Water-Data Report 2008

350159083270101 Local number MA-085, NCDENR Coweeta Research Station MW-4I near Otto, NC (Transition Zone)

Piedmont and Blue Ridge crystalline-rock aquifers
Felsic Gneiss

Macon County, NC

LOCATION.--Lat 35°01'58.9", long 83°27'01.4" referenced to North American Datum of 1983, Macon County, NC, Hydrologic Unit 06010202, 3.8 mi west of U.S. Highways 441-23 on Coweeta Lab Road in Coweeta Hydrologic Laboratory, near Otto. Owner: NCDENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth 63.5 ft, diameter 4 in., cased to 42 ft, screened interval from 42 ft to 62 ft.

DATUM.--Land-surface datum is 3,798.60 ft above North American Vertical Datum of 1988. Measuring point: top of steel casing, 2.72 ft above land-surface datum, October 5, 2006, to present.

PERIOD OF RECORD.--August 2007 to current year.

GAGE.--Measured periodically with electric and steel tape (by USGS and NCDENR, Division of Water Quality).

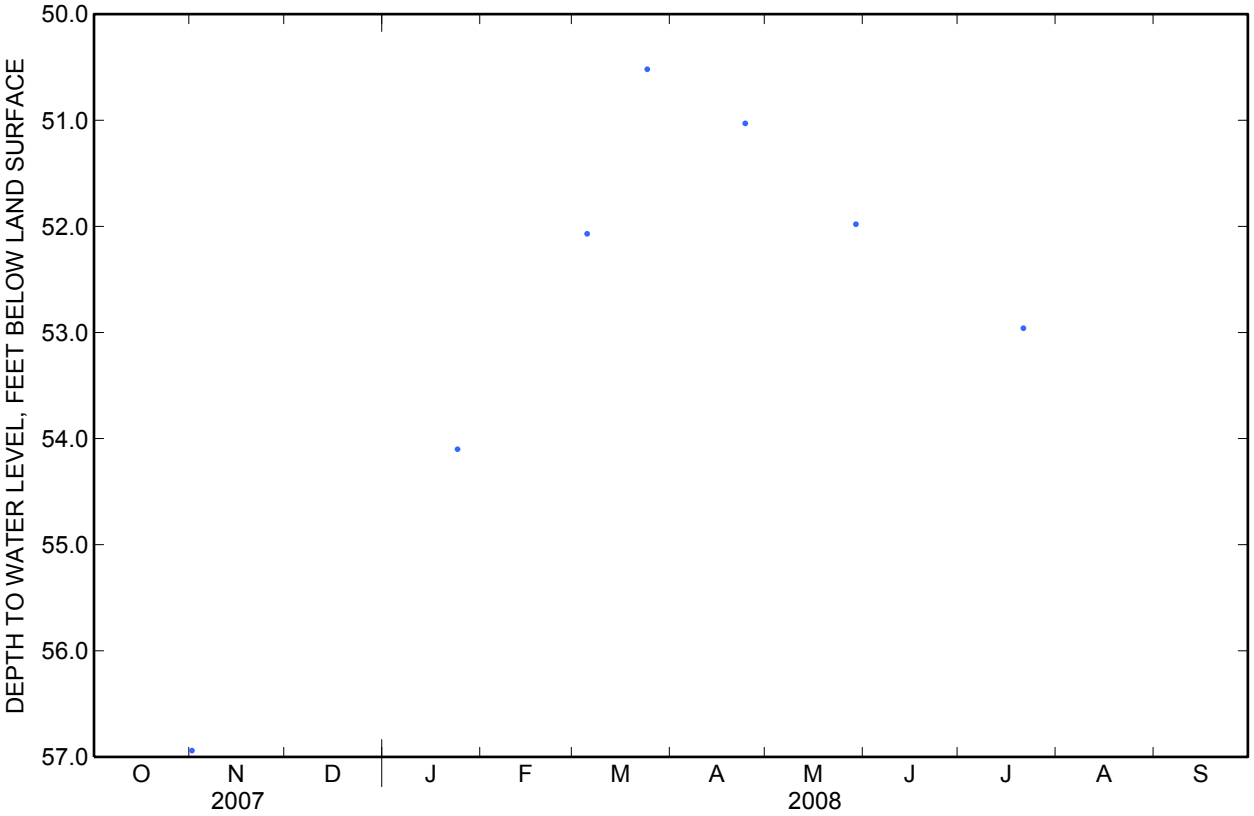
REMARKS.--Well is part of Piedmont/Mountains ground-water project.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 50.52 ft below land-surface datum, March 24, 2008; lowest water level measured, 56.94 ft below land-surface datum, November 1, 2007.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Nov 1, 2007	56.94	Apr 24, 2008	51.03
Jan 24, 2008	54.10	May 29	51.98
Mar 5	52.07	Jul 21	52.96
24	50.52		

Highest: 50.52 Mar 24, 2008

Lowest: 56.94 Nov 01, 2007

350159083270101 Local number MA-085, NCDENR Coweeta Research Station MW-4I near Otto, NC (Transition Zone)—Continued