

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 ft to 35 ft, sand filter packed with native fill from 15 ft to 35 ft.
 INSTRUMENTATION.--Measured periodically with steel and electric tape. (by DENR and USGS)
 DATUM.--Land surface datum is 764.59 ft above sea level, (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 September 2001.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.94 ft below land surface datum, May 15, 2001; lowest water level measured, 9.37 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	7.94	JUN 19	8.51	JUL 31	8.96	AUG 20	9.37

