



Water-Data Report 2007

**355426080493401 Local number IR-177, DENR Allison Woods Research Station PZ-1 (Saprolitic Mafic Gneiss)**

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 1 in., cased to 8.6 ft, screened interval from 8.6 ft to 13.6 ft, sand filter packed from 6 ft to 13.6 ft.

DATUM.--Land-surface datum is 830 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 groundwater project.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.97 ft below land-surface datum, January 3, 2007; lowest water level measured, 12.76 ft below land-surface datum, August 30 and September 27, 2007.

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

Date	Water level	Date	Water level
Oct 12, 2006	11.97	May 18, 2007	11.42
Nov 27	10.90	Jun 1	11.77
Jan 3, 2007	8.97	12	11.86
Feb 8	11.34	Jul 9	12.16
Mar 5	9.53	Aug 14	12.71
Apr 5	11.10	30	12.76
24	10.74	Sep 27	12.76

Highest: 8.97 Jan 03, 2007

Lowest: 12.76 Aug 30, 2007 Sep 27, 2007

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