

Water-Data Report 2008

352907082382501 Local number BU-088, NCDENR Bent Creek Research Station PZ-2S, near Bent Creek, NC

Piedmont and Blue Ridge crystalline-rock aquifers
Saprolite

Buncombe County, NC

LOCATION.--Lat 35°29'07", long 82°38'25" referenced to North American Datum of 1983, Buncombe County, NC, Hydrologic Unit 06010105, 1 in Bent Creek Research Forest, .2 mi north of Blue Ridge Parkway, 2.5 mi southwest of Bent Creek. Owner: NCDENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth 22 ft, diameter 2 in., cased to 17 ft, screened interval from 17 ft to 22 ft.

DATUM.--Land-surface datum is 2,252.11 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of protective steel casing, 2.90 ft above land-surface datum, June 22, 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, 5.29 ft below land-surface datum, October 5, 2004; lowest water level measured, 8.57 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	5.62	May 16, 2008	6.57
Mar 17	5.62	Jul 2	7.03
Apr 25	6.21	Aug 14	8.57
25	6.21	Sep 29	7.96

Highest: 5.62 Feb 19, 2008 Mar 17, 2008

Lowest: 8.57 Aug 14, 2008

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