



Water-Data Report 2009

350159083270102 Local number MA-086, NCDENR COWEETA RESEARCH STATION MW-4D NEAR OTTO, NC (BEDROCK)

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.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth 600 ft, diameter 6 in., cased to 69.5 ft, open hole from 69.5 ft to 600 ft.

DATUM.--Land-surface datum is 3,800.01 ft above NGVD of 1988. Measuring point: top of steel casing, 2.73 ft above land-surface datum.

PERIOD OF RECORD.--August 2007 to September 2009 (discontinued).

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

REMARKS.--Well is part of Piedmont/Mountains groundwater project.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 210.07 ft below land-surface datum, August 30, 2007; lowest water level measured, 221.48 ft below land-surface datum, September 4, 2009.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Jul 1, 2009		Sep 4, 2009	221.48
Aug 3	221.40		

Highest: 221.40 Aug 03, 2009

Lowest: 221.48 Sep 04, 2009

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