



Water-Data Report 2011

341346077522601 Local number NH-526, CASTLE HAYNE MAJOR AQUIFER STUDY SITE 4 AT WILMINGTON, NC

Castle Hayne aquifer
Castle Hayne Limestone

New Hanover County, NC

LOCATION.--Lat 34°13'46", long 77°52'26" referenced to North American Datum of 1983, New Hanover County, NC, Hydrologic Unit 03030007, .17 mi east of College Road at Wilmington.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 72.38 ft. Upper casing diameter 2 in; top of first opening 62.38 ft, bottom of last opening 72.38 ft.

DATUM.--Land-surface datum is 42.5 ft above National Geodetic Vertical Datum of 1929. Measuring point: 1.5 ft below land-surface datum, April 27, 2007 to April 26, 2010; 0.1 ft below land-surface datum, April 21, 2011 to present.

PERIOD OF RECORD.--February 2003 to September 2005, April 2007 to current year.

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

REMARKS.--Well measured as part of the National Water Quality Assessment (NAWQA) program.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.29 ft below land-surface datum, July 28, 2009; lowest water level measured, 9.48 ft below land-surface datum, April 27, 2007.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level
Apr 21, 2011	7.94

