Water-Data Report 2008

352908082382701 Local number BU-093, NCDENR Bent Creek Research Station PZ-5S, near Bent Creek, NC

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, 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.

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 2,257.14 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of protective steel casing, 2.72 ft above land-surface datum, June 30, 2004, to present.

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

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

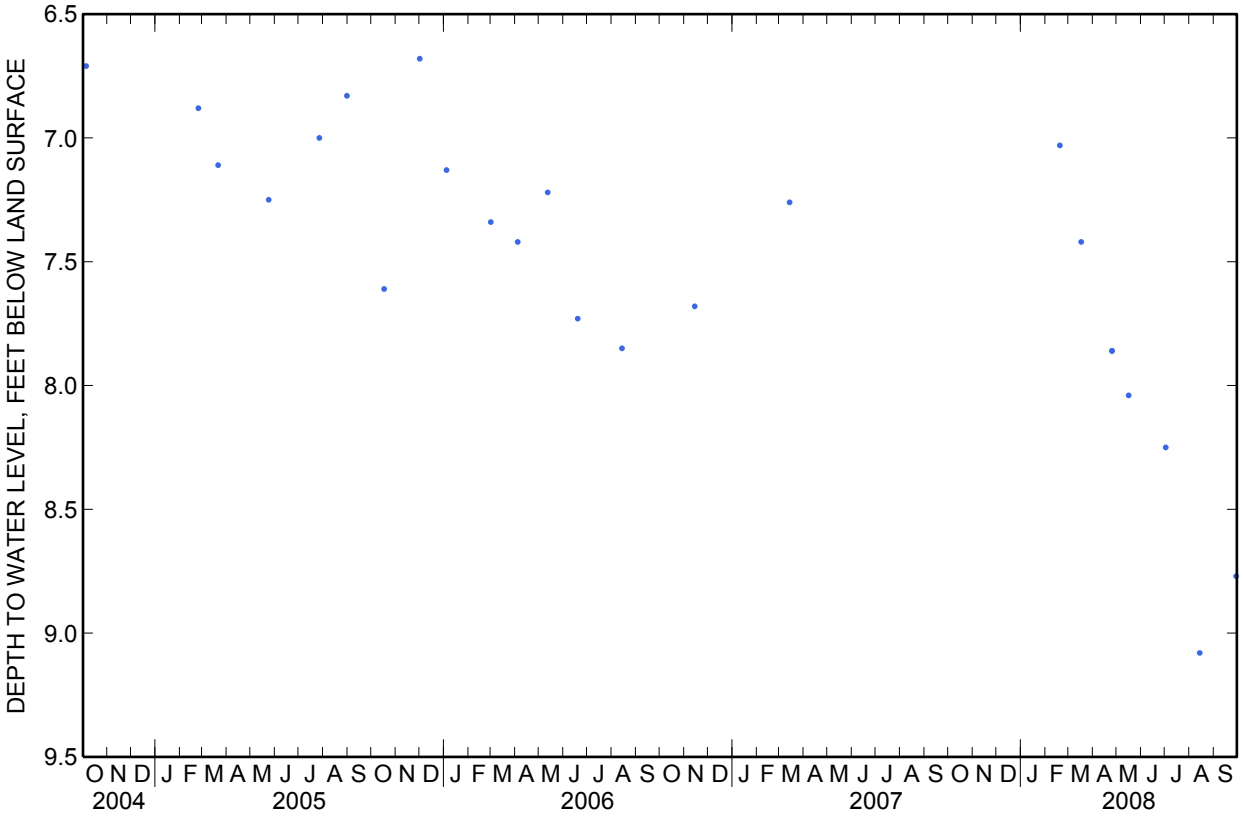
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.71 ft below land-surface datum, October 5, 2004; lowest water level measured, 9.08 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	7.03	May 16, 2008	8.04
Mar 17	7.42	Jul 2	8.25
Apr 25	7.86	Aug 14	9.08
25	7.86	Sep 29	8.77

Highest: 7.03 Feb 19, 2008

Lowest: 9.08 Aug 14, 2008

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