

IREDELL COUNTY—Continued

353145080524704. County number, IR-152A; DENR Langtree Research Station MW-4IA (Transition zone well).

LOCATION.--Lat 35°31'44.81", long 80°52'47.33", 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 55 ft, diameter 2 in., cased to 40 ft, screened interval from 40 to 55 ft, sand filter packed with native fill 35 ft to 55 ft.

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

DATUM.--Land surface datum is 801.69 ft above NGVD of 1929, (levels by DENR). Measuring point: Top of 2 in. PVC casing, 0.70 ft above land surface datum.

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

PERIOD OF RECORD.--March 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.34 ft below land-surface datum, Aug. 7, 2003; lowest water level measured 36.95 ft below land surface datum, Dec. 17, 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	36.63	DEC 17	36.95	MAR 27	34.42	JUN 23	27.89	SEP 23	27.49
NOV 22	36.90	FEB 11	35.47	MAY 05	31.37	AUG 07	27.34		

