



Water-Data Report 2007

353148080524703 Local number IR-156, DENR Langtree Research Station MW-5D (Bedrock well)

Piedmont and Blue Ridge crystalline-rock aquifers
Intermediate Intrusive Igneous Rock
Iredell County, NC

LOCATION.--Lat 35°31'48", long 80°52'47" referenced to North American Datum of 1983, Iredell County, NC, Hydrologic Unit 03050101, 2.5 mi northwest of Davidson, .3 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 400 ft, diameter 6.25 in., cased to 40 ft, open hole from 40 to 400 ft.

DATUM.--Land-surface datum is 784.73 ft above National Geodetic Vertical Datum of 1929 (levels by NCDENR). Measuring point: top of protective steel casing, 1.37 ft above land-surface datum, May 15, 2001, to present.

PERIOD OF RECORD.--May 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, 23.89 ft below land-surface datum, June 23, August 7, 2003; lowest water level measured, 31.41 ft below land-surface datum, September 14, 2007.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

Date	Water level	Date	Water level
Apr 13, 2007	26.72	Jul 26, 2007	29.97
May 14	27.15	Aug 16	32.23
Jun 19	28.28	Sep 14	31.41

Highest: 26.72 Apr 13, 2007

Lowest: 32.23 Aug 16, 2007

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