



Water-Data Report 2009

352827082383903 Local number BU-085, NCDENR BENT CREEK RESEARCH STATION, MW-7D, NEAR BENT CREEK, NC (BEDROCK)

Piedmont and Blue Ridge crystalline-rock aquifers
Mafic Gneiss

Buncombe County, NC

LOCATION.--Lat 35°29'27", long 82°38'39" 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, 3.2 mi southwest of Bent Creek. Owner: NCDENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth 285 ft, diameter 6 in., cased to 62 ft, open hole from 62 ft to 285 ft.

DATUM.--Land-surface datum is 2,369.88 ft above NGVD of 1929. Measuring point: Top of protective steel casing, 2.93 ft above land-surface datum.

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

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 recorded, 13.11 ft below land-surface datum, July 8, 2005; lowest water level measured 14.14 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	13.98	Jun 3, 2009	13.6
Jan 23, 2009	13.87	Jul 1	13.84
Mar 23	13.84	Aug 3	13.9
Apr 16	13.72		

Highest: 13.6 Jun 03, 2009

Lowest: 13.98 Nov 20, 2008

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