



Water-Data Report 2007

352827082383901 Local number BU-083; DENR Bent Creek Research Station MW-7S (Regolith well).

Piedmont and Blue Ridge crystalline-rock aquifers

Saprolite

Buncombe County, NC

LOCATION.--Lat 35°29'27", 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 25 ft, diameter 4 in., cased to 10 ft, screened interval from 10 to 25 ft, sand filter packed from 8 to 25 ft.

DATUM.--Land-surface datum is 2,368.23 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of steel casing, 2.96 ft above land-surface datum, February 4, 2003, to present.

PERIOD OF RECORD.--February 2003 to current year. Continuous record June 2005 to June 2006.

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 recorded, 8.75 ft below land-surface datum, April 22, 23, 2006; lowest water level measured 11.86 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	11.33	Jul 3, 2007	11.74
Mar 14, 2007	10.99	Sep 25	11.86
May 11	11.24		

Highest: 10.99 Mar 14, 2007

Lowest: 11.86 Sep 25, 2007

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