



Water-Data Report 2009

350337083254404 Local number MA-075, NCDENR COWEETA RESEARCH STATION, CH-1, NEAR OTTO, NC (BEDROCK)

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

LOCATION.--Lat 35°03'35.9", long 83°25'43.3" 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 108 ft, diameter 4 in., cased to 50 ft, open hole from 50 to 108 ft.

DATUM.--Land-surface datum is 2,231.01 ft above NGVD of 1988. Measuring point: Top of protective steel casing, 2.82 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, 7.71 ft below land-surface datum, March 5, 2008; lowest water level measured, 9.45 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	8.82	Jul 1, 2009	9.01
Dec 19	8.21	Aug 3	8.87
Mar 19, 2009	8.37	Sep 4	8.83
May 28	8.02		

Highest: 8.02 May 28, 2009
Lowest: 9.01 Jul 01, 2009

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