350337083254401 Local number MA-072, NCDENR Coweeta Research Station MW-1S near Otto, NC (Regolith)

Piedmont and Blue Ridge crystalline-rock aquifers
Felsic Gneiss

Macon County, NC

LOCATION.--Lat 35°03'36.2", long 83°25'43.8" referenced to North American Datum of 1983, Macon County, NC, Hydrologic Unit 06010202, 3.0 mi west of U.S. Highway 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 22 ft, diameter 4 in., cased to 8 ft, screened interval from 8 ft to 18 ft.

DATUM.--Land-surface datum is 2,231.01 ft above North American Vertical Datum of 1988. Measuring point: top of steel casing, 3.05 ft above land-surface datum, July 24, 2007, 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).

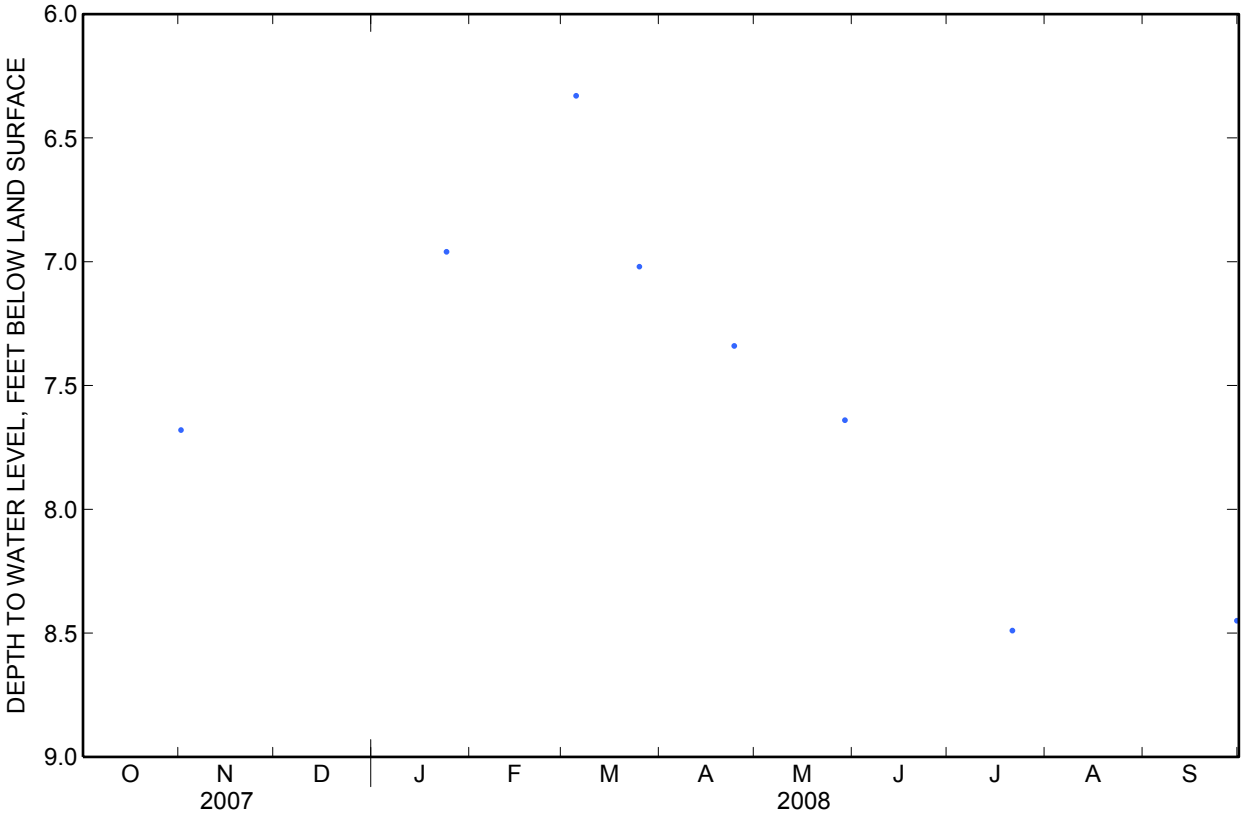
REMARKS.--Well is part of Piedmont/Mountains ground-water project.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.33 ft below land-surface datum, March 5, 2008; lowest water level measured, 8.49 ft below land-surface datum, July 21, 2008.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Nov 1, 2007	7.68	Apr 24, 2008	7.34
Jan 24, 2008	6.96	May 29	7.64
Mar 5	6.33	Jul 21	8.49
25	7.02	Sep 30	8.45

Highest: 6.33 Mar 05, 2008

Lowest: 8.49 Jul 21, 2008

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