



Water-Data Report 2008

371453076460601 Local number 56F 56

Northern Atlantic Coastal Plain aquifer system
 Patapsco Formation
 James City County, VA

LOCATION.--Lat 37°14'53.26", long 76°46'06.14" referenced to North American Datum of 1983, James City County, VA, Hydrologic Unit 02080206.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 745 ft. Upper casing diameter 17.40 in; top of first opening 420 ft, bottom of last opening 725 ft.

DATUM.--Land-surface datum is 55 ft above North American Vertical Datum of 1988. Measuring point: Undefined.

REMARKS.--Well is located in Middle Potomac aquifer of Cretaceous age.

**WATER-QUALITY DATA
 WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 1 of 3

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified. Value qualifier codes: d, diluted sample: method hi range exceeded.]

Date	Time	Sample medium and type	Geologic unit	Depth of well, feet below LSD (72008)	Depth to bot sample intrval feet below LSD (72016)	Depth to top sample intrval feet below LSD (72015)	Altitude of land surface feet (72000)	Flow rate, instantaneous gal/min (00059)	Barometric pressure, mm Hg (00025)
Jun 26...	0945	Ground water, regular	217PPSC	745	725	420	55.0	792	761

**WATER-QUALITY DATA
 WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 2 of 3

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Date	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of saturation (00301)	pH, water, unfltrd std units (00400)	Specific conductance, wat unf μS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt inf tit mg/L as CaCO3 (39086)	Bicarbonate, wat flt inf pt titr., field, mg/L (00453)	Carbonate, wat flt inf pt titr., field, mg/L (00452)	Bromide water, fltrd, mg/L (71870)
Jun 26...	<1.0	1	7.8	1,500	20.1	2.54	.717	7.71	315	323	E393	<1	1.04d

371453076460601 Local number 56F 56—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 3 of 3

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Date	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L as SiO2 (00955)	Sulfate water, fltrd, mg/L (00945)	Sulfide water, unfltrd field, mg/L (99119)	Residue	Iron, water, fltrd, µg/L (01046)	Manganese, water, fltrd, µg/L (01056)
						on evap. at 180degC wat flt mg/L (70300)		
Jun 26...	264	2.01	31.6	32.6	M	878	13	6.5