



Water-Data Report 2008

**355427080493001 Local number IR-183, NCDENR Allison Woods Research Station PZ-7 near Turnersburg, NC (Regolith)**

Piedmont and Blue Ridge crystalline-rock aquifers  
Regolith

Iredell County, NC

LOCATION.--Lat 35°54'27.98", long 80°49'30.36" 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 39 ft, diameter 4 in., cased to 34 ft, screened interval from 34 ft to 39 ft, sand filter packed from 21 ft to 39 ft.

DATUM.--Land-surface datum is 870.04 ft above North American Vertical Datum of 1988. Measuring point: divot on outer steel protective casing, 3.14 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, 24.12 ft below land-surface datum, June 1, 2007; lowest water level measured, 29.20 ft below land-surface datum, September 4, 2008.

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

Date	Water level	Date	Water level
Oct 16, 2007	27.01	Apr 21, 2008	28.11
31	27.30	May 14	28
Nov 15	27.5	Jun 12	28.21
30	27.72	30	28.44
Dec 20	27.86	Jul 18	28.61
Jan 25, 2008	28.19	29	28.75
Feb 21	28.28	Sep 4	29.20
Mar 28	28.26		

Highest: 27.01 Oct 16, 2007

Lowest: 29.20 Sep 04, 2008

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