## WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 2002 to November 2003 (discontinued).
PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: August 2002 to November 2003.
INSTRUMENTATION.--Logging pressure transducer with water temperature probe.
REMARKS.--Station operated as part of NAWQA Urban Land Use Gradient study.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum recorded, $31.8^{\circ} \mathrm{C}$, Aug. 30, 2003; minimum recorded, $0.0^{\circ} \mathrm{C}$, Jan. 19, 23, Feb. $17,2003$.
WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

| Date | Time | Medium code | Instantaneous discharge, cfs (00061) | Barometric pressure, mm Hg (00025) | Dissolved oxygen, mg/L (00300) | Dissolved oxygen, percent of saturation (00301) | $\begin{gathered} \mathrm{pH}, \\ \text { water, } \\ \text { unfltrd } \\ \text { field, } \\ \text { std } \\ \text { units } \\ (00400) \end{gathered}$ | Specif. conductance, wat unf uS/cm 25 degC (00095) | $\begin{aligned} & \text { Temper- } \\ & \text { ature, } \\ & \text { water, } \\ & \text { deg C } \\ & (00010) \end{aligned}$ | $\begin{aligned} & \text { Chlor- } \\ & \text { ide, } \\ & \text { water, } \\ & \text { fltrd, } \\ & \text { mg/L } \\ & (00940) \end{aligned}$ | $\begin{aligned} & \text { Sulfate } \\ & \text { water, } \\ & \text { fltrd, } \\ & \mathrm{mg} / \mathrm{L} \\ & (00945) \end{aligned}$ | $\begin{gathered} \text { Ammonia } \\ + \\ \text { org-N, } \\ \text { water, } \\ \text { unfltrd } \\ \text { mg/L } \\ \text { as N } \\ (00625) \end{gathered}$ | $\begin{aligned} & \text { Ammonia } \\ & \text { water, } \\ & \text { fltrd, } \\ & \mathrm{mg} / \mathrm{L} \\ & \text { as N } \\ & (00608) \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MAR |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 04... | 1400 | 9 | E77 | 753 | 11.1 | 95 | 6.2 | 47 | 8.0 | 4.02 | 6.2 | 0.24 | $<0.04$ |
| MAY |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 16... | 1400 | D | E29 | -- | 8.6 | -- | 7.0 | 60 | 18.4 | -- | -- | -- | -- |
| JUN |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 24... | 1200 | 9 | -- | -- | 7.9 | -- | 6.0 | 60 | 18.9 | -- | -- | -- | -- |
| JUL |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 07... | 1000 | 9 | -- | ${ }^{--}$ | -- | -- | -- |  | -- | -- | -- |  | -- |
| 16... | 0900 | 9 | E14 | 750 | 8.8 | 103 | 6.7 | 65 | 22.5 | 4.39 | 2.1 | 0.36 | $<0.04$ |
|  | Nitrite $+$ |  | Ortho-phosphate | Particulate <br> nitro- |  | Total | Total | Inorganic | Organic |  | Biomass peri- | Peri- | Periphyton |
|  | water | water, | water, | gen, | phorus, | gen, | suspnd | suspnd | suspnd | carbon, | phyton, | biomass | biomass |
|  | fltrd, | fltrd, | fltrd, | susp, | water, | water, | sedimnt | sedimnt | sedimnt | water, | ashfree | ash | dry |
| Date | $\begin{gathered} \mathrm{mg} / \mathrm{L} \\ \mathrm{as} \mathrm{~N} \end{gathered}$ | $\begin{aligned} & \mathrm{mg} / \mathrm{L} \\ & \text { as } \mathrm{N} \end{aligned}$ | $\begin{gathered} \mathrm{mg} / \mathrm{L} \\ \text { as P } \end{gathered}$ | water, mg/L | unfltrd mg/L | unfltrd mg/L | total, mg/L | total, mg/L | total, mg/L | fltrd, mg/L | drymass <br> g/m2 | weight, g/m2 | weight, g/m2 |
|  | (00631) | (00613) | (00671) | (49570) | (00665) | (00600) | (00694) | (00688) | (00689) | (00681) | (49954) | (00572) | (00573) |
| MAR |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 04... | 0.23 | <0.008 | $<0.02$ | 0.04 | 0.027 | 0.46 | 0.3 | $<0.1$ | 0.3 | 4.5 | -- | -- | -- |
| MAY |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 16... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 3.700 | 46 | 50.10 |
| JUN |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 24... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| JUL |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 07... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 16... | 0.20 | <0.008 | $<0.02$ | 0.04 | 0.029 | 0.57 | 0.4 | <0.1 | 0.4 | 4.9 | -- | -- | -- |
|  | Biomass |  |  | Chloro- |  | 2,6-Di- |  | 2Chloro |  | 2-Ethyl |  |  |  |
|  | chloro- |  |  | phyll a |  | ethyl- | Et-6-Me | -2,6'-' |  | -6- |  |  |  |
|  | phyll ratio, | $\begin{gathered} \text { phytin } \\ \text { a, } \end{gathered}$ | modif. | peri- phyton, | thol, water, | aniline | -Ph)- -amino] | diethyl | CIAT, | methylaniline | chloro- aniline | 2methyl phenol, | Acetochlor, |
|  | peri- | peri- | water, | chromo- | fltrd | fltrd | propan- | anilide | water, | water, | water | water, | water, |
| Date | phyton, number | phyton, mg/m2 | ${ }_{100 \mathrm{col}}^{\text {mL }}$ | fluoro, mg/m2 | $\begin{gathered} 0.7 \mathrm{u} \text { GF } \\ \mathrm{ug} / \mathrm{L} \end{gathered}$ | $\begin{gathered} 0.7 \mathrm{u} \text { GF } \\ \mathrm{ug} / \mathrm{L} \end{gathered}$ | 1-ol, ug/L | wat flt ug/L | fltrd, ug/L | fltrd, ug/L | fltrd, ug/L | fltrd, ug/L | fltrd, ug/L |
|  | (70950) | (62359) | (90902) | (70957) | (49295) | (82660) | (61615) | (61618) | (04040) | (61620) | (61625) | (61633) | (49260) |
| MAR |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 04... | -- | -- | K12 | -- | <0.09 | <0.006 | <0.1 | <0.005 | E. 006 | <0.004 | <0.004 | <0.006 | <0.006 |
| MAY |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 16... | 621 | 7.0 | -- | 6.0 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| JUN |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 24... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| JUL |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 07... | -- | -- | 97 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 16... | -- | -- | -- | -- | $<0.09$ | <0.006 | <0.3 | <0.005 | E. 018 | <0.004 | <0.004 | $<0.006$ | <0.006 |

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

| Date | Alachlor, water, fltrd, ug/L (46342) | $\begin{gathered} \text { Atra- } \\ \text { zine, } \\ \text { water, } \\ \text { fltrd, } \\ \text { ug/L } \\ (39632) \end{gathered}$ | Azin-phosmethyl oxon, water, fltrd, ug/L (61635) | Azin-phosmethyl, water, fltrd 0.7 u GF ug/L (82686) | Ben-fluralin, water, fltrd 0.7 u GF ug/L (82673) | Car- baryl, water, fltrd 0.7 u GF ug/L (82680) | Chloroxon, water, fltrd, ug/L (61636) | Chlor- <br> pyrifos <br> water, fltrd, ug/L (38933) | cis-Permethrin water fltrd 0.7 u GF ug/L (82687) | Cyfluthrin, water, fltrd, ug/L (61585) | Cypermethrin water, fltrd, $\underset{(61586)}{\text { ug/L }}$ $(61586)$ | $\begin{gathered} \text { DCPA, } \\ \text { water } \\ \text { fltrd } \\ 0.7 \mathrm{u} G F \\ \text { ug/L } \\ (82682) \end{gathered}$ | Desulfinyl fipronil, water, fltrd, ug/L (62170) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MAR |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 04... | <0.004 | $<0.007$ | <0.02 | <0.050 | <0.010 | $<0.041$ | $<0.06$ | <0.005 | <0.006 | <0.008 | $<0.009$ | <0.003 | $<0.004$ |
| 16... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| JUN |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 24... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| JUL |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 07... | <0.004 | ${ }_{0}^{--}$ | $<0.02$ | <0.050 | $<0.010$ | <0.041 | $<0.06$ | $<0.005$ | $<0.006$ | $<0.008$ | $<0.009$ | $<0.003$ | $<0.004$ |
| Date | Diazinon oxon, water, fltrd, ug/L (61638) | $\begin{aligned} & \text { Diazi- } \\ & \text { non, } \\ & \text { water, } \\ & \text { fltrd, } \\ & \text { ug/L } \\ & (39572) \end{aligned}$ | Dicrotophos, water fltrd, ug/L (38454) | $\begin{gathered} \text { Diel- } \\ \text { drin, } \\ \text { water, } \\ \text { fltrd, } \\ \text { ug/L } \\ \text { (39381) } \end{gathered}$ | Dimeth- oate, water, fltrd 0.7 u GF ug/L (82662) |  | Ethion, water, fltrd, ug/L (82346) | Fenamiphos sulfone water, fltrd, ug/L (61645) | Fenamiphos sulfoxide, water, fltrd, ug/L (61646) | Fenamiphos, water, fltrd, ug/L (61591) | Desulf-inyl-fipronil amide, wat flt ug/L (62169) | $\begin{aligned} & \text { Fipro- } \\ & \text { nil } \\ & \text { sulfide } \\ & \text { water, } \\ & \text { fltrd, } \\ & \text { ug/L } \\ & (62167) \end{aligned}$ |  |
| MAR |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 04... | $<0.04$ | <0.005 | <0.08 | <0.005 | <0.006 | <0.03 | <0.004 | <0.008 | <0.03 | <0.03 | <0.009 | <0.005 | <0.005 |
| $\begin{array}{r} \text { MAY } \\ 16 . . . \end{array}$ | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| JUN |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 24... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| JUL |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 07... | -- | -- | -- | -- | -- | --- | --- | -- | -- | -- | -- | -- | --- |
| 16... | $<0.01$ | $<0.005$ | $<0.08$ | <0.005 | <0.006 | $<0.03$ | <0.004 | <0.008 | $<0.03$ | $<0.03$ | $<0.009$ | $<0.005$ | <0.005 |
| Date | $\begin{aligned} & \text { Fipro- } \\ & \text { nil, } \\ & \text { water, } \\ & \text { fltrd, } \\ & \text { ug/L } \\ & (62166) \end{aligned}$ | Fonofos oxon, water, fltrd, ug/L (61649) | Fonofos water, fltrd, ug/L (04095) | Неха- <br> zinone, water, fltrd, ug/L (04025) | Iprodione, water, fltrd, ug/L (61593) | Isofenphos, water, fltrd, ug/L (61594) | Malaoxon, water, fltrd, ug/L (61652) | Malathion, water, fltrd, ug/L (39532) | Metalaxyl, water, fltrd, ug/L (61596) | Methialthion water, fltrd, ug/L (61598) | Methyl para- oxon, water, fltrd, ug/L (61664) | Methyl parathion, water, fltrd 0.7u GF ug/L (82667) | Metola- chlor water, fltrd, ug/L (39415) |
| MAR |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 04... | $<0.007$ | $<0.002$ | $<0.003$ | -- | <1 | $<0.003$ | <0.008 | $<0.027$ | <0.005 | <0.006 | <0.03 | <0.006 | E. 004 |
| MAY |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 16... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| JUN |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 24... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| JUL |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 07... | <0.007 | $<0.002$ | <0.003 | <0.013 | <- | $<0.003$ | <0.008 | $<0.027$ | <0.005 | <0.006 | <0.03 | <0.006 | E. 0007 |
| Date | Metribuzin, water, fltrd, ug/L (82630) | Myclobutanil water, fltrd, ug/L (61599) | $\begin{aligned} & \text { Pendi- } \\ & \text { meth- } \\ & \text { alin, } \\ & \text { water, } \\ & \text { fltrd } \\ & 0.7 \mathrm{u} \text { GF } \\ & \text { ug/L } \\ & (82683) \end{aligned}$ | Phorate oxon, water, fltrd, ug/L (61666) | Phorate water fltrd 0.7 u GF ug/L (82664) | Phosmet oxon, water, fltrd, ug/L (61668) | Phosmet water, fltrd, ug/L (61601) | Prometon, water, fltrd, ug/L (04037) | Prometryn, water, fltrd, ug/L (04036) | $\begin{aligned} & \text { Pron- } \\ & \text { amide, } \\ & \text { water, } \\ & \text { fltrd } \\ & 0.7 \mathrm{u} \text { GF } \\ & \text { ug/L } \\ & (82676) \end{aligned}$ | $\begin{aligned} & \text { Sima- } \\ & \text { zine, } \\ & \text { water, } \\ & \text { fltrd, } \\ & \text { ug/L } \\ & (04035) \end{aligned}$ | Tebuthiuron water fltrd 0.7 u GF ug/L (82670) | Terbufos oxon sulfone water, fltrd, ug/L (61674) |
| MAR |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{gathered} 04 \ldots \\ \text { MAY } \end{gathered}$ | <0.006 | <0.008 | $<0.022$ | $<0.10$ | <0.011 | <0.06 | <0.008 | $<0.01$ | <0.005 | <0.004 | E. 002 | <0.02 | $<0.07$ |
| 16... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| JUN |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 24... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| JUL |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 07... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 16... | <0.006 | <0.008 | $<0.022$ | $<0.10$ | $<0.011$ | $<0.06$ | <0.008 | M | <0.005 | <0.004 | 0.032 | $<0.02$ | $<0.07$ |

02085430 DEEP CREEK NEAR MORIAH, NC-Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

| Date | Terbufos, water, fltrd 0.7 u GF ug/L (82675) | Ter-buthylazine, water, fltrd, $\mathrm{ug} / \mathrm{L}$ (04022) | $\begin{gathered} \text { Tri- } \\ \text { flur- } \\ \text { alin, } \\ \text { water, } \\ \text { fltrd } \\ 0.7 \mathrm{u} \text { GF } \\ \text { ug/L } \\ (82661) \end{gathered}$ | $\begin{aligned} & \text { Di- } \\ & \text { chlor- } \\ & \text { vos, } \\ & \text { water } \\ & \text { fltrd, } \\ & \text { ug/L } \\ & (38775) \end{aligned}$ | Suspnd. sedi- ment, seve diametr percent $<.063 \mathrm{~mm}$ $(70331)$ | $\begin{gathered} \text { Sus- } \\ \text { pended } \\ \text { sedi- } \\ \text { ment } \\ \text { concen- } \\ \text { tration } \\ \text { mg/L } \\ (80154) \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MAR |  |  |  |  |  |  |
| 04... | <0.02 | <0.01 | <0.009 | <0.01 | 95 | 7 |
| MAY |  |  |  |  |  |  |
| 16... | -- | -- | -- | -- | -- | -- |
| JUN |  |  |  |  |  |  |
| 24... | -- | -- | -- | -- | -- | -- |
| JUL ${ }^{\text {d }}$ |  |  |  |  |  |  |
| 07... | -- | -- | -- | -- | -- | -- |
| 16... | <0.02 | $<0.01$ | <0.009 | <0.01 | 89 | 6 |

Remark codes used in this table: < -- Less than
E -- Estimated value
M-- Presence verified, not quantified
K -- Counts outside the acceptable range
Medium codes used in this table:
9 - Surface water
D - Plant tissue

TEMPERATURE, WATER, DEGREES CELSIUS AUGUST TO SEPTEMBER 2002

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | MEAN

TEMPERATURE, WATER, DEGREES CELSIUS WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | OCTOBER |  |  | NOVEMBER |  |  | DECEMBER |  |  | JANUARY |  |  |
| 1 | --- | --- | --- | --- | --- | --- | 7.6 | 2.9 | 4.9 | 11.2 | 7.9 | 10 |
| 2 | --- | --- | --- | --- | --- | --- | 5.6 | 1.5 | 3.8 | 10.8 | 9.4 | 9.8 |
| 3 | --- | --- | --- | --- | --- | --- | 7.6 | 2.8 | 4.5 | 9.6 | 8.5 | 9.4 |
| 4 | --- | --- | --- | --- | --- | --- | 2.8 | 0.3 | 1.8 | 8.5 | 6.0 | 7.3 |
| 5 | --- | --- | --- | --- | --- | --- | 3.1 | 0.3 | 1.9 | 6.0 | 4.8 | 5.4 |
| 6 | --- | --- | --- | --- | --- | --- | 4.4 | 3.1 | 3.8 | 5.8 | 4.6 | 5.2 |
| 7 | --- | --- | --- | --- | --- | --- | 3.9 | 2.5 | 3.3 | 4.9 | 3.3 | 4.1 |
| 8 | --- | --- | --- | --- | --- | --- | 4.4 | 2.7 | 3.6 | 6.1 | 3.9 | 4.9 |
| 9 | --- | --- | --- | --- | --- | --- | 5.0 | 4.2 | 4.6 | 8.1 | 5.4 | 6.7 |
| 10 | --- | --- | --- | --- | --- | --- | 4.7 | 4.0 | 4.4 | 7.9 | 6.0 | 7.1 |
| 11 | --- | --- | --- | --- | --- | --- | 5.4 | 4.2 | 5.0 | 6.0 | 3.8 | 5.0 |
| 12 | --- | --- | --- | --- | --- | --- | 6.7 | 5.2 | 5.9 | 4.0 | 2.4 | 3.3 |
| 13 | --- | --- | --- | --- | --- | --- | 6.6 | 6.0 | 6.2 | 3.9 | 1.2 | 2.6 |
| 14 | --- | --- | --- | --- | --- | --- | 7.4 | 6.1 | 6.8 | 4.5 | 2.2 | 3.3 |
| 15 | --- | --- | --- | 11.4 | 9.5 | 10.6 | 7.0 | 5.8 | 6.4 | 4.5 | 1.9 | 3.3 |
| 16 | --- | --- | --- | 12.2 | 11.4 | 11.8 | 7.3 | 5.6 | 6.5 | 2.8 | 1.1 | 2.0 |
| 17 | --- | --- | --- | 12.2 | 11.4 | 12.0 | 6.7 | 5.6 | 6.2 | 3.7 | 1.3 | 2.3 |
| 18 | --- | --- | --- | 11.4 | 9.5 | 10.4 | 7.1 | 5.7 | 6.4 | 2.2 | 0.1 | 0.7 |
| 19 | --- | --- | --- | 9.7 | 8.1 | 9.1 | 7.9 | 6.7 | 7.2 | 1.2 | 0.0 | 0.4 |
| 20 | --- | --- | --- | 9.8 | 8.0 | 9.0 | 10.9 | 7.9 | 9.7 | 3.8 | 0.3 | 1.7 |
| 21 | --- | --- | --- | 10.3 | 8.9 | 9.6 | 9.4 | 7.0 | 8.1 | 2.8 | 1.5 | 2.1 |
| 22 | --- | --- | --- | 10.4 | 8.6 | 9.7 | 8.0 | 5.8 | 6.9 | 3.6 | 0.4 | 1.8 |
| 23 | --- | --- | --- | 8.8 | 7.2 | 8.0 | 7.7 | 6.2 | 7.0 | 1.9 | 0.0 | 0.7 |
| 24 | --- | --- | --- | 9.0 | 6.2 | 7.7 | 7.2 | 6.6 | 6.9 | 1.1 | 0.1 | 0.3 |
| 25 | --- | --- | --- | 9.8 | 6.7 | 8.2 | 7.2 | 6.5 | 7.0 | 1.9 | 0.1 | 0.5 |
| 26 | --- | --- | --- | 9.4 | 6.8 | 8.2 | 6.5 | 5.5 | 6.0 | 1.2 | 0.2 | 0.5 |
| 27 | --- | --- | --- | 8.6 | 6.0 | 7.6 | 5.5 | 4.2 | 4.8 | 1.5 | 0.2 | 0.5 |
| 28 | --- | --- | --- | 7.2 | 3.6 | 5.1 | 5.0 | 3.3 | 4.3 | 0.8 | 0.2 | 0.4 |
| 29 | --- | --- | --- | 6.6 | 2.3 | 4.4 | 5.9 | 3.9 | 4.9 | 1.9 | 0.4 | 1.0 |
| 30 | --- | --- | --- | 9.1 | 5.0 | 6.7 | 6.3 | 4.3 | 5.3 | 3.5 | 1.9 | 2.8 |
| 31 | --- | --- | --- | --- | --- | --- | 7.9 | 5.4 | 6.5 | 4.1 | 3.4 | 3.8 |
| MONTH | --- | --- | --- | --- | --- | --- | 10.9 | 0.3 | 5.5 | 11.2 | 0.0 | 3.5 |
|  | FEBRUARY |  |  | MARCH |  |  | APRIL |  |  | MAY |  |  |
| 1 | 5.8 | 4.1 | 4.9 | 6.4 | 4.6 | 5.3 | 11.8 | 8.2 | 9.9 | --- | --- | --- |
| 2 | 6.3 | 4.2 | 5.2 | 8.3 | 6.3 | 7.1 | 15.4 | 10.7 | 13.0 | --- | --- | --- |
| 3 | 7.3 | 4.6 | 6.0 | 8.5 | 6.7 | 7.7 | 17.3 | 12.9 | 15.1 | --- | --- | --- |
| 4 | 10.0 | 7.2 | 8.6 | 8.6 | 5.9 | 7.3 | 17.2 | 14.2 | 15.8 | --- | --- | --- |
| 5 | 8.0 | 5.4 | 6.7 | 11.5 | 8.4 | 9.8 | 16.8 | 15.1 | 15.8 | --- | --- | --- |
| 6 | 5.4 | 3.6 | 4.5 | 11.7 | 10.8 | 11.2 | 16.6 | 13.5 | 15.1 | --- | --- | --- |
| 7 | 5.1 | 3.5 | 4.3 | 11.2 | 7.2 | 9.0 | 15.0 | 9.6 | 11.2 | --- | --- | --- |
| 8 | 5.0 | 3.8 | 4.4 | 9.5 | 5.7 | 7.6 | 9.6 | 9.4 | 9.5 | --- | --- | --- |
| 9 | 4.8 | 3.0 | 3.8 | 12.6 | 8.7 | 10.5 | 9.4 | 8.3 | 8.8 | --- | --- | --- |
| 10 | 4.9 | 4.0 | 4.3 | 11.3 | 8.8 | 10.1 | 9.0 | 8.4 | 8.6 | --- | --- | --- |
| 11 | 5.7 | 3.2 | 4.4 | 8.8 | 6.7 | 7.5 | 9.3 | 8.3 | 8.7 | --- | --- | --- |
| 12 | 6.3 | 3.8 | 4.9 | 10.5 | 5.4 | 7.9 | 13.3 | 9.2 | 11.0 | --- | --- | --- |
| 13 | 5.5 | 3.0 | 4.3 | 12.8 | 8.5 | 10.7 | 14.7 | 10.9 | 12.8 | --- | --- | --- |
| 14 | 5.1 | 3.5 | 4.4 | 12.8 | 10.6 | 11.8 | 15.7 | 11.7 | 13.7 | --- | --- | --- |
| 15 | 6.0 | 5.1 | 5.5 | 10.6 | 8.6 | 9.1 | --- | --- | --- | --- | --- | --- |
| 16 | 5.2 | 1.1 | 3.4 | 10.2 | 8.4 | 9.2 | --- | --- | --- | --- | --- | --- |
| 17 | 1.2 | 0.0 | 0.6 | 11.9 | 10.2 | 11.0 | -- | --- | --- | --- | --- | --- |
| 18 | 4.4 | 1.2 | 2.7 | 12.9 | 11.4 | 12.1 | --- | --- | --- | --- | --- | --- |
| 19 | 5.0 | 2.7 | 3.9 | 12.6 | 10.7 | 11.8 | --- | --- | --- | --- | --- | --- |
| 20 | 6.4 | 4.6 | 5.4 | 10.7 | 8.1 | 8.8 | --- | --- | --- | --- | --- | --- |
| 21 | 6.5 | 5.6 | 6.1 | 11.1 | 8.1 | 9.5 | --- | --- | --- | --- | --- | --- |
| 22 | 7.0 | 6.4 | 6.6 | 13.2 | 10.2 | 11.7 | --- | --- | --- | --- | --- | --- |
| 23 | 8.9 | 7.0 | 8.0 | 13.4 | 10.4 | 12.1 | --- | --- | --- | --- | --- | --- |
| 24 | 8.5 | 5.8 | 7.2 | 14.9 | 11.3 | 13.0 | --- | --- | --- | --- | --- | --- |
| 25 | 8.2 | 6.7 | 7.6 | 15.3 | 11.0 | 13.2 | --- | --- | --- | --- | --- | --- |
| 26 | 7.4 | 5.0 | 6.1 | 16.7 | 12.6 | 14.6 | --- | --- | --- | --- | --- | --- |
| 27 | 5.0 | 4.0 | 4.3 | 16.4 | 13.4 | 14.8 | --- | --- | --- | --- | --- | --- |
| 28 | 4.8 | 3.8 | 4.3 | 16.6 | 12.7 | 14.7 | --- | --- | --- | --- | --- | --- |
| 29 | --- | --- | --- | 18.0 | 15.4 | 16.5 | --- | --- | --- | --- | --- | --- |
| 30 | --- | --- | --- | 16.9 | 9.9 | 12.8 | --- | --- | --- | --- | --- | --- |
| 31 | --- | --- | --- | 10.8 | 8.5 | 9.7 | --- | --- | --- | --- | --- | --- |
| MONTH | 10.0 | 0.0 | 5.1 | 18.0 | 4.6 | 10.6 | --- | --- | --- | --- | --- | --- |

02085430 DEEP CREEK NEAR MORIAH, NC-Continued
TEMPERATURE, WATER, DEGREES CELSIUS-CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | JUNE |  |  | JULY |  |  | AUGUST |  |  | SEPTEMBER |  |  |
| 1 | --- | --- | --- | 23.3 | 21.9 | 22.4 | 25.8 | 22.8 | 23.9 | 25.1 | 22.1 | 23.5 |
| 2 | --- | --- | --- | 22.0 | 20.4 | 21.1 | 24.2 | 22.8 | 23.4 | 26.7 | 22.0 | 24.2 |
| 3 | --- | --- | --- | 21.0 | 20.6 | 20.8 | 26.3 | 22.7 | 24.3 | 26.8 | 21.6 | 24.2 |
| 4 | --- | --- | --- | 22.4 | 19.9 | 21.1 | 25.8 | 23.4 | 24.5 | 25.9 | 22.2 | 23.6 |
| 5 | 20.8 | 18.9 | 19.7 | 24.3 | 21.4 | 22.7 | 25.9 | 22.5 | 24.0 | 22.9 | 21.0 | 22.0 |
| 6 | 20.7 | 17.5 | 19.2 | 25.3 | 22.7 | 23.9 | 24.8 | 21.9 | 23.3 | 21.3 | 18.8 | 20.0 |
| 7 | 20.4 | 19.2 | 19.7 | 25.0 | 23.1 | 24.1 | 24.2 | 21.8 | 22.8 | 21.1 | 17.3 | 19.4 |
| 8 | 20.4 | 19.4 | 19.9 | 26.5 | 22.9 | 24.6 | 23.8 | 21.6 | 22.6 | 20.3 | 18.4 | 19.2 |
| 9 | 20.7 | 19.7 | 20.1 | 27.3 | 23.8 | 25.2 | 23.5 | 21.6 | 22.5 | 20.8 | 17.6 | 19.1 |
| 10 | 21.5 | 19.4 | 20.5 | 26.5 | 23.3 | 24.8 | 22.5 | 21.4 | 22.0 | 20.6 | 17.1 | 18.4 |
| 11 | 22.1 | 19.6 | 20.9 | 26.6 | 23.7 | 24.9 | 23.3 | 21.7 | 22.4 | 24.3 | 14.8 | 18.3 |
| 12 | 23.0 | 20.7 | 21.8 | 26.1 | 22.7 | 24.3 | 23.9 | 21.7 | 22.7 | 20.2 | 16.6 | 18.0 |
| 13 | 22.8 | 21.0 | 21.8 | 25.2 | 22.6 | 23.7 | 23.9 | 22.1 | 23.0 | 19.7 | 17.6 | 18.6 |
| 14 | 23.9 | 21.4 | 22.5 | 23.6 | 22.1 | 22.8 | 25.0 | 22.2 | 23.5 | 23.0 | 18.9 | 20.7 |
| 15 | 24.4 | 22.0 | 23.0 | 25.0 | 22.2 | 23.4 | 26.0 | 22.2 | 23.9 | 25.0 | 19.3 | 21.3 |
| 16 | 23.0 | 21.2 | 22.0 | 26.3 | 22.6 | 24.2 | 25.5 | 22.8 | 23.8 | 26.2 | 17.6 | 20.9 |
| 17 | 21.3 | 19.6 | 20.2 | 25.2 | 22.8 | 23.9 | 26.0 | 22.5 | 24.1 | 25.2 | 14.6 | 18.7 |
| 18 | 20.5 | 19.3 | 19.8 | 25.9 | 22.3 | 24.1 | 25.3 | 22.3 | 23.8 | 19.0 | 17.0 | 17.9 |
| 19 | 22.0 | 20.3 | 21.0 | 25.9 | 23.0 | 24.4 | 25.2 | 22.1 | 23.5 | 19.3 | 17.6 | 18.3 |
| 20 | 21.7 | 20.4 | 21.0 | 26.6 | 22.2 | 24.3 | 25.6 | 21.5 | 23.5 | 20.2 | 17.9 | 19.1 |
| 21 | 21.0 | 18.9 | 20.0 | 27.1 | 22.5 | 24.8 | 25.9 | 21.0 | 23.7 | 20.8 | 18.2 | 19.6 |
| 22 | 20.8 | 17.7 | 19.3 | 27.1 | 23.4 | 25.0 | 27.0 | 21.8 | 24.2 | 21.1 | 19.9 | 20.4 |
| 23 | 22.4 | 18.4 | 20.3 | 24.5 | 22.9 | 23.4 | 26.9 | 21.4 | 24.0 | 20.9 | 19.8 | 20.4 |
| 24 | 23.3 | 18.9 | 21.0 | 24.4 | 21.9 | 23.1 | 26.0 | 21.4 | 23.4 | 19.9 | 18.2 | 19.1 |
| 25 | 24.4 | 19.8 | 22.0 | 25.1 | 20.9 | 22.9 | 26.6 | 18.9 | 22.7 | 19.6 | 17.1 | 18.4 |
| 26 | 25.5 | 21.0 | 23.1 | 25.8 | 21.1 | 23.5 | 28.0 | 20.7 | 24.0 | 20.1 | 17.3 | 18.7 |
| 27 | 25.7 | 22.1 | 23.8 | 27.4 | 22.1 | 24.7 | 29.7 | 21.8 | 25.0 | 20.8 | 17.3 | 19.1 |
| 28 | 23.4 | 22.0 | 22.7 | 27.9 | 23.3 | 25.6 | 30.6 | 22.7 | 25.8 | 20.6 | 17.7 | 19.3 |
| 29 | 24.9 | 20.8 | 22.8 | 26.7 | 23.5 | 25.1 | 30.8 | 23.0 | 25.9 | 19.4 | 14.2 | 16.8 |
| 30 | 25.8 | 21.3 | 23.5 | 24.3 | 22.7 | 23.3 | 31.8 | 23.2 | 26.0 | 17.6 | 11.5 | 14.5 |
| 31 | --- | --- | --- | 24.4 | 22.0 | 23.0 | 29.5 | 23.0 | 24.4 | --- | --- | --- |
| MONTH | --- | --- | --- | 27.9 <br> TEMP | $\begin{aligned} & 19.9 \\ & \text { ATURE } \\ & \text { CTOBE } \end{aligned}$ | 23.7 <br> NATER, <br> TO NOV | $\begin{gathered} 31.8 \\ \text { REES CI } \\ \text { ER } 2003 \end{gathered}$ | $\begin{aligned} & 18.9 \\ & \text { SIUS } \end{aligned}$ | 23.8 | 26.8 | 11.5 | 19.7 |
| DAY | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN | MAX | MIN | MEAN |
|  | OCTOBER |  |  | NOVEMBER |  |  | DECEMBER |  |  | JANUARY |  |  |
| 1 | 16.9 | 11.5 | 13.6 | 16.2 | 13.4 | 14.9 | --- | --- | --- | --- | --- | --- |
| 2 | 19.0 | 11.1 | 14.1 | 16.8 | 14.3 | 15.6 | --- | --- | --- | --- | --- | --- |
| 3 | 16.9 | 8.0 | 11.8 | 16.9 | 14.1 | 15.7 | --- | --- | --- | --- | --- | --- |
| 4 | 18.3 | 8.5 | 12.8 | 17.8 | 15.8 | 16.8 | --- | --- | --- | --- | --- | --- |
| 5 | 19.9 | 10.7 | 14.3 | 19.0 | 16.8 | 17.9 | --- | --- | --- | --- | --- | --- |
| 6 | --- | --- | --- | 20.1 | 17.9 | 18.8 | --- | --- | --- | --- | --- | --- |
| 7 | --- | --- | --- | 19.5 | 18.6 | 19.1 | --- | --- | --- | --- | --- | --- |
| 8 | --- | --- | --- | 18.7 | 14.6 | 16.7 | --- | --- | --- | --- | --- | --- |
| 9 | 19.8 | 18.0 | 18.7 | 14.6 | 11.9 | 13.1 | --- | --- | --- | --- | --- | --- |
| 10 | 19.2 | 18.2 | 18.5 | 12.7 | 10.5 | 11.7 | --- | --- | --- | --- | --- | --- |
| 11 | 18.3 | 17.8 | 18.0 | 13.4 | 10.5 | 12.2 | --- | --- | --- | --- | --- | --- |
| 12 | 19.4 | 17.5 | 18.4 | 15.9 | 13.0 | 14.5 | --- | --- | --- | --- | --- | --- |
| 13 | 19.4 | 17.8 | 18.7 | 15.7 | 10.5 | 13.8 | --- | --- | --- | --- | --- | --- |
| 14 | 19.3 | 18.4 | 18.7 | 10.5 | 8.6 | 9.6 | --- | --- | --- | --- | --- | --- |
| 15 | 18.7 | 16.2 | 17.4 | 10.8 | 9.0 | 10.0 | --- | --- | --- | --- | --- | --- |
| 16 | 16.8 | 14.3 | 15.7 | 13.4 | 10.7 | 12.2 | --- | --- | --- | --- | --- | --- |
| 17 | 18.0 | 13.9 | 15.6 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 18 | 17.1 | 14.8 | 15.9 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 19 | 15.7 | 13.1 | 14.5 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 20 | 16.1 | 13.7 | 15.0 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 21 | 17.2 | 14.9 | 16.0 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 22 | 17.0 | 14.3 | 16.0 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 23 | 14.3 | 12.3 | 13.2 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 24 | 13.0 | 10.8 | 12.0 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 25 | 14.2 | 11.6 | 12.9 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 26 | 15.9 | 14.1 | 15.1 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 27 | 17.2 | 15.7 | 16.4 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 28 | 16.3 | 13.9 | 14.9 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 29 | 15.7 | 13.2 | 14.7 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 30 | 15.7 | 13.6 | 14.6 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 31 | 15.9 | 13.3 | 14.6 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MONTH | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

