



Water-Data Report 2009

352854082380502 Local number BU-072, NCDENR BENT CREEK RESEARCH STATION, MW-2I, NEAR BENT CREEK, NC (TRANSITION ZONE)

Piedmont and Blue Ridge crystalline-rock aquifers
Saprolite

Buncombe County, NC

LOCATION.--Lat 35°28'54", long 82°38'05" referenced to North American Datum of 1983, Buncombe County, NC, Hydrologic Unit 06010105, 1.2 mi north of Blue Ridge Parkway, 3.2 mi southwest of Bent Creek in Bent Creek Research Forest. Owner: NCDENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth 36 ft, diameter 4 in., cased to 21 ft, screened interval from 21 ft to 36 ft, sand filter packed from 18 ft to 36 ft.

DATUM.--Land-surface datum is 2,191.72 ft above NGVD of 1929. Measuring point: Top of protective steel casing, 2.89 ft above land-surface datum.

PERIOD OF RECORD.--February 2003 to September 2009 (discontinued). Continuous record July 2004 to December 2005.

GAGE.--Measured periodically with electric and steel 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, 4.42 ft below land-surface datum, September 17, 2004; lowest water level measured, 9.14 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	8.92	Jun 3, 2009	7.8
Jan 23, 2009	8.84	Jul 1	8.42
Mar 23	8.71	Aug 3	8.38
Apr 16	8.36		

Highest: 7.8 Jun 03, 2009

Lowest: 8.92 Nov 20, 2008

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