



Water-Data Report 2007

353145080524704 Local number IR-152A, DENR Langtree Research Station MW-4IA (Transition zone well)

Piedmont and Blue Ridge crystalline-rock aquifers
Saprolite

Iredell County, NC

LOCATION.--Lat 35°31'45", 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 55 ft, diameter 2 in., cased to 40 ft, screened interval from 40 to 55 ft, sand filter packed with native fill 35 to 55 ft.

DATUM.--Land-surface datum is 802.39 ft above National Geodetic Vertical Datum of 1929 (levels by NCDENR). Measuring point: top of 2-inch PVC liner, 0.69 ft above land-surface datum, March 22, 2002, to present.

PERIOD OF RECORD.--March 2002 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, 27.35 ft below land-surface datum, August 7, 2003; lowest water level measured, 36.96 ft below land-surface datum, December 17, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

Date	Water level	Date	Water level
Apr 13, 2007	31.62	Aug 16, 2007	33.03
May 14	31.49	Sep 14	33.56
Jun 19	31.76		

Highest: 31.49 May 14, 2007

Lowest: 33.56 Sep 14, 2007

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