

Water-Data Report 2008

350243083264503 Local number MA-080, NCDENR Coweeta Research Station CH-2 near Otto, NC

Piedmont and Blue Ridge crystalline-rock aquifers

Felsic Gneiss

Macon County, NC

LOCATION.--Lat 35°02'43.2", long 83°26'44.7" referenced to North American Datum of 1983, Macon County, NC, Hydrologic Unit 06010202, 3.5 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 14 ft, open hole from 14 ft to 200 ft.

DATUM.--Land-surface datum is 2,749.85 ft above North American Vertical Datum of 1988. Measuring point: top of steel casing, 3.13 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, 3.88 ft below land-surface datum, April 24, 2008; lowest water level measured, 4.57 ft below land-surface datum, September 30, 2008.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Nov 1, 2007	4.53	Apr 24, 2008	3.88
Jan 24, 2008	3.91	May 29	4.31
Mar 5	3.89	Jul 21	4.52
6	3.99	Sep 30	4.57
25	4.05		

Highest: 3.88 Apr 24, 2008

Lowest: 4.57 Sep 30, 2008

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