



Water-Data Report 2011

Local number SM Df 98

Northern Atlantic Coastal Plain aquifer system
Aquia Formation

St. Mary's County, MD

LOCATION.-- St. Mary's County, MD, Hydrologic Unit 02060006, at the Naval Air Station Patuxent River.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 575 ft. Upper casing diameter 8 in; top of first opening 525 ft, bottom of last opening 575 ft. Drilled, artesian well.

DATUM.--Land-surface datum is 80.46 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2.5 in vent pipe, 1.85 ft above land-surface datum, Feb. 19, 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, 133.45 ft below sea level, April 14, 1999; lowest measured, 183.19 ft below sea level, February 19, 1998.

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	-143.50	S	--	Sep 21	-149.01	S	--
Apr 27	-142.89	S	--				

Water year 2011 lowest: -149.01, Sep 21, 2011, highest: -142.89, Apr 27, 2011