



# Colonial Beach-Potomac / Westmoreland Shores

## Typical Water Quality Information

**PWSID Number:** VA4193760

**Area Served:** Colonial Beach-Potomac/Westmoreland Shores (Zip code: 22443)

### Where Does My Water Come From?

The source of your drinking water is groundwater. All wells draw water from the Potomac aquifer.

### Average amount of water supplied to customers on a daily basis

50,000 gallons per day

Parameter	Average or Range	Comments
pH	8.2	Measure of the acid/base properties of water
Fluoride	1.7 mg/L	Naturally occurring and water additive, MCL = 4.0 mg/L
Sodium	105.9 mg/L	Naturally occurring from erosion of natural deposits No MCL – Informational only
Iron	ND	Naturally occurring Secondary Standard Limit = 0.3 mg/L
Manganese	ND	Naturally occurring from erosion of natural deposits

<b>Parameter</b>	<b>Average or Range</b>	<b>Comments</b>
Type of disinfection	N/A	chlorine
Disinfectant residual level leaving the treatment plant	0.43 – 1.54 mg/L	Water additive to control microbes
Lead [90 <sup>th</sup> percentile result]	1 ug/L	Corrosion of household plumbing; erosion of natural deposits Action Level = 15 ug/L
Copper [90 <sup>th</sup> percentile result]	0.219 mg/L	Corrosion of household plumbing; erosion of natural deposits Action Level = 1.3 mg/L
Hardness	8.5 mg/L	Natural calcium / magnesium content in the water
Alkalinity	207.5 mg/L	Ability of water to neutralize acid and bases and maintain a stable pH
Nitrate	ND – 0.04 mg/L	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits MCL = 10 mg/L
Arsenic	ND – 1 ug/L	MCL = 10 ug/L

**Definitions**

- mg/L – milligrams per liter; one milligram per liter is equal to one part per million (ppm), which is approximately the same as 1 second in 11.5 days
- ug/L – micrograms per liter; one microgram per liter is equal to one part per billion (ppb), which is approximately the same as 1 second in 31.7 years
- N/A – not applicable
- ND – not detected
- MCL – Maximum Contaminant Level – the highest level of a contaminant allowed in drinking water under State and Federal regulations

For a complete report of your water quality, please refer to the Water Quality Report located on the American Water web site.  
[www.amwater.com/ccr/potomacwestmoreland.pdf](http://www.amwater.com/ccr/potomacwestmoreland.pdf)

For more information on your water quality, please contact Kelly Ryan, Water Quality Supervisor, at 804-446-9822

Other inquiries should be directed to our Customer Service Center at 1-800-452-6863