

WAKE COUNTY--Continued

354401078403401. County number, WK-287; DENR Lake Wheeler Research Station PW-1.

LOCATION.--Lat 35°44'00.9", long 78°40'33.7", North American Datum of 1983, 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.--Raleigh Gneiss.

WELL CHARACTERISTICS.--Drilled observation well, depth 302 ft, diameter 6 in., cased to 62.5 ft, open hole from 62.5 to 302 ft.

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

DATUM.--Land-surface datum is 358.20 ft above NGVD of 1929. Measuring point: Top of 6-inch casing, 0.89 ft above land-surface datum.

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

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.95 ft below land-surface datum, Aug. 1, 2001; lowest water level measured 23.37 ft below land-surface datum, Aug. 22, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 02	22.09*	DEC 04	22.22*	JAN 31	21.43	MAR 21	22.00*	JUN 17	23.18*	AUG 22	23.37*
NOV 05	22.19*	JAN 10	21.33*	FEB 12	21.48*	MAY 07	22.33*	JUL 16	23.23*		

* DENR measurement.

