

Water-Data Report 2008

**352907082382502 Local number BU-089, NCDENR Bent Creek Research Station PZ-2I, near Bent Creek, NC**

Piedmont and Blue Ridge crystalline-rock aquifers  
Saprolite

Buncombe County, NC

LOCATION.--Lat 35°29'07", long 82°38'25" referenced to North American Datum of 1983, Buncombe County, NC, Hydrologic Unit 06010105, 1 in Bent Creek Research Forest, .2 mi north of Blue Ridge Parkway, 2.5 mi southwest of Bent Creek. Owner: NCDENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

**GROUND-WATER RECORDS**

WELL CHARACTERISTICS.--Drilled observation well, depth 59 ft, diameter 2 in., cased to 54 ft, screened interval from 54 ft to 59 ft.

DATUM.--Land-surface datum is 2,251.85 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of protective steel casing, 3.10 ft above land-surface datum, June 23, 2004, to present.

PERIOD OF RECORD.--October 2004 to current year.

GAGE.--Measured periodically with electric and steel tape.

REMARKS.--Well is part of Piedmont/Mountains ground-water study.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.10 ft below land-surface datum, Oct. 5, 2004; lowest water level measured, 9.10 ft below land-surface datum, August 14, 2008.

**WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM**

| Date         | Water level | Date         | Water level |
|--------------|-------------|--------------|-------------|
| Feb 19, 2008 | 7.75        | May 16, 2008 | 8.08        |
| Mar 17       | 7.62        | Jul 2        | 8.44        |
| Apr 25       | 7.9         | Aug 14       | 9.10        |
| 25           | 7.9         | Sep 29       | 8.94        |

Highest: 7.62 Mar 17, 2008

Lowest: 9.10 Aug 14, 2008

352907082382502 Local number BU-089, NCDENR Bent Creek Research Station PZ-2I, near Bent Creek, NC—Continued

