How healthy is the groundwater?

Groundwater in the Buried Valley Aquifer is generally of excellent quality. Under some conditions, naturally-occurring arsenic can be present at levels high enough to pose a risk to human health. Homeowners who drink water from a private well should have their water tested regularly.

Causes of Unhealthy Streams

- Changes to the shape of the stream channel
- Increased impervious surfaces
- Unhealthy levels of nitrogen and phosphorus
- Destruction of floodplain

Nutrients

Nitrogen and phosphorus enter waterways when it rains, impacting water quality. Both are found in fertilizers, animal waste, sewage, and wastewater.

78% of stream miles meet Ohio water quality standards


2.3 million people in southwest Ohio rely on groundwater for drinking. Water levels in Buried Valley Aquifer remain stable overall.

Great Miami River helps recharge the Buried Valley Aquifer

Buried Valley Aquifer provides flow to the Great Miami River

State of the Water 2003-2021

Mad River
Subwatershed of the Great Miami River

Dayton
Springfield
Urbana

Great Miami River Watershed

Great Miami River

Buried Valley Aquifer

Clarence J Brown Reservoir

Buried Valley Aquifer

Buried Valley Aquifer


MAP LEGEND

City
County
Lake
Buried Valley Aquifer


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