



Water-Data Report 2007

355427080493001 Local number IR-183, DENR Allison Woods Research Station PZ-7 (Saprolitic Mafic Gneiss)

Piedmont and Blue Ridge crystalline-rock aquifers
Regolith

Iredell County, NC

LOCATION.--Lat 35°54'27.98", long 80°49'30.36" 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 39.3 ft, diameter 1 in., cased to 34.3 ft, screened interval from 34.3 ft to 39.3 ft, sand filter packed from 21 ft to 39.3 ft.

DATUM.--Land-surface datum is 870 ft above North American Vertical Datum of 1988. Measuring point: divot on outer steel protective casing, 3.14 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, 24.12 ft below land-surface datum, June 1, 2007; lowest water level measured, 26.74 ft below land-surface datum, November 27, 2006.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

Date	Water level	Date	Water level
Oct 12, 2006	26.65	May 18, 2007	24.14
Nov 27	26.74	Jun 1	24.12
Jan 3, 2007	26.68	12	24.26
Feb 8	25.98	Jul 9	24.83
Mar 5	25.74	Aug 14	25.57
Apr 5	25.01	30	25.95
24	24.62	Sep 27	26.59

Highest: 24.12 Jun 01, 2007

Lowest: 26.74 Nov 27, 2006

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