



Water-Data Report 2007

362334079421602 Local number RK-228; DENR Upper Piedmont Research Station MW-N11 (Transition Zone well).

Piedmont and Blue Ridge crystalline-rock aquifers
Saprolite

Rockingham County, NC

LOCATION.--Lat 36°23'35", long 79°42'17" 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 65 ft, diameter 4 in., cased to 50 ft, screened interval from 50 to 65 ft, sand filter packed from 20 to 50 ft, natural fill from 50 to 65 ft.

DATUM.--Land-surface datum is 672.27 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of protective steel casing at lock bracket, 2.82 ft above land-surface datum, May 14, 2002, to present.

PERIOD OF RECORD.--May 2002 to current year.

GAGE.--Measured periodically with steel and electric tape by NCDENR, Division of Water Quality.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.83 ft below land-surface datum, July 5, 2006; lowest water level measured, 7.38 ft below land-surface datum, August 7, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

Date	Water level	Date	Water level
Oct 27, 2006	6.34	Apr 27, 2007	5.98
Nov 20	5.92	May 30	6.44
Dec 19	5.96	Jun 21	6.46
Jan 24, 2007	5.83	Jul 20	6.54
Feb 28	5.79	Aug 31	6.96
Mar 28	5.80	Sep 18	7.01

Highest: 5.79 Feb 28, 2007

Lowest: 7.01 Sep 18, 2007

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