

IREDELL COUNTY—Continued

353151080524603. County number, IR-159; DENR Langtree Research Station MW-6D (Bedrock well).

LOCATION.--Lat 35°31'52", long 80°52'46", Hydrologic Unit 03050101, 2.5 mi northwest of Davidson, .4 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.--Quartz diorite bedrock.

WELL CHARACTERISTICS.--Drilled observation well, depth 400 ft, diameter 6.25 in., steel cased to 43 ft, initially open hole from 43 to 400 ft. Well modified in December 2001, 4 in. PVC liner installed to 69 ft, open hole from 69 to 400 ft.

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

DATUM.--Land-surface datum is 765.84 ft above NGVD of 1929, (levels by DENR). Measuring point: Top of 6.25 in. PVC casing, 0.29 ft below land-surface datum.

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

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.60 ft below land-surface datum, Mar. 27, 2003; lowest water level measured, 12.44 ft below land-surface datum, Nov. 14, 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 | 5.95 | JAN 13 | 8.27 | MAR 15 | 7.84 | JUL 28 | 9.61 |
| DEC 15 | 5.68 | FEB 13 | 8.45 | MAY 23 | 6.22 | | |

