

Water-Data Report 2008

**352911082383102 Local number BU-098, NCDENR Bent Creek Research Station PZ-7I, near Bent Creek, NC**

Piedmont and Blue Ridge crystalline-rock aquifers  
Saprolite

Buncombe County, NC

LOCATION.--Lat 35°29'11", long 82°38'31" referenced to North American Datum of 1983, Buncombe County, NC, Hydrologic Unit 06010105, 1.2 mi north of Blue Ridge Parkway, 2.5 mi southwest of Bent Creek in Bent Creek Research Forest. Owner: NCDENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

**GROUND-WATER RECORDS**

WELL CHARACTERISTICS.--Depth 25 ft. Upper casing diameter 2 in; top of first opening 20 ft, bottom of last opening 25 ft. Drilled observation well, depth 25 ft, diameter 2 in., cased to 20 ft, screened interval from 20 to 25 ft.

DATUM.--Land-surface datum is 2273.26 ft above National Geodetic Vertical Datum of 1929. Measuring point: TOP OF PROTECTIVE STEEL CASING, 2.80 ft above land-surface datum, July 20, 2004, to present. Land-surface datum is 2,273.26 ft above NGVD of 1929. Measuring point: Top of protective steel casing, 2.80 ft above land-surface datum.

PERIOD OF RECORD.--October 2004 to current year.

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 measured, 7.75 ft below land-surface datum, October 5, 2004; lowest water level measured, 11.50 ft below land-surface datum, August 14, 2008.

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

Date	Water level	Date	Water level
Feb 19, 2008	9.3	May 16, 2008	10.06
Mar 17	9.35	Jul 2	10.35
Apr 25	9.75	Aug 14	11.50
25	9.75	Sep 29	11.05

Highest: 9.3 Feb 19, 2008

Lowest: 11.50 Aug 14, 2008

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