



Water-Data Report 2007

362334079421601 Local number RK-227; DENR Upper Piedmont Research Station MW-N1S (Regolith 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 St, .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 15 ft, diameter 4 in., cased to 5 ft, screened interval from 5 to 15 ft, sand filter packed from 4 to 15 ft.

DATUM.--Land-surface datum is 672.76 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of protective steel casing at lock bracket, 2.98 ft above land-surface datum, April 9, 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, 4.44 ft below land-surface datum, July 5, 2006; lowest water level measured, 7.91 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 | 6.85 | Apr 27, 2007 | 6.50 |
| Nov 20 | 6.44 | May 30 | 7.12 |
| Dec 19 | 6.74 | Jun 21 | 7.04 |
| Jan 24, 2007 | 6.38 | Jul 20 | 7.13 |
| Feb 28 | 6.33 | Aug 31 | 7.54 |
| Mar 28 | 6.35 | Sep 18 | 7.60 |

Highest: 6.33 Feb 28, 2007

Lowest: 7.60 Sep 18, 2007

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