



Water-Data Report 2009

**352808082382602 Local number BU-078, NCDENR BENT CREEK RESEARCH STATION MW-4I NEAR BENT CREEK, NC (TRANSITION ZONE)**

Piedmont and Blue Ridge crystalline-rock aquifers  
Saprolite

Buncombe County, NC

LOCATION.--Lat 35°29'08", long 82°38'26" 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, 3.4 mi southwest of Bent Creek, NC. Owner: NCDENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

**GROUNDWATER RECORDS**

WELL CHARACTERISTICS.--Drilled observation well, depth 41 ft, diameter 4 in., cased to 26 ft, screened interval from 26 ft to 41 ft, sand filter packed from 24 ft to 41 ft.

DATUM.--Land-surface datum is 2,258.80 ft above NGVD of 1929. Measuring point: Top of protective steel casing, 3.02 ft above land-surface datum.

PERIOD OF RECORD.--February 2003 to September 2009 (discontinued). Continuous record June 2006 to August 2006.

GAGE.--Measured periodically with steel and electric tape, by USGS and NCDENR, Division of Water Quality.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.83 ft below land-surface datum, July 3, 2003; lowest water level measured, 10.03 ft below land-surface datum, August 14, 2008.

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

Date	Water level	Date	Water level
Nov 20, 2008	9.54	Jun 3, 2009	8.36
Jan 23, 2009	9.17	Jul 1	8.83
Mar 23	9.07	Aug 3	8.8
Apr 16	8.68		

Highest: 8.36 Jun 03, 2009

Lowest: 9.54 Nov 20, 2008

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