



Water-Data Report 2007

355429080492301 Local number IR-161, DENR Allison Woods Research Station MW-1S (Regolith well)

Piedmont and Blue Ridge crystalline-rock aquifers
Regolith

Iredell County, NC

LOCATION.--Lat 35°54'29", long 80°49'23" 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.--Depth 35 ft. Upper casing diameter 4.00 in, top of first opening 20 ft, bottom of last opening 35 ft. Drilled observation well, depth 35 ft, diameter 4 in., cased to 20 ft, screened interval from 20 ft to 35 ft, sand filter packed from 18 ft to 35 ft.

DATUM.--Land-surface datum is 900 ft above North American Vertical Datum of 1988. Measuring point: Divot on outer steel protective casing., 3.08 ft above land-surface datum, May 12, 2006, to present. Measuring point: Top of protective steel casing, 3.08 ft above land-surface datum.

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

Highest: --

Lowest: --