



Water-Data Report 2009

352840082381003 Local number BU-070, NCDENR BENT CREEK RESEARCH STATION, MW-1D, NEAR BENT CREEK, NC (BEDROCK)

Piedmont and Blue Ridge crystalline-rock aquifers
Mafic Gneiss

Buncombe County, NC

LOCATION.--Lat 35°28'41", long 82°38'12" 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 221 ft, diameter 6.25 in., cased to 55 ft, open hole from 55 ft to 221 ft.

DATUM.--Land-surface datum is 2,201.77 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of protective steel casing, 2.50 ft above land-surface datum, February 4, 2003 to present.

PERIOD OF RECORD.--February 2003 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 study.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.72 ft below land-surface datum, July 3, 2003; lowest water level measured, 6.02 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	5.68	Jun 3, 2009	4.66
Jan 23, 2009	5.55	Jul 1	5.01
Mar 23	5.47	Aug 3	5.09
Apr 16	5.21		

Highest: 4.66 Jun 03, 2009

Lowest: 5.68 Nov 20, 2008

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