



Water-Data Report 2006

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

Piedmont and Blue Ridge crystalline-rock aquifers  
 Quaternary 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: DENR (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 NGVD of 1929. Measuring point: Top of 4-inch casing, 1.91 ft above land-surface datum.

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

GAGE.--Measured periodically with electric tape (by DENR 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, Nov. 13, 2004; lowest water level measured, 26.87 ft below land-surface datum, Oct. 3, 2002.

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM  
 WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

[Measurement method: T, electric tape; . Water-level status: --, static.]

Date	Water level	Measure-ment method	Water level status	Date	Water level	Measure-ment method	Water level status
Oct 13	24.65	T	--	Mar 10	25.21	T	--
Nov 14	25.11	T	--				

Water year 2006 highest: 24.65 Oct 13, 2005; lowest: 25.21 Mar 10, 2006

Period of record highest: 22.54 Nov 13, 2003; lowest: 26.87 Oct 03, 2002

Record available from May 29, 2001, to Mar 10, 2006; 43 entries

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