



Water-Data Report 2009

355429080492801 Local number IR-185, NCDENR ALLISON WOODS RESEARCH STATION, PZ-9, NEAR TURNERSBURG, NC (SAPROLITIC MAFIC GNEISS)

Piedmont and Blue Ridge crystalline-rock aquifers
Regolith

Iredell County, NC

LOCATION.--Lat 35°54'29.78", long 80°49'28.06" 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.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 37.1 ft. Upper casing diameter 1.00 in; top of first opening 32.1 ft, bottom of last opening 37.1 ft. [REPLACE AUTOGENERATED TEXT]Drilled observation well, depth 37 ft, diameter 4 in., cased to 32 ft, screened interval from 32 ft to 37 ft.

DATUM.--Land-surface datum is 881.08 ft above North American Vertical Datum of 1988. Measuring point: divot on outer steel protective casing, 2.26 ft above land-surface datum, May 12, 2006, to present.

PERIOD OF RECORD.--May 2006 to September 2009 (discontinued).

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, 27.60 ft below land-surface datum, June 1, 12, 2007; lowest water level measured, 34.98 ft below land-surface datum, March 16, 2009.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Oct 13, 2008	33.62	Mar 16, 2009	34.98
Nov 13	33.82	Apr 27	34.82
Dec 9	34.08	Jun 30	33.93
Jan 23, 2009	34.72	Aug 13	33.39
Feb 6	34.67	Sep 30	33.62
25	34.83		

Highest: 33.39 Aug 13, 2009

Lowest: 34.98 Mar 16, 2009

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