Water-Data Report 2008

352840082381002 Local number BU-069, NCDENR Bent Creek Research Station MW-1I near Bent Creek, NC (Transition Zone)

Piedmont and Blue Ridge crystalline-rock aquifers
Saprolite

Buncombe County, NC

LOCATION.--Lat 35°28′40″, long 82°38′10″ referenced to North American Datum of 1983, Buncombe County, NC, Hydrologic Unit 06010105, 1.2 mi north of Blue Ridge Parkway, 3.2 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 53 ft, diameter 4 in., cased to 38 ft, screened interval from 38 ft to 53 ft, sand filter packed from 32 ft to 53 ft.

DATUM.--Land-surface datum is 2,202.52 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of steel casing, 2.77 ft above land-surface datum, February 4, 2003, to present.

PERIOD OF RECORD.--February 2003 to current year.

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

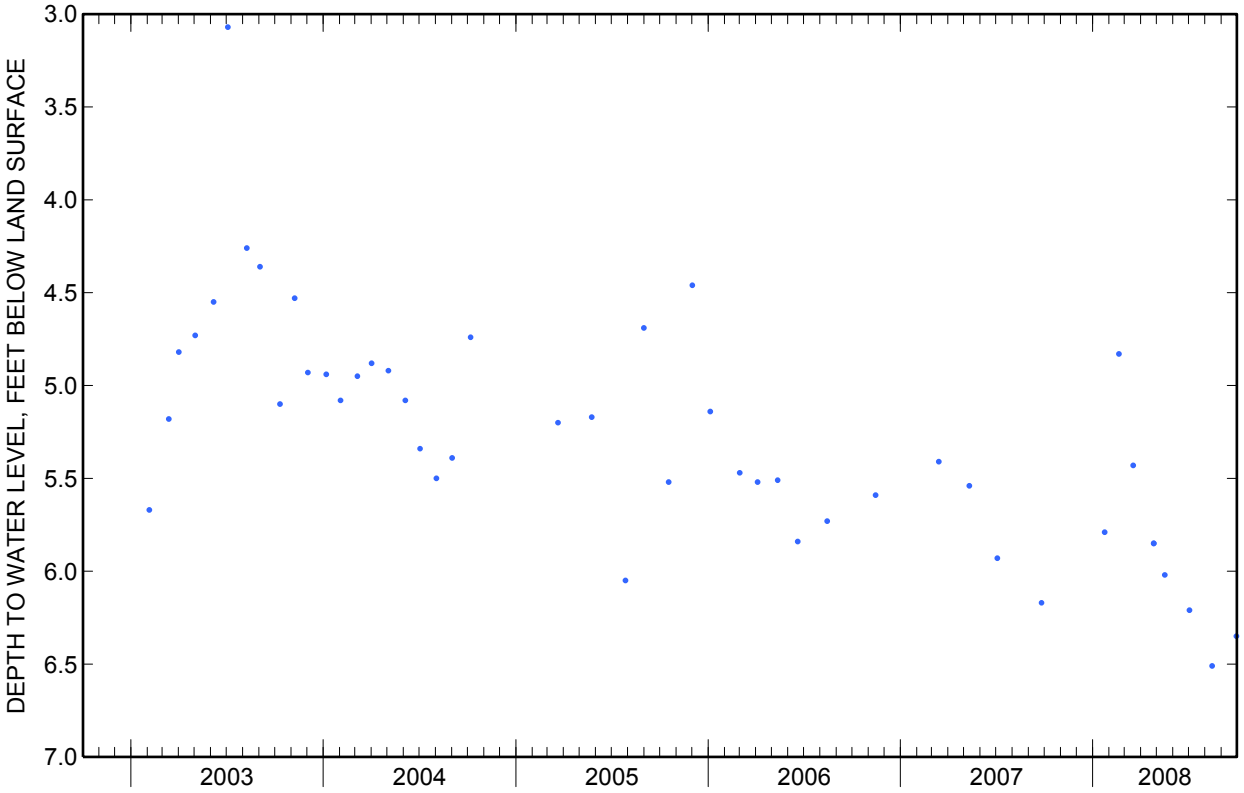
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.07 ft below land-surface datum, July 3, 2003; lowest water level measured, 6.51 ft below land-surface datum, August 14, 2008.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Jan 23, 2008	5.79	May 16, 2008	6.02
Feb 19	4.83	Jul 2	6.21
Mar 17	5.43	Aug 14	6.51
Apr 25	5.85	Sep 29	6.35
25	5.85		

Highest: 4.83 Feb 19, 2008

Lowest: 6.51 Aug 14, 2008

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