



Water-Data Report 2007

**355426080492201 Local number IR-180, Allison Woods Research Station PZ-4 (Saprolitic Mafic Gneiss)**

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 37.9 ft, diameter 1 in., cased to 32.9 ft, screened interval from 32.9 ft to 37.9 ft, sand filter packed from 26 ft to 37.9 ft.

DATUM.--Land-surface datum is 890 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 groundwater project.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 32.72 ft below land-surface datum, May 12, 2006; lowest water level measured, 35.37 ft below land-surface datum, February 8, 2007.

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

<b>Date</b>	<b>Water level</b>	<b>Date</b>	<b>Water level</b>
Oct 12, 2006	34.10	Jun 1, 2007	33.27
Nov 27	34.84	12	33.04
Jan 3, 2007	35.20	Jul 9	32.8
Feb 8	35.37	Aug 14	33.06
Mar 5	35.32	30	33.31
Apr 5	34.75	Sep 27	33.79
24	34.31		

Highest: 32.8 Jul 09, 2007

Lowest: 35.37 Feb 08, 2007

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