



Water-Data Report 2008

355426080493401 Local number IR-177, NCDENR Allison Woods Research Station PZ-1 near Turnersburg, NC (Regolith)

Piedmont and Blue Ridge crystalline-rock aquifers
Regolith

Iredell County, NC

LOCATION.--Lat 35°54'26.16", long 80°49'34.41" 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 13.6 ft, diameter 4 in., cased to 8.6 ft, screened interval from 8.6 ft to 13.6 ft, sand filter packed from 6 ft to 13.5 ft.

DATUM.--Land-surface datum is 843.38 ft above North American Vertical Datum of 1988. Measuring point: divot of outer steel protective casing, 1.20 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, 8.97 ft below land-surface datum, January 3, 2007; lowest water level measured, 12.90 ft below land-surface datum, October 31, 2007.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Oct 16, 2007	12.89	Mar 28, 2008	11.8
31	12.90	Apr 21	11.55
Nov 15	12.48	May 14	11.94
30	12.42	Jun 12	12.44
Dec 20	12.35	Jul 29	12.84
Jan 25, 2008	12.22	Sep 4	12.77
Feb 21	12.02		

Highest: 11.55 Apr 21, 2008

Lowest: 12.90 Oct 31, 2007

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