



Water-Data Report 2007

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

Piedmont and Blue Ridge crystalline-rock aquifers
Intermediate Metaigneous Rock

Iredell County, NC

LOCATION.--Lat 35°31'41", long 80°52'47" referenced to North American Datum of 1983, Iredell County, NC, Hydrologic Unit 03050101, 2.5 mi northwest of Davidson, .2 mi north of Langtree Road at Davidson College Lake Campus. Owner: NCDENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

GROUND-WATER RECORDS

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.

DATUM.--Land-surface datum is 812.51 ft above National Geodetic Vertical Datum of 1929 (levels by NCDENR). Measuring point: top of 4-inch PVC liner, 2.16 ft above land-surface datum, Dec. 12, 2001, to present.

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

GAGE.--Measured periodically with steel and electric tape. (by NCDENR, Division of Water Quality, and USGS)

REMARKS.--Well is part of Piedmont/Mountains ground-water study.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.48 ft below land-surface datum, June 19, 2001; lowest water level measured, 50.54 ft below land-surface datum, July 23, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

Date	Water level	Date	Water level
Apr 13, 2007	43.59	Jul 26, 2007	47.44
May 14	44.47	Aug 16	49.44
Jun 19	45.82	Sep 14	48.28

Highest: 43.59 Apr 13, 2007

Lowest: 49.44 Aug 16, 2007

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