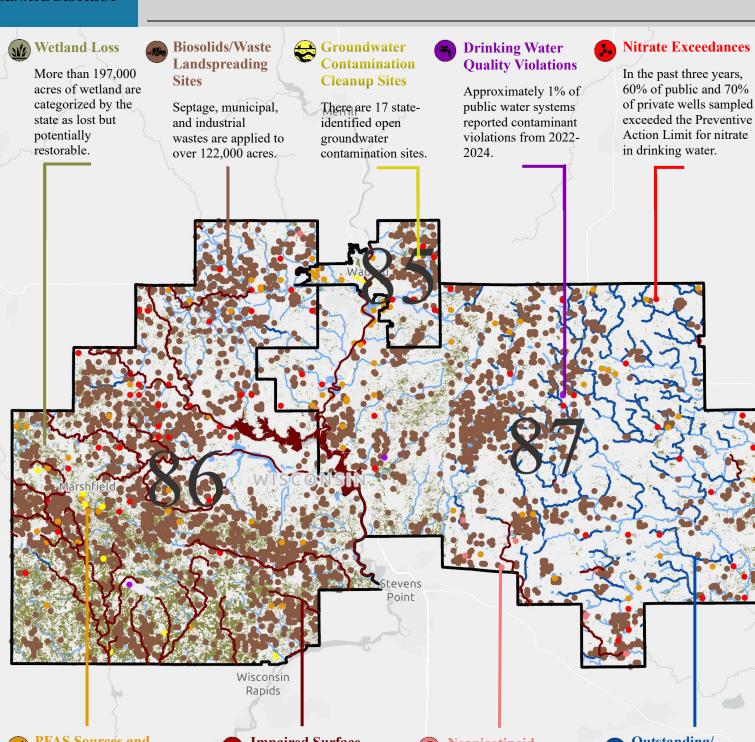
SENATE DISTRICT

2024* Water Quality Report

177,000 Constituents | 45% Rely on Private Wells for Drinking Water



PFAS Sources and Detects

There are 39 presumed sources of PFAS, and 55% of state-tested wells had detectable levels of at least one of the chemicals in 2023.

Impaired Surface Waters

Over 46% of total lake acres and 21% of river and stream miles are listed as impaired.

Neonicotinoid **Detects**

Between 2019 and 2023, nearly 8% of state-tested wells contained detectable levels of one of three neonicotinoids.

Outstanding/ **Exceptional Surface Waters**

Almost 23% of total river and stream miles are classified as highquality surface waters.

For policy questions, contact Water and Agriculture Program Director Sara Walling at swalling@cleanwisconsin.org. For data questions, contact Clean Water Manager Hannah Richerson at hricherson@cleanwisconsin.org.

Petenwell

Lake

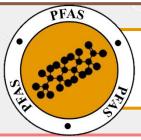






- Over 100 public and seven private wells sampled exceeded the Preventative Action Limit from 2022-2024.¹
- Elevated levels of nitrate are generally due to agricultural runoff and industrial discharges.
- Nitrate has been linked to blue baby syndrome, colon cancer, thyroid disease, and neural tube defects.
- Current permit holders have applied over 741 million gallons of waste to 4,743 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.



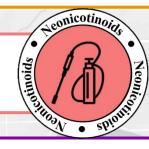


- More than half of private and municipal wells tested by the state had detectable levels of PFAS in 2023.³
- The 39 presumed sources include facilities that manufacture, manage, and/or discharge PFAS materials.⁴
- PFAS consumption can cause developmental effects in children, decreased fertility, and some cancers.

King

Weyauwega

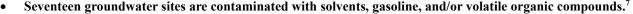
- From 2019-2023, 11 state-tested private and monitoring wells contained one or more neonicotinoids.⁵
- Neonicotinoid insecticides are applied to agricultural crops, lawns and gardens, golf courses, and more.
- Negative impacts to non-target insect species cause food chain issues in fish, birds, and potentially other taxa.





- Radium, bacteria, and nitrate violations occurred in three public water systems from 2022-2024.6
- These contaminants often enter drinking water from natural sources, agricultural operations, and septic systems.
- Sustained ingestion at high levels can cause tissue damage, stomach ailments, and cancer, respectively.

WAUSHARA



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





- Of the thousands of wetland acres lost, 13.5% of the total land has the potential for restoration.³
- 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.
- Approximately 19,900 acres and 379 miles of surface waters are impaired under the Clean Water Act.³
- The phosphorus, heavy metal, 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 400 miles and 126 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 management and protection.
- As some drinking water is sourced from surface water, these are essential public health resources, too.

