



Water-Data Report 2007

362323079421201 Local number RK-235, DENR Upper Piedmont Research Station MW-N4I (Transition Zone well).

Piedmont and Blue Ridge crystalline-rock aquifers
Saprolite

Rockingham County, NC

LOCATION.--Lat 36°23'23", long 79°42'13" 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 70 ft, diameter 6.25 in., cased to 44 ft, open hole from 44 to 70 ft.

DATUM.--Land-surface datum is 839.63 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of protective steel casing at lock bracket, 2.80 ft above land-surface datum, Aug. 2, 2005, to present. February 2005 to August 2005, measuring point floor of shelter, 2.85 ft above land-surface datum. Shelter removed August 2005, measuring point returned to 2.80 ft above land-surface datum.

PERIOD OF RECORD.--June 2002 to current year. Continuous record February 2005 to August 2005.

GAGE.--Measured periodically with electric tape.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.36 ft below land-surface datum, July 7, 2003; lowest water level measured, 37.54 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 | 32.56 | Apr 27, 2007 | 29.96 |
| Nov 20 | 32.48 | May 30 | 30.14 |
| Dec 19 | 31.62 | Jun 21 | 30.35 |
| Jan 24, 2007 | 30.32 | Jul 20 | 30.81 |
| Feb 28 | 29.98 | Aug 31 | 31.63 |
| Mar 28 | 29.91 | Sep 18 | 31.89 |

Highest: 29.91 Mar 28, 2007

Lowest: 32.56 Oct 27, 2006

