



Water-Data Report 2009

353145080524704 Local number IR-152A, NCDENR LANGTREE RESEARCH STATION MW-4IA 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 55 ft, diameter 2 in., cased to 40 ft, screened interval from 40 ft to 55 ft, sand filter packed with native fill 35 ft to 55 ft.

DATUM.-- Land-surface datum is 802.39 ft above NGVD of 1929, (levels by NCDENR). Measuring point: top of 2 in. PVC casing, 0.69 ft above land-surface datum.

PERIOD OF RECORD.--March 2002 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, 27.35 ft below land-surface datum, August 7, 2003; lowest water level measured, 36.96 ft below land-surface datum, December 17, 2002.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Nov 18, 2008	36.39	Apr 14, 2009	34.83
Dec 9	36.44	Jun 1	34.29
Jan 13, 2009	36.25	Jul 6	33.09
Feb 25	35.50	Aug 24	32.78
Mar 30	35.12		

Highest: 32.78 Aug 24, 2009

Lowest: 36.44 Dec 09, 2008

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