



Water-Data Report 2009

**350238083265903 Local number MA-083, NCDENR COWEETA RESEARCH STATION, MW-3D, NEAR OTTO, NC (BEDROCK)**

Piedmont and Blue Ridge crystalline-rock aquifers  
Felsic Gneiss  
Macon County, NC

LOCATION.--Lat 35°02'37.5", long 83°26'59.2" 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, NC. Owner: NCDENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

**GROUNDWATER RECORDS**

WELL CHARACTERISTICS.--Drilled observation well, depth 220 ft, diameter 6 in., cased to 61 ft, open hole from 61 to 220 ft.

DATUM.--Land-surface datum is 2,830.10 ft above NGVD of 1988. Measuring point: Top of protective steel casing, 3.03 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, 17.59 ft below land-surface datum, March 6, 2008; lowest water level measured, 20.77 ft below land-surface datum, September 30, 2008.

**WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM**

<b>Date</b>	<b>Water level</b>	<b>Date</b>	<b>Water level</b>
Nov 20, 2008	20.72	May 28, 2009	18.91
Dec 19	18.44	Jul 1	19.83
Feb 8, 2009	19.63	Aug 3	20.31
Mar 19	19.10	Sep 4	20.62
Apr 24	18.61		

Highest: 18.44 Dec 19, 2008

Lowest: 20.72 Nov 20, 2008

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