



Bay Quarter Shores

Typical Water Quality Information

PWSID Number: VA4133040

Area Served: Bay Quarter Shores (Zip code: 22473)

Where Does My Water Come From?

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

Average amount of water supplied to customers on a daily basis

10,000 gallons per day

Parameter	Average or Range	Comments
pH	8.21	Measure of the acid/base properties of water
Fluoride	1.09 mg/L	Naturally occurring and water additive, MCL = 4.0 mg/L
Sodium	139.5 mg/L	Naturally occurring from erosion of natural deposits No MCL – Informational only
Iron	0.05 mg/L	Naturally occurring Secondary Standard Limit = 0.3 mg/L
Manganese	0.011 mg/L	Naturally occurring from erosion of natural deposits
Type of disinfection	N/A	chlorine
Disinfectant residual level in the distribution system	0.44 – 1.81 mg/L	Water additive to control microbes

Parameter	Average or Range	Comments
Lead [90 th percentile result]	2.0 ug/L	Corrosion of household plumbing; erosion of natural deposits Action Level = 15 ug/L
Copper [90 th percentile result]	0.191 mg/L	Corrosion of household plumbing; erosion of natural deposits Action Level = 1.3 mg/L
Alkalinity	288 mg/L	Natural calcium / magnesium content in the water
Hardness	7 mg/L	Ability of water to neutralize acid and bases and maintain a stable pH
Nitrate	0.01 mg/L	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits MCL = 10 mg/L
Arsenic	ND mg/L	MCL = 0.010 mg/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.

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