

WAKE COUNTY--Continued

354356078403502. County number, WK-278; DENR Lake Wheeler Research Station MW-1I (Transition zone well).
 LOCATION.--Lat 35°43'55.8", long 78°40'34.5", 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.--Regolith (saprolitic quartz diorite).
 WELL CHARACTERISTICS.--Drilled observation well, depth 41.5 ft, diameter 4 in., cased to 31.5 ft, screened interval from 31.5 ft to 41.5 ft, sand filter packed from 26.5 ft to 42 ft.
 INSTRUMENTATION.--Measured periodically with electric tape. (by DENR and USGS)
 DATUM.--Land-surface datum is 330 ft above sea level. Measuring point: Top of instrument shelter floor, 1.87 ft above land-surface datum.
 REMARKS.--Well is part of Piedmont/Mountains groundwater project.
 PERIOD OF RECORD.--July 2001 to September 2001.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 2.75 ft below land-surface datum, Aug. 1, 2001; lowest water level recorded 3.18 ft below land-surface datum, Sept. 13, 2001.

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

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|--------|-------------|--------|-------------|--------|-------------|--------|-------------|--------|-------------|
| JUL 03 | 3.07 | AUG 01 | 2.75 | AUG 15 | 2.83 | AUG 27 | 3.10 | SEP 13 | 3.18 |

