Water-Data Report 2008

355427080492701 Local number IR-181, NCDENR Allison Woods Research Station PZ-5 near Turnersburg, NC (Regolith)

Piedmont and Blue Ridge crystalline-rock aquifers
Regolith

Iredell County, NC

LOCATION.--Lat 35°54'27.70", long 80°49'27.69" 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 37 ft, diameter 4 in., cased to 32 ft, screened interval from 32 ft to 37 ft, sand filter packed from 24.5 ft to 37 ft.

DATUM.--Land-surface datum is 880.27 ft above North American Vertical Datum of 1988. Measuring point: divot on outer steel protective casing, 2.85 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).

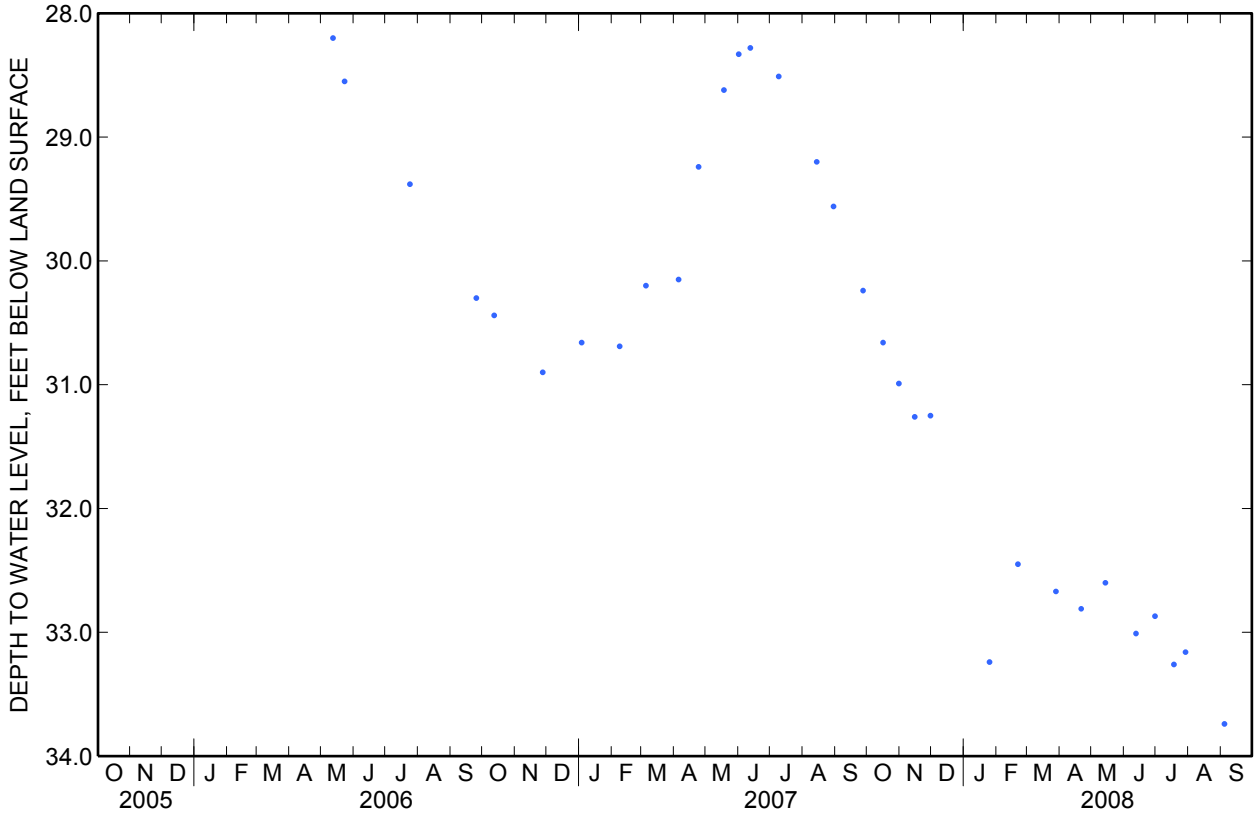
REMARKS.--Well is part of Piedmont/Mountains ground-water project.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.20 ft below land-surface datum, May 12, 2006; lowest water level measured, 33.74 ft below land-surface datum, September 4, 2008.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Oct 16, 2007	30.66	Apr 21, 2008	32.81
31	30.99	May 14	32.6
Nov 15	31.26	Jun 12	33.01
30	31.25	30	32.87
Jan 25, 2008	33.24	Jul 18	33.26
Feb 21	32.45	29	33.16
Mar 28	32.67	Sep 4	33.74

Highest: 30.66 Oct 16, 2007

Lowest: 33.74 Sep 04, 2008

355427080492701 Local number IR-181, NCDENR Allison Woods Research Station PZ-5 near Turnersburg, NC (Saprolitic Mafic Gneiss)—Continued