

GROUND-WATER LEVELS

IREDELL COUNTY—Continued

353151080524604. County number, IR-160; DENR Langtree Research Station MW-6IB (Transition zone 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.--Transition zone (weathered and competent quartz diorite).

WELL CHARACTERISTICS.--Drilled observation well, depth 30 ft, diameter 4 in., cased to 15 ft, screened interval from 15 to 30 ft, sand filter packed from 12 to 30 ft.

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

DATUM.--Land-surface datum is 765.73 ft above NGVD of 1929, (levels by DENR). Measuring point: Top of 4 in. PVC casing, 0.27 ft below land-surface datum.

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

PERIOD OF RECORD.--March 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.68 ft below land-surface datum, Mar. 27, 2003; lowest water level measured, 12.49 ft below land-surface datum, Sept. 17, 2002.

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

DATE	WATER LEVEL						
NOV 10	8.64	JAN 13	12.03	MAR 15	10.36	JUL 28	8.87
DEC 15	7.91	FEB 13	12.15	MAY 23	8.34		

