# Water Quality Monitoring Program

About the Program

- Part of Maine DEP Volunteer River Monitoring Program

- 14 years of data collected, now beginning year 15 of the program, and 7th year run by Presumpscot Regional Land Trust

- Results based on 10 sample events from May - September

- Average of 30 volunteers collecting data

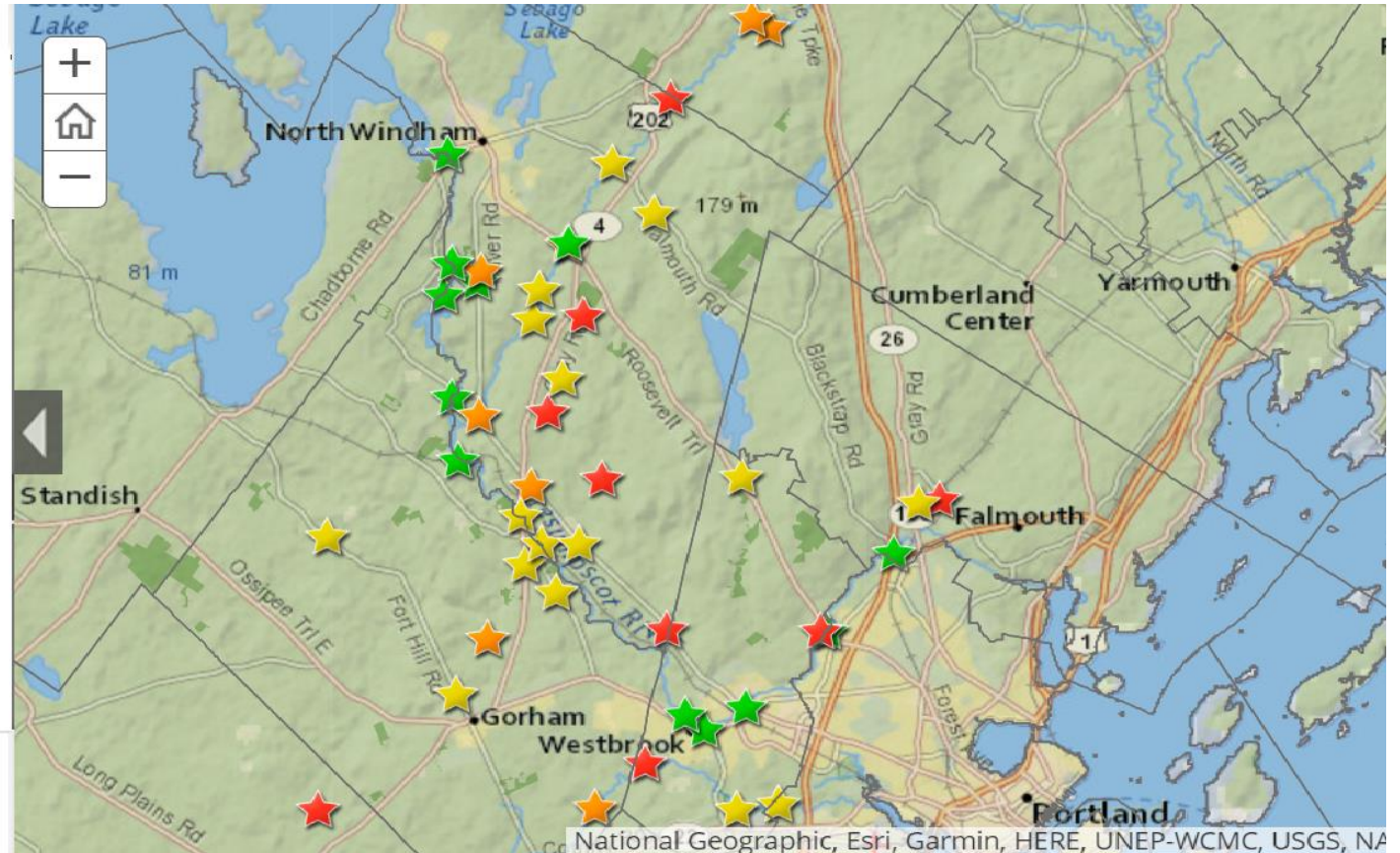- Data collection and analysis focused on bacteria and dissolved oxygen

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Water Quality in the Presumpscot: 2022 Dissolved Oxygen Results
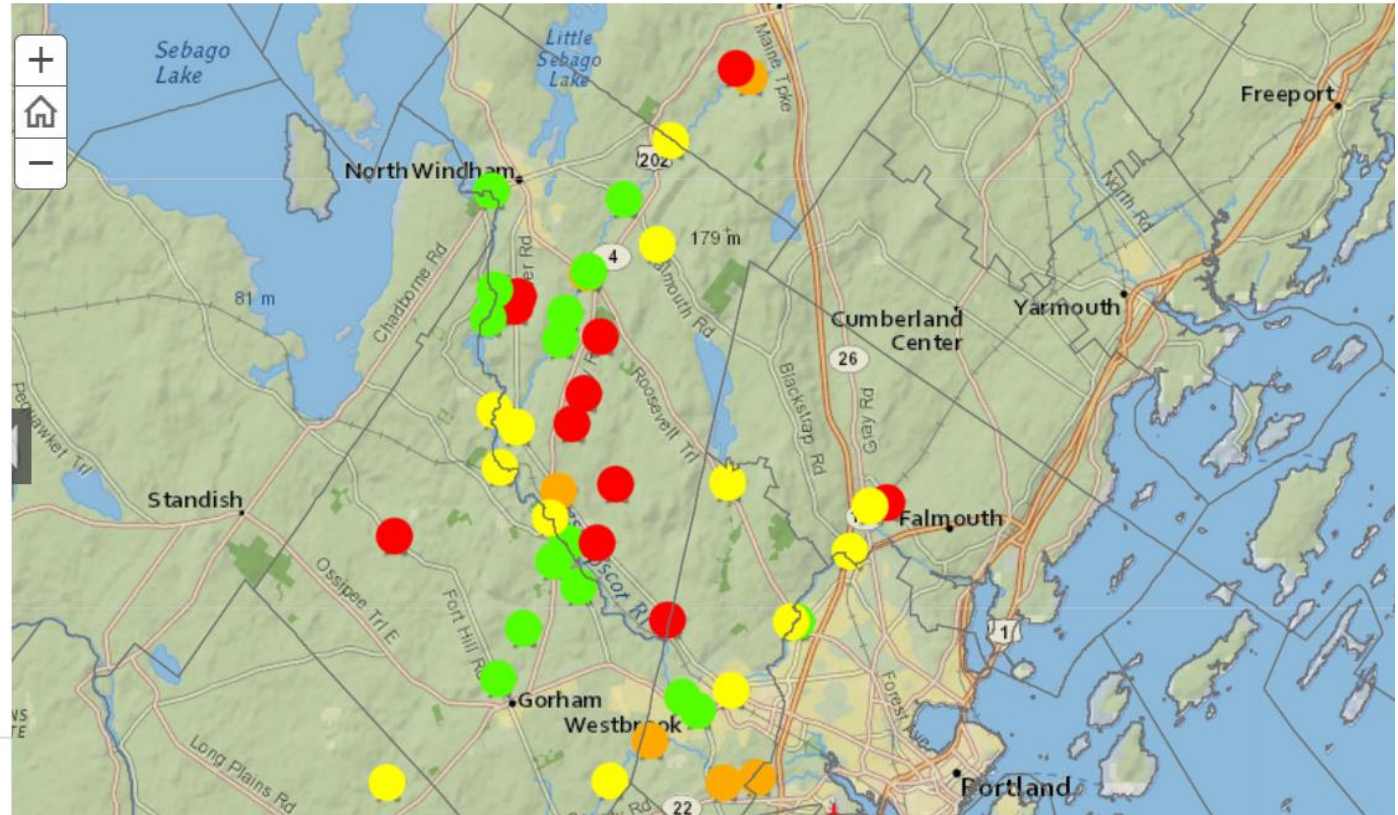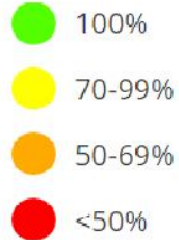
Water Quality in the Presumpscot: 2022 Bacteria Results

2022 Annual Data Takeaways

- The **"main stem" of the Presumpscot River** almost always met dissolved oxygen and bacteria standards.

- In the 11 **Presumpscot River tributaries**, dissolved oxygen results were extremely variable and bacteria results were generally improved from 2021.

- Sites on the **Stroudwater River** mostly met both bacteria and dissolved oxygen state standards about half of the time
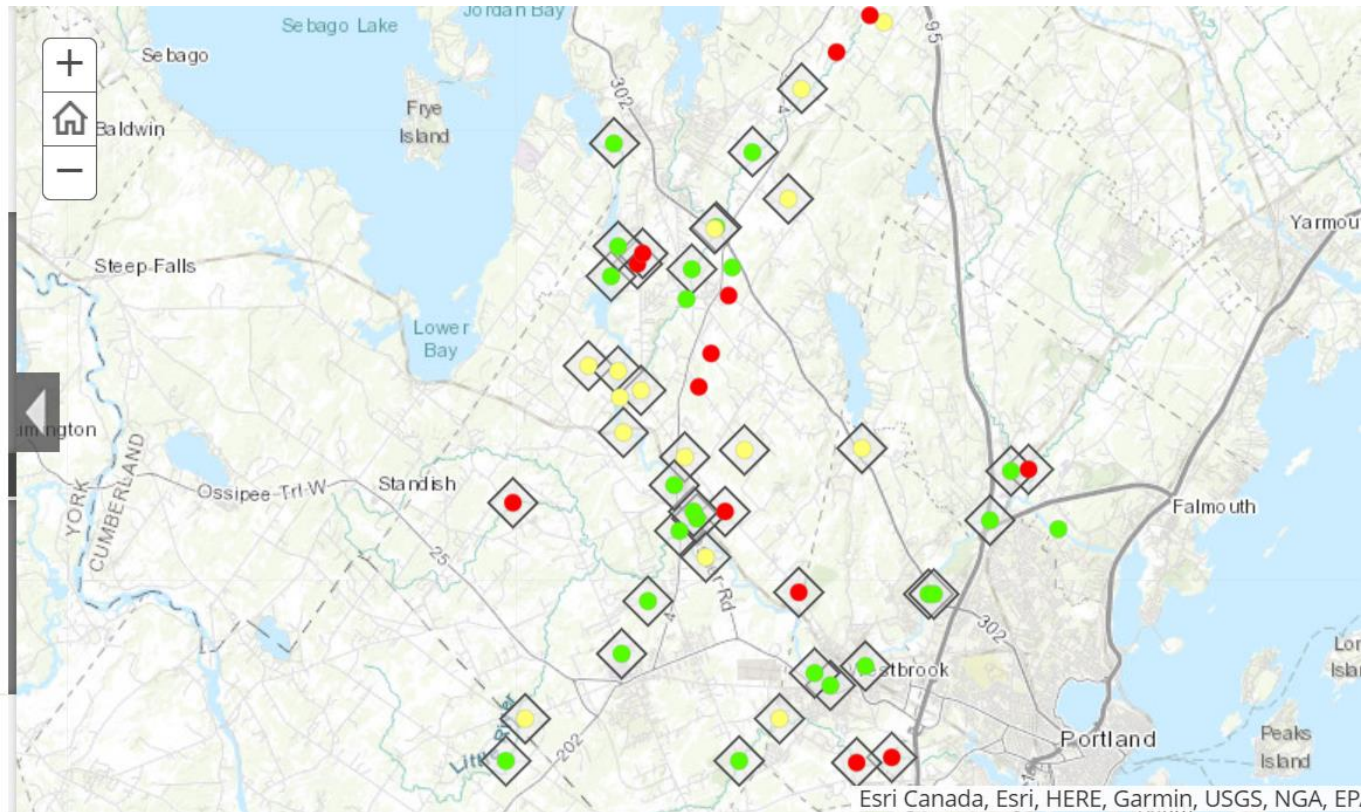
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Water Quality Trends in the Presumpscot: 14-year Dissolved Oxygen Results

Water Quality Trends in the Presumpscot: 14-year Bacteria Results
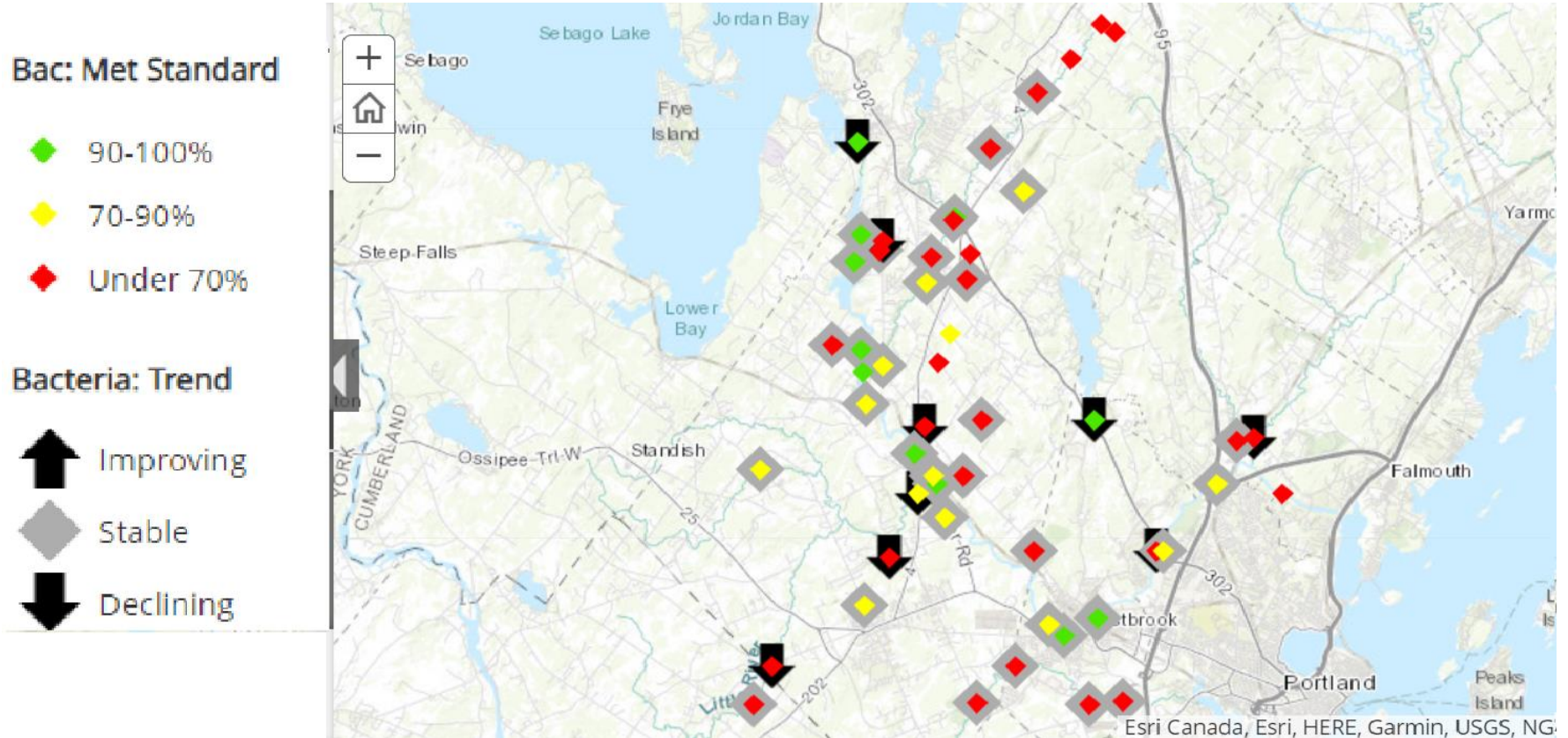
Historical Data Takeaways

- The **main stem of the Presumpscot River** continues to almost always meet bacteria and dissolved oxygen state standards.

- Most **tributaries of the Presumpscot** have historically met dissolved oxygen standards most of the time and have rarely met bacteria state standards.

- More data is needed on the Stroudwater River to assess averages and trends.

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Thank You

Thank you to Casco Bay Estuary Partnership, the Town of Windham, and community volunteers for supporting this work.

Please see www.prlt.org/water to view data maps and background information about the Program.

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