



Water-Data Report 2009

342610077371401 Local number PE-095, CASTLE HAYNE MAJOR AQUIFER STUDY SITE 13 NEAR HAMPSTEAD, NC

Castle Hayne aquifer
Castle Hayne Formation
Pender County, NC

LOCATION.--Lat 34°26'10.6", long 77°37'15.3" referenced to North American Datum of 1983, Pender County, NC, Hydrologic Unit 03030001, .47 mi east of U.S. Highway 17/North Carolina Highway 210 and 6.86 mi northeast of Hampstead.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 105 ft. Upper casing diameter 4.0 in; top of first opening 75 ft, bottom of last opening 105 ft.

DATUM.--Land-surface datum is 44 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of sanitary seal on 4 in. PVC casing, 1.25 ft above land-surface datum, September 11, 2002, to present.

PERIOD OF RECORD.--September 2002, November 2004 to August 2005, April 2007 to July 2008, July 2009.

GAGE.--Measured periodically with steel tape.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.29 ft below land-surface datum, June 7, 2005; lowest water level measured, 12.06 ft below land-surface datum, July 2, 2008.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level
Jul 28, 2009	9.69

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