

IREDELL COUNTY—Continued

353151080524701. County number, IR-139; DENR Langtree Research Station GP-7.

LOCATION.--Lat 35°31'52", long 80°52'47", Hydrologic Unit 03050101, .3 mi north of Langtree Road, .9 mi west of Interstate 77 on Lake Campus Road.
 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 18 ft, diameter 0.5 in., cased to 9 ft, open hole from 9 to 18 ft.

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

DATUM.--Land-surface datum is 767.37 ft above NGVD of 1929. Measuring point: Top of PVC casing, -0.17 ft below land-surface datum.

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

PERIOD OF RECORD.--October 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.23 ft below land-surface datum, March 27, 2003; lowest water level measured, 14.25 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 | DATE | WATER LEVEL |
|--------|-------------|--------|-------------|--------|-------------|--------|-------------|--------|-------------|
| NOV 10 | 9.74 | JAN 13 | 11.06 | MAR 15 | 11.62 | MAY 23 | 10.27 | JUL 28 | 10.33 |

