

IREDELL COUNTY--Continued

353151080524602. County number, IR-158; DENR Langtree Research Station MW-6I (Transition zone well).

LOCATION.--Lat 35°31'51.68", long 80°52'45.74", North American Datum of 1983, 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 35 ft, diameter 4 in., cased to 20 ft, screened interval from 20 to 35 ft, sand filter packed with native fill from 15 to 35 ft. Well abandoned in February 2002.

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

DATUM.--Land surface datum is 764.59 ft above NGVD of 1929, (levels by DENR). Measuring point: Top of 4 in. PVC casing, 0.10 ft below land surface datum.

REMARKS.--Well is part of Piedmont/Mountains ground-water project. Possible well construction problems. Monitored zone may be connected to overlying regolith.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.94 ft below land surface datum, May 15, 2001; lowest water level measured, 12.22 ft below land surface datum, Dec. 12, 2001.

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

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 04	10.30	NOV 14	11.80	DEC 12	12.22	JAN 17	11.95

