

Water-Data Report 2008

**353148080524702 Local number IR-155, NCDENR Langtree Research Station MW-5I near Davidson, NC  
(Transition Zone)**

Piedmont and Blue Ridge crystalline-rock aquifers  
Saprolite

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 35 ft, diameter 4 in., cased to 20 ft, screened interval from 20 ft to 35 ft, sand filter packed from 18 ft to 35 ft.

DATUM.--Land-surface datum is 785.07 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of 4-inch PVC casing, 0.21 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, 16.45 ft below land-surface datum, June 23, 2003; lowest water level measured, 25.05 ft below land-surface datum, October 18, 2002.

**WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM**

Date	Water level	Date	Water level
Nov 1, 2007	23.71	May 30, 2008	23.02
28	24.08	Jun 30	23.16
Dec 20	24.32	Jul 18	23.41
Jan 29, 2008	24.67	Aug 15	23.79
Mar 28	24.05	Sep 29	23.49
Apr 21	23.44		

Highest: 23.02 May 30, 2008

Lowest: 24.67 Jan 29, 2008

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