



Water-Data Report 2006

354356078403501 Local number WK-277, DENR Lake Wheeler Research Station MW-1S (Regolith well).

Piedmont and Blue Ridge crystalline-rock aquifers
 Quaternary Saprolite
 Wake County, NC

LOCATION.--Lat 35°43'57", long 78°40'35" 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 20 ft, diameter 4 in., cased to 5 ft, screened interval from 5 to 20 ft, sand filter packed from 5 to 20 ft.

DATUM.--Land-surface datum is 334.38 ft above NGVD of 1929. Measuring point: Top of 4-inch casing, 1.97. Instrument shelter removed June 17, 2004.

PERIOD OF RECORD.--July 2001 to current year. Continuous record December 2001 to June 2004.

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 recorded, -0.38 ft below land-surface datum, July 2, 2003; lowest water level recorded, 2.71 ft below land-surface datum, Aug. 13, 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	1.68	T	--	Mar 10	1.43	T	--
Nov 14	1.79	T	--				

Water year 2006 highest: 1.43 Mar 10, 2006; lowest: 1.79 Nov 14, 2005

Period of record highest: .49 Aug 31, 2004; lowest: 2.66 Aug 13, 2002

Record available from Jul 03, 2001, to Mar 10, 2006; 69 entries

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