



Water-Data Report 2007

352854082380503 Local number BU-073, DENR Bent Creek Research Station MW-2D (Bedrock well).

Piedmont and Blue Ridge crystalline-rock aquifers
Mafic Gneiss
Buncombe County, NC

LOCATION.--Lat 35°28'54", long 82°38'06" 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 300 ft, diameter 6.25 in., cased to 53 ft, open hole from 53 to 300 ft.

DATUM.--Land-surface datum is 2,190.15 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of 2 inch steel extension pipe, 9.55 ft above land-surface datum, July 29, 2004, to present.

PERIOD OF RECORD.--February 2003 to current year. Continuous record August 2004 to December 2005.

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

REMARKS.--Well is part of Piedmont/Mountains groundwater project.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.93 ft above land-surface datum, May 11, 2007; lowest water level recorded, 6.91 ft above land-surface datum, August 20, 2004.

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
(READINGS ABOVE LAND-SURFACE INDICATED BY "+")**

Date	Water level	Date	Water level
Nov 14, 2006	+7.96	Jul 3, 2007	+8.59
Mar 14, 2007	+8.78	Sep 25	+7.19
May 11	+8.93		

Highest: +8.93 May 11, 2007

Lowest: +7.19 Sep 25, 2007

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