

WAKE COUNTY—Continued

354359078403102. County number, WK-281; DENR Lake Wheeler Research Station MW-2I (Intermediate well).

LOCATION.--Lat 35°43'59.9", long 78°40'31.5", 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.--Transition zone (Raleigh Gneiss).

WELL CHARACTERISTICS.--Drilled observation well, depth 50 ft, diameter 4 in., cased to 40 ft, screened interval from 40 to 50 ft, sand filter packed from 38 to 50 ft.

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

DATUM.--Land-surface datum is 361.19 ft above NGVD of 1929. Measuring point: Top of 4-inch casing, 1.82 ft above land-surface datum.

REMARKS.--Well is part of Piedmont/Mountains groundwater project.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26.05 ft below land-surface datum, Sept. 17, 2003; lowest water level measured 29.59 ft below land-surface datum, Oct. 3, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 03	29.59*	DEC 30	27.89*	MAR 05	27.31*	MAY 14	26.56	AUG 06	26.68	SEP 17	26.05*
NOV 04	29.11*	FEB 03	27.57*	APR 03	26.78*	JUL 09	26.43*	13	26.40*		

*DENR measurements.

