

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC

LOCATION.--Lat 34°15'32", long 77°56'54", New Hanover County, Hydrologic Unit 03030005, at railroad bridge, 1.25 mi upstream of mouth, 2 mi northwest of Wilmington.

DRAINAGE AREA.--1,669 mi²

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

PERIOD OF DAILY RECORD.--

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

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

pH (TOP AND BOTTOM): September 2003 to December 2004.

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

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

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

INSTRUMENTATION.--Water-quality monitor with satellite telemetry from September 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 | 31,500, March 30, 2004 | 60, on several days during the period |
| SPEICIFC CONDUCTANCE (BOTTOM), microsiemens | 35,100, October 8, 2004 | 70, August 21, 22, September 19, 2004 |
| SALINITY (TOP), ppt | 19.6, March 30, 2004 | 0.02, on several days during the period |
| SALINITY (BOTTOM), ppt | 22.1, October 8, 2004 | 0.03, on many days during the period |
| pH (TOP), standard units | 7.8, March 30, 2004 | 5.5, on several days during the period |
| pH (BOTTOM), standard units | 7.8, September 18, 2003, February 3, March 29, 30, 2004 | 5.6, August 25, 2004 |
| WATER TEMPERATURE (TOP), °C | 30.5, July 7, 20, 21, 2004 | 4.9, February 2, 2004 |
| WATER TEMPERATURE (BOTTOM), °C | 30.3, August 4, 2004 | 5.2, February 2, 2004 |
| DISSOLVED OXYGEN (TOP), mg/L | 11.5, February 7, 8, 2004 | 2.7, July 26, 2004 |
| DISSOLVED OXYGEN (BOTTOM), mg/L | 11.4, February 8, 2004 | 2.4, July 25, 26, 2004 |
| DISSOLVED OXYGEN, PERCENT SATURATION (TOP),% | 97, February 7, 8, 2004 | 35, November 7, 2003, July 26, 2004 |
| DISSOLVED OXYGEN, PERCENT SATURATION (BOTTOM),% | 96, February 7, 8, 2004 | 31, July 25, 2004 |

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, 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 | | | NOVEMBER | | | DECEMBER | | | JANUARY | | |
| 1 | 3,780 | 680 | 1,510 | 1,610 | 70 | 353 | 7,590 | 230 | 4,010 | 6,080 | 100 | 2,180 |
| 2 | 8,930 | 540 | 2,520 | 1,700 | 70 | 357 | 10,400 | 170 | 3,890 | 8,860 | 130 | 3,640 |
| 3 | --- | --- | --- | 3,060 | 60 | 642 | 12,900 | 1,010 | 6,980 | 10,200 | 220 | 4,730 |
| 4 | 14,400 | 4,020 | 8,850 | 3,070 | 60 | 752 | 16,400 | 2,840 | 9,650 | 10,300 | 330 | 5,070 |
| 5 | 13,400 | 850 | 8,070 | 1,850 | 60 | 426 | 18,300 | 7,600 | 12,700 | 10,200 | 390 | 5,320 |
| 6 | 13,400 | 2,910 | 8,710 | 1,250 | 60 | 300 | 17,000 | 4,510 | 10,800 | 8,010 | 260 | 3,610 |
| 7 | 13,600 | 5,740 | 9,720 | 730 | 60 | 193 | 18,700 | 3,290 | 10,900 | 12,100 | 240 | 5,600 |
| 8 | 13,400 | 5,900 | 9,440 | 1,400 | 60 | 344 | 17,400 | 5,400 | 11,600 | 13,200 | 1,200 | 7,790 |
| 9 | 10,300 | 420 | 4,950 | 4,810 | 60 | 860 | 17,100 | 5,200 | 10,800 | 15,300 | 1,990 | 8,370 |
| 10 | --- | --- | --- | 11,700 | 70 | 2,970 | 16,600 | 3,080 | 10,400 | 15,800 | 800 | 7,900 |
| 11 | 9,080 | 160 | 2,950 | 10,800 | 90 | 2,960 | 13,900 | 510 | 6,550 | 19,100 | 2,730 | 11,400 |
| 12 | 10,000 | 170 | 3,830 | 7,230 | 80 | 2,400 | 6,710 | 120 | 1,910 | 17,200 | 6,030 | 11,700 |
| 13 | 9,830 | 180 | 3,950 | 4,650 | 80 | 1,170 | 4,780 | 120 | 1,560 | 14,100 | 2,840 | 8,550 |
| 14 | 10,000 | 160 | 4,220 | 6,380 | 80 | 1,920 | 8,160 | 130 | 2,650 | 13,300 | 4,120 | 8,790 |
| 15 | 9,750 | 130 | 2,560 | 11,100 | 190 | 3,770 | 3,270 | 100 | 373 | 15,400 | 2,220 | 9,080 |
| 16 | 7,890 | 120 | 2,300 | 10,700 | 270 | 4,530 | 1,730 | 80 | 297 | 15,000 | 3,110 | 9,360 |
| 17 | 8,160 | 150 | 2,540 | 12,000 | 350 | 5,570 | 810 | 70 | 173 | 15,500 | 2,630 | 10,100 |
| 18 | 12,200 | 170 | 3,780 | 15,000 | 1,380 | 8,460 | 110 | 70 | 85 | 17,300 | 4,220 | 11,100 |
| 19 | 17,500 | 1,590 | 8,910 | 15,200 | 4,340 | 11,000 | 100 | 70 | 82 | 12,900 | 2,750 | 8,490 |
| 20 | 15,500 | 410 | 8,690 | 12,500 | 600 | 6,080 | 90 | 70 | 81 | 15,400 | 2,330 | 9,170 |
| 21 | 18,300 | 2,960 | 10,000 | 13,900 | 1,990 | 8,200 | 90 | 70 | 82 | 17,000 | 3,540 | 10,500 |
| 22 | 16,200 | 1,190 | 10,000 | 12,200 | 2,040 | 6,390 | 90 | 70 | 83 | 14,900 | 3,940 | 9,910 |
| 23 | 16,900 | 3,720 | 11,000 | 9,980 | 200 | 4,210 | 100 | 70 | 87 | 12,500 | 2,010 | 7,910 |
| 24 | 16,200 | 6,750 | 11,300 | 8,340 | 130 | 3,430 | 110 | 70 | 92 | 13,300 | 3,770 | 8,310 |
| 25 | 15,200 | 5,000 | 9,990 | 6,790 | 130 | 2,770 | 100 | 80 | 89 | 13,600 | 1,870 | 8,330 |
| 26 | 13,600 | 2,790 | 8,400 | 9,770 | 140 | 3,880 | 100 | 80 | 90 | 17,800 | 4,750 | 10,900 |
| 27 | 14,300 | 2,040 | 8,210 | 11,000 | 350 | 5,200 | 360 | 80 | 114 | 17,200 | 3,440 | 9,200 |
| 28 | 14,300 | 2,370 | 8,320 | 10,600 | 270 | 5,120 | 1,990 | 80 | 422 | 15,400 | 350 | 5,770 |
| 29 | 12,000 | 840 | 5,780 | 5,410 | 110 | 1,870 | 3,260 | 90 | 876 | 13,400 | 660 | 6,250 |
| 30 | 5,480 | 120 | 1,430 | 9,200 | 240 | 3,980 | 4,970 | 90 | 1,020 | 10,800 | 490 | 5,870 |
| 31 | 1,890 | 80 | 356 | --- | --- | --- | 4,070 | 90 | 1,570 | 13,800 | 360 | 6,420 |
| MONTH | --- | --- | --- | 15,200 | 60 | 3,340 | 18,700 | 70 | 3,550 | 19,100 | 100 | 7,780 |
| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| | FEBRUARY | | | MARCH | | | APRIL | | | MAY | | |
| 1 | 15,300 | 1,700 | 7,680 | 5,050 | 80 | 803 | 24,300 | 14,200 | 18,800 | 19,000 | 10,100 | 14,500 |
| 2 | 21,100 | 2,320 | 10,800 | 2,180 | 80 | 530 | 22,400 | 12,000 | 16,700 | 14,500 | 1,860 | 9,250 |
| 3 | 20,000 | 5,090 | 13,100 | 1,860 | 80 | 427 | 20,700 | 10,500 | 16,100 | 10,500 | 171 | 4,530 |
| 4 | 16,700 | 890 | 8,050 | 1,590 | 80 | 489 | 19,600 | 11,500 | 16,000 | 5,380 | 128 | 1,220 |
| 5 | 16,500 | 1,590 | 8,560 | 620 | 80 | 174 | 18,700 | 8,630 | 14,100 | 4,290 | 140 | 1,270 |
| 6 | 13,800 | 3,850 | 9,150 | 130 | 80 | 103 | 18,500 | 10,600 | 14,300 | 2,520 | 120 | 508 |
| 7 | 9,690 | 1,860 | 5,350 | 110 | 80 | 95 | 18,200 | 8,670 | 13,200 | 320 | 120 | 156 |
| 8 | 5,300 | 140 | 2,440 | 110 | 80 | 97 | 16,400 | 9,590 | 12,500 | 150 | 100 | 129 |
| 9 | 4,650 | 220 | 2,320 | 320 | 90 | 110 | 16,200 | 9,130 | 12,200 | 130 | 90 | 117 |
| 10 | 4,150 | 230 | 1,850 | 5,490 | 90 | 546 | 17,200 | 8,850 | 13,100 | 120 | 90 | 109 |
| 11 | 3,320 | 180 | 1,470 | 7,820 | 200 | 3,640 | 16,800 | 5,900 | 11,000 | 130 | 90 | 105 |
| 12 | 2,820 | 160 | 1,310 | 9,270 | 220 | 4,220 | 13,300 | 6,500 | 10,100 | 120 | 90 | 102 |
| 13 | 3,590 | 130 | 1,340 | 6,370 | 150 | 2,760 | 12,000 | 4,610 | 8,380 | 270 | 80 | 114 |
| 14 | 4,950 | 110 | 1,480 | 6,520 | 150 | 2,610 | --- | --- | --- | 720 | 90 | 242 |
| 15 | 4,720 | 110 | 1,310 | 5,920 | 150 | 2,900 | --- | --- | --- | 1,950 | 90 | 513 |
| 16 | 4,360 | 110 | 1,450 | 8,170 | 180 | 4,180 | 10,400 | 431 | 4,550 | 3,910 | 100 | 1,110 |
| 17 | 6,750 | 110 | 2,600 | 8,200 | 640 | 4,340 | 6,640 | 212 | 2,990 | 5,510 | 140 | 1,910 |
| 18 | 7,420 | 110 | 2,200 | 9,020 | 680 | 4,910 | 4,450 | 172 | 1,120 | 7,290 | 260 | 3,000 |
| 19 | 4,830 | 100 | 1,600 | 6,880 | 990 | 4,020 | 1,650 | 142 | 359 | 8,530 | 940 | 4,350 |
| 20 | 1,490 | 100 | 450 | 6,590 | 1,250 | 3,780 | 437 | 143 | 192 | 9,240 | 690 | 4,750 |
| 21 | 290 | 90 | 132 | 5,650 | 1,430 | 3,020 | 214 | 143 | 171 | 9,490 | 970 | 5,180 |
| 22 | 120 | 90 | 99 | 5,750 | 220 | 1,900 | 277 | 123 | 169 | 10,700 | 3,220 | 6,920 |
| 23 | 110 | 90 | 98 | 6,220 | 450 | 2,700 | 421 | 124 | 203 | 11,200 | 4,390 | 7,720 |
| 24 | 660 | 90 | 109 | 6,150 | 160 | 2,300 | 1,040 | 134 | 333 | 12,700 | 4,970 | 8,120 |
| 25 | 2,740 | 90 | 726 | 4,710 | 170 | 2,070 | 4,520 | 176 | 1,750 | 11,900 | 5,240 | 8,280 |
| 26 | 7,240 | 90 | 1,690 | 5,180 | 200 | 2,200 | 7,560 | 1,460 | 4,430 | 12,700 | 5,830 | 8,530 |
| 27 | 17,900 | 310 | 5,980 | 8,050 | 1,040 | 3,970 | 12,400 | 1,660 | 5,570 | 12,300 | 5,670 | 9,290 |
| 28 | 18,300 | 230 | 5,170 | 10,900 | 2,620 | 5,860 | 22,200 | 3,670 | 9,790 | 14,500 | 8,410 | 11,700 |
| 29 | 9,620 | 90 | 1,770 | 24,900 | 4,760 | 14,700 | 18,800 | 8,380 | 14,000 | 15,900 | 7,630 | 12,000 |
| 30 | --- | --- | --- | 31,500 | 11,400 | 20,400 | 19,000 | 6,610 | 13,600 | 18,200 | 11,100 | 14,600 |
| 31 | --- | --- | --- | 29,100 | 16,100 | 21,700 | --- | --- | --- | 19,100 | 10,800 | 15,200 |
| MONTH | 21,100 | 90 | 3,460 | 31,500 | 80 | 3,920 | --- | --- | --- | 19,100 | 80 | 5,020 |

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

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

| DAY | JUNE | | | JULY | | | AUGUST | | | SEPTEMBER | | |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|-------|-------|
| | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| 1 | 18,600 | 9,530 | 14,500 | 18,300 | 8,060 | 13,700 | 21,100 | 12,200 | 16,500 | 530 | 110 | 201 |
| 2 | 19,000 | 11,200 | 14,900 | 17,800 | 5,250 | 12,100 | 20,300 | 10,100 | 15,400 | 170 | 110 | 141 |
| 3 | 18,800 | 10,100 | 14,700 | 16,300 | 6,370 | 11,400 | 18,600 | 10,200 | 14,000 | 140 | 110 | 126 |
| 4 | 18,900 | 11,800 | 15,000 | 16,800 | 6,200 | 11,500 | 18,800 | 10,400 | 14,000 | 130 | 110 | 117 |
| 5 | 19,900 | 10,700 | 15,000 | 18,300 | 6,240 | 11,800 | 19,000 | 10,800 | 14,100 | 320 | 100 | 134 |
| 6 | 20,400 | 12,900 | 16,400 | 16,800 | 6,270 | 11,400 | 17,400 | 5,370 | 11,300 | 1,820 | 110 | 496 |
| 7 | 21,300 | 12,700 | 16,600 | 17,400 | 8,540 | 13,100 | 22,200 | 7,770 | 14,000 | 5,610 | 100 | 1,350 |
| 8 | 19,300 | 11,300 | 15,400 | 18,200 | 8,920 | 13,600 | 21,800 | 6,180 | 13,900 | 3,750 | 90 | 1,210 |
| 9 | 18,900 | 10,900 | 14,400 | 18,200 | 8,440 | 13,500 | 21,700 | 2,160 | 10,900 | 1,000 | 90 | 180 |
| 10 | 19,200 | 9,680 | 14,400 | 17,400 | 6,720 | 12,400 | 21,300 | 3,890 | 11,600 | 710 | 90 | 158 |
| 11 | 19,600 | 8,840 | 14,300 | 18,400 | 6,290 | 12,600 | 19,900 | 5,850 | 13,400 | 360 | 90 | 120 |
| 12 | 18,000 | 5,270 | 13,100 | 20,300 | 5,810 | 13,200 | 18,200 | 5,100 | 12,800 | 1,030 | 80 | 194 |
| 13 | 20,400 | 10,800 | 15,100 | 20,000 | 7,940 | 14,900 | 16,200 | 330 | 8,890 | 680 | 80 | 184 |
| 14 | 19,300 | 8,250 | 14,500 | 20,700 | 7,650 | 15,200 | 9,520 | 330 | 4,980 | 420 | 80 | 122 |
| 15 | 17,200 | 6,950 | 13,200 | 20,800 | 9,140 | 15,500 | 8,790 | 110 | 1,510 | 110 | 80 | 91 |
| 16 | 16,000 | 4,540 | 11,200 | 20,800 | 8,330 | 15,400 | 2,790 | 100 | 420 | 100 | 80 | 91 |
| 17 | 16,200 | 5,320 | 11,100 | 21,500 | 10,900 | 16,200 | 550 | 90 | 145 | 110 | 80 | 96 |
| 18 | 16,800 | 7,690 | 12,200 | 21,300 | 7,510 | 14,900 | 130 | 90 | 111 | 100 | 80 | 90 |
| 19 | 19,500 | 9,300 | 13,500 | 20,600 | 7,980 | 14,600 | 120 | 80 | 99 | 100 | 80 | 90 |
| 20 | 20,000 | 8,780 | 15,000 | 19,100 | 8,380 | 14,400 | 111 | 70 | 88 | 8,950 | 80 | 1,270 |
| 21 | 22,400 | 12,200 | 17,300 | 20,800 | 9,490 | 15,500 | 101 | 71 | 83 | 16,400 | 90 | 4,790 |
| 22 | 22,600 | 10,800 | 17,000 | 22,400 | 10,000 | 16,700 | 92 | 71 | 81 | 10,700 | 110 | 4,870 |
| 23 | 19,500 | 8,720 | 14,100 | 22,100 | 12,500 | 17,700 | 92 | 71 | 84 | 8,450 | 79 | 2,750 |
| 24 | 19,600 | 5,490 | 12,300 | 21,500 | 8,420 | 15,600 | 113 | 72 | 93 | 9,350 | 99 | 3,170 |
| 25 | 19,200 | 7,920 | 14,600 | 21,100 | 4,120 | 14,000 | 860 | 80 | 179 | 9,760 | 176 | 4,330 |
| 26 | 18,900 | 10,800 | 15,600 | 23,200 | 6,980 | 16,000 | 4,930 | 90 | 977 | 11,400 | 302 | 5,140 |
| 27 | 21,100 | 9,880 | 15,300 | 23,400 | 9,690 | 17,800 | 5,400 | 90 | 1,480 | 11,900 | 1,790 | 6,630 |
| 28 | 20,300 | 8,580 | 15,400 | 21,900 | 8,120 | 17,100 | 5,750 | 100 | 1,920 | 11,300 | 5,060 | 7,160 |
| 29 | 19,400 | 6,880 | 14,000 | 20,100 | 4,920 | 14,200 | 6,340 | 280 | 2,610 | 7,090 | 300 | 3,510 |
| 30 | 19,100 | 8,550 | 14,500 | 20,600 | 6,240 | 13,700 | 6,560 | 140 | 2,240 | 7,420 | 260 | 3,500 |
| 31 | --- | --- | --- | 21,300 | 10,400 | 15,900 | 2,080 | 110 | 512 | --- | --- | --- |
| MONTH | 22,600 | 4,540 | 14,500 | 23,400 | 4,120 | 14,400 | 22,200 | 70 | 6,080 | 16,400 | 79 | 1,740 |

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, 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 | | | NOVEMBER | | | DECEMBER | | | JANUARY | | |
| 1 | 9,000 | 1,980 | 4,910 | 19,600 | 8,740 | 14,700 | 11,000 | 2,170 | 6,140 | --- | --- | --- |
| 2 | 7,670 | 2,330 | 4,400 | 21,200 | 11,200 | 16,400 | --- | --- | --- | --- | --- | --- |
| 3 | 5,260 | 630 | 2,900 | 22,300 | 12,400 | 16,400 | --- | --- | --- | --- | --- | --- |
| 4 | 6,330 | 780 | 2,810 | 23,800 | 14,000 | 18,700 | --- | --- | --- | --- | --- | --- |
| 5 | 8,130 | 500 | 2,970 | 25,400 | 9,820 | 17,600 | --- | --- | --- | --- | --- | --- |
| 6 | 15,200 | 520 | 4,740 | 24,300 | 16,700 | 21,000 | --- | --- | --- | --- | --- | --- |
| 7 | 19,000 | 3,260 | 8,550 | 24,500 | 15,600 | 20,000 | --- | --- | --- | --- | --- | --- |
| 8 | 25,500 | 7,560 | 13,200 | 22,700 | 13,300 | 19,200 | --- | --- | --- | --- | --- | --- |
| 9 | --- | --- | --- | 24,900 | 14,600 | 20,400 | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | 26,600 | 17,600 | 22,100 | --- | --- | --- | --- | --- | --- |
| 11 | 23,600 | 14,200 | 19,600 | 26,000 | 17,800 | 22,300 | --- | --- | --- | --- | --- | --- |
| 12 | 23,100 | 17,500 | 20,300 | 26,000 | 18,300 | 22,400 | --- | --- | --- | --- | --- | --- |
| 13 | 22,200 | 18,200 | 20,000 | 23,200 | 13,700 | 19,300 | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | 24,200 | 11,400 | 18,800 | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | 25,300 | 14,400 | 19,900 | --- | --- | --- | --- | --- | --- |
| 16 | 18,800 | 12,000 | 15,400 | 23,600 | 14,200 | 19,100 | --- | --- | --- | --- | --- | --- |
| 17 | 16,300 | 8,270 | 12,700 | 21,300 | 11,500 | 16,500 | --- | --- | --- | --- | --- | --- |
| 18 | 17,000 | 7,460 | 11,900 | 18,800 | 9,020 | 13,600 | --- | --- | --- | --- | --- | --- |
| 19 | 15,600 | 6,550 | 11,400 | 14,900 | 7,530 | 11,400 | --- | --- | --- | --- | --- | --- |
| 20 | 16,600 | 4,230 | 10,600 | 13,200 | 6,220 | 9,950 | --- | --- | --- | --- | --- | --- |
| 21 | 20,300 | 7,810 | 13,400 | 12,400 | 4,610 | 8,900 | --- | --- | --- | --- | --- | --- |
| 22 | 24,300 | 13,700 | 18,100 | 14,700 | 4,650 | 10,100 | --- | --- | --- | --- | --- | --- |
| 23 | 26,000 | 17,400 | 21,000 | 15,000 | 7,260 | 11,100 | --- | --- | --- | --- | --- | --- |
| 24 | 25,500 | 19,700 | 22,200 | 15,700 | 5,990 | 11,000 | --- | --- | --- | --- | --- | --- |
| 25 | 24,400 | 18,900 | 21,500 | 14,400 | 7,230 | 9,630 | --- | --- | --- | --- | --- | --- |
| 26 | 23,000 | 17,700 | 20,200 | 11,600 | 770 | 6,730 | --- | --- | --- | --- | --- | --- |
| 27 | 22,600 | 16,600 | 19,200 | 14,000 | 2,020 | 8,430 | --- | --- | --- | --- | --- | --- |
| 28 | 22,100 | 14,600 | 18,000 | 12,200 | 2,170 | 7,510 | --- | --- | --- | --- | --- | --- |
| 29 | 22,100 | 13,700 | 17,700 | 11,700 | 280 | 5,090 | --- | --- | --- | --- | --- | --- |
| 30 | 22,400 | 13,600 | 17,500 | 12,100 | 1,320 | 6,870 | --- | --- | --- | --- | --- | --- |
| 31 | 20,100 | 11,700 | 16,000 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MONTH | --- | --- | --- | 26,600 | 280 | 14,800 | --- | --- | --- | --- | --- | --- |

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

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 |
|-------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | | | | | | | | | | |
| 1 | 4,880 | 680 | 1,630 | 2,950 | 90 | 465 | 11,400 | 260 | 5,920 | 11,000 | 100 | 4,060 |
| 2 | 11,400 | 540 | 3,170 | 2,050 | 90 | 476 | 15,700 | 210 | 6,450 | 15,100 | 140 | 6,580 |
| 3 | --- | --- | --- | 4,950 | 80 | 960 | 16,600 | 1,630 | 10,100 | 19,100 | 240 | 8,680 |
| 4 | 18,700 | 4,560 | 11,000 | 4,610 | 80 | 1,130 | 21,000 | 3,910 | 13,200 | 18,200 | 450 | 8,520 |
| 5 | 16,000 | 1,400 | 9,880 | 3,280 | 80 | 606 | 23,900 | 9,080 | 16,100 | 14,900 | 560 | 7,030 |
| 6 | 15,200 | 3,770 | 10,200 | 1,530 | 80 | 383 | 21,400 | 5,780 | 14,400 | 11,400 | 320 | 5,450 |
| 7 | 14,800 | 6,580 | 10,700 | 820 | 80 | 239 | 20,800 | 4,730 | 14,000 | 15,900 | 300 | 8,210 |
| 8 | 14,700 | 6,560 | 10,300 | 1,750 | 80 | 449 | 19,500 | 6,750 | 13,800 | 18,200 | 1,720 | 10,400 |
| 9 | 11,300 | 480 | 6,020 | 9,700 | 80 | 1,840 | 19,100 | 6,130 | 12,700 | 17,300 | 2,640 | 10,300 |
| 10 | --- | --- | --- | 16,400 | 90 | 5,370 | 18,500 | 4,000 | 12,200 | 22,000 | 850 | 10,900 |
| 11 | 11,500 | 150 | 4,310 | 15,500 | 120 | 5,460 | 15,500 | 830 | 8,260 | 24,800 | 4,120 | 15,400 |
| 12 | 13,200 | 170 | 5,480 | 12,200 | 100 | 4,180 | 10,700 | 130 | 3,440 | 23,100 | 6,950 | 15,000 |
| 13 | 12,500 | 180 | 5,570 | 8,560 | 100 | 2,390 | 10,400 | 130 | 3,110 | 19,100 | 3,370 | 11,700 |
| 14 | 16,000 | 160 | 6,350 | 13,200 | 100 | 4,080 | 17,600 | 140 | 6,130 | 16,600 | 4,900 | 11,400 |
| 15 | 12,200 | 120 | 4,220 | 15,200 | 230 | 7,040 | 7,330 | 100 | 1,160 | 17,200 | 2,650 | 11,200 |
| 16 | 14,300 | 110 | 4,650 | 18,700 | 340 | 8,810 | 3,110 | 90 | 526 | 19,400 | 3,810 | 12,400 |
| 17 | 18,000 | 150 | 5,880 | 19,100 | 760 | 9,840 | 1,060 | 80 | 205 | 18,900 | 3,200 | 12,600 |
| 18 | 24,200 | 180 | 9,450 | 19,600 | 2,790 | 12,100 | 110 | 80 | 91 | 18,300 | 4,850 | 12,800 |
| 19 | 28,300 | 3,120 | 16,300 | 16,900 | 4,660 | 12,700 | 110 | 80 | 88 | 14,900 | 2,930 | 9,860 |
| 20 | 24,800 | 1,320 | 13,900 | 14,500 | 680 | 7,860 | 100 | 80 | 86 | 16,800 | 3,030 | 10,800 |
| 21 | 22,600 | 4,250 | 14,100 | 15,400 | 2,870 | 9,400 | 100 | 80 | 88 | 18,400 | 3,720 | 11,800 |
| 22 | 18,600 | 1,840 | 12,400 | 13,500 | 2,660 | 7,250 | 100 | 80 | 90 | 16,600 | 4,050 | 10,900 |
| 23 | 17,300 | 4,910 | 12,300 | 11,500 | 230 | 4,820 | 110 | 80 | 93 | 13,900 | 2,510 | 8,890 |
| 24 | 17,400 | 7,190 | 12,200 | 9,420 | 150 | 3,870 | 120 | 80 | 99 | 15,400 | 4,350 | 9,810 |
| 25 | 16,500 | 5,800 | 10,800 | 8,160 | 140 | 3,130 | 110 | 80 | 94 | 16,200 | 2,340 | 9,940 |
| 26 | 15,000 | 3,120 | 9,010 | 12,000 | 150 | 4,690 | 110 | 80 | 95 | 22,500 | 5,530 | 13,900 |
| 27 | 15,100 | 2,580 | 8,910 | 13,900 | 410 | 6,360 | 390 | 90 | 124 | 22,800 | 4,340 | 13,700 |
| 28 | 16,100 | 2,770 | 9,050 | 12,800 | 340 | 6,230 | 2,560 | 90 | 531 | 22,300 | 650 | 10,900 |
| 29 | 13,600 | 990 | 6,740 | 7,990 | 120 | 2,720 | 4,230 | 90 | 1,200 | 20,500 | 1,610 | 11,100 |
| 30 | 7,530 | 110 | 2,020 | 12,300 | 270 | 5,500 | 5,690 | 90 | 1,650 | 18,900 | 690 | 10,000 |
| 31 | 2,110 | 100 | 440 | --- | --- | --- | 7,260 | 90 | 2,690 | 21,400 | 690 | 11,200 |
| MONTH | --- | --- | --- | 19,600 | 80 | 4,680 | 23,900 | 80 | 4,800 | 24,800 | 100 | 10,500 |
| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| | | | | | | | | | | | | |
| 1 | 22,500 | 3,120 | 13,400 | 10,400 | 100 | 2,370 | 27,200 | 16,000 | 21,900 | 21,600 | 3,360 | 14,300 |
| 2 | 26,100 | 4,290 | 16,800 | 6,100 | 100 | 1,140 | 24,800 | 13,500 | 19,300 | 14,800 | 1,350 | 9,190 |
| 3 | 28,900 | 7,410 | 17,800 | 3,330 | 90 | 685 | 21,900 | 12,400 | 17,800 | 10,500 | 154 | 4,850 |
| 4 | 23,500 | 1,480 | 13,000 | 2,130 | 90 | 648 | 20,700 | 11,800 | 17,000 | 5,090 | 115 | 1,440 |
| 5 | 19,400 | 2,730 | 12,100 | 680 | 90 | 207 | 19,600 | 8,720 | 15,100 | 4,310 | 115 | 1,230 |
| 6 | 17,800 | 4,530 | 11,200 | 150 | 100 | 121 | 19,300 | 10,900 | 15,100 | 2,440 | 100 | 463 |
| 7 | 12,700 | 2,380 | 7,020 | 120 | 100 | 112 | 18,900 | 8,790 | 13,900 | 293 | 103 | 137 |
| 8 | 8,400 | 160 | 3,010 | 120 | 100 | 115 | 18,100 | 9,620 | 13,200 | 135 | 85 | 112 |
| 9 | 5,910 | 240 | 2,770 | 430 | 110 | 130 | 17,400 | 9,360 | 13,100 | 118 | 87 | 105 |
| 10 | 5,220 | 250 | 2,240 | 6,720 | 110 | 756 | 19,200 | 9,600 | 14,000 | 111 | 78 | 99 |
| 11 | 4,320 | 210 | 1,790 | 12,100 | 300 | 5,250 | 17,700 | 5,970 | 12,000 | 123 | 78 | 96 |
| 12 | 3,480 | 180 | 1,510 | 12,000 | 300 | 5,300 | 15,900 | 7,320 | 11,200 | 116 | 80 | 96 |
| 13 | 5,270 | 150 | 1,950 | 8,200 | 150 | 3,580 | 13,400 | 6,600 | 9,070 | 300 | 80 | 114 |
| 14 | 7,240 | 130 | 2,220 | 7,250 | 150 | 3,490 | 9,360 | 1,860 | 5,040 | 740 | 90 | 256 |
| 15 | 6,430 | 130 | 1,950 | 9,630 | 170 | 4,010 | 11,100 | 270 | 4,370 | 2,110 | 90 | 578 |
| 16 | 9,560 | 130 | 2,530 | 10,000 | 190 | 5,230 | 12,800 | 459 | 5,940 | 4,600 | 100 | 1,310 |
| 17 | 11,700 | 130 | 4,090 | 9,400 | 900 | 5,190 | 8,620 | 219 | 3,730 | 7,200 | 130 | 2,320 |
| 18 | 9,700 | 120 | 3,100 | 10,800 | 830 | 5,730 | 4,180 | 169 | 1,240 | 8,680 | 260 | 3,520 |
| 19 | 5,760 | 120 | 1,940 | 8,670 | 1,140 | 4,720 | 1,610 | 138 | 362 | 11,800 | 1,260 | 5,230 |
| 20 | 1,740 | 120 | 506 | 7,700 | 1,340 | 4,230 | 435 | 138 | 188 | 11,800 | 690 | 6,030 |
| 21 | 330 | 110 | 151 | 5,880 | 1,510 | 3,340 | 207 | 138 | 166 | 11,900 | 1,050 | 6,830 |
| 22 | 140 | 100 | 116 | 7,260 | 220 | 2,240 | 295 | 118 | 164 | 14,100 | 3,710 | 8,760 |
| 23 | 120 | 100 | 115 | 7,390 | 460 | 3,380 | 413 | 118 | 200 | 15,200 | 4,750 | 9,480 |
| 24 | 890 | 100 | 134 | 7,940 | 160 | 3,070 | 1,560 | 127 | 382 | 14,700 | 5,560 | 9,940 |
| 25 | 5,710 | 110 | 1,280 | 6,190 | 170 | 2,840 | 7,470 | 166 | 2,520 | 15,400 | 5,720 | 10,400 |
| 26 | 15,900 | 110 | 4,500 | 7,460 | 200 | 3,320 | 14,000 | 1,510 | 6,560 | 16,400 | 6,530 | 11,500 |
| 27 | 27,100 | 490 | 13,000 | 12,000 | 1,550 | 6,110 | 19,900 | 1,680 | 9,200 | 18,700 | 7,210 | 13,100 |
| 28 | 28,400 | 430 | 11,500 | 17,700 | 3,680 | 10,700 | 25,200 | 3,870 | 14,500 | 20,000 | 10,400 | 14,900 |
| 29 | 23,400 | 100 | 6,320 | 31,800 | 12,900 | 22,100 | 26,800 | 9,260 | 17,100 | 20,300 | 8,420 | 14,700 |
| 30 | --- | --- | --- | 34,500 | 19,100 | 27,400 | 25,400 | 3,910 | 15,200 | 20,900 | 12,000 | 16,300 |
| 31 | --- | --- | --- | 34,300 | 19,400 | 26,400 | --- | --- | --- | 20,500 | 11,400 | 16,400 |
| MONTH | 28,900 | 100 | 5,450 | 34,500 | 90 | 5,290 | 27,200 | 118 | 9,320 | 21,600 | 78 | 5,930 |

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

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

| DAY | JUNE | | | JULY | | | AUGUST | | | SEPTEMBER | | |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|-------|-------|
| | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| 1 | 19,300 | 11,100 | 15,600 | 19,100 | 8,940 | 14,600 | 22,500 | 12,500 | 17,200 | 550 | 110 | 203 |
| 2 | 20,000 | 11,800 | 15,600 | 18,700 | 6,130 | 13,100 | 21,800 | 12,400 | 16,200 | 170 | 110 | 141 |
| 3 | 19,900 | 10,700 | 15,500 | 17,300 | 6,570 | 12,200 | 20,300 | 11,000 | 15,300 | 140 | 110 | 126 |
| 4 | 20,300 | 12,200 | 15,900 | 18,200 | 6,430 | 12,400 | 21,000 | 10,800 | 15,400 | 130 | 100 | 117 |
| 5 | 21,300 | 11,500 | 16,200 | 19,400 | 6,170 | 12,700 | 20,400 | 11,300 | 15,100 | 480 | 100 | 137 |
| 6 | 22,400 | 14,200 | 17,700 | 18,100 | 6,180 | 12,500 | 20,400 | 6,080 | 13,600 | 8,540 | 110 | 1,120 |
| 7 | 23,600 | 13,600 | 18,100 | 20,100 | 8,620 | 14,400 | 28,500 | 9,120 | 18,700 | 16,500 | 100 | 3,280 |
| 8 | 21,600 | 11,900 | 16,900 | 20,100 | 9,630 | 15,100 | 27,100 | 8,480 | 18,600 | 8,460 | 90 | 2,210 |
| 9 | 20,300 | 11,600 | 15,800 | 21,000 | 9,610 | 15,300 | 26,400 | 3,920 | 16,300 | 980 | 90 | 192 |
| 10 | 21,600 | 10,900 | 16,300 | 22,500 | 7,870 | 15,500 | 26,900 | 6,330 | 17,400 | 770 | 80 | 169 |
| 11 | 20,600 | 9,820 | 15,900 | 25,000 | 7,580 | 16,300 | 23,700 | 7,940 | 17,200 | 380 | 80 | 120 |
| 12 | 20,600 | 6,100 | 15,200 | 26,500 | 7,840 | 17,400 | 23,500 | 6,810 | 16,300 | 1,230 | 80 | 214 |
| 13 | 22,800 | 11,900 | 17,400 | 26,400 | 10,000 | 18,300 | 20,400 | 390 | 12,500 | 690 | 80 | 202 |
| 14 | 21,800 | 9,470 | 16,700 | 24,000 | 9,920 | 17,900 | 16,800 | 390 | 7,900 | 470 | 80 | 122 |
| 15 | 20,700 | 8,390 | 15,500 | 24,500 | 11,100 | 18,000 | 10,800 | 120 | 2,610 | 110 | 80 | 90 |
| 16 | 18,500 | 5,820 | 13,200 | 22,800 | 9,480 | 17,600 | 4,450 | 100 | 518 | 100 | 80 | 89 |
| 17 | 18,900 | 6,640 | 13,100 | 23,800 | 12,500 | 18,000 | 610 | 90 | 146 | 110 | 80 | 95 |
| 18 | 20,300 | 8,770 | 14,000 | 24,300 | 8,810 | 17,100 | 130 | 90 | 114 | 100 | 80 | 89 |
| 19 | 22,700 | 10,600 | 15,700 | 22,400 | 9,610 | 16,900 | 130 | 80 | 103 | 100 | 70 | 86 |
| 20 | 25,900 | 10,500 | 18,200 | 22,800 | 9,930 | 17,000 | 120 | 80 | 92 | 17,700 | 80 | 2,560 |
| 21 | 27,500 | 13,800 | 20,800 | 23,400 | 11,100 | 18,100 | 100 | 70 | 88 | 23,300 | 90 | 8,460 |
| 22 | 27,300 | 13,000 | 20,200 | 24,100 | 12,000 | 18,800 | 100 | 70 | 85 | 18,300 | 130 | 7,800 |
| 23 | 24,400 | 10,700 | 17,600 | 24,500 | 14,000 | 19,500 | 100 | 80 | 89 | 11,000 | 90 | 4,260 |
| 24 | 22,300 | 7,460 | 15,900 | 23,600 | 10,200 | 18,300 | 110 | 80 | 94 | 12,000 | 110 | 4,200 |
| 25 | 24,000 | 9,580 | 17,600 | 24,900 | 5,460 | 17,400 | 900 | 80 | 192 | 13,500 | 200 | 5,480 |
| 26 | 23,300 | 11,900 | 17,700 | 25,400 | 8,960 | 19,000 | 6,920 | 90 | 1,280 | 14,000 | 330 | 6,440 |
| 27 | 23,200 | 11,200 | 17,800 | 24,400 | 10,900 | 19,400 | 6,850 | 90 | 1,760 | 13,600 | 2,480 | 7,710 |
| 28 | 23,400 | 9,860 | 17,600 | 22,900 | 9,550 | 18,300 | 7,420 | 110 | 2,250 | 12,700 | 5,570 | 7,850 |
| 29 | 21,300 | 8,030 | 16,000 | 21,000 | 6,060 | 15,900 | 7,550 | 260 | 2,940 | 8,300 | 310 | 3,890 |
| 30 | 20,200 | 9,560 | 15,700 | 22,200 | 7,520 | 15,300 | 6,790 | 140 | 2,350 | 8,680 | 260 | 3,950 |
| 31 | --- | --- | --- | 22,300 | 11,500 | 16,800 | 2,150 | 110 | 524 | --- | --- | --- |
| MONTH | 27,500 | 5,820 | 16,500 | 26,500 | 5,460 | 16,400 | 28,500 | 70 | 7,510 | 23,300 | 70 | 2,380 |

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, 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 |
|-------|----------|------|------|-------|------|------|-------|------|------|------|------|------|
| | | | | | | | | | | | | |
| 1 | 2.0 | 0.3 | 0.7 | 0.8 | 0.03 | 0.2 | 4.2 | 0.10 | 2.1 | 3.3 | 0.04 | 1.1 |
| 2 | 5.0 | 0.2 | 1.3 | 0.8 | 0.03 | 0.2 | 5.9 | 0.07 | 2.1 | 4.9 | 0.05 | 1.9 |
| 3 | --- | --- | --- | 1.6 | 0.02 | 0.3 | 7.4 | 0.5 | 3.9 | 5.7 | 0.09 | 2.6 |
| 4 | 8.3 | 2.1 | 4.9 | 1.6 | 0.02 | 0.4 | 9.6 | 1.5 | 5.4 | 5.8 | 0.1 | 2.7 |
| 5 | 7.7 | 0.4 | 4.5 | 0.9 | 0.02 | 0.2 | 10.8 | 4.2 | 7.3 | 5.7 | 0.2 | 2.9 |
| 6 | 7.7 | 1.5 | 4.9 | 0.6 | 0.02 | 0.1 | 10 | 2.4 | 6.1 | 4.4 | 0.1 | 1.9 |
| 7 | 7.8 | 3.1 | 5.5 | 0.3 | 0.02 | 0.08 | 11.1 | 1.7 | 6.2 | 6.9 | 0.10 | 3.1 |
| 8 | 7.7 | 3.2 | 5.3 | 0.7 | 0.02 | 0.2 | 10.2 | 2.9 | 6.6 | 7.6 | 0.6 | 4.3 |
| 9 | 5.8 | 0.2 | 2.7 | 2.6 | 0.02 | 0.4 | 10.0 | 2.8 | 6.1 | 8.9 | 1.0 | 4.7 |
| 10 | --- | --- | --- | 6.7 | 0.03 | 1.6 | 9.7 | 1.6 | 5.9 | 9.2 | 0.4 | 4.4 |
| 11 | 5.1 | 0.06 | 1.6 | 6.1 | 0.04 | 1.6 | 8.0 | 0.2 | 3.6 | 11.3 | 1.4 | 6.5 |
| 12 | 5.6 | 0.07 | 2.1 | 4.0 | 0.03 | 1.3 | 3.7 | 0.05 | 1.0 | 10.1 | 3.3 | 6.7 |
| 13 | 5.5 | 0.07 | 2.1 | 2.5 | 0.03 | 0.6 | 2.5 | 0.05 | 0.8 | 8.1 | 1.5 | 4.8 |
| 14 | 5.6 | 0.06 | 2.3 | 3.5 | 0.03 | 1.0 | 4.5 | 0.05 | 1.4 | 7.6 | 2.2 | 4.9 |
| 15 | 5.5 | 0.05 | 1.4 | 6.3 | 0.08 | 2.0 | 1.7 | 0.04 | 0.2 | 9.0 | 1.1 | 5.1 |
| 16 | 4.4 | 0.05 | 1.2 | 6.1 | 0.1 | 2.4 | 0.9 | 0.03 | 0.1 | 8.7 | 1.6 | 5.3 |
| 17 | 4.5 | 0.06 | 1.3 | 6.8 | 0.2 | 3.0 | 0.4 | 0.03 | 0.07 | 9.0 | 1.3 | 5.7 |
| 18 | 7.0 | 0.07 | 2.0 | 8.7 | 0.7 | 4.7 | 0.04 | 0.03 | 0.03 | 10.2 | 2.2 | 6.3 |
| 19 | 10.3 | 0.8 | 5.0 | 8.8 | 2.3 | 6.2 | 0.04 | 0.03 | 0.03 | 7.4 | 1.4 | 4.7 |
| 20 | 9.0 | 0.2 | 4.9 | 7.2 | 0.3 | 3.3 | 0.04 | 0.03 | 0.03 | 9.0 | 1.2 | 5.2 |
| 21 | 10.8 | 1.5 | 5.7 | 8.0 | 1.0 | 4.6 | 0.04 | 0.03 | 0.03 | 10 | 1.8 | 6.0 |
| 22 | 9.5 | 0.6 | 5.7 | 7.0 | 1.0 | 3.5 | 0.04 | 0.03 | 0.03 | 8.6 | 2.1 | 5.6 |
| 23 | 9.9 | 1.9 | 6.2 | 5.6 | 0.08 | 2.3 | 0.04 | 0.03 | 0.03 | 7.2 | 1.0 | 4.4 |
| 24 | 9.5 | 3.7 | 6.4 | 4.6 | 0.05 | 1.8 | 0.04 | 0.03 | 0.04 | 7.6 | 2.0 | 4.6 |
| 25 | 8.8 | 2.7 | 5.6 | 3.7 | 0.05 | 1.4 | 0.04 | 0.03 | 0.04 | 7.8 | 0.9 | 4.6 |
| 26 | 7.8 | 1.4 | 4.7 | 5.5 | 0.06 | 2.1 | 0.04 | 0.03 | 0.04 | 10.5 | 2.5 | 6.2 |
| 27 | 8.3 | 1.0 | 4.6 | 6.2 | 0.2 | 2.8 | 0.2 | 0.03 | 0.05 | 10.1 | 1.8 | 5.2 |
| 28 | 8.3 | 1.2 | 4.6 | 6.0 | 0.1 | 2.8 | 1.0 | 0.03 | 0.2 | 9.0 | 0.2 | 3.2 |
| 29 | 6.8 | 0.4 | 3.2 | 2.9 | 0.04 | 1.0 | 1.7 | 0.04 | 0.4 | 7.7 | 0.3 | 3.4 |
| 30 | 2.9 | 0.05 | 0.7 | 5.1 | 0.10 | 2.1 | 2.7 | 0.04 | 0.5 | 6.1 | 0.2 | 3.2 |
| 31 | 0.9 | 0.03 | 0.2 | --- | --- | --- | 2.1 | 0.04 | 0.8 | 8.0 | 0.2 | 3.5 |
| MONTH | --- | --- | --- | 8.8 | 0.02 | 1.8 | 11.1 | 0.03 | 2.0 | 11.3 | 0.04 | 4.3 |
| | FEBRUARY | | | MARCH | | | APRIL | | | MAY | | |
| | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| 1 | 8.9 | 0.8 | 4.3 | 2.7 | 0.03 | 0.4 | 14.7 | 8.2 | 11.2 | 11.3 | 5.7 | 8.4 |
| 2 | 12.7 | 1.2 | 6.1 | 1.1 | 0.03 | 0.3 | 13.5 | 6.8 | 9.8 | 8.4 | 0.9 | 5.2 |
| 3 | 11.9 | 2.7 | 7.5 | 0.9 | 0.03 | 0.2 | 12.4 | 5.9 | 9.4 | 5.9 | 0.07 | 2.4 |
| 4 | 9.8 | 0.4 | 4.5 | 0.8 | 0.03 | 0.2 | 11.7 | 6.5 | 9.3 | 2.9 | 0.05 | 0.6 |
| 5 | 9.6 | 0.8 | 4.8 | 0.3 | 0.03 | 0.07 | 11.1 | 4.8 | 8.2 | 2.3 | 0.06 | 0.6 |
| 6 | 8.0 | 2.0 | 5.1 | 0.05 | 0.03 | 0.04 | 10.9 | 6.0 | 8.3 | 1.3 | 0.05 | 0.2 |
| 7 | 5.4 | 0.9 | 2.9 | 0.04 | 0.03 | 0.04 | 10.7 | 4.8 | 7.6 | 0.1 | 0.05 | 0.06 |
| 8 | 2.8 | 0.06 | 1.3 | 0.04 | 0.03 | 0.04 | 9.6 | 5.4 | 7.2 | 0.06 | 0.04 | 0.05 |
| 9 | 2.5 | 0.09 | 1.2 | 0.1 | 0.04 | 0.04 | 9.5 | 5.1 | 6.9 | 0.05 | 0.04 | 0.05 |
| 10 | 2.2 | 0.10 | 0.9 | 2.9 | 0.04 | 0.3 | 10.1 | 4.9 | 7.5 | 0.05 | 0.04 | 0.04 |
| 11 | 1.7 | 0.07 | 0.7 | 4.3 | 0.08 | 1.9 | 9.8 | 3.2 | 6.2 | 0.05 | 0.04 | 0.04 |
| 12 | 1.4 | 0.06 | 0.6 | 5.2 | 0.09 | 2.3 | 7.6 | 3.5 | 5.7 | 0.05 | 0.04 | 0.04 |
| 13 | 1.9 | 0.05 | 0.7 | 3.5 | 0.06 | 1.4 | 6.8 | 2.4 | 4.7 | 0.1 | 0.03 | 0.05 |
| 14 | 2.6 | 0.04 | 0.7 | 3.6 | 0.06 | 1.3 | --- | --- | --- | 0.3 | 0.04 | 0.1 |
| 15 | 2.5 | 0.04 | 0.7 | 3.2 | 0.06 | 1.5 | --- | --- | --- | 1.0 | 0.04 | 0.2 |
| 16 | 2.3 | 0.04 | 0.7 | 4.5 | 0.07 | 2.2 | 5.9 | 0.2 | 2.5 | 2.0 | 0.04 | 0.5 |
| 17 | 3.7 | 0.04 | 1.4 | 4.5 | 0.3 | 2.3 | 3.6 | 0.09 | 1.6 | 3.0 | 0.06 | 1.0 |
| 18 | 4.1 | 0.04 | 1.1 | 5.0 | 0.3 | 2.6 | 2.4 | 0.07 | 0.6 | 4.0 | 0.1 | 1.6 |
| 19 | 2.6 | 0.04 | 0.8 | 3.8 | 0.5 | 2.1 | 0.8 | 0.06 | 0.2 | 4.7 | 0.4 | 2.3 |
| 20 | 0.7 | 0.04 | 0.2 | 3.6 | 0.6 | 2.0 | 0.2 | 0.06 | 0.08 | 5.2 | 0.3 | 2.6 |
| 21 | 0.1 | 0.04 | 0.05 | 3.0 | 0.7 | 1.6 | 0.09 | 0.06 | 0.07 | 5.3 | 0.5 | 2.8 |
| 22 | 0.05 | 0.04 | 0.04 | 3.1 | 0.09 | 1.0 | 0.1 | 0.05 | 0.07 | 6.1 | 1.7 | 3.8 |
| 23 | 0.04 | 0.04 | 0.04 | 3.4 | 0.2 | 1.4 | 0.2 | 0.05 | 0.08 | 6.4 | 2.3 | 4.3 |
| 24 | 0.3 | 0.04 | 0.04 | 3.3 | 0.06 | 1.2 | 0.5 | 0.05 | 0.1 | 7.3 | 2.7 | 4.5 |
| 25 | 1.4 | 0.04 | 0.4 | 2.5 | 0.07 | 1.1 | 2.4 | 0.07 | 0.9 | 6.8 | 2.8 | 4.6 |
| 26 | 4.0 | 0.04 | 0.9 | 2.8 | 0.08 | 1.1 | 4.2 | 0.7 | 2.4 | 7.3 | 3.1 | 4.7 |
| 27 | 10.5 | 0.1 | 3.3 | 4.5 | 0.5 | 2.1 | 7.1 | 0.8 | 3.0 | 7.0 | 3.1 | 5.2 |
| 28 | 10.8 | 0.10 | 2.8 | 6.2 | 1.3 | 3.2 | 13.4 | 1.9 | 5.5 | 8.4 | 4.7 | 6.6 |
| 29 | 5.4 | 0.04 | 0.9 | 15.1 | 2.5 | 8.6 | 11.1 | 4.6 | 8.1 | 9.3 | 4.2 | 6.9 |
| 30 | --- | --- | --- | 19.6 | 6.5 | 12.2 | 11.3 | 3.6 | 7.8 | 10.7 | 6.3 | 8.5 |
| 31 | --- | --- | --- | 18.0 | 9.4 | 13.1 | --- | --- | --- | 11.3 | 6.1 | 8.8 |
| MONTH | 12.7 | 0.04 | 1.9 | 19.6 | 0.03 | 2.2 | --- | --- | --- | 11.3 | 0.03 | 2.8 |

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

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

| DAY | JUNE | | | JULY | | | AUGUST | | | SEPTEMBER | | |
|-------|------|-----|------|------|-----|------|--------|------|------|-----------|------|------|
| | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| 1 | 11.0 | 5.3 | 8.4 | 10.8 | 4.5 | 7.9 | 12.7 | 7.0 | 9.6 | 0.2 | 0.04 | 0.08 |
| 2 | 11.3 | 6.4 | 8.6 | 10.5 | 2.8 | 6.9 | 12.1 | 5.7 | 8.9 | 0.07 | 0.04 | 0.06 |
| 3 | 11.1 | 5.7 | 8.5 | 9.5 | 3.5 | 6.5 | 11.0 | 5.7 | 8.1 | 0.06 | 0.04 | 0.05 |
| 4 | 11.2 | 6.7 | 8.7 | 9.8 | 3.4 | 6.6 | 11.1 | 5.9 | 8.1 | 0.05 | 0.04 | 0.05 |
| 5 | 11.9 | 6.1 | 8.7 | 10.8 | 3.4 | 6.7 | 11.3 | 6.1 | 8.1 | 0.1 | 0.04 | 0.05 |
| 6 | 12.2 | 7.4 | 9.6 | 9.8 | 3.4 | 6.5 | 10.2 | 2.9 | 6.4 | 0.9 | 0.04 | 0.2 |
| 7 | 12.8 | 7.3 | 9.7 | 10.2 | 4.7 | 7.5 | 13.4 | 4.3 | 8.1 | 3.0 | 0.04 | 0.7 |
| 8 | 11.5 | 6.4 | 9.0 | 10.7 | 5.0 | 7.8 | 13.1 | 3.4 | 8.1 | 2.0 | 0.04 | 0.6 |
| 9 | 11.2 | 6.2 | 8.3 | 10.7 | 4.7 | 7.8 | 13.0 | 1.1 | 6.2 | 0.5 | 0.04 | 0.08 |
| 10 | 11.4 | 5.4 | 8.3 | 10.2 | 3.7 | 7.1 | 12.8 | 2.0 | 6.6 | 0.3 | 0.04 | 0.07 |
| 11 | 11.7 | 4.9 | 8.3 | 10.9 | 3.4 | 7.2 | 11.9 | 3.2 | 7.7 | 0.2 | 0.04 | 0.05 |
| 12 | 10.6 | 2.8 | 7.5 | 12.1 | 3.1 | 7.6 | 10.7 | 2.7 | 7.4 | 0.5 | 0.03 | 0.08 |
| 13 | 12.2 | 6.1 | 8.8 | 11.9 | 4.4 | 8.7 | 9.5 | 0.1 | 5.0 | 0.3 | 0.03 | 0.08 |
| 14 | 11.5 | 4.6 | 8.4 | 12.4 | 4.2 | 8.8 | 5.3 | 0.1 | 2.7 | 0.2 | 0.03 | 0.05 |
| 15 | 10.1 | 3.8 | 7.6 | 12.5 | 5.1 | 9.0 | 4.9 | 0.04 | 0.8 | 0.04 | 0.03 | 0.04 |
| 16 | 9.3 | 2.4 | 6.4 | 12.5 | 4.6 | 9.0 | 1.4 | 0.04 | 0.2 | 0.04 | 0.03 | 0.04 |
| 17 | 9.5 | 2.9 | 6.3 | 12.9 | 6.2 | 9.5 | 0.3 | 0.04 | 0.06 | 0.04 | 0.03 | 0.04 |
| 18 | 9.8 | 4.2 | 7.0 | 12.8 | 4.1 | 8.7 | 0.05 | 0.04 | 0.04 | 0.04 | 0.03 | 0.04 |
| 19 | 11.6 | 5.2 | 7.8 | 12.3 | 4.4 | 8.5 | 0.05 | 0.03 | 0.04 | 0.04 | 0.03 | 0.04 |
| 20 | 11.9 | 4.9 | 8.7 | 11.3 | 4.6 | 8.3 | 0.04 | 0.03 | 0.04 | 5.0 | 0.03 | 0.7 |
| 21 | 13.5 | 7.0 | 10.2 | 12.5 | 5.3 | 9.1 | 0.04 | 0.03 | 0.03 | 9.6 | 0.04 | 2.6 |
| 22 | 13.6 | 6.1 | 10.0 | 13.5 | 5.6 | 9.8 | 0.04 | 0.03 | 0.03 | 6.1 | 0.04 | 2.6 |
| 23 | 11.6 | 4.8 | 8.2 | 13.3 | 7.2 | 10.5 | 0.04 | 0.03 | 0.03 | 4.7 | 0.03 | 1.5 |
| 24 | 11.7 | 2.9 | 7.1 | 12.9 | 4.7 | 9.1 | 0.05 | 0.03 | 0.04 | 5.2 | 0.04 | 1.7 |
| 25 | 11.4 | 4.4 | 8.5 | 12.7 | 2.2 | 8.2 | 0.4 | 0.03 | 0.08 | 5.5 | 0.07 | 2.3 |
| 26 | 11.2 | 6.1 | 9.1 | 14.0 | 3.8 | 9.4 | 2.6 | 0.04 | 0.5 | 6.5 | 0.1 | 2.8 |
| 27 | 12.7 | 5.5 | 8.9 | 14.2 | 5.4 | 10.5 | 2.9 | 0.04 | 0.8 | 6.8 | 0.9 | 3.6 |
| 28 | 12.1 | 4.8 | 9.0 | 13.2 | 4.5 | 10.1 | 3.1 | 0.04 | 1.0 | 6.4 | 2.7 | 3.9 |
| 29 | 11.5 | 3.8 | 8.1 | 12.0 | 2.6 | 8.2 | 3.4 | 0.1 | 1.4 | 3.9 | 0.1 | 1.9 |
| 30 | 11.3 | 4.7 | 8.4 | 12.3 | 3.4 | 7.9 | 3.6 | 0.06 | 1.1 | 4.1 | 0.1 | 1.8 |
| 31 | --- | --- | --- | 12.8 | 5.9 | 9.3 | 1.0 | 0.04 | 0.2 | --- | --- | --- |
| MONTH | 13.6 | 2.4 | 8.4 | 14.2 | 2.2 | 8.3 | 13.4 | 0.03 | 3.5 | 9.6 | 0.03 | 0.9 |

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, 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 |
|-------|------|------|------|------|------|------|-----|-----|------|-----|-----|------|
| | | | | | | | | | | | | |
| 1 | 5.0 | 1.0 | 2.6 | 11.7 | 4.9 | 8.5 | 6.2 | 1.1 | 3.4 | --- | --- | --- |
| 2 | 4.2 | 1.2 | 2.3 | 12.7 | 6.4 | 9.6 | --- | --- | --- | --- | --- | --- |
| 3 | 2.8 | 0.3 | 1.5 | 13.4 | 7.1 | 9.6 | --- | --- | --- | --- | --- | --- |
| 4 | 3.4 | 0.4 | 1.4 | 14.4 | 8.1 | 11.1 | --- | --- | --- | --- | --- | --- |
| 5 | 4.5 | 0.2 | 1.5 | 15.5 | 5.5 | 10.4 | --- | --- | --- | --- | --- | --- |
| 6 | 8.8 | 0.2 | 2.6 | 14.7 | 9.8 | 12.6 | --- | --- | --- | --- | --- | --- |
| 7 | 11.3 | 1.7 | 4.8 | 14.9 | 9.1 | 11.9 | --- | --- | --- | --- | --- | --- |
| 8 | 15.5 | 4.2 | 7.6 | 13.7 | 7.6 | 11.4 | --- | --- | --- | --- | --- | --- |
| 9 | --- | --- | --- | 15.1 | 8.5 | 12.2 | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | 16.3 | 10.3 | 13.3 | --- | --- | --- | --- | --- | --- |
| 11 | 14.3 | 8.2 | 11.7 | 15.9 | 10.5 | 13.4 | --- | --- | --- | --- | --- | --- |
| 12 | 14.0 | 10.3 | 12.1 | 15.9 | 10.8 | 13.5 | --- | --- | --- | --- | --- | --- |
| 13 | 13.4 | 10.7 | 11.9 | 14.0 | 7.9 | 11.5 | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | 14.7 | 6.5 | 11.2 | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | 15.4 | 8.3 | 11.9 | --- | --- | --- | --- | --- | --- |
| 16 | 11.1 | 6.8 | 9.0 | 14.3 | 8.2 | 11.4 | --- | --- | --- | --- | --- | --- |
| 17 | 9.5 | 4.6 | 7.3 | 12.8 | 6.5 | 9.7 | --- | --- | --- | --- | --- | --- |
| 18 | 10 | 4.1 | 6.8 | 11.1 | 5.0 | 7.8 | --- | --- | --- | --- | --- | --- |
| 19 | 9.1 | 3.6 | 6.5 | 8.6 | 4.1 | 6.5 | --- | --- | --- | --- | --- | --- |
| 20 | 9.7 | 2.2 | 6.0 | 7.6 | 3.4 | 5.6 | --- | --- | --- | --- | --- | --- |
| 21 | 12.1 | 4.3 | 7.8 | 7.1 | 2.4 | 5.0 | --- | --- | --- | --- | --- | --- |
| 22 | 14.7 | 7.9 | 10.7 | 8.5 | 2.5 | 5.7 | --- | --- | --- | --- | --- | --- |
| 23 | 15.9 | 10.2 | 12.6 | 8.7 | 4.0 | 6.3 | --- | --- | --- | --- | --- | --- |
| 24 | 15.5 | 11.7 | 13.4 | 9.1 | 3.2 | 6.2 | --- | --- | --- | --- | --- | --- |
| 25 | 14.8 | 11.2 | 12.9 | 8.3 | 4.0 | 5.4 | --- | --- | --- | --- | --- | --- |
| 26 | 13.9 | 10.4 | 12.0 | 6.6 | 0.4 | 3.7 | --- | --- | --- | --- | --- | --- |
| 27 | 13.6 | 9.7 | 11.4 | 8.1 | 1.0 | 4.7 | --- | --- | --- | --- | --- | --- |
| 28 | 13.3 | 8.5 | 10.6 | 7.0 | 1.1 | 4.2 | --- | --- | --- | --- | --- | --- |
| 29 | 13.3 | 7.9 | 10.4 | 6.7 | 0.1 | 2.8 | --- | --- | --- | --- | --- | --- |
| 30 | 13.5 | 7.8 | 10.3 | 6.9 | 0.6 | 3.8 | --- | --- | --- | --- | --- | --- |
| 31 | 12.0 | 6.7 | 9.4 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MONTH | --- | --- | --- | 16.3 | 0.1 | 8.7 | --- | --- | --- | --- | --- | --- |

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

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 |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| | | | | | | | | | | | | |
| 1 | 2.6 | 0.3 | 0.8 | 1.5 | 0.04 | 0.2 | 6.5 | 0.1 | 3.2 | 6.2 | 0.04 | 2.2 |
| 2 | 6.5 | 0.2 | 1.7 | 1.0 | 0.04 | 0.2 | 9.1 | 0.09 | 3.6 | 8.8 | 0.06 | 3.7 |
| 3 | --- | --- | --- | 2.6 | 0.03 | 0.5 | 9.7 | 0.8 | 5.7 | 11.3 | 0.10 | 4.9 |
| 4 | 11.1 | 2.4 | 6.2 | 2.4 | 0.03 | 0.6 | 12.6 | 2.0 | 7.6 | 10.7 | 0.2 | 4.8 |
| 5 | 9.3 | 0.7 | 5.6 | 1.7 | 0.03 | 0.3 | 14.5 | 5.1 | 9.4 | 8.6 | 0.3 | 3.9 |
| 6 | 8.8 | 2.0 | 5.8 | 0.8 | 0.03 | 0.2 | 12.8 | 3.1 | 8.4 | 6.5 | 0.1 | 3.0 |
| 7 | 8.6 | 3.6 | 6.1 | 0.4 | 0.03 | 0.1 | 12.5 | 2.5 | 8.1 | 9.3 | 0.1 | 4.6 |
| 8 | 8.5 | 3.6 | 5.8 | 0.9 | 0.03 | 0.2 | 11.6 | 3.7 | 8.0 | 10.7 | 0.9 | 5.9 |
| 9 | 6.4 | 0.2 | 3.3 | 5.4 | 0.03 | 1.0 | 11.3 | 3.3 | 7.3 | 10.2 | 1.3 | 5.8 |
| 10 | --- | --- | --- | 9.6 | 0.04 | 3.0 | 10.9 | 2.1 | 7.0 | 13.2 | 0.4 | 6.2 |
| 11 | 6.5 | 0.06 | 2.4 | 9.0 | 0.05 | 3.0 | 9.0 | 0.4 | 4.6 | 15.1 | 2.2 | 9.0 |
| 12 | 7.6 | 0.07 | 3.0 | 7.0 | 0.04 | 2.3 | 6.1 | 0.05 | 1.9 | 14.0 | 3.8 | 8.7 |
| 13 | 7.2 | 0.07 | 3.1 | 4.8 | 0.04 | 1.3 | 5.9 | 0.05 | 1.7 | 11.3 | 1.7 | 6.7 |
| 14 | 9.3 | 0.06 | 3.5 | 7.6 | 0.04 | 2.2 | 10.3 | 0.06 | 3.4 | 9.7 | 2.6 | 6.5 |
| 15 | 7.0 | 0.05 | 2.3 | 8.8 | 0.10 | 3.9 | 4.0 | 0.04 | 0.6 | 10.1 | 1.4 | 6.4 |
| 16 | 8.3 | 0.04 | 2.6 | 11.1 | 0.1 | 5.0 | 1.6 | 0.04 | 0.3 | 11.5 | 2.0 | 7.1 |
| 17 | 10.6 | 0.06 | 3.3 | 11.3 | 0.4 | 5.6 | 0.5 | 0.03 | 0.09 | 11.2 | 1.7 | 7.3 |
| 18 | 14.7 | 0.07 | 5.5 | 11.7 | 1.4 | 6.9 | 0.04 | 0.03 | 0.04 | 10.8 | 2.6 | 7.4 |
| 19 | 17.4 | 1.6 | 9.7 | 9.9 | 2.5 | 7.3 | 0.04 | 0.03 | 0.04 | 8.6 | 1.5 | 5.6 |
| 20 | 15.1 | 0.6 | 8.1 | 8.4 | 0.3 | 4.4 | 0.04 | 0.03 | 0.03 | 9.8 | 1.6 | 6.2 |
| 21 | 13.6 | 2.2 | 8.2 | 9.0 | 1.5 | 5.3 | 0.04 | 0.03 | 0.04 | 10.9 | 1.9 | 6.8 |
| 22 | 11.0 | 0.9 | 7.1 | 7.8 | 1.4 | 4.0 | 0.04 | 0.03 | 0.04 | 9.7 | 2.1 | 6.2 |
| 23 | 10.2 | 2.6 | 7.0 | 6.5 | 0.10 | 2.6 | 0.04 | 0.03 | 0.04 | 8.0 | 1.3 | 5.0 |
| 24 | 10.2 | 3.9 | 7.0 | 5.3 | 0.06 | 2.1 | 0.05 | 0.03 | 0.04 | 9.0 | 2.3 | 5.5 |
| 25 | 9.6 | 3.1 | 6.2 | 4.5 | 0.06 | 1.7 | 0.04 | 0.03 | 0.04 | 9.5 | 1.2 | 5.6 |
| 26 | 8.7 | 1.6 | 5.0 | 6.8 | 0.06 | 2.5 | 0.04 | 0.03 | 0.04 | 13.6 | 3.0 | 8.0 |
| 27 | 8.8 | 1.3 | 5.0 | 8.0 | 0.2 | 3.5 | 0.2 | 0.04 | 0.05 | 13.8 | 2.3 | 8.0 |
| 28 | 9.4 | 1.4 | 5.1 | 7.3 | 0.1 | 3.4 | 1.3 | 0.04 | 0.3 | 13.4 | 0.3 | 6.3 |
| 29 | 7.8 | 0.5 | 3.7 | 4.4 | 0.05 | 1.4 | 2.2 | 0.04 | 0.6 | 12.3 | 0.8 | 6.3 |
| 30 | 4.1 | 0.04 | 1.1 | 7.0 | 0.1 | 3.0 | 3.1 | 0.04 | 0.8 | 11.2 | 0.3 | 5.7 |
| 31 | 1.1 | 0.04 | 0.2 | --- | --- | --- | 4.0 | 0.04 | 1.4 | 12.8 | 0.3 | 6.4 |
| MONTH | --- | --- | --- | 11.7 | 0.03 | 2.6 | 14.5 | 0.03 | 2.7 | 15.1 | 0.04 | 6.0 |
| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| | | | | | | | | | | | | |
| 1 | 13.6 | 1.6 | 7.8 | 5.9 | 0.04 | 1.3 | 16.7 | 9.3 | 13.2 | 13.0 | 1.7 | 8.3 |
| 2 | 16.0 | 2.3 | 9.9 | 3.3 | 0.04 | 0.6 | 15.1 | 7.8 | 11.5 | 8.6 | 0.7 | 5.2 |
| 3 | 17.8 | 4.1 | 10.6 | 1.7 | 0.04 | 0.3 | 13.2 | 7.1 | 10.5 | 5.9 | 0.06 | 2.6 |
| 4 | 14.2 | 0.7 | 7.5 | 1.1 | 0.04 | 0.3 | 12.4 | 6.7 | 10 | 2.7 | 0.05 | 0.7 |
| 5 | 11.5 | 1.4 | 6.9 | 0.3 | 0.04 | 0.09 | 11.7 | 4.8 | 8.8 | 2.3 | 0.05 | 0.6 |
| 6 | 10.5 | 2.4 | 6.3 | 0.06 | 0.04 | 0.05 | 11.5 | 6.2 | 8.8 | 1.2 | 0.04 | 0.2 |
| 7 | 7.3 | 1.2 | 3.9 | 0.05 | 0.04 | 0.04 | 11.2 | 4.9 | 8.1 | 0.1 | 0.04 | 0.06 |
| 8 | 4.7 | 0.06 | 1.6 | 0.05 | 0.04 | 0.05 | 10.7 | 5.4 | 7.6 | 0.05 | 0.03 | 0.04 |
| 9 | 3.2 | 0.10 | 1.4 | 0.2 | 0.04 | 0.05 | 10.2 | 5.2 | 7.5 | 0.05 | 0.03 | 0.04 |
| 10 | 2.8 | 0.1 | 1.1 | 3.7 | 0.04 | 0.4 | 11.4 | 5.4 | 8.1 | 0.04 | 0.03 | 0.04 |
| 11 | 2.3 | 0.09 | 0.9 | 6.9 | 0.1 | 2.9 | 10.4 | 3.2 | 6.9 | 0.05 | 0.03 | 0.04 |
| 12 | 1.8 | 0.07 | 0.8 | 6.8 | 0.1 | 2.9 | 9.3 | 4.0 | 6.3 | 0.05 | 0.03 | 0.04 |
| 13 | 2.8 | 0.06 | 1.00 | 4.5 | 0.06 | 1.9 | 7.7 | 3.6 | 5.1 | 0.1 | 0.03 | 0.05 |
| 14 | 4.0 | 0.05 | 1.2 | 4.0 | 0.06 | 1.8 | 5.2 | 0.9 | 2.7 | 0.3 | 0.04 | 0.1 |
| 15 | 3.5 | 0.05 | 1.0 | 5.4 | 0.07 | 2.1 | 6.3 | 0.1 | 2.4 | 1.1 | 0.04 | 0.3 |
| 16 | 5.4 | 0.05 | 1.3 | 5.6 | 0.08 | 2.8 | 7.3 | 0.2 | 3.3 | 2.4 | 0.04 | 0.7 |
| 17 | 6.7 | 0.05 | 2.2 | 5.3 | 0.4 | 2.8 | 4.8 | 0.09 | 2.0 | 4.0 | 0.05 | 1.2 |
| 18 | 5.4 | 0.05 | 1.7 | 6.1 | 0.4 | 3.1 | 2.2 | 0.07 | 0.6 | 4.8 | 0.1 | 1.9 |
| 19 | 3.1 | 0.05 | 1.00 | 4.8 | 0.6 | 2.5 | 0.8 | 0.06 | 0.2 | 6.7 | 0.6 | 2.8 |
| 20 | 0.9 | 0.05 | 0.2 | 4.2 | 0.7 | 2.2 | 0.2 | 0.06 | 0.08 | 6.7 | 0.3 | 3.3 |
| 21 | 0.1 | 0.04 | 0.06 | 3.2 | 0.7 | 1.7 | 0.08 | 0.06 | 0.07 | 6.8 | 0.5 | 3.8 |
| 22 | 0.06 | 0.04 | 0.05 | 4.0 | 0.09 | 1.2 | 0.1 | 0.05 | 0.07 | 8.1 | 1.9 | 4.9 |
| 23 | 0.05 | 0.04 | 0.05 | 4.1 | 0.2 | 1.8 | 0.2 | 0.05 | 0.08 | 8.8 | 2.5 | 5.3 |
| 24 | 0.4 | 0.04 | 0.05 | 4.4 | 0.06 | 1.6 | 0.8 | 0.05 | 0.2 | 8.5 | 3.0 | 5.6 |
| 25 | 3.1 | 0.04 | 0.7 | 3.4 | 0.07 | 1.5 | 4.1 | 0.07 | 1.3 | 9.0 | 3.1 | 5.9 |
| 26 | 9.3 | 0.04 | 2.5 | 4.1 | 0.08 | 1.8 | 8.1 | 0.7 | 3.6 | 9.6 | 3.6 | 6.6 |
| 27 | 16.6 | 0.2 | 7.7 | 6.8 | 0.8 | 3.3 | 11.9 | 0.8 | 5.2 | 11.1 | 4.0 | 7.5 |
| 28 | 17.5 | 0.2 | 6.7 | 10.4 | 1.9 | 6.1 | 15.3 | 2.0 | 8.5 | 11.9 | 5.9 | 8.7 |
| 29 | 14.2 | 0.04 | 3.6 | 19.8 | 7.4 | 13.3 | 16.4 | 5.2 | 10.1 | 12.1 | 4.7 | 8.5 |
| 30 | --- | --- | --- | 21.7 | 11.3 | 16.8 | 15.5 | 2.0 | 8.9 | 12.5 | 6.8 | 9.5 |
| 31 | --- | --- | --- | 21.5 | 11.5 | 16.2 | --- | --- | --- | 12.3 | 6.5 | 9.6 |
| MONTH | 17.8 | 0.04 | 3.1 | 21.7 | 0.04 | 3.0 | 16.7 | 0.05 | 5.4 | 13.0 | 0.03 | 3.4 |

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, 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 |
|-------|------|-----|------|------|-----|------|------|------|------|------|------|------|
| | | | | | | | | | | | | |
| 1 | 11.5 | 6.3 | 9.1 | 11.3 | 5.0 | 8.5 | 13.6 | 7.2 | 10.1 | 0.3 | 0.04 | 0.08 |
| 2 | 11.9 | 6.7 | 9.1 | 11.1 | 3.3 | 7.5 | 13.1 | 7.1 | 9.5 | 0.07 | 0.04 | 0.06 |
| 3 | 11.9 | 6.1 | 9.0 | 10.2 | 3.6 | 7.0 | 12.1 | 6.2 | 8.9 | 0.06 | 0.04 | 0.05 |
| 4 | 12.1 | 7.0 | 9.3 | 10.7 | 3.5 | 7.1 | 12.6 | 6.1 | 9.0 | 0.05 | 0.04 | 0.05 |
| 5 | 12.8 | 6.5 | 9.5 | 11.5 | 3.3 | 7.3 | 12.2 | 6.4 | 8.8 | 0.2 | 0.04 | 0.06 |
| 6 | 13.5 | 8.2 | 10.4 | 10.7 | 3.4 | 7.2 | 12.2 | 3.3 | 7.8 | 4.7 | 0.04 | 0.6 |
| 7 | 14.3 | 7.8 | 10.7 | 12.0 | 4.8 | 8.4 | 17.6 | 5.1 | 11.1 | 9.6 | 0.04 | 1.8 |
| 8 | 13.0 | 6.8 | 9.9 | 12.0 | 5.4 | 8.8 | 16.6 | 4.7 | 11.0 | 4.7 | 0.04 | 1.2 |
| 9 | 12.1 | 6.6 | 9.2 | 12.6 | 5.4 | 8.9 | 16.2 | 2.1 | 9.7 | 0.5 | 0.04 | 0.08 |
| 10 | 13.0 | 6.2 | 9.5 | 13.6 | 4.3 | 9.1 | 16.5 | 3.4 | 10.3 | 0.4 | 0.03 | 0.07 |
| 11 | 12.3 | 5.5 | 9.3 | 15.2 | 4.2 | 9.6 | 14.4 | 4.4 | 10.1 | 0.2 | 0.03 | 0.05 |
| 12 | 12.3 | 3.3 | 8.9 | 16.2 | 4.3 | 10.3 | 14.2 | 3.7 | 9.6 | 0.6 | 0.03 | 0.09 |
| 13 | 13.8 | 6.8 | 10.2 | 16.2 | 5.6 | 10.9 | 12.2 | 0.2 | 7.3 | 0.3 | 0.03 | 0.09 |
| 14 | 13.1 | 5.3 | 9.8 | 14.6 | 5.6 | 10.6 | 9.8 | 0.2 | 4.4 | 0.2 | 0.03 | 0.05 |
| 15 | 12.4 | 4.7 | 9.1 | 14.9 | 6.3 | 10.7 | 6.1 | 0.05 | 1.4 | 0.04 | 0.03 | 0.04 |
| 16 | 10.9 | 3.1 | 7.6 | 13.8 | 5.3 | 10.4 | 2.4 | 0.04 | 0.2 | 0.04 | 0.03 | 0.04 |
| 17 | 11.2 | 3.6 | 7.5 | 14.4 | 7.2 | 10.6 | 0.3 | 0.04 | 0.06 | 0.04 | 0.03 | 0.04 |
| 18 | 12.1 | 4.9 | 8.1 | 14.7 | 4.9 | 10.1 | 0.05 | 0.04 | 0.05 | 0.04 | 0.03 | 0.04 |
| 19 | 13.7 | 6.0 | 9.1 | 13.5 | 5.4 | 10 | 0.05 | 0.03 | 0.04 | 0.04 | 0.03 | 0.03 |
| 20 | 15.8 | 5.9 | 10.8 | 13.8 | 5.6 | 10.0 | 0.05 | 0.03 | 0.04 | 10.4 | 0.03 | 1.4 |
| 21 | 16.9 | 8.0 | 12.4 | 14.2 | 6.3 | 10.7 | 0.04 | 0.03 | 0.04 | 14.1 | 0.04 | 4.9 |
| 22 | 16.8 | 7.5 | 12.0 | 14.6 | 6.8 | 11.2 | 0.04 | 0.03 | 0.03 | 10.8 | 0.05 | 4.4 |
| 23 | 14.8 | 6.1 | 10.4 | 14.9 | 8.1 | 11.6 | 0.04 | 0.03 | 0.04 | 6.2 | 0.04 | 2.3 |
| 24 | 13.4 | 4.1 | 9.3 | 14.3 | 5.7 | 10.8 | 0.04 | 0.03 | 0.04 | 6.8 | 0.04 | 2.3 |
| 25 | 14.6 | 5.4 | 10.4 | 15.1 | 2.9 | 10.3 | 0.4 | 0.03 | 0.08 | 7.8 | 0.08 | 3.0 |
| 26 | 14.1 | 6.8 | 10.4 | 15.5 | 5.0 | 11.3 | 3.8 | 0.04 | 0.7 | 8.1 | 0.1 | 3.6 |
| 27 | 14.0 | 6.4 | 10.5 | 14.8 | 6.2 | 11.5 | 3.7 | 0.04 | 0.9 | 7.8 | 1.3 | 4.3 |
| 28 | 14.2 | 5.5 | 10.4 | 13.8 | 5.3 | 10.8 | 4.1 | 0.04 | 1.2 | 7.3 | 3.0 | 4.3 |
| 29 | 12.8 | 4.4 | 9.3 | 12.6 | 3.3 | 9.3 | 4.2 | 0.1 | 1.5 | 4.6 | 0.1 | 2.1 |
| 30 | 12.1 | 5.4 | 9.2 | 13.4 | 4.1 | 8.9 | 3.7 | 0.06 | 1.2 | 4.8 | 0.1 | 2.1 |
| 31 | --- | --- | --- | 13.4 | 6.5 | 9.9 | 1.1 | 0.04 | 0.2 | --- | --- | --- |
| MONTH | 16.9 | 3.1 | 9.7 | 16.2 | 2.9 | 9.7 | 17.6 | 0.03 | 4.4 | 14.1 | 0.03 | 1.3 |

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, 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 |
|-------|-----|-----|------|-----|-----|------|-----|-----|------|-----|-----|------|
| | | | | | | | | | | | | |
| 1 | 6.8 | 6.5 | 6.6 | 6.8 | 6.2 | 6.4 | 6.7 | 6.0 | 6.5 | 6.7 | 5.7 | 6.3 |
| 2 | 6.9 | 6.5 | 6.7 | 6.7 | 6.2 | 6.4 | 6.7 | 5.9 | 6.4 | 6.8 | 5.8 | 6.4 |
| 3 | --- | --- | --- | 6.8 | 6.2 | 6.4 | 6.8 | 6.2 | 6.6 | 6.8 | 5.8 | 6.5 |
| 4 | 7.0 | 6.7 | 6.9 | 6.7 | 6.1 | 6.4 | 7.0 | 6.4 | 6.7 | 6.8 | 5.9 | 6.5 |
| 5 | 7.0 | 6.6 | 6.8 | 6.7 | 6.0 | 6.2 | 7.1 | 6.6 | 6.8 | 6.9 | 5.9 | 6.6 |
| 6 | 7.0 | 6.7 | 6.8 | 6.6 | 6.0 | 6.2 | 7.1 | 6.6 | 6.9 | 6.8 | 5.9 | 6.5 |
| 7 | 7.0 | 6.8 | 6.9 | 6.6 | 6.0 | 6.2 | 7.2 | 6.5 | 6.9 | 7.0 | 5.9 | 6.6 |
| 8 | 7.0 | 6.8 | 6.9 | 6.8 | 6.0 | 6.3 | 7.1 | 6.6 | 6.9 | 7.3 | 6.2 | 6.8 |
| 9 | 7.0 | 6.7 | 6.8 | 6.7 | 6.1 | 6.3 | 7.1 | 6.6 | 6.9 | 7.4 | 6.6 | 7.0 |
| 10 | --- | --- | --- | 7.0 | 6.2 | 6.5 | 7.1 | 6.5 | 6.9 | 7.5 | 6.6 | 7.1 |
| 11 | 6.9 | 6.6 | 6.7 | 6.9 | 6.2 | 6.5 | 7.0 | 6.2 | 6.7 | 7.6 | 6.8 | 7.2 |
| 12 | 6.9 | 6.5 | 6.7 | 6.8 | 6.2 | 6.5 | 6.8 | 6.0 | 6.4 | 7.6 | 7.0 | 7.3 |
| 13 | 6.9 | 6.5 | 6.7 | 6.8 | 6.2 | 6.5 | 6.7 | 6.0 | 6.3 | 7.5 | 6.9 | 7.2 |
| 14 | 6.8 | 6.4 | 6.6 | 6.9 | 6.2 | 6.5 | 6.8 | 6.0 | 6.5 | 7.5 | 7.0 | 7.2 |
| 15 | 6.9 | 6.4 | 6.6 | 7.0 | 6.3 | 6.6 | 6.6 | 6.0 | 6.1 | 7.5 | 7.0 | 7.3 |
| 16 | 6.7 | 6.3 | 6.5 | 7.0 | 6.3 | 6.6 | 6.5 | 5.8 | 6.1 | 7.6 | 7.0 | 7.3 |
| 17 | 6.7 | 6.3 | 6.5 | 6.9 | 6.3 | 6.6 | 6.4 | 5.6 | 6.0 | 7.5 | 6.9 | 7.2 |
| 18 | 6.8 | 6.3 | 6.5 | 7.1 | 6.3 | 6.8 | 6.0 | 5.6 | 5.8 | 7.5 | 7.0 | 7.3 |
| 19 | 7.1 | 6.4 | 6.7 | 7.2 | 6.6 | 7.0 | 6.1 | 5.6 | 5.8 | 7.5 | 7.0 | 7.2 |
| 20 | 7.0 | 6.3 | 6.7 | 7.2 | 6.4 | 6.8 | 6.0 | 5.6 | 5.7 | 7.6 | 7.0 | 7.3 |
| 21 | 7.2 | 6.4 | 6.8 | 7.3 | 6.6 | 7.0 | 6.0 | 5.5 | 5.8 | 7.7 | 7.1 | 7.4 |
| 22 | 7.3 | 6.5 | 6.9 | 7.3 | 6.6 | 6.9 | 6.0 | 5.5 | 5.8 | 7.6 | 7.2 | 7.3 |
| 23 | 7.6 | 6.8 | 7.2 | 7.2 | 6.4 | 6.8 | 6.1 | 5.5 | 5.8 | 7.4 | 7.0 | 7.2 |
| 24 | 7.6 | 7.1 | 7.4 | 7.2 | 6.3 | 6.7 | 6.2 | 5.5 | 5.8 | 7.5 | 7.1 | 7.3 |
| 25 | 7.6 | 7.1 | 7.4 | 6.7 | 5.8 | 6.4 | 6.0 | 5.5 | 5.7 | 7.6 | 7.1 | 7.3 |
| 26 | 7.6 | 7.0 | 7.4 | 7.0 | 5.8 | 6.4 | 6.0 | 5.5 | 5.7 | 7.7 | 7.2 | 7.4 |
| 27 | 7.7 | 7.0 | 7.4 | 7.0 | 5.9 | 6.5 | 6.2 | 5.6 | 5.8 | 7.7 | 7.2 | 7.4 |
| 28 | 7.7 | 7.0 | 7.4 | 7.0 | 5.9 | 6.5 | 6.6 | 5.6 | 6.0 | 7.5 | 6.9 | 7.1 |
| 29 | 7.6 | 7.0 | 7.4 | 6.6 | 5.9 | 6.2 | 6.6 | 5.7 | 6.1 | 7.3 | 6.9 | 7.1 |
| 30 | 7.3 | 6.9 | 7.0 | 6.8 | 6.0 | 6.5 | 6.7 | 5.7 | 6.1 | 7.3 | 6.9 | 7.1 |
| 31 | 7.1 | 6.3 | 6.7 | --- | --- | --- | 6.7 | 5.7 | 6.2 | 7.3 | 6.9 | 7.1 |
| MONTH | --- | --- | --- | 7.3 | 5.8 | 6.5 | 7.2 | 5.5 | 6.2 | 7.7 | 5.7 | 7.0 |
| | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| | | | | | | | | | | | | |
| 1 | 7.4 | 6.9 | 7.1 | 6.9 | 6.1 | 6.4 | 7.5 | 7.0 | 7.2 | 7.2 | 6.9 | 7.1 |
| 2 | 7.6 | 7.0 | 7.2 | 6.8 | 6.0 | 6.3 | 7.1 | 6.8 | 7.0 | 7.2 | 6.7 | 7.0 |
| 3 | 7.5 | 6.9 | 7.2 | 6.8 | 6.0 | 6.3 | 7.2 | 6.9 | 7.1 | 7.0 | 6.5 | 6.8 |
| 4 | 7.3 | 6.8 | 7.0 | 6.8 | 6.0 | 6.3 | 7.2 | 7.0 | 7.1 | 6.9 | 6.4 | 6.6 |
| 5 | 7.3 | 6.8 | 7.0 | 6.6 | 6.0 | 6.2 | 7.3 | 6.9 | 7.0 | 6.8 | 6.4 | 6.6 |
| 6 | 7.3 | 6.9 | 7.1 | 6.4 | 6.0 | 6.2 | 7.3 | 7.0 | 7.1 | 6.7 | 6.3 | 6.5 |
| 7 | 7.2 | 6.9 | 7.1 | 6.3 | 6.0 | 6.1 | 7.3 | 7.0 | 7.1 | 6.5 | 6.4 | 6.4 |
| 8 | 7.2 | 6.7 | 6.9 | 6.3 | 6.0 | 6.2 | 7.2 | 7.0 | 7.1 | 6.4 | 6.2 | 6.4 |
| 9 | 7.1 | 6.7 | 6.9 | 6.4 | 6.0 | 6.2 | 7.3 | 7.1 | 7.2 | 6.4 | 6.1 | 6.3 |
| 10 | 7.3 | 6.5 | 6.9 | 7.1 | 6.0 | 6.4 | 7.4 | 7.1 | 7.2 | 6.3 | 6.0 | 6.2 |
| 11 | 7.4 | 6.5 | 7.0 | 7.2 | 6.2 | 6.7 | 7.3 | 7.1 | 7.2 | 6.3 | 6.0 | 6.1 |
| 12 | 7.4 | 6.6 | 7.1 | 6.7 | 6.3 | 6.5 | 7.3 | 7.1 | 7.2 | 6.2 | 5.9 | 6.0 |
| 13 | 7.5 | 6.5 | 7.1 | 6.6 | 6.3 | 6.4 | 7.3 | 7.1 | 7.2 | 6.2 | 5.9 | 6.1 |
| 14 | 7.4 | 6.4 | 7.0 | 6.6 | 6.3 | 6.5 | --- | --- | --- | 6.3 | 6.1 | 6.2 |
| 15 | 7.3 | 6.4 | 6.9 | 6.7 | 6.4 | 6.6 | --- | --- | --- | 6.3 | 6.1 | 6.2 |
| 16 | 7.3 | 6.4 | 6.9 | 6.8 | 6.4 | 6.6 | 7.1 | 6.7 | 6.9 | 6.3 | 6.2 | 6.2 |
| 17 | 7.3 | 6.4 | 6.9 | 6.8 | 6.5 | 6.6 | 6.9 | 6.7 | 6.8 | 6.4 | 6.2 | 6.3 |
| 18 | 7.3 | 6.4 | 6.8 | 6.8 | 6.5 | 6.7 | 6.8 | 6.6 | 6.7 | 6.5 | 6.3 | 6.3 |
| 19 | 7.2 | 6.4 | 6.8 | 6.8 | 6.6 | 6.7 | 6.7 | 6.6 | 6.6 | 6.9 | 6.3 | 6.5 |
| 20 | 7.0 | 6.4 | 6.7 | 6.8 | 6.6 | 6.7 | 6.7 | 6.5 | 6.6 | 6.9 | 6.4 | 6.7 |
| 21 | 6.8 | 6.3 | 6.5 | 6.9 | 6.7 | 6.8 | 6.7 | 6.5 | 6.6 | 6.9 | 6.5 | 6.7 |
| 22 | 6.6 | 6.2 | 6.4 | 7.0 | 6.7 | 6.8 | 6.7 | 6.5 | 6.6 | 6.9 | 6.6 | 6.8 |
| 23 | 6.6 | 6.2 | 6.4 | 7.0 | 6.8 | 6.9 | 6.6 | 6.4 | 6.5 | 7.0 | 6.7 | 6.9 |
| 24 | 6.7 | 6.1 | 6.3 | 7.0 | 6.8 | 6.8 | 6.7 | 6.4 | 6.5 | 7.0 | 6.8 | 6.9 |
| 25 | 7.1 | 6.1 | 6.5 | 6.9 | 6.8 | 6.8 | 6.8 | 6.5 | 6.6 | 7.1 | 6.8 | 6.9 |
| 26 | 7.2 | 6.1 | 6.6 | 7.0 | 6.8 | 6.8 | 6.9 | 6.6 | 6.8 | 7.0 | 6.8 | 6.9 |
| 27 | 7.7 | 6.3 | 7.1 | 7.1 | 6.8 | 6.9 | 7.0 | 6.6 | 6.8 | 7.0 | 6.8 | 6.9 |
| 28 | 7.6 | 6.2 | 6.9 | 7.2 | 6.9 | 7.0 | 7.3 | 6.7 | 6.9 | 7.2 | 6.9 | 7.0 |
| 29 | 7.2 | 6.2 | 6.6 | 7.6 | 6.9 | 7.3 | 7.3 | 6.9 | 7.1 | 7.2 | 6.8 | 7.0 |
| 30 | --- | --- | --- | 7.8 | 7.1 | 7.4 | 7.3 | 6.8 | 7.0 | 7.2 | 7.0 | 7.1 |
| 31 | --- | --- | --- | 7.7 | 7.2 | 7.4 | --- | --- | --- | 7.3 | 6.9 | 7.1 |
| MONTH | 7.7 | 6.1 | 6.9 | 7.8 | 6.0 | 6.6 | --- | --- | --- | 7.3 | 5.9 | 6.6 |

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, 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 |
|-------|-----|-----|------|-----|-----|------|-----|-----|------|-----|-----|------|
| | | | | | | | | | | | | |
| 1 | 7.2 | 6.9 | 7.0 | 7.3 | 7.0 | 7.1 | 7.2 | 6.9 | 7.0 | 6.3 | 6.0 | 6.2 |
| 2 | 7.2 | 6.8 | 7.0 | 7.2 | 6.9 | 7.1 | 7.1 | 6.9 | 7.0 | 6.4 | 6.0 | 6.2 |
| 3 | 7.1 | 6.8 | 6.9 | 7.2 | 6.9 | 7.0 | 7.1 | 6.9 | 7.0 | 6.3 | 6.0 | 6.2 |
| 4 | 7.2 | 6.9 | 7.0 | 7.2 | 6.9 | 7.0 | 7.1 | 6.9 | 7.0 | 6.2 | 6.0 | 6.1 |
| 5 | 7.2 | 6.8 | 7.0 | 7.3 | 6.9 | 7.1 | 7.1 | 6.9 | 7.0 | 6.2 | 6.1 | 6.1 |
| 6 | 7.2 | 6.9 | 7.0 | 7.2 | 6.9 | 7.0 | 7.1 | 6.8 | 6.9 | 6.3 | 6.1 | 6.2 |
| 7 | 7.2 | 6.9 | 7.0 | 7.2 | 7.0 | 7.1 | 7.2 | 6.8 | 7.0 | 6.4 | 6.0 | 6.2 |
| 8 | 7.1 | 6.8 | 7.0 | 7.2 | 7.0 | 7.1 | 7.2 | 6.8 | 7.0 | 6.6 | 6.0 | 6.3 |
| 9 | 7.1 | 6.8 | 6.9 | 7.2 | 7.0 | 7.1 | 7.1 | 6.6 | 6.9 | 6.3 | 6.0 | 6.2 |
| 10 | 7.1 | 6.8 | 6.9 | 7.2 | 6.9 | 7.1 | 7.1 | 6.7 | 6.9 | 6.3 | 6.0 | 6.1 |
| 11 | 7.1 | 6.8 | 6.9 | 7.2 | 6.9 | 7.1 | 7.1 | 6.7 | 6.9 | 6.3 | 6.0 | 6.1 |
| 12 | 7.1 | 6.7 | 6.9 | 7.3 | 6.9 | 7.1 | 7.1 | 6.7 | 6.9 | 6.3 | 5.9 | 6.1 |
| 13 | 7.2 | 6.8 | 7.0 | 7.3 | 7.0 | 7.1 | 7.0 | 6.6 | 6.9 | 6.2 | 6.0 | 6.1 |
| 14 | 7.2 | 6.7 | 7.0 | 7.2 | 6.8 | 7.1 | 6.9 | 6.5 | 6.8 | 6.2 | 6.0 | 6.1 |
| 15 | 7.3 | 6.8 | 7.0 | 7.2 | 6.9 | 7.0 | 6.9 | 6.4 | 6.6 | 6.2 | 5.9 | 6.1 |
| 16 | 7.2 | 6.8 | 7.0 | 7.2 | 6.9 | 7.0 | 6.6 | 6.3 | 6.5 | 6.2 | 5.8 | 6.0 |
| 17 | 7.2 | 6.8 | 7.0 | 7.2 | 7.0 | 7.1 | 6.5 | 6.2 | 6.3 | 6.2 | 5.8 | 6.1 |
| 18 | 7.3 | 6.9 | 7.1 | 7.2 | 6.9 | 7.0 | 6.4 | 6.2 | 6.3 | 6.2 | 5.9 | 6.0 |
| 19 | 7.3 | 6.9 | 7.0 | 7.2 | 6.9 | 7.0 | 6.4 | 6.0 | 6.2 | 6.1 | 5.8 | 6.0 |
| 20 | 7.3 | 6.9 | 7.1 | 7.1 | 6.9 | 7.0 | 6.2 | 5.8 | 6.0 | 6.6 | 5.9 | 6.2 |
| 21 | 7.4 | 6.9 | 7.1 | 7.2 | 6.9 | 7.0 | 6.0 | 5.8 | 5.9 | 6.9 | 5.9 | 6.4 |
| 22 | 7.2 | 6.9 | 7.0 | 7.1 | 6.9 | 7.0 | 6.0 | 5.8 | 5.9 | 6.7 | 5.9 | 6.4 |
| 23 | 7.2 | 6.8 | 7.0 | 7.1 | 6.9 | 7.0 | 6.0 | 5.8 | 5.9 | 6.6 | 6.0 | 6.3 |
| 24 | 7.2 | 6.8 | 7.0 | 7.1 | 6.8 | 6.9 | 6.1 | 5.8 | 5.9 | 6.7 | 6.0 | 6.3 |
| 25 | 7.2 | 6.9 | 7.1 | 7.0 | 6.8 | 6.9 | 6.1 | 5.7 | 5.9 | 6.8 | 6.1 | 6.4 |
| 26 | 7.2 | 7.0 | 7.1 | 7.1 | 6.8 | 7.0 | 6.3 | 5.8 | 6.0 | 6.9 | 6.1 | 6.5 |
| 27 | 7.3 | 7.0 | 7.1 | 7.2 | 6.8 | 7.0 | 6.4 | 5.8 | 6.1 | 7.0 | 6.3 | 6.6 |
| 28 | 7.3 | 7.0 | 7.1 | 7.2 | 6.8 | 7.0 | 6.4 | 5.9 | 6.2 | 7.0 | 6.6 | 6.7 |
| 29 | 7.2 | 6.9 | 7.1 | 7.1 | 6.8 | 7.0 | 6.6 | 6.0 | 6.3 | 6.8 | 6.0 | 6.5 |
| 30 | 7.3 | 7.0 | 7.1 | 7.1 | 6.8 | 7.0 | 6.6 | 6.0 | 6.3 | 6.8 | 6.1 | 6.5 |
| 31 | --- | --- | --- | 7.2 | 6.9 | 7.0 | 6.4 | 6.0 | 6.2 | --- | --- | --- |
| MONTH | 7.4 | 6.7 | 7.0 | 7.3 | 6.8 | 7.0 | 7.2 | 5.7 | 6.5 | 7.0 | 5.8 | 6.2 |

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, 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 |
|-------|---------|-----|------|----------|-----|------|----------|-----|------|---------|-----|------|
| | OCTOBER | | | NOVEMBER | | | DECEMBER | | | JANUARY | | |
| 1 | 6.8 | 6.4 | 6.6 | 7.1 | 6.8 | 7.0 | 7.2 | 7.0 | 7.1 | --- | --- | --- |
| 2 | 6.8 | 6.4 | 6.6 | 7.2 | 6.9 | 7.1 | --- | --- | --- | --- | --- | --- |
| 3 | 6.7 | 6.2 | 6.5 | 7.2 | 6.9 | 7.1 | --- | --- | --- | --- | --- | --- |
| 4 | 6.8 | 6.2 | 6.6 | 7.3 | 7.0 | 7.1 | --- | --- | --- | --- | --- | --- |
| 5 | 6.8 | 6.2 | 6.5 | 7.4 | 6.9 | 7.1 | --- | --- | --- | --- | --- | --- |
| 6 | 7.0 | 6.2 | 6.6 | 7.3 | 7.1 | 7.2 | --- | --- | --- | --- | --- | --- |
| 7 | 7.1 | 6.4 | 6.7 | 7.3 | 7.1 | 7.2 | --- | --- | --- | --- | --- | --- |
| 8 | 7.3 | 6.6 | 6.9 | 7.3 | 7.0 | 7.2 | --- | --- | --- | --- | --- | --- |
| 9 | --- | --- | --- | 7.5 | 7.1 | 7.3 | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | 7.6 | 7.3 | 7.4 | --- | --- | --- | --- | --- | --- |
| 11 | 7.3 | 6.9 | 7.1 | 7.6 | 7.3 | 7.4 | --- | --- | --- | --- | --- | --- |
| 12 | 7.2 | 7.0 | 7.1 | 7.6 | 7.3 | 7.4 | --- | --- | --- | --- | --- | --- |
| 13 | 7.2 | 7.0 | 7.1 | 7.5 | 7.2 | 7.3 | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | 7.6 | 7.2 | 7.4 | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | 7.6 | 7.3 | 7.4 | --- | --- | --- | --- | --- | --- |
| 16 | 7.2 | 6.9 | 7.0 | 7.6 | 7.3 | 7.4 | --- | --- | --- | --- | --- | --- |
| 17 | 7.1 | 6.7 | 6.9 | 7.5 | 7.2 | 7.4 | --- | --- | --- | --- | --- | --- |
| 18 | 7.1 | 6.7 | 7.0 | 7.4 | 7.1 | 7.3 | --- | --- | --- | --- | --- | --- |
| 19 | 7.1 | 6.8 | 7.0 | 7.3 | 7.1 | 7.2 | --- | --- | --- | --- | --- | --- |
| 20 | 7.1 | 6.6 | 6.9 | 7.3 | 7.0 | 7.2 | --- | --- | --- | --- | --- | --- |
| 21 | 7.2 | 6.8 | 7.0 | 7.2 | 7.0 | 7.1 | --- | --- | --- | --- | --- | --- |
| 22 | 7.4 | 7.0 | 7.2 | 7.3 | 7.0 | 7.2 | --- | --- | --- | --- | --- | --- |
| 23 | 7.5 | 7.1 | 7.3 | 7.3 | 7.1 | 7.2 | --- | --- | --- | --- | --- | --- |
| 24 | 7.4 | 7.2 | 7.3 | 7.3 | 7.0 | 7.2 | --- | --- | --- | --- | --- | --- |
| 25 | 7.4 | 7.1 | 7.2 | 7.3 | 7.1 | 7.2 | --- | --- | --- | --- | --- | --- |
| 26 | 7.3 | 7.1 | 7.2 | 7.3 | 7.0 | 7.2 | --- | --- | --- | --- | --- | --- |
| 27 | 7.3 | 7.0 | 7.1 | 7.3 | 7.0 | 7.2 | --- | --- | --- | --- | --- | --- |
| 28 | 7.2 | 7.0 | 7.1 | 7.3 | 7.0 | 7.2 | --- | --- | --- | --- | --- | --- |
| 29 | 7.2 | 6.9 | 7.1 | 7.2 | 6.9 | 7.1 | --- | --- | --- | --- | --- | --- |
| 30 | 7.2 | 6.9 | 7.1 | 7.3 | 7.0 | 7.1 | --- | --- | --- | --- | --- | --- |
| 31 | 7.2 | 6.9 | 7.0 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MONTH | --- | --- | --- | 7.6 | 6.8 | 7.2 | --- | --- | --- | --- | --- | --- |

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

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 |
|-------|-----|-----|------|-----|-----|------|-----|-----|------|-----|-----|------|
| | | | | | | | | | | | | |
| 1 | 6.9 | 6.6 | 6.7 | 6.6 | 6.0 | 6.2 | 6.8 | 6.4 | 6.6 | 6.4 | 5.9 | 6.1 |
| 2 | 7.0 | 6.6 | 6.7 | 6.4 | 6.0 | 6.2 | 6.9 | 6.3 | 6.6 | 6.6 | 5.9 | 6.2 |
| 3 | --- | --- | --- | 6.6 | 6.0 | 6.2 | 6.9 | 6.3 | 6.6 | 6.8 | 5.9 | 6.3 |
| 4 | 7.2 | 6.7 | 6.9 | 6.5 | 5.8 | 6.1 | 7.1 | 6.4 | 6.7 | 6.7 | 5.9 | 6.3 |
| 5 | 7.0 | 6.6 | 6.9 | 6.4 | 5.8 | 6.0 | 7.2 | 6.6 | 6.8 | 6.6 | 5.9 | 6.3 |
| 6 | 7.0 | 6.7 | 6.8 | 6.3 | 5.7 | 6.0 | 7.0 | 6.4 | 6.7 | 6.5 | 5.9 | 6.2 |
| 7 | 7.0 | 6.7 | 6.9 | 6.2 | 5.7 | 5.9 | 7.0 | 6.3 | 6.7 | 6.8 | 6.0 | 6.4 |
| 8 | 7.0 | 6.8 | 6.9 | 6.5 | 5.7 | 6.0 | 6.9 | 6.4 | 6.7 | 7.1 | 6.1 | 6.6 |
| 9 | 7.0 | 6.6 | 6.8 | 6.7 | 5.8 | 6.1 | 6.8 | 6.3 | 6.6 | 7.2 | 6.4 | 6.9 |
| 10 | --- | --- | --- | 7.0 | 5.9 | 6.4 | 6.8 | 6.2 | 6.6 | 7.4 | 6.4 | 7.0 |
| 11 | 6.9 | 6.5 | 6.7 | 6.9 | 6.0 | 6.4 | 6.7 | 6.2 | 6.5 | 7.6 | 6.7 | 7.2 |
| 12 | 7.0 | 6.5 | 6.7 | 6.8 | 6.0 | 6.3 | 6.5 | 6.2 | 6.3 | 7.6 | 6.8 | 7.2 |
| 13 | 6.9 | 6.5 | 6.7 | 6.7 | 6.0 | 6.3 | 6.5 | 6.1 | 6.3 | 7.4 | 6.7 | 7.1 |
| 14 | 7.0 | 6.4 | 6.7 | 7.0 | 6.0 | 6.5 | 6.7 | 6.2 | 6.4 | 7.3 | 6.7 | 7.1 |
| 15 | 6.9 | 6.3 | 6.6 | 7.0 | 6.2 | 6.6 | 6.4 | 6.1 | 6.2 | 7.4 | 6.7 | 7.1 |
| 16 | 6.9 | 6.3 | 6.6 | 7.0 | 6.2 | 6.6 | 6.3 | 6.1 | 6.2 | 7.4 | 6.8 | 7.1 |
| 17 | 7.0 | 6.3 | 6.6 | 7.1 | 6.2 | 6.7 | 6.3 | 6.0 | 6.1 | 7.5 | 6.7 | 7.2 |
| 18 | 7.2 | 6.3 | 6.6 | 7.2 | 6.3 | 6.8 | 6.3 | 5.9 | 6.1 | 7.5 | 6.8 | 7.2 |
| 19 | 7.3 | 6.4 | 6.9 | 7.1 | 6.6 | 6.9 | 6.3 | 5.8 | 6.0 | 7.3 | 6.8 | 7.1 |
| 20 | 7.2 | 6.3 | 6.8 | 7.2 | 6.3 | 6.8 | 6.2 | 5.8 | 6.0 | 7.4 | 6.8 | 7.2 |
| 21 | 7.1 | 6.4 | 6.8 | 7.2 | 6.5 | 6.9 | 6.2 | 5.8 | 6.0 | 7.5 | 6.9 | 7.2 |
| 22 | 7.1 | 6.3 | 6.8 | 7.2 | 6.5 | 6.9 | 6.3 | 5.8 | 6.0 | 7.5 | 6.9 | 7.2 |
| 23 | 7.1 | 6.5 | 6.9 | 7.2 | 6.3 | 6.7 | 6.3 | 5.7 | 6.0 | 7.4 | 6.8 | 7.1 |
| 24 | 7.1 | 6.7 | 6.9 | 7.1 | 6.2 | 6.6 | 6.3 | 5.8 | 6.1 | 7.4 | 6.9 | 7.2 |
| 25 | 7.2 | 6.6 | 6.9 | 6.8 | 6.3 | 6.5 | 6.2 | 5.8 | 6.0 | 7.5 | 6.9 | 7.2 |
| 26 | 7.1 | 6.5 | 6.8 | 7.1 | 6.3 | 6.6 | 6.2 | 5.8 | 6.0 | 7.7 | 7.1 | 7.4 |
| 27 | 7.2 | 6.5 | 6.9 | 7.1 | 6.3 | 6.7 | 6.2 | 5.8 | 6.0 | 7.7 | 7.0 | 7.4 |
| 28 | 7.1 | 6.5 | 6.9 | 7.1 | 6.3 | 6.6 | 6.2 | 5.9 | 6.0 | 7.7 | 6.6 | 7.2 |
| 29 | 7.1 | 6.5 | 6.8 | 6.8 | 6.3 | 6.5 | 6.2 | 5.9 | 6.0 | 7.6 | 6.8 | 7.2 |
| 30 | 6.8 | 6.2 | 6.5 | 6.9 | 6.4 | 6.6 | 6.3 | 5.9 | 6.0 | 7.5 | 6.8 | 7.2 |
| 31 | 6.7 | 6.2 | 6.3 | --- | --- | --- | 6.3 | 5.9 | 6.1 | 7.6 | 6.8 | 7.2 |
| MONTH | --- | --- | --- | 7.2 | 5.7 | 6.5 | 7.2 | 5.7 | 6.3 | 7.7 | 5.9 | 6.9 |
| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| | | | | | | | | | | | | |
| 1 | 7.6 | 6.9 | 7.3 | 6.6 | 6.2 | 6.3 | 7.6 | 7.0 | 7.4 | 7.4 | 7.0 | 7.2 |
| 2 | 7.7 | 6.9 | 7.4 | 6.4 | 6.2 | 6.3 | 7.5 | 7.1 | 7.3 | 7.2 | 6.8 | 7.0 |
| 3 | 7.8 | 7.0 | 7.4 | 6.4 | 6.2 | 6.3 | 7.4 | 7.1 | 7.2 | 7.1 | 6.6 | 6.9 |
| 4 | 7.6 | 6.8 | 7.2 | 6.3 | 6.2 | 6.3 | 7.4 | 7.1 | 7.2 | 6.9 | 6.5 | 6.7 |
| 5 | 7.5 | 6.8 | 7.2 | 6.4 | 6.2 | 6.3 | 7.4 | 7.0 | 7.2 | 6.9 | 6.5 | 6.7 |
| 6 | 7.5 | 7.0 | 7.2 | 6.5 | 6.2 | 6.3 | 7.4 | 7.1 | 7.2 | --- | --- | --- |
| 7 | 7.3 | 6.9 | 7.1 | 6.5 | 6.2 | 6.3 | 7.4 | 7.0 | 7.2 | --- | --- | --- |
| 8 | 7.2 | 6.7 | 7.0 | 6.5 | 6.2 | 6.3 | 7.4 | 7.0 | 7.2 | --- | --- | --- |
| 9 | 7.2 | 6.7 | 7.0 | 6.5 | 6.2 | 6.4 | 7.3 | 7.0 | 7.2 | --- | --- | --- |
| 10 | 7.2 | 6.6 | 6.9 | 6.5 | 6.3 | 6.4 | 7.4 | 7.0 | 7.2 | --- | --- | --- |
| 11 | 7.0 | 6.6 | 6.8 | 6.8 | 6.3 | 6.5 | 7.3 | 6.9 | 7.1 | --- | --- | --- |
| 12 | 6.9 | 6.6 | 6.8 | 6.8 | 6.3 | 6.5 | 7.2 | 6.9 | 7.1 | --- | --- | --- |
| 13 | 7.0 | 6.6 | 6.8 | 6.6 | 6.3 | 6.5 | 7.2 | 7.0 | 7.0 | --- | --- | --- |
| 14 | 6.9 | 6.6 | 6.7 | 6.7 | 6.4 | 6.5 | 7.1 | 6.8 | 7.0 | 6.2 | 5.9 | 6.1 |
| 15 | 6.8 | 6.6 | 6.7 | 6.8 | 6.4 | 6.5 | 7.2 | 6.8 | 7.0 | 6.4 | 5.9 | 6.2 |
| 16 | 6.8 | 6.6 | 6.7 | 6.8 | 6.4 | 6.5 | 7.3 | 6.9 | 7.1 | 6.5 | 6.0 | 6.3 |
| 17 | 6.9 | 6.5 | 6.7 | 6.8 | 6.4 | 6.6 | 7.1 | 6.8 | 6.9 | 6.7 | 6.1 | 6.4 |
| 18 | 6.9 | 6.5 | 6.7 | 6.9 | 6.5 | 6.7 | 7.0 | 6.8 | 6.8 | 6.8 | 6.2 | 6.5 |
| 19 | 6.7 | 6.6 | 6.6 | 6.8 | 6.5 | 6.6 | 6.8 | 6.7 | 6.8 | 7.0 | 6.3 | 6.6 |
| 20 | 6.7 | 6.6 | 6.6 | 6.9 | 6.5 | 6.7 | 6.8 | 6.7 | 6.8 | 7.0 | 6.2 | 6.7 |
| 21 | 6.8 | 6.5 | 6.6 | 6.8 | 6.7 | 6.8 | 6.8 | 6.7 | 6.8 | 7.0 | 6.3 | 6.7 |
| 22 | 6.7 | 6.4 | 6.5 | 7.0 | 6.7 | 6.8 | 6.8 | 6.6 | 6.7 | 7.0 | 6.6 | 6.8 |
| 23 | 6.6 | 6.3 | 6.5 | 6.9 | 6.7 | 6.8 | 6.7 | 6.6 | 6.7 | 7.1 | 6.7 | 6.9 |
| 24 | 6.5 | 6.3 | 6.4 | 6.9 | 6.7 | 6.8 | 6.8 | 6.6 | 6.7 | 7.1 | 6.8 | 6.9 |
| 25 | 6.6 | 6.2 | 6.4 | 7.0 | 6.8 | 6.8 | 7.0 | 6.6 | 6.8 | 7.1 | 6.8 | 7.0 |
| 26 | 6.9 | 6.3 | 6.5 | 7.0 | 6.8 | 6.9 | 7.2 | 6.7 | 6.9 | 7.2 | 6.8 | 7.0 |
| 27 | 7.4 | 6.3 | 6.8 | 7.1 | 6.8 | 6.9 | 7.4 | 6.8 | 7.0 | 7.2 | 6.8 | 7.0 |
| 28 | 7.4 | 6.3 | 6.7 | 7.4 | 6.9 | 7.1 | 7.6 | 6.8 | 7.2 | 7.2 | 6.9 | 7.1 |
| 29 | 7.1 | 6.2 | 6.5 | 7.8 | 7.2 | 7.5 | 7.6 | 7.0 | 7.3 | 7.2 | 6.8 | 7.0 |
| 30 | --- | --- | --- | 7.8 | 7.3 | 7.6 | 7.6 | 6.9 | 7.2 | 7.3 | 6.9 | 7.1 |
| 31 | --- | --- | --- | 7.7 | 7.3 | 7.5 | --- | --- | --- | 7.3 | 6.9 | 7.1 |
| MONTH | 7.8 | 6.2 | 6.8 | 7.8 | 6.2 | 6.7 | 7.6 | 6.6 | 7.0 | --- | --- | --- |

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

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

| DAY | JUNE | | | JULY | | | AUGUST | | | SEPTEMBER | | |
|-------|------|-----|------|------|-----|------|--------|-----|------|-----------|-----|------|
| | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| 1 | 7.2 | 6.9 | 7.0 | 7.3 | 7.0 | 7.2 | 7.1 | 6.8 | 6.9 | 6.3 | 5.9 | 6.1 |
| 2 | 7.2 | 6.9 | 7.0 | 7.3 | 7.0 | 7.1 | 7.1 | 6.9 | 6.9 | 6.4 | 5.9 | 6.2 |
| 3 | 7.2 | 6.9 | 7.0 | 7.3 | 7.0 | 7.1 | 7.0 | 6.8 | 6.9 | 6.3 | 5.9 | 6.1 |
| 4 | 7.2 | 6.9 | 7.0 | 7.2 | 6.9 | 7.0 | 7.2 | 6.8 | 7.0 | 6.2 | 6.0 | 6.1 |
| 5 | 7.3 | 6.9 | 7.1 | 7.2 | 6.9 | 7.0 | 7.2 | 6.9 | 7.1 | 6.2 | 6.0 | 6.1 |
| 6 | 7.3 | 7.0 | 7.1 | 7.2 | 6.8 | 6.9 | 7.2 | 6.9 | 7.0 | 6.5 | 6.1 | 6.2 |
| 7 | 7.3 | 7.0 | 7.1 | 7.2 | 6.8 | 7.0 | 7.4 | 6.9 | 7.2 | 6.7 | 6.0 | 6.3 |
| 8 | 7.2 | 6.9 | 7.0 | 7.2 | 6.9 | 7.1 | 7.4 | 6.9 | 7.2 | 6.6 | 6.0 | 6.3 |
| 9 | 7.1 | 6.8 | 7.0 | 7.2 | 6.9 | 7.1 | 7.3 | 6.7 | 7.1 | 6.3 | 6.0 | 6.1 |
| 10 | 7.2 | 6.8 | 7.0 | 7.3 | 6.9 | 7.1 | 7.3 | 6.8 | 7.1 | 6.3 | 6.0 | 6.1 |
| 11 | 7.2 | 6.8 | 7.0 | 7.3 | 6.9 | 7.1 | 7.2 | 6.8 | 7.1 | 6.3 | 6.0 | 6.1 |
| 12 | 7.2 | 6.7 | 7.0 | 7.4 | 6.9 | 7.1 | 7.2 | 6.8 | 7.1 | 6.3 | 5.9 | 6.1 |
| 13 | 7.3 | 6.9 | 7.1 | 7.4 | 6.9 | 7.1 | 7.2 | 6.6 | 7.0 | 6.2 | 5.9 | 6.1 |
| 14 | 7.3 | 6.9 | 7.1 | 7.3 | 6.8 | 7.1 | 7.1 | 6.6 | 6.9 | 6.2 | 5.9 | 6.1 |
| 15 | 7.3 | 7.0 | 7.1 | 7.2 | 6.8 | 7.0 | 7.0 | 6.4 | 6.7 | 6.2 | 5.9 | 6.0 |
| 16 | 7.3 | 6.9 | 7.1 | 7.2 | 6.8 | 7.0 | 6.8 | 6.3 | 6.5 | 6.2 | 5.8 | 6.0 |
| 17 | 7.3 | 6.9 | 7.0 | 7.2 | 6.9 | 7.0 | 6.5 | 6.2 | 6.3 | 6.2 | 5.8 | 6.1 |
| 18 | 7.3 | 7.0 | 7.1 | 7.2 | 6.8 | 7.0 | 6.5 | 6.2 | 6.3 | 6.2 | 5.9 | 6.0 |
| 19 | 7.3 | 6.9 | 7.1 | 7.1 | 6.8 | 7.0 | 6.6 | 6.0 | 6.3 | 6.1 | 5.8 | 6.0 |
| 20 | 7.4 | 6.9 | 7.1 | 7.1 | 6.8 | 7.0 | 6.3 | 5.8 | 6.0 | 7.0 | 5.9 | 6.3 |
| 21 | 7.4 | 6.9 | 7.2 | 7.2 | 6.9 | 7.1 | 6.1 | 5.8 | 6.0 | 7.2 | 6.0 | 6.6 |
| 22 | 7.3 | 6.9 | 7.1 | 7.2 | 6.9 | 7.1 | 6.0 | 5.7 | 5.8 | 6.9 | 5.8 | 6.5 |
| 23 | 7.3 | 6.8 | 7.1 | 7.3 | 7.0 | 7.1 | 6.0 | 5.7 | 5.9 | 6.6 | 5.9 | 6.3 |
| 24 | 7.3 | 6.9 | 7.1 | 7.2 | 6.9 | 7.1 | 6.1 | 5.7 | 5.9 | 6.8 | 5.9 | 6.3 |
| 25 | 7.3 | 6.9 | 7.1 | 7.2 | 6.8 | 7.1 | 6.1 | 5.6 | 5.8 | 6.9 | 6.0 | 6.4 |
| 26 | 7.3 | 7.0 | 7.1 | 7.3 | 6.9 | 7.1 | 6.4 | 5.7 | 6.0 | 6.9 | 6.0 | 6.5 |
| 27 | 7.3 | 6.9 | 7.1 | 7.3 | 6.9 | 7.1 | 6.5 | 5.8 | 6.1 | 7.0 | 6.3 | 6.6 |
| 28 | 7.3 | 6.9 | 7.1 | 7.2 | 6.8 | 7.1 | 6.5 | 5.8 | 6.2 | 7.0 | 6.6 | 6.7 |
| 29 | 7.2 | 6.8 | 7.0 | 7.1 | 6.7 | 7.0 | 6.6 | 6.0 | 6.3 | 6.7 | 6.2 | 6.5 |
| 30 | 7.4 | 6.9 | 7.1 | 7.1 | 6.7 | 6.9 | 6.6 | 6.0 | 6.4 | 6.9 | 6.2 | 6.6 |
| 31 | --- | --- | --- | 7.1 | 6.8 | 6.9 | 6.4 | 5.9 | 6.2 | --- | --- | --- |
| MONTH | 7.4 | 6.7 | 7.1 | 7.4 | 6.7 | 7.1 | 7.4 | 5.6 | 6.6 | 7.2 | 5.8 | 6.2 |

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

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 |
|-------|-----|-----|------|-----|-----|------|-----|-----|------|-----|-----|------|
| | | | | | | | | | | | | |
| 1 | 7.0 | 6.5 | 6.7 | 7.3 | 6.9 | 7.1 | 7.4 | 7.1 | 7.2 | --- | --- | --- |
| 2 | 7.0 | 6.5 | 6.7 | 7.4 | 7.0 | 7.2 | --- | --- | --- | --- | --- | --- |
| 3 | 6.8 | 6.3 | 6.6 | 7.4 | 7.0 | 7.2 | --- | --- | --- | --- | --- | --- |
| 4 | 7.0 | 6.3 | 6.7 | 7.6 | 7.1 | 7.3 | --- | --- | --- | --- | --- | --- |
| 5 | 7.1 | 6.3 | 6.7 | 7.6 | 7.0 | 7.3 | --- | --- | --- | --- | --- | --- |
| 6 | 7.2 | 6.4 | 6.8 | 7.6 | 7.2 | 7.4 | --- | --- | --- | --- | --- | --- |
| 7 | 7.5 | 6.5 | 6.9 | 7.5 | 7.2 | 7.3 | --- | --- | --- | --- | --- | --- |
| 8 | 7.6 | 6.7 | 7.1 | 7.4 | 7.1 | 7.3 | --- | --- | --- | --- | --- | --- |
| 9 | --- | --- | --- | 7.5 | 7.2 | 7.4 | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | 7.6 | 7.3 | 7.4 | --- | --- | --- | --- | --- | --- |
| 11 | 7.2 | 6.8 | 7.1 | 7.6 | 7.3 | 7.4 | --- | --- | --- | --- | --- | --- |
| 12 | 7.2 | 6.9 | 7.0 | 7.6 | 7.3 | 7.4 | --- | --- | --- | --- | --- | --- |
| 13 | 7.1 | 6.9 | 7.0 | 7.5 | 7.2 | 7.3 | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | 7.6 | 7.2 | 7.4 | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | 7.6 | 7.3 | 7.4 | --- | --- | --- | --- | --- | --- |
| 16 | 7.1 | 6.8 | 6.9 | 7.6 | 7.3 | 7.4 | --- | --- | --- | --- | --- | --- |
| 17 | 7.1 | 6.7 | 6.9 | 7.5 | 7.2 | 7.4 | --- | --- | --- | --- | --- | --- |
| 18 | 7.1 | 6.7 | 6.9 | 7.4 | 7.1 | 7.3 | --- | --- | --- | --- | --- | --- |
| 19 | 7.1 | 6.7 | 6.9 | 7.4 | 7.1 | 7.2 | --- | --- | --- | --- | --- | --- |
| 20 | 7.2 | 6.7 | 7.0 | 7.4 | 7.1 | 7.2 | --- | --- | --- | --- | --- | --- |
| 21 | 7.4 | 6.8 | 7.1 | 7.3 | 7.0 | 7.2 | --- | --- | --- | --- | --- | --- |
| 22 | 7.5 | 7.1 | 7.3 | 7.3 | 7.0 | 7.2 | --- | --- | --- | --- | --- | --- |
| 23 | 7.6 | 7.2 | 7.3 | 7.4 | 7.1 | 7.2 | --- | --- | --- | --- | --- | --- |
| 24 | 7.5 | 7.2 | 7.4 | 7.4 | 7.1 | 7.2 | --- | --- | --- | --- | --- | --- |
| 25 | 7.4 | 7.2 | 7.3 | 7.4 | 7.1 | 7.2 | --- | --- | --- | --- | --- | --- |
| 26 | 7.4 | 7.1 | 7.2 | 7.3 | 7.0 | 7.2 | --- | --- | --- | --- | --- | --- |
| 27 | 7.4 | 7.1 | 7.2 | 7.4 | 7.1 | 7.2 | --- | --- | --- | --- | --- | --- |
| 28 | 7.3 | 7.0 | 7.2 | 7.4 | 7.1 | 7.2 | --- | --- | --- | --- | --- | --- |
| 29 | 7.4 | 7.0 | 7.2 | 7.3 | 7.0 | 7.2 | --- | --- | --- | --- | --- | --- |
| 30 | 7.3 | 7.0 | 7.2 | 7.5 | 7.0 | 7.2 | --- | --- | --- | --- | --- | --- |
| 31 | 7.3 | 7.0 | 7.2 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MONTH | --- | --- | --- | 7.6 | 6.9 | 7.3 | --- | --- | --- | --- | --- | --- |

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, 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 |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| | | | | | | | | | | | | |
| 1 | 22.8 | 21.7 | 22.3 | 17.6 | 17.0 | 17.3 | 14.2 | 12.9 | 13.5 | 7.9 | 7.3 | 7.6 |
| 2 | 22.2 | 21.6 | 22.0 | 17.3 | 16.8 | 17.1 | 13.7 | 12.6 | 13.0 | 8.3 | 7.5 | 7.9 |
| 3 | --- | --- | --- | 17.6 | 16.9 | 17.3 | 13.2 | 12.1 | 12.6 | 8.9 | 7.8 | 8.3 |
| 4 | 21.7 | 20.9 | 21.4 | 18.0 | 17.3 | 17.6 | 12.7 | 11.7 | 12.1 | 9.6 | 8.4 | 9.0 |
| 5 | 21.8 | 21.0 | 21.4 | 18.3 | 17.7 | 18.0 | 12.5 | 11.4 | 12.0 | 10.9 | 9.3 | 10.0 |
| 6 | 21.8 | 21.1 | 21.4 | 18.8 | 18.1 | 18.5 | 11.9 | 10.8 | 11.5 | 10.8 | 9.9 | 10.4 |
| 7 | 21.6 | 21.3 | 21.4 | 19.1 | 18.7 | 18.9 | 11.6 | 10.6 | 11.0 | 10.4 | 9.6 | 9.9 |
| 8 | 21.5 | 21.1 | 21.3 | 19.1 | 18.6 | 18.9 | 11.1 | 10.3 | 10.7 | 10.4 | 9.2 | 9.7 |
| 9 | 21.2 | 20.8 | 21.0 | 18.7 | 17.6 | 18.1 | 11.0 | 9.8 | 10.5 | 10.2 | 9.0 | 9.5 |
| 10 | --- | --- | --- | 18.4 | 17.0 | 17.5 | 11.4 | 10.1 | 10.8 | 9.7 | 8.2 | 8.8 |
| 11 | 21.1 | 20.6 | 20.9 | 18.2 | 16.9 | 17.5 | 11.3 | 10.6 | 10.9 | 9.2 | 7.5 | 8.2 |
| 12 | 21.3 | 20.4 | 20.8 | 18.4 | 17.1 | 17.6 | 10.8 | 9.8 | 10.2 | 8.6 | 7.4 | 8.0 |
| 13 | 21.9 | 20.4 | 21.1 | 17.8 | 16.8 | 17.3 | 10.2 | 9.4 | 9.8 | 8.4 | 7.4 | 7.8 |
| 14 | 21.5 | 20.6 | 21.1 | 16.9 | 15.8 | 16.4 | 10.0 | 8.7 | 9.4 | 8.1 | 7.4 | 7.8 |
| 15 | 21.4 | 20.2 | 20.6 | 16.8 | 15.5 | 16.0 | 8.8 | 8.2 | 8.5 | 8.2 | 7.6 | 7.8 |
| 16 | 21.0 | 19.8 | 20.2 | 16.7 | 15.3 | 15.9 | 8.7 | 8.2 | 8.4 | 7.9 | 7.1 | 7.6 |
| 17 | 20.8 | 19.5 | 20.1 | 16.6 | 15.4 | 16.1 | 9.0 | 8.4 | 8.8 | 7.7 | 6.9 | 7.5 |
| 18 | 20.5 | 19.5 | 19.9 | 16.6 | 15.7 | 16.2 | 8.6 | 8.1 | 8.3 | 8.7 | 7.3 | 8.0 |
| 19 | 20.5 | 19.0 | 19.8 | 17.1 | 16.2 | 16.7 | 8.2 | 7.6 | 7.9 | 8.6 | 7.8 | 8.1 |
| 20 | 20.3 | 19.0 | 19.7 | 16.5 | 15.7 | 16.1 | 8.0 | 7.2 | 7.6 | 8.0 | 7.3 | 7.8 |
| 21 | 20.4 | 19.2 | 19.7 | 16.3 | 15.6 | 15.9 | 7.4 | 6.7 | 7.0 | 7.9 | 7.1 | 7.6 |
| 22 | 20.2 | 19.1 | 19.8 | 16.1 | 15.3 | 15.7 | 6.9 | 6.4 | 6.7 | 7.9 | 7.0 | 7.4 |
| 23 | 19.9 | 18.9 | 19.4 | 16.0 | 14.9 | 15.5 | 7.0 | 6.3 | 6.7 | 7.8 | 6.8 | 7.3 |
| 24 | 19.4 | 18.7 | 19.0 | 15.9 | 14.7 | 15.5 | 7.6 | 6.8 | 7.2 | 8.0 | 6.7 | 7.3 |
| 25 | 18.9 | 18.1 | 18.5 | 15.8 | 14.9 | 15.4 | 7.6 | 7.1 | 7.3 | 7.4 | 6.6 | 7.0 |
| 26 | 19.1 | 18.0 | 18.7 | 15.8 | 14.6 | 15.2 | 7.3 | 6.9 | 7.1 | 7.2 | 6.1 | 6.5 |
| 27 | 19.6 | 18.3 | 19.1 | 15.8 | 14.6 | 15.2 | 7.3 | 6.8 | 7.1 | 6.6 | 6.0 | 6.2 |
| 28 | 19.5 | 18.7 | 19.2 | 16.1 | 14.7 | 15.4 | 7.3 | 6.8 | 7.1 | 6.4 | 5.6 | 5.9 |
| 29 | 19.5 | 18.5 | 19.0 | 15.6 | 13.8 | 14.5 | 7.4 | 6.9 | 7.1 | 6.3 | 5.3 | 5.8 |
| 30 | 19.0 | 17.8 | 18.2 | 14.7 | 13.4 | 14.0 | 7.7 | 7.1 | 7.4 | 6.0 | 5.5 | 5.7 |
| 31 | 18.0 | 17.1 | 17.6 | --- | --- | --- | 7.9 | 7.2 | 7.5 | 5.8 | 5.1 | 5.5 |
| MONTH | --- | --- | --- | 19.1 | 13.4 | 16.6 | 14.2 | 6.3 | 9.2 | 10.9 | 5.1 | 7.8 |
| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| | | | | | | | | | | | | |
| 1 | 5.7 | 5.0 | 5.3 | 8.8 | 8.0 | 8.5 | 15.8 | 14.9 | 15.4 | 21.9 | 21.5 | 21.7 |
| 2 | 5.9 | 4.9 | 5.5 | 9.4 | 8.3 | 8.8 | 15.5 | 14.8 | 15.2 | 22.4 | 21.6 | 21.9 |
| 3 | 6.8 | 5.4 | 6.2 | 10.0 | 8.9 | 9.5 | 15.7 | 14.8 | 15.2 | 22.3 | 21.6 | 22.0 |
| 4 | 6.6 | 5.7 | 6.1 | 10.9 | 9.5 | 10.2 | 15.9 | 15.1 | 15.4 | 21.8 | 21.2 | 21.6 |
| 5 | 6.7 | 5.7 | 6.2 | 12.1 | 10.7 | 11.4 | 15.6 | 14.8 | 15.2 | 21.9 | 21.0 | 21.4 |
| 6 | 8.0 | 6.1 | 6.9 | 13.6 | 12.0 | 12.8 | 16.1 | 14.7 | 15.2 | 22.4 | 21.1 | 21.5 |
| 7 | 8.8 | 7.5 | 8.1 | 14.5 | 13.4 | 13.9 | 16.6 | 14.9 | 15.5 | 22.7 | 21.1 | 21.6 |
| 8 | 8.2 | 7.4 | 7.8 | 14.8 | 13.8 | 14.2 | 17.4 | 15.5 | 16.1 | 22.6 | 21.3 | 21.7 |
| 9 | 7.8 | 7.5 | 7.7 | 14.6 | 13.9 | 14.2 | 17.7 | 16.0 | 16.6 | 22.9 | 21.6 | 21.9 |
| 10 | 8.1 | 7.5 | 7.8 | 14.4 | 13.6 | 14.1 | 17.4 | 16.4 | 16.9 | 22.9 | 21.9 | 22.2 |
| 11 | 8.2 | 7.6 | 7.9 | 14.6 | 13.0 | 13.5 | 18.3 | 16.8 | 17.4 | 22.8 | 22.2 | 22.4 |
| 12 | 8.0 | 7.8 | 7.9 | 14.4 | 12.9 | 13.6 | 18.1 | 17.4 | 17.7 | 23.2 | 22.4 | 22.8 |
| 13 | 8.2 | 7.6 | 7.8 | 14.5 | 13.1 | 13.7 | 18.6 | 17.7 | 18.1 | 23.2 | 22.8 | 23.0 |
| 14 | 8.3 | 7.6 | 8.0 | 14.6 | 13.0 | 13.7 | --- | --- | --- | 23.6 | 22.8 | 23.2 |
| 15 | 8.4 | 7.8 | 8.1 | 14.9 | 13.3 | 14.1 | --- | --- | --- | 24.0 | 23.4 | 23.6 |
| 16 | 8.5 | 7.7 | 8.1 | 14.9 | 13.5 | 14.2 | 18.1 | 17.3 | 17.7 | 24.7 | 23.6 | 24.0 |
| 17 | 8.4 | 7.3 | 7.8 | 14.9 | 13.8 | 14.3 | 18.7 | 17.5 | 18.0 | 24.9 | 24.0 | 24.4 |
| 18 | 8.1 | 7.3 | 7.7 | 14.8 | 13.8 | 14.2 | 19.2 | 17.9 | 18.5 | 24.8 | 24.4 | 24.6 |
| 19 | 8.3 | 7.3 | 7.8 | 15.5 | 14.0 | 14.6 | 19.7 | 18.4 | 19.0 | 25.6 | 24.4 | 24.8 |
| 20 | 8.7 | 7.6 | 8.1 | 15.4 | 14.2 | 14.8 | 20.6 | 18.8 | 19.4 | 27.4 | 24.8 | 25.2 |
| 21 | 9.4 | 8.1 | 8.8 | 15.8 | 14.7 | 15.1 | 20.5 | 19.2 | 19.8 | 27.0 | 25.0 | 25.5 |
| 22 | 9.5 | 8.5 | 9.1 | 15.3 | 14.5 | 14.9 | 20.9 | 19.7 | 20.3 | 27.1 | 25.2 | 25.8 |
| 23 | 9.7 | 8.9 | 9.3 | 15.1 | 13.9 | 14.4 | 21.7 | 20.2 | 20.7 | 26.9 | 25.6 | 26.1 |
| 24 | 9.6 | 9.3 | 9.5 | 15.0 | 13.7 | 14.3 | 22.1 | 20.8 | 21.3 | 27.4 | 25.7 | 26.4 |
| 25 | 9.8 | 9.3 | 9.5 | 15.4 | 13.9 | 14.6 | 22.4 | 21.0 | 21.6 | 27.5 | 26.0 | 26.6 |
| 26 | 9.5 | 8.7 | 9.0 | 15.8 | 14.2 | 15.0 | 22.3 | 21.2 | 21.8 | 27.6 | 26.3 | 26.8 |
| 27 | 9.1 | 8.2 | 8.5 | 16.0 | 14.5 | 15.2 | 22.2 | 21.4 | 21.8 | 27.6 | 26.5 | 27.0 |
| 28 | 8.9 | 7.4 | 8.3 | 16.2 | 14.7 | 15.5 | 22.1 | 20.6 | 21.4 | 27.6 | 26.6 | 27.1 |
| 29 | 9.2 | 7.8 | 8.5 | 15.6 | 14.4 | 15.0 | 22.0 | 20.8 | 21.4 | 27.7 | 26.9 | 27.3 |
| 30 | --- | --- | --- | 15.5 | 14.4 | 15.0 | 22.3 | 21.1 | 21.7 | 27.4 | 26.7 | 27.0 |
| 31 | --- | --- | --- | 15.9 | 14.9 | 15.4 | --- | --- | --- | 27.3 | 26.8 | 27.1 |
| MONTH | 9.8 | 4.9 | 7.8 | 16.2 | 8.0 | 13.6 | --- | --- | --- | 27.7 | 21.0 | 24.1 |

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, 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 |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| | | | | | | | | | | | | |
| 1 | 27.8 | 26.8 | 27.2 | 29.0 | 28.2 | 28.5 | 29.6 | 28.9 | 29.2 | 26.9 | 26.4 | 26.6 |
| 2 | 27.9 | 27.1 | 27.4 | 28.8 | 28.4 | 28.6 | 29.7 | 29.0 | 29.3 | 26.8 | 26.0 | 26.4 |
| 3 | 28.2 | 27.2 | 27.6 | 29.0 | 28.2 | 28.5 | 29.9 | 28.8 | 29.3 | 26.3 | 25.8 | 26.1 |
| 4 | 28.0 | 27.4 | 27.6 | 29.4 | 28.2 | 28.6 | 30.4 | 28.9 | 29.4 | 26.3 | 25.4 | 25.9 |
| 5 | 28.3 | 27.2 | 27.7 | 30.1 | 28.4 | 28.9 | 30.3 | 29.1 | 29.6 | 26.3 | 25.4 | 25.9 |
| 6 | 28.0 | 27.3 | 27.6 | 30.4 | 28.7 | 29.3 | 29.7 | 28.7 | 29.1 | 26.1 | 25.5 | 25.7 |
| 7 | 28.2 | 27.3 | 27.7 | 30.5 | 29.0 | 29.4 | 28.9 | 27.5 | 28.5 | 25.6 | 25.3 | 25.4 |
| 8 | 28.2 | 27.4 | 27.8 | 29.9 | 29.2 | 29.5 | 28.8 | 27.6 | 28.3 | 25.6 | 25.1 | 25.3 |
| 9 | 28.0 | 27.5 | 27.8 | 29.9 | 28.9 | 29.3 | 28.6 | 27.4 | 28.1 | 25.7 | 25.2 | 25.4 |
| 10 | 28.2 | 27.3 | 27.7 | 30.0 | 29.0 | 29.5 | 28.7 | 27.5 | 28.1 | 25.8 | 25.5 | 25.6 |
| 11 | 28.4 | 27.5 | 27.9 | 30.1 | 29.1 | 29.5 | 28.3 | 27.7 | 28.0 | 25.6 | 25.2 | 25.4 |
| 12 | 28.3 | 27.5 | 28.0 | 29.6 | 29.1 | 29.4 | 28.1 | 27.4 | 27.8 | 25.5 | 24.8 | 25.1 |
| 13 | 28.0 | 27.3 | 27.7 | 30.0 | 29.1 | 29.5 | 27.6 | 27.2 | 27.4 | 25.1 | 24.6 | 24.9 |
| 14 | 28.1 | 27.3 | 27.7 | 30.1 | 29.3 | 29.7 | 27.3 | 26.3 | 26.9 | 24.8 | 24.1 | 24.4 |
| 15 | 28.3 | 27.4 | 27.8 | 30.3 | 29.4 | 29.8 | 26.8 | 25.4 | 26.0 | 24.4 | 23.9 | 24.2 |
| 16 | 28.2 | 27.6 | 27.9 | 30.3 | 29.4 | 29.8 | 25.8 | 25.0 | 25.2 | 24.5 | 24.1 | 24.3 |
| 17 | 27.9 | 27.5 | 27.7 | 29.8 | 29.3 | 29.5 | 25.2 | 24.3 | 24.7 | 25.0 | 24.2 | 24.6 |
| 18 | 29.1 | 27.4 | 27.9 | 30.0 | 29.0 | 29.3 | 24.9 | 23.9 | 24.5 | 24.8 | 23.8 | 24.3 |
| 19 | 29.4 | 27.9 | 28.4 | 30.1 | 28.7 | 29.3 | 25.3 | 24.0 | 24.5 | 24.0 | 23.2 | 23.5 |
| 20 | 28.7 | 28.0 | 28.3 | 30.5 | 28.8 | 29.4 | 25.0 | 24.1 | 24.6 | 23.7 | 22.6 | 23.1 |
| 21 | 29.0 | 27.5 | 28.0 | 30.5 | 28.9 | 29.5 | 25.0 | 24.4 | 24.8 | 23.5 | 22.1 | 22.8 |
| 22 | 29.2 | 27.7 | 28.3 | 30.2 | 29.1 | 29.6 | 25.2 | 24.5 | 24.9 | 23.2 | 22.3 | 22.8 |
| 23 | 29.8 | 28.0 | 28.6 | 30.0 | 29.1 | 29.5 | 25.4 | 24.5 | 25.0 | 23.0 | 22.4 | 22.7 |
| 24 | 29.2 | 28.2 | 28.7 | 30.0 | 29.1 | 29.6 | 25.7 | 24.9 | 25.3 | 23.0 | 22.5 | 22.8 |
| 25 | 29.4 | 28.2 | 28.8 | 29.7 | 29.0 | 29.5 | 25.9 | 25.2 | 25.5 | 23.2 | 22.5 | 22.9 |
| 26 | 29.0 | 28.3 | 28.6 | 30.0 | 29.1 | 29.5 | 26.0 | 25.4 | 25.7 | 23.2 | 22.6 | 23.0 |
| 27 | 28.7 | 28.2 | 28.5 | 30.0 | 29.2 | 29.5 | 26.3 | 25.6 | 25.9 | 23.8 | 22.8 | 23.3 |
| 28 | 28.9 | 28.2 | 28.5 | 29.6 | 29.1 | 29.4 | 26.6 | 25.8 | 26.2 | 24.2 | 23.5 | 23.8 |
| 29 | 29.1 | 28.3 | 28.6 | 29.2 | 28.7 | 29.0 | 26.7 | 26.1 | 26.4 | 24.4 | 23.5 | 23.9 |
| 30 | 28.8 | 28.3 | 28.6 | 29.6 | 28.6 | 29.1 | 27.0 | 26.1 | 26.4 | 24.4 | 23.7 | 24.0 |
| 31 | --- | --- | --- | 29.7 | 28.9 | 29.2 | 27.2 | 26.3 | 26.6 | --- | --- | --- |
| MONTH | 29.8 | 26.8 | 28.0 | 30.5 | 28.2 | 29.3 | 30.4 | 23.9 | 26.8 | 26.9 | 22.1 | 24.5 |

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, 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 |
|-------|------|------|------|------|------|------|------|------|------|-----|-----|------|
| | | | | | | | | | | | | |
| 1 | 24.5 | 23.9 | 24.2 | 20.9 | 19.8 | 20.1 | 15.0 | 14.5 | 14.7 | --- | --- | --- |
| 2 | 25.1 | 24.0 | 24.4 | 21.2 | 20.1 | 20.4 | --- | --- | --- | --- | --- | --- |
| 3 | 25.0 | 24.1 | 24.5 | 21.1 | 20.4 | 20.6 | --- | --- | --- | --- | --- | --- |
| 4 | 24.9 | 23.9 | 24.4 | 21.1 | 20.4 | 20.7 | --- | --- | --- | --- | --- | --- |
| 5 | 24.6 | 23.7 | 24.2 | 20.8 | 20.0 | 20.4 | --- | --- | --- | --- | --- | --- |
| 6 | 24.4 | 23.5 | 24.0 | 20.5 | 19.5 | 20.1 | --- | --- | --- | --- | --- | --- |
| 7 | 24.3 | 22.8 | 23.7 | 20.3 | 19.4 | 19.9 | --- | --- | --- | --- | --- | --- |
| 8 | 24.4 | 22.8 | 23.6 | 20.0 | 19.3 | 19.7 | --- | --- | --- | --- | --- | --- |
| 9 | --- | --- | --- | 19.7 | 18.3 | 19.1 | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | 18.8 | 17.7 | 18.4 | --- | --- | --- | --- | --- | --- |
| 11 | 23.8 | 23.0 | 23.5 | 18.0 | 17.7 | 17.8 | --- | --- | --- | --- | --- | --- |
| 12 | 23.5 | 22.8 | 23.2 | 17.9 | 17.5 | 17.7 | --- | --- | --- | --- | --- | --- |
| 13 | 23.5 | 22.8 | 23.2 | 17.8 | 16.9 | 17.4 | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | 17.1 | 16.0 | 16.4 | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | 16.2 | 15.4 | 15.7 | --- | --- | --- | --- | --- | --- |
| 16 | 22.4 | 21.4 | 21.8 | 15.5 | 14.9 | 15.1 | --- | --- | --- | --- | --- | --- |
| 17 | 21.8 | 21.0 | 21.4 | 15.0 | 14.4 | 14.7 | --- | --- | --- | --- | --- | --- |
| 18 | 21.8 | 20.9 | 21.3 | 14.7 | 14.1 | 14.5 | --- | --- | --- | --- | --- | --- |
| 19 | 22.0 | 21.2 | 21.5 | 14.7 | 13.9 | 14.3 | --- | --- | --- | --- | --- | --- |
| 20 | 21.9 | 21.6 | 21.7 | 14.9 | 13.9 | 14.4 | --- | --- | --- | --- | --- | --- |
| 21 | 21.7 | 21.2 | 21.5 | 15.1 | 13.8 | 14.5 | --- | --- | --- | --- | --- | --- |
| 22 | 21.5 | 20.6 | 21.2 | 15.1 | 14.2 | 14.7 | --- | --- | --- | --- | --- | --- |
| 23 | 21.1 | 20.2 | 20.8 | 15.2 | 14.4 | 14.9 | --- | --- | --- | --- | --- | --- |
| 24 | 20.6 | 20.0 | 20.3 | 15.6 | 14.7 | 15.2 | --- | --- | --- | --- | --- | --- |
| 25 | 20.1 | 19.7 | 19.9 | 16.2 | 15.3 | 15.7 | --- | --- | --- | --- | --- | --- |
| 26 | 19.7 | 19.4 | 19.6 | 15.6 | 14.9 | 15.3 | --- | --- | --- | --- | --- | --- |
| 27 | 19.6 | 19.0 | 19.4 | 15.4 | 14.6 | 15.0 | --- | --- | --- | --- | --- | --- |
| 28 | 19.6 | 19.2 | 19.4 | 15.4 | 14.9 | 15.1 | --- | --- | --- | --- | --- | --- |
| 29 | 19.4 | 19.0 | 19.1 | 15.2 | 14.5 | 14.8 | --- | --- | --- | --- | --- | --- |
| 30 | 20.2 | 18.9 | 19.4 | 15.0 | 14.2 | 14.6 | --- | --- | --- | --- | --- | --- |
| 31 | 20.8 | 19.4 | 19.8 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MONTH | --- | --- | --- | 21.2 | 13.8 | 16.9 | --- | --- | --- | --- | --- | --- |

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

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

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
|-------|----------|------|------|----------|------|------|----------|------|------|---------|------|------|
| | OCTOBER | | | NOVEMBER | | | DECEMBER | | | JANUARY | | |
| 1 | 22.7 | 21.7 | 22.3 | 17.7 | 17.0 | 17.3 | 14.7 | 13.2 | 13.9 | 8.3 | 7.5 | 7.8 |
| 2 | 22.4 | 21.6 | 22.0 | 17.4 | 16.8 | 17.1 | 14.4 | 12.8 | 13.5 | 8.8 | 7.6 | 8.1 |
| 3 | --- | --- | --- | 17.8 | 17.0 | 17.3 | 14.0 | 12.3 | 13.1 | 9.1 | 7.9 | 8.6 |
| 4 | 21.8 | 20.9 | 21.4 | 18.0 | 17.3 | 17.7 | 13.4 | 12.0 | 12.7 | 9.6 | 8.5 | 9.1 |
| 5 | 21.6 | 21.1 | 21.4 | 18.3 | 17.7 | 18.0 | 12.9 | 11.9 | 12.4 | 10.6 | 9.3 | 10 |
| 6 | 21.6 | 21.2 | 21.4 | 18.9 | 18.1 | 18.5 | 12.4 | 11.3 | 11.9 | 10.8 | 10.1 | 10.5 |
| 7 | 21.6 | 21.3 | 21.4 | 19.1 | 18.7 | 18.9 | 11.9 | 10.9 | 11.4 | 10.9 | 9.9 | 10.3 |
| 8 | 21.5 | 21.2 | 21.3 | 19.2 | 18.7 | 19.0 | 11.4 | 10.6 | 11.0 | 11.0 | 9.4 | 10.1 |
| 9 | 21.3 | 20.8 | 21.0 | 19.1 | 17.7 | 18.3 | 11.1 | 10.3 | 10.7 | 10.4 | 9.2 | 9.8 |
| 10 | --- | --- | --- | 18.9 | 17.1 | 17.8 | 11.3 | 10.3 | 10.9 | 10.1 | 8.4 | 9.2 |
| 11 | 21.2 | 20.6 | 20.9 | 18.5 | 17.0 | 17.7 | 11.3 | 10.7 | 11.1 | 9.7 | 7.8 | 8.7 |
| 12 | 21.3 | 20.3 | 20.9 | 18.2 | 17.2 | 17.7 | 11.1 | 10.1 | 10.4 | 9.0 | 7.7 | 8.3 |
| 13 | 21.8 | 20.4 | 21.0 | 18.0 | 16.8 | 17.4 | 10.6 | 9.5 | 10.0 | 8.5 | 7.5 | 8.1 |
| 14 | 21.4 | 20.6 | 21.1 | 17.5 | 16.1 | 16.7 | 10.8 | 8.8 | 9.8 | 8.2 | 7.6 | 7.9 |
| 15 | 21.4 | 20.2 | 20.7 | 17.4 | 15.6 | 16.4 | 9.6 | 8.3 | 8.7 | 8.0 | 7.7 | 7.9 |
| 16 | 21.0 | 19.7 | 20.4 | 17.1 | 15.3 | 16.3 | 8.8 | 8.3 | 8.5 | 8.0 | 7.3 | 7.7 |
| 17 | 21.1 | 19.4 | 20.2 | 16.9 | 15.5 | 16.4 | 9.1 | 8.4 | 8.8 | 7.8 | 7.2 | 7.6 |
| 18 | 21.2 | 19.4 | 20.3 | 16.8 | 15.8 | 16.5 | 8.7 | 8.2 | 8.4 | 8.5 | 7.6 | 8.0 |
| 19 | 21.1 | 19.4 | 20.3 | 17.0 | 16.3 | 16.7 | 8.3 | 7.8 | 8.0 | 8.5 | 7.8 | 8.2 |
| 20 | 20.7 | 19.1 | 20.0 | 16.7 | 15.9 | 16.3 | 8.1 | 7.4 | 7.7 | 8.2 | 7.4 | 8.0 |
| 21 | 20.5 | 19.2 | 19.9 | 16.5 | 15.7 | 16.1 | 7.5 | 6.8 | 7.1 | 8.0 | 7.4 | 7.7 |
| 22 | 20.4 | 19.2 | 19.9 | 16.2 | 15.4 | 15.8 | 7.0 | 6.5 | 6.8 | 7.9 | 7.2 | 7.6 |
| 23 | 20.0 | 19.0 | 19.5 | 16.0 | 14.9 | 15.6 | 7.1 | 6.5 | 6.8 | 7.7 | 7.2 | 7.4 |
| 24 | 19.5 | 18.7 | 19.0 | 16.0 | 14.7 | 15.6 | 7.8 | 6.9 | 7.3 | 7.9 | 7.0 | 7.4 |
| 25 | 19.0 | 18.1 | 18.6 | 16.0 | 15.0 | 15.5 | 7.7 | 7.2 | 7.4 | 7.6 | 6.8 | 7.2 |
| 26 | 19.1 | 18.0 | 18.7 | 15.9 | 14.7 | 15.3 | 7.5 | 7.0 | 7.2 | 7.4 | 6.3 | 6.8 |
| 27 | 19.6 | 18.4 | 19.0 | 15.8 | 14.7 | 15.3 | 7.4 | 7.0 | 7.2 | 7.0 | 6.2 | 6.5 |
| 28 | 19.5 | 18.8 | 19.2 | 16.1 | 14.8 | 15.5 | 7.4 | 6.9 | 7.2 | 6.9 | 5.7 | 6.2 |
| 29 | 19.5 | 18.4 | 19.0 | 15.8 | 13.9 | 14.7 | 7.5 | 7.1 | 7.2 | 6.6 | 5.6 | 6.1 |
| 30 | 19.2 | 17.8 | 18.3 | 15.1 | 13.6 | 14.3 | 7.8 | 7.2 | 7.5 | 6.4 | 5.5 | 6.0 |
| 31 | 18.2 | 17.1 | 17.6 | --- | --- | --- | 7.9 | 7.4 | 7.6 | 6.3 | 5.4 | 5.9 |
| MONTH | --- | --- | --- | 19.2 | 13.6 | 16.7 | 14.7 | 6.5 | 9.4 | 11.0 | 5.4 | 8.0 |
| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| | FEBRUARY | | | MARCH | | | APRIL | | | MAY | | |
| 1 | 6.2 | 5.2 | 5.7 | 8.9 | 8.3 | 8.5 | 15.8 | 15.1 | 15.4 | 21.9 | 21.4 | 21.7 |
| 2 | 6.2 | 5.2 | 5.8 | 9.5 | 8.5 | 8.9 | 15.5 | 15.0 | 15.2 | 22.3 | 21.6 | 21.9 |
| 3 | 6.7 | 5.6 | 6.3 | 10.1 | 9.0 | 9.6 | 15.6 | 15.0 | 15.2 | 22.4 | 21.7 | 22.1 |
| 4 | 6.5 | 5.8 | 6.3 | 10.9 | 9.5 | 10.2 | 16.0 | 15.1 | 15.4 | 21.8 | 21.4 | 21.7 |
| 5 | 6.6 | 5.9 | 6.3 | 12.2 | 10.8 | 11.4 | 15.7 | 14.9 | 15.2 | 21.8 | 21.0 | 21.4 |
| 6 | 7.8 | 6.3 | 6.9 | 13.6 | 12.1 | 12.9 | 16.0 | 14.8 | 15.3 | 22.1 | 21.1 | 21.5 |
| 7 | 8.6 | 7.3 | 8.0 | 14.6 | 13.5 | 14.0 | 16.4 | 15.0 | 15.5 | 22.4 | 21.0 | 21.5 |
| 8 | 8.2 | 7.6 | 7.9 | 14.8 | 13.8 | 14.2 | 17.0 | 15.4 | 16.0 | 22.5 | 21.1 | 21.6 |
| 9 | 7.9 | 7.6 | 7.8 | 14.6 | 14.0 | 14.3 | 17.8 | 16.0 | 16.5 | 22.6 | 21.5 | 21.8 |
| 10 | 8.2 | 7.6 | 7.9 | 14.6 | 13.6 | 14.1 | 17.4 | 16.3 | 16.8 | 22.7 | 21.8 | 22.1 |
| 11 | 8.2 | 7.6 | 8.0 | 14.1 | 13.0 | 13.5 | 18.1 | 16.8 | 17.3 | 22.8 | 22.1 | 22.4 |
| 12 | 8.1 | 7.9 | 7.9 | 14.5 | 13.0 | 13.5 | 18.0 | 17.2 | 17.7 | 23.1 | 22.3 | 22.7 |
| 13 | 8.2 | 7.7 | 7.9 | 14.6 | 13.1 | 13.7 | 18.5 | 17.7 | 18.1 | 23.2 | 22.7 | 23.0 |
| 14 | 8.4 | 7.8 | 8.1 | 14.7 | 13.1 | 13.6 | 18.6 | 17.6 | 18.1 | 23.6 | 22.8 | 23.2 |
| 15 | 8.5 | 7.9 | 8.2 | 15.0 | 13.1 | 14.0 | 17.8 | 17.3 | 17.6 | 24.0 | 23.4 | 23.6 |
| 16 | 8.6 | 7.8 | 8.2 | 15.0 | 13.4 | 14.1 | 18.1 | 17.4 | 17.7 | 24.3 | 23.7 | 24.0 |
| 17 | 8.5 | 7.6 | 7.9 | 15.0 | 13.7 | 14.3 | 18.7 | 17.6 | 18.0 | 24.9 | 24.0 | 24.4 |
| 18 | 8.1 | 7.5 | 7.8 | 14.9 | 13.8 | 14.3 | 19.3 | 17.9 | 18.5 | 24.9 | 24.4 | 24.6 |
| 19 | 8.3 | 7.4 | 7.8 | 15.6 | 14.1 | 14.7 | 19.8 | 18.4 | 19.0 | 25.2 | 24.4 | 24.8 |
| 20 | 8.7 | 7.7 | 8.2 | 15.4 | 14.3 | 14.8 | 20.2 | 18.8 | 19.4 | 26.3 | 24.8 | 25.1 |
| 21 | 9.5 | 8.2 | 8.8 | 15.8 | 14.8 | 15.2 | 20.5 | 19.3 | 19.8 | 26.2 | 25.0 | 25.3 |
| 22 | 9.6 | 8.6 | 9.2 | 15.3 | 14.6 | 15.0 | 20.9 | 19.7 | 20.3 | 26.8 | 25.2 | 25.6 |
| 23 | 9.8 | 8.9 | 9.3 | 15.2 | 14.1 | 14.5 | 21.3 | 20.3 | 20.7 | 26.9 | 25.5 | 25.9 |
| 24 | 9.7 | 9.4 | 9.6 | 15.0 | 13.8 | 14.4 | 22.1 | 20.8 | 21.2 | 27.2 | 25.8 | 26.2 |
| 25 | 9.8 | 9.3 | 9.5 | 15.3 | 13.9 | 14.5 | 22.2 | 21.0 | 21.4 | 27.3 | 26.0 | 26.4 |
| 26 | 9.6 | 8.8 | 9.2 | 15.8 | 14.2 | 14.9 | 22.3 | 21.1 | 21.6 | 27.2 | 26.2 | 26.6 |
| 27 | 9.5 | 8.3 | 8.8 | 15.9 | 14.4 | 15.0 | 22.1 | 21.2 | 21.6 | 27.2 | 26.5 | 26.8 |
| 28 | 8.9 | 7.9 | 8.5 | 15.9 | 14.5 | 15.1 | 21.8 | 21.0 | 21.3 | 27.3 | 26.6 | 26.9 |
| 29 | 8.8 | 8.1 | 8.5 | 15.2 | 14.5 | 14.9 | 21.6 | 20.8 | 21.3 | 27.5 | 26.9 | 27.1 |
| 30 | --- | --- | --- | 15.2 | 14.7 | 15.0 | 22.0 | 21.2 | 21.6 | 27.1 | 26.7 | 27.0 |
| 31 | --- | --- | --- | 15.7 | 15.0 | 15.3 | --- | --- | --- | 27.2 | 26.9 | 27.0 |
| MONTH | 9.8 | 5.2 | 7.9 | 15.9 | 8.3 | 13.6 | 22.3 | 14.8 | 18.3 | 27.5 | 21.0 | 24.1 |

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

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

| DAY | JUNE | | | JULY | | | AUGUST | | | SEPTEMBER | | |
|-------|------|------|------|------|------|------|--------|------|------|-----------|------|------|
| | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| 1 | 27.5 | 26.9 | 27.2 | 29.0 | 28.2 | 28.5 | 29.5 | 28.9 | 29.2 | 26.9 | 26.4 | 26.6 |
| 2 | 27.8 | 27.1 | 27.4 | 28.8 | 28.4 | 28.5 | 29.7 | 29.0 | 29.3 | 26.8 | 26.0 | 26.3 |
| 3 | 28.1 | 27.2 | 27.5 | 29.0 | 28.2 | 28.5 | 29.8 | 28.9 | 29.3 | 26.3 | 25.6 | 26.1 |
| 4 | 27.9 | 27.3 | 27.6 | 29.3 | 28.2 | 28.6 | 30.3 | 28.9 | 29.3 | 26.3 | 25.3 | 25.9 |
| 5 | 28.2 | 27.2 | 27.6 | 29.7 | 28.4 | 28.8 | 30.2 | 29.2 | 29.5 | 26.3 | 25.3 | 25.8 |
| 6 | 27.9 | 27.3 | 27.5 | 30.2 | 28.7 | 29.1 | 29.7 | 28.9 | 29.2 | 26.1 | 25.3 | 25.7 |
| 7 | 28.1 | 27.3 | 27.6 | 30.1 | 28.9 | 29.3 | 29.2 | 27.9 | 28.7 | 26.0 | 25.3 | 25.5 |
| 8 | 28.1 | 27.4 | 27.7 | 29.7 | 29.2 | 29.4 | 28.8 | 27.7 | 28.4 | 25.6 | 25.1 | 25.4 |
| 9 | 28.0 | 27.5 | 27.7 | 29.5 | 29.0 | 29.3 | 28.4 | 27.9 | 28.2 | 25.7 | 25.2 | 25.4 |
| 10 | 27.9 | 27.4 | 27.7 | 29.6 | 29.2 | 29.5 | 28.1 | 27.8 | 28.0 | 25.8 | 25.5 | 25.6 |
| 11 | 28.2 | 27.6 | 27.9 | 29.7 | 29.3 | 29.6 | 28.2 | 27.8 | 28.0 | 25.6 | 25.2 | 25.4 |
| 12 | 28.2 | 27.7 | 28.0 | 29.7 | 29.3 | 29.5 | 28.0 | 27.5 | 27.9 | 25.5 | 24.8 | 25.1 |
| 13 | 28.0 | 27.5 | 27.8 | 29.7 | 29.3 | 29.5 | 27.7 | 27.4 | 27.5 | 25.2 | 24.6 | 24.9 |
| 14 | 28.0 | 27.4 | 27.7 | 30.0 | 29.4 | 29.7 | 27.6 | 26.5 | 27.1 | 24.8 | 24.1 | 24.4 |
| 15 | 28.1 | 27.6 | 27.8 | 30.1 | 29.6 | 29.8 | 27.0 | 25.3 | 26.1 | 24.4 | 23.9 | 24.2 |
| 16 | 28.1 | 27.7 | 27.8 | 30.1 | 29.6 | 29.8 | 26.0 | 25.0 | 25.2 | 24.5 | 24.0 | 24.3 |
| 17 | 27.8 | 27.6 | 27.7 | 29.9 | 29.4 | 29.6 | 25.1 | 24.2 | 24.6 | 25.0 | 24.2 | 24.5 |
| 18 | 28.7 | 27.5 | 27.9 | 29.6 | 29.1 | 29.3 | 24.8 | 23.9 | 24.4 | 24.8 | 23.8 | 24.3 |
| 19 | 29.1 | 27.9 | 28.2 | 29.6 | 28.9 | 29.2 | 25.1 | 23.9 | 24.5 | 24.0 | 23.2 | 23.5 |
| 20 | 28.7 | 27.9 | 28.2 | 30.1 | 29.0 | 29.3 | 24.9 | 24.0 | 24.5 | 24.3 | 22.6 | 23.2 |
| 21 | 28.6 | 27.6 | 28.0 | 30.0 | 29.0 | 29.4 | 25.0 | 24.4 | 24.7 | 23.9 | 22.2 | 23.1 |
| 22 | 28.8 | 27.9 | 28.2 | 29.9 | 29.1 | 29.4 | 25.1 | 24.5 | 24.8 | 23.6 | 22.3 | 22.9 |
| 23 | 29.0 | 28.1 | 28.4 | 29.8 | 29.1 | 29.4 | 25.4 | 24.5 | 25.0 | 23.1 | 22.4 | 22.8 |
| 24 | 28.8 | 28.2 | 28.5 | 29.7 | 29.2 | 29.4 | 25.6 | 24.9 | 25.3 | 23.1 | 22.6 | 22.8 |
| 25 | 28.9 | 28.2 | 28.5 | 29.6 | 29.1 | 29.4 | 25.8 | 25.1 | 25.4 | 23.3 | 22.6 | 22.9 |
| 26 | 28.8 | 28.3 | 28.5 | 29.5 | 29.1 | 29.4 | 26.1 | 25.4 | 25.7 | 23.3 | 22.8 | 23.0 |
| 27 | 28.5 | 28.3 | 28.4 | 29.6 | 29.2 | 29.4 | 26.3 | 25.6 | 25.9 | 23.7 | 22.9 | 23.3 |
| 28 | 28.6 | 28.2 | 28.4 | 29.4 | 29.1 | 29.3 | 26.6 | 25.8 | 26.2 | 24.1 | 23.5 | 23.8 |
| 29 | 28.8 | 28.3 | 28.5 | 29.2 | 28.7 | 29.0 | 26.7 | 26.1 | 26.4 | 24.4 | 23.5 | 23.9 |
| 30 | 28.8 | 28.3 | 28.5 | 29.4 | 28.7 | 29.0 | 26.8 | 26.1 | 26.4 | 24.4 | 23.7 | 24.1 |
| 31 | --- | --- | --- | 29.5 | 28.9 | 29.2 | 27.0 | 26.3 | 26.6 | --- | --- | --- |
| MONTH | 29.1 | 26.9 | 27.9 | 30.2 | 28.2 | 29.3 | 30.3 | 23.9 | 26.8 | 26.9 | 22.2 | 24.5 |

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

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 |
|-------|------|------|------|------|------|------|------|------|------|-----|-----|------|
| | | | | | | | | | | | | |
| 1 | 24.5 | 24.0 | 24.2 | 20.6 | 19.7 | 20.0 | 15.1 | 14.6 | 14.8 | --- | --- | --- |
| 2 | 25.1 | 24.0 | 24.4 | 20.8 | 20.0 | 20.3 | --- | --- | --- | --- | --- | --- |
| 3 | 25.0 | 24.2 | 24.5 | 20.8 | 20.3 | 20.5 | --- | --- | --- | --- | --- | --- |
| 4 | 24.9 | 24.2 | 24.5 | 20.9 | 20.5 | 20.7 | --- | --- | --- | --- | --- | --- |
| 5 | 24.8 | 24.0 | 24.4 | 21.0 | 20.3 | 20.6 | --- | --- | --- | --- | --- | --- |
| 6 | 25.0 | 23.7 | 24.3 | 20.9 | 19.7 | 20.4 | --- | --- | --- | --- | --- | --- |
| 7 | 25.2 | 23.6 | 24.3 | 20.6 | 19.6 | 20.1 | --- | --- | --- | --- | --- | --- |
| 8 | 25.0 | 23.5 | 24.2 | 20.3 | 19.4 | 19.8 | --- | --- | --- | --- | --- | --- |
| 9 | --- | --- | --- | 20.0 | 18.5 | 19.3 | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | 19.1 | 17.8 | 18.6 | --- | --- | --- | --- | --- | --- |
| 11 | 23.8 | 23.2 | 23.6 | 18.2 | 17.8 | 17.9 | --- | --- | --- | --- | --- | --- |
| 12 | 23.4 | 23.0 | 23.2 | 17.9 | 17.5 | 17.8 | --- | --- | --- | --- | --- | --- |
| 13 | 23.4 | 22.9 | 23.1 | 17.8 | 17.1 | 17.5 | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | 17.2 | 16.3 | 16.6 | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | 16.3 | 15.6 | 15.8 | --- | --- | --- | --- | --- | --- |
| 16 | 22.6 | 21.5 | 21.9 | 15.6 | 15.0 | 15.2 | --- | --- | --- | --- | --- | --- |
| 17 | 21.9 | 20.9 | 21.4 | 15.0 | 14.5 | 14.8 | --- | --- | --- | --- | --- | --- |
| 18 | 21.7 | 20.9 | 21.3 | 14.8 | 14.3 | 14.5 | --- | --- | --- | --- | --- | --- |
| 19 | 21.9 | 21.2 | 21.4 | 14.7 | 14.2 | 14.4 | --- | --- | --- | --- | --- | --- |
| 20 | 21.8 | 21.5 | 21.6 | 14.8 | 14.2 | 14.4 | --- | --- | --- | --- | --- | --- |
| 21 | 21.8 | 21.2 | 21.5 | 15.1 | 14.2 | 14.6 | --- | --- | --- | --- | --- | --- |
| 22 | 21.7 | 20.8 | 21.3 | 15.1 | 14.4 | 14.7 | --- | --- | --- | --- | --- | --- |
| 23 | 21.4 | 20.2 | 20.8 | 15.2 | 14.7 | 14.9 | --- | --- | --- | --- | --- | --- |
| 24 | 20.7 | 20.0 | 20.3 | 15.6 | 15.0 | 15.3 | --- | --- | --- | --- | --- | --- |
| 25 | 20.2 | 19.7 | 19.9 | 16.2 | 15.4 | 15.8 | --- | --- | --- | --- | --- | --- |
| 26 | 19.7 | 19.4 | 19.6 | 15.7 | 15.1 | 15.5 | --- | --- | --- | --- | --- | --- |
| 27 | 19.6 | 19.1 | 19.3 | 15.4 | 14.7 | 15.1 | --- | --- | --- | --- | --- | --- |
| 28 | 19.5 | 19.2 | 19.3 | 15.4 | 15.1 | 15.2 | --- | --- | --- | --- | --- | --- |
| 29 | 19.4 | 19.0 | 19.1 | 15.3 | 14.6 | 14.9 | --- | --- | --- | --- | --- | --- |
| 30 | 19.9 | 18.9 | 19.3 | 15.1 | 14.4 | 14.8 | --- | --- | --- | --- | --- | --- |
| 31 | 20.4 | 19.4 | 19.7 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MONTH | --- | --- | --- | 21.0 | 14.2 | 17.0 | --- | --- | --- | --- | --- | --- |

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

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 |
|-------|------|------|------|------|-----|------|------|-----|------|------|------|------|
| | | | | | | | | | | | | |
| 1 | 5.6 | 4.9 | 5.2 | 5.9 | 5.0 | 5.4 | 7.7 | 7.1 | 7.4 | 9.7 | 9.0 | 9.3 |
| 2 | 5.4 | 4.8 | 5.2 | 5.7 | 4.2 | 5.1 | 7.8 | 7.1 | 7.5 | 9.5 | 9.0 | 9.2 |
| 3 | --- | --- | --- | 5.7 | 4.3 | 4.9 | 7.9 | 7.2 | 7.6 | 9.5 | 8.8 | 9.0 |
| 4 | 5.3 | 4.9 | 5.1 | 5.4 | 4.1 | 4.7 | 8.1 | 7.5 | 7.7 | 9.5 | 8.8 | 9.0 |
| 5 | 5.2 | 4.6 | 5.0 | 5.0 | 3.8 | 4.4 | 8.0 | 7.6 | 7.8 | 9.4 | 8.8 | 9.0 |
| 6 | 5.2 | 4.6 | 4.9 | 4.8 | 3.8 | 4.3 | 8.3 | 7.8 | 8.0 | 9.4 | 8.9 | 9.1 |
| 7 | 5.1 | 4.6 | 4.8 | 4.6 | 3.3 | 4.1 | 8.4 | 7.9 | 8.2 | 9.4 | 8.8 | 9.1 |
| 8 | 5.6 | 4.7 | 5.1 | 4.7 | 3.3 | 4.1 | 8.5 | 8.0 | 8.2 | 9.4 | 8.1 | 8.8 |
| 9 | 5.7 | 4.9 | 5.3 | 5.2 | 3.7 | 4.5 | 8.7 | 8.0 | 8.2 | 8.6 | 8.0 | 8.3 |
| 10 | --- | --- | --- | 5.4 | 3.8 | 4.8 | 8.6 | 8.1 | 8.3 | 8.7 | 7.9 | 8.4 |
| 11 | 5.4 | 4.6 | 5.0 | 5.3 | 3.6 | 4.6 | 8.8 | 8.2 | 8.5 | 8.7 | 8.1 | 8.4 |
| 12 | 5.3 | 4.5 | 4.9 | 5.2 | 3.5 | 4.5 | 8.8 | 8.2 | 8.4 | 8.7 | 8.3 | 8.5 |
| 13 | 5.2 | 4.3 | 4.7 | 5.6 | 4.2 | 5.0 | 8.8 | 8.1 | 8.4 | 8.8 | 8.3 | 8.6 |
| 14 | 5.1 | 4.1 | 4.6 | 5.8 | 4.9 | 5.4 | 9.3 | 8.5 | 8.8 | 8.9 | 8.5 | 8.6 |
| 15 | 5.1 | 4.4 | 4.7 | 5.9 | 5.0 | 5.4 | 9.5 | 8.8 | 9.0 | 8.9 | 8.5 | 8.7 |
| 16 | 5.0 | 4.1 | 4.5 | 5.8 | 5.0 | 5.3 | 9.4 | 8.4 | 8.8 | 8.9 | 8.7 | 8.8 |
| 17 | 4.9 | 4.1 | 4.4 | 5.8 | 5.0 | 5.4 | 9.2 | 8.4 | 8.7 | 9.1 | 8.6 | 8.8 |
| 18 | 5.3 | 4.1 | 4.7 | 5.9 | 5.1 | 5.5 | 9.3 | 8.4 | 8.8 | 9.2 | 8.7 | 8.8 |
| 19 | 5.4 | 4.0 | 4.8 | 6.5 | 5.4 | 6.0 | 9.4 | 8.4 | 8.8 | 9.2 | 8.7 | 8.9 |
| 20 | 5.3 | 3.5 | 4.4 | 6.4 | 5.8 | 6.1 | 9.5 | 8.5 | 8.9 | 9.2 | 8.8 | 9.0 |
| 21 | 5.6 | 3.5 | 4.6 | 6.4 | 6.0 | 6.1 | 9.7 | 8.6 | 9.1 | 9.3 | 8.8 | 9.0 |
| 22 | 5.6 | 3.7 | 4.7 | 6.5 | 6.0 | 6.2 | 10.0 | 8.7 | 9.2 | 9.4 | 9.0 | 9.1 |
| 23 | 5.7 | 3.9 | 4.9 | 6.5 | 5.8 | 6.1 | 10.0 | 8.8 | 9.4 | 9.7 | 9.1 | 9.3 |
| 24 | 6.0 | 4.0 | 5.1 | 6.6 | 5.8 | 6.3 | 9.9 | 9.0 | 9.4 | 9.7 | 9.2 | 9.4 |
| 25 | 6.1 | 4.2 | 5.3 | 7.0 | 6.0 | 6.5 | 9.9 | 9.1 | 9.4 | 9.9 | 9.3 | 9.5 |
| 26 | 6.2 | 4.2 | 5.3 | 7.0 | 6.2 | 6.7 | 9.9 | 9.1 | 9.4 | 9.8 | 9.3 | 9.6 |
| 27 | 5.9 | 4.1 | 5.1 | 7.1 | 6.5 | 6.8 | 9.8 | 9.2 | 9.5 | 10.0 | 9.5 | 9.8 |
| 28 | 5.7 | 4.1 | 5.0 | 7.2 | 6.4 | 6.9 | 9.8 | 9.2 | 9.5 | 10.2 | 9.6 | 9.9 |
| 29 | 6.1 | 4.3 | 5.3 | 7.4 | 6.8 | 7.2 | 9.8 | 9.1 | 9.4 | 10.2 | 9.8 | 10.0 |
| 30 | 5.9 | 4.1 | 5.2 | 7.6 | 7.1 | 7.3 | 9.9 | 9.2 | 9.4 | 10.4 | 10.0 | 10.1 |
| 31 | 6.8 | 4.2 | 5.3 | --- | --- | --- | 9.9 | 9.2 | 9.4 | 10.3 | 9.9 | 10.2 |
| MONTH | --- | --- | --- | 7.6 | 3.3 | 5.5 | 10.0 | 7.1 | 8.7 | 10.4 | 7.9 | 9.1 |
| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| | | | | | | | | | | | | |
| 1 | 10.4 | 10.0 | 10.2 | 10.2 | 9.4 | 9.7 | 7.7 | 7.0 | 7.3 | --- | --- | --- |
| 2 | 10.5 | 10.0 | 10.3 | 10.5 | 9.8 | 10.0 | 7.6 | 7.0 | 7.2 | --- | --- | --- |
| 3 | 10.6 | 10.1 | 10.3 | 10.7 | 9.9 | 10.1 | 7.5 | 7.0 | 7.2 | --- | --- | --- |
| 4 | 10.9 | 10.2 | 10.5 | 10.3 | 9.6 | 9.9 | 7.6 | 7.0 | 7.2 | --- | --- | --- |
| 5 | 11.0 | 10.4 | 10.6 | 10.0 | 9.4 | 9.7 | 7.8 | 7.3 | 7.5 | --- | --- | --- |
| 6 | 11.2 | 10.5 | 10.7 | 9.7 | 9.2 | 9.4 | 7.8 | 7.3 | 7.5 | --- | --- | --- |
| 7 | 11.5 | 10.5 | 10.8 | 9.2 | 8.5 | 8.9 | 7.9 | 7.4 | 7.6 | 5.7 | 4.9 | 5.2 |
| 8 | 11.5 | 10.7 | 11.0 | 8.9 | 8.1 | 8.5 | 7.8 | 7.3 | 7.6 | 5.5 | 4.6 | 5.1 |
| 9 | 11.2 | 10.8 | 11.0 | 8.3 | 7.8 | 8.0 | 7.8 | 7.3 | 7.6 | 5.3 | 4.4 | 4.9 |
| 10 | 11.3 | 10.4 | 10.8 | 8.2 | 7.7 | 7.9 | 7.8 | 7.2 | 7.5 | 5.1 | 4.3 | 4.7 |
| 11 | 10.9 | 10.2 | 10.6 | 8.2 | 7.8 | 8.0 | 7.7 | 7.2 | 7.4 | 4.8 | 4.3 | 4.5 |
| 12 | 10.9 | 10.3 | 10.6 | 8.0 | 7.6 | 7.9 | 7.7 | 7.1 | 7.3 | 4.7 | 4.2 | 4.5 |
| 13 | 10.8 | 10.2 | 10.5 | 8.1 | 7.5 | 7.8 | 7.7 | 7.1 | 7.4 | 4.6 | 3.8 | 4.2 |
| 14 | 10.6 | 10.0 | 10.3 | 8.3 | 7.4 | 7.8 | --- | --- | --- | 4.5 | 3.8 | 4.1 |
| 15 | 10.5 | 9.8 | 10.1 | 8.2 | 7.4 | 7.8 | --- | --- | --- | 4.5 | 3.9 | 4.2 |
| 16 | 10.5 | 9.7 | 10.1 | 8.1 | 7.3 | 7.7 | --- | --- | --- | 4.5 | 4.0 | 4.2 |
| 17 | 10.6 | 9.6 | 10.1 | 7.9 | 7.3 | 7.6 | --- | --- | --- | 4.5 | 4.1 | 4.3 |
| 18 | 10.6 | 9.7 | 10.1 | 7.9 | 7.3 | 7.6 | --- | --- | --- | 4.6 | 4.1 | 4.3 |
| 19 | 10.5 | 9.9 | 10.2 | 8.1 | 7.4 | 7.7 | --- | --- | --- | 4.8 | 4.0 | 4.4 |
| 20 | 10.8 | 9.9 | 10.3 | 8.1 | 7.5 | 7.8 | --- | --- | --- | 5.0 | 4.0 | 4.5 |
| 21 | 10.7 | 10.1 | 10.4 | 8.3 | 7.6 | 8.0 | --- | --- | --- | 4.9 | 4.4 | 4.6 |
| 22 | 10.6 | 9.8 | 10.2 | 8.4 | 7.5 | 8.0 | --- | --- | --- | 5.1 | 4.4 | 4.6 |
| 23 | 10.5 | 9.7 | 10.1 | 8.4 | 7.8 | 8.1 | --- | --- | --- | 5.3 | 4.7 | 4.8 |
| 24 | 10.1 | 9.6 | 9.9 | 8.5 | 7.5 | 8.0 | --- | --- | --- | --- | --- | --- |
| 25 | 10.1 | 9.6 | 9.8 | 8.6 | 7.4 | 7.9 | --- | --- | --- | 5.2 | 4.7 | 4.9 |
| 26 | 10.1 | 9.7 | 9.9 | 8.4 | 7.4 | 7.8 | --- | --- | --- | 5.4 | 4.6 | 4.9 |
| 27 | 10.2 | 9.4 | 9.8 | 8.3 | 7.4 | 7.7 | --- | --- | --- | 5.2 | 4.8 | 4.9 |
| 28 | 10.0 | 9.5 | 9.7 | 8.2 | 7.4 | 7.6 | --- | --- | --- | 5.5 | 4.8 | 5.0 |
| 29 | 10.1 | 9.4 | 9.5 | 8.0 | 7.4 | 7.6 | --- | --- | --- | 5.0 | 4.6 | 4.8 |
| 30 | --- | --- | --- | 8.0 | 7.2 | 7.5 | --- | --- | --- | 5.0 | 4.5 | 4.7 |
| 31 | --- | --- | --- | 7.8 | 7.2 | 7.4 | --- | --- | --- | 4.9 | 4.5 | 4.6 |
| MONTH | 11.5 | 9.4 | 10.3 | 10.7 | 7.2 | 8.2 | --- | --- | --- | --- | --- | --- |

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, 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 |
|-------|-----|-----|------|-----|-----|------|-----|-----|------|-----|-----|------|
| | | | | | | | | | | | | |
| 1 | 4.9 | 4.3 | 4.5 | 4.5 | 3.7 | 4.0 | 4.1 | 3.4 | 3.7 | 4.6 | 3.3 | 3.8 |
| 2 | 4.9 | 4.2 | 4.5 | 4.5 | 3.7 | 4.0 | 4.1 | 3.4 | 3.7 | 4.8 | 3.3 | 4.1 |
| 3 | 4.7 | 4.3 | 4.5 | 4.2 | 3.7 | 3.9 | 4.4 | 3.6 | 4.0 | 4.7 | 3.3 | 4.1 |
| 4 | 4.7 | 4.2 | 4.4 | 4.2 | 3.5 | 3.9 | 4.7 | 3.9 | 4.2 | 4.3 | 3.1 | 3.8 |
| 5 | 4.8 | 4.2 | 4.4 | 4.3 | 3.6 | 3.9 | 4.6 | 3.1 | 4.2 | 4.2 | 3.0 | 3.8 |
| 6 | 4.5 | 4.1 | 4.3 | 4.1 | 3.7 | 3.9 | 4.9 | 4.2 | 4.6 | 4.4 | 3.0 | 3.8 |
| 7 | 4.4 | 4.0 | 4.2 | 4.1 | 3.5 | 3.7 | 4.9 | 4.2 | 4.6 | 4.5 | 3.1 | 3.9 |
| 8 | 4.6 | 3.9 | 4.2 | 3.9 | 3.2 | 3.6 | 5.1 | 4.2 | 4.5 | 4.8 | 3.7 | 4.4 |
| 9 | 4.5 | 3.8 | 4.2 | 3.9 | 3.3 | 3.6 | 4.9 | 3.9 | 4.5 | 4.7 | 3.9 | 4.3 |
| 10 | 4.5 | 3.7 | 4.2 | 4.0 | 3.3 | 3.6 | 5.0 | 3.9 | 4.4 | 4.1 | 3.4 | 3.8 |
| 11 | 4.6 | 3.8 | 4.2 | 4.3 | 3.1 | 3.7 | 4.8 | 3.7 | 4.2 | 4.4 | 3.5 | 3.8 |
| 12 | 4.8 | 3.8 | 4.3 | 4.2 | 3.2 | 3.7 | 4.7 | 3.5 | 4.1 | 4.2 | 3.0 | 3.6 |
| 13 | 4.8 | 3.9 | 4.4 | 4.3 | 3.3 | 3.7 | 5.0 | 4.0 | 4.6 | 3.8 | 3.1 | 3.5 |
| 14 | 5.0 | 3.7 | 4.4 | 4.2 | 3.2 | 3.7 | 5.5 | 4.1 | 4.9 | 3.9 | 3.4 | 3.7 |
| 15 | 5.1 | 3.7 | 4.5 | 4.2 | 3.2 | 3.7 | 5.4 | 4.2 | 5.0 | 3.9 | 3.2 | 3.6 |
| 16 | 4.9 | 4.2 | 4.5 | 4.2 | 3.4 | 3.8 | 5.0 | 4.2 | 4.7 | 3.6 | 3.1 | 3.3 |
| 17 | 4.8 | 4.2 | 4.4 | 4.3 | 3.4 | 3.8 | 5.0 | 4.3 | 4.6 | 4.3 | 3.2 | 3.6 |
| 18 | 4.9 | 4.2 | 4.4 | 4.4 | 3.4 | 3.8 | 5.1 | 3.8 | 4.5 | 4.3 | 3.8 | 4.0 |
| 19 | 4.7 | 4.0 | 4.4 | 4.1 | 3.3 | 3.7 | 4.5 | 3.5 | 4.0 | 4.3 | 3.6 | 4.0 |
| 20 | 4.6 | 3.9 | 4.2 | 4.1 | 3.2 | 3.7 | 4.2 | 3.3 | 3.6 | 4.7 | 4.1 | 4.4 |
| 21 | 4.8 | 4.0 | 4.3 | 4.3 | 3.2 | 3.8 | 4.2 | 3.2 | 3.7 | 5.1 | 4.4 | 4.7 |
| 22 | 4.9 | 4.0 | 4.4 | 4.1 | 3.3 | 3.7 | 4.3 | 3.5 | 3.9 | 5.2 | 4.0 | 4.6 |
| 23 | 5.4 | 4.1 | 4.6 | 4.4 | 3.5 | 3.9 | 4.0 | 3.4 | 3.7 | 5.3 | 3.8 | 4.5 |
| 24 | 4.6 | 3.9 | 4.3 | 4.2 | 3.3 | 3.8 | 3.8 | 3.0 | 3.4 | 5.3 | 4.0 | 4.6 |
| 25 | 4.4 | 3.8 | 4.1 | 4.3 | 2.8 | 3.7 | 4.2 | 3.0 | 3.5 | 5.2 | 4.3 | 4.8 |
| 26 | 4.6 | 4.0 | 4.2 | 3.9 | 2.7 | 3.4 | 4.2 | 3.1 | 3.6 | 5.2 | 4.4 | 4.8 |
| 27 | 4.4 | 3.8 | 4.0 | 3.8 | 2.8 | 3.3 | 4.0 | 3.2 | 3.6 | 5.2 | 4.7 | 4.9 |
| 28 | 4.4 | 3.7 | 3.9 | 4.1 | 2.9 | 3.4 | 3.9 | 3.1 | 3.6 | 5.7 | 4.9 | 5.3 |
| 29 | 4.4 | 3.4 | 3.8 | 4.4 | 3.4 | 3.8 | 4.6 | 3.3 | 3.8 | 5.4 | 4.4 | 4.9 |
| 30 | 4.6 | 3.2 | 3.9 | 4.3 | 3.3 | 3.7 | 4.8 | 4.2 | 4.6 | 4.7 | 4.2 | 4.5 |
| 31 | --- | --- | --- | 4.1 | 3.3 | 3.6 | 4.6 | 3.5 | 4.1 | --- | --- | --- |
| MONTH | 5.4 | 3.2 | 4.3 | 4.5 | 2.7 | 3.7 | 5.5 | 3.0 | 4.1 | 5.7 | 3.0 | 4.2 |

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

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 |
|-------|----------|------|------|-------|-----|------|-------|-----|------|------|-----|------|
| | | | | | | | | | | | | |
| 1 | 5.4 | 4.7 | 5.1 | 5.2 | 4.4 | 4.7 | 7.6 | 7.2 | 7.4 | 9.6 | 9.0 | 9.3 |
| 2 | 5.2 | 4.6 | 5.0 | 5.0 | 4.3 | 4.6 | 7.6 | 7.2 | 7.5 | 9.4 | 8.6 | 9.0 |
| 3 | --- | --- | --- | 5.0 | 4.1 | 4.5 | 7.9 | 7.4 | 7.7 | 9.2 | 8.3 | 8.9 |
| 4 | 5.0 | 4.6 | 4.9 | 5.0 | 4.1 | 4.4 | 8.1 | 7.7 | 7.9 | 9.1 | 8.4 | 8.9 |
| 5 | 5.1 | 4.6 | 4.8 | 4.7 | 4.0 | 4.3 | 8.3 | 7.8 | 8.1 | 9.1 | 8.5 | 8.9 |
| 6 | 5.0 | 4.6 | 4.8 | 4.6 | 3.9 | 4.2 | 8.5 | 8.0 | 8.2 | 9.0 | 8.5 | 8.8 |
| 7 | 5.1 | 4.7 | 4.9 | 4.4 | 3.7 | 4.1 | 8.6 | 8.2 | 8.4 | 9.2 | 8.3 | 8.7 |
| 8 | 5.5 | 4.8 | 5.1 | 4.6 | 3.6 | 4.1 | 8.8 | 8.4 | 8.6 | 9.2 | 7.8 | 8.5 |
| 9 | 5.9 | 5.1 | 5.5 | 4.9 | 4.0 | 4.5 | 8.8 | 8.4 | 8.7 | 8.4 | 7.7 | 8.1 |
| 10 | --- | --- | --- | 5.2 | 4.3 | 4.8 | 9.0 | 8.4 | 8.7 | 8.7 | 7.8 | 8.3 |
| 11 | 5.5 | 4.9 | 5.2 | 5.3 | 4.3 | 4.8 | 9.2 | 8.6 | 8.9 | 8.8 | 7.8 | 8.3 |
| 12 | 5.4 | 4.8 | 5.1 | 5.2 | 4.1 | 4.7 | 9.2 | 8.7 | 8.9 | 8.8 | 8.1 | 8.5 |
| 13 | 5.4 | 4.6 | 5.0 | 5.6 | 4.5 | 5.0 | 9.1 | 8.6 | 8.9 | 8.9 | 8.3 | 8.6 |
| 14 | 5.3 | 4.4 | 4.9 | 5.7 | 4.9 | 5.3 | 9.7 | 8.5 | 9.2 | 9.0 | 8.5 | 8.7 |
| 15 | 5.4 | 4.7 | 5.0 | 5.6 | 5.0 | 5.4 | 10.1 | 9.3 | 9.6 | 9.2 | 8.6 | 8.8 |
| 16 | 5.3 | 4.4 | 4.8 | 5.6 | 5.0 | 5.3 | 9.9 | 8.9 | 9.4 | 9.2 | 8.7 | 9.0 |
| 17 | 5.1 | 4.4 | 4.7 | 5.7 | 5.1 | 5.4 | 10.0 | 9.0 | 9.5 | 9.2 | 8.8 | 9.0 |
| 18 | 5.4 | 4.5 | 5.0 | 5.8 | 5.3 | 5.5 | 10.1 | 8.9 | 9.5 | 9.3 | 8.9 | 9.1 |
| 19 | 6.1 | 5.0 | 5.3 | 6.2 | 5.5 | 5.9 | 9.9 | 9.0 | 9.4 | 9.2 | 9.0 | 9.1 |
| 20 | 6.0 | 4.7 | 5.3 | 6.3 | 5.9 | 6.1 | 10.0 | 8.9 | 9.4 | 9.4 | 9.1 | 9.3 |
| 21 | 6.5 | 4.8 | 5.5 | 6.3 | 6.0 | 6.2 | 10.2 | 9.1 | 9.6 | 9.5 | 9.0 | 9.3 |
| 22 | 6.5 | 5.3 | 5.7 | 6.3 | 5.9 | 6.2 | 10.4 | 9.2 | 9.8 | 9.6 | 9.3 | 9.4 |
| 23 | 6.8 | 5.5 | 6.0 | 6.4 | 5.9 | 6.2 | 10.3 | 9.3 | 9.8 | 9.8 | 9.3 | 9.5 |
| 24 | 7.3 | 5.8 | 6.2 | 6.5 | 5.9 | 6.3 | 10.3 | 9.4 | 9.8 | 9.9 | 9.4 | 9.7 |
| 25 | 7.7 | 6.0 | 6.5 | 7.0 | 6.0 | 6.6 | 10.2 | 9.3 | 9.7 | 10.0 | 9.5 | 9.8 |
| 26 | 7.4 | 6.0 | 6.4 | 7.0 | 6.3 | 6.7 | 10.2 | 9.5 | 9.8 | 10.2 | 9.5 | 9.8 |
| 27 | 6.7 | 6.1 | 6.3 | 7.0 | 6.5 | 6.7 | 10.2 | 9.5 | 9.8 | 10.2 | 9.5 | 9.9 |
| 28 | 6.8 | 6.1 | 6.3 | 7.2 | 6.4 | 6.8 | 10.2 | 9.5 | 9.8 | 10.5 | 9.5 | 10.0 |
| 29 | 7.0 | 6.0 | 6.7 | 7.5 | 6.9 | 7.2 | 10.0 | 9.3 | 9.6 | 10.5 | 9.6 | 10.1 |
| 30 | 6.9 | 6.0 | 6.5 | 7.5 | 7.1 | 7.3 | 10.1 | 9.3 | 9.6 | 10.6 | 9.8 | 10.2 |
| 31 | 6.7 | 4.5 | 5.7 | --- | --- | --- | 9.8 | 9.2 | 9.5 | 10.6 | 9.8 | 10.2 |
| MONTH | --- | --- | --- | 7.5 | 3.6 | 5.5 | 10.4 | 7.2 | 9.1 | 10.6 | 7.7 | 9.2 |
| | FEBRUARY | | | MARCH | | | APRIL | | | MAY | | |
| | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| 1 | 10.6 | 9.8 | 10.2 | 9.7 | 9.0 | 9.3 | 7.4 | 6.9 | 7.1 | 6.4 | 5.6 | 6.0 |
| 2 | 10.7 | 9.9 | 10.3 | 10.1 | 9.3 | 9.7 | 7.3 | 6.8 | 7.1 | 6.5 | 5.8 | 6.2 |
| 3 | 10.6 | 9.8 | 10.3 | 10.2 | 9.5 | 9.8 | 7.3 | 6.8 | 7.1 | 6.6 | 6.1 | 6.3 |
| 4 | 10.9 | 10.1 | 10.5 | 9.9 | 9.4 | 9.6 | 7.5 | 6.9 | 7.2 | 6.4 | 5.5 | 6.0 |
| 5 | 10.9 | 10.2 | 10.6 | 9.7 | 9.2 | 9.5 | 7.7 | 7.1 | 7.4 | 6.1 | 5.4 | 5.8 |
| 6 | 11.1 | 10.4 | 10.8 | 9.5 | 8.9 | 9.2 | 7.7 | 7.2 | 7.5 | 6.2 | 4.8 | 5.6 |
| 7 | 11.2 | 10.6 | 10.9 | 9.1 | 8.4 | 8.7 | 7.8 | 7.3 | 7.6 | 5.6 | 4.8 | 5.2 |
| 8 | 11.4 | 10.9 | 11.1 | 8.7 | 8.0 | 8.4 | 7.7 | 7.3 | 7.5 | 5.4 | 4.6 | 5.0 |
| 9 | 11.3 | 10.8 | 11.1 | 8.3 | 7.8 | 8.1 | 7.8 | 7.3 | 7.5 | 5.3 | 4.3 | 4.9 |
| 10 | 11.3 | 10.5 | 11.0 | 8.3 | 7.7 | 7.9 | 7.6 | 7.2 | 7.4 | 5.1 | 4.2 | 4.7 |
| 11 | 11.1 | 10.1 | 10.6 | 8.2 | 7.6 | 8.0 | 7.7 | 7.1 | 7.4 | 4.8 | 4.2 | 4.5 |
| 12 | 10.9 | 10.1 | 10.5 | 8.2 | 7.8 | 8.0 | 7.5 | 7.1 | 7.3 | 4.8 | 4.2 | 4.4 |
| 13 | 10.7 | 9.9 | 10.3 | 8.2 | 7.6 | 8.0 | 7.7 | 7.1 | 7.4 | 4.6 | 4.1 | 4.4 |
| 14 | 10.4 | 9.8 | 10.1 | 8.1 | 7.5 | 7.9 | 7.7 | 6.8 | 7.3 | 4.6 | 4.0 | 4.3 |
| 15 | 10.3 | 9.7 | 9.9 | 8.1 | 7.5 | 7.8 | 7.3 | 6.7 | 7.0 | 4.6 | 4.0 | 4.3 |
| 16 | 10.2 | 9.5 | 9.8 | 8.0 | 7.4 | 7.8 | 7.1 | 6.5 | 6.8 | 4.6 | 4.0 | 4.4 |
| 17 | 10.1 | 9.4 | 9.8 | 7.9 | 7.4 | 7.7 | 7.0 | 6.5 | 6.8 | 4.6 | 4.2 | 4.4 |
| 18 | 10.1 | 9.4 | 9.8 | 7.9 | 7.4 | 7.7 | 7.1 | 6.7 | 6.9 | 4.6 | 4.2 | 4.5 |
| 19 | 10.3 | 9.5 | 9.9 | 8.0 | 7.4 | 7.7 | 7.1 | 6.6 | 6.9 | 4.8 | 4.3 | 4.6 |
| 20 | 10.4 | 9.6 | 9.9 | 8.1 | 7.5 | 7.8 | 7.1 | 6.3 | 6.7 | 5.0 | 4.5 | 4.7 |
| 21 | 10.4 | 9.7 | 10.0 | 8.2 | 7.7 | 7.9 | 6.8 | 6.3 | 6.6 | 5.0 | 4.4 | 4.7 |
| 22 | 10.3 | 9.5 | 9.9 | 8.4 | 7.6 | 8.0 | 6.7 | 6.1 | 6.5 | 5.2 | 4.5 | 4.8 |
| 23 | 10.1 | 9.4 | 9.7 | 8.4 | 7.8 | 8.1 | 6.6 | 6.1 | 6.3 | 5.5 | 4.6 | 4.9 |
| 24 | 9.8 | 9.3 | 9.6 | 8.2 | 7.5 | 8.0 | 6.4 | 6.1 | 6.2 | 5.5 | 4.6 | 4.9 |
| 25 | 9.7 | 9.3 | 9.5 | 8.2 | 7.5 | 7.9 | 6.3 | 6.0 | 6.1 | 5.4 | 4.5 | 4.9 |
| 26 | 9.7 | 9.0 | 9.4 | 8.1 | 7.4 | 7.8 | 6.6 | 5.9 | 6.1 | 5.3 | 4.4 | 4.9 |
| 27 | 9.7 | 8.7 | 9.3 | 7.9 | 7.4 | 7.7 | 6.6 | 5.9 | 6.2 | --- | --- | --- |
| 28 | 9.6 | 8.8 | 9.2 | 7.8 | 7.3 | 7.5 | 6.3 | 5.7 | 6.0 | --- | --- | --- |
| 29 | 9.3 | 8.8 | 9.1 | 7.6 | 7.1 | 7.3 | 6.2 | 5.6 | 5.9 | --- | --- | --- |
| 30 | --- | --- | --- | 7.4 | 7.0 | 7.2 | 6.1 | 5.6 | 5.9 | --- | --- | --- |
| 31 | --- | --- | --- | 7.3 | 6.8 | 7.1 | --- | --- | --- | --- | --- | --- |
| MONTH | 11.4 | 8.7 | 10.1 | 10.2 | 6.8 | 8.2 | 7.8 | 5.6 | 6.9 | --- | --- | --- |

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

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

| DAY | JUNE | | | JULY | | | AUGUST | | | SEPTEMBER | | |
|-------|------|-----|------|------|-----|------|--------|-----|------|-----------|-----|------|
| | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| 1 | --- | --- | --- | --- | --- | --- | 3.7 | 3.0 | 3.4 | 4.1 | 3.0 | 3.4 |
| 2 | --- | --- | --- | --- | --- | --- | 3.6 | 2.8 | 3.2 | 4.2 | 3.0 | 3.6 |
| 3 | --- | --- | --- | --- | --- | --- | 3.9 | 3.0 | 3.5 | 4.2 | 3.1 | 3.6 |
| 4 | --- | --- | --- | --- | --- | --- | 4.3 | 3.4 | 3.8 | 3.9 | 3.0 | 3.5 |
| 5 | --- | --- | --- | --- | --- | --- | 4.2 | 3.4 | 3.9 | 3.9 | 3.1 | 3.5 |
| 6 | --- | --- | --- | --- | --- | --- | 4.4 | 3.5 | 4.0 | 3.9 | 3.2 | 3.6 |
| 7 | --- | --- | --- | --- | --- | --- | 4.4 | 3.7 | 4.0 | 4.0 | 3.4 | 3.6 |
| 8 | --- | --- | --- | 3.8 | 3.4 | 3.7 | 4.3 | 3.6 | 4.0 | 4.8 | 3.5 | 4.2 |
| 9 | 4.2 | 3.8 | 4.0 | 3.9 | 3.4 | 3.6 | 4.4 | 3.5 | 4.0 | 4.8 | 3.9 | 4.4 |
| 10 | 4.1 | 3.7 | 3.9 | 4.0 | 3.3 | 3.6 | 4.2 | 3.4 | 3.8 | 4.2 | 3.4 | 3.8 |
| 11 | 4.2 | 3.7 | 3.9 | 3.9 | 3.2 | 3.6 | 4.1 | 3.4 | 3.8 | 4.4 | 3.4 | 3.8 |
| 12 | 4.3 | 3.7 | 4.0 | 4.0 | 3.1 | 3.6 | 4.2 | 3.2 | 3.8 | 4.2 | 2.9 | 3.6 |
| 13 | 4.3 | 3.8 | 4.0 | 4.1 | 3.2 | 3.6 | 4.8 | 3.4 | 4.1 | 3.9 | 3.1 | 3.5 |
| 14 | 4.4 | 3.8 | 4.1 | 4.0 | 2.9 | 3.5 | 5.2 | 3.4 | 4.5 | 3.9 | 3.3 | 3.7 |
| 15 | --- | --- | --- | 3.8 | 2.9 | 3.4 | 5.3 | 4.1 | 4.8 | 3.9 | 3.2 | 3.6 |
| 16 | --- | --- | --- | 3.9 | 3.1 | 3.4 | 4.8 | 4.3 | 4.7 | 3.6 | 3.1 | 3.3 |
| 17 | --- | --- | --- | 3.8 | 3.1 | 3.4 | 4.8 | 4.4 | 4.6 | 4.3 | 3.1 | 3.6 |
| 18 | --- | --- | --- | 3.9 | 3.0 | 3.4 | 4.9 | 3.7 | 4.3 | 4.4 | 3.7 | 4.0 |
| 19 | --- | --- | --- | 3.7 | 2.9 | 3.3 | 4.3 | 3.4 | 3.8 | 4.3 | 3.5 | 3.9 |
| 20 | --- | --- | --- | 3.7 | 2.9 | 3.3 | 3.9 | 3.2 | 3.5 | 4.7 | 4.0 | 4.3 |
| 21 | --- | --- | --- | 3.7 | 2.9 | 3.3 | 4.1 | 3.2 | 3.7 | 4.8 | 4.3 | 4.5 |
| 22 | --- | --- | --- | 3.4 | 2.8 | 3.1 | 4.2 | 3.5 | 3.8 | 4.7 | 3.9 | 4.5 |
| 23 | --- | --- | --- | 3.4 | 2.8 | 3.1 | 4.0 | 3.3 | 3.7 | 4.7 | 3.7 | 4.3 |
| 24 | 4.7 | 3.8 | 4.3 | 3.5 | 2.5 | 3.0 | 3.9 | 3.0 | 3.5 | 4.7 | 4.0 | 4.4 |
| 25 | 4.5 | 3.8 | 4.2 | 3.7 | 2.4 | 2.9 | 3.9 | 2.9 | 3.4 | 4.9 | 4.3 | 4.6 |
| 26 | 4.7 | 4.0 | 4.3 | 3.3 | 2.4 | 2.8 | 3.7 | 2.8 | 3.2 | 5.0 | 4.4 | 4.8 |
| 27 | 4.7 | 3.9 | 4.2 | 3.2 | 2.5 | 2.8 | 3.6 | 2.9 | 3.2 | 5.0 | 4.8 | 4.9 |
| 28 | 4.6 | 3.8 | 4.1 | 3.7 | 2.7 | 3.1 | 3.4 | 2.8 | 3.2 | 5.7 | 4.9 | 5.3 |
| 29 | 4.6 | 3.7 | 4.1 | 4.1 | 3.0 | 3.4 | 4.0 | 3.0 | 3.4 | 5.4 | 4.2 | 4.9 |
| 30 | --- | --- | --- | 4.0 | 3.0 | 3.4 | 4.4 | 3.8 | 4.1 | 4.5 | 4.0 | 4.3 |
| 31 | --- | --- | --- | 3.7 | 2.9 | 3.3 | 4.1 | 3.2 | 3.6 | --- | --- | --- |
| MONTH | --- | --- | --- | --- | --- | --- | 5.3 | 2.8 | 3.8 | 5.7 | 2.9 | 4.0 |

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

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 |
|-------|-----|-----|------|-----|-----|------|-----|-----|------|-----|-----|------|
| | | | | | | | | | | | | |
| 1 | 4.4 | 4.1 | 4.2 | 5.8 | 5.5 | 5.7 | 7.6 | 7.1 | 7.4 | --- | --- | --- |
| 2 | 4.5 | 4.0 | 4.2 | 5.9 | 5.2 | 5.6 | --- | --- | --- | --- | --- | --- |
| 3 | 5.0 | 3.8 | 4.5 | 5.9 | 5.6 | 5.8 | --- | --- | --- | --- | --- | --- |
| 4 | 5.0 | 4.0 | 4.5 | 6.1 | 5.6 | 5.8 | --- | --- | --- | --- | --- | --- |
| 5 | 4.7 | 3.8 | 4.4 | 6.2 | 5.7 | 6.0 | --- | --- | --- | --- | --- | --- |
| 6 | 4.7 | 4.0 | 4.4 | 6.2 | 5.9 | 6.0 | --- | --- | --- | --- | --- | --- |
| 7 | --- | --- | --- | 6.3 | 6.0 | 6.1 | --- | --- | --- | --- | --- | --- |
| 8 | --- | --- | --- | 6.2 | 5.8 | 6.0 | --- | --- | --- | --- | --- | --- |
| 9 | --- | --- | --- | 6.4 | 5.9 | 6.1 | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | 6.4 | 6.0 | 6.2 | --- | --- | --- | --- | --- | --- |
| 11 | --- | --- | --- | 6.5 | 6.2 | 6.3 | --- | --- | --- | --- | --- | --- |
| 12 | --- | --- | --- | 6.6 | 6.2 | 6.4 | --- | --- | --- | --- | --- | --- |
| 13 | --- | --- | --- | 6.8 | 6.3 | 6.5 | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | 7.0 | 6.5 | 6.8 | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | 7.2 | 6.9 | 7.0 | --- | --- | --- | --- | --- | --- |
| 16 | --- | --- | --- | 7.2 | 6.9 | 7.0 | --- | --- | --- | --- | --- | --- |
| 17 | --- | --- | --- | 7.2 | 7.0 | 7.1 | --- | --- | --- | --- | --- | --- |
| 18 | --- | --- | --- | 7.3 | 7.0 | 7.1 | --- | --- | --- | --- | --- | --- |
| 19 | --- | --- | --- | 7.4 | 7.1 | 7.2 | --- | --- | --- | --- | --- | --- |
| 20 | --- | --- | --- | 7.4 | 7.2 | 7.3 | --- | --- | --- | --- | --- | --- |
| 21 | 5.1 | 4.5 | 4.8 | 7.4 | 7.2 | 7.3 | --- | --- | --- | --- | --- | --- |
| 22 | 5.5 | 4.8 | 5.0 | 7.4 | 7.1 | 7.2 | --- | --- | --- | --- | --- | --- |
| 23 | 5.3 | 5.0 | 5.1 | 7.3 | 7.1 | 7.2 | --- | --- | --- | --- | --- | --- |
| 24 | 5.4 | 5.0 | 5.2 | 7.3 | 7.1 | 7.2 | --- | --- | --- | --- | --- | --- |
| 25 | 5.3 | 5.1 | 5.2 | 7.7 | 7.2 | 7.4 | --- | --- | --- | --- | --- | --- |
| 26 | 5.5 | 5.1 | 5.3 | 7.6 | 7.1 | 7.4 | --- | --- | --- | --- | --- | --- |
| 27 | 5.5 | 5.3 | 5.4 | 7.5 | 7.2 | 7.4 | --- | --- | --- | --- | --- | --- |
| 28 | 5.6 | 5.3 | 5.4 | 7.6 | 7.2 | 7.4 | --- | --- | --- | --- | --- | --- |
| 29 | 5.7 | 5.3 | 5.5 | 7.6 | 7.1 | 7.3 | --- | --- | --- | --- | --- | --- |
| 30 | 5.8 | 5.4 | 5.6 | 7.4 | 7.1 | 7.3 | --- | --- | --- | --- | --- | --- |
| 31 | 5.9 | 5.6 | 5.7 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MONTH | --- | --- | --- | 7.7 | 5.2 | 6.7 | --- | --- | --- | --- | --- | --- |

CAPE FEAR RIVER BASIN

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, 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 |
|-------|-----|-----|------|-----|-----|------|-----|-----|------|-----|-----|------|
| | | | | | | | | | | | | |
| 1 | 64 | 57 | 60 | 62 | 52 | 56 | 74 | 68 | 72 | 81 | 75 | 78 |
| 2 | 62 | 55 | 60 | 59 | 44 | 53 | 75 | 67 | 71 | 81 | 75 | 77 |
| 3 | --- | --- | --- | 60 | 45 | 51 | 74 | 68 | 71 | 82 | 75 | 77 |
| 4 | 60 | 55 | 58 | 57 | 43 | 49 | 75 | 69 | 72 | 83 | 76 | 78 |
| 5 | 59 | 52 | 56 | 53 | 40 | 47 | 75 | 71 | 73 | 83 | 78 | 80 |
| 6 | 59 | 52 | 55 | 52 | 40 | 46 | 76 | 72 | 74 | 84 | 79 | 81 |
| 7 | 58 | 52 | 55 | 50 | 35 | 44 | 76 | 72 | 74 | 83 | 78 | 81 |
| 8 | 63 | 53 | 57 | 51 | 36 | 45 | 76 | 72 | 74 | 82 | 72 | 78 |
| 9 | 64 | 55 | 60 | 55 | 39 | 48 | 77 | 72 | 74 | 75 | 71 | 73 |
| 10 | --- | --- | --- | 57 | 40 | 50 | 79 | 72 | 75 | 74 | 69 | 72 |
| 11 | 61 | 51 | 56 | 56 | 38 | 49 | 80 | 75 | 77 | 73 | 70 | 72 |
| 12 | 60 | 50 | 55 | 55 | 37 | 48 | 78 | 73 | 75 | 74 | 70 | 72 |
| 13 | 59 | 48 | 53 | 59 | 44 | 52 | 78 | 71 | 74 | 74 | 70 | 73 |
| 14 | 58 | 46 | 52 | 60 | 50 | 55 | 81 | 75 | 77 | 75 | 71 | 73 |
| 15 | 58 | 49 | 52 | 60 | 50 | 55 | 82 | 75 | 77 | 75 | 71 | 73 |
| 16 | 56 | 45 | 50 | 59 | 50 | 54 | 80 | 72 | 75 | 75 | 72 | 74 |
| 17 | 55 | 45 | 49 | 59 | 50 | 55 | 79 | 72 | 75 | 76 | 72 | 74 |
| 18 | 59 | 45 | 51 | 61 | 51 | 56 | 79 | 72 | 75 | 77 | 73 | 75 |
| 19 | 60 | 44 | 52 | 67 | 55 | 62 | 79 | 71 | 74 | 78 | 74 | 76 |
| 20 | 59 | 38 | 48 | 65 | 59 | 62 | 79 | 71 | 75 | 77 | 74 | 76 |
| 21 | 62 | 38 | 50 | 65 | 60 | 62 | 79 | 71 | 75 | 78 | 74 | 76 |
| 22 | 62 | 40 | 52 | 65 | 60 | 62 | 82 | 71 | 76 | 78 | 75 | 76 |
| 23 | 62 | 42 | 54 | 65 | 58 | 62 | 82 | 72 | 77 | 80 | 75 | 77 |
| 24 | 64 | 43 | 55 | 67 | 57 | 63 | 82 | 74 | 78 | 81 | 76 | 78 |
| 25 | 65 | 45 | 57 | 70 | 60 | 65 | 82 | 75 | 78 | 81 | 77 | 79 |
| 26 | 66 | 44 | 57 | 70 | 61 | 67 | 82 | 75 | 78 | 80 | 77 | 79 |
| 27 | 64 | 44 | 56 | 71 | 64 | 68 | 81 | 76 | 78 | 81 | 78 | 79 |
| 28 | 62 | 45 | 54 | 73 | 63 | 69 | 81 | 76 | 78 | 82 | 78 | 80 |
| 29 | 66 | 46 | 57 | 73 | 67 | 71 | 81 | 75 | 78 | 82 | 79 | 80 |
| 30 | 63 | 43 | 55 | 74 | 68 | 71 | 83 | 77 | 79 | 84 | 79 | 81 |
| 31 | 71 | 44 | 56 | --- | --- | --- | 83 | 77 | 79 | 82 | 79 | 81 |
| MONTH | --- | --- | --- | 74 | 35 | 57 | 83 | 67 | 75 | 84 | 69 | 77 |
| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| | | | | | | | | | | | | |
| 1 | 82 | 79 | 81 | 88 | 80 | 83 | 78 | 70 | 73 | --- | --- | --- |
| 2 | 83 | 80 | 81 | 91 | 84 | 87 | 76 | 70 | 72 | --- | --- | --- |
| 3 | 85 | 81 | 83 | 93 | 87 | 89 | 75 | 70 | 72 | --- | --- | --- |
| 4 | 88 | 83 | 85 | 91 | 86 | 88 | 76 | 70 | 72 | --- | --- | --- |
| 5 | 89 | 84 | 86 | 91 | 86 | 89 | 78 | 72 | 75 | --- | --- | --- |
| 6 | 92 | 85 | 88 | 91 | 87 | 89 | 79 | 72 | 75 | --- | --- | --- |
| 7 | 97 | 89 | 92 | 88 | 83 | 86 | 80 | 74 | 77 | 65 | 55 | 60 |
| 8 | 97 | 90 | 92 | 87 | 80 | 83 | 81 | 74 | 77 | 63 | 52 | 58 |
| 9 | 94 | 90 | 92 | 81 | 77 | 79 | 81 | 74 | 78 | 61 | 50 | 56 |
| 10 | 95 | 88 | 91 | 80 | 75 | 77 | 81 | 74 | 77 | 59 | 49 | 54 |
| 11 | 92 | 87 | 89 | 80 | 75 | 77 | 82 | 74 | 78 | 56 | 50 | 53 |
| 12 | 92 | 87 | 90 | 78 | 74 | 76 | 81 | 74 | 77 | 55 | 49 | 52 |
| 13 | 91 | 86 | 88 | 78 | 74 | 76 | 82 | 75 | 78 | 54 | 44 | 49 |
| 14 | 89 | 85 | 87 | 81 | 73 | 76 | --- | --- | --- | 53 | 45 | 48 |
| 15 | 88 | 84 | 86 | 80 | 73 | 76 | --- | --- | --- | 53 | 46 | 50 |
| 16 | 89 | 83 | 85 | 79 | 72 | 75 | --- | --- | --- | 54 | 47 | 51 |
| 17 | 88 | 82 | 85 | 77 | 72 | 75 | --- | --- | --- | 54 | 49 | 51 |
| 18 | 89 | 82 | 85 | 77 | 72 | 75 | --- | --- | --- | 56 | 49 | 52 |
| 19 | 88 | 83 | 85 | 80 | 73 | 76 | --- | --- | --- | 59 | 49 | 54 |
| 20 | 92 | 84 | 87 | 81 | 74 | 77 | --- | --- | --- | 63 | 49 | 55 |
| 21 | 93 | 86 | 89 | 83 | 76 | 79 | --- | --- | --- | 62 | 54 | 56 |
| 22 | 92 | 86 | 89 | 83 | 75 | 80 | --- | --- | --- | 64 | 54 | 57 |
| 23 | 91 | 85 | 88 | 82 | 77 | 79 | --- | --- | --- | 67 | 58 | 60 |
| 24 | 89 | 84 | 87 | 82 | 74 | 78 | --- | --- | --- | --- | --- | --- |
| 25 | 89 | 84 | 86 | 84 | 74 | 78 | --- | --- | --- | 66 | 59 | 61 |
| 26 | 88 | 84 | 86 | 83 | 74 | 78 | --- | --- | --- | 69 | 57 | 62 |
| 27 | 87 | 81 | 84 | 82 | 74 | 77 | --- | --- | --- | 66 | 60 | 62 |
| 28 | 85 | 81 | 83 | 82 | 75 | 77 | --- | --- | --- | 70 | 60 | 63 |
| 29 | 86 | 80 | 81 | 79 | 73 | 76 | --- | --- | --- | 64 | 58 | 61 |
| 30 | --- | --- | --- | 79 | 72 | 74 | --- | --- | --- | 63 | 57 | 59 |
| 31 | --- | --- | --- | 79 | 71 | 74 | --- | --- | --- | 62 | 56 | 58 |
| MONTH | 97 | 79 | 87 | 93 | 71 | 79 | --- | --- | --- | --- | --- | --- |

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, 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 |
|-------|-----|-----|------|-----|-----|------|-----|-----|------|-----|-----|------|
| | | | | | | | | | | | | |
| 1 | 62 | 54 | 57 | 59 | 48 | 52 | 54 | 45 | 48 | 57 | 41 | 48 |
| 2 | 62 | 53 | 57 | 59 | 48 | 52 | 54 | 45 | 49 | 60 | 41 | 51 |
| 3 | 60 | 54 | 57 | 55 | 48 | 50 | 58 | 47 | 53 | 58 | 41 | 50 |
| 4 | 60 | 53 | 56 | 55 | 45 | 50 | 63 | 51 | 56 | 53 | 38 | 47 |
| 5 | 61 | 53 | 56 | 57 | 47 | 51 | 61 | 41 | 55 | 52 | 37 | 46 |
| 6 | 57 | 52 | 54 | 55 | 48 | 51 | 64 | 55 | 60 | 54 | 37 | 47 |
| 7 | 57 | 51 | 54 | 55 | 46 | 49 | 64 | 55 | 59 | 55 | 38 | 48 |
| 8 | 59 | 50 | 53 | 52 | 42 | 47 | 66 | 54 | 58 | 59 | 45 | 54 |
| 9 | 58 | 48 | 53 | 52 | 43 | 47 | 63 | 50 | 57 | 57 | 48 | 53 |
| 10 | 58 | 47 | 53 | 53 | 43 | 48 | 65 | 50 | 56 | 50 | 42 | 46 |
| 11 | 59 | 48 | 54 | 57 | 41 | 48 | 62 | 47 | 54 | 54 | 43 | 47 |
| 12 | 62 | 49 | 55 | 55 | 42 | 48 | 60 | 45 | 53 | 51 | 37 | 44 |
| 13 | 62 | 50 | 56 | 57 | 43 | 49 | 63 | 51 | 58 | 46 | 38 | 42 |
| 14 | 64 | 47 | 56 | 56 | 42 | 49 | 69 | 52 | 62 | 47 | 41 | 44 |
| 15 | 66 | 47 | 57 | 56 | 42 | 49 | 67 | 52 | 62 | 47 | 38 | 43 |
| 16 | 63 | 54 | 57 | 56 | 45 | 50 | 61 | 52 | 58 | 43 | 37 | 40 |
| 17 | 61 | 54 | 56 | 57 | 45 | 50 | 60 | 52 | 56 | 52 | 38 | 44 |
| 18 | 64 | 53 | 57 | 58 | 45 | 49 | 61 | 46 | 54 | 52 | 45 | 48 |
| 19 | 62 | 51 | 56 | 54 | 43 | 48 | 54 | 42 | 48 | 51 | 42 | 47 |
| 20 | 60 | 50 | 55 | 55 | 42 | 48 | 51 | 39 | 44 | 55 | 48 | 51 |
| 21 | 63 | 51 | 55 | 58 | 42 | 50 | 51 | 38 | 45 | 59 | 51 | 55 |
| 22 | 64 | 51 | 57 | 55 | 43 | 49 | 52 | 42 | 47 | 61 | 46 | 54 |
| 23 | 71 | 53 | 59 | 58 | 46 | 52 | 49 | 41 | 45 | 62 | 44 | 52 |
| 24 | 60 | 50 | 56 | 55 | 43 | 50 | 47 | 36 | 42 | 61 | 46 | 53 |
| 25 | 57 | 49 | 54 | 57 | 37 | 48 | 52 | 37 | 43 | 60 | 50 | 56 |
| 26 | 60 | 52 | 55 | 51 | 35 | 44 | 52 | 38 | 45 | 60 | 51 | 56 |
| 27 | 57 | 49 | 52 | 50 | 37 | 44 | 49 | 39 | 45 | 62 | 55 | 57 |
| 28 | 57 | 48 | 51 | 54 | 38 | 45 | 48 | 38 | 44 | 68 | 58 | 62 |
| 29 | 58 | 44 | 50 | 58 | 44 | 49 | 58 | 41 | 48 | 64 | 52 | 59 |
| 30 | 60 | 41 | 50 | 57 | 43 | 49 | 60 | 52 | 57 | 56 | 50 | 54 |
| 31 | --- | --- | --- | 54 | 43 | 48 | 58 | 44 | 51 | --- | --- | --- |
| MONTH | 71 | 41 | 55 | 59 | 35 | 49 | 69 | 36 | 52 | 68 | 37 | 50 |

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

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 |
|-------|----------|-----|------|-------|-----|------|-------|-----|------|-----|-----|------|
| | | | | | | | | | | | | |
| 1 | 63 | 54 | 59 | 55 | 46 | 49 | 73 | 70 | 72 | 81 | 76 | 78 |
| 2 | 60 | 53 | 57 | 52 | 45 | 48 | 74 | 69 | 72 | 80 | 74 | 77 |
| 3 | --- | --- | --- | 52 | 43 | 47 | 75 | 72 | 73 | 79 | 72 | 76 |
| 4 | 57 | 52 | 55 | 53 | 43 | 47 | 76 | 73 | 74 | 80 | 73 | 77 |
| 5 | 58 | 52 | 55 | 50 | 42 | 46 | 77 | 74 | 76 | 82 | 75 | 79 |
| 6 | 57 | 52 | 54 | 50 | 41 | 45 | 78 | 75 | 76 | 81 | 76 | 79 |
| 7 | 58 | 53 | 55 | 48 | 40 | 44 | 79 | 76 | 77 | 82 | 75 | 78 |
| 8 | 62 | 54 | 58 | 50 | 39 | 45 | 80 | 77 | 79 | 81 | 70 | 76 |
| 9 | 66 | 58 | 62 | 52 | 43 | 48 | 80 | 76 | 79 | 74 | 69 | 72 |
| 10 | --- | --- | --- | 56 | 45 | 51 | 82 | 76 | 79 | 75 | 69 | 72 |
| 11 | 62 | 55 | 58 | 56 | 45 | 51 | 84 | 78 | 81 | 74 | 68 | 71 |
| 12 | 61 | 53 | 57 | 55 | 43 | 50 | 82 | 77 | 80 | 75 | 70 | 72 |
| 13 | 61 | 51 | 56 | 59 | 47 | 53 | 82 | 76 | 79 | 75 | 71 | 73 |
| 14 | 60 | 49 | 55 | 59 | 50 | 55 | 86 | 77 | 82 | 76 | 72 | 74 |
| 15 | 61 | 52 | 56 | 58 | 50 | 55 | 87 | 79 | 82 | 78 | 72 | 74 |
| 16 | 59 | 48 | 54 | 58 | 50 | 55 | 85 | 77 | 81 | 78 | 73 | 75 |
| 17 | 57 | 48 | 52 | 59 | 51 | 56 | 86 | 78 | 82 | 77 | 74 | 75 |
| 18 | 61 | 50 | 55 | 60 | 54 | 57 | 86 | 76 | 81 | 79 | 75 | 77 |
| 19 | 68 | 54 | 59 | 64 | 56 | 61 | 84 | 76 | 79 | 79 | 76 | 78 |
| 20 | 66 | 51 | 58 | 64 | 60 | 62 | 83 | 75 | 79 | 79 | 77 | 78 |
| 21 | 72 | 52 | 60 | 64 | 61 | 63 | 84 | 75 | 80 | 79 | 76 | 78 |
| 22 | 72 | 58 | 63 | 64 | 60 | 62 | 85 | 76 | 80 | 81 | 77 | 79 |
| 23 | 75 | 59 | 65 | 65 | 59 | 62 | 85 | 76 | 81 | 82 | 78 | 80 |
| 24 | 79 | 62 | 68 | 66 | 58 | 63 | 86 | 78 | 82 | 83 | 78 | 81 |
| 25 | 83 | 64 | 69 | 70 | 60 | 66 | 85 | 77 | 81 | 82 | 79 | 81 |
| 26 | 79 | 64 | 69 | 70 | 62 | 67 | 84 | 78 | 81 | 83 | 79 | 81 |
| 27 | 72 | 65 | 68 | 70 | 64 | 68 | 85 | 78 | 81 | 83 | 78 | 81 |
| 28 | 74 | 66 | 69 | 73 | 63 | 69 | 85 | 78 | 81 | 84 | 78 | 81 |
| 29 | 76 | 65 | 72 | 74 | 68 | 71 | 83 | 77 | 80 | 84 | 78 | 82 |
| 30 | 75 | 63 | 70 | 73 | 70 | 72 | 84 | 78 | 80 | 85 | 79 | 82 |
| 31 | 70 | 47 | 60 | --- | --- | --- | 82 | 77 | 80 | 84 | 79 | 82 |
| MONTH | --- | --- | --- | 74 | 39 | 56 | 87 | 69 | 79 | 85 | 68 | 77 |
| | FEBRUARY | | | MARCH | | | APRIL | | | MAY | | |
| | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| 1 | 84 | 79 | 82 | 83 | 77 | 80 | 75 | 69 | 72 | 73 | 63 | 68 |
| 2 | 84 | 80 | 82 | 88 | 80 | 83 | 73 | 68 | 71 | 75 | 66 | 71 |
| 3 | 86 | 79 | 83 | 88 | 84 | 86 | 74 | 68 | 71 | 76 | 70 | 73 |
| 4 | 87 | 82 | 85 | 90 | 83 | 86 | 76 | 69 | 72 | 73 | 63 | 69 |
| 5 | 89 | 83 | 86 | 89 | 85 | 87 | 78 | 71 | 74 | 70 | 61 | 66 |
| 6 | 93 | 85 | 89 | 90 | 85 | 87 | 78 | 71 | 75 | 70 | 54 | 63 |
| 7 | 96 | 88 | 92 | 88 | 83 | 85 | 80 | 73 | 76 | 64 | 54 | 59 |
| 8 | 96 | 91 | 93 | 85 | 79 | 82 | 80 | 74 | 77 | 61 | 52 | 57 |
| 9 | 95 | 90 | 93 | 81 | 77 | 79 | 82 | 74 | 77 | 60 | 49 | 56 |
| 10 | 95 | 89 | 93 | 81 | 75 | 77 | 79 | 74 | 76 | 59 | 48 | 54 |
| 11 | 93 | 86 | 89 | 80 | 72 | 77 | 82 | 74 | 77 | 56 | 48 | 52 |
| 12 | 92 | 85 | 89 | 80 | 75 | 77 | 79 | 74 | 77 | 56 | 48 | 51 |
| 13 | 90 | 84 | 87 | 80 | 75 | 77 | 82 | 75 | 78 | 54 | 48 | 51 |
| 14 | 88 | 84 | 86 | 79 | 74 | 76 | 82 | 72 | 78 | 54 | 47 | 51 |
| 15 | 87 | 83 | 84 | 78 | 74 | 76 | 77 | 71 | 74 | 55 | 47 | 52 |
| 16 | 87 | 81 | 84 | 78 | 74 | 76 | 75 | 68 | 72 | 55 | 48 | 52 |
| 17 | 85 | 80 | 83 | 78 | 73 | 75 | 75 | 68 | 72 | 56 | 50 | 53 |
| 18 | 85 | 79 | 83 | 77 | 73 | 75 | 76 | 71 | 74 | 56 | 51 | 54 |
| 19 | 87 | 80 | 84 | 80 | 73 | 76 | 76 | 71 | 74 | 58 | 52 | 55 |
| 20 | 89 | 81 | 84 | 81 | 75 | 77 | 77 | 70 | 73 | 62 | 54 | 57 |
| 21 | 89 | 83 | 86 | 82 | 77 | 79 | 74 | 69 | 72 | 62 | 53 | 57 |
| 22 | 89 | 83 | 86 | 83 | 76 | 80 | 74 | 68 | 72 | 65 | 55 | 58 |
| 23 | 88 | 82 | 85 | 82 | 77 | 79 | 73 | 68 | 71 | 69 | 56 | 61 |
| 24 | 86 | 82 | 84 | 81 | 75 | 78 | 72 | 68 | 70 | 70 | 57 | 61 |
| 25 | 85 | 81 | 83 | 81 | 74 | 78 | 73 | 68 | 70 | 68 | 56 | 61 |
| 26 | 84 | 79 | 82 | 81 | 75 | 77 | 76 | 67 | 70 | 67 | 55 | 61 |
| 27 | 83 | 76 | 80 | 78 | 74 | 76 | 76 | 67 | 70 | --- | --- | --- |
| 28 | 82 | 76 | 79 | 78 | 72 | 75 | 72 | 64 | 68 | --- | --- | --- |
| 29 | 80 | 76 | 78 | 75 | 70 | 73 | 70 | 63 | 67 | --- | --- | --- |
| 30 | --- | --- | --- | 74 | 70 | 72 | 70 | 63 | 67 | --- | --- | --- |
| 31 | --- | --- | --- | 74 | 68 | 71 | --- | --- | --- | --- | --- | --- |
| MONTH | 96 | 76 | 85 | 90 | 68 | 78 | 82 | 63 | 73 | --- | --- | --- |

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

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

| DAY | JUNE | | | JULY | | | AUGUST | | | SEPTEMBER | | |
|-------|------|-----|------|------|-----|------|--------|-----|------|-----------|-----|------|
| | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| 1 | --- | --- | --- | --- | --- | --- | 49 | 39 | 44 | 51 | 37 | 43 |
| 2 | --- | --- | --- | --- | --- | --- | 47 | 37 | 43 | 52 | 37 | 45 |
| 3 | --- | --- | --- | --- | --- | --- | 52 | 39 | 46 | 52 | 38 | 45 |
| 4 | --- | --- | --- | --- | --- | --- | 57 | 44 | 50 | 48 | 37 | 43 |
| 5 | --- | --- | --- | --- | --- | --- | 55 | 45 | 51 | 48 | 38 | 43 |
| 6 | --- | --- | --- | --- | --- | --- | 58 | 46 | 53 | 48 | 40 | 44 |
| 7 | --- | --- | --- | --- | --- | --- | 57 | 48 | 52 | 49 | 42 | 44 |
| 8 | --- | --- | --- | 50 | 45 | 49 | 56 | 47 | 52 | 59 | 43 | 51 |
| 9 | 54 | 48 | 50 | 51 | 45 | 48 | 57 | 45 | 51 | 59 | 48 | 54 |
| 10 | 52 | 47 | 49 | 53 | 43 | 47 | 54 | 44 | 49 | 52 | 42 | 46 |
| 11 | 54 | 47 | 50 | 52 | 42 | 47 | 53 | 44 | 48 | 54 | 42 | 47 |
| 12 | 55 | 47 | 51 | 53 | 41 | 48 | 54 | 41 | 48 | 51 | 35 | 44 |
| 13 | 55 | 48 | 52 | 54 | 42 | 48 | 61 | 43 | 53 | 47 | 38 | 42 |
| 14 | 56 | 48 | 52 | 53 | 38 | 47 | 65 | 43 | 56 | 47 | 40 | 44 |
| 15 | --- | --- | --- | 51 | 38 | 44 | 66 | 51 | 59 | 47 | 38 | 43 |
| 16 | --- | --- | --- | 52 | 41 | 45 | 59 | 53 | 57 | 43 | 37 | 40 |
| 17 | --- | --- | --- | 50 | 41 | 45 | 58 | 53 | 55 | 52 | 37 | 44 |
| 18 | --- | --- | --- | 51 | 39 | 44 | 59 | 44 | 52 | 53 | 44 | 48 |
| 19 | --- | --- | --- | 49 | 38 | 43 | 52 | 41 | 46 | 51 | 41 | 46 |
| 20 | --- | --- | --- | 49 | 38 | 43 | 47 | 38 | 43 | 55 | 47 | 51 |
| 21 | --- | --- | --- | 49 | 38 | 44 | 50 | 38 | 44 | 56 | 50 | 53 |
| 22 | --- | --- | --- | 45 | 37 | 41 | 51 | 42 | 46 | 55 | 45 | 52 |
| 23 | --- | --- | --- | 45 | 37 | 41 | 49 | 40 | 45 | 55 | 43 | 50 |
| 24 | 61 | 49 | 55 | 46 | 33 | 39 | 48 | 36 | 43 | 55 | 46 | 52 |
| 25 | 59 | 49 | 54 | 49 | 31 | 38 | 48 | 35 | 41 | 57 | 50 | 54 |
| 26 | 61 | 52 | 56 | 43 | 32 | 37 | 46 | 34 | 40 | 58 | 51 | 56 |
| 27 | 61 | 50 | 55 | 42 | 33 | 37 | 44 | 36 | 40 | 59 | 56 | 57 |
| 28 | 60 | 49 | 54 | 49 | 35 | 41 | 42 | 35 | 40 | 68 | 58 | 63 |
| 29 | 60 | 48 | 53 | 54 | 39 | 45 | 50 | 37 | 42 | 64 | 50 | 58 |
| 30 | --- | --- | --- | 53 | 39 | 44 | 55 | 47 | 51 | 56 | 47 | 51 |
| 31 | --- | --- | --- | 49 | 38 | 43 | 51 | 40 | 45 | --- | --- | --- |
| MONTH | --- | --- | --- | --- | --- | --- | 66 | 34 | 48 | 68 | 35 | 48 |

02108690 NORTHEAST CAPE FEAR RIVER NEAR WILMINGTON, NC—Continued

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 |
|-------|-----|-----|------|-----|-----|------|-----|-----|------|-----|-----|------|
| | | | | | | | | | | | | |
| 1 | 58 | 54 | 55 | 65 | 60 | 63 | 76 | 70 | 73 | --- | --- | --- |
| 2 | 58 | 53 | 55 | 66 | 57 | 62 | --- | --- | --- | --- | --- | --- |
| 3 | 62 | 48 | 56 | 66 | 62 | 64 | --- | --- | --- | --- | --- | --- |
| 4 | 60 | 49 | 55 | 68 | 62 | 65 | --- | --- | --- | --- | --- | --- |
| 5 | 58 | 47 | 53 | 70 | 64 | 67 | --- | --- | --- | --- | --- | --- |
| 6 | 56 | 48 | 53 | 69 | 65 | 67 | --- | --- | --- | --- | --- | --- |
| 7 | --- | --- | --- | 69 | 66 | 67 | --- | --- | --- | --- | --- | --- |
| 8 | --- | --- | --- | 68 | 64 | 66 | --- | --- | --- | --- | --- | --- |
| 9 | --- | --- | --- | 69 | 64 | 67 | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | 68 | 64 | 66 | --- | --- | --- | --- | --- | --- |
| 11 | --- | --- | --- | 69 | 66 | 67 | --- | --- | --- | --- | --- | --- |
| 12 | --- | --- | --- | 69 | 65 | 67 | --- | --- | --- | --- | --- | --- |
| 13 | --- | --- | --- | 71 | 66 | 68 | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | 72 | 68 | 70 | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | 73 | 69 | 71 | --- | --- | --- | --- | --- | --- |
| 16 | --- | --- | --- | 72 | 69 | 70 | --- | --- | --- | --- | --- | --- |
| 17 | --- | --- | --- | 72 | 69 | 70 | --- | --- | --- | --- | --- | --- |
| 18 | --- | --- | --- | 72 | 69 | 70 | --- | --- | --- | --- | --- | --- |
| 19 | --- | --- | --- | 73 | 70 | 71 | --- | --- | --- | --- | --- | --- |
| 20 | --- | --- | --- | 73 | 70 | 71 | --- | --- | --- | --- | --- | --- |
| 21 | 58 | 51 | 55 | 73 | 70 | 72 | --- | --- | --- | --- | --- | --- |
| 22 | 62 | 54 | 57 | 73 | 70 | 72 | --- | --- | --- | --- | --- | --- |
| 23 | 60 | 56 | 57 | 73 | 71 | 72 | --- | --- | --- | --- | --- | --- |
| 24 | 60 | 56 | 58 | 73 | 71 | 72 | --- | --- | --- | --- | --- | --- |
| 25 | 59 | 56 | 57 | 78 | 72 | 74 | --- | --- | --- | --- | --- | --- |
| 26 | 60 | 56 | 58 | 77 | 72 | 74 | --- | --- | --- | --- | --- | --- |
| 27 | 60 | 57 | 59 | 75 | 72 | 74 | --- | --- | --- | --- | --- | --- |
| 28 | 61 | 58 | 59 | 76 | 72 | 74 | --- | --- | --- | --- | --- | --- |
| 29 | 62 | 58 | 60 | 75 | 70 | 73 | --- | --- | --- | --- | --- | --- |
| 30 | 64 | 58 | 61 | 74 | 71 | 72 | --- | --- | --- | --- | --- | --- |
| 31 | 64 | 61 | 62 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MONTH | --- | --- | --- | 78 | 57 | 69 | --- | --- | --- | --- | --- | --- |