



Water-Data Report 2009

353145080524701 Local number IR-151, NCDENR LANGTREE RESEACH 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.

GROUNDWATER 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 NGVD of 1929, (levels by NCDENR). Measuring point: top of 4 in. PVC casing, 0.03 ft below land-surface datum.

PERIOD OF RECORD.--May 2001 to September 2009 (discontinued).

GAGE.--Measured periodically with steel and electric tape. (by NCDENR, Division of Water Quality, and USGS)

REMARKS.--Well is part of Piedmont/Mountains groundwater 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
Dec 9, 2008	36.70	Apr 14, 2009	35.13
Jan 13, 2009	36.58	Jun 1	34.43
Feb 25	35.79	Jul 6	33.37
Mar 30	35.40	Aug 24	33.01

Highest: 33.01 Aug 24, 2009

Lowest: 36.70 Dec 09, 2008

353145080524701 Local number IR-151, NCDENR LANGTREE RESEACH STATION MW-4IB NEAR DAVIDSON, NC (TRANSITION ZONE)—
Continued

