



Water-Data Report 2008

**353141080524702 Local number IR-146, NCDENR Langtree Research Station MW-11 near Davidson, NC
(Transition Zone)**

Piedmont and Blue Ridge crystalline-rock aquifers
Saprolite

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 53 ft, diameter 4 in., cased to 38 ft, screened interval from 38 ft to 53 ft, sand filter packed from 34 ft to 53 ft.

DATUM.--Land-surface datum is 812.65 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of 4-inch PVC casing, 2.42 ft above land-surface datum, April 11, 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, 33.03 ft below land-surface datum, November 7, 2003, May 23, 2005; lowest water level measured, 41.89 ft below land-surface datum, November 22, 2002.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Nov 1, 2007	38.44	May 30, 2008	39.97
28	38.93	Jun 30	40.29
Dec 20	39.23	Jul 18	40.46
Jan 29, 2008	39.72	Aug 15	40.77
Mar 28	40.08	Sep 29	41.04
Apr 21	40.03		

Highest: 38.44 Nov 01, 2007

Lowest: 41.04 Sep 29, 2008

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