



Water-Data Report 2011

Local number SM Df 100

Northern Atlantic Coastal Plain aquifer system
Upper Patapsco Aquifer In the Patapsco Formation

St. Mary's County, MD

LOCATION.-- St. Mary's County, MD, Hydrologic Unit 02060004, at the Naval Air Station Patuxent River.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 910 ft. Upper casing diameter 10 in; top of first opening 706 ft, bottom of last opening 905 ft. Drilled, artesian well.

DATUM.--Land-surface datum is 21 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of sanitary cap, 2.05 ft above land-surface datum, Sep. 2000 to present.

PERIOD OF RECORD.--September 2000 to current year.

GAGE.--Water-level measurements by U.S. Geological Survey personnel. Equipped with digital water-level recorder--15-minute recording interval, February 2001 to October 2003.

REMARKS.--Naval Air Station Patuxent River Groundwater Hydrology project well. Water levels are affected by local and regional groundwater withdrawal. An aquifer test was performed from April 5, 2003 to April 7, 2003, and on April 13, 2003.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 36.10 ft below sea level, March 5, 2001 (recorder); lowest measured, 115.50 ft below sea level, April 13, 2003 (recorder) - see REMARKS.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

[Measurement method: S, steel tape. Water-level status: --, static.]

Date	Water level	Measure-ment method	Water-level status	Date	Water level	Measure-ment method	Water-level status
Jan 14	-59.59	S	--	Sep 21	-60.70	S	--

Water year 2011 lowest: -60.70, Sep 21, 2011, highest: -59.59, Jan 14, 2011