



Water-Data Report 2008

**355427080493702 Local number IR-174, NCDENR Allison Woods Research Station MW-4I  
(Transition/Intermediate Zone), near Turnersburg, NC**

Piedmont and Blue Ridge crystalline-rock aquifers  
Transition Zone  
Iredell County, NC

LOCATION.--Lat 35°54'27.84", long 80°49'37.10" referenced to North American Datum of 1983, Iredell County, NC, Hydrologic Unit 03040102, 1.7 mi east of U.S. Interstate 77, 0.4 mi north of U.S. Highway 21 on Allison Woods Foundation property. Owner: NCDENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

**GROUND-WATER RECORDS**

WELL CHARACTERISTICS.--Drilled observation well, depth 40 ft, diameter 4 in., cased to 30 ft, screened interval from 30 ft to 40 ft, sand filter packed from 27 ft to 40 ft.

DATUM.--Land-surface datum is 837.41 ft above North American Vertical Datum of 1988. Measuring point: mark on pvc, 2.91 ft above land-surface datum, May 12, 2006, to present.

PERIOD OF RECORD.--May 2006 to current year.

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

REMARKS.--Well is part of Piedmont/Mountains ground-water project.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.19 ft below land-surface datum, January 3, 2007; lowest water level measured, 11.55 ft below land-surface datum, July 29, 2008.

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

Date	Water level	Date	Water level
Oct 16, 2007	11.48	Apr 21, 2008	10.95
31	11.21	May 14	11.14
Nov 15	11.18	Jun 12	11.39
30	11.19	30	11.44
Dec 20	11.19	Jul 18	11.54
Jan 25, 2008	11.19	29	11.55
Feb 21	11.13	Sep 4	11.54
Mar 28	11.04		

Highest: 10.95 Apr 21, 2008

Lowest: 11.55 Jul 29, 2008

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