



Water-Data Report 2011

Local number SM Ff 64

Northern Atlantic Coastal Plain aquifer system
Aquia Formation

St. Mary's County, MD

LOCATION.-- St. Mary's County, MD, Hydrologic Unit 02070011, at the Naval Air Station Webster Field Annex.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 534 ft. Upper casing diameter 6 in; top of first opening undefined, bottom of last opening undefined. Drilled, observation, artesian well.

DATUM.--Land-surface datum is 10 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter platform, 3.00 ft above land-surface datum, Sep. 21, 1999, to present.

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

GAGE.--Water-level measurements by U.S. Geological Survey personnel. Equipped with digital water-level recorder--30-minute recording interval, September 1999 to December 2003.

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, 76.64 ft below sea level, September 3, 1998; lowest measured, 160.20 ft below sea level, November 15, 2002 (recorder).

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

[Measurement method: S, steel tape; T, electric tape. Water-level status: S, nearby site that taps the same aquifer was being pumped; --, static.]

Date	Water level	Measure-ment method	Water-level status	Date	Water level	Measure-ment method	Water-level status
Jan 14	-115.00	S	S	Jul 19	-90.65	T	--
Apr 27	-96.60	T	--	Sep 21	-91.22	T	--

Water year 2011 lowest: -115.00, Jan 14, 2011, highest: -90.65, Jul 19, 2011