



Water-Data Report 2007

**362226079410103 Local number RK-245, DENR Upper Piedmont Research Station MW-S4D (Bedrock well).**

Piedmont and Blue Ridge crystalline-rock aquifers  
Felsic Gneiss

Rockingham County, NC

LOCATION.--Lat 36°22'26", long 79°41'01" referenced to North American Datum of 1983, Rockingham County, NC, Hydrologic Unit 03010103, .6 mi north of Wentworth Street, .6 mi west of Secondary Road 1993 on North Carolina State University Research Farm. Owner: NCDENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

**GROUND-WATER RECORDS**

WELL CHARACTERISTICS.--Drilled observation well, depth 380 ft, diameter 6.25 in., cased to 77 ft, open hole from 77 to 380 ft.

DATUM.--Land-surface datum is 659.57 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of protective steel casing at lock bracket, 3.02 ft above land-surface datum, May 6, 2002, to present.

PERIOD OF RECORD.--May 2002 to current year. Continuous record May 2003 to October 2004.

GAGE.--Measured periodically with electric tape.

REMARKS.--Well is part of Piedmont/Mountains ground-water study. Well is located in close proximity to stream.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 1.40 ft below land-surface datum, May 26, 2003; lowest water level measured, 5.58 ft below land-surface datum, August 31, 2007.

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM**

Date	Water level	Date	Water level
Oct 27, 2006	4.83	Apr 27, 2007	4.55
Nov 20	4.42	May 30	5.08
Dec 19	4.72	Jun 21	5.16
Jan 24, 2007	4.61	Jul 20	5.33
Feb 28	4.44	Aug 31	5.58
Mar 28	4.51	Sep 18	5.56

Highest: 4.42 Nov 20, 2006

Lowest: 5.58 Aug 31, 2007

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