



Water-Data Report 2011

**383809077053401 Local number CH Bc 78**

Northern Atlantic Coastal Plain aquifer system  
Patuxent Formation

Charles County, MD

LOCATION.--Lat 38°38'09", long 77°05'34" referenced to North American Datum of 1927, Charles County, MD, Hydrologic Unit 02070011, at South Hampton subdivision, Indian Head.

**GROUNDWATER RECORDS**

WELL CHARACTERISTICS.--Depth 800 ft. Upper casing diameter 10 in; top of first opening 675 ft, bottom of last opening 790 ft. Drilled, observation, artesian well.

DATUM.--Land-surface datum is 20.13 ft above North American Vertical Datum of 1988. Measuring point: 2 in. riser pipe, 1.00 ft above land-surface datum, Sep. 15, 1995, to present.

PERIOD OF RECORD.--September 15, 1995 to current year.

GAGE.--Water-level measurements by Maryland Geological Survey personnel.

REMARKS.--Charles County Groundwater-Level Monitoring Network observation well. Water levels on February 20, March 16, March 19, and March 23, 2004 were affected by pumpage. The lowest water level during this test was 102.79 ft below sea level on March 23, 2004.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.13 ft. above sea level, September 15, 1995; lowest measured, 71.10 ft below sea level, September 14, 2011--See REMARKS.

**WATER SURFACE ELEVATION IN FEET NAVD 1988  
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

[Measurement method: T, electric tape. Water-level status: --, static.]

Date	Water level	Measure-ment method	Water-level status	Date	Water level	Measure-ment method	Water-level status
Nov 12	-57.05	T	--	Sep 14	-71.10	T	--
May 6	-61.69	T	--				

Water year 2011 lowest: -71.10, Sep 14, 2011, highest: -57.05, Nov 12, 2010