

Water-Data Report 2008

355428080493006 Local number IR-184, NCDENR Allison Woods Research Station PZ-8 near Turnersburg, NC (Regolith)

Piedmont and Blue Ridge crystalline-rock aquifers
Regolith

Iredell County, NC

LOCATION.--Lat 35°54'28.65", long 80°49'30.50" 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 29 ft, diameter 4 in., cased to 24 ft, screened interval from 24 ft to 29 ft.

DATUM.--Land-surface datum is 871.33 ft above North American Vertical Datum of 1988. Measuring point: divot on outer steel protective casing, 2.02 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 ground-water project.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.35 ft below land-surface datum, June 1, 2007; lowest water level measured, 28.07 ft below land-surface datum, November 27, 2006 and October 16, 2007. Dry well from January 2008 to current year.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

[Measurement method: T, electric tape. Water-level status: --, static; 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 16, 2007	28.07	T	--	Jun 12, 2008		T	D
31	28.08	T	--	30		T	D
Jan 25, 2008		T	D	Jul 18		T	D
Mar 28		T	D	29		T	D
Apr 21		T	D	Sep 4		T	D
May 14		T	D				

Highest: 28.07 Oct 16, 2007

Lowest: 28.08 Oct 31, 2007

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