



Water-Data Report 2007

**352808082382602 Local number BU-078, DENR Bent Creek Research Station MW-4I (Transition Zone well)**

Piedmont and Blue Ridge crystalline-rock aquifers  
Saprolite

Buncombe County, NC

LOCATION.--Lat 35°28'08", long 82°38'26" referenced to North American Datum of 1983, Buncombe County, NC, Hydrologic Unit 06010105, 1.2 mi north of Blue Ridge Parkway, 3.1 mi west of Brevard Road in Bent Creek Research Forest. Owner: NCDENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

**GROUND-WATER RECORDS**

WELL CHARACTERISTICS.--Drilled observation well, depth 41 ft, diameter 4 in., cased to 26 ft, screened interval from 26 to 41 ft, sand filter packed from 24 to 41 ft.

DATUM.--Land-surface datum is 2,258.8 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of steel casing, 3.02 ft above land-surface datum, February 4, 2003, to present.

PERIOD OF RECORD.--February 2003 to current year. Continuous record June 2006 to August 2006.

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

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.83 ft below land-surface datum, July 3, 2003; lowest water level measured, 9.66 ft below land-surface datum, September 25, 2007.

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

Date	Water level	Date	Water level
Nov 14, 2006	8.78	Jul 3, 2007	9.16
Mar 14, 2007	8.22	Sep 25	9.66
May 11	8.42		

Highest: 8.22 Mar 14, 2007

Lowest: 9.66 Sep 25, 2007

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