



Water-Data Report 2008

**353151080524604 Local number IR-160, NCDENR Langtree Research Station MW-6IB near Davidson, NC  
(Transition Zone)**

Piedmont and Blue Ridge crystalline-rock aquifers  
Saprolite

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 30 ft, diameter 4 in., cased to 15 ft, screened interval from 15 ft to 30 ft, sand filter packed from 12 ft to 30 ft.

DATUM.--Land-surface datum is 765.73 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of 4 in. PVC casing, 0.27 ft below land-surface datum, March 4, 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, 6.68 ft below land-surface datum, March 27, 2003; lowest water level measured, 13.19 ft below land-surface datum, November 28 and December 20, 2007.

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

Date	Water level	Date	Water level
Nov 1, 2007	12.99	May 30, 2008	8.20
28	13.19	Jun 30	9.77
Dec 20	13.19	Jul 18	9.12
Jan 29, 2008	12.56	Aug 15	9.56
Mar 28	8.52	Sep 29	9.21
Apr 21	8.38		

Highest: 8.20 May 30, 2008

Lowest: 13.19 Nov 28, 2007 Dec 20, 2007

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