



Water-Data Report 2010

**344323076451301 Local number CT-153 (NC-139) NCDENR CAMP GLENN RESEARCH STATION X17j5 AT MOREHEAD CITY, NC**

Castle Hayne aquifer  
Castle Hayne Limestone  
Carteret County, NC

LOCATION.--Lat 34°43'24", long 76°45'12" referenced to North American Datum of 1983, Carteret County, NC, Hydrologic Unit 03020106, on west edge of Morehead City, and south of U.S. Highway 70 at NCDENR Marine Fisheries Facility on north shore of Bogue Sound. Owner: NCDENR (North Carolina Department of Environment and Natural Resources).

**GROUNDWATER RECORDS**

WELL CHARACTERISTICS.--Drilled observation well, drilled to 238 ft, diameter 4 in., cased to 180 ft, open hole to 191 ft, hole collapsed from 191 to 238 ft.

DATUM.--Land-surface datum is 8.72 ft above National Geodetic Vertical Datum of 1929 (levels by NCDENR). Measuring point: Top of collar on casing, 2.85 ft above land-surface datum.

PERIOD OF RECORD.--January 1976 to current year. Continuous record January 1976 to June 2005.

GAGE.--Measured periodically with electric tape.

REMARKS.--Well is part of areal-effects network. Water levels influenced by nearby tidal fluctuations.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 4.23 ft below land-surface datum, December 7, 1976; lowest water level measured, 15.00 ft below land-surface datum, May 30, 2008.

**WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM**

<b>Date</b>	<b>Water level</b>
Apr 20, 2010	9.48

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