



Water-Data Report 2009

**350337083254401 Local number MA-072, NCDENR COWEETA RESEARCH STATION, MW-1S, NEAR OTTO, NC (REGOLITH)**

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

LOCATION.--Lat 35°03'36.2", long 83°25'43.8" referenced to North American Datum of 1983, Macon County, NC, Hydrologic Unit 06010202, 3.0 mi west of U.S. Highway 441-23 on Coweeta Lab Road in 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 22 ft, diameter 4 in., cased to 8 ft, screened interval from 8 ft to 18 ft.

DATUM.--Land-surface datum is 2,231.01 ft above NGVD of 1988. Measuring point: top of steel casing, 3.05 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, 6.33 ft below land-surface datum, March 5, 2008; lowest water level measured, 8.49 ft below land-surface datum, July 21, 2008.

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

Date	Water level	Date	Water level
Nov 20, 2008	7.66	May 28, 2009	6.55
Dec 19	6.86	Jul 1	7.81
Feb 8, 2009	7.48	Aug 3	7.61
Mar 19	6.98	Sep 4	7.54
Apr 24	7.06		

Highest: 6.55 May 28, 2009

Lowest: 7.81 Jul 01, 2009

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