



Water-Data Report 2012

363655076332006 Local number 58A 81 SOW 180E

Northern Atlantic Coastal Plain aquifer system
Eocene Series

Suffolk City, VA

LOCATION.--Lat 36°36'55", long 76°33'20" referenced to North American Datum of 1927, Suffolk City, VA, Hydrologic Unit 03010205, 0.3 mi north of Great Dismal Swamp Wildlife Refuge Headquarters on Desert Road, 2.0 mi east of Cypress Chapel. Owner: Virginia Department of Environmental Quality.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 329 ft. Upper casing diameter 4.50 in; top of first opening 319 ft, bottom of last opening 329 ft. Drilled observation water well, diameter 2 in. from 298 to 329 ft, screened 319 to 329 ft.

DATUM.--Land-surface datum is 34 ft above National Geodetic Vertical Datum of 1929. Measuring point: TOP OF CASING, 1.40 ft above land-surface datum, April 15, 1992, to present.

PERIOD OF RECORD.--February 1987 to current year.

GAGE.--Occasional measurement with chalked tape by USGS personnel. Prior to Apr. 15, 1992, digital recorder, 60-minute punch.

REMARKS.--Well is located in Chickahominy-Piney Point aquifer of Eocene-Oligocene age. Water from this well is known to contain concentrations of dissolved solids greater than 1,000 mg/L. Water levels affected by pumpage for water-quality sampling Mar. 31, 2000. Cause of nonrecovery to pre-pumpage level unknown. Water level affected by regional drawdown.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 15.07 ft below land-surface datum, Feb. 23, 1987; lowest measured, 28.94 ft below land-surface datum, July 20, 2011.

**WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**

[Measurement method: S, steel tape; 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
Oct 4	28.48	S	--	Apr 3	28.49	S	--
Jan 26	28.54	S	--	Jul 11	28.79	T	--

Water year 2012 highest: 28.48, Oct 4, 2011; lowest: 28.79, Jul 11, 2012

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