Water-Data Report 2008

350159083270103 Local number MA-087, NCDENR Coweeta Research Station CH-4, near Otto, NC

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 at 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 200 ft, diameter 4 in., cased to 62 ft, open hole from 62 ft to 200 ft.

DATUM.--Land-surface datum is 3,800.3 ft above North American Vertical Datum of 1988. Measuring point: top of steel casing, 2.59 ft above land-surface datum.

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

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

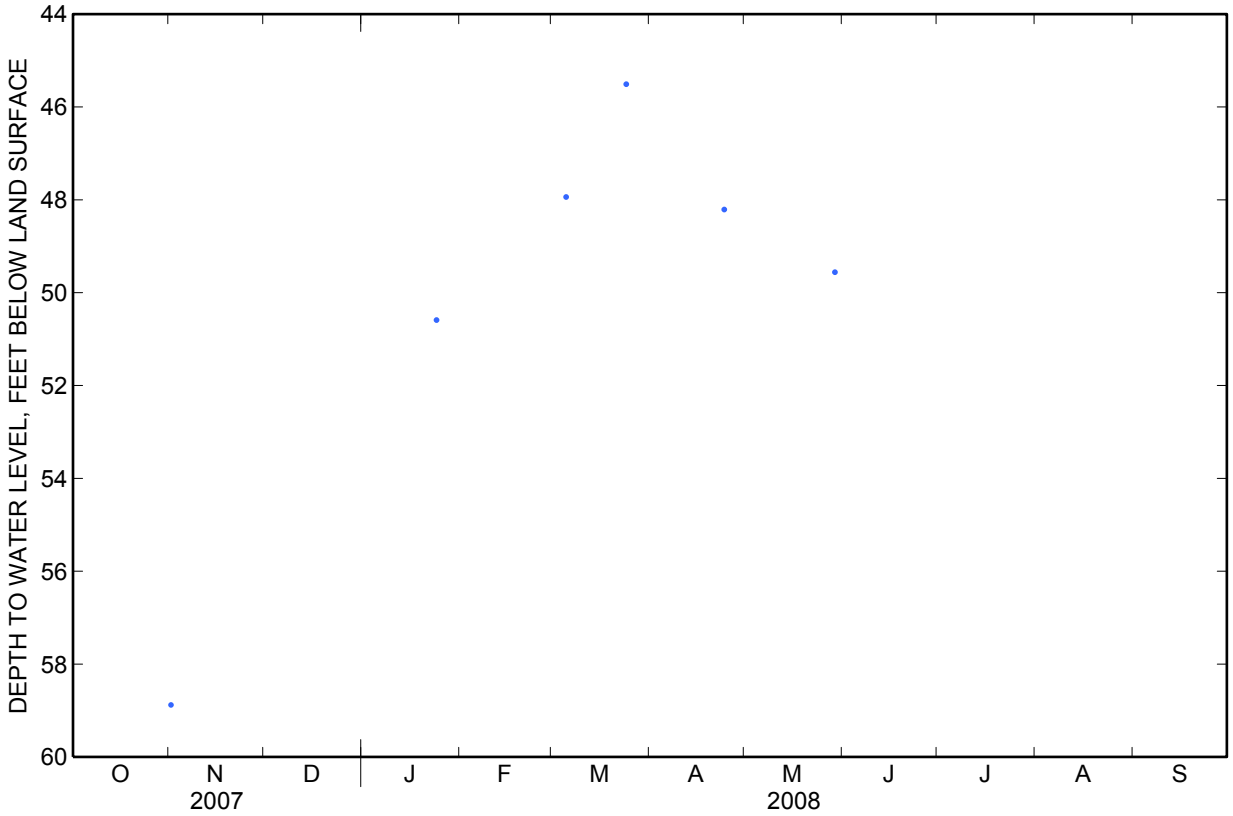
REMARKS.--Well is part of Piedmont/Mountains ground-water project.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 45.51 ft below land-surface datum, March 24, 2008; lowest water level measured, 58.88 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	58.88	Mar 24, 2008	45.51
Jan 24, 2008	50.59	Apr 24	48.21
Mar 5	47.94	May 29	49.56

Highest: 45.51 Mar 24, 2008

Lowest: 58.88 Nov 01, 2007

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