



Water-Data Report 2009

350337083254403 Local number MA-074, NCDENR COWEETA RESEARCH STATION, MW-1D, NEAR OTTO, NC (BEDROCK)

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

LOCATION.--Lat 35°03'37.2", long 83°25'44" referenced to North American Datum of 1983, Macon County, NC, Hydrologic Unit 06010202, 3.0 mi west of U.S. Highways 441-23 on Coweeta Lab Road at Coweeta Hydrologic Laboratory. Owner: NCDENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth 291 ft, diameter 6 in., cased to 52 ft, open hole from 52 to 291 ft.

DATUM.--Land-surface datum is 2,230.40 ft above NGVD of 1988. Measuring point: Top of protective steel casing, 3.22 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, 6.38 ft below land-surface datum, March 5, 2008; lowest water level measured, 8.28 ft below land-surface datum, July 21, 2008.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Feb 8, 2009	7.43	Jul 1, 2009	7.68
Mar 19	7.03	Aug 3	7.53
Apr 24	7.02	Sep 4	7.51
May 28	6.71		

Highest: 6.71 May 28, 2009

Lowest: 7.68 Jul 01, 2009

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