

Water-Data Report 2008

**361659081430045 Raingage at NCDENR Tater Hill Research Station, near Boone, NC**

Kanawha Basin  
Upper New Subbasin

LOCATION.--Lat 36°16'59", long 81°43'00" referenced to North American Datum of 1983, Watauga County, NC, Hydrologic Unit 05050001, 2.1 mi east of U.S. Highway 421, 0.1 mi north of Howards Creek Road and 5.24 mi north of Boone.

**CLIMATOLOGICAL RECORDS**

PERIOD OF RECORD.--August 2007 to September 2008.

INSTRUMENTATION.--Tipping-bucket raingage and electronic datalogger. Satellite telemetry at station.

REMARKS.--Gage is operated in cooperation with North Carolina Department of Environment and Natural Resources, Division of Water Quality.  
Precipitation data collected during freezing periods may not be accurately reflected in daily record; consequently, winter record is poor.

## 361659081430045 Raingage at NCDENR Tater Hill Research Station, near Boone, NC—Continued

**PRECIPITATION, TOTAL, INCHES**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**  
**DAILY SUM VALUES**

| Day          | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug  | Sep  |
|--------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|
| 1            | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---  | 0.44 |
| 2            | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---  | 0.00 |
| 3            | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.00 | 0.00 |
| 4            | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.00 | 0.00 |
| 5            | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.00 | 0.00 |
| 6            | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.00 | 0.00 |
| 7            | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.00 | 0.00 |
| 8            | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.00 | 0.00 |
| 9            | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.00 | 0.00 |
| 10           | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.24 | 0.00 |
| 11           | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.00 | 0.19 |
| 12           | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.00 | 0.00 |
| 13           | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.00 | 0.00 |
| 14           | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.00 | 1.64 |
| 15           | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.00 | 0.00 |
| 16           | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.00 | 0.00 |
| 17           | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.01 | 0.00 |
| 18           | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.00 | 0.00 |
| 19           | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.00 | 0.00 |
| 20           | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.00 | 0.00 |
| 21           | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.13 | 0.08 |
| 22           | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.00 | 0.00 |
| 23           | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.29 | 0.00 |
| 24           | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.00 | 0.00 |
| 25           | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.03 | 0.00 |
| 26           | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.00 | 0.00 |
| 27           | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.00 | 0.00 |
| 28           | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.00 | 0.00 |
| 29           | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.22 | 0.00 |
| 30           | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.08 | 0.00 |
| 31           | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.36 | ---  |
| <b>Total</b> | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---  | 2.35 |

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**PRECIPITATION, TOTAL, INCHES**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**  
**DAILY SUM VALUES**

| <b>Day</b>   | <b>Oct</b> | <b>Nov</b> | <b>Dec</b> | <b>Jan</b> | <b>Feb</b> | <b>Mar</b> | <b>Apr</b> | <b>May</b> | <b>Jun</b> | <b>Jul</b> | <b>Aug</b> | <b>Sep</b> |
|--------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| <b>1</b>     | 0.00       | 0.00       | 0.00       | 0.00       | 0.09       | 0.17       | 0.00       | 0.00       | 0.07       | 0.00       | ---        | ---        |
| <b>2</b>     | 0.00       | 0.00       | 0.17       | 0.00       | 0.07       | 0.00       | 0.00       | 0.00       | 0.00       | 0.00       | ---        | ---        |
| <b>3</b>     | 0.00       | 0.00       | 0.12       | 0.04       | 0.14       | 0.00       | 0.15       | 0.00       | 0.00       | 0.00       | ---        | ---        |
| <b>4</b>     | 0.82       | 0.00       | 0.00       | 0.01       | 0.50       | 2.99       | 0.06       | 0.02       | 0.00       | 0.23       | ---        | ---        |
| <b>5</b>     | 0.54       | 0.04       | 0.02       | 0.00       | 0.00       | 0.03       | 0.36       | 0.00       | 0.00       | 1.19       | ---        | ---        |
| <b>6</b>     | 0.00       | 0.17       | 0.05       | 0.04       | 0.53       | 0.00       | 0.57       | 0.00       | 0.00       | 0.08       | ---        | ---        |
| <b>7</b>     | 0.00       | 0.00       | 0.13       | 0.00       | 0.00       | 0.54       | 0.01       | 0.00       | 0.00       | 0.04       | ---        | ---        |
| <b>8</b>     | 0.00       | 0.00       | 0.05       | 0.00       | 0.00       | 0.07       | 0.00       | 0.26       | 0.00       | 0.23       | ---        | ---        |
| <b>9</b>     | 0.02       | 0.06       | 0.08       | 0.09       | 0.00       | 0.06       | 0.00       | 0.03       | 0.29       | 0.22       | ---        | ---        |
| <b>10</b>    | 0.00       | 0.00       | 0.01       | 0.28       | 0.00       | 0.00       | 0.00       | 0.00       | 0.05       | 0.63       | ---        | ---        |
| <b>11</b>    | 0.00       | 0.00       | 0.00       | 0.35       | 0.00       | 0.00       | 0.00       | 0.43       | 0.00       | 0.00       | ---        | ---        |
| <b>12</b>    | 0.00       | 0.03       | 0.01       | 0.00       | 0.00       | 0.00       | 0.13       | 0.43       | 0.00       | 0.00       | ---        | ---        |
| <b>13</b>    | 0.00       | 0.04       | 0.13       | 0.01       | 0.17       | 0.00       | 0.00       | 0.00       | 0.00       | 0.94       | ---        | ---        |
| <b>14</b>    | 0.00       | 0.09       | 0.00       | 0.00       | 0.04       | 0.08       | 0.08       | 0.00       | 1.66       | 0.00       | ---        | ---        |
| <b>15</b>    | 0.00       | 0.29       | 0.49       | 0.00       | 0.00       | 0.76       | 0.01       | 0.17       | 0.01       | ---        | ---        | ---        |
| <b>16</b>    | 0.00       | 0.01       | 0.06       | 0.01       | 0.00       | 0.00       | 0.00       | 0.22       | 0.00       | ---        | ---        | ---        |
| <b>17</b>    | 0.00       | 0.00       | 0.00       | 0.01       | 0.69       | 0.00       | 0.00       | 0.00       | 0.00       | ---        | ---        | ---        |
| <b>18</b>    | 0.04       | 0.00       | 0.06       | 0.30       | 0.00       | 0.00       | 0.00       | 0.29       | 0.00       | ---        | ---        | ---        |
| <b>19</b>    | 0.33       | 0.06       | 0.01       | 0.00       | 0.00       | 0.57       | 0.51       | 0.00       | 0.00       | ---        | ---        | ---        |
| <b>20</b>    | 0.00       | 0.00       | 0.03       | 0.00       | 0.00       | 0.12       | 0.03       | 0.03       | 0.00       | ---        | ---        | ---        |
| <b>21</b>    | 0.00       | 0.00       | 0.11       | 0.03       | 0.00       | 0.00       | 0.00       | 0.04       | 0.00       | ---        | ---        | ---        |
| <b>22</b>    | 0.18       | 0.02       | 0.54       | 0.11       | 0.01       | 0.00       | 0.00       | 0.00       | 0.65       | ---        | ---        | ---        |
| <b>23</b>    | 0.59       | 0.00       | 0.58       | 0.01       | 0.02       | 0.00       | 0.00       | 0.00       | 0.04       | ---        | ---        | ---        |
| <b>24</b>    | 1.89       | 0.01       | 0.00       | 0.00       | 0.00       | 0.00       | 0.00       | 0.15       | 0.00       | ---        | ---        | ---        |
| <b>25</b>    | 1.21       | 0.00       | 0.00       | 0.02       | 0.11       | 0.00       | 0.02       | 0.00       | 0.00       | ---        | ---        | ---        |
| <b>26</b>    | 0.14       | 0.09       | 0.27       | 0.00       | 0.52       | 0.00       | 0.00       | 0.00       | 0.09       | ---        | ---        | 1.94       |
| <b>27</b>    | 0.00       | 0.04       | 0.00       | 0.00       | 0.00       | 0.00       | 0.23       | 0.00       | 0.26       | ---        | ---        | 0.76       |
| <b>28</b>    | 0.00       | 0.00       | 0.56       | 0.00       | 0.00       | 0.02       | 0.33       | 0.70       | 0.54       | ---        | ---        | 0.04       |
| <b>29</b>    | 0.00       | 0.00       | 0.01       | 0.04       | 0.22       | 0.32       | 0.02       | 0.00       | 0.25       | ---        | ---        | 0.00       |
| <b>30</b>    | 0.00       | 0.00       | 0.59       | 0.02       | ---        | 0.04       | 0.00       | 0.00       | 0.11       | ---        | ---        | 0.08       |
| <b>31</b>    | 0.00       | ---        | 0.00       | 0.00       | ---        | 0.01       | ---        | 0.40       | ---        | ---        | ---        | ---        |
| <b>Total</b> | 5.76       | 0.95       | 4.08       | 1.37       | 3.11       | 5.78       | 2.51       | 3.17       | 4.02       | ---        | ---        | ---        |

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