



Water-Data Report 2010

343308077484501 Local number PE-097, CASTLE HAYNE MAJOR AQUIFER STUDY SITE 10 NEAR HOLLY SHELTER SWAMP NEAR WALKERS, NC

Castle Hayne aquifer
Castle Hayne Limestone
Pender County, NC

LOCATION.--Lat 34°33'08", long 77°48'45" referenced to North American Datum of 1983, Pender County, NC, Hydrologic Unit 03030007, on Secondary Road 1520 near Holly Shelter Swamp, 2.47 mi west of Walkers.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 59.15 ft. Upper casing diameter 5.0 in; top of first opening 59 ft, bottom of last opening 59.15 ft.

DATUM.--Land-surface datum is 36 ft above National Geodetic Vertical Datum of 1929. Measuring point: .75 ft above land-surface datum, October 25, 2004, to present.

PERIOD OF RECORD.--October 2002, October 2004 to September 2005, April 2007 to current year.

GAGE.--Measured periodically with steel tape.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.48 ft below land-surface datum, April 27, 2007; lowest water level measured, 30.82 ft below land-surface datum, May 2, 2005.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

| Date | Water level |
|--------------|--------------------|
| Apr 26, 2010 | 25.15 |

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