

GROUND-WATER LEVELS

IREDELL COUNTY--Continued

353145080524702. County number, IR-152; DENR Langtree Research Station MW-4I (Regolith well).

LOCATION.--Lat 35°31'44.99", long 80°52'47.32", North American Datum of 1983, Hydrologic Unit 03050101, 2.5 mi northwest of Davidson, .3 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 (weathered quartz diorite).

WELL CHARACTERISTICS.--Drilled observation well, depth 38 ft, diameter 4 in., cased to 23 ft, screened interval from 23 to 38 ft, sand filter packed with native fill 23 to 38 ft.

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

DATUM.--Land surface datum is 801.69 ft above NGVD of 1929, (levels by DENR). Measuring point: Top of 4 in. PVC casing, 0.10 ft above land surface datum.

REMARKS.--Well is part of Piedmont/Mountains ground-water project. Well deepened in February 2002. Continued as site 353145080524704, IR-152A, DENR Langtree Research Station MW-4IA. Well also sampled for water quality.

PERIOD OF RECORD.--May 2001 to March 2002 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.39 ft below land-surface datum, June 19, 2001; lowest water level measured 35.69 ft below land surface datum, Jan. 17, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, FOR PERIOD OCTOBER 2001 TO MARCH 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 04	34.95	NOV 14	35.33	DEC 12	35.58	JAN 17	35.69

