



Water-Data Report 2007

355422080492501 Local number IR-178, DENR Allison Woods Research Station PZ (Saprolitic Mafic Gneiss)

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 1 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 880 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 groundwater project.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.85 ft below land-surface datum, April 24, 2007; lowest water level measured, 19.60 ft below land-surface datum, September 27, 2007.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

Date	Water level	Date	Water level
Oct 12, 2006	19.03	May 18, 2007	15.89
Nov 27	18.37	Jun 1	16.17
Jan 3, 2007	17.67	12	16.56
Feb 8	16.89	Jul 9	17.37
Mar 5	16.64	Aug 14	18.45
Apr 5	15.88	30	18.87
24	15.85	Sep 27	19.6

Highest: 15.85 Apr 24, 2007

Lowest: 19.6 Sep 27, 2007

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