



Water-Data Report 2009

352912082382602 Local number BU-100, NCDENR BENT CREEK RESEARCH STATION, PZ-8I, NEAR BENT CREEK, NC

Piedmont and Blue Ridge crystalline-rock aquifers
Saprolite

Buncombe County, NC

LOCATION.--Lat 35°29'12", long 82°38'26" 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 34 ft, diameter 2 in., cased to 29 ft, screened interval from 29 to 34 ft.

DATUM.--Land-surface datum is 2,256.74 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of protective steel casing, 2.95 ft above land-surface datum.

PERIOD OF RECORD.--October 2004 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, 2.28 ft below land-surface datum, October 5, 2004; lowest water level measured, 5.08 ft below land-surface datum, August 14, 2008.

REVISIONS.--The highest water level for period of record has been revised to 2.28 ft, October 5, 2004. The lowest water level for period of record has been revised to 5.08 ft, August 14, 2008.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Jan 23, 2009	4.11	Jun 3, 2009	3.22
Mar 23	4.00	Jul 1	3.79
Apr 16	3.62	Aug 3	3.76

Highest: 3.22 Jun 3, 2009

Lowest: 4.11 Jan 23, 2009

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