



Lake Bavaria Management Plan

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CARVER COUNTY WMOAC

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Tonight's Presentation

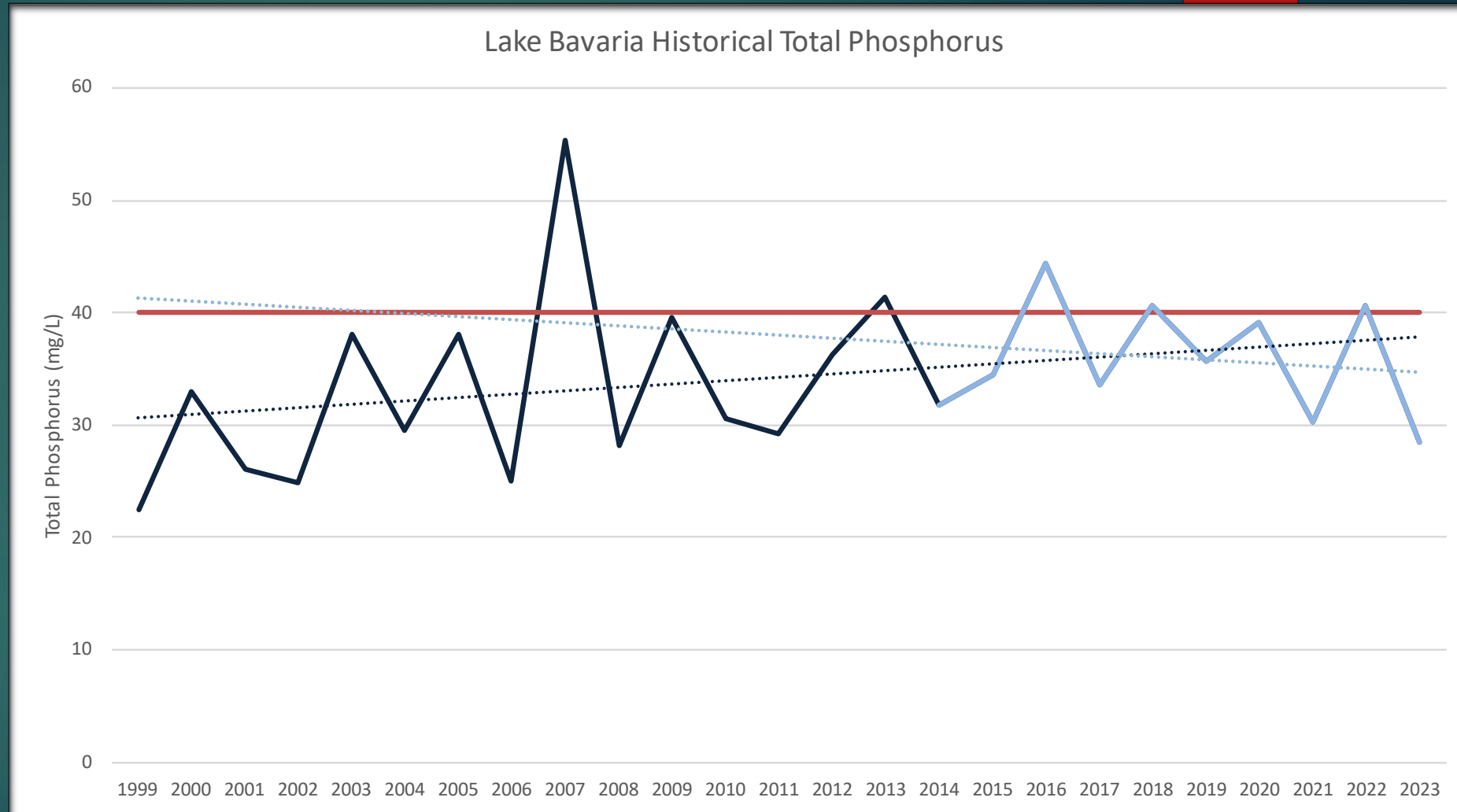
- ▶ Why do we need one
- ▶ What is a Lake Management Plan
- ▶ Stakeholder Group Process
- ▶ Future of the Plan

Why

- ▶ Land use around Lake Bavaria is changing

Why

- ▶ Historical phosphorous trends



Why

- ▶ Impaired for Fish IBI

DNR Fisheries Survey Report

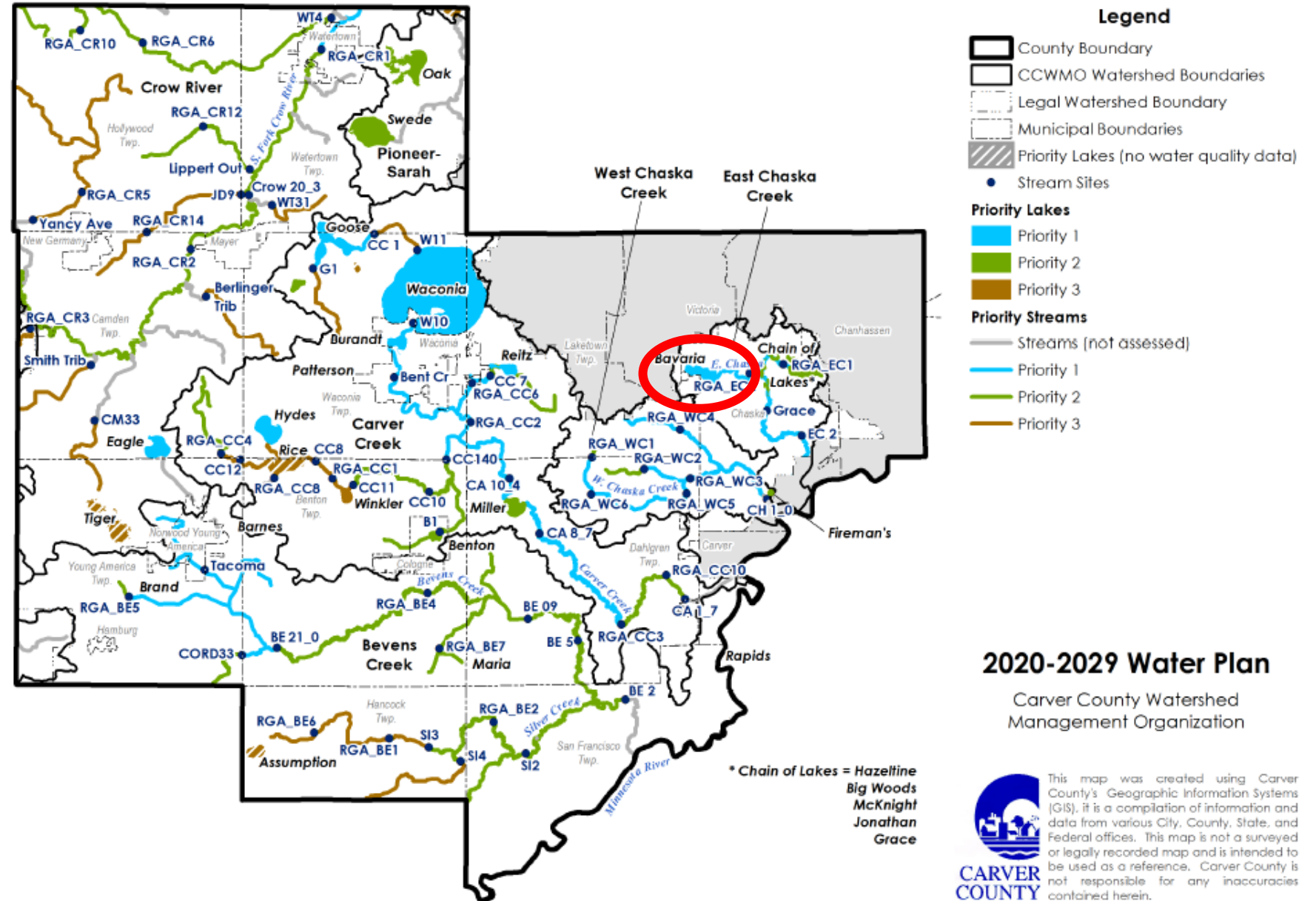
Lake	FIBI Tool (Threshold)	FIBI Score	Survey Year	Assessment Decision
Bavaria	2 (45)	14.8	2013	Non supporting (Impaired)

- ▶ “Fisheries assessments dating back to 1949 indicate Common Carp densities have remained low and below levels that alter lake ecology.”
- ▶ “Riparian lakeshore development was assigned the highest priority because both the number of residential docks (9.7 per km) and STS score (72) are near levels believed to impact aquatic ecosystems.”
- ▶ “Excess nutrient impacts were ranked as the third priority for candidate stressors.”
- ▶ “Aquatic plant removal activities may also be contributing to the impairment to aquatic life use based on the FIBI.”

Why

► Priority lake

Figure 5-1. Priority Waterbodies (Source: Carver County)



2020-2029 Water Plan

Carver County Watershed Management Organization

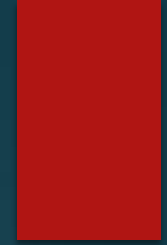
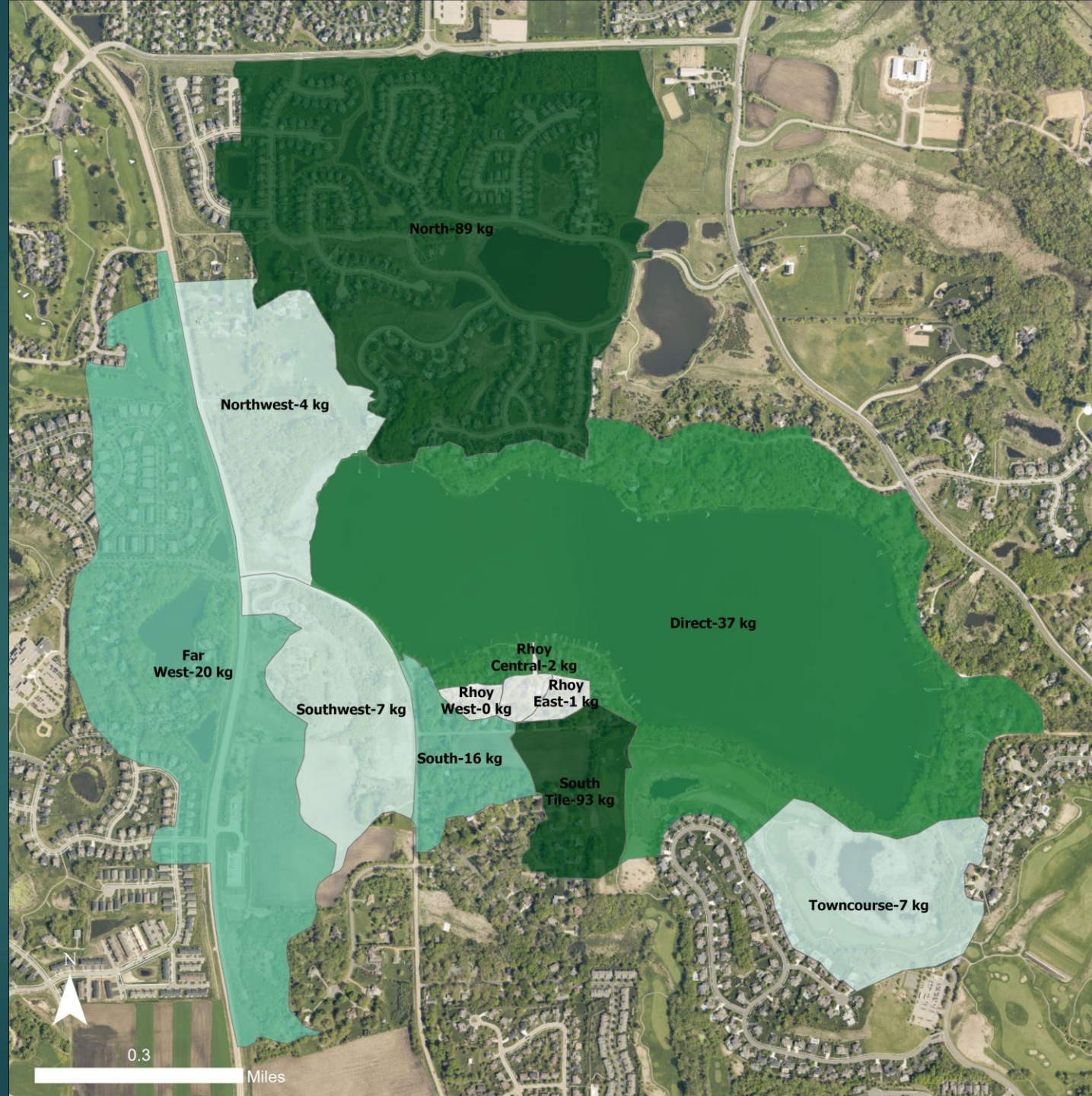


CARVER COUNTY

This map was created using Carver County's Geographic Information Systems (GIS). It is a compilation of information and data from various City, County, State, and Federal offices. This map is not a surveyed or legally recorded map and is intended to be used as a reference. Carver County is not responsible for any inaccuracies contained herein.

What

- ▶ Lake Management Plan
 - ▶ Sets realistic goals, objectives, and actions
 - ▶ Encourages partnerships
 - ▶ Identifies concerns that are important to residents
- ▶ Similar to a TMDL
 - ▶ Background information including land use, aquatic vegetation, fish populations, and water quality data.
 - ▶ Modeling of the lake to identify loading goals and hotspots
 - ▶ Implementation Plan
- ▶ Living Document

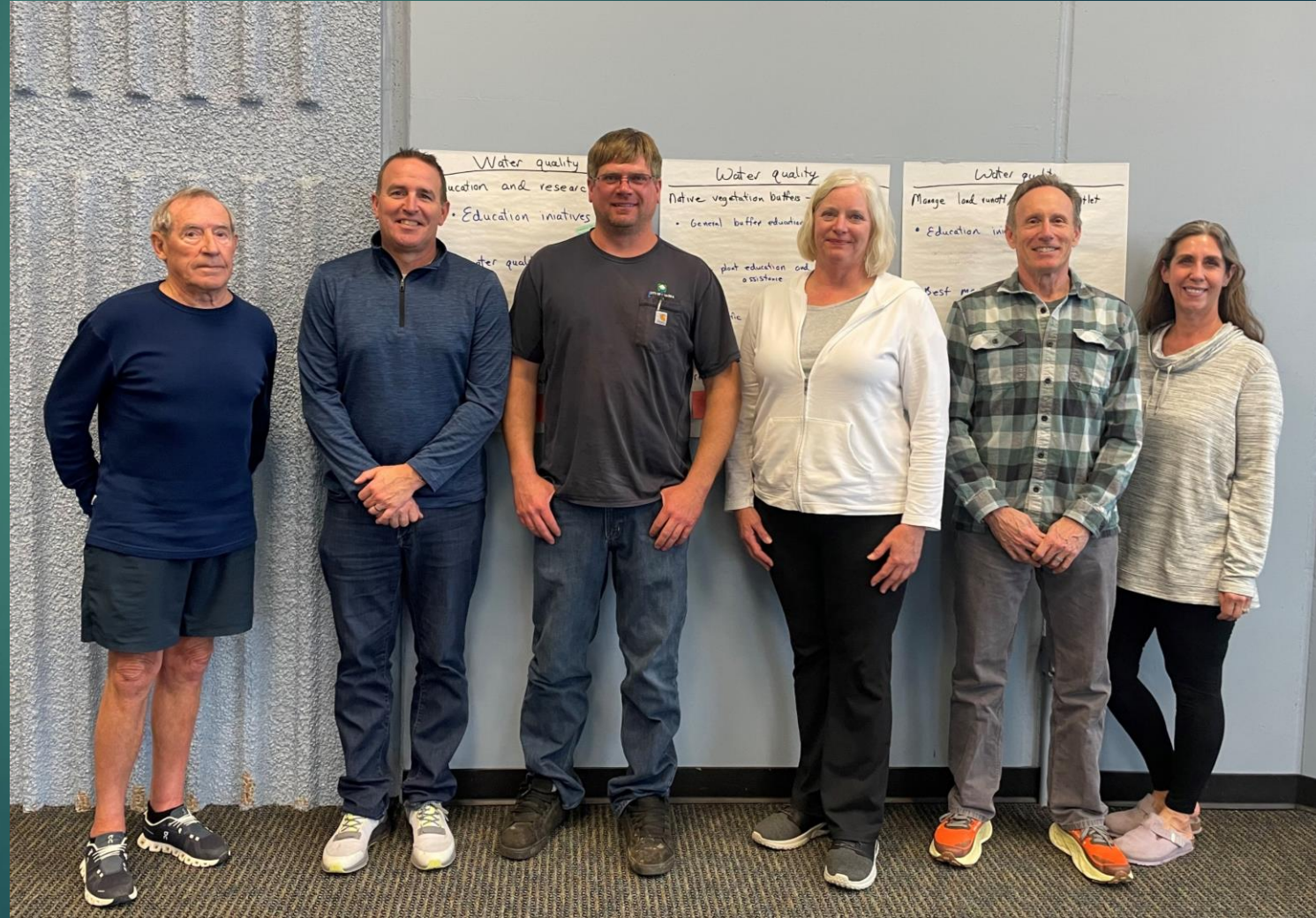


Stakeholder Group

- ▶ Convened a stakeholder group
 - ▶ 7 members
- ▶ Tasked with developing an implementation strategy and vision for the lake
 - ▶ Vision
 - ▶ *To preserve and improve Lake Bavaria's water quality and shorelines, creating a healthy, thriving ecosystem for current and future generations through collaborative partnerships, projects, and a commitment to stewardship.*
 - ▶ 92 tasks identified to address 30 Implementation Strategies spanning 11 Goals.

Stakeholder Group

- ▶ Four meetings over 5 months
- ▶ Helped identify
 - ▶ Concerns
 - ▶ Vision
 - ▶ Goals
 - ▶ Strategies



Future

- ▶ Complete a final plan document
 - ▶ Come back to this group with a draft during the July Meeting
- ▶ Advance identified tasks to in-the-ground projects
- ▶ Continue to work with the Stakeholder Group through various annual meetings, get togethers, and workshops
- ▶ Review collected data to track impact of actions.

Questions

