

GROUND-WATER LEVELS

IREDELL COUNTY--Continued

353151080524603. County number, IR-159; DENR Langtree Research Station MW-6D (Bedrock well).
 LOCATION.--Lat 35°31'51.58", long 80°52'45.91", 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.--Quartz diorite bedrock.
 WELL CHARACTERISTICS.--Drilled observation well, depth 400 ft, diameter 6.25 in., cased to 43 ft, open hole from 43 ft to 400 ft.
 INSTRUMENTATION.--Measured periodically with steel and electric tape. (by DENR and USGS)
 DATUM.--Land surface datum is 765.09 ft above sea level, (levels by DENR). Measuring point: Top of 6.25 in. PVC casing, 0.20 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 transition zone and regolith.
 PERIOD OF RECORD.--May 2001 to September 2001.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.40 ft below land surface datum, May 15, 2001; lowest water level measured, 9.82 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	8.40	JUN 19	8.96	JUL 31	9.33	AUG 20	9.82

