



Water-Data Report 2007

353151080524603 Local number IR-159, DENR Langtree Research Station MW-6D (Bedrock well)

Piedmont and Blue Ridge crystalline-rock aquifers
Intermediate Intrusive Igneous Rock

Iredell County, NC

LOCATION.--Lat 35°31'52", long 80°52'46" referenced to North American Datum of 1983, Iredell County, NC, Hydrologic Unit 03050101, 2.5 mi northwest of Davidson, .4 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., steel cased to 43 ft, initially open hole from 43 to 400 ft. Well modified in December 2001, 4 in. PVC liner installed to 69 ft, open hole from 69 to 400 ft.

DATUM.--Land-surface datum is 765.84 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of 4-inch PVC liner, well flush mounted, 0.29 ft below land-surface datum, Dec. 1, 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, 5.60 ft below land-surface datum, March 27, 2003; lowest water level measured, 13.41 ft below land-surface datum, August 16, 2007.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

Date	Water level	Date	Water level
Apr 13, 2007	8.46	Aug 16, 2007	13.43
May 14	8.7	Sep 14	12.72
Jun 19	8.42		

Highest: 8.42 Jun 19, 2007

Lowest: 13.43 Aug 16, 2007

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