

# 2021 Water Quality Testing Results - Presumpscot River Watershed

Thank you to all of the volunteer Water Stewards who collected these data in 2021

Move the vertical slider bar on the map to switch between Bacteria and Dissolved Oxygen results, and click on each site for more information.

Water quality monitoring is an important way to assess the health of rivers and streams for both humans and wildlife. It can help us identify important places to conserve land and potential restoration projects.

An important indicator of water health for human use and recreation is when levels of ***E. coli* bacteria levels are low**. Aquatic life, like fish and invertebrates, requires **high levels of dissolved oxygen** to survive and thrive.

Results are classified according to how many of the samples at each site met Maine Department of Environmental Protection Standards for their Water Quality Class (A

## Legend

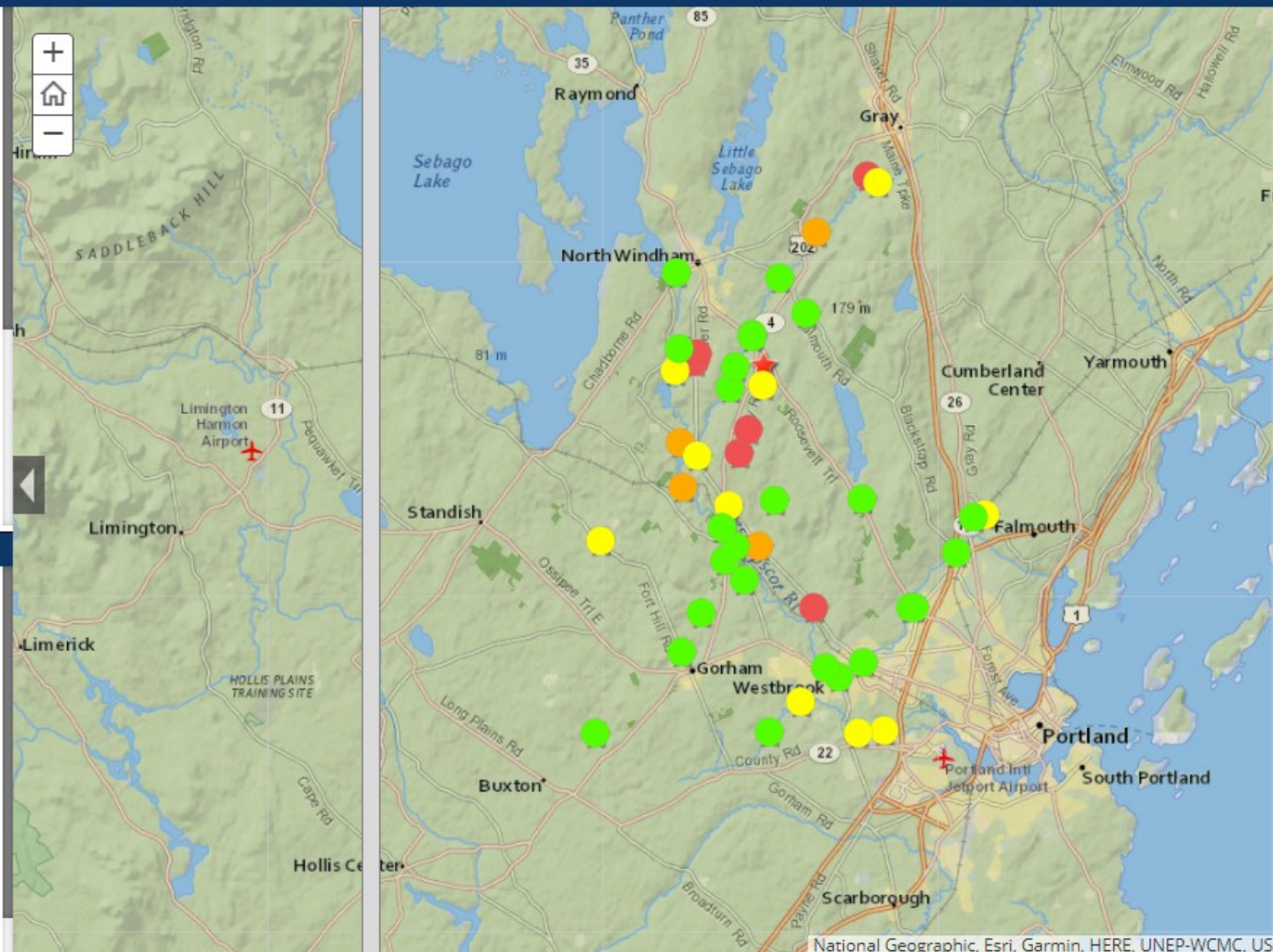
2021 Samples Meeting Bacteria Standard

- ★ 100%
- ★ 70-99%
- ★ 50-69%
- ★ <50%

2021: Samples Meeting DO Standard

- 100%
- 70-99%
- 50-69%
- <50%

Presumpscot Regional Land Trust Preserves



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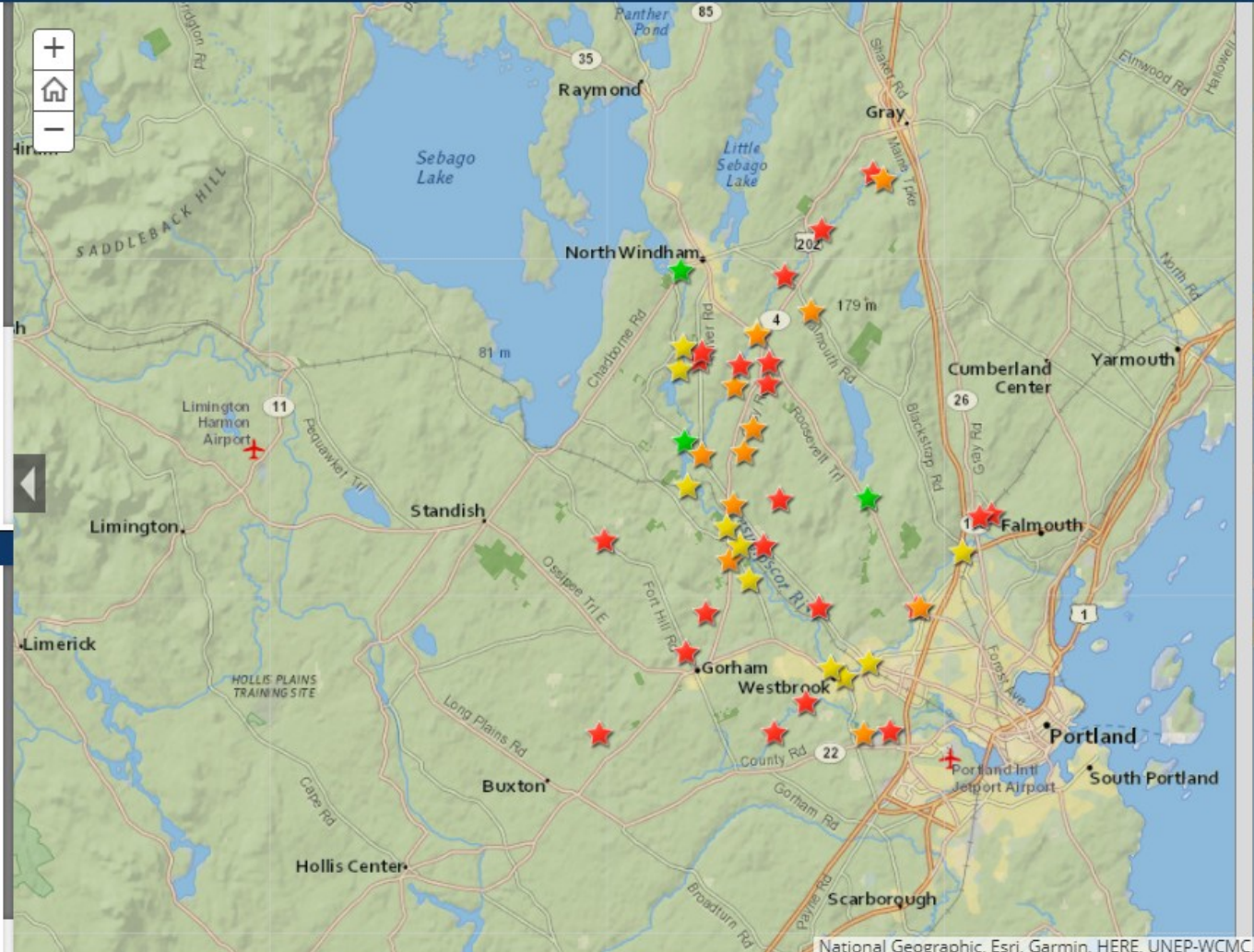
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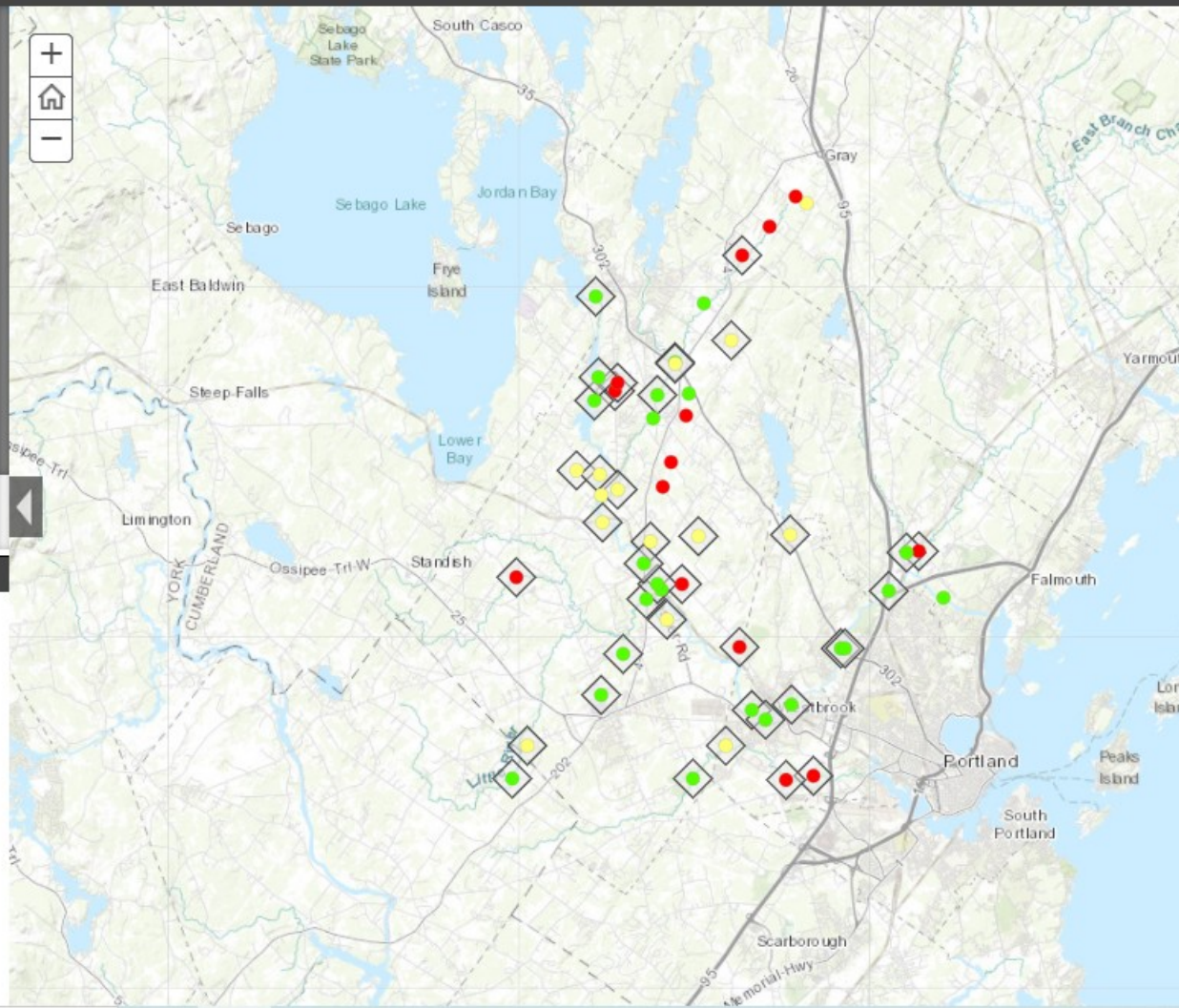


# Water Quality Trends in the Presumpscot River Watershed - 2009-2021

This map summarizes water quality data collected in the Presumpscot River watershed region from 2009 to 2021. The map will be updated after data collection each summer.

Our quality testing measures levels of Dissolved Oxygen (DO), essential to aquatic wildlife, and Bacteria, which can make water unsafe for humans to drink or recreate in. Move the vertical slider on the map to the right to view Dissolved Oxygen results and to the left to view Bacteria results. The arrows and diamonds reflect trends: Up indicates improving water quality, Gray diamond indicates stable water quality, and Down indicates declining water quality.

The inside color indicates Average Water Quality over the 12-year span based on what percentage of samples met the Maine DEP standards. Click on each point for more information.



## Legend

### DO: Met Standard

- 90-100%
- 70-90%
- Under 70%

### Bac: Met Standard

- 90-100%
- 70-90%
- Under 70%

### DO Trend

- Improving
- Stable
- Declining

### Bacteria: Trend

- Improving
- Stable
- Declining

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### DO Trend

▲ Improving

◊ Stable

▼ Declining

### Bacteria: Trend

▲ Improving

◊ Stable

▼ Declining

