



Water-Data Report 2007

**354404078403101 Local number WK-284, DENR Lake Wheeler Research Station MW-3S (Regolith well).**

Piedmont and Blue Ridge crystalline-rock aquifers

Saprolite

Wake County, NC

LOCATION.--Lat 35°44'04", long 78°40'31" referenced to North American Datum of 1983, Wake County, NC, Hydrologic Unit 03020201, .6 mi south of Tryon Road, .2 mi east of Lake Wheeler Road 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 35 ft, diameter 4 in., cased to 20 ft, screened interval from 20 to 35 ft, sand filter packed from 17 to 35 ft.

DATUM.--Land-surface datum is 375.02 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of 4-inch PVC casing, 1.91 ft above land-surface datum, August 9, 2001, to present.

PERIOD OF RECORD.--May 2001 to current year.

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

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.54 ft below land-surface datum, November 13, 2004; lowest water level measured, 26.87 ft below land-surface datum, October 3, 2002.

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

<b>Date</b>	<b>Water level</b>	<b>Date</b>	<b>Water level</b>
Oct 10, 2006	25.99	Sep 14, 2007	26.36
May 15, 2007	25.32		

Highest: 25.32 May 15, 2007

Lowest: 26.36 Sep 14, 2007

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