

Water-Data Report 2008

350238083265902 Local number MA-082, NCDENR Coweeta Research Station, MW-3PI, near Otto, NC

Piedmont and Blue Ridge crystalline-rock aquifers

Felsic Gneiss

Macon County, NC

LOCATION.--Lat 35°02'37.8", long 83°26'58.7" referenced to North American Datum of 1983, Macon County, NC, Hydrologic Unit 06010202, 4.8 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 40 ft, diameter 2 in., cased to 33 ft, screened interval from 33 ft to 38 ft.

DATUM.--Land-surface datum is 2,825.62 ft above North American Vertical Datum of 1988. Measuring point: top of protective steel casing, 2.82 ft above land-surface datum, September 12, 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, 15.50 ft below land-surface datum, March 6, 2008; lowest water level measured, 18.88 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		18.61	Mar 25, 2008		16.29
Jan 24, 2008		16.99	Apr 24		17.23
Mar 5		15.98	May 29		17.64
6		15.50	Sep 30		18.88

Highest: 15.50 Mar 06, 2008

Lowest: 18.88 Sep 30, 2008

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