



Water-Data Report 2007

355429080492501 Local number IR-188, DENR Allison Woods Research Station PZ-12 (Saprolitic Mafic Gneiss)

Piedmont and Blue Ridge crystalline-rock aquifers
Regolith

Iredell County, NC

LOCATION.--Lat 35°54'29.35", long 80°49'25.09" 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 38.5 ft, diameter 1 in., cased to 33.5 ft, screened interval from 33.5 ft to 38.5 ft, sand filter packed from 29 to 38.5 ft.

DATUM.--Land-surface datum is 890 ft above North American Vertical Datum of 1988. Measuring point: divot on outer steel protective casing, 2.78 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.--Dry well for period of record.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

[Measurement method: T, electric tape. Water-level status: D, site was dry (no water level was recorded).]

Date	Water level	Measure-ment method	Water level status	Date	Water level	Measure-ment method	Water level status
Oct 12, 2006		T	D	May 18, 2007		T	D
Nov 27		T	D	Jun 1		T	D
Jan 3, 2007		T	D	12		T	D
Feb 8		T	D	Jul 9		T	D
Mar 5		T	D	Aug 14		T	D
Apr 5		T	D	30		T	D
24		T	D	Sep 27		T	D