



Project Update

August 10, 2023

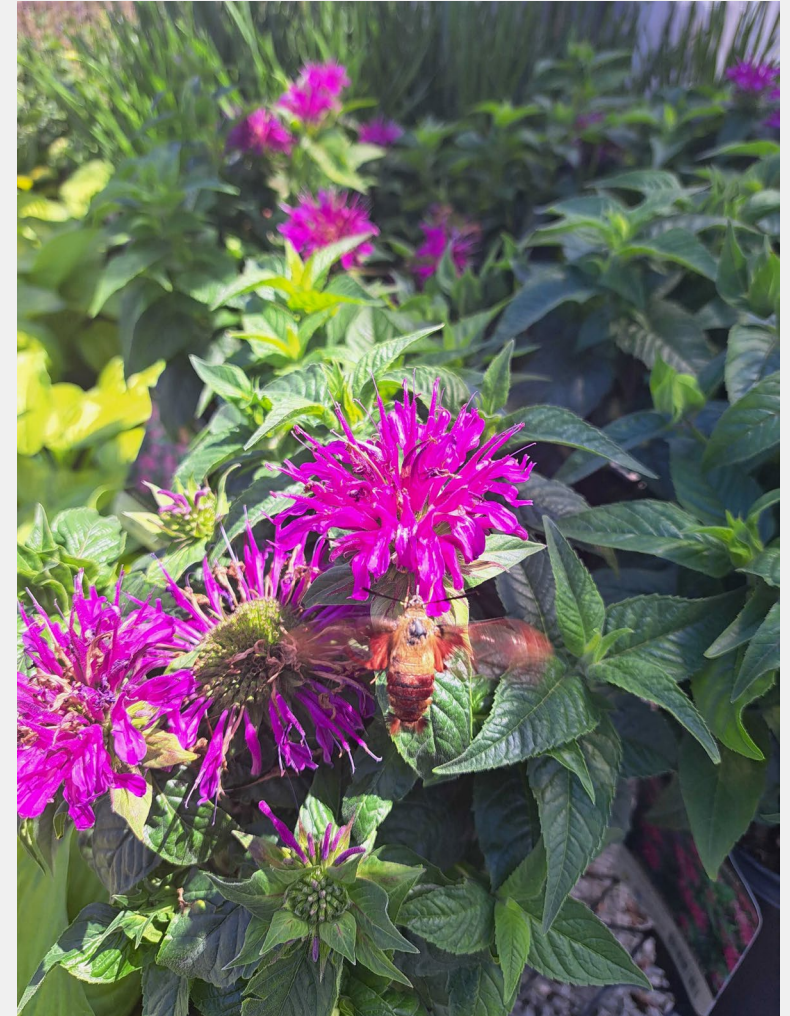
Blayne Eineichner, Project Coordinator





Introduction

- These slides are intended as an informational update of progress on the many projects underway throughout the District.
- Similar information will also be presented in this month's Administrator's report.
- If there are any questions regarding this update, please reach out directly to the Administrator and/or staff in advance of the board meeting.

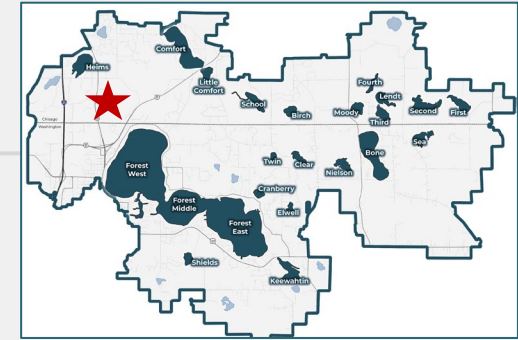


Hummingbird Moth feeding on Bee Balm.
Photo courtesy of Bobbie Law.



Sunrise River HWY-61 Wetland Enhancement

Formerly known as the "Tax Forfeit Project"



Project:

Wetland enhancement – hydrology restoration and treatment of ditch flow from the Heims Lake / Hwy 35 subwatershed area

Project Phase 4: Implementation

Benefit:

~89 lbs/yr phosphorus and 51,740 lbs/yr TSS load reductions at the Sunrise River

~65 lbs/yr and 18,600 lbs/yr TSS reductions at Comfort Lake

+ wildlife habitat and ecological benefits

Lifetime cost per pound phosphorus reduction:

\$618/lb.TP/yr

Status:

All project elements completed. Punchlist work complete. Waiting on closeout documents from PCO.

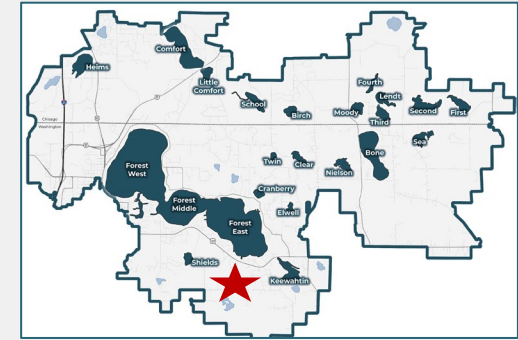


7-31-23

**A Chisago County
Petition Project**



County Road-50 Iron Enhanced Sand Filter (CR50 IESF)



Project:

Iron Enhanced Sand Filter in the Washington Judicial Ditch 6 Subwatershed of Forest Lake

Project Phase 4:

Implementation

Benefit:

Est. 97 lbs/yr phosphorus load reduction

Est. 3,000 lbs/yr TSS reduction to Forest Lake

Lifetime cost per pound phosphorus reduction:

~\$514/lb.TP/yr

Status:

The project is fully operational. System calibration and fine tuning will be ongoing for the first year of operation. Dry conditions have limited the operation of the system. Project close out waiting on closeout documents and a few remaining punch list items.



Vegetation establishment as of 7-31-23



Moody Lake Capstone Projects

Project:

several small wetland enhancements, legacy load removal, and agriculture best management practice (BMP)

Project Phase 3: Design

Benefit: 62lbs/yr phosphorus reduction

~9,000 lbs/yr TSS reduction with Ag BMP's

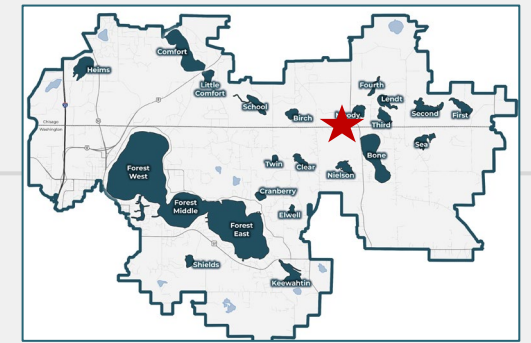
Lifetime cost per pound phosphorus reduction:

\$400/lbs.TP/yr

Status:

Landowner permission / easements in place. Permitting underway.

EOR working on final designs. Contractor solicitation will occur this summer.



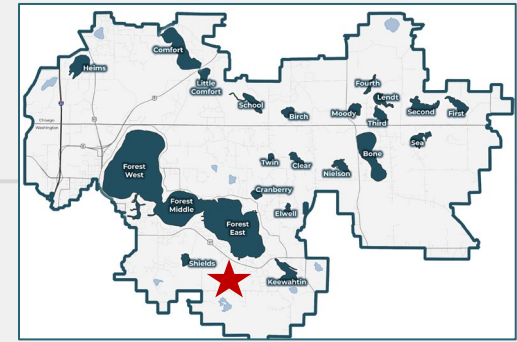
Legacy Load Removal Area



Moody Park and Round Barn Project Area



WJD6 Western Tributary Wetland Enhancement



Project:

Wetland enhancement / connectivity, hydrology restoration

Project Phase 2:

Feasibility

Benefit:

~20 lbs/yr phosphorus reduction

~3,200 lbs/yr TSS reduction

Lifetime cost per pound phosphorus reduction:

\$1,043

Status:

Landowner agreement in place. Wetland permitting approved by WCA and ACOE.

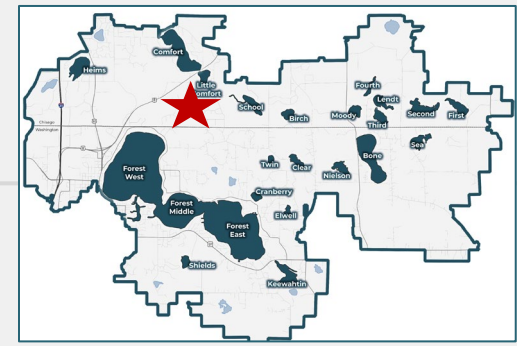
EOR working on final designs. Contractor solicitation to occur this month.



Project rendering



Little Comfort Lake Subwatershed Enhancement



Project:

Wetland stormwater outflow treatment

Project Phase 2:

Feasibility

Benefit:

unknown

Lifetime cost per pound phosphorus reduction:

TBD

Status:

Feasibility phase pivoting to alternative projects. Landowner outreach and project conceptualization underway.

