Water-Data Report 2008

352909082382801 Local number BU-086, NCDENR Bent Creek Research Station PZ-1S, near Bent Creek, NC

Piedmont and Blue Ridge crystalline-rock aquifers
Saprolite

Buncombe County, NC

LOCATION.--Lat 35°29′09″, long 82°38′28″ 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, 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 17 ft, diameter 2 in., cased to 12 ft, screened interval from 12 ft to 17 ft.

DATUM.--Land-surface datum is 2,260.35 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of protective steel casing, 2.86 ft above land-surface datum, June 16, 2004, to present.

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

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

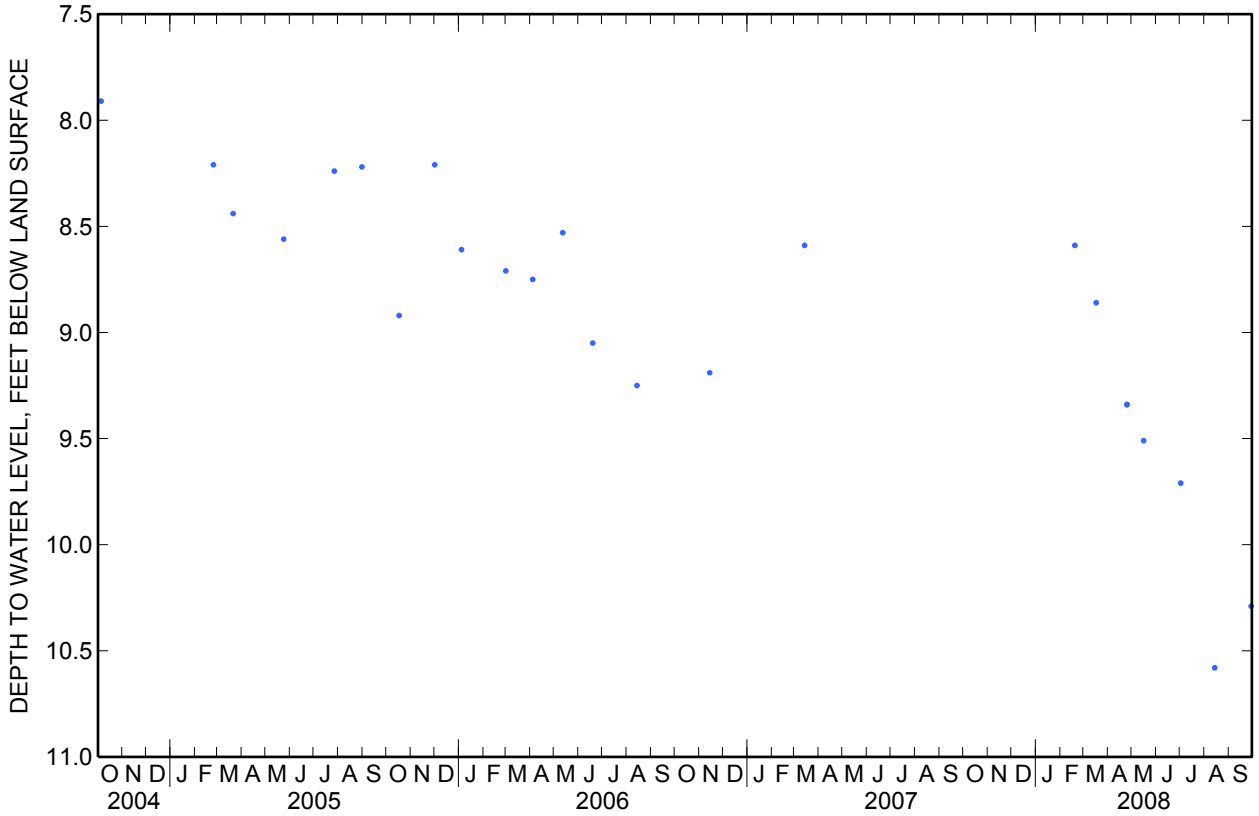
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.91 ft below land-surface datum, October 5, 2004; lowest water level measured, 10.58 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	8.59	May 16, 2008	9.51
Mar 17	8.86	Jul 2	9.71
Apr 25	9.34	Aug 14	10.58
25	9.34	Sep 29	10.29

Highest: 8.59 Feb 19, 2008

Lowest: 10.58 Aug 14, 2008

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