



Water-Data Report 2010

345051078012103 Local number DU-134 (NC-224) NCDENR ROSE HILL RESEARCH STATION, V32v3

Castle Hayne aquifer
Castle Hayne Limestone
Duplin County, NC

LOCATION.--Lat 34°50'51", long 78°01'21" referenced to North American Datum of 1927, Duplin County, NC, Hydrologic Unit 03030007, 1.5 mi north of Rose Hill at Rose Hill-Magnolia Elementary School, east of U.S. Highway 117 on Secondary Road 1911. Owner: NCDENR (North Carolina Department of Environment and Natural Resources).

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth 46 ft, diameter 4 in., screened interval from 36 to 46 ft.

DATUM.--Land-surface datum is 84.42 ft above National Geodetic Vertical Datum of 1929 (from topographic map). Measuring point: Top of cut casing, 1.22 ft above land-surface datum.

PERIOD OF RECORD.--April 1982 to November 1987; August 2000 to November 2004; April 2007 to current year. Continuous record August 2000 to September 2004.

REVISED RECORDS.--WDR-NC-02-2: 2001 daily water levels.

GAGE.--Measured periodically with steel and electric tape.

REMARKS.--Measured periodically in 2010 as part of the National Water Quality Assessment (NAWQA) program.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 4.03 ft below land-surface datum, March 22, 2001; lowest water level recorded, 16.04 ft below land-surface datum, August 24, 2002.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level
May 26, 2010	12.02

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