

**350243083264501 Local number MA-078, NCDENR Coweeta Research Station MW-21 near Otto, NC
(Transition Zone)**

Piedmont and Blue Ridge crystalline-rock aquifers
Felsic Gneiss

Macon County, NC

LOCATION.--Lat 35°02'43.6", long 83°26'45" referenced to North American Datum of 1983, Macon County, NC, Hydrologic Unit 06010202, 4.5 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 20.5 ft, diameter 4 in., cased to 8 ft, screened interval from 10 ft to 19 ft.

DATUM.--Land-surface datum is 2,750.27 ft above North American Vertical Datum of 1988. Measuring point: top of steel casing, 3.27 ft above land-surface datum, August 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, 2.31 ft below land-surface datum, March 6, 2008; lowest water level measured, 3.21 ft below land-surface datum, August 27, 2007.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Nov 1, 2007	2.91	Apr 24, 2008	2.58
Jan 24, 2008	2.63	May 29	2.84
Mar 5	2.45	Jul 21	3.05
6	2.31	Sep 30	3.03
25	2.41		

Highest: 2.31 Mar 06, 2008

Lowest: 3.05 Jul 21, 2008

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