



Water-Data Report 2009

352808082382601 Local number BU-077, NCDENR BENT CREEK RESEARCH STATION, MW-4S, NEAR BENT CREEK, NC (REGOLITH)

Piedmont and Blue Ridge crystalline-rock aquifers
Saprolite

Buncombe County, NC

LOCATION.--Lat 35°29'08", long 82°38'27" 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, 3.7 mi west of West Haven, NC. Owner: NCDENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth 22 ft, diameter 4 in., cased to 7 ft, screened interval from 7 ft to 22 ft, sand filter packed from 5 ft to 22 ft.

DATUM.--Land-surface datum is 2,259.66 ft above NGVD of 1929. Measuring point: Top of protective steel casing, 3.12 ft above land-surface datum.

PERIOD OF RECORD.--February 2003 to September 2009 (discontinued). Continuous record June 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, 6.83 ft below land-surface datum, July 3, 2003; lowest water level measured, 10.43 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	9.95	Jun 3, 2009	8.68
Jan 23, 2009	9.54	Jul 1	9.19
Mar 23	9.44	Aug 3	9.16
Apr 16	9.01		

Highest: 8.68 Jun 03, 2009

Lowest: 9.95 Nov 20, 2008

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