

IREDELL COUNTY--Continued

353145080524702. County number, IR-152; DENR Langtree Research Station MW-4I (Transition zone 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.--Transition zone (weathered and competent quartz diorite).  
 WELL CHARACTERISTICS.--Drilled observation well, depth 53 ft, diameter 4 in., cased to 38 ft, screened interval from 38 to 53 ft, sand filter packed with native fill 35 ft to 53 ft.  
 INSTRUMENTATION.--Measured periodically with steel and electric tape. (by DENR and USGS)  
 DATUM.--Land surface datum is 801.69 ft above sea level, (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. Possible well construction problems. Monitored zone may be connected to overlying regolith.  
 PERIOD OF RECORD.--May 2001 to September 2001.  
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.39 ft below land-surface datum, June 19, 2001; lowest water level measured 34.03 ft below land surface datum, Aug. 20, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR MAY 2001 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 15	33.76	JUN 19	33.39	JUL 31	33.75	AUG 20	34.03

