



Water-Data Report 2008

352904082382001 Local number BU-091, NCDENR Bent Creek Research Station PZ-4S, near Bent Creek, NC

Piedmont and Blue Ridge crystalline-rock aquifers
Saprolite

Buncombe County, NC

LOCATION.--Lat 35°29'04", long 82°38'20" referenced to North American Datum of 1983, Buncombe County, NC, Hydrologic Unit 06010105, 1.2 mi north of Blue Ridge Parkway, 2.5 mi west of Bent Creek in Bent Creek Research Forest. Owner: NCDENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth 17 ft, diameter 2 in., cased to 12 ft, screened interval from 12 to 17 ft.

DATUM.--Land-surface datum is 2,231.88 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of protective steel casing, 2.90 ft above land-surface datum, June 24, 2004, to present.

PERIOD OF RECORD.--October 2004 to current year.

GAGE.--Measured periodically with electric and steel tape.

REMARKS.--Well is part of Piedmont/Mountains ground-water study.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.88 ft below land-surface datum, Oct. 5, 2004; lowest water level measured, 14.15 ft below land-surface datum, August 14, 2008.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Feb 19, 2008	13.67	May 16, 2008	13.35
Mar 17	13.12	Jul 2	13.46
Apr 25	13.2	Aug 14	14.15
25	13.2	Sep 29	13.95

Highest: 13.12 Mar 17, 2008

Lowest: 14.15 Aug 14, 2008

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