

Water-Data Report 2008

355426080492201 Local number IR-180, NCDENR Allison Woods Research Station PZ-4 near Turnersburg, NC (Regolith)

Piedmont and Blue Ridge crystalline-rock aquifers
Regolith

Iredell County, NC

LOCATION.--Lat 35°54'26.99", long 80°49'22.83" 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 38 ft, diameter 4 in., cased to 33 ft, screened interval from 33 ft to 38 ft, sand filter packed from 26 ft to 38 ft.

DATUM.--Land-surface datum is 888.61 ft above North American Vertical Datum of 1988. Measuring point: DIVOT on outer steel protective casing, 2.76 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, 32.72 ft below land-surface datum, May 12, 2006; lowest water level measured, 37.27 ft below land-surface datum, May 14, 2008. Well dry June through September 2008.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Oct 16, 2007	34.19	Apr 21, 2008	37.01
31	34.46	May 14	37.27
Nov 15	34.67	Jun 12	Dry
30	35.04	30	Dry
Dec 20	35.33	Jul 18	Dry
Jan 25, 2008	35.96	29	Dry
Feb 21	36.26	Sep 4	Dry
Mar 28	36.69		

Highest: 34.19 Oct 16, 2007

Lowest: 37.27 May 14, 2008

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