



Water-Data Report 2009

352808082382603 Local number BU-079, NCDENR BENT CREEK RESEARCH STATION, MW-4D, NEAR BENT CREEK, NC (BEDROCK)

Piedmont and Blue Ridge crystalline-rock aquifers
Mafic Gneiss

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. Owner: NCDENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth 501 ft, diameter 6 in., cased to 61 ft, open hole from 61 ft to 501 ft.

DATUM.--Land-surface datum is 2,258.53 ft above NGVD of 1929. Measuring point: top of steel casing, 3.02 ft above land-surface datum.

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

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, 10.91 ft below land-surface datum, July 3, 2003; lowest water level recorded, 13.21 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	12.83	Jun 3, 2009	11.95
Jan 23, 2009	12.51	Jul 1	12.29
Mar 23	12.4	Aug 3	12.3
Apr 16	12.13		

Highest: 11.95 Jun 03, 2009

Lowest: 12.83 Nov 20, 2008

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