



Water-Data Report 2009

352919082383802 Local number BU-103, NCDENR BENT CREEK RESEARCH STATION, MW-6D, NEAR BENT CREEK, NC (BEDROCK)

Piedmont and Blue Ridge crystalline-rock aquifers
Saprolite

Buncombe County, NC

LOCATION.--Lat 35°29'19", long 82°38'39" 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.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth 190 ft, diameter 6 in., cased to 53 ft, open hole from 53 ft to 190 ft.

DATUM.--Land-surface datum is 2,420 ft above North American Vertical Datum of 1988.

PERIOD OF RECORD.--December 2005 to September 2009 (discontinued).

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

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 30.96 ft below land-surface datum, May 12, 2006; lowest water level measured 33.86 ft below land-surface datum, November 20, 2008.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Nov 20, 2008	33.86	Jun 3, 2009	31.62
Jan 23, 2009	33.45	Jul 1	31.87
Mar 23	33.18	Aug 3	32.39
Apr 16	32.63		

Highest: 31.62 Jun 03, 2009

Lowest: 33.86 Nov 20, 2008

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