

0344789265 BOYD BRANCH AT BENT CREEK GAP ROAD NEAR LAKE POWHATAN, NC—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 2004 to November 2005 (discontinued).

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: August 2004 to November 2005.

pH: August 2004 to November 2005.

WATER TEMPERATURE: August 2004 to November 2005.

DISSOLVED OXYGEN: August 2004 to November 2005.

DISSOLVED OXYGEN, PERCENT SATURATION: August 2004 to November 2005.

INSTRUMENTATION.-- Water-quality monitor with satellite telemetry from August 2004 to November 2005.

REMARKS.--Station operated in cooperation with North Carolina Department of Environment and Natural Resources, Division of Water Resources, as part of the Piedmont/Mountains ground-water project. Dissolved oxygen, percent saturation, computed using a barometric pressure of 710 mm Hg.

EXTREMES FOR PERIOD OF DAILY RECORD.--

| CONSTITUENT | MAXIMUM RECORDED | MINIMUM RECORDED |
|---|--|--|
| SPECIFIC CONDUCTANCE, microsiemens | 33, October 6, 7, November 29, 2005 | 9, December 20, 21, 2004, January 28, 29, 2005 |
| pH, standard units | 7.4, August 9, 2004 | 5.8, July 27, August 13, 2005 |
| WATER TEMPERATURE, °C | 20.4, July 27, 2005 | 0.4, January 24, 2005 |
| DISSOLVED OXYGEN, mg/L | 13.0, December 20, 2004, March 2, 2005 | 6.1, November 9, 10, 2005 |
| DISSOLVED OXYGEN, PERCENT SATURATION, % | 105, April 16, 17, June 28, 2005 | 62, November 10, 2005 |

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

| Date | Time | Carbon dioxide water, unfltrd mg/L (00405) | Dis-solved oxygen, mg/L (00300) | Dis-solved oxygen, percent of saturation (00301) | pH, water, unfltrd std units (00400) | Specif. conduc-tance, wat unf uS/cm 25 degC (00095) | Temper-ature, water, deg C (00010) | Hard-ness, water, mg/L as CaCO3 (00900) | Calcium water, fltrd, mg/L (00915) | Magnes-ium, water, fltrd, mg/L (00925) | Potas-sium, water, fltrd, mg/L (00935) | Sodium adsorp-tion ratio (00931) | Sodium, water, fltrd, mg/L (00930) |
|-----------|-------------------------|---|------------------------------------|--|---|---|------------------------------------|--|---|--|---|--|---|
| Date | Sodium, percent (00932) | ANC, wat unf incrm. titr., field, mg/L as CaCO3 (00419) | Bromide water, fltrd, mg/L (71870) | Chlor-ide, water, fltrd, mg/L (00940) | Fluor-ide, water, fltrd, mg/L (00950) | Silica, water, fltrd, mg/L (00955) | Sulfate water, fltrd, mg/L (00945) | Residue water, sum of consti-tuents mg/L (70301) | Residue water, fltrd, tons/ acre-ft (70303) | Residue on evap. at 180degC wat flt mg/L (70300) | Ammonia water, fltrd, mg/L as N (00608) | Nitrite + nitrate water fltrd, mg/L as N (00631) | Nitrite water, fltrd, mg/L as N (00613) |
| Date | | | | | Total nitro-gen. wat flt by anal ysis, mg/L (62854) | Ortho-phos-phate, water, fltrd, mg/L as P (00671) | Arsenic water, fltrd, ug/L (01000) | Boron, water, fltrd, ug/L (01020) | Iron, water, fltrd, ug/L (01046) | Mangan-ese, water, fltrd, ug/L (01056) | | | |
| AUG 18... | 0815 | 1.0 | 8.2 | 94 | 7.3 | 18 | 18.1 | 6 | 1.21 | .691 | .78 | .3 | 1.49 |
| AUG 18... | 32 | 8 | .04 | .88 | <.1 | 11.2 | 1.0 | 22 | .03 | 25 | <.04 | E.04 | <.008 |
| AUG 18... | | | | | .20 | <.006 | <2 | <7.0 | 77 | 10.8 | | | |

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

0344789265 BOYD BRANCH AT BENT CREEK GAP ROAD NEAR LAKE POWHATAN, NC—Continued

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

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
|-------|----------|-----|------|-------|-----|------|-------|-----|------|-----|-----|------|
| | | | | | | | | | | | | |
| 1 | --- | --- | --- | 15 | 14 | 15 | 12 | 11 | 12 | 12 | 11 | 11 |
| 2 | --- | --- | --- | 16 | 15 | 15 | 12 | 11 | 11 | 12 | 11 | 11 |
| 3 | --- | --- | --- | 16 | 15 | 16 | 11 | 11 | 11 | 12 | 11 | 12 |
| 4 | --- | --- | --- | 21 | 15 | 18 | 11 | 10 | 11 | 12 | 12 | 12 |
| 5 | --- | --- | --- | 16 | 14 | 15 | 11 | 10 | 11 | 12 | 12 | 12 |
| 6 | --- | --- | --- | 14 | 13 | 14 | 12 | 11 | 11 | 13 | 12 | 12 |
| 7 | 15 | 14 | 14 | 14 | 13 | 14 | 12 | 11 | 12 | 12 | 12 | 12 |
| 8 | 14 | 13 | 14 | 14 | 13 | 14 | 13 | 11 | 12 | 13 | 12 | 12 |
| 9 | 14 | 14 | 14 | 14 | 13 | 13 | 12 | 11 | 11 | 12 | 12 | 12 |
| 10 | 15 | 14 | 14 | 14 | 13 | 13 | 12 | 12 | 12 | 12 | 12 | 12 |
| 11 | 15 | 14 | 14 | 14 | 12 | 13 | 12 | 11 | 12 | 13 | 12 | 12 |
| 12 | 16 | 14 | 15 | 14 | 12 | 14 | 11 | 11 | 11 | 13 | 12 | 12 |
| 13 | 17 | 14 | 15 | 14 | 13 | 13 | 11 | 11 | 11 | 14 | 12 | 13 |
| 14 | 15 | 14 | 14 | 14 | 12 | 13 | 12 | 10 | 11 | 14 | 12 | 13 |
| 15 | 14 | 14 | 14 | 13 | 12 | 12 | 11 | 10 | 10 | 12 | 11 | 12 |
| 16 | 14 | 13 | 14 | 13 | 12 | 12 | 11 | 10 | 10 | 12 | 11 | 11 |
| 17 | 14 | 13 | 14 | 13 | 12 | 13 | 11 | 10 | 10 | 11 | 10 | 11 |
| 18 | 14 | 13 | 14 | 13 | 12 | 13 | 11 | 10 | 10 | 11 | 10 | 10 |
| 19 | 16 | 14 | 15 | 13 | 13 | 13 | 11 | 10 | 11 | 11 | 10 | 10 |
| 20 | 15 | 15 | 15 | 14 | 13 | 13 | 11 | 9 | 10 | 11 | 10 | 11 |
| 21 | 15 | 15 | 15 | 14 | 13 | 13 | 10 | 9 | 10 | 12 | 11 | 11 |
| 22 | 15 | 15 | 15 | 14 | 13 | 13 | 11 | 10 | 10 | 11 | 11 | 11 |
| 23 | 16 | 15 | 15 | 14 | 13 | 13 | 13 | 11 | 12 | 11 | 10 | 10 |
| 24 | 15 | 15 | 15 | 18 | 13 | 14 | 11 | 10 | 11 | 11 | 10 | 10 |
| 25 | 15 | 14 | 15 | 14 | 12 | 13 | 11 | 10 | 10 | 11 | 10 | 11 |
| 26 | 15 | 14 | 15 | 12 | 12 | 12 | 11 | 10 | 10 | 11 | 10 | 11 |
| 27 | 16 | 15 | 15 | 12 | 11 | 12 | 11 | 10 | 10 | 10 | 10 | 10 |
| 28 | 17 | 15 | 16 | 12 | 11 | 12 | 10 | 10 | 10 | 10 | 9 | 10 |
| 29 | 17 | 15 | 16 | 12 | 11 | 12 | 11 | 10 | 10 | 10 | 9 | 9 |
| 30 | 16 | 15 | 15 | 12 | 11 | 12 | 11 | 10 | 11 | 11 | 10 | 10 |
| 31 | 15 | 15 | 15 | --- | --- | --- | 11 | 11 | 11 | 11 | 10 | 10 |
| MONTH | --- | --- | --- | 21 | 11 | 13 | 13 | 9 | 11 | 14 | 9 | 11 |
| | FEBRUARY | | | MARCH | | | APRIL | | | MAY | | |
| 1 | 11 | 10 | 10 | 13 | 13 | 13 | 15 | 15 | 15 | --- | --- | --- |
| 2 | 11 | 10 | 10 | 13 | 13 | 13 | 16 | 15 | 15 | --- | --- | --- |
| 3 | 11 | 10 | 11 | 13 | 12 | 13 | 15 | 15 | 15 | --- | --- | --- |
| 4 | 11 | 10 | 10 | 13 | 12 | 12 | 15 | 15 | 15 | --- | --- | --- |
| 5 | 11 | 10 | 10 | 13 | 12 | 12 | 15 | 15 | 15 | --- | --- | --- |
| 6 | 11 | 10 | 10 | 13 | 13 | 13 | 16 | 15 | 15 | --- | --- | --- |
| 7 | 11 | 10 | 11 | 14 | 13 | 13 | 16 | 15 | 15 | --- | --- | --- |
| 8 | 14 | 11 | 11 | 14 | 14 | 14 | 16 | 15 | 15 | --- | --- | --- |
| 9 | 11 | 11 | 11 | 14 | 13 | 13 | 16 | 15 | 15 | --- | --- | --- |
| 10 | 11 | 10 | 10 | 14 | 13 | 13 | 16 | 15 | 15 | --- | --- | --- |
| 11 | 10 | 10 | 10 | 14 | 13 | 13 | 16 | 15 | 16 | --- | --- | --- |
| 12 | 11 | 10 | 10 | 14 | 13 | 13 | 16 | 15 | 16 | --- | --- | --- |
| 13 | 11 | 10 | 10 | 14 | 13 | 14 | 17 | 15 | 16 | --- | --- | --- |
| 14 | 11 | 10 | 10 | 14 | 12 | 13 | 17 | 16 | 16 | --- | --- | --- |
| 15 | 11 | 10 | 11 | 14 | 12 | 13 | 16 | 15 | 16 | --- | --- | --- |
| 16 | 11 | 11 | 11 | 15 | 14 | 15 | 16 | 15 | 16 | --- | --- | --- |
| 17 | 11 | 10 | 11 | 15 | 14 | 14 | 16 | 15 | 15 | --- | --- | --- |
| 18 | 11 | 10 | 10 | 15 | 14 | 15 | 16 | 15 | 16 | --- | --- | --- |
| 19 | 11 | 10 | 10 | 15 | 13 | 14 | 17 | 16 | 16 | --- | --- | --- |
| 20 | 11 | 10 | 10 | 14 | 13 | 14 | 16 | 16 | 16 | --- | --- | --- |
| 21 | 12 | 11 | 11 | 15 | 13 | 14 | 17 | 16 | 16 | --- | --- | --- |
| 22 | 12 | 11 | 11 | 15 | 14 | 14 | 17 | 16 | 16 | --- | --- | --- |
| 23 | 12 | 11 | 11 | 16 | 15 | 15 | 17 | 16 | 17 | --- | --- | --- |
| 24 | 14 | 11 | 13 | 15 | 15 | 15 | 17 | 16 | 16 | --- | --- | --- |
| 25 | 14 | 14 | 14 | 15 | 15 | 15 | 17 | 16 | 17 | 17 | 17 | 17 |
| 26 | 14 | 14 | 14 | 16 | 15 | 15 | 17 | 16 | 17 | 17 | 17 | 17 |
| 27 | 14 | 13 | 13 | 17 | 15 | 15 | 17 | 17 | 17 | 18 | 17 | 17 |
| 28 | 14 | 12 | 13 | 17 | 15 | 16 | 17 | 17 | 17 | 20 | 17 | 18 |
| 29 | --- | --- | --- | 15 | 15 | 15 | 18 | 17 | 17 | 22 | 18 | 18 |
| 30 | --- | --- | --- | 15 | 15 | 15 | --- | --- | --- | 23 | 18 | 18 |
| 31 | --- | --- | --- | 15 | 15 | 15 | --- | --- | --- | 19 | 18 | 18 |
| MONTH | 14 | 10 | 11 | 17 | 12 | 14 | --- | --- | --- | --- | --- | --- |

0344789265 BOYD BRANCH AT BENT CREEK GAP ROAD NEAR LAKE POWHATAN, NC—Continued

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

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
|-------|-----|-----|------|-----|-----|------|-----|-----|------|-----|-----|------|
| | | | | | | | | | | | | |
| 1 | 20 | 19 | 19 | 26 | 19 | 19 | 21 | 20 | 21 | 24 | 18 | 19 |
| 2 | 20 | 18 | 20 | 25 | 20 | 21 | 21 | 20 | 20 | 19 | 18 | 19 |
| 3 | 20 | 16 | 20 | 27 | 21 | 21 | 21 | 20 | 21 | 19 | 19 | 19 |
| 4 | 20 | 19 | 20 | 23 | 22 | 22 | 22 | 21 | 21 | 19 | 19 | 19 |
| 5 | 21 | 19 | 20 | 27 | 23 | 23 | 23 | 21 | 22 | 19 | 18 | 19 |
| 6 | 20 | 20 | 20 | 24 | 23 | 23 | 23 | 22 | 23 | 18 | 18 | 18 |
| 7 | 22 | 20 | 21 | 27 | 16 | 20 | 23 | 22 | 22 | 18 | 18 | 18 |
| 8 | 23 | 21 | 22 | 23 | 17 | 18 | 24 | 21 | 22 | 19 | 18 | 18 |
| 9 | 23 | 22 | 22 | 22 | 17 | 18 | 21 | 20 | 21 | 19 | 18 | 19 |
| 10 | 23 | 22 | 22 | 22 | 18 | 18 | 21 | 21 | 21 | 19 | 19 | 19 |
| 11 | 24 | 23 | 23 | 22 | 18 | 19 | 21 | 20 | 20 | 20 | 19 | 19 |
| 12 | --- | --- | --- | 24 | 22 | 23 | 21 | 20 | 21 | 20 | 19 | 19 |
| 13 | --- | --- | --- | 24 | 21 | 22 | 21 | 19 | 20 | 20 | 19 | 20 |
| 14 | --- | --- | --- | 23 | 21 | 21 | 20 | 18 | 19 | 20 | 20 | 20 |
| 15 | --- | --- | --- | 22 | 21 | 22 | 20 | 19 | 19 | 21 | 20 | 20 |
| 16 | --- | --- | --- | 22 | 21 | 21 | 20 | 19 | 20 | 22 | 20 | 21 |
| 17 | --- | --- | --- | 21 | 21 | 21 | 20 | 19 | 19 | 21 | 21 | 21 |
| 18 | --- | --- | --- | 22 | 20 | 21 | 21 | 19 | 20 | 21 | 20 | 20 |
| 19 | --- | --- | --- | 25 | 21 | 23 | 22 | 20 | 21 | 21 | 20 | 20 |
| 20 | --- | --- | --- | 25 | 15 | 22 | 28 | 22 | 23 | 21 | 20 | 20 |
| 21 | --- | --- | --- | 17 | 16 | 16 | 27 | 21 | 23 | 21 | 20 | 21 |
| 22 | --- | --- | --- | 18 | 16 | 16 | 24 | 22 | 23 | 22 | 21 | 21 |
| 23 | --- | --- | --- | 18 | 17 | 17 | 24 | 22 | 22 | 22 | 21 | 21 |
| 24 | --- | --- | --- | 17 | 17 | 17 | 23 | 22 | 22 | 23 | 21 | 22 |
| 25 | --- | --- | --- | 17 | 17 | 17 | 24 | 22 | 22 | 21 | 16 | 17 |
| 26 | --- | --- | --- | 17 | 17 | 17 | 25 | 21 | 22 | 19 | 17 | 18 |
| 27 | --- | --- | --- | 24 | 17 | 18 | 22 | 21 | 22 | 18 | 17 | 18 |
| 28 | --- | --- | --- | 19 | 16 | 18 | 23 | 20 | 21 | 18 | 17 | 17 |
| 29 | 17 | 16 | 16 | 22 | 18 | 20 | 23 | 21 | 21 | 19 | 18 | 18 |
| 30 | 19 | 17 | 18 | 21 | 20 | 21 | 28 | 21 | 25 | 19 | 18 | 19 |
| 31 | --- | --- | --- | 21 | 19 | 20 | 24 | 19 | 21 | --- | --- | --- |
| MONTH | --- | --- | --- | 27 | 15 | 20 | 28 | 18 | 21 | 24 | 16 | 19 |

0344789265 BOYD BRANCH AT BENT CREEK GAP ROAD NEAR LAKE POWHATAN, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
|-------|---------|-----|------|----------|-----|------|----------|-----|------|---------|-----|------|
| | OCTOBER | | | NOVEMBER | | | DECEMBER | | | JANUARY | | |
| 1 | 19 | 18 | 19 | 17 | 17 | 17 | --- | --- | --- | --- | --- | --- |
| 2 | 19 | 18 | 19 | 17 | 17 | 17 | --- | --- | --- | --- | --- | --- |
| 3 | 20 | 19 | 19 | 17 | 17 | 17 | --- | --- | --- | --- | --- | --- |
| 4 | 20 | 19 | 20 | 17 | 17 | 17 | --- | --- | --- | --- | --- | --- |
| 5 | 21 | 19 | 20 | 18 | 17 | 17 | --- | --- | --- | --- | --- | --- |
| 6 | 33 | 21 | 26 | 18 | 17 | 18 | --- | --- | --- | --- | --- | --- |
| 7 | 33 | 20 | 27 | 18 | 17 | 18 | --- | --- | --- | --- | --- | --- |
| 8 | 22 | 20 | 21 | 18 | 17 | 17 | --- | --- | --- | --- | --- | --- |
| 9 | 21 | 20 | 20 | 18 | 17 | 18 | --- | --- | --- | --- | --- | --- |
| 10 | 22 | 20 | 21 | 21 | 18 | 20 | --- | --- | --- | --- | --- | --- |
| 11 | 21 | 19 | 20 | 19 | 18 | 18 | --- | --- | --- | --- | --- | --- |
| 12 | 20 | 19 | 19 | 18 | 17 | 18 | --- | --- | --- | --- | --- | --- |
| 13 | 20 | 18 | 19 | 23 | 17 | 17 | --- | --- | --- | --- | --- | --- |
| 14 | 20 | 18 | 19 | 23 | 17 | 18 | --- | --- | --- | --- | --- | --- |
| 15 | 20 | 18 | 19 | 22 | 17 | 18 | --- | --- | --- | --- | --- | --- |
| 16 | 19 | 17 | 18 | 29 | 21 | 24 | --- | --- | --- | --- | --- | --- |
| 17 | --- | --- | --- | 21 | 16 | 20 | --- | --- | --- | --- | --- | --- |
| 18 | 18 | 17 | 17 | 17 | 16 | 16 | --- | --- | --- | --- | --- | --- |
| 19 | 18 | 17 | 18 | 19 | 16 | 16 | --- | --- | --- | --- | --- | --- |
| 20 | 18 | 18 | 18 | 16 | 16 | 16 | --- | --- | --- | --- | --- | --- |
| 21 | 18 | 17 | 18 | 22 | 16 | 18 | --- | --- | --- | --- | --- | --- |
| 22 | 18 | 18 | 18 | 22 | 18 | 19 | --- | --- | --- | --- | --- | --- |
| 23 | 20 | 17 | 18 | 18 | 17 | 18 | --- | --- | --- | --- | --- | --- |
| 24 | 18 | 17 | 17 | 18 | 17 | 17 | --- | --- | --- | --- | --- | --- |
| 25 | 18 | 17 | 17 | 17 | 16 | 16 | --- | --- | --- | --- | --- | --- |
| 26 | 17 | 17 | 17 | 17 | 16 | 16 | --- | --- | --- | --- | --- | --- |
| 27 | 17 | 16 | 17 | 17 | 16 | 16 | --- | --- | --- | --- | --- | --- |
| 28 | 17 | 17 | 17 | 27 | 17 | 20 | --- | --- | --- | --- | --- | --- |
| 29 | 17 | 16 | 17 | 33 | 15 | 19 | --- | --- | --- | --- | --- | --- |
| 30 | 17 | 16 | 17 | 15 | 14 | 14 | --- | --- | --- | --- | --- | --- |
| 31 | 17 | 16 | 17 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MONTH | --- | --- | --- | 33 | 14 | 18 | --- | --- | --- | --- | --- | --- |

0344789265 BOYD BRANCH AT BENT CREEK GAP ROAD NEAR LAKE POWHATAN, NC—Continued

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

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
|-------|-----|-----|------|-----|-----|------|-----|-----|------|-----|-----|------|
| | | | | | | | | | | | | |
| 1 | --- | --- | --- | 6.3 | 6.1 | 6.2 | 6.6 | 6.4 | 6.5 | 6.5 | 6.4 | 6.5 |
| 2 | --- | --- | --- | 6.2 | 6.1 | 6.2 | 6.5 | 6.4 | 6.5 | 6.6 | 6.4 | 6.5 |
| 3 | --- | --- | --- | 6.2 | 6.1 | 6.1 | 6.5 | 6.5 | 6.5 | 6.4 | 6.4 | 6.4 |
| 4 | --- | --- | --- | 6.3 | 6.0 | 6.1 | 6.5 | 6.5 | 6.5 | 6.4 | 6.3 | 6.4 |
| 5 | --- | --- | --- | 6.5 | 5.9 | 6.3 | 6.5 | 6.4 | 6.5 | 6.5 | 6.4 | 6.4 |
| 6 | --- | --- | --- | 6.6 | 6.4 | 6.5 | 6.5 | 6.4 | 6.5 | 6.4 | 6.4 | 6.4 |
| 7 | --- | --- | --- | 6.6 | 6.5 | 6.6 | 6.4 | 6.4 | 6.4 | 6.5 | 6.4 | 6.4 |
| 8 | --- | --- | --- | 6.6 | 6.4 | 6.5 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 |
| 9 | --- | --- | --- | 6.7 | 6.5 | 6.6 | 6.5 | 6.4 | 6.4 | 6.5 | 6.4 | 6.4 |
| 10 | 6.0 | 6.0 | 6.0 | 6.7 | 6.6 | 6.6 | 6.5 | 6.2 | 6.4 | 6.5 | 6.4 | 6.4 |
| 11 | 6.1 | 6.0 | 6.0 | 6.7 | 6.6 | 6.6 | 6.4 | 6.4 | 6.4 | 6.5 | 6.4 | 6.4 |
| 12 | 6.2 | 6.0 | 6.1 | 6.6 | 6.4 | 6.5 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 |
| 13 | 6.1 | 6.0 | 6.0 | 6.6 | 6.5 | 6.5 | 6.5 | 6.3 | 6.5 | 6.4 | 6.3 | 6.4 |
| 14 | 6.1 | 6.0 | 6.1 | 6.6 | 6.6 | 6.6 | 6.5 | 6.5 | 6.5 | 6.5 | 6.3 | 6.4 |
| 15 | 6.2 | 6.0 | 6.1 | 6.6 | 6.6 | 6.6 | 6.5 | 6.5 | 6.5 | 6.5 | 6.4 | 6.4 |
| 16 | 6.2 | 6.0 | 6.1 | 6.6 | 6.6 | 6.6 | 6.6 | 6.5 | 6.5 | 6.5 | 6.4 | 6.5 |
| 17 | 6.2 | 6.0 | 6.0 | 6.6 | 6.5 | 6.6 | 6.6 | 6.4 | 6.5 | 6.5 | 6.4 | 6.5 |
| 18 | 6.2 | 6.1 | 6.2 | 6.6 | 6.5 | 6.5 | 6.5 | 6.4 | 6.4 | 6.5 | 6.3 | 6.4 |
| 19 | 6.2 | 6.1 | 6.2 | 6.6 | 6.4 | 6.5 | 6.5 | 6.4 | 6.4 | 6.4 | 6.3 | 6.3 |
| 20 | 6.2 | 6.1 | 6.2 | 6.5 | 6.4 | 6.4 | 6.5 | 6.4 | 6.4 | 6.4 | 6.2 | 6.3 |
| 21 | 6.3 | 6.2 | 6.2 | 6.5 | 6.4 | 6.5 | 6.5 | 6.4 | 6.4 | 6.3 | 6.3 | 6.3 |
| 22 | 6.2 | 6.2 | 6.2 | 6.6 | 6.4 | 6.5 | 6.5 | 6.4 | 6.5 | 6.3 | 6.3 | 6.3 |
| 23 | 6.2 | 6.2 | 6.2 | 6.6 | 6.3 | 6.4 | 6.5 | 6.3 | 6.4 | 6.4 | 6.3 | 6.3 |
| 24 | 6.2 | 6.1 | 6.2 | 6.6 | 6.4 | 6.5 | 6.5 | 6.4 | 6.5 | 6.4 | 6.3 | 6.3 |
| 25 | 6.3 | 6.2 | 6.2 | 6.6 | 6.5 | 6.6 | 6.6 | 6.5 | 6.5 | 6.4 | 6.3 | 6.3 |
| 26 | 6.2 | 6.1 | 6.2 | 6.6 | 6.6 | 6.6 | 6.6 | 6.5 | 6.5 | --- | --- | --- |
| 27 | 6.2 | 6.1 | 6.2 | 6.6 | 6.5 | 6.6 | 6.6 | 6.5 | 6.5 | 6.4 | 6.3 | 6.3 |
| 28 | 6.2 | 6.1 | 6.2 | 6.6 | 6.5 | 6.5 | 6.6 | 6.5 | 6.5 | 6.4 | 6.3 | 6.3 |
| 29 | 6.2 | 6.1 | 6.2 | 6.6 | 6.5 | 6.6 | 6.6 | 6.4 | 6.5 | 6.3 | 6.3 | 6.3 |
| 30 | 6.3 | 6.2 | 6.2 | 6.6 | 6.6 | 6.6 | 6.6 | 6.5 | 6.5 | 6.3 | 6.3 | 6.3 |
| 31 | 6.3 | 6.2 | 6.3 | --- | --- | --- | 6.5 | 6.5 | 6.5 | 6.3 | 6.3 | 6.3 |
| MONTH | --- | --- | --- | 6.7 | 5.9 | 6.5 | 6.6 | 6.2 | 6.5 | --- | --- | --- |
| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| | | | | | | | | | | | | |
| 1 | 6.3 | 6.3 | 6.3 | 6.5 | 6.4 | 6.4 | 6.5 | 6.5 | 6.5 | 6.7 | 6.6 | 6.6 |
| 2 | 6.4 | 6.3 | 6.4 | 6.5 | 6.4 | 6.5 | 6.5 | 6.5 | 6.5 | 6.7 | 6.6 | 6.6 |
| 3 | 6.4 | 6.4 | 6.4 | 6.5 | 6.5 | 6.5 | 6.5 | 6.4 | 6.5 | 6.7 | 6.6 | 6.6 |
| 4 | 6.4 | 6.4 | 6.4 | 6.6 | 6.5 | 6.5 | 6.5 | 6.4 | 6.5 | 6.7 | 6.6 | 6.6 |
| 5 | 6.4 | 6.4 | 6.4 | 6.6 | 6.5 | 6.5 | 6.6 | 6.5 | 6.5 | 6.7 | 6.5 | 6.6 |
| 6 | 6.4 | 6.4 | 6.4 | 6.6 | 6.5 | 6.5 | 6.6 | 6.5 | 6.5 | 6.6 | 6.5 | 6.6 |
| 7 | 6.4 | 6.4 | 6.4 | 6.6 | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 | 6.6 | 6.5 | 6.6 |
| 8 | 6.4 | 6.3 | 6.4 | 6.6 | 6.5 | 6.5 | 6.5 | 6.4 | 6.5 | 6.6 | 6.5 | 6.6 |
| 9 | 6.4 | 6.3 | 6.4 | 6.5 | 6.4 | 6.4 | 6.6 | 6.5 | 6.5 | 6.6 | 6.5 | 6.6 |
| 10 | 6.4 | 6.4 | 6.4 | 6.5 | 6.4 | 6.4 | 6.6 | 6.5 | 6.5 | 6.6 | 6.4 | 6.5 |
| 11 | 6.4 | 6.4 | 6.4 | 6.5 | 6.4 | 6.4 | 6.6 | 6.5 | 6.5 | 6.6 | 6.5 | 6.5 |
| 12 | 6.4 | 6.4 | 6.4 | 6.5 | 6.4 | 6.5 | 6.6 | 6.4 | 6.5 | 6.6 | 6.5 | 6.5 |
| 13 | 6.4 | 6.4 | 6.4 | 6.5 | 6.4 | 6.4 | 6.5 | 6.4 | 6.5 | 6.6 | 6.5 | 6.5 |
| 14 | 6.5 | 6.4 | 6.5 | 6.5 | 6.4 | 6.5 | 6.5 | 6.4 | 6.5 | 6.6 | 6.5 | 6.5 |
| 15 | 6.5 | 6.5 | 6.5 | 6.5 | 6.4 | 6.5 | 6.6 | 6.5 | 6.5 | 6.6 | 6.5 | 6.5 |
| 16 | 6.5 | 6.5 | 6.5 | 6.5 | 6.4 | 6.5 | 6.6 | 6.5 | 6.5 | 6.6 | 6.5 | 6.5 |
| 17 | 6.5 | 6.5 | 6.5 | 6.5 | 6.4 | 6.4 | 6.6 | 6.2 | 6.5 | 6.6 | 6.5 | 6.5 |
| 18 | 6.5 | 6.5 | 6.5 | 6.4 | 6.3 | 6.4 | 6.6 | 6.5 | 6.5 | 6.6 | 6.5 | 6.5 |
| 19 | 6.5 | 6.4 | 6.5 | 6.4 | 6.3 | 6.4 | 6.6 | 6.5 | 6.5 | 6.6 | 6.5 | 6.5 |
| 20 | 6.5 | 6.5 | 6.5 | 6.4 | 6.3 | 6.4 | 6.6 | 6.5 | 6.5 | 6.5 | 6.3 | 6.4 |
| 21 | 6.5 | 6.4 | 6.4 | 6.4 | 6.1 | 6.4 | 6.7 | 6.5 | 6.6 | 6.5 | 6.5 | 6.5 |
| 22 | 6.5 | 6.4 | 6.5 | 6.4 | 6.4 | 6.4 | 6.7 | 6.6 | 6.6 | 6.6 | 6.5 | 6.5 |
| 23 | 6.5 | 6.5 | 6.5 | 6.4 | 6.3 | 6.4 | 6.7 | 6.6 | 6.6 | 6.6 | 6.5 | 6.5 |
| 24 | 6.6 | 6.5 | 6.6 | 6.4 | 6.4 | 6.4 | 6.6 | 6.6 | 6.6 | 6.6 | 6.4 | 6.5 |
| 25 | 6.6 | 6.6 | 6.6 | 6.5 | 6.4 | 6.4 | 6.7 | 6.6 | 6.6 | 6.6 | 6.5 | 6.5 |
| 26 | 6.6 | 6.6 | 6.6 | 6.5 | 6.4 | 6.4 | 6.6 | 6.6 | 6.6 | 6.6 | 6.5 | 6.5 |
| 27 | 6.6 | 6.6 | 6.6 | 6.5 | 6.2 | 6.4 | 6.6 | 6.6 | 6.6 | 6.6 | 6.5 | 6.5 |
| 28 | 6.6 | 6.4 | 6.5 | 6.4 | 6.1 | 6.3 | 6.6 | 6.6 | 6.6 | 6.6 | 6.5 | 6.5 |
| 29 | --- | --- | --- | 6.5 | 6.4 | 6.4 | 6.6 | 6.6 | 6.6 | 6.6 | 6.5 | 6.5 |
| 30 | --- | --- | --- | 6.5 | 6.4 | 6.5 | 6.6 | 6.6 | 6.6 | 6.6 | 6.5 | 6.5 |
| 31 | --- | --- | --- | 6.5 | 6.4 | 6.5 | --- | --- | --- | 6.6 | 6.5 | 6.5 |
| MONTH | 6.6 | 6.3 | 6.5 | 6.6 | 6.1 | 6.4 | 6.7 | 6.2 | 6.5 | 6.7 | 6.3 | 6.5 |

0344789265 BOYD BRANCH AT BENT CREEK GAP ROAD NEAR LAKE POWHATAN, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

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

0344789265 BOYD BRANCH AT BENT CREEK GAP ROAD NEAR LAKE POWHATAN, NC—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
|-------|-----|-----|------|-----|-----|------|-----|-----|------|-----|-----|------|
| | | | | | | | | | | | | |
| 1 | 6.8 | 6.8 | 6.8 | 6.8 | 6.7 | 6.7 | --- | --- | --- | --- | --- | --- |
| 2 | 6.9 | 6.7 | 6.8 | 6.8 | 6.7 | 6.8 | --- | --- | --- | --- | --- | --- |
| 3 | 6.8 | 6.7 | 6.8 | 6.8 | 6.7 | 6.7 | --- | --- | --- | --- | --- | --- |
| 4 | 6.8 | 6.6 | 6.7 | 6.8 | 6.7 | 6.8 | --- | --- | --- | --- | --- | --- |
| 5 | 6.8 | 6.7 | 6.8 | 6.9 | 6.8 | 6.8 | --- | --- | --- | --- | --- | --- |
| 6 | 6.7 | 6.3 | 6.6 | 6.9 | 6.8 | 6.8 | --- | --- | --- | --- | --- | --- |
| 7 | 6.7 | 6.5 | 6.6 | 6.9 | 6.8 | 6.8 | --- | --- | --- | --- | --- | --- |
| 8 | 6.8 | 6.6 | 6.7 | 6.9 | 6.8 | 6.8 | --- | --- | --- | --- | --- | --- |
| 9 | 6.8 | 6.7 | 6.8 | 6.9 | 6.8 | 6.9 | --- | --- | --- | --- | --- | --- |
| 10 | 6.8 | 6.7 | 6.8 | 6.9 | 6.8 | 6.8 | --- | --- | --- | --- | --- | --- |
| 11 | 6.8 | 6.7 | 6.8 | 6.8 | 6.7 | 6.8 | --- | --- | --- | --- | --- | --- |
| 12 | 6.8 | 6.7 | 6.8 | 6.9 | 6.7 | 6.8 | --- | --- | --- | --- | --- | --- |
| 13 | 6.8 | 6.8 | 6.8 | 6.9 | 6.8 | 6.9 | --- | --- | --- | --- | --- | --- |
| 14 | 6.8 | 6.8 | 6.8 | 6.9 | 6.8 | 6.9 | --- | --- | --- | --- | --- | --- |
| 15 | 6.8 | 6.7 | 6.8 | 7.0 | 6.9 | 6.9 | --- | --- | --- | --- | --- | --- |
| 16 | 6.8 | 6.7 | 6.7 | 7.0 | 6.9 | 6.9 | --- | --- | --- | --- | --- | --- |
| 17 | 6.7 | 6.6 | 6.6 | 6.9 | 6.8 | 6.9 | --- | --- | --- | --- | --- | --- |
| 18 | 6.7 | 6.6 | 6.7 | 6.8 | 6.7 | 6.8 | --- | --- | --- | --- | --- | --- |
| 19 | 6.8 | 6.7 | 6.7 | 6.8 | 6.7 | 6.8 | --- | --- | --- | --- | --- | --- |
| 20 | 6.8 | 6.7 | 6.7 | 6.9 | 6.8 | 6.8 | --- | --- | --- | --- | --- | --- |
| 21 | 6.8 | 6.7 | 6.8 | 6.9 | 6.6 | 6.8 | --- | --- | --- | --- | --- | --- |
| 22 | 6.8 | 6.7 | 6.8 | 6.6 | 6.3 | 6.4 | --- | --- | --- | --- | --- | --- |
| 23 | 6.8 | 6.6 | 6.7 | 6.4 | 6.3 | 6.3 | --- | --- | --- | --- | --- | --- |
| 24 | 6.8 | 6.6 | 6.7 | 6.5 | 6.4 | 6.4 | --- | --- | --- | --- | --- | --- |
| 25 | 6.6 | 6.6 | 6.6 | 6.5 | 6.2 | 6.4 | --- | --- | --- | --- | --- | --- |
| 26 | 6.7 | 6.6 | 6.7 | 6.5 | 6.3 | 6.4 | --- | --- | --- | --- | --- | --- |
| 27 | 6.7 | 6.6 | 6.6 | 6.5 | 6.3 | 6.4 | --- | --- | --- | --- | --- | --- |
| 28 | 6.7 | 6.6 | 6.7 | 6.4 | 6.3 | 6.4 | --- | --- | --- | --- | --- | --- |
| 29 | 6.7 | 6.6 | 6.7 | 6.7 | 6.3 | 6.6 | --- | --- | --- | --- | --- | --- |
| 30 | 6.7 | 6.6 | 6.6 | 6.7 | 6.5 | 6.6 | --- | --- | --- | --- | --- | --- |
| 31 | 6.8 | 6.6 | 6.7 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MONTH | 6.9 | 6.3 | 6.7 | 7.0 | 6.2 | 6.7 | --- | --- | --- | --- | --- | --- |

0344789265 BOYD BRANCH AT BENT CREEK GAP ROAD NEAR LAKE POWHATAN, NC—Continued

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

| DAY | MAX | MIN | MEAN | OCTOBER | | | NOVEMBER | | | DECEMBER | | | JANUARY | | |
|-------|----------|------|------|---------|------|------|----------|------|------|----------|------|------|---------|-----|------|
| | | | | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| 1 | --- | --- | --- | 16.5 | 13.6 | 14.9 | 10.5 | 7.6 | 9.4 | 9.4 | 6.6 | 7.9 | | | |
| 2 | --- | --- | --- | 17.6 | 15.1 | 16.0 | 9.3 | 6.3 | 7.6 | 9.8 | 7.3 | 8.5 | | | |
| 3 | --- | --- | --- | 16.1 | 15.4 | 15.8 | 8.6 | 6.5 | 7.3 | 10.2 | 7.9 | 9.0 | | | |
| 4 | --- | --- | --- | 15.9 | 13.5 | 15.2 | 8.4 | 5.7 | 6.9 | 11.1 | 8.7 | 9.8 | | | |
| 5 | --- | --- | --- | 13.5 | 10.8 | 12.3 | 8.8 | 6.1 | 7.4 | 10.8 | 8.5 | 9.6 | | | |
| 6 | --- | --- | --- | 12.8 | 9.7 | 11.1 | 9.6 | 8.4 | 9.0 | 10.6 | 9.2 | 9.9 | | | |
| 7 | 16.0 | 14.0 | 14.9 | 13.4 | 9.9 | 11.5 | 12.3 | 9.5 | 10.8 | 9.8 | 8.1 | 9.0 | | | |
| 8 | 15.1 | 12.6 | 13.9 | 13.0 | 10.4 | 11.7 | 10.9 | 8.8 | 9.8 | 11.4 | 8.4 | 10 | | | |
| 9 | 15.1 | 14.0 | 14.5 | 11.7 | 8.8 | 10.1 | 10.2 | 8.9 | 9.6 | 9.8 | 7.3 | 8.4 | | | |
| 10 | 16.1 | 14.0 | 15.0 | 11.1 | 8.4 | 9.7 | 11.4 | 9.6 | 10.4 | 10.0 | 6.9 | 8.3 | | | |
| 11 | 16.3 | 14.5 | 15.3 | 10.7 | 8.7 | 9.7 | 9.6 | 8.0 | 8.9 | 10.3 | 7.7 | 8.9 | | | |
| 12 | 16.3 | 14.1 | 15.1 | 12.0 | 10.6 | 11.4 | 8.7 | 7.2 | 7.9 | 10.9 | 8.3 | 9.6 | | | |
| 13 | 15.6 | 14.4 | 15.0 | 12.1 | 9.7 | 11.3 | 8.4 | 6.0 | 7.5 | 11.9 | 10.4 | 11.2 | | | |
| 14 | 15.0 | 13.6 | 14.3 | 10.7 | 8.3 | 9.3 | 6.0 | 4.1 | 5.2 | 11.1 | 7.3 | 9.3 | | | |
| 15 | 14.1 | 11.5 | 13.0 | 10.4 | 7.1 | 8.7 | 5.6 | 3.6 | 4.5 | 8.4 | 6.4 | 7.3 | | | |
| 16 | 13.2 | 10.6 | 11.6 | 10.2 | 7.6 | 8.9 | 6.1 | 3.2 | 4.5 | 8.2 | 5.3 | 6.8 | | | |
| 17 | 12.7 | 9.5 | 11.1 | 11.7 | 8.6 | 10.2 | 6.9 | 4.4 | 5.4 | 5.3 | 2.8 | 4.0 | | | |
| 18 | 13.5 | 10.9 | 12.2 | 12.5 | 9.5 | 11.0 | 6.7 | 4.1 | 5.2 | 4.1 | 1.8 | 2.9 | | | |
| 19 | 14.5 | 13.4 | 13.9 | 13.4 | 11.1 | 12.1 | 5.7 | 2.7 | 4.9 | 4.3 | 2.5 | 3.3 | | | |
| 20 | 15.5 | 13.4 | 14.3 | 13.3 | 11.8 | 12.4 | 3.2 | 1.1 | 2.2 | 6.1 | 2.9 | 4.4 | | | |
| 21 | 15.7 | 14.0 | 14.7 | 12.8 | 11.8 | 12.3 | 5.2 | 1.9 | 3.6 | 7.6 | 4.8 | 6.0 | | | |
| 22 | 15.4 | 14.2 | 14.6 | 13.6 | 11.8 | 12.6 | 7.1 | 3.8 | 5.4 | 6.3 | 4.0 | 5.5 | | | |
| 23 | 14.6 | 13.6 | 14.0 | 13.2 | 12.8 | 13.0 | 8.6 | 5.3 | 7.4 | 4.0 | 1.3 | 2.2 | | | |
| 24 | 15.3 | 13.3 | 14.0 | 13.6 | 12.6 | 13.0 | 5.8 | 4.5 | 5.0 | 4.0 | 0.4 | 2.1 | | | |
| 25 | 15.4 | 12.2 | 13.7 | 12.6 | 8.6 | 10.8 | 5.2 | 3.6 | 4.5 | 5.9 | 2.4 | 3.8 | | | |
| 26 | 15.3 | 12.3 | 13.6 | 9.9 | 7.7 | 8.7 | 5.8 | 4.1 | 4.7 | 7.8 | 4.0 | 5.6 | | | |
| 27 | 15.8 | 13.4 | 14.4 | 9.0 | 7.5 | 8.2 | 5.4 | 3.4 | 4.3 | 6.5 | 4.4 | 5.4 | | | |
| 28 | 15.9 | 14.5 | 15.0 | 9.9 | 8.0 | 8.8 | 5.7 | 3.1 | 4.3 | 4.8 | 3.4 | 4.0 | | | |
| 29 | 16.0 | 14.4 | 14.9 | 10.0 | 8.0 | 8.9 | 6.8 | 3.7 | 5.3 | 4.0 | 2.3 | 3.2 | | | |
| 30 | 16.7 | 14.4 | 15.3 | 10.2 | 8.2 | 9.2 | 8.3 | 5.4 | 6.8 | 5.9 | 4.0 | 4.8 | | | |
| 31 | 16.6 | 14.2 | 15.2 | --- | --- | --- | 8.8 | 6.5 | 7.6 | 6.0 | 4.9 | 5.3 | | | |
| MONTH | --- | --- | --- | 17.6 | 7.1 | 11.3 | 12.3 | 1.1 | 6.6 | 11.9 | 0.4 | 6.6 | | | |
| DAY | FEBRUARY | | | MARCH | | | APRIL | | | MAY | | | | | |
| | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | | | |
| 1 | 6.0 | 4.5 | 5.2 | 5.9 | 3.5 | 4.8 | 11.4 | 10.2 | 10.9 | 14.6 | 10.3 | 12.0 | | | |
| 2 | 5.6 | 4.2 | 4.7 | 6.6 | 2.6 | 4.2 | 11.3 | 7.9 | 9.9 | 13.0 | 9.4 | 11.0 | | | |
| 3 | 6.1 | 4.6 | 5.2 | 7.1 | 3.3 | 4.7 | 12.4 | 7.0 | 9.2 | 13.8 | 9.3 | 11.2 | | | |
| 4 | 7.1 | 4.6 | 5.5 | 7.9 | 3.1 | 5.3 | 13.8 | 8.0 | 10.5 | 13.8 | 9.0 | 11.3 | | | |
| 5 | 7.6 | 3.8 | 5.4 | 9.4 | 5.1 | 6.8 | 15.0 | 8.6 | 11.4 | 11.3 | 10.3 | 10.8 | | | |
| 6 | 7.6 | 4.4 | 5.9 | 9.8 | 5.2 | 7.1 | 15.1 | 10.1 | 12.2 | 14.5 | 10.0 | 11.9 | | | |
| 7 | 8.1 | 4.8 | 6.4 | 9.9 | 4.9 | 7.4 | 12.3 | 11.8 | 12.0 | 15.2 | 10.0 | 12.4 | | | |
| 8 | 9.3 | 6.6 | 7.9 | 8.6 | 4.8 | 7.3 | 13.8 | 11.1 | 12.1 | 16.0 | 11.2 | 13.4 | | | |
| 9 | 8.9 | 7.4 | 8.1 | 7.8 | 3.9 | 5.6 | 16.3 | 10.8 | 12.9 | 16.0 | 11.8 | 13.9 | | | |
| 10 | 8.3 | 4.1 | 6.5 | 8.6 | 4.7 | 6.4 | 16.9 | 10.2 | 13.1 | 15.5 | 13.0 | 13.8 | | | |
| 11 | 5.5 | 2.7 | 4.0 | 8.7 | 4.8 | 6.3 | 16.6 | 11.2 | 13.7 | 16.3 | 12.2 | 14.0 | | | |
| 12 | 7.4 | 3.8 | 5.3 | 10.6 | 4.9 | 7.4 | 13.5 | 11.9 | 12.7 | 16.9 | 12.9 | 14.7 | | | |
| 13 | 6.5 | 4.5 | 5.5 | 11.8 | 7.1 | 9.1 | 11.9 | 10.3 | 11.3 | 17.0 | 13.7 | 15.1 | | | |
| 14 | 7.7 | 5.9 | 6.6 | 9.6 | 6.7 | 8.6 | 14.4 | 9.2 | 11.3 | 16.6 | 14.3 | 15.2 | | | |
| 15 | 8.9 | 5.4 | 6.9 | 9.8 | 5.4 | 7.4 | 15.1 | 9.0 | 11.6 | 14.6 | 13.4 | 14.2 | | | |
| 16 | 9.1 | 6.6 | 7.8 | 7.8 | 6.5 | 7.1 | 14.6 | 8.7 | 11.3 | 14.7 | 11.7 | 13.3 | | | |
| 17 | 7.9 | 4.9 | 6.4 | 6.6 | 5.4 | 6.1 | 15.1 | 8.2 | 11.2 | 14.9 | 11.6 | 13.4 | | | |
| 18 | 7.0 | 3.6 | 5.0 | 9.3 | 4.5 | 6.5 | 16.0 | 9.4 | 12.3 | 15.6 | 13.1 | 14.4 | | | |
| 19 | 8.0 | 3.6 | 5.5 | 9.2 | 4.7 | 6.7 | 15.5 | 10.7 | 12.9 | 15.6 | 14.0 | 14.8 | | | |
| 20 | 6.5 | 5.8 | 6.2 | 10.9 | 5.2 | 7.7 | 15.9 | 11.3 | 13.4 | 14.9 | 13.9 | 14.3 | | | |
| 21 | 8.8 | 6.4 | 7.4 | 9.8 | 6.0 | 8.0 | 15.7 | 11.2 | 13.2 | 15.6 | 13.3 | 14.2 | | | |
| 22 | 10.8 | 6.7 | 8.3 | 8.3 | 7.2 | 7.8 | 14.7 | 11.9 | 13.1 | 15.8 | 13.0 | 14.3 | | | |
| 23 | 10.8 | 6.6 | 8.4 | 12.6 | 8.0 | 9.8 | 12.9 | 9.7 | 11.6 | 16.2 | 13.7 | 14.8 | | | |
| 24 | 8.7 | 7.8 | 8.4 | 13.0 | 8.6 | 10.2 | 11.2 | 8.0 | 9.3 | 14.7 | 13.1 | 14.0 | | | |
| 25 | 9.7 | 6.3 | 7.7 | 13.7 | 8.3 | 10.5 | 13.7 | 7.9 | 10.2 | 14.3 | 12.0 | 13.1 | | | |
| 26 | 9.3 | 5.0 | 6.9 | 14.0 | 9.0 | 11.1 | 10.9 | 8.7 | 10 | 15.2 | 11.7 | 13.4 | | | |
| 27 | 7.4 | 5.7 | 6.6 | 11.2 | 10.1 | 10.6 | 12.7 | 8.8 | 10.6 | 15.0 | 12.2 | 13.7 | | | |
| 28 | 6.6 | 4.6 | 5.7 | 10.4 | 9.1 | 9.8 | 12.3 | 8.4 | 10.2 | 14.7 | 12.8 | 13.7 | | | |
| 29 | --- | --- | --- | 13.2 | 8.4 | 10.3 | 12.8 | 9.7 | 11.2 | 13.9 | 11.7 | 13.0 | | | |
| 30 | --- | --- | --- | 14.0 | 8.6 | 10.9 | 13.2 | 11.3 | 12.1 | 14.7 | 13.0 | 13.8 | | | |
| 31 | --- | --- | --- | 12.2 | 10.2 | 10.9 | --- | --- | --- | 15.3 | 12.8 | 14.0 | | | |
| MONTH | 10.8 | 2.7 | 6.4 | 14.0 | 2.6 | 7.8 | 16.9 | 7.0 | 11.6 | 17.0 | 9.0 | 13.5 | | | |

0344789265 BOYD BRANCH AT BENT CREEK GAP ROAD NEAR LAKE POWHATAN, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

| DAY | JUNE | | | JULY | | | AUGUST | | | SEPTEMBER | | |
|-------|------|------|------|------|------|------|--------|------|------|-----------|------|------|
| | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| 1 | 14.4 | 13.2 | 13.9 | 17.7 | 16.4 | 17.0 | 18.4 | 17.0 | 17.7 | 18.8 | 16.7 | 17.7 |
| 2 | 13.6 | 13.1 | 13.4 | 17.1 | 16.0 | 16.6 | 18.6 | 16.8 | 17.6 | 18.7 | 16.1 | 17.4 |
| 3 | 14.3 | 13.4 | 13.8 | 17.2 | 16.1 | 16.6 | 18.6 | 16.4 | 17.5 | 18.6 | 16.6 | 17.5 |
| 4 | 15.8 | 13.8 | 14.7 | 17.3 | 16.3 | 16.8 | 18.9 | 16.6 | 17.7 | 18.0 | 15.2 | 16.6 |
| 5 | 16.5 | 14.3 | 15.4 | 18.3 | 16.5 | 17.3 | 18.6 | 17.0 | 17.8 | 17.8 | 15.8 | 16.8 |
| 6 | 16.7 | 14.8 | 15.8 | 17.4 | 16.6 | 17.0 | 18.5 | 16.9 | 17.7 | 17.5 | 15.5 | 16.4 |
| 7 | 16.9 | 15.2 | 16.0 | 16.9 | 16.3 | 16.7 | 17.7 | 17.2 | 17.4 | 17.4 | 14.9 | 16.2 |
| 8 | 16.5 | 15.7 | 16.1 | 17.4 | 15.6 | 16.4 | 17.4 | 17.1 | 17.3 | 17.5 | 14.6 | 16.0 |
| 9 | 17.7 | 15.6 | 16.4 | 17.5 | 15.2 | 16.3 | 18.2 | 17.1 | 17.6 | 17.6 | 14.7 | 16.1 |
| 10 | 17.6 | 15.9 | 16.7 | 17.7 | 16.1 | 16.9 | 18.4 | 17.2 | 17.7 | 17.5 | 14.8 | 16.2 |
| 11 | 16.8 | 16.2 | 16.5 | 18.3 | 16.8 | 17.4 | 19.0 | 17.1 | 18.0 | 17.8 | 15.6 | 16.6 |
| 12 | 16.9 | 16.3 | 16.5 | 17.9 | 17.1 | 17.5 | 19.1 | 17.1 | 18.0 | 17.7 | 14.8 | 16.3 |
| 13 | 17.4 | 16.1 | 16.6 | 17.7 | 16.7 | 17.1 | 19.3 | 17.4 | 18.3 | 17.8 | 15.0 | 16.4 |
| 14 | 17.9 | 15.4 | 16.6 | 17.9 | 16.6 | 17.2 | 19.5 | 17.5 | 18.4 | 17.6 | 15.2 | 16.4 |
| 15 | 18.4 | 16.3 | 17.1 | 17.7 | 16.8 | 17.3 | 19.7 | 17.6 | 18.6 | 18.1 | 15.7 | 16.9 |
| 16 | 17.8 | 15.4 | 16.5 | 18.2 | 16.9 | 17.5 | 19.1 | 17.8 | 18.5 | 17.3 | 16.2 | 16.8 |
| 17 | 17.2 | 15.3 | 16.1 | 18.8 | 17.1 | 17.8 | 19.2 | 17.8 | 18.4 | 18.1 | 16.2 | 17.0 |
| 18 | 16.0 | 14.1 | 15.2 | 18.6 | 17.2 | 17.8 | 18.9 | 18.1 | 18.4 | 17.7 | 15.3 | 16.5 |
| 19 | 17.0 | 14.7 | 15.5 | 19.2 | 17.3 | 18.0 | 19.2 | 17.9 | 18.5 | 17.8 | 15.1 | 16.4 |
| 20 | 15.5 | 14.5 | 15.0 | 19.0 | 17.1 | 17.8 | 19.5 | 17.9 | 18.7 | 18.1 | 15.6 | 16.8 |
| 21 | 15.7 | 14.1 | 14.9 | 18.9 | 17.1 | 17.9 | 20.2 | 18.1 | 19.0 | 18.2 | 16.0 | 17.1 |
| 22 | 16.4 | 14.2 | 15.3 | 18.9 | 17.3 | 18.0 | 19.3 | 17.8 | 18.6 | 18.4 | 16.5 | 17.4 |
| 23 | 17.3 | 14.9 | 16.1 | 19.2 | 17.5 | 18.2 | 18.8 | 18.0 | 18.4 | 18.3 | 16.1 | 17.2 |
| 24 | 17.6 | 14.9 | 16.2 | 18.6 | 17.0 | 17.8 | 19.3 | 17.7 | 18.3 | 18.1 | 16.0 | 17.1 |
| 25 | 17.4 | 15.2 | 16.3 | 19.6 | 17.3 | 18.3 | 19.2 | 18.0 | 18.5 | 18.5 | 17.4 | 17.8 |
| 26 | 16.5 | 16.0 | 16.2 | 19.8 | 17.7 | 18.7 | 18.8 | 17.5 | 18.1 | 17.9 | 17.4 | 17.6 |
| 27 | 17.8 | 16.3 | 16.9 | 20.4 | 18.0 | 18.9 | 18.6 | 17.3 | 17.9 | 18.4 | 16.6 | 17.4 |
| 28 | 18.9 | 16.4 | 16.9 | 18.6 | 17.8 | 18.2 | 19.1 | 17.4 | 18.2 | 17.7 | 15.6 | 16.7 |
| 29 | 17.0 | 15.9 | 16.3 | 18.0 | 17.6 | 17.8 | 18.6 | 17.9 | 18.3 | 17.2 | 15.5 | 16.8 |
| 30 | 17.6 | 15.9 | 16.7 | 18.2 | 17.3 | 17.7 | 19.4 | 18.6 | 19.0 | 16.3 | 14.3 | 15.3 |
| 31 | --- | --- | --- | 18.5 | 17.4 | 17.8 | 19.4 | 17.6 | 18.5 | --- | --- | --- |
| MONTH | 18.9 | 13.1 | 15.9 | 20.4 | 15.2 | 17.5 | 20.2 | 16.4 | 18.1 | 18.8 | 14.3 | 16.8 |

0344789265 BOYD BRANCH AT BENT CREEK GAP ROAD NEAR LAKE POWHATAN, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
|-------|------|------|------|------|------|------|-----|-----|------|-----|-----|------|
| | | | | | | | | | | | | |
| 1 | 16.8 | 14.1 | 15.5 | 11.9 | 8.2 | 10.1 | --- | --- | --- | --- | --- | --- |
| 2 | 16.9 | 14.8 | 15.9 | 12.1 | 9.1 | 10.8 | --- | --- | --- | --- | --- | --- |
| 3 | 17.2 | 15.3 | 16.1 | 11.6 | 7.7 | 9.6 | --- | --- | --- | --- | --- | --- |
| 4 | 16.9 | 14.3 | 15.6 | 12.3 | 8.1 | 10.2 | --- | --- | --- | --- | --- | --- |
| 5 | 16.9 | 15.4 | 16.1 | 13.3 | 10.2 | 11.7 | --- | --- | --- | --- | --- | --- |
| 6 | 16.8 | 16.2 | 16.5 | 14.0 | 11.1 | 12.3 | --- | --- | --- | --- | --- | --- |
| 7 | 16.9 | 16.4 | 16.6 | 13.6 | 10.5 | 11.9 | --- | --- | --- | --- | --- | --- |
| 8 | 17.0 | 15.8 | 16.6 | 13.2 | 9.5 | 11.4 | --- | --- | --- | --- | --- | --- |
| 9 | 16.6 | 15.2 | 15.9 | 14.2 | 10.9 | 12.5 | --- | --- | --- | --- | --- | --- |
| 10 | 17.1 | 16.1 | 16.5 | 13.0 | 8.8 | 11.4 | --- | --- | --- | --- | --- | --- |
| 11 | 17.6 | 16.0 | 16.7 | 10.8 | 7.4 | 8.9 | --- | --- | --- | --- | --- | --- |
| 12 | 17.5 | 16.3 | 16.8 | 10.7 | 7.1 | 8.8 | --- | --- | --- | --- | --- | --- |
| 13 | 17.8 | 15.8 | 16.6 | 12.0 | 8.0 | 10.1 | --- | --- | --- | --- | --- | --- |
| 14 | 16.9 | 14.7 | 15.6 | 13.7 | 10.8 | 12.2 | --- | --- | --- | --- | --- | --- |
| 15 | 16.4 | 14.4 | 15.2 | 14.4 | 12.6 | 13.5 | --- | --- | --- | --- | --- | --- |
| 16 | 14.9 | 12.6 | 14.0 | 14.3 | 9.8 | 12.9 | --- | --- | --- | --- | --- | --- |
| 17 | 14.5 | 11.4 | 12.8 | 9.8 | 6.7 | 8.3 | --- | --- | --- | --- | --- | --- |
| 18 | 15.1 | 11.2 | 13.0 | 8.3 | 5.4 | 6.7 | --- | --- | --- | --- | --- | --- |
| 19 | 16.1 | 12.9 | 14.3 | 8.5 | 4.8 | 6.7 | --- | --- | --- | --- | --- | --- |
| 20 | 16.2 | 13.3 | 14.7 | 9.3 | 7.3 | 8.5 | --- | --- | --- | --- | --- | --- |
| 21 | 16.3 | 13.5 | 14.9 | 10.3 | 9.0 | 9.8 | --- | --- | --- | --- | --- | --- |
| 22 | 15.3 | 12.6 | 14.2 | 9.0 | 6.7 | 8.3 | --- | --- | --- | --- | --- | --- |
| 23 | 13.9 | 10.8 | 12.3 | 8.0 | 5.9 | 7.0 | --- | --- | --- | --- | --- | --- |
| 24 | 12.3 | 9.7 | 11.1 | 10.0 | 7.4 | 8.4 | --- | --- | --- | --- | --- | --- |
| 25 | 10.6 | 9.3 | 9.8 | 8.1 | 5.9 | 6.8 | --- | --- | --- | --- | --- | --- |
| 26 | 11.1 | 8.6 | 9.6 | 8.2 | 5.0 | 6.4 | --- | --- | --- | --- | --- | --- |
| 27 | 10.6 | 7.5 | 9.1 | 8.7 | 6.5 | 7.7 | --- | --- | --- | --- | --- | --- |
| 28 | 10.8 | 8.2 | 9.5 | 11.4 | 8.7 | 9.9 | --- | --- | --- | --- | --- | --- |
| 29 | 10.6 | 7.3 | 8.7 | 12.6 | 9.6 | 11.6 | --- | --- | --- | --- | --- | --- |
| 30 | 11.1 | 6.9 | 8.8 | 9.7 | 7.2 | 8.7 | --- | --- | --- | --- | --- | --- |
| 31 | 11.6 | 7.6 | 9.5 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MONTH | 17.8 | 6.9 | 13.8 | 14.4 | 4.8 | 9.8 | --- | --- | --- | --- | --- | --- |

0344789265 BOYD BRANCH AT BENT CREEK GAP ROAD NEAR LAKE POWHATAN, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
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 | --- | --- | --- | --- | --- | --- | 8.4 | 7.6 | 8.0 | 10.6 | 9.7 | 10.2 |
| 2 | --- | --- | --- | --- | --- | --- | 8.9 | 7.9 | 8.4 | 10.4 | 9.7 | 10.1 |
| 3 | --- | --- | --- | --- | --- | --- | 8.6 | 7.8 | 8.2 | 10.3 | 9.5 | 9.9 |
| 4 | --- | --- | --- | --- | --- | --- | 8.6 | 7.6 | 8.1 | 10.0 | 9.2 | 9.6 |
| 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 9.9 | 9.1 | 9.5 |
| 6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 9.6 | 9.1 | 9.4 |
| 7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 9.9 | 9.3 | 9.6 |
| 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 9.7 | 8.8 | 9.2 |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 10.0 | 9.1 | 9.6 |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 10.1 | 9.1 | 9.6 |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 9.9 | 8.9 | 9.5 |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 9.6 | 8.8 | 9.2 |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 9.9 | 9.0 | 9.2 |
| 14 | 6.8 | 6.3 | 6.6 | --- | --- | --- | 11.7 | 10.8 | 11.2 | 10.7 | 9.8 | 10.2 |
| 15 | 7.2 | 6.5 | 6.8 | --- | --- | --- | 11.9 | 11.0 | 11.5 | 10.9 | 10.2 | 10.6 |
| 16 | 7.4 | 6.7 | 7.1 | --- | --- | --- | --- | --- | --- | 10.9 | 10.1 | 10.5 |
| 17 | --- | --- | --- | --- | --- | --- | 11.9 | 10.9 | 11.4 | 11.9 | 10.9 | 11.5 |
| 18 | --- | --- | --- | --- | --- | --- | 11.9 | 10.9 | 11.4 | 12.3 | 11.4 | 11.9 |
| 19 | --- | --- | --- | --- | --- | --- | 12.2 | 11.1 | 11.4 | 12.0 | 11.2 | 11.6 |
| 20 | --- | --- | --- | --- | --- | --- | 13.0 | 12.1 | 12.5 | 11.8 | 10.6 | 11.2 |
| 21 | --- | --- | --- | --- | --- | --- | 12.7 | 11.4 | 12.1 | 11.1 | 10.2 | 10.7 |
| 22 | --- | --- | --- | --- | --- | --- | 12.0 | 10.8 | 11.5 | 11.2 | 10.4 | 10.7 |
| 23 | --- | --- | --- | --- | --- | --- | 11.4 | 10.4 | 10.8 | 12.4 | 11.2 | 11.9 |
| 24 | --- | --- | --- | 9.3 | 7.2 | 8.1 | 11.7 | 11.1 | 11.4 | 12.7 | 11.4 | 12.1 |
| 25 | --- | --- | --- | 8.7 | 7.3 | 8.0 | 11.8 | 11.3 | 11.5 | 12.1 | 10.8 | 11.5 |
| 26 | --- | --- | --- | 9.2 | 8.0 | 8.6 | 11.6 | 11.0 | 11.4 | 11.4 | 10.2 | 10.8 |
| 27 | --- | --- | --- | 9.2 | 8.2 | 8.7 | 11.9 | 11.2 | 11.6 | 11.6 | 10.7 | 11.1 |
| 28 | --- | --- | --- | 8.8 | 7.9 | 8.3 | 12.1 | 11.0 | 11.6 | 12.1 | 11.5 | 11.8 |
| 29 | --- | --- | --- | 8.8 | 8.2 | 8.5 | 11.8 | 10.6 | 11.2 | 12.4 | 11.6 | 12.0 |
| 30 | --- | --- | --- | 8.9 | 7.9 | 8.3 | 11.2 | 10.1 | 10.7 | 11.6 | 11.0 | 11.4 |
| 31 | --- | --- | --- | --- | --- | --- | 10.8 | 9.9 | 10.3 | 11.3 | 10.8 | 11.1 |
| MONTH | --- | --- | --- | --- | --- | --- | --- | --- | --- | 12.7 | 8.8 | 10.6 |
| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| | FEBRUARY | | | MARCH | | | APRIL | | | MAY | | |
| 1 | 11.4 | 10.7 | 11.1 | 12.6 | 11.7 | 12.0 | 9.9 | 9.2 | 9.5 | 9.5 | 8.2 | 8.9 |
| 2 | 11.6 | 11.0 | 11.3 | 13.0 | 11.1 | 12.2 | 10.6 | 9.2 | 9.9 | 10.0 | 8.8 | 9.4 |
| 3 | 11.4 | 10.6 | 11.1 | 11.9 | 10.6 | 11.3 | 11.1 | 8.7 | 10.3 | 9.9 | 8.6 | 9.3 |
| 4 | 11.3 | 10.5 | 11.0 | 12.0 | 10.2 | 11.2 | 10.8 | 9.2 | 10.0 | --- | --- | --- |
| 5 | 11.7 | 10.3 | 11.0 | 11.2 | 9.8 | 10.6 | 10.8 | 9.1 | 10 | --- | --- | --- |
| 6 | 11.5 | 10.2 | 10.8 | 11.2 | 9.7 | 10.5 | 10.3 | 9.0 | 9.7 | --- | --- | --- |
| 7 | 11.2 | 10.0 | 10.6 | 11.2 | 9.6 | 10.4 | 10.0 | 9.7 | 9.9 | --- | --- | --- |
| 8 | 10.5 | 9.5 | 10.0 | 11.2 | 9.9 | 10.4 | 10.2 | 9.2 | 9.8 | --- | --- | --- |
| 9 | 10.1 | 9.7 | 9.9 | 11.6 | 10.2 | 11.0 | 10.2 | 8.7 | 9.6 | --- | --- | --- |
| 10 | 11.1 | 9.8 | 10.4 | 11.3 | 9.9 | 10.6 | 10.4 | 8.9 | 9.7 | --- | --- | --- |
| 11 | 11.7 | 10.6 | 11.2 | 11.1 | 9.8 | 10.5 | 10.3 | 8.9 | 9.7 | 9.9 | 8.9 | 9.4 |
| 12 | 11.4 | 10.1 | 10.8 | 11.1 | 9.0 | 10.2 | 10.0 | 9.6 | 9.8 | 9.7 | 8.8 | 9.3 |
| 13 | 11.1 | 10.1 | 10.6 | 10.3 | 8.8 | 9.6 | 10.6 | 9.9 | 10.2 | 9.5 | 8.8 | 9.1 |
| 14 | 10.5 | 9.9 | 10.2 | 10.2 | 9.3 | 9.7 | 11.0 | 9.7 | 10.4 | 9.3 | 8.7 | 9.0 |
| 15 | 10.7 | 9.4 | 10.1 | 10.9 | 9.4 | 10.1 | 11.0 | 9.3 | 10.2 | 9.4 | 9.0 | 9.2 |
| 16 | 10.1 | 9.3 | 9.7 | 10.6 | 9.8 | 10.3 | 11.2 | 9.5 | 10.4 | 9.8 | 9.1 | 9.4 |
| 17 | 10.8 | 9.8 | 10.3 | 10.9 | 10.3 | 10.7 | 11.2 | 9.4 | 10.4 | 9.9 | 9.0 | 9.4 |
| 18 | 11.4 | 10.0 | 10.8 | 11.4 | 9.7 | 10.6 | 10.9 | 9.1 | 10.0 | 9.5 | 8.9 | 9.1 |
| 19 | 11.4 | 9.9 | 10.8 | 11.1 | 9.6 | 10.4 | 10.3 | 9.0 | 9.6 | 9.2 | 8.8 | 9.0 |
| 20 | 11.0 | 10.5 | 10.8 | 10.8 | 9.5 | 10.4 | 9.9 | 9.0 | 9.4 | 9.1 | 8.8 | 9.0 |
| 21 | 11.0 | 10.2 | 10.6 | 11.3 | 10.2 | 10.7 | 10.0 | 8.1 | 8.9 | 9.3 | 8.8 | 9.0 |
| 22 | 11.3 | 10.1 | 10.8 | 11.1 | 10.8 | 10.9 | 9.1 | 8.3 | 8.7 | 9.4 | 8.7 | 9.0 |
| 23 | 11.3 | 10.0 | 10.7 | 10.8 | 9.6 | 10.3 | 9.2 | 8.6 | 8.8 | 9.1 | 8.2 | 8.8 |
| 24 | 11.0 | 10.4 | 10.7 | 10.8 | 9.8 | 10.4 | 9.6 | 8.4 | 9.0 | 9.4 | 8.4 | 9.0 |
| 25 | 11.5 | 10.5 | 11.1 | 10.9 | 9.5 | 10.3 | 9.2 | 7.9 | 8.7 | 9.7 | 9.1 | 9.4 |
| 26 | 12.1 | 10.7 | 11.4 | 10.9 | 9.6 | 10.2 | 9.5 | 8.6 | 9.0 | 9.8 | 9.0 | 9.4 |
| 27 | 11.9 | 11.3 | 11.6 | 10.5 | 10.1 | 10.3 | 9.4 | 8.2 | 8.9 | 9.7 | 9.0 | 9.3 |
| 28 | 12.1 | 11.3 | 11.7 | 10.4 | 9.9 | 10.1 | 9.8 | 8.7 | 9.2 | 9.6 | 9.1 | 9.3 |
| 29 | --- | --- | --- | 10.4 | 9.2 | 9.9 | 9.6 | 8.6 | 9.1 | 9.8 | 9.2 | 9.5 |
| 30 | --- | --- | --- | 10.3 | 8.8 | 9.6 | 9.1 | 8.4 | 8.8 | 9.5 | 9.0 | 9.3 |
| 31 | --- | --- | --- | 9.8 | 9.1 | 9.5 | --- | --- | --- | 9.6 | 9.1 | 9.3 |
| MONTH | 12.1 | 9.3 | 10.8 | 13.0 | 8.8 | 10.5 | 11.2 | 7.9 | 9.6 | --- | --- | --- |

0344789265 BOYD BRANCH AT BENT CREEK GAP ROAD NEAR LAKE POWHATAN, NC—Continued

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

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
|-------|----------|-----|------|-------|-----|------|-------|-----|------|-----|-----|------|
| | | | | | | | | | | | | |
| 1 | --- | --- | --- | --- | --- | --- | 78 | 73 | 74 | 94 | 90 | 92 |
| 2 | --- | --- | --- | --- | --- | --- | 78 | 73 | 75 | 94 | 90 | 92 |
| 3 | --- | --- | --- | --- | --- | --- | 76 | 71 | 73 | 94 | 90 | 92 |
| 4 | --- | --- | --- | --- | --- | --- | 74 | 69 | 72 | 93 | 89 | 91 |
| 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 92 | 88 | 90 |
| 6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 91 | 88 | 89 |
| 7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 91 | 87 | 89 |
| 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 89 | 86 | 87 |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 89 | 86 | 88 |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 90 | 85 | 88 |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 90 | 85 | 87 |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 89 | 84 | 87 |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 97 | 86 | 90 |
| 14 | 71 | 67 | 69 | --- | --- | --- | 96 | 92 | 94 | 97 | 94 | 95 |
| 15 | 71 | 68 | 69 | --- | --- | --- | 97 | 94 | 95 | 96 | 92 | 94 |
| 16 | 72 | 68 | 70 | --- | --- | --- | --- | --- | --- | 94 | 91 | 93 |
| 17 | --- | --- | --- | --- | --- | --- | 98 | 95 | 97 | 96 | 92 | 94 |
| 18 | --- | --- | --- | --- | --- | --- | 98 | 94 | 97 | 96 | 93 | 94 |
| 19 | --- | --- | --- | --- | --- | --- | 97 | 94 | 96 | 95 | 92 | 94 |
| 20 | --- | --- | --- | --- | --- | --- | 99 | 96 | 98 | 94 | 91 | 93 |
| 21 | --- | --- | --- | --- | --- | --- | 99 | 96 | 98 | 94 | 91 | 92 |
| 22 | --- | --- | --- | --- | --- | --- | 99 | 95 | 97 | 93 | 90 | 91 |
| 23 | --- | --- | --- | --- | --- | --- | 98 | 94 | 97 | 95 | 91 | 93 |
| 24 | --- | --- | --- | 94 | 74 | 83 | 98 | 95 | 96 | 95 | 93 | 94 |
| 25 | --- | --- | --- | 81 | 74 | 78 | 97 | 94 | 95 | 95 | 91 | 93 |
| 26 | --- | --- | --- | 83 | 76 | 79 | 96 | 94 | 95 | 94 | 91 | 93 |
| 27 | --- | --- | --- | 83 | 76 | 79 | 97 | 94 | 96 | 96 | 93 | 94 |
| 28 | --- | --- | --- | 80 | 75 | 77 | 97 | 94 | 95 | 98 | 95 | 97 |
| 29 | --- | --- | --- | 80 | 77 | 79 | 97 | 92 | 94 | 98 | 95 | 96 |
| 30 | --- | --- | --- | 81 | 75 | 78 | 95 | 92 | 94 | 97 | 93 | 95 |
| 31 | --- | --- | --- | --- | --- | --- | 95 | 91 | 93 | 96 | 93 | 94 |
| MONTH | --- | --- | --- | --- | --- | --- | --- | --- | --- | 98 | 84 | 92 |
| DAY | FEBRUARY | | | MARCH | | | APRIL | | | MAY | | |
| | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| 1 | 95 | 92 | 94 | 102 | 99 | 101 | 95 | 90 | 92 | 93 | 86 | 89 |
| 2 | 96 | 92 | 94 | 104 | 92 | 100 | 96 | 90 | 94 | 94 | 89 | 92 |
| 3 | 95 | 91 | 93 | 97 | 93 | 94 | 99 | 87 | 96 | 94 | 86 | 91 |
| 4 | 95 | 92 | 94 | 97 | 92 | 94 | 99 | 94 | 96 | --- | --- | --- |
| 5 | 96 | 91 | 93 | 95 | 91 | 93 | 101 | 95 | 98 | --- | --- | --- |
| 6 | 95 | 90 | 93 | 95 | 92 | 93 | 99 | 95 | 97 | --- | --- | --- |
| 7 | 94 | 89 | 92 | 95 | 90 | 92 | 100 | 97 | 98 | --- | --- | --- |
| 8 | 92 | 88 | 90 | 95 | 90 | 93 | 100 | 95 | 97 | --- | --- | --- |
| 9 | 93 | 88 | 90 | 95 | 91 | 94 | 101 | 95 | 97 | --- | --- | --- |
| 10 | 92 | 89 | 91 | 95 | 90 | 93 | 102 | 96 | 99 | --- | --- | --- |
| 11 | 93 | 90 | 91 | 94 | 89 | 92 | 102 | 97 | 100 | 101 | 96 | 98 |
| 12 | 93 | 89 | 91 | 94 | 86 | 90 | 102 | 97 | 100 | 100 | 96 | 98 |
| 13 | 92 | 88 | 91 | 92 | 87 | 89 | 102 | 97 | 100 | 100 | 96 | 97 |
| 14 | 92 | 88 | 89 | 91 | 87 | 89 | 104 | 100 | 102 | 99 | 95 | 96 |
| 15 | 91 | 86 | 89 | 93 | 88 | 90 | 103 | 99 | 101 | 97 | 95 | 96 |
| 16 | 89 | 86 | 87 | 93 | 88 | 91 | 105 | 99 | 102 | 99 | 95 | 97 |
| 17 | 92 | 88 | 90 | 95 | 90 | 92 | 105 | 97 | 101 | 99 | 95 | 97 |
| 18 | 93 | 88 | 91 | 96 | 89 | 92 | 104 | 96 | 100 | 98 | 94 | 96 |
| 19 | 93 | 89 | 92 | 93 | 88 | 91 | 101 | 92 | 97 | 97 | 94 | 95 |
| 20 | 95 | 91 | 93 | 96 | 89 | 93 | 102 | 92 | 97 | 95 | 92 | 94 |
| 21 | 98 | 91 | 95 | 99 | 95 | 97 | 100 | 86 | 91 | 96 | 91 | 95 |
| 22 | 100 | 97 | 98 | 100 | 97 | 99 | 91 | 86 | 89 | 96 | 93 | 94 |
| 23 | 100 | 95 | 98 | 99 | 96 | 98 | 89 | 85 | 87 | 96 | 88 | 93 |
| 24 | 101 | 96 | 98 | 101 | 97 | 99 | 88 | 81 | 85 | 97 | 88 | 94 |
| 25 | 102 | 98 | 100 | 102 | 97 | 99 | 86 | 81 | 83 | 97 | 94 | 96 |
| 26 | 103 | 99 | 101 | 102 | 98 | 100 | 88 | 83 | 86 | 98 | 95 | 97 |
| 27 | 103 | 99 | 101 | 101 | 97 | 99 | 87 | 83 | 85 | 99 | 95 | 96 |
| 28 | 102 | 99 | 100 | 99 | 94 | 96 | 90 | 86 | 88 | 98 | 95 | 97 |
| 29 | --- | --- | --- | 97 | 92 | 94 | 92 | 86 | 89 | 99 | 95 | 97 |
| 30 | --- | --- | --- | 96 | 90 | 93 | 91 | 85 | 88 | 98 | 95 | 97 |
| 31 | --- | --- | --- | 94 | 90 | 92 | --- | --- | --- | 99 | 96 | 97 |
| MONTH | 103 | 86 | 94 | 104 | 86 | 94 | 105 | 81 | 94 | --- | --- | --- |

