352854082380501 Local number BU-071, NCDENR Bent Creek Research Station MW-2S near Bent Creek, NC (Regolith)

Piedmont and Blue Ridge crystalline-rock aquifers
Saprolite

Buncombe County, NC

LOCATION.--Lat 35°28′54″, long 82°38′06″ 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 20 ft, diameter 4 in., cased to 5 ft, screened interval from 5 ft to 20 ft, sand filter packed from 3 ft to 20 ft.

DATUM.--Land-surface datum is 2,190.69 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of steel casing, 2.96 ft above land-surface datum, December 1, 2005, to present.

PERIOD OF RECORD.--February 2003 to current year. Continuous record July 2004 to December 2005.

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

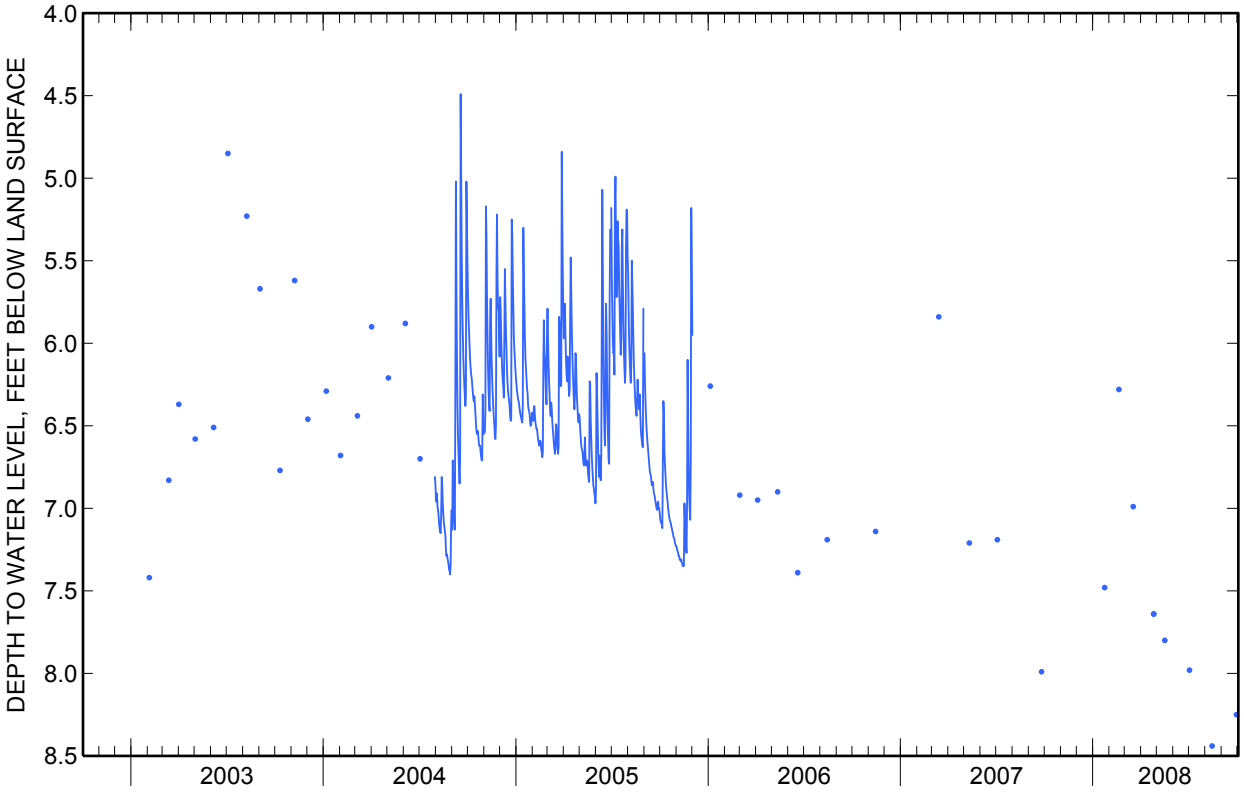
REMARKS.--Well is part of Piedmont/Mountains ground-water study.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 4.00 ft below land-surface datum, September 17, 2004; lowest water level measured, 8.44 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	7.48	May 16, 2008	7.8
Feb 19	6.28	Jul 2	7.98
Mar 17	6.99	Aug 14	8.44
Apr 25	7.64	Sep 29	8.25
25	7.64		

Highest: 6.28 Feb 19, 2008

Lowest: 8.44 Aug 14, 2008

352854082380501 Local number BU-071, NCDENR Bent Creek Research Station MW-2S near Bent Creek, NC (Regolith)—Continued