

WAKE COUNTY—Continued

354356078403503. County number, WK-279; DENR Lake Wheeler Research Station MW-1D (Bedrock well).

LOCATION.--Lat 35°43'56", long 78°40'34", 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.

AQUIFER.--Raleigh Gneiss.

WELL CHARACTERISTICS.--Drilled observation well, depth 302 ft, diameter 6 in., cased to 47 ft, open hole from 47 to 302 ft.

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

DATUM.--Land-surface datum is 358.62 ft above NGVD of 1929. Measuring point: Top of 6-inch PVC, 1.84 ft above land-surface datum. Instrument shelter removed June 17, 2004.

REMARKS.--Well is part of Piedmont/Mountains ground-water study. Inflatable packer installed on July 16, 2001 and water-level records stored as 354356078403504 (WK-279A) and 354356078403505 (WK279B). Packer set at 75 ft below land surface. Packer removed Nov. 13, 2003.

PERIOD OF RECORD.--June 2001 to July 2002, November 2003 to current year. Continuous record December 2001 to July 2002, November 2003 to June 2004. Periodic measurements made by DENR and U.S. Geological Survey, June 2001 to August 2004.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.28 ft below land-surface datum, Aug. 31, 2004; lowest water level recorded, 5.94 ft below land-surface datum, July 10, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 12	4.07	APR 25	4.14	AUG 02	4.87

