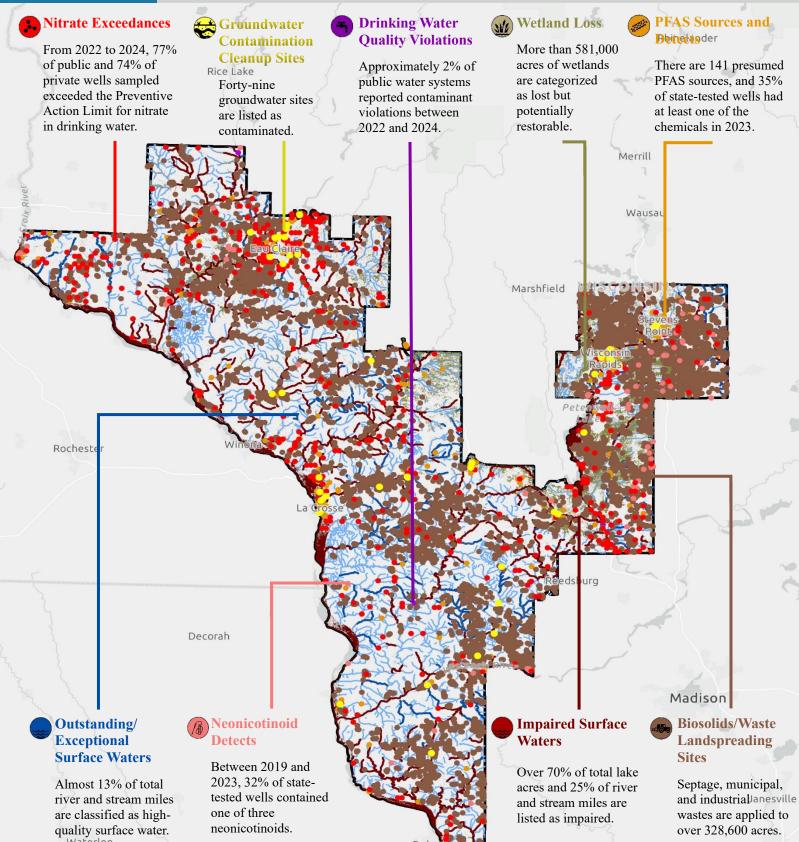


2024* Water Quality Report

729,000 Constituents | 46% Rely on Private Wells for Drinking Water









- Seventy-four private and 490 public* wells sampled exceeded the Preventative Action Limit from 2022-2024.
- Elevated levels of nitrate are generally due to agricultural runoff and industrial discharges.
- Nitrate has been linked to blue baby syndrome, colon cancer, thyroid disease, and neural tube defects.
- Current permit holders have applied approximately 1.7 billion gallons of waste to over 10,900 separate fields.²
- The liquid and solid waste is generated from paper mills, septage operations, and food processing plants.
- Landspreading waste can transport contaminants by contaminating groundwater and food and feed crops in the area.





• Forty-five private and 97 municipal wells tested by the state had detectable levels of PFAS in 2023.³

- The 141 presumed sources include facilities that manufacture, manage, and/or discharge PFAS materials.⁴
- PFAS consumption can cause developmental effects in children, decreased fertility, and some cancers.



- From 2019-2023, eighty-five private and monitoring well samples contained one or more neonicotinoids.⁵
- Neonicotinoid insecticides are applied to agricultural crops, lawns and gardens, golf courses, and more.
- Negative impacts to non-target insect species cause food chain issues in fish, birds, and potentially other taxa.

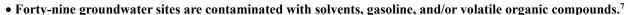




• Radium, bacteria, and/or nitrate violations occurred in twelve public* water systems from 2022-2024.6

- These contaminants often enter drinking water from natural sources, septic systems, and agricultural operations.
- Sustained ingestion at high levels can cause cancer, gastrointestinal issues, and/or numerous other health impacts.

Appleton



- These chemical mixtures enter water through industrial discharges, underground storage tank leaks, and landfill leachate.
- If ingested through drinking water, the pollutants pose serious cancer and organ damage health risks.





La Crosse

Fond du Lac

- Of the thousands of wetland acres lost, 8% of the total land acreage has the potential for restoration.
- Degradation and loss of Wisconsin wetlands is primarily due to invasives, development, and conversion to cropland.
- Wetlands absorb pollutants before they enter water, including drinking water; without them, we lose natural filters.
- More than 199,000 acres and 2,300 miles of surface waters are listed as impaired under the Clean Water Act.³
- The mercury, phosphorus, metal, bacteria, and/or PCBs throughout are often from agricultural and industrial discharges.
- Ingestion of these pollutants can lead to organ damage, cardiovascular and reproductive issues, cancer, and more.





- Over 1,200 miles and 950 acres of surface waters are classified as Outstanding or Exceptional by the state.³
- These waterbodies support fisheries and wildlife and have high water quality from effective management and protection.
- As some drinking water is sourced from surface water, these are essential public health resources, too.

Waukegan

