



Providing Naturally Safe and Beneficial Drinking Water

Indianola Municipal Utilities (IMU) is dedicated to delivering safe and high-quality drinking water to our community. Our water source, the Jordan Aquifer, naturally contains fluoride, a mineral recognized for its benefits to oral health and deemed safe and effective by numerous leading health organizations.

The presence of naturally occurring fluoride in Indianola's water offers advantages for dental well-being. Fluoride strengthens tooth enamel, making it more resistant to the acids produced by plaque bacteria, the main cause of dental cavities. This natural presence of fluoride can contribute to a reduction in tooth decay across all age groups within our community.

It's important to note that the **Centers for Disease Control and Prevention (CDC)**, the **World Health Organization (WHO)**, the **American Dental Association (ADA)**, and the **American Medical Association (AMA)** all recommend community water fluoridation as a safe and effective public health measure for preventing tooth decay.



Indianola residents should understand that IMU does not add any additional fluoride to the water supply. The fluoride present is solely a result of the natural geological composition of the Jordan Aquifer. We continuously monitor the levels of naturally occurring fluoride to ensure they remain within safe and beneficial ranges, consistent with the safety standards recognized by these leading health authorities.

In Iowa, decisions regarding the addition of fluoride to public water supplies are made at the local level. While some communities choose to add fluoride to reach optimal levels, Indianola relies on the natural fluoride present in its water source, a testament to the inherent qualities of the Jordan Aquifer.

IMU is committed to ensuring the safety and quality of your drinking water. Our treatment processes are continuously monitored to meet or exceed all state and federal regulations. Utilizing the naturally occurring fluoride in our water reflects our commitment to promoting the long-term oral health and well-being of the Indianola community through the inherent properties of our water source, a source that naturally provides a mineral recommended and considered safe by prominent health organizations for its dental benefits.

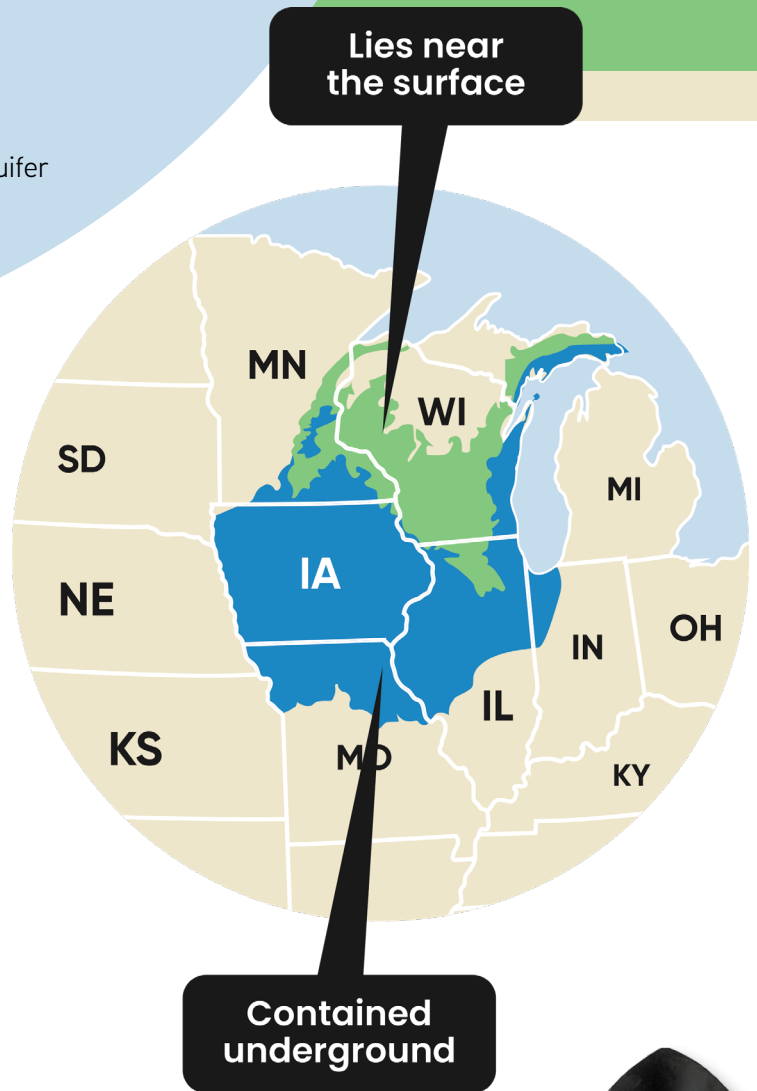


Jordan Aquifer

The Jordan aquifer, officially the Cambrian-Ordovician aquifer system, touches seven states and covers most of Iowa, where it is mostly underground.

Here are some short, interesting facts about the Jordan Aquifer (Cambrian-Ordovician aquifer) in Iowa:

- **Vast and Deep:** The Jordan Aquifer is a major bedrock aquifer underlying most of Iowa and extending into several other Midwestern states. In Iowa, it can be found between 1,000 to 3,000 feet below the surface.
- **Ancient Water:** The water within the Jordan Aquifer is very old, with some estimates placing it between 70,000 to nearly 180,000 years old. This means it's essentially a non-renewable resource on human timescales.
- **Reliable Source:** Despite its age, it's considered a dependable source of water for many communities and industries in Iowa due to its large storage capacity.
- **Naturally Filtered:** Because it's located so deep underground and has been there for millennia, the water in the Jordan Aquifer is generally free from pollutants introduced by human activities at the surface.
- **Increasing Demand:** Withdrawals from the Jordan Aquifer have significantly increased in recent decades, partly due to the growth of industries like ethanol production and increasing municipal populations.
- **Regional Importance:** It's not just important for Iowa; the Jordan Aquifer also supplies water to parts of Illinois, Indiana, Michigan, Minnesota, Missouri, Nebraska, and Wisconsin.
- **Variable Depth:** The depth to the Jordan Aquifer varies across Iowa. It's relatively shallow in northeast Iowa, but becomes much deeper towards the southwest part of the state.



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210 West 2nd Ave.
Indianola, IA 50125
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Mon-Fri 8:00 a.m. to 4:30 p.m.

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