



Water-Data Report 2009

350243083264503 Local number MA-080, NCDENR COWEETA RESEARCH STATION, CH-2, NEAR OTTO, NC (BEDROCK)

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

LOCATION.--Lat 35°02'43.2", long 83°26'44.7" referenced to North American Datum of 1983, Macon County, NC, Hydrologic Unit 06010202, 3.5 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 200 ft, diameter 4 in., cased to 14 ft, open hole from 14 ft to 200 ft.

DATUM.--Land-surface datum is 2,749.85 ft above NGVD of 1988. Measuring point: top of steel casing, 3.13 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, 3.88 ft below land-surface datum, April 24, 2008; lowest water level measured, 4.57 ft below land-surface datum, September 30, 2008.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Nov 20, 2008	4.52	May 28, 2009	4.13
Dec 19	4.26	Jul 1	4.39
Feb 8, 2009	4.36	Aug 3	4.47
Mar 19	4.26	Sep 4	4.56
Apr 24	4.08		

Highest: 4.08 Apr 24, 2009

Lowest: 4.56 Sep 04, 2009

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