



Water-Data Report 2009

353151080524604 Local number IR-160, NCDENR LANGTREE RESEARCH STATION MW-61B 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.

GROUNDWATER 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 NGVD of 1929, (levels by NCDENR). Measuring point: top of 4 in. PVC casing, 0.27 ft below 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, 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 18, 2008	9.09	Apr 14, 2009	7.74
Dec 9	9.75	Jun 1	7.20
Jan 13, 2009	9.47	Jul 6	8.44
Feb 25	10.53	Aug 24	9.67
Mar 30	8.37		

Highest: 7.20 Jun 01, 2009

Lowest: 10.53 Feb 25, 2009

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