



Water-Data Report 2011

380724076251901 Local number SM Ff 36

Northern Atlantic Coastal Plain aquifer system
Upper Patapsco Aquifer In the Patapsco Formation

St. Mary's County, MD

LOCATION.--Lat 38°07'21.4", long 76°25'18.0" referenced to North American Datum of 1983, St. Mary's County, MD, Hydrologic Unit 02070011, near Kitts Point.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 618 ft. Upper casing diameter 8 in; top of first opening 594 ft, bottom of last opening 618 ft. Drilled, observation, artesian well.

DATUM.--Land-surface datum is 6.56 ft above North American Vertical Datum of 1988. Measuring point: Top of casing, 1.50 ft above land-surface datum, Nov. 14, 1978, to present.

PERIOD OF RECORD.--November 1978, September 1982 to current year.

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

REMARKS.--Maryland Groundwater-Level Monitoring Network observation well. Water levels are affected by regional groundwater withdrawal.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.30 ft below sea level, November 14, 1978; lowest measured, 43.88 ft below sea level, September 14, 2010.

**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	-43.17	T	--	Jul 19	-43.44	T	--
Apr 27	-42.84	T	--	Sep 21	-43.30	T	--

Water year 2011 lowest: -43.44, Jul 19, 2011, highest: -42.84, Apr 27, 2011