.6<br>5.5<br>5.5  |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9   |  |  | <br><br><br><br><br>  | 10.1<br>10.1<br>10.0<br>9.9<br>9.7<br>9.5<br>9.3<br>9.3<br>9.3   | 9.0<br>9.0<br>8.8<br>8.7<br>8.4<br>8.7<br>8.4<br>8.1<br>8.3<br>8.5  | 9.7<br>9.7<br>9.6<br>9.4<br>9.1<br>9.0<br>8.8<br>8.9   | 8.9<br>9.0<br>8.6<br>8.8<br>9.0<br>8.9<br>8.8<br>9.0<br>9.0   | 7.3<br>7.9<br>7.9<br>8.0<br>8.2<br>8.1<br>7.9<br>7.7<br>7.7   | 8.2<br>8.3<br>8.3<br>8.5<br>8.5<br>8.4<br>8.2<br>8.2<br>8.3  | 6.0<br>5.9<br>5.8   | 5.3<br>5.1<br>5.2   | 5.6<br>5.5<br>5.5  |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10   | <br><br><br><br><br><br>10.7   |  | <br><br><br><br><br><br>10.2  | 10.1<br>10.1<br>10.0<br>9.9<br>9.7<br>9.5<br>9.3<br>9.3<br>9.3   | 9.0<br>9.0<br>8.8<br>8.7<br>8.4<br>8.7<br>8.4<br>8.1<br>8.3<br>8.5  | 9.7<br>9.7<br>9.6<br>9.4<br>9.1<br>9.0<br>8.8<br>8.9   | 8.9<br>9.0<br>8.6<br>8.8<br>9.0<br>8.9<br>8.8<br>9.0<br>9.0   | 7.3<br>7.9<br>7.9<br>8.0<br>8.2<br>8.1<br>7.9<br>7.7<br>7.7<br>7.8                                    | 8.2<br>8.3<br>8.5<br>8.5<br>8.5<br>8.4<br>8.2<br>8.2<br>8.3  | <br><br><br>6.0<br>5.9<br>5.8<br>   | 5.3<br>5.1<br>5.2   | 5.6<br>5.5<br>5.5  |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10   | <br><br><br><br><br><br>10.7<br>10.8   | <br><br><br><br><br><br>9.6<br>9.7   | <br><br><br><br><br><br>10.2<br>10.1<br>10.2  | 10.1<br>10.1<br>10.0<br>9.9<br>9.7<br>9.5<br>9.3<br>9.3<br>9.3<br>9.3<br>9.7<br>9.4<br>9.2   | 9.0<br>9.0<br>8.8<br>8.7<br>8.4<br>8.7<br>8.4<br>8.1<br>8.3<br>8.5<br>8.5<br>8.6<br>8.4   | 9.7<br>9.7<br>9.6<br>9.4<br>9.4<br>9.1<br>9.0<br>8.8<br>8.9<br>9.1<br>8.9<br>8.8   | 8.9<br>9.0<br>8.6<br>8.8<br>9.0<br>8.9<br>8.8<br>9.0<br>9.0   | 7.3<br>7.9<br>7.9<br>8.0<br>8.2<br>8.1<br>7.9<br>7.7<br>7.8<br>7.8<br>7.7                             | 8.2<br>8.3<br>8.5<br>8.5<br>8.5<br>8.4<br>8.2<br>8.2<br>8.2<br>8.3                                 | 6.0<br>5.9<br>5.8<br><br>6.0<br>6.1<br>6.2  | 5.3<br>5.1<br>5.2<br>5.2<br>5.2<br>5.3  | 5.6<br>5.5<br>5.5<br>5.5<br>5.5  |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14   | <br><br><br><br><br><br>10.7<br>10.9<br>10.8<br>10.5   | <br><br><br><br><br><br>9.6<br>9.6<br>9.7<br>9.7   | <br><br><br><br><br>10.2<br>10.1<br>10.2<br>10.0  | 10.1<br>10.1<br>10.0<br>9.9<br>9.7<br>9.5<br>9.3<br>9.3<br>9.3<br>9.7<br>9.4<br>9.2<br>9.2   | 9.0<br>9.0<br>8.8<br>8.7<br>8.4<br>8.7<br>8.4<br>8.1<br>8.3<br>8.5<br>8.5<br>8.6<br>8.4   | 9.7<br>9.7<br>9.6<br>9.4<br>9.4<br>9.1<br>9.0<br>8.8<br>8.9<br>9.1<br>8.9<br>8.8   | 8.9<br>9.0<br>8.6<br>8.8<br>9.0<br>8.9<br>8.8<br>9.0<br>9.0<br>8.8<br>8.3<br>8.2<br>8.3                   | 7.3<br>7.9<br>7.9<br>8.0<br>8.2<br>8.1<br>7.9<br>7.7<br>7.8<br>7.8<br>7.8<br>7.7<br>7.6<br>7.3        | 8.2<br>8.3<br>8.5<br>8.5<br>8.4<br>8.2<br>8.2<br>8.3<br>8.2<br>7.9<br>7.8                          | 6.0<br>5.9<br>5.8<br><br>6.0<br>6.1<br>6.2<br>6.0   | 5.3<br>5.1<br>5.2<br>5.2<br>5.3<br>5.1  | <br><br>5.6<br>5.5<br>5.5<br><br>5.6<br>5.7<br>5.5   |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15   | <br><br><br><br><br>10.7<br>10.9<br>10.8<br>10.5<br>10.3   | 9.6<br>9.7<br>9.5  | 10.2<br>10.0<br>9.9   | 10.1<br>10.1<br>10.0<br>9.9<br>9.7<br>9.5<br>9.3<br>9.3<br>9.3<br>9.7<br>9.4<br>9.2<br>8.9   | 9.0<br>9.0<br>8.8<br>8.7<br>8.4<br>8.7<br>8.4<br>8.1<br>8.3<br>8.5<br>8.6<br>8.4<br>8.4   | 9.7<br>9.7<br>9.6<br>9.4<br>9.1<br>9.0<br>8.8<br>8.9<br>9.1<br>8.9<br>8.8<br>8.7<br>8.6  | 8.9<br>9.0<br>8.6<br>8.8<br>9.0<br>8.9<br>8.8<br>9.0<br>9.0<br>8.8<br>8.3<br>8.2<br>8.3<br>8.4            | 7.3<br>7.9<br>7.9<br>8.0<br>8.2<br>8.1<br>7.9<br>7.7<br>7.7<br>7.8<br>7.8<br>7.7<br>7.6<br>7.3<br>7.3 | 8.2<br>8.3<br>8.5<br>8.5<br>8.5<br>8.4<br>8.2<br>8.2<br>8.3<br>8.2<br>7.9<br>7.8                   | 6.0<br>5.9<br>5.8<br><br>6.0<br>6.1<br>6.2<br>6.0<br>6.0  | 5.3<br>5.1<br>5.2<br>5.2<br>5.3<br>5.1<br>5.2   | 5.6<br>5.5<br>5.5<br>5.5<br>5.7<br>5.6<br>5.7<br>5.6   |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15   | <br><br><br><br><br><br>10.7<br>10.9<br>10.8<br>10.5<br>10.3   | 9.6<br>9.7<br>9.5<br>9.6   | <br><br><br><br><br><br>10.2<br>10.1<br>10.2<br>10.0<br>9.9   | 10.1<br>10.1<br>10.0<br>9.9<br>9.7<br>9.5<br>9.3<br>9.3<br>9.3<br>9.7<br>9.4<br>9.2<br>9.2<br>8.9  | 9.0<br>9.0<br>8.8<br>8.7<br>8.4<br>8.7<br>8.4<br>8.1<br>8.3<br>8.5<br>8.5<br>8.6<br>8.4<br>8.4<br>8.3   | 9.7<br>9.7<br>9.6<br>9.4<br>9.4<br>9.1<br>9.0<br>8.8<br>8.9<br>9.1<br>8.9<br>8.8<br>8.7<br>8.6   | 8.9<br>9.0<br>8.6<br>8.8<br>9.0<br>8.9<br>8.8<br>9.0<br>9.0<br>8.8<br>8.3<br>8.2<br>8.3                   | 7.3<br>7.9<br>7.9<br>8.0<br>8.2<br>8.1<br>7.9<br>7.7<br>7.8<br>7.8<br>7.8<br>7.7<br>7.6<br>7.3        | 8.2<br>8.3<br>8.5<br>8.5<br>8.4<br>8.2<br>8.2<br>8.3<br>8.2<br>7.9<br>7.8                          | 6.0<br>5.9<br>5.8<br><br>6.0<br>6.1<br>6.2<br>6.0<br>6.0<br>5.8   | 5.3<br>5.1<br>5.2<br>5.2<br>5.3<br>5.1<br>5.2<br>5.2  | 5.6<br>5.5<br>5.5<br>5.5<br>5.5<br>5.5<br>5.6<br>5.6<br>5.7<br>5.5<br>5.5  |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15   | <br><br><br><br><br>10.7<br>10.9<br>10.8<br>10.5<br>10.3<br>10.7<br>10.7<br>10.8   | 9.6<br>9.7<br>9.7<br>9.7<br>9.7  | <br><br><br><br><br><br>10.2<br>10.1<br>10.2<br>10.0<br>9.9<br>10.1<br>10.1<br>10.2   | 10.1<br>10.1<br>10.0<br>9.9<br>9.7<br>9.5<br>9.3<br>9.3<br>9.3<br>9.7<br>9.4<br>9.2<br>9.2<br>8.9<br>8.7<br>8.7  | 9.0<br>9.0<br>8.8<br>8.7<br>8.4<br>8.1<br>8.3<br>8.5<br>8.5<br>8.6<br>8.4<br>8.3<br>8.1<br>8.0<br>8.0   | 9.7<br>9.7<br>9.6<br>9.4<br>9.1<br>9.0<br>8.8<br>8.9<br>9.1<br>8.9<br>8.8<br>8.7<br>8.6<br>8.5<br>8.3<br>8.3   | 8.9<br>9.0<br>8.6<br>8.8<br>9.0<br>9.0<br>8.8<br>9.0<br>9.0<br>8.8<br>8.3<br>8.2<br>8.3<br>8.4            | 7.3 7.9 7.9 8.0 8.2 8.1 7.9 7.7 7.7 7.8 7.8 7.8 7.7 7.6 7.3 7.3                                       | 8.2<br>8.3<br>8.5<br>8.5<br>8.4<br>8.2<br>8.2<br>8.3<br>8.2<br>8.0<br>7.9<br>7.8<br>7.8            | 6.0<br>5.9<br>5.8<br><br>6.0<br>6.1<br>6.2<br>6.0<br>6.0<br>5.8<br>5.9<br>5.8   | 5.3<br>5.1<br>5.2<br>5.2<br>5.3<br>5.1<br>5.2<br>5.2<br>5.2<br>5.2<br>5.2   | 5.6<br>5.5<br>5.5<br>5.7<br>5.6<br>5.7<br>5.6<br>5.7<br>5.6<br>5.7   |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18   | <br><br><br><br><br>10.7<br>10.9<br>10.8<br>10.5<br>10.3<br>10.7<br>10.7<br>10.8<br>10.4   | 9.6<br>9.7<br>9.7<br>9.7<br>9.7<br>9.7   | 10.2<br>10.1<br>10.1<br>10.1<br>10.1<br>10.1<br>10.1<br>10.1  | 10.1<br>10.1<br>10.0<br>9.9<br>9.7<br>9.5<br>9.3<br>9.3<br>9.3<br>9.7<br>9.4<br>9.2<br>8.9<br>8.7<br>8.7<br>8.7  | 9.0<br>9.0<br>8.8<br>8.7<br>8.4<br>8.7<br>8.4<br>8.1<br>8.3<br>8.5<br>8.6<br>8.4<br>8.4<br>8.3<br>8.1<br>8.0<br>8.0<br>8.1  | 9.7<br>9.7<br>9.6<br>9.4<br>9.1<br>9.0<br>8.8<br>8.9<br>9.1<br>8.9<br>8.8<br>8.7<br>8.6<br>8.5<br>8.3<br>8.4   | 8.9<br>9.0<br>8.6<br>8.8<br>9.0<br>8.9<br>8.8<br>9.0<br>9.0<br>8.8<br>8.3<br>8.2<br>8.3<br>8.4            | 7.3<br>7.9<br>7.9<br>8.0<br>8.2<br>8.1<br>7.9<br>7.7<br>7.8<br>7.8<br>7.7<br>7.6<br>7.3<br>7.3        | 8.2<br>8.3<br>8.5<br>8.5<br>8.5<br>8.4<br>8.2<br>8.2<br>8.3<br>8.2<br>8.0<br>7.9<br>7.8<br>7.8     | 6.0<br>5.9<br>5.8<br><br>6.0<br>6.1<br>6.2<br>6.0<br>6.0<br>5.8<br>5.9<br>5.8   | 5.3<br>5.1<br>5.2<br>5.2<br>5.3<br>5.1<br>5.2<br>5.2<br>5.3<br>5.1<br>5.2   | 5.6<br>5.5<br>5.5<br>5.6<br>5.7<br>5.6<br>5.7<br>5.6<br>5.5<br>5.6<br>5.5  |
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| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29             | 10.7<br>10.8<br>10.5<br>10.3<br>10.7<br>10.8<br>10.5<br>10.3<br>10.7<br>10.8<br>10.5<br>10.3<br>10.1<br>10.5<br>10.6<br>10.6<br>10.6<br>10.3<br>10.1 | 9.6<br>9.6<br>9.7<br>9.7<br>9.7<br>9.7<br>9.7<br>9.7<br>9.7<br>9.7<br>9.7<br>9.8<br>10.0<br>10.0<br>9.8<br>9.6<br>9.3        | 10.2<br>10.1<br>10.2<br>10.1<br>10.2<br>10.1<br>10.2<br>10.1<br>10.2<br>10.1<br>10.2<br>10.3<br>10.2<br>10.3<br>10.2<br>10.9<br>9.8         | 10.1<br>10.1<br>10.0<br>9.9<br>9.7<br>9.5<br>9.3<br>9.3<br>9.3<br>9.7<br>9.4<br>9.2<br>9.2<br>8.9<br>8.7<br>8.7<br>8.7<br>8.8<br>8.8<br>8.8<br>9.2<br>9.4<br>9.1<br>9.0                      | 9.0<br>9.0<br>8.8<br>8.7<br>8.4<br>8.7<br>8.4<br>8.1<br>8.3<br>8.5<br>8.6<br>8.4<br>8.3<br>8.1<br>8.0<br>8.1<br>8.1<br>8.2<br>8.3<br>8.3<br>8.3   | 9.7<br>9.7<br>9.6<br>9.4<br>9.1<br>9.0<br>8.8<br>8.9<br>9.1<br>8.9<br>8.8<br>8.7<br>8.6<br>8.5<br>8.3<br>8.3<br>8.4<br>8.5<br>8.7<br>8.6<br>8.5<br>8.7<br>8.8<br>8.7<br>8.6<br>8.5<br>8.7<br>8.8<br>8.9  | 8.9<br>9.0<br>8.6<br>8.8<br>9.0<br>9.0<br>8.8<br>9.0<br>9.0<br>8.8<br>8.3<br>8.2<br>8.3<br>8.4<br>8.2<br> | 7.3 7.9 7.9 8.0 8.2 8.1 7.9 7.7 7.8 7.8 7.6 7.3 7.4   | 8.2<br>8.3<br>8.5<br>8.5<br>8.5<br>8.4<br>8.2<br>8.2<br>8.3<br>8.2<br>8.0<br>7.9<br>7.8<br>7.8<br> | 6.0<br>5.9<br>5.8<br><br>6.0<br>6.1<br>6.2<br>6.0<br>6.0<br>5.8<br>5.9<br>5.8<br>6.3<br>6.4<br>6.4<br>6.7<br>7.0<br>7.2<br>7.0                      | 5.2<br>5.2<br>5.2<br>5.2<br>5.2<br>5.2<br>5.4<br>5.4<br>5.6<br>5.7<br>5.8<br>6.0<br>6.0                             | 5.6<br>5.5<br>5.5<br>5.5<br>5.6<br>5.7<br>5.5<br>5.6<br>5.5<br>5.5<br>5.6<br>5.5<br>5.6<br>6.0<br>6.1<br>6.3<br>6.4<br>6.4<br>6.4        |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29<br>30       | 10.7<br>10.9<br>10.8<br>10.5<br>10.3<br>10.7<br>10.7<br>10.8<br>10.5<br>10.3<br>10.1<br>10.6<br>10.6<br>10.3<br>10.1<br>10.3<br>10.1                 | 9.6<br>9.6<br>9.7<br>9.7<br>9.5<br>9.6<br>9.7<br>9.7<br>9.5<br>9.6<br>9.7<br>9.7<br>9.8<br>10.0<br>10.0<br>9.8<br>9.6<br>9.3 | 10.2<br>10.1<br>10.2<br>10.1<br>10.2<br>10.1<br>10.2<br>10.1<br>10.2<br>10.1<br>10.0<br>10.2<br>10.3<br>10.2<br>10.3<br>10.2<br>10.9<br>9.8 | 10.1<br>10.1<br>10.0<br>9.9<br>9.7<br>9.5<br>9.3<br>9.3<br>9.3<br>9.7<br>9.4<br>9.2<br>8.9<br>8.7<br>8.7<br>8.8<br>8.8<br>8.8<br>9.2<br>9.4<br>9.1<br>9.0<br>9.0<br>8.8<br>8.6<br>8.9        | 9.0<br>9.0<br>8.8<br>8.7<br>8.4<br>8.7<br>8.4<br>8.1<br>8.3<br>8.5<br>8.6<br>8.4<br>8.3<br>8.1<br>8.0<br>8.1<br>8.1<br>8.2<br>8.3<br>8.3<br>8.3<br>8.7<br>8.7<br>8.9<br>8.9<br>8.9<br>8.9<br>8.9<br>8.9<br>8.9<br>8.9                             | 9.7<br>9.7<br>9.6<br>9.4<br>9.1<br>9.0<br>8.8<br>8.9<br>9.1<br>8.9<br>8.8<br>8.7<br>8.6<br>8.5<br>8.3<br>8.4<br>8.5<br>8.7<br>8.6<br>8.5<br>8.7<br>8.6<br>8.5<br>8.7<br>8.6<br>8.7<br>8.6<br>8.7<br>8.8<br>8.7<br>8.8<br>8.9   | 8.9 9.0 8.6 8.8 9.0 9.0 8.8 8.3 8.2 8.3 8.4 8.2   | 7.3 7.9 7.9 8.0 8.2 8.1 7.9 7.7 7.8 7.8 7.8 7.6 7.3 7.4   | 8.2<br>8.3<br>8.5<br>8.5<br>8.4<br>8.2<br>8.2<br>8.3<br>8.2<br>8.0<br>7.9<br>7.8<br>7.8<br>        | 6.0<br>5.9<br>5.8<br><br>6.0<br>6.1<br>6.2<br>6.0<br>6.0<br>5.8<br>5.9<br>5.8<br>6.3<br>6.4<br>6.7<br>7.0<br>7.2<br>7.0<br>6.9<br>7.1               | 5.2<br>5.2<br>5.2<br>5.2<br>5.1<br>5.2<br>5.1<br>5.2<br>5.1<br>5.2<br>5.4<br>5.4<br>5.6<br>5.7<br>5.8<br>6.0<br>6.0 | 5.6<br>5.5<br>5.5<br>5.5<br>5.6<br>5.7<br>5.5<br>5.6<br>5.5<br>5.5<br>5.6<br>6.0<br>6.1<br>6.3<br>6.4<br>6.4<br>6.2<br>6.1<br>6.3        |
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| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29<br>30       | 10.7<br>10.9<br>10.8<br>10.5<br>10.3<br>10.7<br>10.7<br>10.8<br>10.5<br>10.3<br>10.1<br>10.6<br>10.6<br>10.3<br>10.1<br>10.3<br>10.1                 | 9.6<br>9.6<br>9.7<br>9.7<br>9.5<br>9.6<br>9.7<br>9.7<br>9.5<br>9.6<br>9.7<br>9.7<br>9.8<br>10.0<br>10.0<br>9.8<br>9.6<br>9.3 | 10.2<br>10.1<br>10.2<br>10.1<br>10.2<br>10.1<br>10.2<br>10.1<br>10.2<br>10.1<br>10.0<br>10.2<br>10.3<br>10.2<br>10.3<br>10.2<br>10.9<br>9.8 | 10.1<br>10.1<br>10.0<br>9.9<br>9.7<br>9.5<br>9.3<br>9.3<br>9.3<br>9.7<br>9.4<br>9.2<br>8.9<br>8.7<br>8.7<br>8.8<br>8.8<br>8.8<br>9.2<br>9.4<br>9.1<br>9.0<br>9.0<br>8.8<br>8.6<br>8.9        | 9.0<br>9.0<br>8.8<br>8.7<br>8.4<br>8.7<br>8.4<br>8.1<br>8.3<br>8.5<br>8.6<br>8.4<br>8.3<br>8.1<br>8.0<br>8.1<br>8.1<br>8.2<br>8.3<br>8.3<br>8.3<br>8.7<br>8.7<br>8.9<br>8.9<br>8.9<br>8.9<br>8.9<br>8.9<br>8.9<br>8.9                             | 9.7<br>9.7<br>9.6<br>9.4<br>9.1<br>9.0<br>8.8<br>8.9<br>9.1<br>8.9<br>8.8<br>8.7<br>8.6<br>8.5<br>8.3<br>8.4<br>8.5<br>8.7<br>8.6<br>8.5<br>8.7<br>8.6<br>8.5<br>8.7<br>8.6<br>8.7<br>8.6<br>8.7<br>8.8<br>8.7<br>8.8<br>8.9   | 8.9 9.0 8.6 8.8 9.0 9.0 8.8 8.3 8.2 8.3 8.4 8.2   | 7.3 7.9 7.9 8.0 8.2 8.1 7.9 7.7 7.8 7.8 7.8 7.6 7.3 7.4   | 8.2<br>8.3<br>8.5<br>8.5<br>8.4<br>8.2<br>8.2<br>8.3<br>8.2<br>8.0<br>7.9<br>7.8<br>7.8<br>        | 6.0<br>5.9<br>5.8<br><br>6.0<br>6.1<br>6.2<br>6.0<br>6.0<br>5.8<br>5.9<br>5.8<br>6.3<br>6.4<br>6.7<br>7.0<br>7.2<br>7.0<br>6.9<br>7.1               | 5.2<br>5.2<br>5.2<br>5.2<br>5.1<br>5.2<br>5.1<br>5.2<br>5.1<br>5.2<br>5.4<br>5.4<br>5.6<br>5.7<br>5.8<br>6.0<br>6.0 | 5.6<br>5.5<br>5.5<br>5.5<br>5.6<br>5.7<br>5.5<br>5.6<br>5.5<br>5.5<br>5.6<br>6.0<br>6.1<br>6.3<br>6.4<br>6.4<br>6.2<br>6.1<br>6.3        |

### 02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, NC—Continued

## DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM—CONTINUED WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

| DAY                        | MAX                             | MIN                             | MEAN                            |
|----------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
|                            |                                 | JUNE                            |                                 |                                 | JULY                            |                                 |                                 | AUGUST                          |                                 | S                               | ЕРТЕМВІ                         | ER                              |
| 1 2                        | 7.5<br>7.0                      | 5.8<br>5.6                      | 6.3<br>6.0                      | 6.7<br>6.4                      | 4.8<br>4.6                      | 5.4<br>5.6                      | 6.2<br>6.3                      | 4.2<br>4.2                      | 5.5<br>5.4                      |                                 |                                 |                                 |
| 3<br>4<br>5                | 6.6<br>6.3<br>6.4               | 5.1<br>5.1<br>5.1               | 5.7<br>5.6<br>5.6               | 6.6<br>7.1<br>8.5               | 4.7<br>4.8<br>4.8               | 5.8<br>6.2<br>6.7               | 6.8<br>6.2<br>6.2               | 5.0<br>4.8<br>4.4               | 5.8<br>5.5<br>5.3               |                                 |                                 |                                 |
| 6                          | 6.3<br>6.2                      | 5.0<br>5.1                      | 5.6<br>5.6                      |                                 |                                 |                                 | 6.6<br>7.1                      | 4.9<br>5.0                      | 5.5<br>5.7                      |                                 |                                 |                                 |
| 8                          | 6.5<br>6.8                      | 4.7<br>4.8                      | 5.5<br>5.7                      | 7.0<br>6.7                      | 5.4<br>5.2                      | 6.1<br>5.9                      | 6.8<br>7.2                      | 4.6<br>4.5                      | 5.5<br>5.5                      |                                 |                                 |                                 |
| 10<br>11                   |                                 |                                 |                                 | 7.3<br>6.6                      | 4.8<br>4.7                      | 5.9<br>5.8                      | 6.9<br>7.0                      | 4.4<br>4.6                      | 5.5<br>5.4                      |                                 |                                 |                                 |
| 12<br>13<br>14             |                                 |                                 |                                 | 6.4<br>7.2<br>7.1               | 4.8<br>5.2<br>4.5               | 5.7<br>6.1<br>5.8               | 6.4<br>6.2<br>6.2               | 4.9<br>4.9<br>4.7               | 5.5<br>5.4<br>5.4               | <br>5.3                         | <br>4.2                         | <br><br>4.8                     |
| 15                         |                                 |                                 |                                 | 7.5                             | 4.9                             | 5.7                             | 5.6                             | 4.6                             | 5.1                             | 5.2                             | 4.0                             | 4.5                             |
| 16<br>17<br>18<br>19<br>20 | 7.5<br>6.6<br>7.5<br>7.3<br>6.7 | 5.9<br>5.6<br>5.5<br>5.4<br>5.1 | 6.4<br>6.0<br>6.0<br>6.0<br>5.8 | 7.6<br>7.0<br>6.4<br>7.3<br>7.7 | 5.1<br>5.2<br>4.8<br>4.9<br>5.2 | 6.0<br>5.9<br>5.6<br>5.6<br>5.9 | 5.1<br>5.0<br>5.0<br>5.2<br>5.4 | 4.5<br>4.4<br>4.3<br>4.4<br>4.5 | 4.7<br>4.6<br>4.6<br>4.7<br>4.8 | 4.7<br>6.0<br>5.9<br>6.3<br>6.7 | 3.5<br>3.6<br>4.9<br>4.8<br>5.2 | 4.0<br>4.7<br>5.4<br>5.5<br>5.9 |
| 21<br>22<br>23<br>24<br>25 | 7.3<br>8.1<br>8.9<br>7.3<br>7.0 | 5.0<br>5.0<br>5.5<br>5.0<br>4.9 | 5.7<br>6.0<br>6.6<br>5.9<br>5.7 | 6.7<br>6.8<br>6.8<br>6.0<br>5.5 | 4.9<br>4.6<br>4.6<br>4.3<br>3.8 | 5.7<br>5.5<br>5.4<br>5.0<br>4.5 | 5.3<br>5.5<br>5.1<br>5.2<br>5.2 | 4.4<br>4.1<br>4.3<br>4.1<br>3.7 | 4.8<br>4.6<br>4.6<br>4.6<br>4.4 | 5.7<br>6.1                      | 5.0<br>5.1                      | 5.4<br>5.5                      |
| 26<br>27<br>28<br>29       | 6.5<br>5.7<br>                  | 5.0<br>4.7<br>                  | 5.6<br>5.1<br>                  | 5.6<br>5.6<br>5.4               | 3.8<br>3.9<br>4.4<br>3.0        | 4.4<br>4.8<br>5.0<br>4.6        | 5.1<br>4.9<br>                  | 3.7<br>3.5<br>                  | 4.5<br>4.3<br>                  | 6.3<br>6.3<br>6.6<br>6.8        | 5.4<br>5.6<br>6.0<br>5.7        | 5.9<br>6.0<br>6.2<br>6.2        |
| 30<br>31                   |                                 |                                 |                                 | 5.5<br>6.0                      | 2.9<br>3.6                      | 4.6<br>5.3                      |                                 |                                 |                                 | 6.5                             | 5.5                             | 6.0                             |
| MONTH                      |                                 |                                 |                                 |                                 |                                 |                                 |                                 |                                 |                                 |                                 |                                 |                                 |

# DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER, BOTTOM WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

| DAY      | MAX        | MIN        | MEAN       | MAX        | MIN        | MEAN       | MAX | MIN    | MEAN | MAX | MIN     | MEAN |
|----------|------------|------------|------------|------------|------------|------------|-----|--------|------|-----|---------|------|
|          |            | ОСТОВЕ     | R          | N          | OVEMBE     | ER         | D   | ECEMBE | ER.  |     | JANUAR' | Y    |
| 1 2      | 6.1<br>6.0 | 5.3<br>5.2 | 5.8<br>5.6 | 7.0        | 6.4        | 6.7        |     |        |      |     |         |      |
| 3        | 5.9        | 5.2        | 5.5        |            |            |            |     |        |      |     |         |      |
| 4        | 6.0        | 5.3        | 5.6        |            |            |            |     |        |      |     |         |      |
| 5        | 5.9        | 5.2        | 5.5        |            |            |            |     |        |      |     |         |      |
| 6        | 6.0        | 4.7        | 5.4        |            |            |            |     |        |      |     |         |      |
| 7        | 6.1        | 4.7        | 5.1        |            |            |            |     |        |      |     |         |      |
| 8<br>9   | 6.4        | 4.9        | 5.2        |            |            |            |     |        |      |     |         |      |
| 10       | 6.0<br>5.6 | 4.9<br>5.0 | 5.3<br>5.3 | 8.1        | 7.2        | 7.8        |     |        |      |     |         |      |
|          |            |            |            |            |            |            |     |        |      |     |         |      |
| 11       | 6.1        | 5.1        | 5.5        | 8.0        | 7.4        | 7.8        |     |        |      |     |         |      |
| 12       | 5.9        | 5.1        | 5.5<br>5.5 | 7.7        | 7.3        | 7.5<br>7.5 |     |        |      |     |         |      |
| 13<br>14 | 5.9<br>5.9 | 5.0<br>5.1 | 5.5<br>5.5 | 7.8<br>8.1 | 7.1<br>7.5 | 7.5<br>7.9 |     |        |      |     |         |      |
| 15       | 5.9        | 5.0        | 5.5        | 8.2        | 7.7        | 8.0        |     |        |      |     |         |      |
|          |            |            |            |            |            |            |     |        |      |     |         |      |
| 16       | 6.2        | 5.1        | 5.6        | 8.1        | 7.6        | 7.9        |     |        |      |     |         |      |
| 17<br>18 | 5.9<br>5.8 | 5.1<br>5.0 | 5.6<br>5.5 | 7.9<br>7.7 | 7.4<br>7.3 | 7.7<br>7.5 |     |        |      |     |         |      |
| 19       | 5.9        | 5.1        | 5.5        | 7.6        | 7.2        | 7.4        |     |        |      |     |         |      |
| 20       | 6.1        | 5.2        | 5.7        |            |            |            |     |        |      |     |         |      |
| 21       | 6.0        | 5.4        | 5.8        |            |            |            |     |        |      |     |         |      |
| 22       | 6.3        | 5.5        | 5.8<br>5.9 |            |            |            |     |        |      |     |         |      |
| 23       | 6.6        | 5.8        | 6.2        |            |            |            |     |        |      |     |         |      |
| 24       | 6.6        | 6.1        | 6.4        |            |            |            |     |        |      |     |         |      |
| 25       | 6.5        | 6.1        | 6.4        |            |            |            |     |        |      |     |         |      |
| 26       | 6.7        | 6.0        | 6.4        |            |            |            |     |        |      |     |         |      |
| 27       | 6.7        | 6.1        | 6.4        |            |            |            |     |        |      |     |         |      |
| 28       | 6.6        | 6.0        | 6.3        |            |            |            |     |        |      |     |         |      |
| 29       | 6.6        | 5.9        | 6.4        |            |            |            |     |        |      |     |         |      |
| 30<br>31 | 6.7<br>7.2 | 6.0<br>6.3 | 6.4<br>6.7 |            |            |            |     |        |      |     |         |      |
| 31       | 1.4        | 0.5        |            |            |            |            |     |        |      |     |         |      |
| MONTH    | 7.2        | 4.7        | 5.8        |            |            |            |     |        |      |     |         |      |

### 02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, NC—Continued

# DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

| DAY   | MAX  | MIN  | MEAN   | MAX  | MIN  | MEAN   | MAX  | MIN  | MEAN   | MAX  | MIN   | MEAN   |
|---|--|--|--|--|--|--|--|--|--|--|---|--|
|   |  | OCTOBER  | -  | N  | OVEMBE                                       | R  | D  | ECEMBE   | ER   |  | JANUARY   |  |
| 1   |  |  |  |  |  |  | 73   | 66   | 70   | 83   | 77  | 81   |
| 2 3   |  |  |  |  |  |  | 74<br>73   | 67<br>65   | 70<br>71   | 83<br>86   | 76<br>76  | 80<br>81   |
| 4   |  |  |  |  |  |  | 75<br>75   | 69   | 72   | 89   | 78<br>78  | 84   |
| 5   |  |  |  |  |  |  | 74   | 70   | 71   | 90   | 81  | 87   |
| 6   |  |  |  |  |  |  | 75   | 68   | 71   | 90   | 81  | 86   |
| 7   |  |  |  |  |  |  | 75<br>75   | 69   | 72   | 88   | 79  | 84   |
| 8   |  |  |  | 72   | 56   | 64   | 74   | 68   | 71   | 86   | 74  | 80   |
| 9   |  |  |  | 79<br>79   | 62   | 71   | 73   | 68   | 70   | 78   | 73<br>75  | 76   |
| 10  |  |  |  | 79   | 66   | 74   | 76   | 68   | 72   | 81   | 13  | 78   |
| 11  |  |  |  | 76   | 66   | 71   | 78   | 72   | 75   | 82   | 77  | 79   |
| 12<br>13  |  |  |  | 74<br>80   | 63<br>71                                     | 69<br>75   | 76<br>79   | 71<br>71   | 74<br>75   | 83<br>82   | 77<br>78  | 80<br>80   |
| 14  |  |  |  | 80   | 69   | 73<br>74   | 82   | 75   | 73<br>78   | 83   | 78<br>78  | 80   |
| 15  |  |  |  | 76   | 67   | 72   | 81   | 74   | 78   | 85   | 78  | 81   |
| 16  |  |  |  | 75   | 64   | 69   | 79   | 74   | 76   | 83   | 79  | 81   |
| 17  |  |  |  | 72   | 65   | 69   | 81   | 74<br>74   | 70<br>77   | 83   | 79  | 81   |
| 18  |  |  |  | 72   | 65   | 69   | 78   | 74   | 76   | 85   | 78  | 82   |
| 19  |  |  |  | 81   | 68   | 76<br>76   | 78   | 74   | 76<br>76   | 84   | 79<br>70  | 82   |
| 20  |  |  |  | 81   | 73   | 76   | 79   | 73   | 76   | 83   | 79  | 81   |
| 21  |  |  |  | 76   | 69   | 73   | 79   | 74   | 77   | 83   | 78  | 80   |
| 22  |  |  |  | 75<br>72   | 67   | 71   | 79   | 73   | 76   | 82   | 77  | 80   |
| 23<br>24  |  |  |  | 72<br>70   | 65<br>61                                     | 68<br>65   | 80<br>81   | 74<br>74   | 77<br>78   | 83<br>85   | 78<br>79  | 81<br>82   |
| 25  |  |  |  | 71   | 62   | 66   | 84   | 76   | 80   | 85   | 79  | 83   |
|   |  |  |  | 71   | (2   |  | 92   | 75   | 70   | 0.4  | 70  |  |
| 26<br>27  |  |  |  | 71<br>68   | 63<br>62                                     | 66<br>64   | 83<br>81   | 75<br>75   | 79<br>78   | 84<br>85   | 79<br>79  | 82<br>82   |
| 28  |  |  |  | 71   | 61   | 66   | 83   | 75   | 78   | 89   | 80  | 84   |
| 29  |  |  |  | 75   | 67   | 71   | 82   | 75   | 79   | 88   | 83  | 86   |
| 30<br>31  |  |  |  | 74<br>   | 67   | 70   | 86<br>84   | 75<br>77   | 81<br>81   | 88<br>87   | 83<br>83  | 86<br>85   |
|   |  |  |  |  |  |  |  |  |  |  |   |  |
| MONTH   |  |  |  |  |  |  | 86   | 65   | 75   | 90   | 73  | 82   |
| MONTH   |  |  |  |  |  |  | 00   |  | 75   | 70   | 73  | 02   |
| MONTH   |  | FEBRUARY   |  |  | MARCH  |  | 80   | APRIL  | 75   | 70   | MAY   | 02   |
| 1   | 87   | FEBRUARY<br>82   | Y<br>85  |  | MARCH  |  |  | APRIL  |  |  | MAY<br>   |  |
| 1<br>2  | 87<br>90   | FEBRUARY<br>82<br>82   | Y<br>85<br>86  | <br>   | MARCH<br>                                    | <br>   | <br>80   | APRIL 73   | <br>76   |  | MAY   |  |
| 1   | 87<br>90<br>90   | 82<br>82<br>82<br>83   | 85<br>86<br>88   |  | MARCH  |  | 80<br>82   | APRIL<br><br>73<br>71  | <br>76<br>76   |  | MAY<br>   |  |
| 1<br>2<br>3   | 87<br>90   | FEBRUARY<br>82<br>82   | Y<br>85<br>86  | <br><br>   | MARCH<br><br>                                | <br>   | <br>80   | APRIL 73   | <br>76   | <br>   | MAY<br><br>   | <br>   |
| 1<br>2<br>3<br>4<br>5   | 87<br>90<br>90<br>90<br>90   | 82<br>82<br>82<br>83<br>84<br>85                                     | 85<br>86<br>88<br>88<br>88   | <br><br>   | MARCH  | <br><br>   | 80<br>82<br>82<br>82<br>82   | APRIL 73 71 73 74  | <br>76<br>76<br>76<br>77   | <br><br><br>   | MAY   | <br><br><br>   |
| 1<br>2<br>3<br>4  | 87<br>90<br>90<br>90   | 82<br>82<br>82<br>83<br>84   | 85<br>86<br>88<br>88   | <br><br>   | MARCH  | <br><br>   | 80<br>82<br>82   | APRIL 73 71 73   | <br>76<br>76<br>76   | <br><br>   | MAY<br><br><br>   | <br><br>   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8  | 87<br>90<br>90<br>90<br>90<br>90<br>92<br>95<br>97                 | 82<br>82<br>83<br>84<br>85<br>85<br>87<br>89                         | 85<br>86<br>88<br>88<br>88<br>88<br>89<br>92<br>93                         | <br><br><br>   | MARCH  | <br><br><br>   | 80<br>82<br>82<br>82<br>82<br>84<br>87<br>88   | APRIL 73 71 73 74 74 74 76                                     | 76<br>76<br>76<br>77<br>78<br>80<br>81   | <br><br><br><br>73<br>75   | MAY 61 61   | <br><br><br><br>67<br>66   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9   | 87<br>90<br>90<br>90<br>90<br>92<br>95<br>97<br>95                 | 82<br>82<br>83<br>84<br>85<br>85<br>87<br>89<br>88                   | 85<br>86<br>88<br>88<br>88<br>89<br>92<br>93<br>92                         | <br><br><br><br>   | MARCH  |  | 80<br>82<br>82<br>82<br>82<br>84<br>87<br>88<br>95   | APRIL 73 71 73 74 74 74 76 75                                  | 76<br>76<br>76<br>77<br>78<br>80<br>81<br>82   | <br><br><br><br>73<br>75<br>73   | MAY 61 61 61  | <br><br><br><br>67<br>66<br>66   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9   | 87<br>90<br>90<br>90<br>90<br>92<br>95<br>97<br>95                 | 82<br>82<br>83<br>84<br>85<br>85<br>87<br>89<br>88<br>88             | 85<br>86<br>88<br>88<br>88<br>89<br>92<br>93<br>92<br>93                   | <br><br><br><br>   | MARCH  | <br><br><br>   | 80<br>82<br>82<br>82<br>82<br>84<br>87<br>88<br>95   | APRIL 73 71 73 74 74 74 76 75                                  | 76<br>76<br>76<br>77<br>78<br>80<br>81<br>82<br>83   | <br><br><br>73<br>75<br>73<br>76   | MAY 61 61 61 61   | <br><br><br>67<br>66<br>66<br>68   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10   | 87<br>90<br>90<br>90<br>90<br>92<br>95<br>97<br>95                 | 82<br>82<br>83<br>84<br>85<br>85<br>87<br>89<br>88                   | 85<br>86<br>88<br>88<br>88<br>89<br>92<br>93<br>92                         |  | MARCH  |  | 80<br>82<br>82<br>82<br>82<br>84<br>87<br>88<br>95<br>94   | APRIL 73 71 73 74 74 74 76 75 75                               | 76<br>76<br>76<br>77<br>78<br>80<br>81<br>82<br>83   | <br><br><br>73<br>75<br>73<br>76   | MAY 61 61 61 61 63  | <br><br><br>67<br>66<br>66<br>66<br>68   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10   | 87<br>90<br>90<br>90<br>90<br>92<br>95<br>97<br>95<br>97           | 82<br>82<br>83<br>84<br>85<br>85<br>87<br>89<br>88<br>88<br>88       | 85<br>86<br>88<br>88<br>88<br>88<br>89<br>92<br>93<br>92<br>93             | <br><br><br><br><br>87   | MARCH 80                                     | <br><br><br><br><br>83   | 80<br>82<br>82<br>82<br>82<br>84<br>87<br>88<br>95<br>94   | APRIL 73 71 73 74 74 74 75 75 75                               | 76<br>76<br>76<br>77<br>78<br>80<br>81<br>82<br>83   | <br><br><br><br>73<br>75<br>73<br>76   | MAY 61 61 61 61 63 62   | <br><br><br>67<br>66<br>66<br>68<br>69<br>69   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10   | 87<br>90<br>90<br>90<br>90<br>92<br>95<br>97<br>95                 | 82<br>82<br>83<br>84<br>85<br>85<br>87<br>89<br>88<br>88             | 85<br>86<br>88<br>88<br>88<br>89<br>92<br>93<br>92<br>93                   |  | MARCH 80 79                                  | <br><br><br><br><br>83<br>82   | 80<br>82<br>82<br>82<br>82<br>84<br>87<br>88<br>95<br>94   | APRIL 73 71 73 74 74 74 76 75 75 74 73 72                      | 76<br>76<br>76<br>77<br>78<br>80<br>81<br>82<br>83<br>82<br>83   | <br><br><br>73<br>75<br>73<br>76<br>77<br>76<br>86   | MAY 61 61 61 61 63  | <br><br><br>67<br>66<br>66<br>68<br>69<br>69   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10   | 87<br>90<br>90<br>90<br>90<br>92<br>95<br>97<br>95<br>97           | 82<br>82<br>83<br>84<br>85<br>85<br>87<br>89<br>88<br>88<br>88       | 85<br>86<br>88<br>88<br>88<br>89<br>92<br>93<br>92<br>93<br>92             | <br><br><br><br><br><br>87<br>86   | MARCH 80                                     | <br><br><br><br><br>83   | 80<br>82<br>82<br>82<br>82<br>84<br>87<br>88<br>95<br>94   | APRIL 73 71 73 74 74 74 75 75 75                               | 76<br>76<br>76<br>77<br>78<br>80<br>81<br>82<br>83   | <br><br><br><br>73<br>75<br>73<br>76   | MAY 61 61 61 61 63 62 64  | <br><br><br>67<br>66<br>66<br>68<br>69<br>69   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15   | 87<br>90<br>90<br>90<br>90<br>92<br>95<br>97<br>95<br>97<br>97<br> | 82<br>82<br>83<br>84<br>85<br>85<br>87<br>89<br>88<br>88<br>88       | 85<br>86<br>88<br>88<br>88<br>89<br>92<br>93<br>92<br>93<br>92             | <br><br><br><br><br>87<br>86<br>86<br>86   | MARCH 80 79 79                               | <br><br><br><br><br>83<br>82<br>82<br>82<br>82   | 80<br>82<br>82<br>82<br>84<br>87<br>88<br>95<br>94<br>93<br>87<br>84<br>85<br>85                 | APRIL   73  71  73  74  74  74  76  75  75  74  73  72  67  73 | 76<br>76<br>76<br>77<br>78<br>80<br>81<br>82<br>83<br>82<br>80<br>79<br>79                             | <br><br><br><br>73<br>75<br>73<br>76<br>77<br>76<br>86<br>84<br>84   | MAY 61 61 61 61 62 64 67 68   | <br><br><br>67<br>66<br>66<br>68<br>69<br>69<br>73<br>75<br>76   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15   | 87<br>90<br>90<br>90<br>90<br>92<br>95<br>97<br>95<br>97           | 82<br>82<br>83<br>84<br>85<br>85<br>87<br>89<br>88<br>88<br>88       | 85<br>86<br>88<br>88<br>88<br>88<br>89<br>92<br>93<br>92<br>93<br>92<br>93 | <br><br><br><br><br><br>87<br>86<br>86   | MARCH 80 79 79                               | <br><br><br><br><br>83<br>82<br>82<br>82   | 80<br>82<br>82<br>82<br>82<br>84<br>87<br>88<br>95<br>94<br>93<br>87<br>84<br>85                 | APRIL 73 71 73 74 74 74 76 75 75 74 73 72 67                   | 76<br>76<br>76<br>77<br>78<br>80<br>81<br>82<br>83<br>82<br>80<br>79                                   | <br><br><br>73<br>75<br>73<br>76<br>77<br>76<br>86<br>84   | MAY 61 61 61 61 63 62 64 67   | <br><br>67<br>66<br>66<br>68<br>69<br>69<br>73<br>75<br>76   |
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| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28             | 87<br>90<br>90<br>90<br>90<br>92<br>95<br>97<br>95<br>97<br>97<br> | 82<br>82<br>83<br>84<br>85<br>85<br>87<br>89<br>88<br>88<br>88<br>   | 85<br>86<br>88<br>88<br>88<br>88<br>89<br>92<br>93<br>92<br>93<br>92<br>   |  | MARCH 80 79 79 79 80 79 77 80 80 81 82 81    | 83<br>82<br>82<br>82<br>82<br>81<br>80<br>82<br>82<br>82<br>81                                 | 80<br>82<br>82<br>82<br>82<br>84<br>87<br>88<br>95<br>94<br>93<br>87<br>84<br>85<br>85<br>85<br> | APRIL 73 71 73 74 74 74 76 75 75 74 73 72 67 73 72             | 76<br>76<br>76<br>77<br>78<br>80<br>81<br>82<br>83<br>82<br>80<br>79<br>79<br>79<br>77<br>76<br>       | <br><br><br>73<br>75<br>73<br>76<br>77<br>76<br>86<br>84<br>84<br>82<br>83<br>81<br>80<br>78<br>84<br>87<br>91<br>96<br>99                     | MAY 61 61 61 61 63 62 64 67 68 68 68 67 69 65 63 64 74 77 79 82 75 73 76    | <br><br>67<br>66<br>66<br>68<br>69<br>69<br>73<br>75<br>76<br>75<br>74<br>72<br>70<br>74<br>79<br>84<br>87<br>87<br>85                   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29<br>29 | 87<br>90<br>90<br>90<br>90<br>92<br>95<br>97<br>95<br>97<br>97<br> | 82 82 83 84 85 85 87 89 88 88  | 85<br>86<br>88<br>88<br>88<br>88<br>89<br>92<br>93<br>92<br>93<br>92<br>   | <br><br><br><br><br>87<br>86<br>86<br>86<br>88<br>85<br>85<br>85<br>85<br>87<br>90<br>90           | MARCH 80 79 79 79 80 79 77 80 80 81 82 81    | 83<br>82<br>82<br>82<br>82<br>82<br>82<br>82<br>81<br>80<br>82<br>82<br>82<br>82               | 80<br>82<br>82<br>82<br>82<br>84<br>87<br>88<br>95<br>94<br>93<br>87<br>84<br>85<br>85<br>85<br> | APRIL 73 71 73 74 74 74 76 75 75 77 73 72 67 73 72             | 76<br>76<br>76<br>77<br>78<br>80<br>81<br>82<br>83<br>82<br>80<br>79<br>79<br>77<br>76<br>             | <br><br><br>73<br>75<br>73<br>76<br>77<br>76<br>86<br>84<br>84<br>82<br>83<br>81<br>80<br>78<br>84<br>87<br>91<br>96<br>99                     | MAY 61 61 61 61 63 62 64 67 68 68 67 69 65 63 64 77 79 82 75 73 76 67       | <br><br>67<br>66<br>66<br>68<br>69<br>69<br>73<br>75<br>76<br>75<br>77<br>72<br>70<br>74<br>79<br>84<br>87<br>87<br>87<br>85<br>84<br>85 |
| 1 2 3 4 4 5 5 6 7 8 9 10 11 122 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30   | 87<br>90<br>90<br>90<br>90<br>92<br>95<br>97<br>95<br>97<br>97<br> | 82 82 83 84 85 85 87 89 88 88  | 85<br>86<br>88<br>88<br>88<br>88<br>89<br>92<br>93<br>92<br>93<br>92<br>   |  | MARCH 80 79 79 79 80 79 77 80 80 81 82 81    | 83<br>82<br>82<br>82<br>82<br>82<br>82<br>82<br>83<br>85<br>85                                 | 80<br>82<br>82<br>82<br>82<br>84<br>87<br>88<br>95<br>94<br>93<br>87<br>84<br>85<br>85<br>85     | APRIL 73 71 73 74 74 74 76 75 75 74 73 72 67 73 72             | 76 76 77 78 80 81 82 83 82 80 79 79 77 76  | <br><br><br>73<br>75<br>73<br>76<br>86<br>84<br>84<br>82<br>83<br>81<br>80<br>78<br>84<br>87<br>91<br>96<br>99<br>103<br>99<br>101<br>95<br>85 | MAY 61 61 61 61 63 62 64 67 68 68 67 69 65 63 64 74 77 79 82 75 73 76 67 71 | <br><br>67<br>66<br>66<br>68<br>69<br>69<br>73<br>75<br>76<br>75<br>77<br>74<br>72<br>70<br>74<br>79<br>84<br>87<br>87<br>87<br>87       |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29<br>29 | 87<br>90<br>90<br>90<br>90<br>92<br>95<br>97<br>95<br>97<br>       | 82 82 83 84 85 85 87 89 88 88  | 85<br>86<br>88<br>88<br>88<br>88<br>89<br>92<br>93<br>92<br>93<br>92<br>   | <br><br><br><br><br>87<br>86<br>86<br>86<br>88<br>85<br>85<br>85<br>85<br>87<br>90<br>90           | MARCH 80 79 79 79 80 79 77 80 80 81 82 81    |  | 80<br>82<br>82<br>82<br>82<br>84<br>87<br>88<br>95<br>94<br>93<br>87<br>84<br>85<br>85<br>85<br> | APRIL 73 71 73 74 74 74 76 75 75 74 73 72 67 73 72             | 76<br>76<br>76<br>77<br>78<br>80<br>81<br>82<br>83<br>82<br>80<br>79<br>79<br>79<br>77<br>76<br>       | <br><br><br>73<br>75<br>73<br>76<br>77<br>76<br>86<br>84<br>84<br>82<br>83<br>81<br>80<br>78<br>84<br>87<br>91<br>96<br>99                     | MAY 61 61 61 61 63 62 64 67 68 68 67 69 65 63 64 77 79 82 75 73 76 67       | <br><br>67<br>66<br>66<br>68<br>69<br>69<br>73<br>75<br>76<br>75<br>77<br>72<br>70<br>74<br>79<br>84<br>87<br>87<br>87<br>85<br>84<br>85 |

### 02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, NC—Continued DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP—CONTINUED WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

| DAY                              | MAX                             | MIN                        | MEAN                       | MAX                              | MIN                              | MEAN                             | MAX                              | MIN                              | MEAN                             | MAX                        | MIN                        | MEAN                       |
|----------------------------------|---------------------------------|----------------------------|----------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------|----------------------------|----------------------------|
|                                  |                                 | JUNE                       |                            |                                  | JULY                             |                                  |                                  | AUGUST                           |                                  | S                          | ЕРТЕМВІ                    | ER                         |
| 1<br>2<br>3<br>4<br>5            | 96<br>91<br>88<br>80            | 72<br>70<br>68<br>64       | 80<br>79<br>76<br>73       | 81<br>78<br>85<br>88<br>99       | 59<br>61<br>55<br>58<br>67       | 66<br>67<br>67<br>70<br>79       | 82<br>87<br>86<br>95<br>92       | 63<br>61<br>63<br>60<br>58       | 71<br>71<br>72<br>70<br>71       | 66<br>66<br>68<br>67<br>67 | 52<br>49<br>55<br>52<br>51 | 58<br>57<br>61<br>58<br>59 |
| 6<br>7<br>8<br>9<br>10           | <br><br>109<br>107              | <br><br>67<br>70           | <br><br>82<br>86           | 113<br>118<br>96<br>89<br>90     | 69<br>72<br>67<br>62<br>58       | 84<br>87<br>80<br>73<br>70       | 87<br>98<br>101<br>109<br>110    | 61<br>60<br>56<br>59<br>59       | 72<br>73<br>73<br>75<br>76       | 69<br>75<br>82<br>84<br>70 | 54<br>56<br>67<br>67<br>51 | 62<br>64<br>75<br>76<br>61 |
| 11<br>12<br>13<br>14<br>15       | 107<br>104<br>102<br>110<br>104 | 69<br>69<br>66<br>73<br>78 | 86<br>82<br>83<br>88       | 88<br>76<br>84<br>100<br>111     | 59<br>61<br>64<br>68<br>70       | 71<br>68<br>71<br>79<br>87       | 111<br>83<br>77<br>78<br>71      | 63<br>60<br>57<br>57<br>56       | 75<br>71<br>65<br>65<br>63       | 67<br>71<br>71<br>64<br>60 | 54<br>56<br>54<br>50<br>47 | 60<br>62<br>61<br>57<br>53 |
| 16<br>17<br>18<br>19<br>20       | 97<br>92<br>101<br>113<br>110   | 73<br>72<br>72<br>79<br>80 | 83<br>80<br>85<br>92<br>90 | 121<br>106<br>93<br>106<br>125   | 73<br>66<br>65<br>62<br>65       | 89<br>80<br>77<br>78<br>85       | 66<br>65<br>67<br>69             | 55<br>54<br>55<br>55<br>54       | 60<br>59<br>59<br>60<br>60       | 54<br>68<br>72<br>76<br>80 | 41<br>42<br>56<br>56<br>60 | 46<br>56<br>65<br>67<br>72 |
| 21<br>22<br>23<br>24<br>25       | 115<br>122<br>133<br>129<br>110 | 73<br>77<br>74<br>72<br>74 | 91<br>94<br>94<br>94<br>93 | 108<br>110<br>110<br>89<br>92    | 65<br>58<br>59<br>58<br>51       | 81<br>77<br>76<br>71<br>67       | 72<br>74<br>68<br>70<br>69       | 52<br>51<br>51<br>51<br>46       | 60<br>57<br>58<br>60<br>58       | <br><br>76<br>             | <br><br>60<br>             | <br><br>67<br>             |
| 26<br>27<br>28<br>29<br>30<br>31 | 109<br>99<br>95<br>88<br>83     | 69<br>72<br>72<br>69<br>62 | 83<br>82<br>81<br>77<br>70 | 87<br>85<br>78<br>73<br>73<br>75 | 52<br>57<br>59<br>61<br>59<br>60 | 67<br>69<br>67<br>66<br>65<br>68 | 65<br>64<br>62<br>72<br>78<br>79 | 50<br>50<br>48<br>49<br>66<br>56 | 58<br>57<br>56<br>62<br>73<br>65 | 78<br>78<br>82<br>         | 65<br>67<br>73<br>         | 71<br>73<br>78<br>         |
| MONTH                            |                                 |                            |                            | 125                              | 51                               | 74                               | 111                              | 46                               | 65                               |                            |                            |                            |

### 02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, NC—Continued

# DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, TOP WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

| DAY   | MAX | MIN     | MEAN | MAX | MIN    | MEAN | MAX | MIN    | MEAN | MAX | MIN   | MEAN |
|-------|-----|---------|------|-----|--------|------|-----|--------|------|-----|-------|------|
|       | (   | OCTOBER | ₹    | N   | OVEMBE | ER   | D   | ECEMBE | ER   | J   | ANUAR | Y    |
| 1     |     |         |      | 80  | 65     | 71   |     |        |      |     |       |      |
| 2     |     |         |      | 79  | 63     | 71   |     |        |      |     |       |      |
| 3     |     |         |      | 77  | 65     | 71   |     |        |      |     |       |      |
| 4     |     |         |      | 78  | 68     | 74   |     |        |      |     |       |      |
| 5     |     |         |      | 81  | 69     | 74   |     |        |      |     |       |      |
| 6     |     |         |      | 76  | 67     | 72   |     |        |      |     |       |      |
| 7     | 76  | 63      | 68   | 77  | 68     | 71   |     |        |      |     |       |      |
| 8     | 78  | 65      | 70   | 77  | 66     | 71   |     |        |      |     |       |      |
| 9     | 76  | 66      | 71   | 83  | 68     | 76   |     |        |      |     |       |      |
| 10    | 73  | 63      | 69   | 84  | 74     | 79   |     |        |      |     |       |      |
| 11    | 72  | 62      | 67   | 82  | 75     | 79   |     |        |      |     |       |      |
| 12    | 72  | 61      | 67   | 83  | 75     | 79   |     |        |      |     |       |      |
| 13    | 74  | 61      | 68   | 83  | 75     | 79   |     |        |      |     |       |      |
| 14    | 73  | 62      | 68   | 88  | 79     | 82   |     |        |      |     |       |      |
| 15    | 74  | 63      | 69   | 85  | 77     | 81   |     |        |      |     |       |      |
| 16    | 76  | 63      | 69   | 82  | 75     | 78   |     |        |      |     |       |      |
| 17    | 76  | 62      | 69   | 79  | 72     | 75   |     |        |      |     |       |      |
| 18    | 76  | 61      | 68   | 78  | 71     | 74   |     |        |      |     |       |      |
| 19    | 80  | 64      | 71   | 76  | 70     | 73   |     |        |      |     |       |      |
| 20    | 77  | 63      | 71   |     |        |      |     |        |      |     |       |      |
| 21    | 75  | 66      | 71   |     |        |      |     |        |      |     |       |      |
| 22    | 77  | 68      | 73   |     |        |      |     |        |      |     |       |      |
| 23    | 77  | 70      | 74   |     |        |      |     |        |      |     |       |      |
| 24    | 74  | 69      | 72   |     |        |      |     |        |      |     |       |      |
| 25    | 72  | 67      | 70   |     |        |      |     |        |      |     |       |      |
| 26    | 74  | 66      | 70   |     |        |      |     |        |      |     |       |      |
| 27    | 73  | 66      | 70   |     |        |      |     |        |      |     |       |      |
| 28    | 73  | 65      | 69   |     |        |      |     |        |      |     |       |      |
| 29    | 72  | 65      | 68   |     |        |      |     |        |      |     |       |      |
| 30    | 73  | 63      | 68   |     |        |      |     |        |      |     |       |      |
| 31    | 77  | 67      | 71   |     |        |      |     |        |      |     |       |      |
| MONTH |     |         |      |     |        |      |     |        |      |     |       |      |

# DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

| DAY   | MAX  | MIN  | MEAN  | MAX  | MIN  | MEAN   | MAX  | MIN  | MEAN   | MAX  | MIN  | MEAN   |
|---|--|--|---|--|--|--|--|--|--|--|--|--|
|   |  | OCTOBER  | ₹   | N  | OVEMBE   | R  | D  | ECEMBE   | ER   |  | JANUARY  | 7  |
| 1   |  |  |   |  |  |  | 68   | 62   | 65   |  |  |  |
| 2 3   |  |  |   |  |  |  | 71<br>71   | 62<br>64   | 66<br>67   |  |  |  |
| 4   |  |  |   |  |  |  | 72   | 66   | 69   |  |  |  |
| 5   |  |  |   |  |  |  | 73   | 68   | 71   |  |  |  |
| 6   |  |  |   |  |  |  | 74   | 68   | 71   |  |  |  |
| 7<br>8  |  |  |   | 70   | <br>58   | 64   | 76<br>   | 69<br>   | 72<br>   |  |  |  |
| 9   |  |  |   | 77   | 62   | 70   |  |  |  | 78   | 72   | 75   |
| 10  |  |  |   | 78   | 67   | 74   |  |  |  | 80   | 74   | 77   |
| 11  |  |  |   | 76   | 67   | 72   |  |  |  |  |  |  |
| 12<br>13  |  |  |   | 74<br>80   | 65<br>71   | 70<br>75   |  |  |  |  |  |  |
| 14  |  |  |   | 78   | 70   | 73<br>74   |  |  |  |  |  |  |
| 15  |  |  |   | 75   | 66   | 72   |  |  |  |  |  |  |
| 16  |  |  |   | 73   | 64   | 70   |  |  |  |  |  |  |
| 17  |  |  |   | 72   | 65   | 69   |  |  |  |  |  |  |
| 18<br>19  |  |  |   | 72<br>81   | 65<br>68   | 69<br>75   |  |  |  |  |  |  |
| 20  |  |  |   | 79   | 72   | 75   |  |  |  |  |  |  |
| 21  |  |  |   | 77   | 70   | 73   |  |  |  |  |  |  |
| 22  |  |  |   | 73   | 67   | 70   |  |  |  |  |  |  |
| 23<br>24  |  |  |   | 71<br>69   | 65<br>62   | 68<br>65   |  |  |  |  |  |  |
| 25  |  |  |   | 72   | 62   | 66   |  |  |  |  |  |  |
| 26  |  |  |   | 69   | 62   | 66   |  |  |  |  |  |  |
| 27  |  |  |   | 67   | 61   | 64   |  |  |  |  |  |  |
| 28  |  |  |   | 69   | 61   | 64   |  |  |  |  |  |  |
| 29<br>30  |  |  |   | 71<br>69   | 63<br>62   | 67<br>66   |  |  |  |  |  |  |
| 31  |  |  |   |  |  |  |  |  |  |  |  |  |
| MONTH   |  |  |   |  |  |  |  |  |  |  |  |  |
| MONTH   |  |  |   |  |  |  |  |  |  |  |  |  |
| MONTH   |  | EBRUAR   |   |  | MARCH  |  |  | APRIL  |  |  | MAY  |  |
|   |  |  |   |  | MARCH  |  |  | APRIL  |  |  | MAY  |  |
| 1 2   | F  | EBRUAR   | Y   | 87<br>92   | MARCH<br>78<br>78  | 83<br>86   | 88<br>88   | APRIL<br>72<br>78  | 81<br>82   |  |  |  |
| 1<br>2<br>3   | <br><br>   | EBRUAR`<br><br>  | Y   | 87<br>92<br>90   | MARCH<br>78<br>78<br>79  | 83<br>86<br>87   | 88<br>88<br>90   | APRIL<br>72<br>78<br>79  | 81<br>82<br>82   | <br><br>   |  | <br>   |
| 1 2   | <br>   | EBRUAR<br><br>   | Y   | 87<br>92   | MARCH<br>78<br>78  | 83<br>86   | 88<br>88   | APRIL<br>72<br>78  | 81<br>82   |  |  |  |
| 1<br>2<br>3<br>4<br>5   | <br><br><br>   | FEBRUAR`<br><br><br><br>   | Y<br><br><br>   | 87<br>92<br>90<br>91   | 78<br>78<br>79<br>78<br>77   | 83<br>86<br>87<br>87   | 88<br>88<br>90<br>87<br>87   | 72<br>78<br>79<br>80<br>80   | 81<br>82<br>82<br>83<br>84   | <br><br>   | <br><br><br>   | <br><br>   |
| 1<br>2<br>3<br>4<br>5   | <br><br>   | FEBRUAR<br><br><br>  | Y<br><br>   | 87<br>92<br>90<br>91   | 78<br>78<br>78<br>79<br>78   | 83<br>86<br>87<br>87   | 88<br>88<br>90<br>87   | APRIL 72 78 79 80  | 81<br>82<br>82<br>83   | <br><br>   | <br><br>   | <br><br>   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8  | <br><br><br><br>   | FEBRUAR  | Y   | 87<br>92<br>90<br>91<br>91<br>94<br>91   | 78<br>78<br>79<br>78<br>77<br>83<br>81<br>78   | 83<br>86<br>87<br>87<br>87<br>89<br>88   | 88<br>88<br>90<br>87<br>87<br>91   | 72<br>78<br>79<br>80<br>80<br>79<br>78<br>78   | 81<br>82<br>82<br>83<br>84<br>84<br>84<br>83   | <br><br><br><br>68<br>68   | <br><br><br><br>60<br>59   | <br><br><br><br>64<br>63   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9   | <br><br><br>   | FEBRUAR'   | Y   | 87<br>92<br>90<br>91<br>91<br>94<br>91   | 78<br>78<br>79<br>78<br>77<br>83<br>81<br>78<br>78   | 83<br>86<br>87<br>87<br>87<br>89<br>88<br>87   | 88<br>88<br>90<br>87<br>87<br>91<br>91<br>90<br>94   | 72<br>78<br>79<br>80<br>80<br>79<br>78<br>78<br>78                                     | 81<br>82<br>82<br>83<br>84<br>84<br>84<br>83<br>84   | <br><br><br><br>68   | <br><br><br><br>60   | <br><br><br><br>64   |
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### 02108820 CAPE FEAR RIVER AT CHANNEL MARKER 12 NEAR CAROLINA BEACH, NC—Continued

### DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM—CONTINUED WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

| DAY                              | MAX                          | MIN                        | MEAN                       | MAX                              | MIN                              | MEAN                       | MAX                        | MIN                        | MEAN                       | MAX                        | MIN                        | MEAN                       |
|----------------------------------|------------------------------|----------------------------|----------------------------|----------------------------------|----------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
|                                  |                              | JUNE                       |                            |                                  | JULY                             |                            |                            | AUGUST                     |                            | S                          | ЕРТЕМВІ                    | ER                         |
| 1<br>2<br>3<br>4<br>5            | 96<br>90<br>84<br>80<br>81   | 73<br>71<br>65<br>64<br>64 | 79<br>76<br>72<br>71<br>70 | 87<br>83<br>85<br>92<br>112      | 62<br>59<br>60<br>62<br>62       | 69<br>73<br>75<br>79<br>86 | 82<br>83<br>89<br>81<br>83 | 55<br>55<br>65<br>62<br>57 | 72<br>71<br>76<br>72<br>70 | <br><br>                   | <br><br>                   | <br><br>                   |
| 6<br>7<br>8<br>9<br>10           | 80<br>79<br>83<br>88         | 63<br>64<br>60<br>61       | 71<br>70<br>70<br>73       | 93<br>89<br>98                   | 71<br>68<br>63                   | <br>81<br>77<br>78         | 86<br>91<br>87<br>92<br>89 | 64<br>64<br>59<br>57<br>56 | 72<br>72<br>70<br>70<br>70 | <br><br>                   | <br><br>                   | <br><br>                   |
| 11<br>12<br>13<br>14<br>15       | <br><br><br>                 | <br><br>                   | <br><br>                   | 88<br>85<br>95<br>93<br>100      | 62<br>64<br>69<br>59<br>65       | 77<br>76<br>80<br>76<br>76 | 90<br>82<br>79<br>77<br>70 | 59<br>63<br>62<br>59<br>57 | 69<br>70<br>69<br>68<br>63 | <br>64<br>63               | <br><br>51<br>48           | <br><br>58<br>55           |
| 16<br>17<br>18<br>19<br>20       | 97<br>84<br>97<br>95<br>87   | 75<br>71<br>70<br>69<br>66 | 82<br>76<br>77<br>77<br>75 | 101<br>93<br>84<br>97<br>103     | 67<br>68<br>63<br>63<br>67       | 80<br>78<br>73<br>73<br>77 | 63<br>62<br>62<br>65<br>68 | 56<br>54<br>52<br>54<br>55 | 58<br>57<br>56<br>58<br>59 | 57<br>74<br>71<br>75<br>79 | 42<br>43<br>59<br>57<br>61 | 49<br>57<br>65<br>66<br>70 |
| 21<br>22<br>23<br>24<br>25       | 94<br>106<br>117<br>95<br>92 | 64<br>64<br>71<br>65<br>63 | 73<br>77<br>85<br>76<br>75 | 89<br>91<br>90<br>79<br>73       | 64<br>60<br>60<br>56<br>50       | 75<br>73<br>71<br>65<br>59 | 66<br>68<br>63<br>65<br>65 | 54<br>50<br>52<br>50<br>46 | 60<br>56<br>57<br>57<br>55 | 68<br>73                   | 59<br>60                   | 64<br>66                   |
| 26<br>27<br>28<br>29<br>30<br>31 | 84<br>74<br><br>             | 65<br>60<br><br><br>       | 73<br>65<br><br>           | 74<br>74<br>73<br>70<br>72<br>79 | 50<br>51<br>58<br>39<br>37<br>47 | 58<br>63<br>65<br>60<br>60 | 64<br>62<br><br>           | 46<br>44<br><br><br>       | 57<br>54<br><br>           | 75<br>75<br>80<br>82<br>79 | 64<br>67<br>72<br>68<br>67 | 70<br>72<br>75<br>75<br>73 |
| MONTH                            |                              |                            |                            |                                  |                                  |                            |                            |                            |                            |                            |                            |                            |

# DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION, BOTTOM WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

| DAY   | MAX     | MIN | MEAN | MAX      | MIN | MEAN | MAX      | MIN | MEAN | MAX     | MIN | MEAN |
|-------|---------|-----|------|----------|-----|------|----------|-----|------|---------|-----|------|
|       | OCTOBER |     |      | NOVEMBER |     |      | DECEMBER |     |      | JANUARY |     |      |
| 1     | 75      | 64  | 71   | 79       | 71  | 75   |          |     |      |         |     |      |
| 2     | 73      | 63  | 68   |          |     |      |          |     |      |         |     |      |
| 3     | 72      | 63  | 67   |          |     |      |          |     |      |         |     |      |
| 4     | 72      | 64  | 68   |          |     |      |          |     |      |         |     |      |
| 5     | 72      | 63  | 67   |          |     |      |          |     |      |         |     |      |
| 6     | 72      | 57  | 65   |          |     |      |          |     |      |         |     |      |
| 7     | 72      | 57  | 62   |          |     |      |          |     |      |         |     |      |
| 8     | 75      | 59  | 62   |          |     |      |          |     |      |         |     |      |
| 9     | 71      | 59  | 63   |          |     |      |          |     |      |         |     |      |
| 10    | 67      | 60  | 63   | 84       | 76  | 81   |          |     |      |         |     |      |
| 11    | 73      | 60  | 65   | 83       | 77  | 80   |          |     |      |         |     |      |
| 12    | 70      | 60  | 65   | 80       | 76  | 78   |          |     |      |         |     |      |
| 13    | 70      | 59  | 64   | 80       | 74  | 78   |          |     |      |         |     |      |
| 14    | 69      | 60  | 65   | 81       | 76  | 79   |          |     |      |         |     |      |
| 15    | 68      | 59  | 64   | 81       | 76  | 79   |          |     |      |         |     |      |
| 16    | 70      | 58  | 64   | 79       | 75  | 77   |          |     |      |         |     |      |
| 17    | 66      | 58  | 63   | 76       | 72  | 75   |          |     |      |         |     |      |
| 18    | 66      | 56  | 62   | 75       | 71  | 73   |          |     |      |         |     |      |
| 19    | 68      | 58  | 63   | 75       | 70  | 73   |          |     |      |         |     |      |
| 20    | 70      | 60  | 65   |          |     |      |          |     |      |         |     |      |
| 21    | 69      | 62  | 67   |          |     |      |          |     |      |         |     |      |
| 22    | 71      | 63  | 67   |          |     |      |          |     |      |         |     |      |
| 23    | 74      | 65  | 69   |          |     |      |          |     |      |         |     |      |
| 24    | 73      | 67  | 70   |          |     |      |          |     |      |         |     |      |
| 25    | 72      | 67  | 70   |          |     |      |          |     |      |         |     |      |
| 26    | 74      | 66  | 70   |          |     |      |          |     |      |         |     |      |
| 27    | 73      | 66  | 70   |          |     |      |          |     |      |         |     |      |
| 28    | 72      | 66  | 69   |          |     |      |          |     |      |         |     |      |
| 29    | 72      | 64  | 69   |          |     |      |          |     |      |         |     |      |
| 30    | 74      | 65  | 70   |          |     |      |          |     |      |         |     |      |
| 31    | 81      | 69  | 73   |          |     |      |          |     |      |         |     |      |
| MONTH | 81      | 56  | 66   |          |     |      |          |     |      |         |     |      |