

- 1. Economic impact of the lakes
- 2. State of the Lakes
- 3. Renew the Blue Council



Our mission is to champion our lakes and watershed stewardship for the benefit of all

Healthy Waters = Thriving Community

Cultivate love for the lakes







- 1. Economic impact of the lakes
- 2. State of the Lakes
- 3. Renew the Blue Council



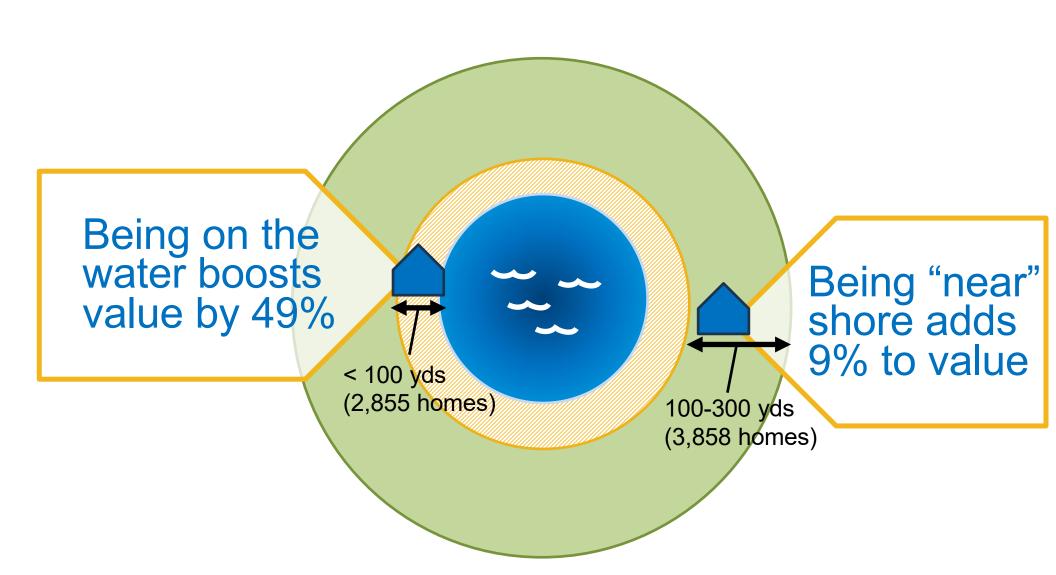
contributed annually from the lakes

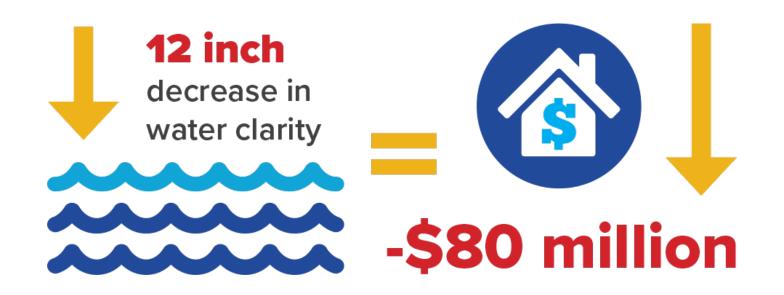
Direct: \$118 million

Indirect: \$ 53 million

Induced: \$ 49 million

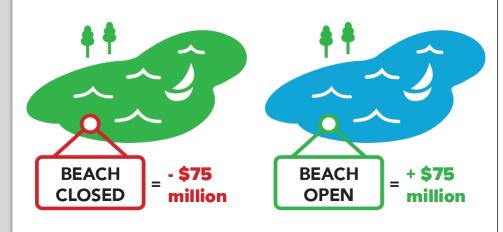
Homes close to the lakes add \$1.2 billion in increased tax base





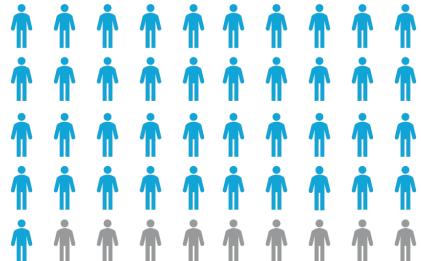






82%

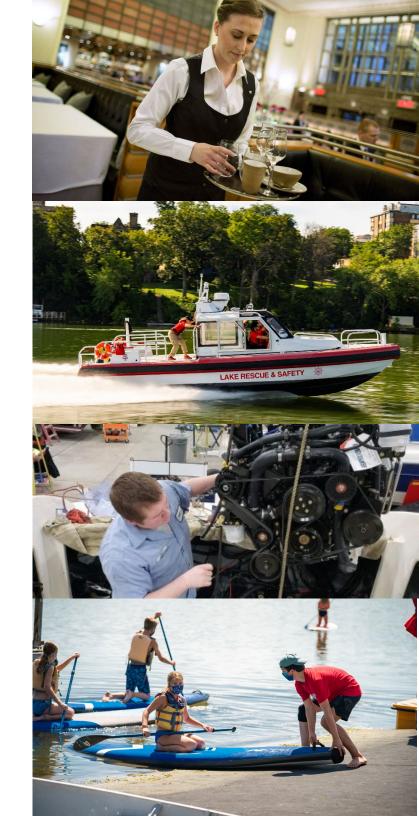
of Dane County residents are concerned about cyanobacteria blooms





Lake users spend (on average) \$21.11 per visit

1,800
FTE jobs
supported by
lake-user
spending



\$22.5 million • \$1.6 million



generated annually in property tax revenues through the contribution of • near-shore homes.

- state personal income tax
- \$0.7 million state business income tax
- \$6.0 million state and local taxes
- \$4.9 million local taxes from lake-related business activity

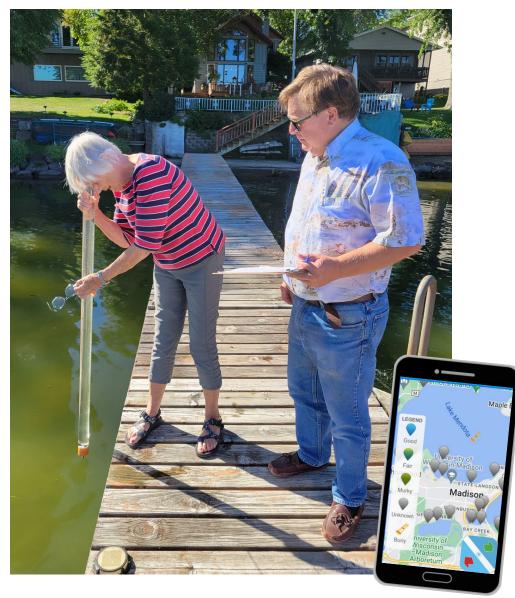


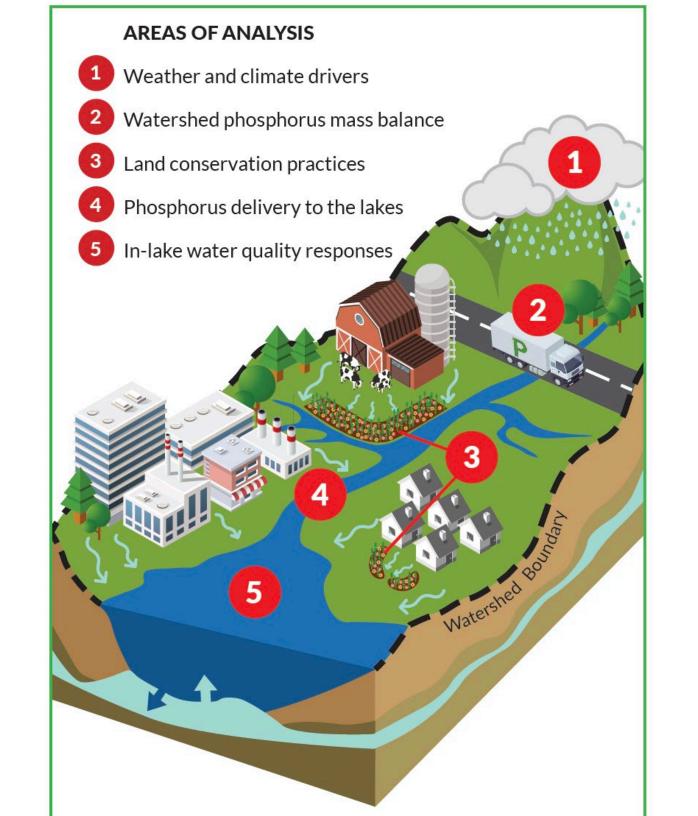


- 1. Economic impact of the lakes
- 2. State of the Lakes
- 3. Renew the Blue Council

Nurture and guide stewardship









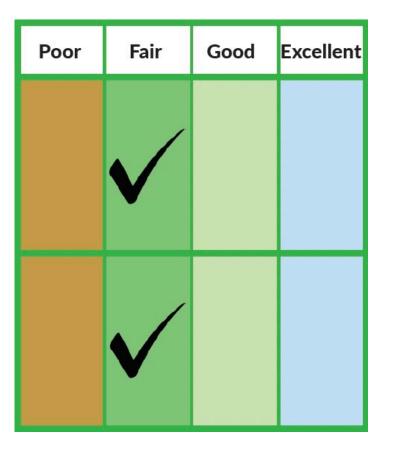


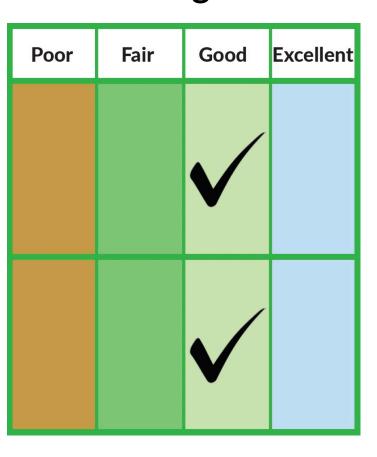
Mendota, Waubesa, Monona, Kegonsa

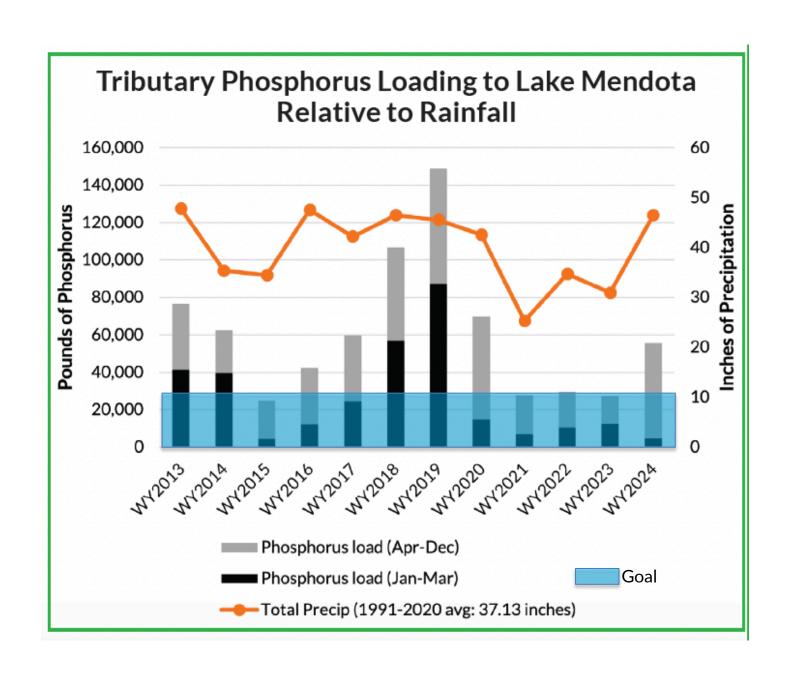
Wingra

2024 Phosphorus:

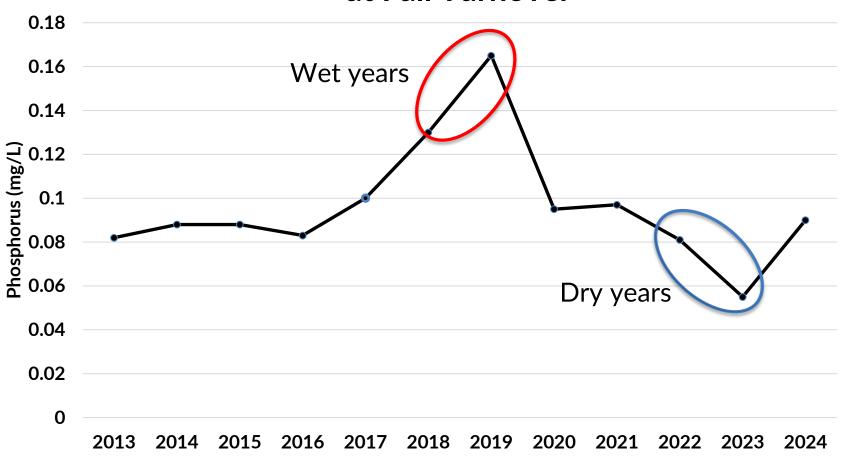
2024 Clarity:



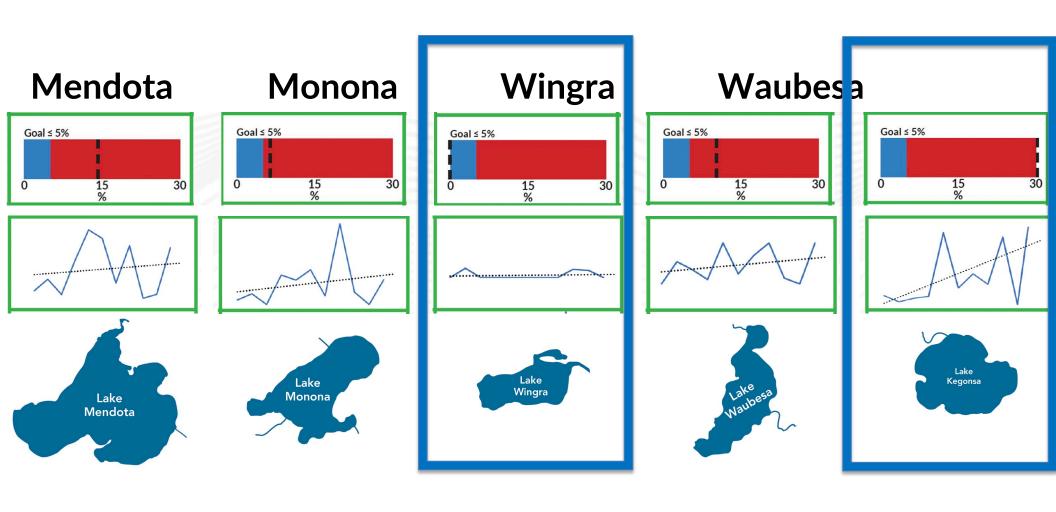




Lake Mendota Total Phosphorus at Fall Turnover



Cyanobacteria Blooms



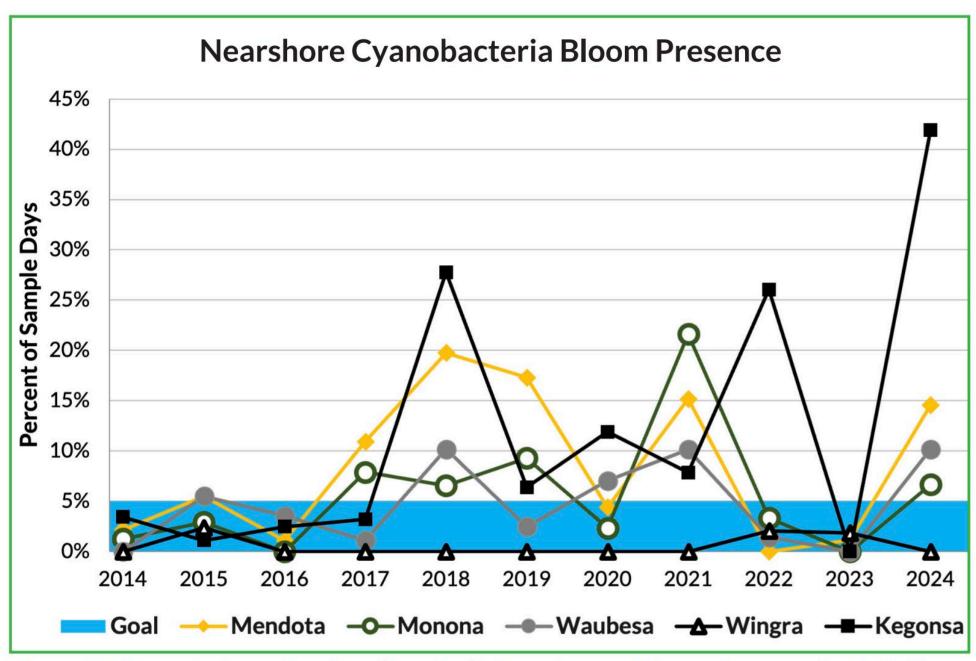


Figure 11: Percent of sampling days (Jun-Aug) when strong evidence of a cyanobacteria bloom was observed at one or more sites on each lake.

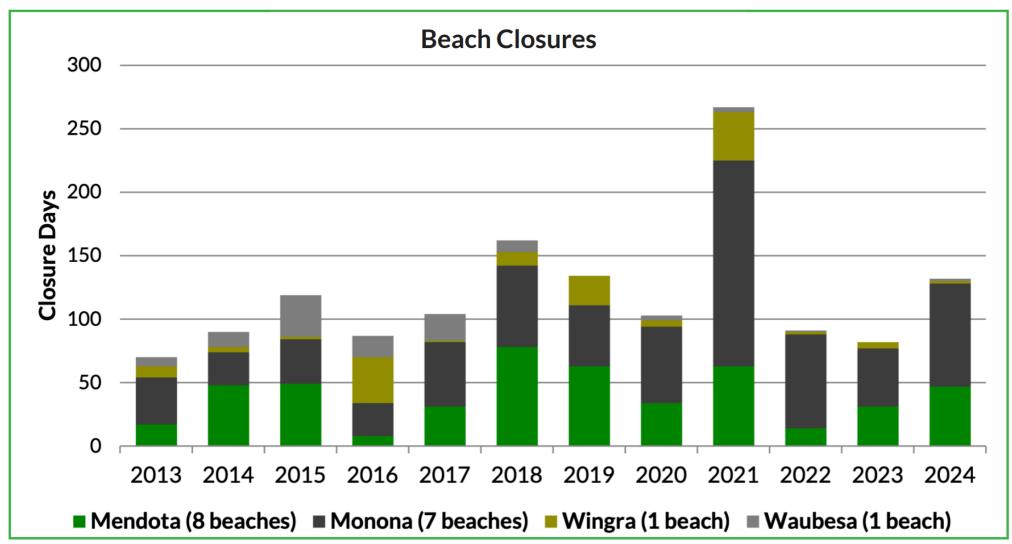
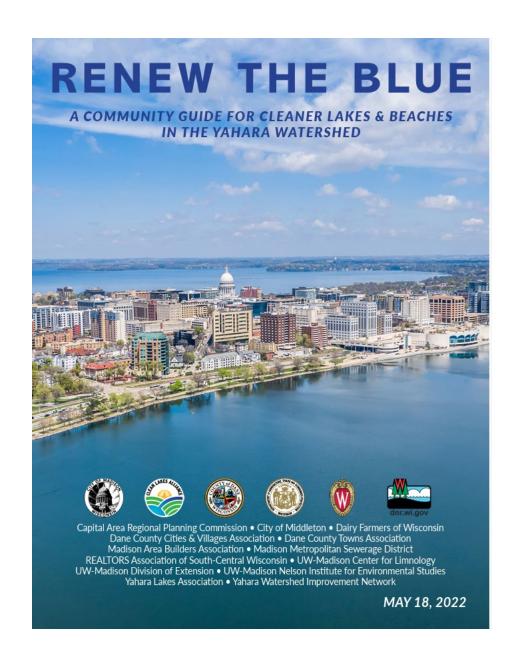


Figure 12: Beach closure days by lake. Includes beaches consistently monitored since 2013. Lake Mendota: Governor Nelson, Warner, Mendota County, James Madison, Memorial Union Pier, Marshall, Tenney (not tested in 2024), and Spring Harbor; Lake Monona: B.B. Clarke, Bernie's, Brittingham, Esther, Hudson, Olbrich, Olin; Lake Wingra: Vilas; Lake Waubesa: Goodland County; Lake Kegonsa: None. Data credit: Public Health Madison & Dane County.



- 1. Economic impact of the lakes
- 2. State of the Lakes
- 3. Renew the Blue Council

Advocate for needed solutions



Top Indirect-Impact Actions

- 1. Continue to work together as Yahara CLEAN Compact members. Maintain ongoing member meetings to collaborate on recommended actions, report progress, and coordinate around new initiatives. Ongoing collaboration should consider how actions might affect the watershed phosphorus mass balance, among other factors.
- 2. Increase participation in producer-led watershed groups. Expand farmer involvement in conservation planning and practice adoption through continued learning, information sharing, and distribution of cost-share incentives.
- 3. Complete an inventory of shoreline and beach conditions. Establish guidelines and criteria for the sustainable design, development, management, and restoration of shorelines and public beaches.
- 4. **Increase** *E. coli* **testing at public beaches.** Focus efforts on beaches shown to be most susceptible to problems. Assess *E. coli* bacteria sources at beaches with high closure rates so corrective measures can be taken.
- 5. Continue to track and report progress. Use and support the annual *State of the Lakes Report* as a means of outreaching to the community. Support continued maintenance and operation of stream-gaging stations that track changes in phosphorus loading.



September 9th 4:00-5:00 p.m. The East Side Club

Top Direct-Impact Actions

- 1 Daild additional manure-processing capacity. Support farmers in using existing manure-processing facilities or to build their own on-farm systems. Pilot a manure-collection and processing program targeting the critical January-March period with the highest overall phosphorus loading.
- 2. Increase the ability to handle and transport manure. Use composting and other processing techniques to allow for improved timing and targeting of applications. Minimize chemical fertilizer use by substituting with composted manure or other sources of crop nutrients generated within the watershed.
- 3. Increase farmland acres guided by a nutrient management plan. Use plans to improve operational decision-making, ensure the most efficient use of costly nutrient inputs, and reduce the risk of phosphorus loss.
- 4. Increase farmland acres under no-till (or reduced tillage) and continuous living cover. Limit soil disturbance and maintain a living root in the soil with cover/forage crops, harvestable buffer strips, overwintering hay, etc. to build better soil health and reduce erosion.
- 5. Increase municipal street-cleaning miles and frequency during fall. Regularly remove leaf litter from streets to prevent rainwater-leached phosphorus from entering storm sewer systems.
- 6. Protect internally drained lands and wetlands. Use closed depressions (accounting for an estimated 41% of the watershed) to naturally retain and absorb runoff. Maintain and restore wetland function to achieve similar benefits.
- 7. Increase green-infrastructure installations in parks, new developments, and on existing residential and commercial properties. Incorporate nature-based solutions such as rain gardens, bioswales, infiltration trenches, and permeable pavement to capture, absorb, and filter runoff. Use tools such as stormwater utility credits, rate adjustments, and recognitions to reward action.