

Water-Data Report 2008

355422080492501 Local number IR-178, NCDENR Allison Woods Research Station PZ-2 near Turnersburg, NC (Regolith)

Piedmont and Blue Ridge crystalline-rock aquifers
Regolith

Iredell County, NC

LOCATION.--Lat 35°54'22.86", long 80°49'25.56" 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 24 ft, diameter 4 in., cased to 19 ft, screened interval from 19 ft to 24 ft, sand filter packed from 9 ft to 24 ft.

DATUM.--Land-surface datum is 871.76 ft above North American Vertical Datum of 1988. Measuring point: divot on pvc, 2.45 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, 15.85 ft below land-surface datum, April 24, 2007; lowest water level measured, 20.83 ft below land-surface datum, July 18, 2008.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Oct 16, 2007	20.06	Mar 28, 2008	19.76
31	20.33	Apr 21	19.15
Nov 15	20.5	May 14	19.23
30	20.61	Jun 12	19.84
Dec 20	20.68	30	20.34
Jan 25, 2008	20.71	Jul 18	20.83
Feb 21	20.36	29	21.02

Highest: 19.15 Apr 21, 2008

Lowest: 21.02 Jul 29, 2008

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