

Water-Data Report 2011

Local number SM Dg 5

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 494 ft. Upper casing diameter 8 in; top of first opening 469 ft, bottom of last opening 488.5 ft. Drilled, observation, artesian well.

DATUM.--Land-surface datum is 21.4 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.55 ft above land-surface datum, July 23, 2003, to present.

PERIOD OF RECORD.--August 1950 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, 14.60 ft below sea level, August 21, 1950; lowest measured, 117.75 ft below sea level, July 23, 2003.

**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	-80.14	T	--	Jul 19	-90.32	T	--
Apr 27	-79.89	T	--	Sep 21	-102.69	T	--

Water year 2011 lowest: -102.69, Sep 21, 2011, highest: -79.89, Apr 27, 2011