

WAKE COUNTY—Continued

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

LOCATION.--Lat 35°44'04", long 78°40'31", Hydrologic Unit 03020201, .6 mi south of Tryon Road, .2 mi east of Lake Wheeler Road on NCSU Research Farm. Owner: DENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

AQUIFER.--Regolith (saprolitic Raleigh Gneiss).

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.

INSTRUMENTATION.--Measured periodically with electric tape (by DENR and USGS).

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.

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

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

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

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL										
OCT 13	22.76*	DEC 29	23.09*	MAR 01	23.34*	MAY 10	23.27*	JUL 07	23.70*	AUG 31	24.08*
NOV 13	22.54*	JAN 30	23.20*	APR 05	23.15*	JUN 08	23.53*	AUG 03	23.94*		

\*DENR measurement.

