

IREDELL COUNTY—Continued

353148080524703. County number, IR-156; DENR Langtree Research Station MW-5D (Bedrock well).

LOCATION.--Lat 35°31'48.13", long 80°52'46.98", 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.--Quartz diorite bedrock.

WELL CHARACTERISTICS.--Drilled observation well, depth 400 ft, diameter 6.25 in., cased to 40 ft, open hole from 40 to 400 ft.

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

DATUM.--Land surface datum is 784.09 ft above NGVD of 1929, (levels by DENR). Measuring point: Top of steel protective casing, 1.40 ft above land surface datum.

REMARKS.--Well is part of Piedmont/Mountains ground-water project. Well also sampled for water quality.

PERIOD OF RECORD.--May 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.86 ft below land-surface datum, June 23, Aug. 7, 2003; lowest water level measured 32.56 ft below land surface datum, Aug. 27, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	29.62	DEC 17	25.83	MAR 27	24.53	JUN 23	23.86	SEP 23	25.00
NOV 22	27.98	FEB 11	26.56	MAY 05	25.26	AUG 07	23.86		

