

GROUND-WATER LEVELS

IREDELL COUNTY—Continued

353157080525301. County number, IR-148; DENR Langtree Research Station MW-3S (Regolith well).

LOCATION.--Lat 35°31'57", long 80°52'53", Hydrologic Unit 03050101, 2.5 mi northwest of Davidson, .5 mi north of Langtree Road at Davidson College Lake Campus. 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 20 ft, diameter 4 in., cased to 5 ft, screened interval from 5 to 15 ft, sand filter packed from 4 to 20 ft.

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

DATUM.--Land-surface datum is 761.96 ft above NGVD of 1929, (levels by DENR). Measuring point: Top of 4 in. PVC casing, 0.40 ft below land-surface datum.

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

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.18 ft below land-surface datum, Mar. 27, 2003; lowest water level measured 9.14 ft below land-surface datum, Dec. 12, 2001.

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

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|--------|-------------|--------|-------------|--------|-------------|--------|-------------|
| NOV 10 | 5.04 | JAN 13 | 8.82 | MAR 15 | 6.94 | JUL 28 | 5.25 |
| DEC 15 | 4.45 | FEB 13 | 8.75 | MAY 23 | 4.93 | | |

