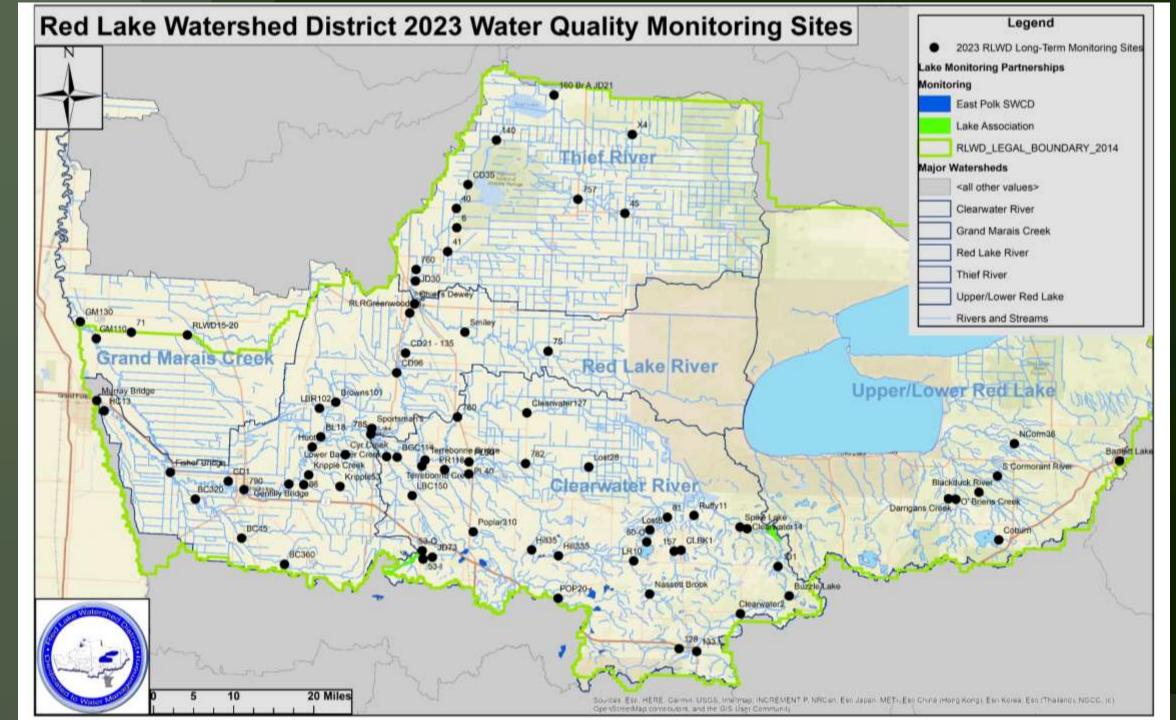


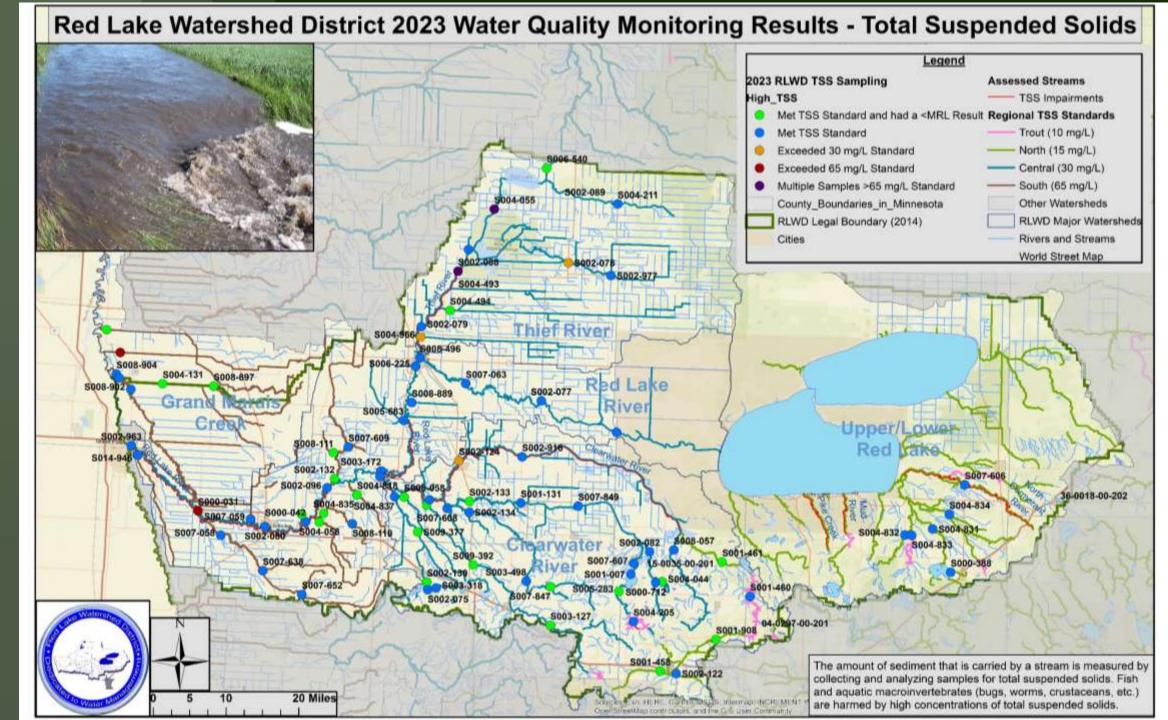
# Red Lake Watershed District Water Quality Projects

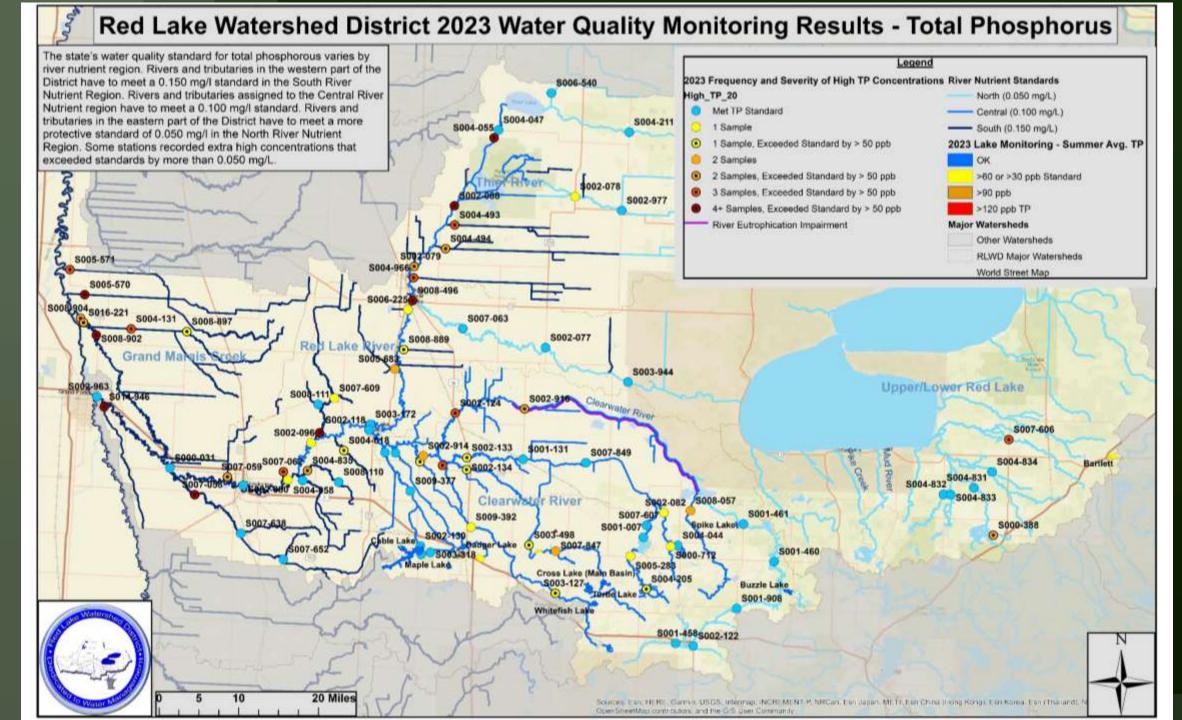


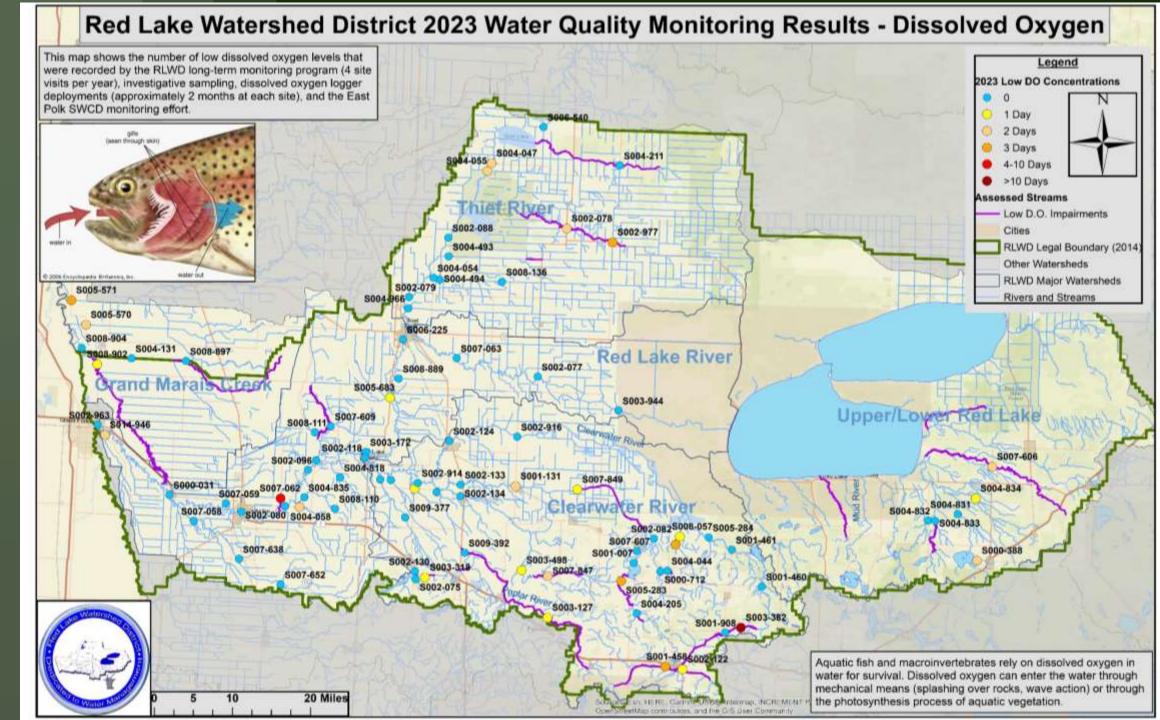


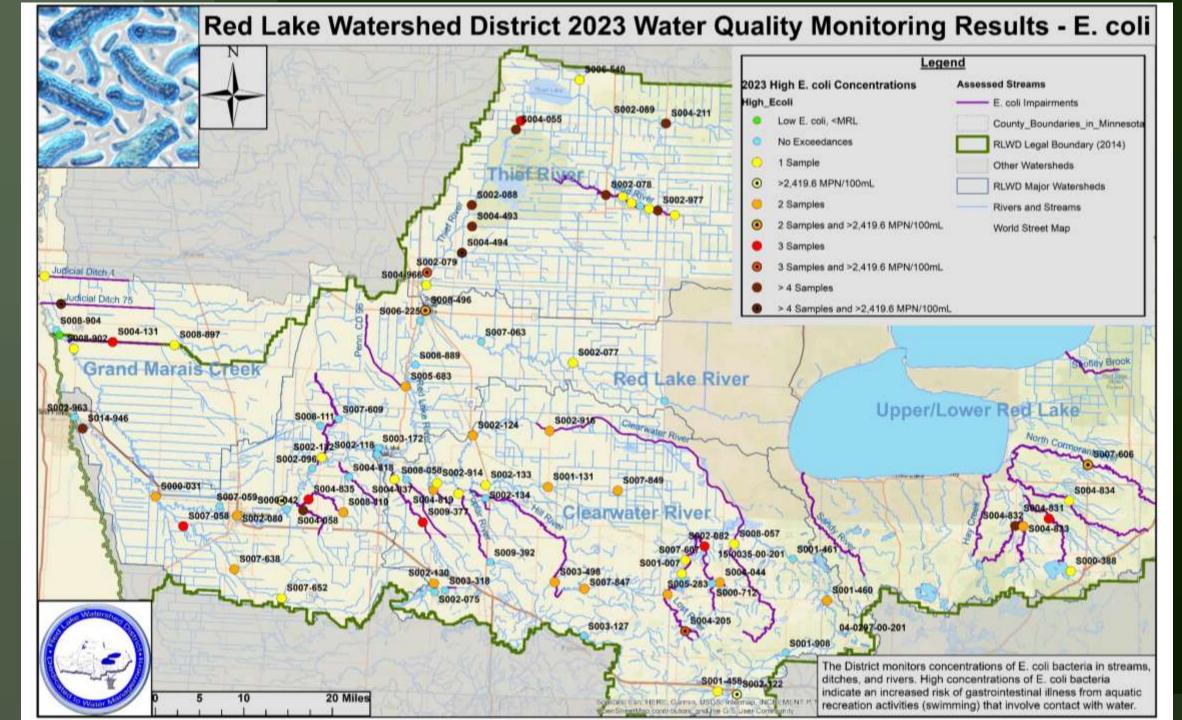


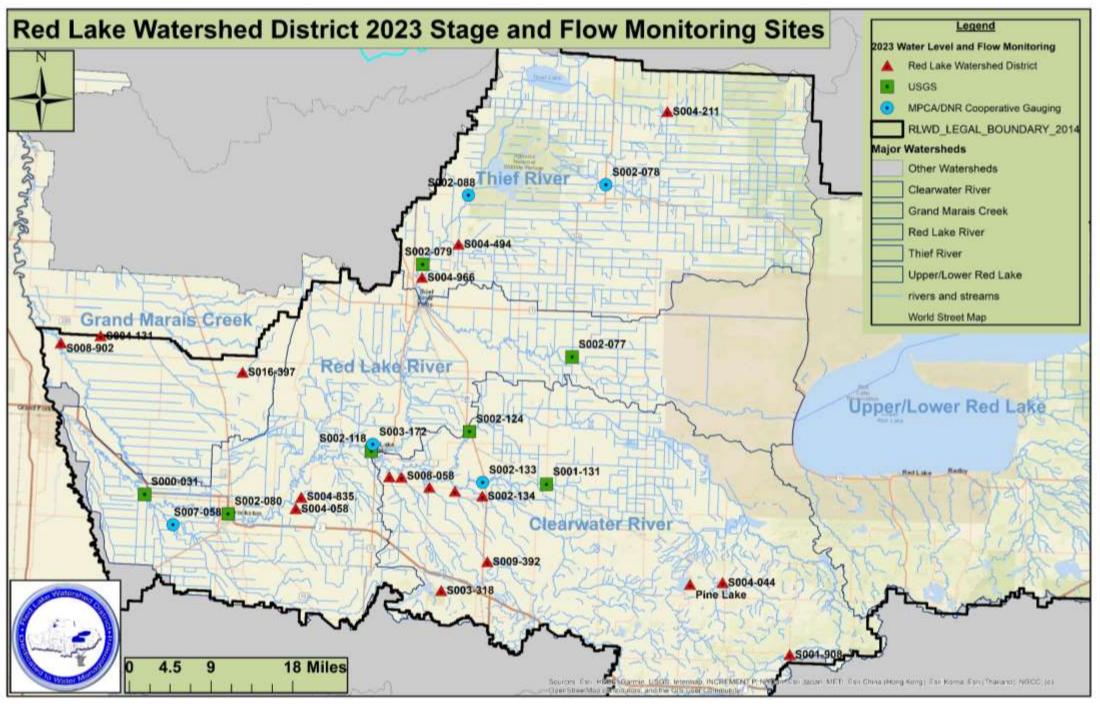


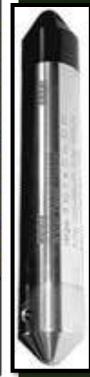






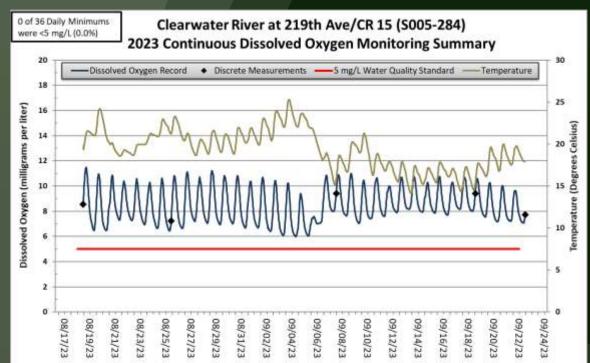




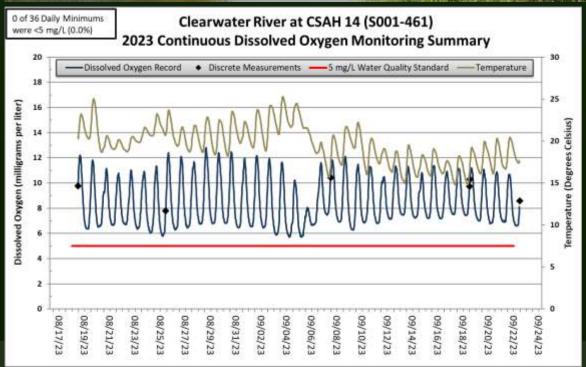


#### Continuous Dissolved Oxygen Monitoring









#### **Public Education**

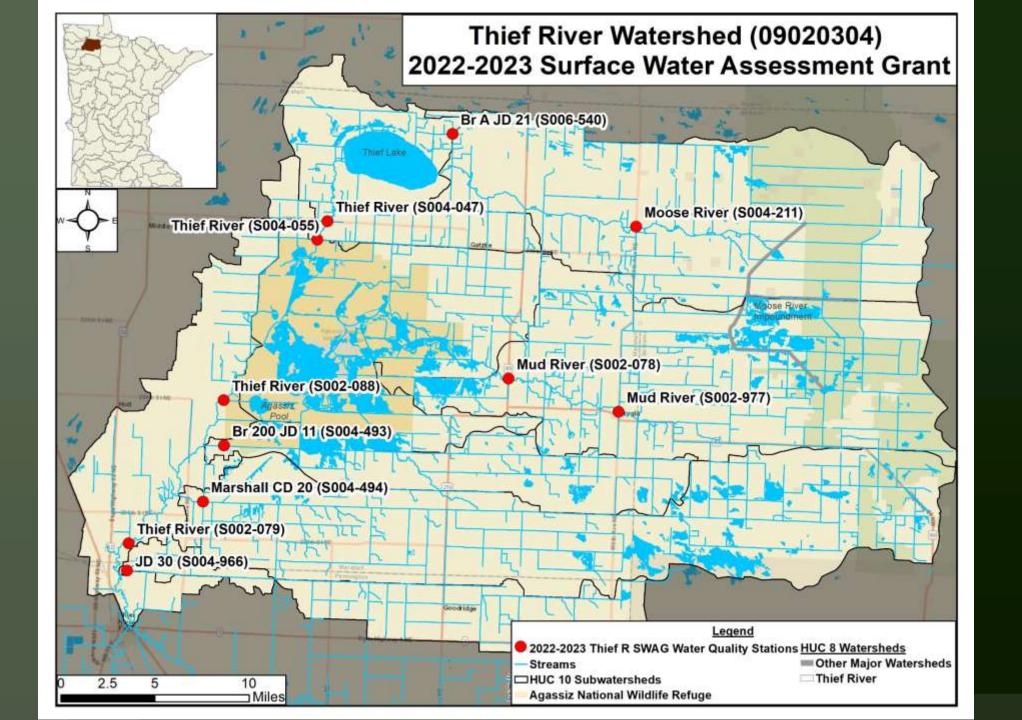


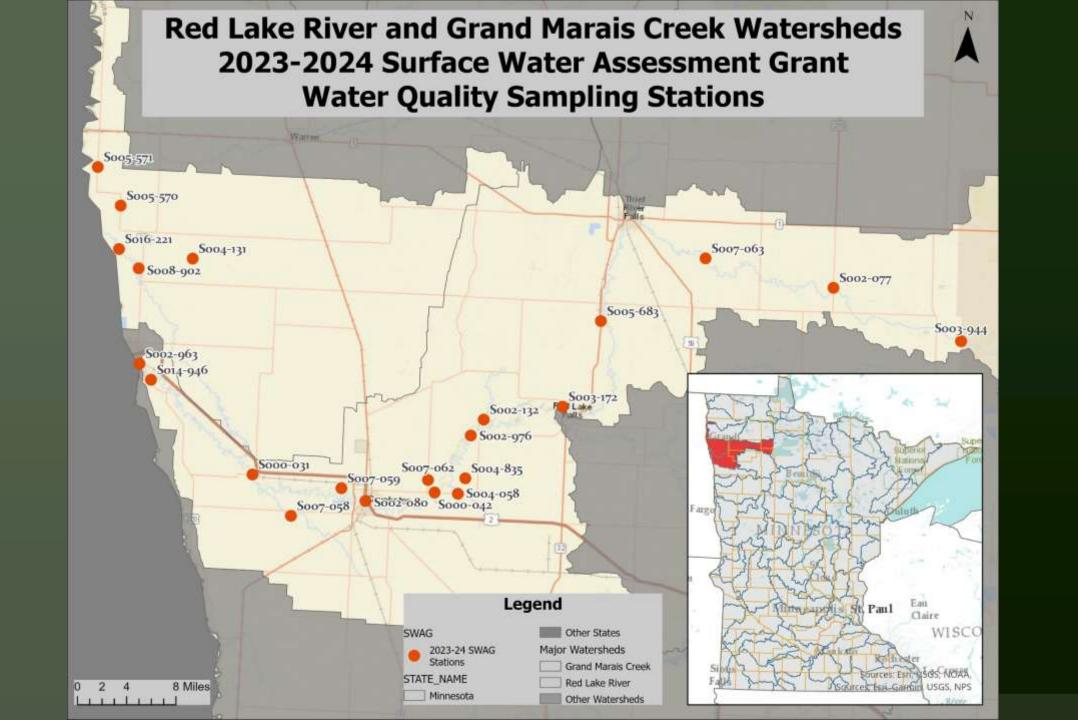


- River Watch
- River of Dreams
- Facebook page
- Websites
- Penn. Outdoor Education Day
- Northwest Minnesota Water Festivals
- Science Fair Judging
- Project Tours
- Newsletter Article Contributions

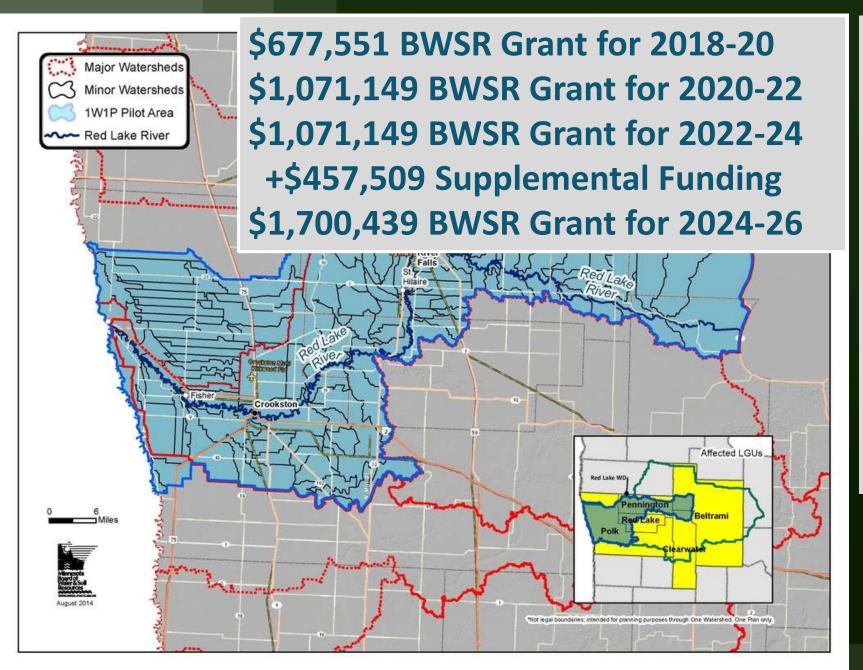
#### Blue Green Algae Monitoring







#### Red Lake River One Watershed One Plan



- Side Water Inlets
- Grade stabilization
- Ditch outlet stabilization
- Grazing management
- Targeted ag practices
- Streambank Stabilization
- Septic System Upgrades
- Project Development
- Technical Assistance and Engineering
- LiDAR Analysis
- Supplemental Funding for 2022-24 – JD60 and Huot



## Crescent Avenue (Crookston)



#### Houston Avenue Streambank Stabilizaton





## Polk County Ditch 99 Outlet Stabilization

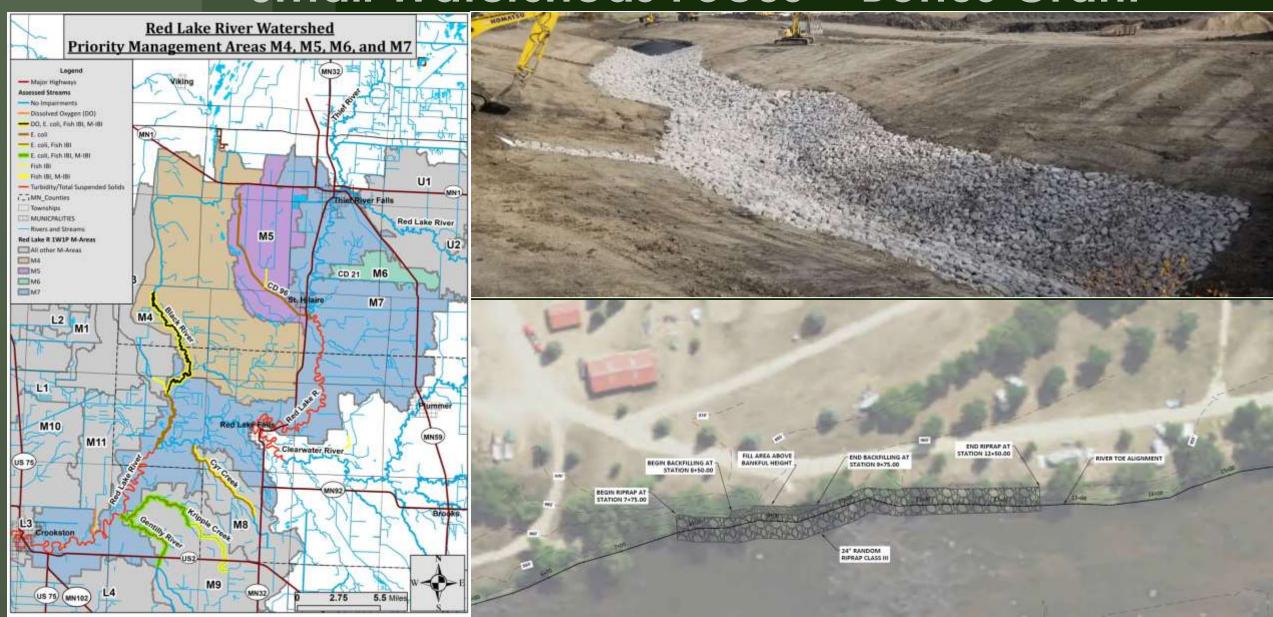




#### Polk County Ditch 99 Outlet Stabilization

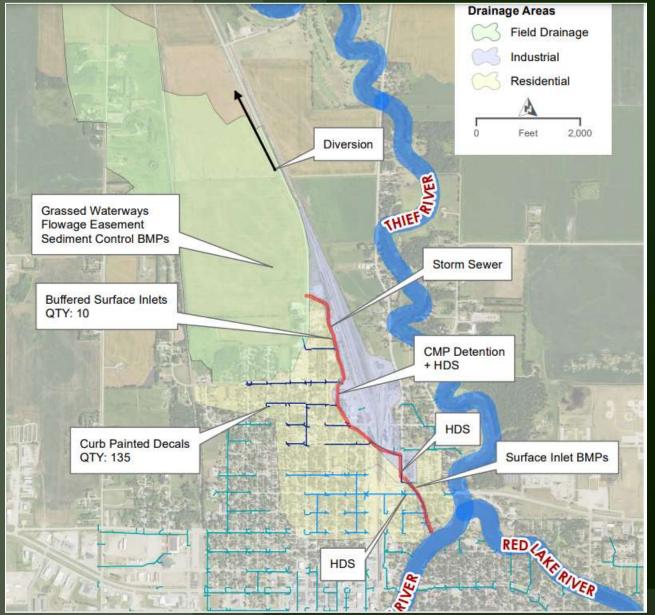


## Red Lake River 319 Grant Small Watersheds Focus + Bonus Grant





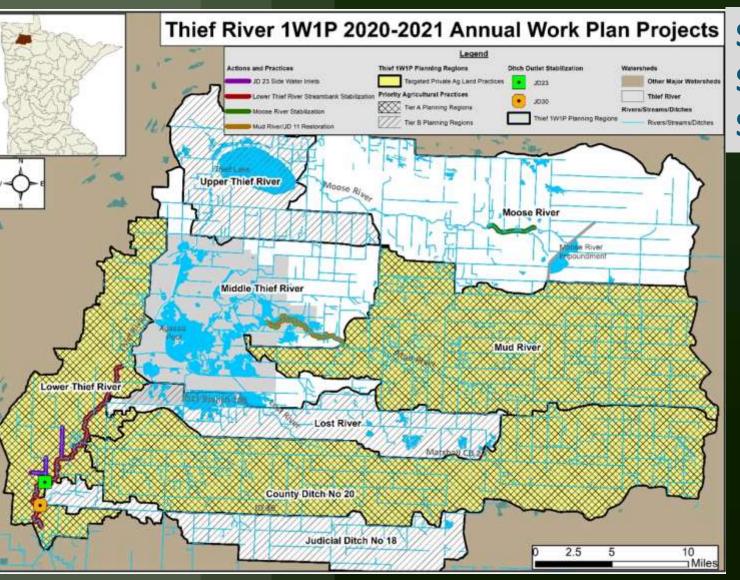
#### Chief's Coulee Stormwater Project







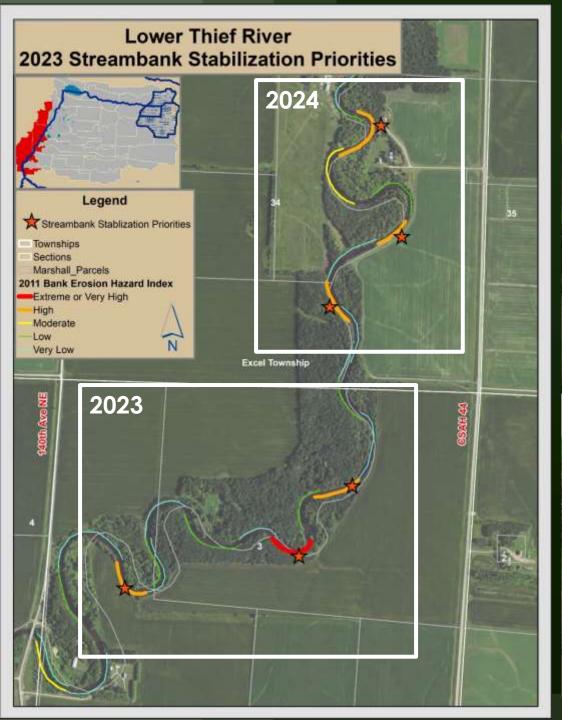
#### Thief River One Watershed One Plan



\$529,892 BWSR Grant for 2020-23 \$529,892 BWSR Grant for 2022-24 \$702,239 BWSR Grant for 2024-26

- Streambank Stabilization
- Drainage Outlet Stabilization
- Grade stabilization structures (SWIs)
- Project development
- Technical assistance and engineering
- Forest Stewardship Plans
- LiDAR Analysis





#### Streambank Stabilization

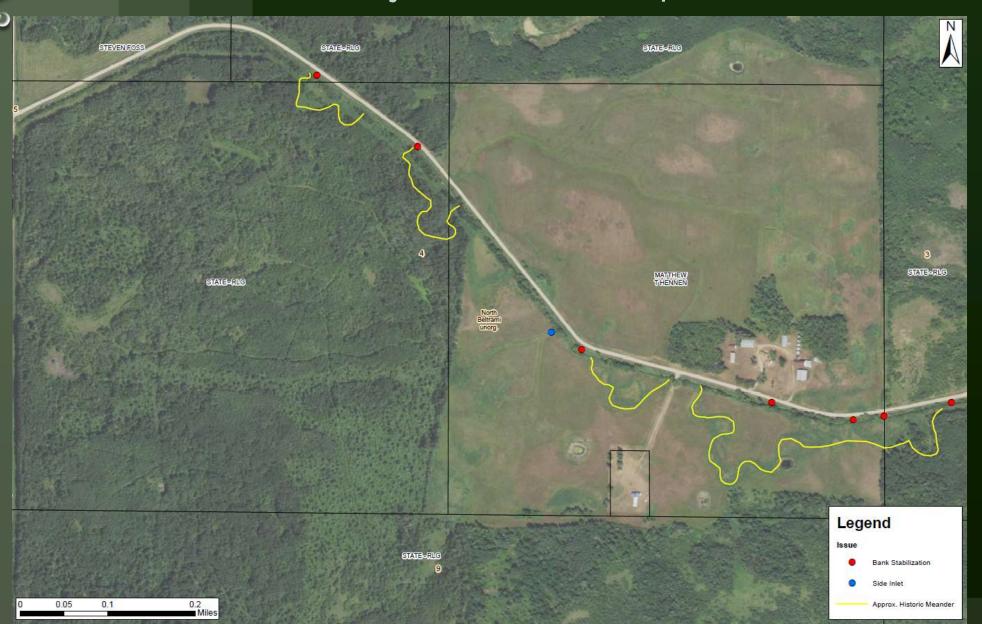




#### Moose River Erosion Control Project Development

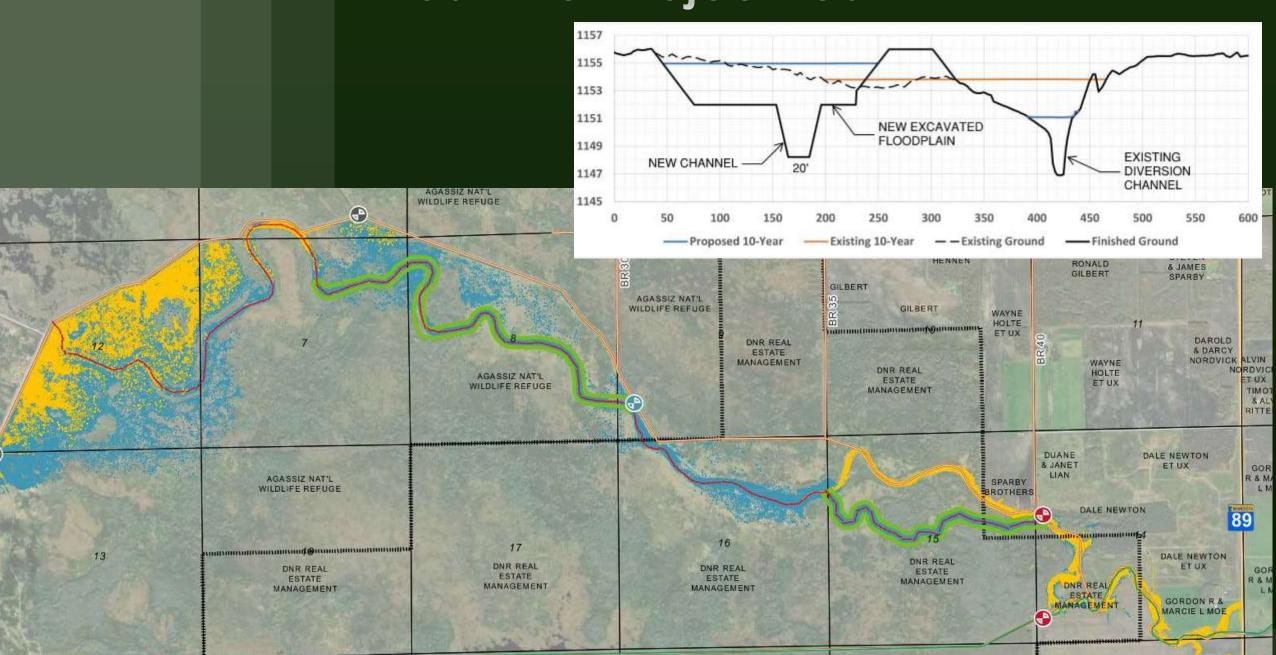


## Moose River Project Development





## Mud River Project Team



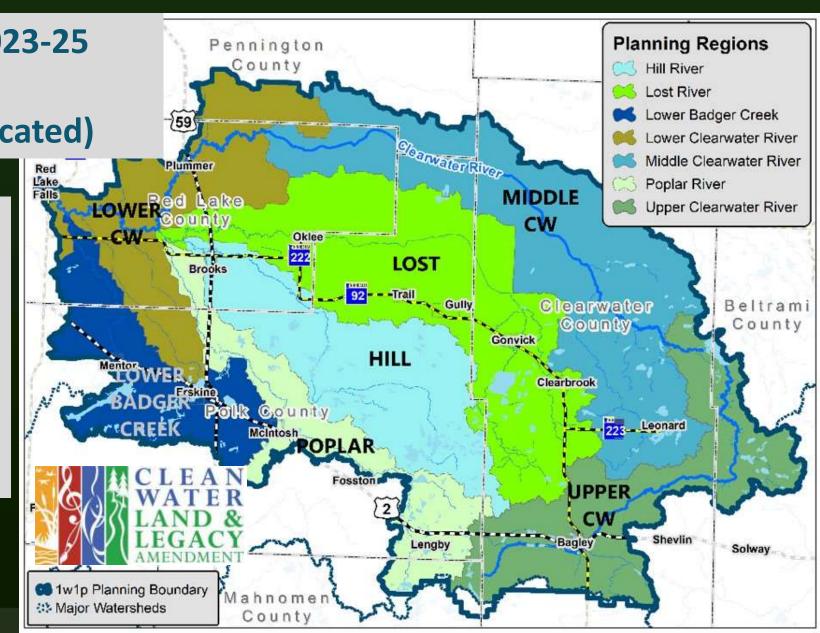
#### Clearwater River One Watershed One Plan

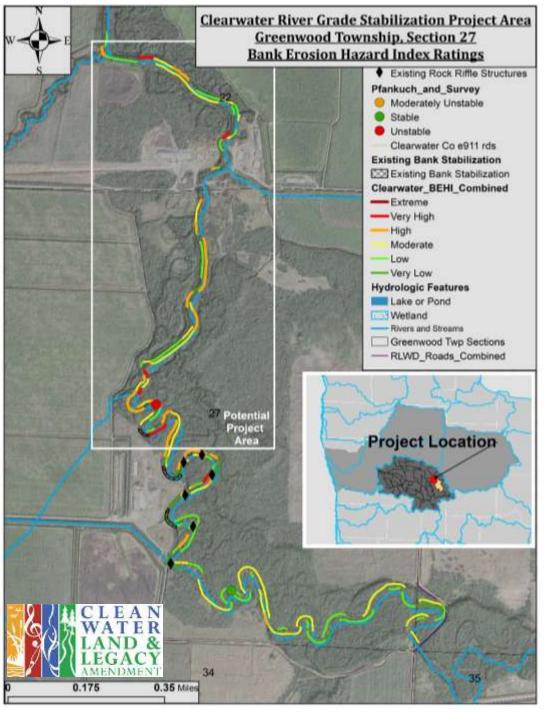
\$974,726 BWSR Grant for 2023-25

+Supplemental Funding

\$1,485,882 for 2025-27 (allocated)

- Streambank Stabilization
- Drainage Outlet Stabilization
- Grade stabilization structures (SWIs and WASCOBs)
- Project development
- Technical assistance and engineering
- Forest Stewardship Plans
- LiDAR Analysis
- No-till drill
- Non-structural ag practices





#### Clearwater River Stabilization



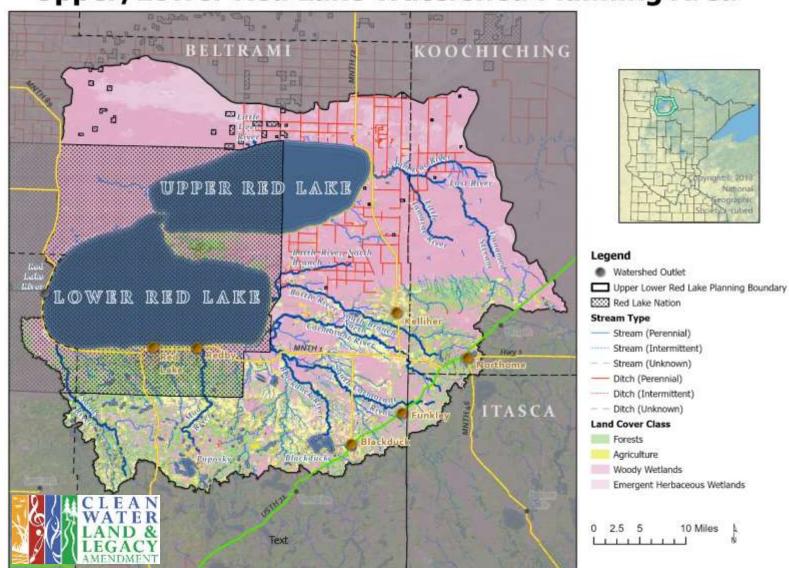


#### Upper/Lower Red Lakes 1W1P





#### **Upper/Lower Red Lake Watershed Planning Area**





#### <u>Water Quality Partnerships</u>

- Envirothon sponsorships
- SWCD Water Resource Advisory Committees
- One Watershed One Plan
- Cost-share for SWCD erosion control projects (match)
- MPCA WRAPS, TMDLS, and Intensive Watershed Monitoring
- Lake Sampling East Polk SWCD and Volunteers
- Beltrami County Forestry Plan
- Polk County AIS Task Force
- RRWMB Water Quality Funding
- Keep It Clean
- RRWMB Water Quality Funding CD99
- Polk County Highway Department (CD99)





#### Projects for 2024

- One Watershed One Plan Implementation Projects
  - □ Red Lake River, Thief River, and Clearwater River
- Upper/Lower Red Lakes 1W1P Development
- River Watch and public education
- Water quality sampling at long-term monitoring sites
- Blue-green algae and AIS monitoring
- Dissolved oxygen loggers
- RRWMB Base Water Quality Funding
- Surface Water Assessment Grant Sampling
- Lake Monitoring Partnerships
- Chief's Coulee stormwater treatment project

#### For more detailed information...





RLWD SUBWATERSHEDS

CLEANURER ADDRESS

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RECINCIPION



#### Learn More About Your Watershed and its Subwatersheds

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#### RLWD Subwatershed Links:

- County for
- Delline
- · Declaration
- 4. Untertained Red Line
- A CONTRACTOR COMM.

- www.redlakewatershed.org
- www.rlwdwatersheds.org
- www.facebook.com

