

GROUND-WATER LEVELS

IREDELL COUNTY--Continued

353141080524703. County number, IR-147; DENR Langtree Research Station MW-1D (Bedrock well).

LOCATION.--Lat 35°31'40.9", long 80°52'46.87", Hydrologic Unit 03050101, 2.5 mi northwest of Davidson, .2 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 602 ft, diameter 6.25 in., cased to 55 ft, open hole from 55 ft to 602 ft.

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

DATUM.--Land surface datum is 812.04 ft above sea level (levels by DENR). Measuring point: Top of steel protective casing, 2.17 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 transition zone and regolith.

PERIOD OF RECORD.--January 2001 to September 2001.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.50 ft below land-surface datum, June 19, 2001; lowest water level measured 39.65 ft below land surface datum, Feb. 15, 2001.

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

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 04	39.48	FEB 01	39.60	FEB 23	39.64	MAR 21	39.51	MAY 15	38.55	AUG 20	39.61
11	39.51	07	39.64	MAR 08	39.64	27	39.48	JUN 19	38.50		
24	39.58	15	39.65	14	39.58	APR 11	39.04	JUL 31	39.33		

