



Water-Data Report 2009

350159083270103 Local number MA-087, NCDENR COWEETA RESEARCH STATION CH-4, NEAR OTTO, NC (BEDROCK)

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

LOCATION.--Lat 35°01'58.9", long 83°27'01.4" referenced to North American Datum of 1983, Macon County, NC, Hydrologic Unit 06010202, 3.8 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 62 ft, open hole from 62 ft to 200 ft.

DATUM.--Land-surface datum is 3,800.30 ft above NGVD of 1988. Measuring point: top of steel casing, 2.59 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, 45.51 ft below land-surface datum, March 24, 2008; lowest water level measured, 58.88 ft below land-surface datum, November 1, 2007.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Feb 8, 2009	48.86	Jul 1, 2009	49.14
Mar 19	49.03	Aug 3	51.86
Apr 24	46.27	Sep 4	56.38
May 28	47.61		

Highest: 46.27 Apr 24, 2009

Lowest: 56.38 Sep 04, 2009

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