

Water-Data Report 2011

Local number SM Dg 19

Northern Atlantic Coastal Plain aquifer system
Aquia 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 532 ft. Upper casing diameter 12 in; top of first opening 480 ft, bottom of last opening 510 ft. Drilled, artesian well.

DATUM.--Land-surface datum is 10 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of sanitary cap after vent pipe is removed, 2.15 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, 100.39 ft below sea level, February 19, 1998; lowest measured, 138.45 ft below sea level, October 2, 2003.

**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	-120.61	S	--	Jul 19	-126.93	S	--
Apr 27	-120.01	S	--	Sep 21	-126.58	S	--

Water year 2011 lowest: -126.93, Jul 19, 2011, highest: -120.01, Apr 27, 2011