

GROUND-WATER LEVELS

IREDELL COUNTY--Continued

353145080524703. County number, IR-153; DENR Langtree Research Station MW-4D (Bedrock well).

LOCATION.--Lat 35°31'45.15", long 80°52'47.31", North American Datum of 1983, 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., steel cased to 61 ft, initially open hole from 61 to 400 ft. Well modified in December 2001, 4 in. PVC liner installed to 69 ft, open hole from 69 to 400 ft.

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

DATUM.--Land surface datum is 801.09 ft above NGVD of 1929, (levels by DENR). Measuring point: Top of 4 in. PVC casing, 1.32 ft above land surface datum (revised).

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, 41.89 ft below land-surface datum, Apr. 24, 2002; lowest water level measured 47.94 ft below land surface datum, Nov. 14, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 04	46.84	JAN 17	46.06	APR 24	41.89	JUL 11	44.71	SEP 17	46.16
NOV 14	47.94	FEB 21	45.58	MAY 15	43.52	AUG 13	46.09		
DEC 12	47.62	MAR 22	44.73	JUN 12	44.02	27	47.92		

