

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., steel cased to 55 ft, initially open hole from 55 to 602 ft. Well modified in December 2001, 4 in. PVC liner installed to 76 ft, open hole from 76 to 602 ft.

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

DATUM.--Land surface datum is 812.04 ft above NGVD of 1929 (levels by DENR). Measuring point: Top of steel protective casing, 2.15 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.--January 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.50 ft below land-surface datum, June 19, 2001; lowest water level measured 52.61 ft below land surface datum, Feb. 21, 2002.

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	40.89	JAN 17	47.84	APR 24	45.25	JUL 11	48.35	SEP 17	48.38
NOV 14	40.47	FEB 21	52.61	MAY 15	47.00	AUG 13	48.71		
DEC 12	44.03	MAR 22	49.48	JUN 12	47.76	27	49.63		

