Clean Water Fund Impaired Waters De-Listing



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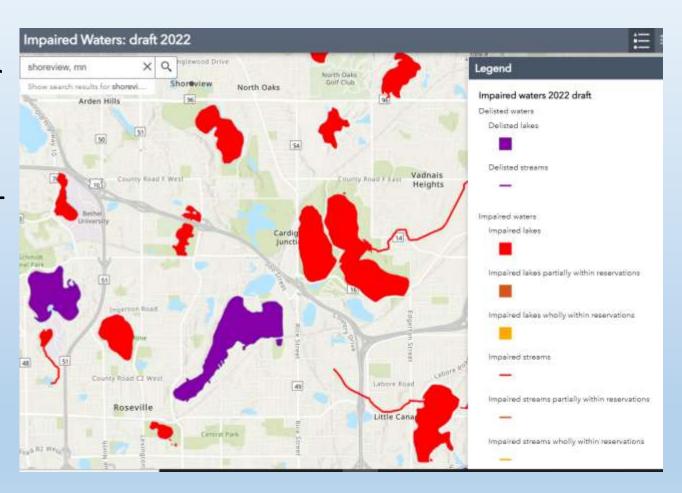
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23 March 2022 House Legacy Finance Committee



Impaired Waters

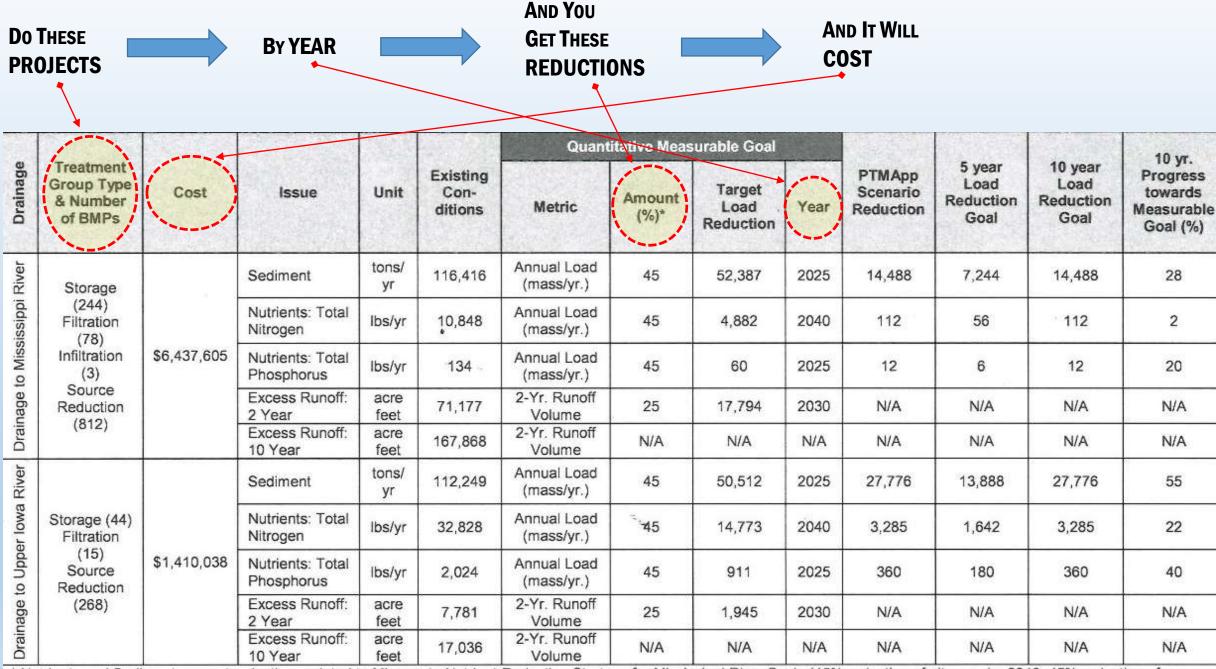
- Biennial list for U.S. EPA for waters that do not meet water quality standards
- MN impairments cover 30+ different standards
- We test in more places for more things than other states
- "De-listing" is a "lagging indicator" of success
- Overall impairments leveling off



How Do We Remove or Avoid Impairments?

- Test it & find source of problem (Monitoring, assessment & characterization)
- Make a plan to fix it (Watershed Restoration & Protection Strategies-WRAPS; One Watershed One Plan)
- Train people how to fix it or persuade landowners to act (Technical assistance)
- Set aside land where feasible (Protection strategies)
- "Restore" when necessary (Restoration and mitigation strategies)
- Measure
- "Local leadership & state funding"

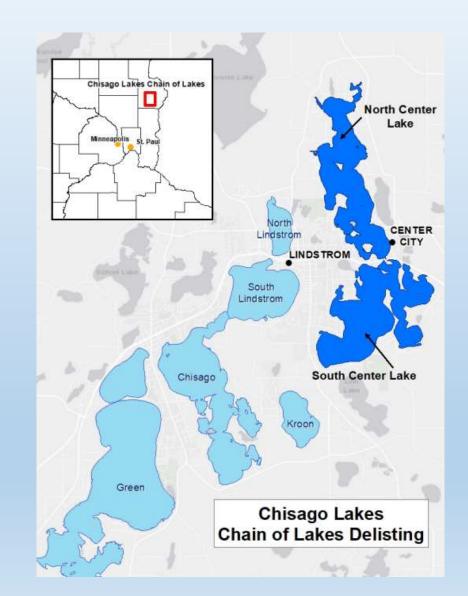




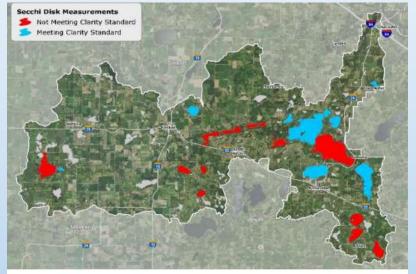
Excerpt from Root River "One Watershed One Plan"

Chisago Lakes

- Five years of CWF grants
- Leadership by Chisago SWCD
- Federal & local matching funds
- Hundreds of practices
 - Projects with 43 landowners
 - Lakeshore restoration
 - Rain gardens in town
 - Cover crops
 - "Moving dirt"
- Two lakes de-listed for phosphorus



Clearwater River Watershed District (Meeker, Stearns, Wright Counties)

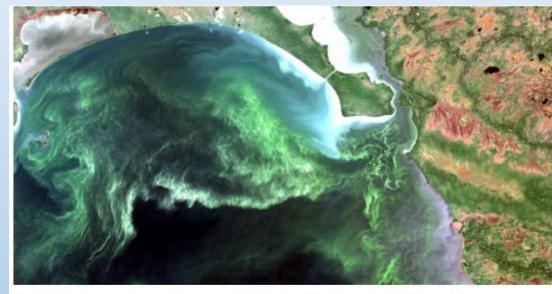


Secchi Disk Measurements

Not Meeting Clarity Standard

- Lake Augusta, Union Lake de-listed for phosphorus
- Rural conservation
 - Row crops to pasture
 - More precise fertilizer application
 - Pre-treatment basin
 - Limestone filter
- Urban stormwater improvement
 - Infiltration basin, wetland restoration, other BMPs in Kimball
- Matching federal funds
- Multiple CWF grants from BWSR

Innovating with Regulation



A satellite image shows algae growth in Lake Winnipeg, fueled in part by phosphorus carried in by the Red River.

- WWTPs require a permit
- Other phosphorus sources are unregulated
- 5 Red River Basin WWTPs have flexibility to pay landowners to reduce phosphorus upstream
- CWF-funded monitoring, planning, and expertise will help save money, get quicker results

Thank you!

