



Water-Data Report 2007

362231079410801 Local number RK-239, DENR Upper Piedmont Research Station MW-S3S (Regolith well).

Piedmont and Blue Ridge crystalline-rock aquifers
Saprolite

Rockingham County, NC

LOCATION.--Lat 36°22'31", long 79°41'08" 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 38 ft, diameter 4 in., cased to 23 ft, screened interval from 23 to 38 ft, sand filter packed from 21 to 38 ft.

DATUM.--Land-surface datum is 705.16 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of protective steel casing at lock bracket, 2.99 ft above land-surface datum, April 10, 2002, to present.

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

GAGE.--Measured periodically with 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, 19.61 ft below land-surface datum, September 10, 2003; lowest water level measured, 26.83 ft below land-surface datum, October 23, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

Date	Water level	Date	Water level
Oct 27, 2006	24.29	Apr 27, 2007	22.88
Nov 20	24.07	May 30	23.25
Dec 19	23.60	Jun 21	23.67
Jan 24, 2007	23.19	Jul 20	24.21
Feb 28	23.06	Aug 31	24.86
Mar 28	22.92	Sep 18	25.08

Highest: 22.88 Apr 27, 2007

Lowest: 25.08 Sep 18, 2007

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