



Water-Data Report 2007

352827082383902 Local number BU-084; DENR Bent Creek Research Station MW-7I (Transition Zone well).

Piedmont and Blue Ridge crystalline-rock aquifers
Saprolite

Buncombe County, NC

LOCATION.--Lat 35°28'27", long 82°38'39" 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 50 ft, diameter 4 in., cased to 30 ft, screened interval from 30 to 45 ft, sand filter packed from 27 to 45 ft, natural fill from 45 to 50 ft.

DATUM.--Land-surface datum is 2,369.04 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of steel casing, 2.91 ft above land-surface datum, Feb. 4, 2003, to present.

PERIOD OF RECORD.--February 2003 to current year. Continuous record December 2005 to June 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 recorded, 11.82 ft below land-surface datum, January 18, 2006; lowest water level measured, 13.05 ft below land-surface datum, September 1, 2004.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

Date	Water level	Date	Water level
Nov 14, 2006	12.67	Jul 3, 2007	12.87
Mar 14, 2007	12.57	Sep 25	13.00
May 11	12.66		

Highest: 12.57 Mar 14, 2007

Lowest: 13.00 Sep 25, 2007

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