



Water-Data Report 2010

363653076455401 Local number 56A 11 SOW 089

Northern Atlantic Coastal Plain aquifer system
 Patapsco Formation
 Suffolk City, VA

LOCATION.--Lat 36°36'53", long 76°45'54" referenced to North American Datum of 1927, Suffolk City, VA, Hydrologic Unit 03010203, off State Highway 616, 1.1 mi east of Holy Neck Church, and 3.4 mi north of Somerton. Owner: Virginia Department of Environmental Quality.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 861 ft. Upper casing diameter 4.00 in; top of first opening 830 ft, bottom of last opening 840 ft. Drilled observation water well, screened 830 to 840 ft.

DATUM.--Land-surface datum is 79 ft above National Geodetic Vertical Datum of 1929. Measuring point: TOP OF CASING, 1.30 ft above land-surface datum, Jan. 12, 1988, to present.

PERIOD OF RECORD.--August 1977 to current year. Unpublished records available prior to October 1985 in files of the Virginia Department of Environmental Quality - Water Division.

GAGE.--Occasional measurement with chalked tape by Virginia Department of Environmental Quality - Water Division personnel. Oct. 16, 1992, to July 19, 1995, bimonthly measurement with chalked tape by Virginia Department of Environmental Quality - Water Division personnel. Mar. 2, 1989, to Oct. 15, 1992, occasional measurement with chalked tape by USGS. Prior to Oct. 16, 1989, bimonthly measurement with chalked tape by Virginia Department of Environmental Quality - Water Division personnel.

REMARKS.--Well is located in Middle Potomac aquifer of Cretaceous age. Records provided by the Virginia Department of Environmental Quality - Water Division prior to Mar. 1, 1989; USGS Mar. 2, 1989, to Oct. 15, 1992; Virginia Department of Environmental Quality - Water Division thereafter. Water level affected by regional drawdown.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 154.00 ft below land-surface datum, Aug. 9, 1977; lowest measured, 195.28 ft below land-surface datum, Oct. 23, 2008.

**WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM
 WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

[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 |
|--------|-------------|---------------------|--------------------|-------|-------------|---------------------|--------------------|
| Nov 17 | 191.32 | S | -- | Jun 3 | 186.60 | S | -- |
| Mar 8 | 190.22 | S | -- | Sep 1 | 180.98 | S | -- |

Water year 2010 highest: 180.98, Sep 1, 2010; lowest: 191.32, Nov 17, 2009

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