



Water-Data Report 2008

**352827082383902 Local number BU-084, NCDENR Bent Creek Research Station MW-7I near Bent Creek, NC (Transition Zone)**

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, in Bent Creek Research Forest, 1.2 mi north of Blue Ridge Parkway, 3.2 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 50 ft, diameter 4 in., cased to 30 ft, screened interval from 30 ft to 45 ft, sand filter packed from 27 ft to 45 ft, natural fill from 45 ft to 50 ft.

DATUM.--Land-surface datum is 2,369.04 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of protective steel casing, 2.91 ft above land-surface datum, February 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, 13.20 ft below land-surface datum, August 14, 2008.

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

Date	Water level	Date	Water level
Jan 23, 2008	12.72	May 16, 2008	12.8
Feb 19	12.35	Jul 2	12.89
Mar 17	12.66	Aug 14	13.20
Apr 25	12.78	Sep 29	13.09
25	12.78		

Highest: 12.35 Feb 19, 2008

Lowest: 13.20 Aug 14, 2008

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