



Water-Data Report 2009

355427080493702 Local number IR-174, NCDENR ALLISON WOODS RESEARCH STATION, MW-4I, NEAR TURNERSBURG, NC (TRANSITION/INTERMEDIATE ZONE)

Piedmont and Blue Ridge crystalline-rock aquifers
Transition Zone
Iredell County, NC

LOCATION.--Lat 35°54'27.84", long 80°49'37.10" 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.--Drilled observation well, depth 40 ft, diameter 4 in., cased to 30 ft, screened interval from 30 ft to 40 ft, sand filter packed from 27 ft to 40 ft.

DATUM.--Land-surface datum is 837.41 ft above North American Vertical Datum of 1988. Measuring point: mark on pvc, 2.91 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, 10.19 ft below land-surface datum, January 3, 2007; lowest water level measured, 11.55 ft below land-surface datum, July 29, 2008.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Oct 13, 2008	11.44	Mar 16, 2009	10.77
Nov 13	11.41	Apr 27	10.99
Dec 9	11.43	Jun 30	11.06
Jan 23, 2009	11.24	Aug 13	11.36
Feb 6	11.3	Sep 30	11.44
25	11.26		

Highest: 10.77 Mar 16, 2009

Lowest: 11.44 Oct 13, 2008 Sep 30, 2009

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