

Water-Data Report 2011

Local number SM Dg 20

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 335 ft. Upper casing diameter 4 in; top of first opening 325 ft, bottom of last opening 335 ft. Drilled, artesian well.

DATUM.--Land-surface datum is 12 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of PVC casing, 1.65 ft above land-surface datum, Feb. 1998 to present.

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

GAGE.--Water-level measurements by U.S. Geological Survey personnel.

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, 20.72 ft below sea level, September 15, 2000; lowest measured, 23.82 below sea level, December 18, 2007.

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

[Measurement method: S, steel tape. Water-level status: --, static; R, site had been pumped recently.]

Date	Water level	Measure-ment method	Water-level status	Date	Water level	Measure-ment method	Water-level status
Jan 14	-22.69	S	--	Jul 19	-22.21	S	--
Apr 27	-22.66	S	R	Sep 21	-22.30	S	--

Water year 2011 lowest: -22.69, Jan 14, 2011, highest: -22.21, Jul 19, 2011