

Water-Data Report 2008

**353145080524701 Local number IR-151, NCDENR Langtree Research Station MW-4IB near Davidson, NC
(Transition Zone)**

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 53 ft, diameter 4 in., cased to 38 ft, screened interval from 38 ft to 53 ft, sand filter packed with native fill 35 ft to 53 ft.

DATUM.--Land-surface datum is 802.93 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of 4 in. PVC casing, 0.03 ft below land-surface datum, March 26, 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, 27.44 ft below land-surface datum, August 7, 2003; lowest water level measured, 37.10 ft below land-surface datum, December 17, 2002.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Nov 1, 2007	34.33	May 30, 2008	36.21
28	34.77	Jun 30	36.08
Dec 20	35.07	Jul 18	36.16
Jan 29, 2008	35.59	Aug 15	35.92
Mar 28	36.33	Sep 29	36.60
Apr 21	36.46		

Highest: 34.33 Nov 01, 2007

Lowest: 36.60 Sep 29, 2008

353145080524701 Local number IR-151, NCDENR Langtree Research Station MW-4IB near Davidson, NC (Transition Zone)—Continued

