

Water-Data Report 2011

**Local number SM Dg 21**

Northern Atlantic Coastal Plain aquifer system  
Piney Point 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 315 ft. Upper casing diameter 4 in; top of first opening 295 ft, bottom of last opening 315 ft. Drilled, artesian well.

DATUM.--Land-surface datum is 3 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4 in. PVC casing, 1.70 ft above land-surface datum, Jan. 12, 2000, to present.

PERIOD OF RECORD.--February 1998 to current year.

GAGE.--Water-level measurements by U.S. Geological Survey personnel. Equipped with digital water-level recorder--15-minute recording interval, February 2000 to November 2002.

REMARKS.--Naval Air Station Patuxent River Groundwater Hydrology project well. Water levels are affected by local and regional groundwater withdrawal.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.14 ft below sea level, March 5, 2001 (recorder); lowest measured, 27.71 ft below sea level, July 28, 2002 (recorder).

**WATER SURFACE ELEVATION IN FEET NGVD 1929  
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
Jan 14	-20.21	T	--	Jul 19	-17.20	T	--
Apr 27	-18.95	T	--	Sep 21	-25.46	T	--

Water year 2011 lowest: -25.46, Sep 21, 2011, highest: -17.20, Jul 19, 2011