



CCWMO Plan Update – Project List

CITIZEN ADVISORY COMMITTEE MEETING

SEPT 24, 2024



**BACKGROUND
& NEED**

Background & need

- ▶ CCWMO Water Management Plan adopted 2020.
- ▶ Plan policy directs staff to update the project list (table 5-5 of the plan) on a **bi-annual basis**. The list was last updated in 2022.
- ▶ The project list is used to **plan and budget** for WMO Levy funded capital projects and grant requests.
- ▶ **State grant requests require** projects to be included in local plans.

Background

- ▶ Sources for new projects
 - Solicit ideas from City staff and engineers
 - Solicit ideas from SWCD & WMO staff
 - Project recommendations from completed feasibility studies

What is being updated?

Table 5-5 – CCWMO Projects

Table 5-5. CCWMO Projects

ID	Project Description & Need	Sub-watershed	Benefitted Waterbody	Project Type	Project Partners	Timeframe ¹	Total Cost ²	CCWMO Cost ²	Notes
1	Lake Waconia SWA Implementation. Implement strategies identified in the Lake Waconia Subwatershed Analysis Feasibility Study to preserve and protect the quality of Lake Waconia. Projects will be completed as time and funding allow.	Carver Creek	Lake Waconia (Priority 1)	Stormwater BMPs	City of Waconia	Short-, mid-, long-term	\$150,000	\$50,000	
2	Eagle Lake SWA Implementation. Implement strategies identified in the Eagle Lake Subwatershed Analysis Feasibility Study to improve the quality of Eagle Lake. Projects will be completed as time and funding allow.	Crow River	Eagle Lake (Priority 1)	Stormwater BMPs	Parks Department, SWCD	Short-, mid-, long-term	\$100,000	\$50,000	
3	East Chaska Creek Chain of Lakes SWA Implementation. Collaborate with the City of Chaska to implement strategies identified in the East Chaska Creek Chain of Lakes Subwatershed Analysis Feasibility Study. Projects would reduce impervious surfaces and add stormwater treatment for currently untreated areas and improve the quality of stormwater runoff reaching the East Chaska Creek Chain of Lakes. Projects will be completed as time and funding allow.	East Chaska Creek	East Chaska Creek Chain of Lakes (Priority 2)	Stormwater Retrofit	City of Chaska	Short-, mid-, long-term	\$200,000	\$50,000	
4	Swede Lake TMDL Implementation. Implement strategies identified in the Swede Lake TMDL Implementation Plan to improve the water quality in Swede Lake.	Pioneer Creek	Swede Lake (Priority 2)	Lake Restoration	SWCD	Short-, mid-, long-term	\$115,000	\$50,000	

- ▶ Project description
- ▶ Subwatershed
- ▶ Benefitted Waterbody
- ▶ Project Type
- ▶ Partners
- ▶ Timeframe
- ▶ Total Cost
- ▶ CCWMO Cost

Sources for new projects

- ▶ WMO feasibility studies and other plans
- ▶ City engineers and water resource staff
- ▶ SWCD staff
- ▶ WMO staff



**SUMMARY
OF CHANGES**

Summary of changes

Project <u>Update Status</u>	Count
Existing (currently included in the list)	50
New (added to the list)	25
Completed	10
Removed (duplicate project)	1
Removed (broken out into more specific projects)	3
Total	89

Summary of changes

By <u>Project Type</u> (new/added)	Count
Bank Stabilization	9
Education	-
Feasibility Study	5
Lake Management or Restoration	1
Stream Management or Restoration	4
Native Plant Community Restoration	-
Wetland Restoration	2
SSTS Upgrades	-
Stormwater BMPs	3
Stormwater Retrofit	1
Total	25

Summary of changes

By <u>Project Type</u> (already currently included)	Count
Bank Stabilization	9
Education	2
Feasibility Study	1
Lake Management or Restoration	7
Stream Management or Restoration	3
Native Plant Community Restoration	2
Wetland Restoration	4
SSTS Upgrades	4
Stormwater BMPs	7
Stormwater Retrofit	11
Total	50

Summary of changes

By <u>Project Type</u> (removed)	Count
Bank Stabilization	6
Education	-
Feasibility Study	1
Lake Management or Restoration	2
Stream Management or Restoration	2
Native Plant Community Restoration	-
Wetland Restoration	1
SSTS Upgrades	1
Stormwater BMPs	-
Stormwater Retrofit	1
Total	14



**OVERVIEW OF
NEW PROJECTS**

Bank Stabilization

- ▶ **Total projects:** 9
- ▶ **Waterbodies benefitted:**
 - ▶ Carver Creek, Reitz Lake, Grace Lake, Lake Waconia, Chaska Creek, Seminary Fen
- ▶ **CCWMO cost range:**
\$10,000 - \$100,000
- ▶ **Total cost range:**
\$10,000 - \$1,000,000



Bank erosion on Bevens Creek

Bank Stabilization

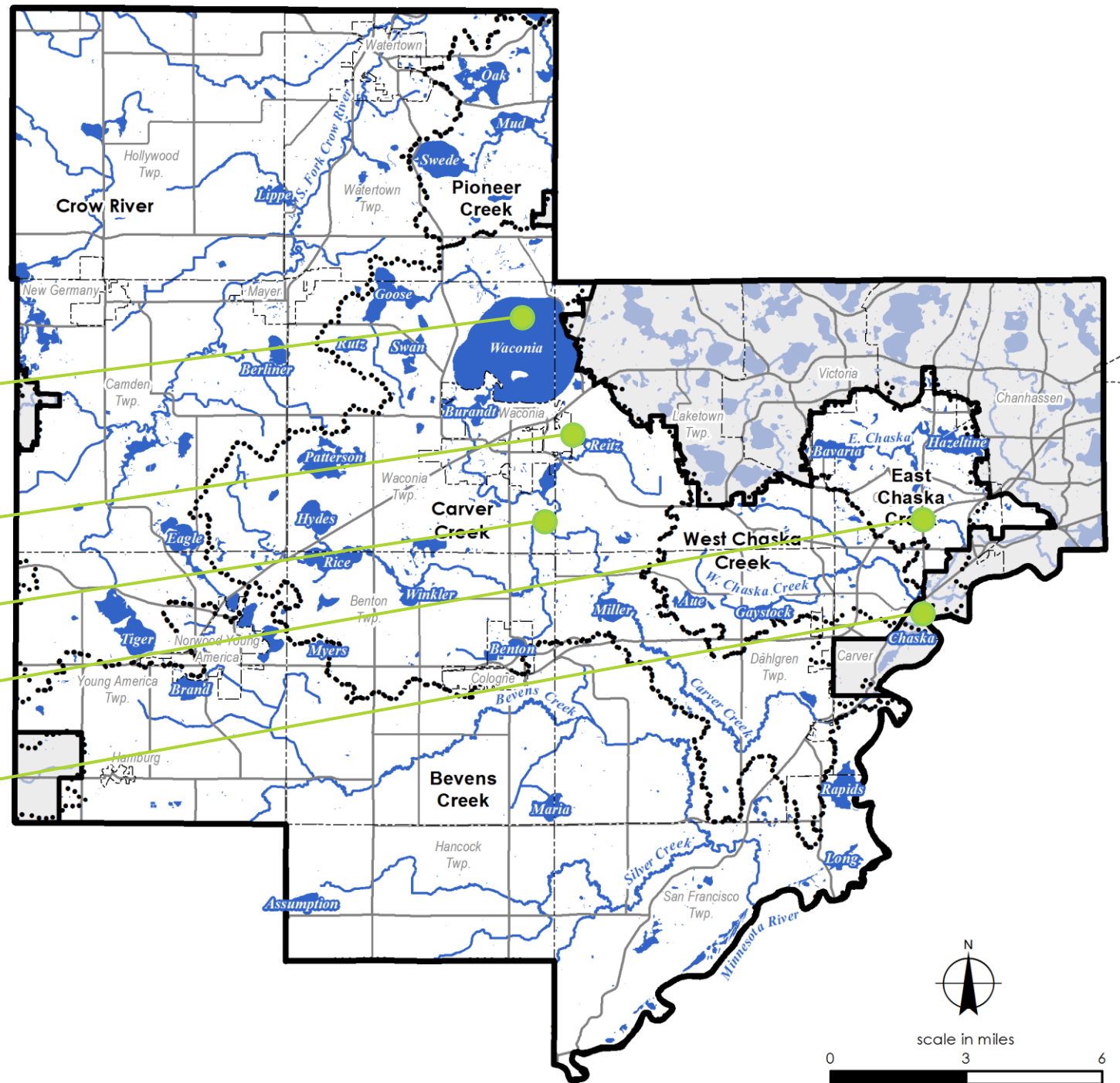
Lake Waconia

Reitz Lake

Carver Creek

Lake Grace

Seminary Fen



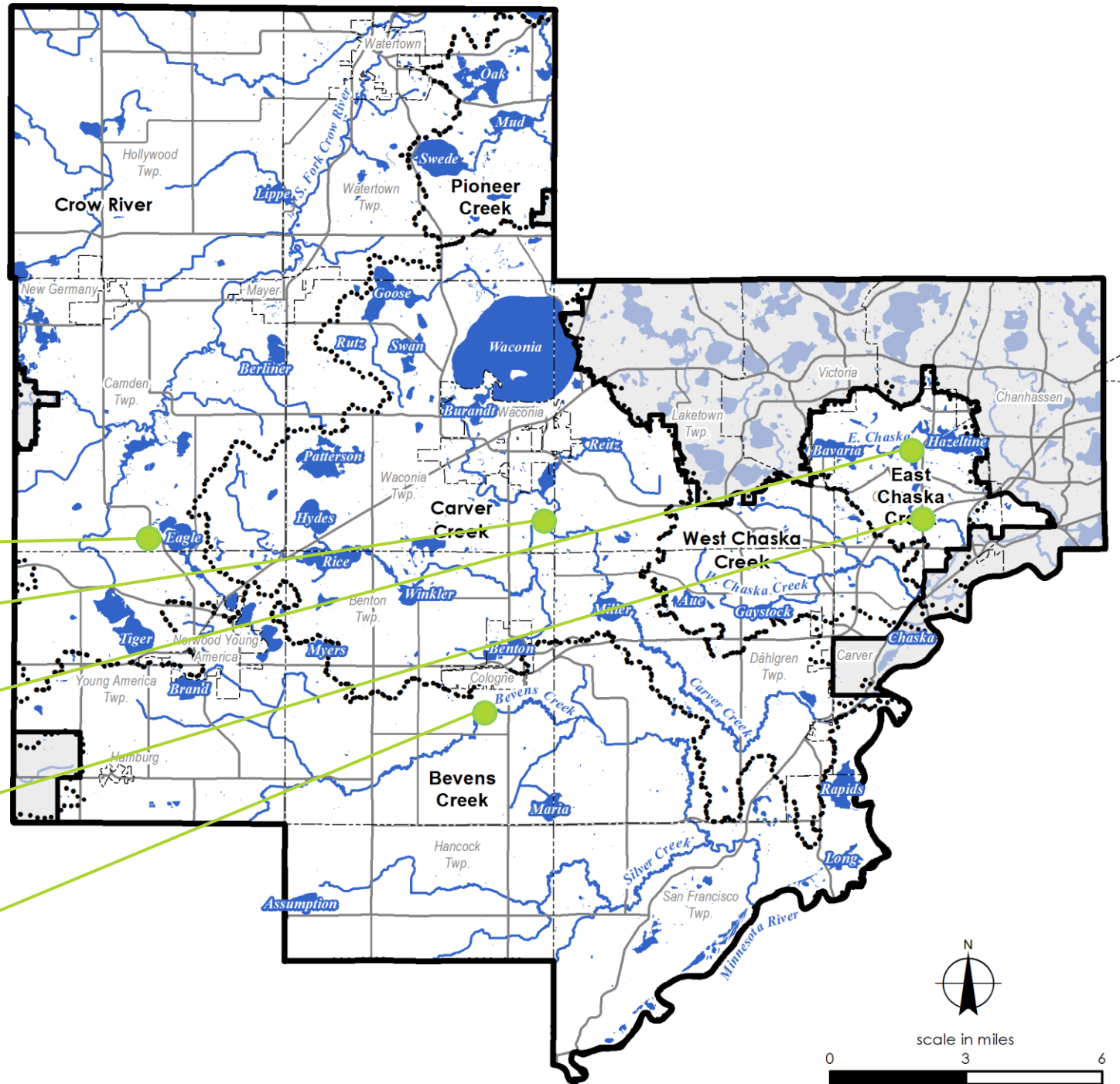
Feasibility Studies

- ▶ **Total projects: 5**
- ▶ **Waterbodies benefitted:**
 - ▶ Grace Lake, McKnight Lake, Bevens Creek, Eagle Lake, Carver Creek
- ▶ **CCWMO cost range:**
\$5,000 - \$30,000
- ▶ **Total cost range:**
\$30,000 - \$50,000



Feasibility Studies

- Eagle Lake
- Carver Creek
- McKnight Lake
- Lake Grace
- Bevens Creek



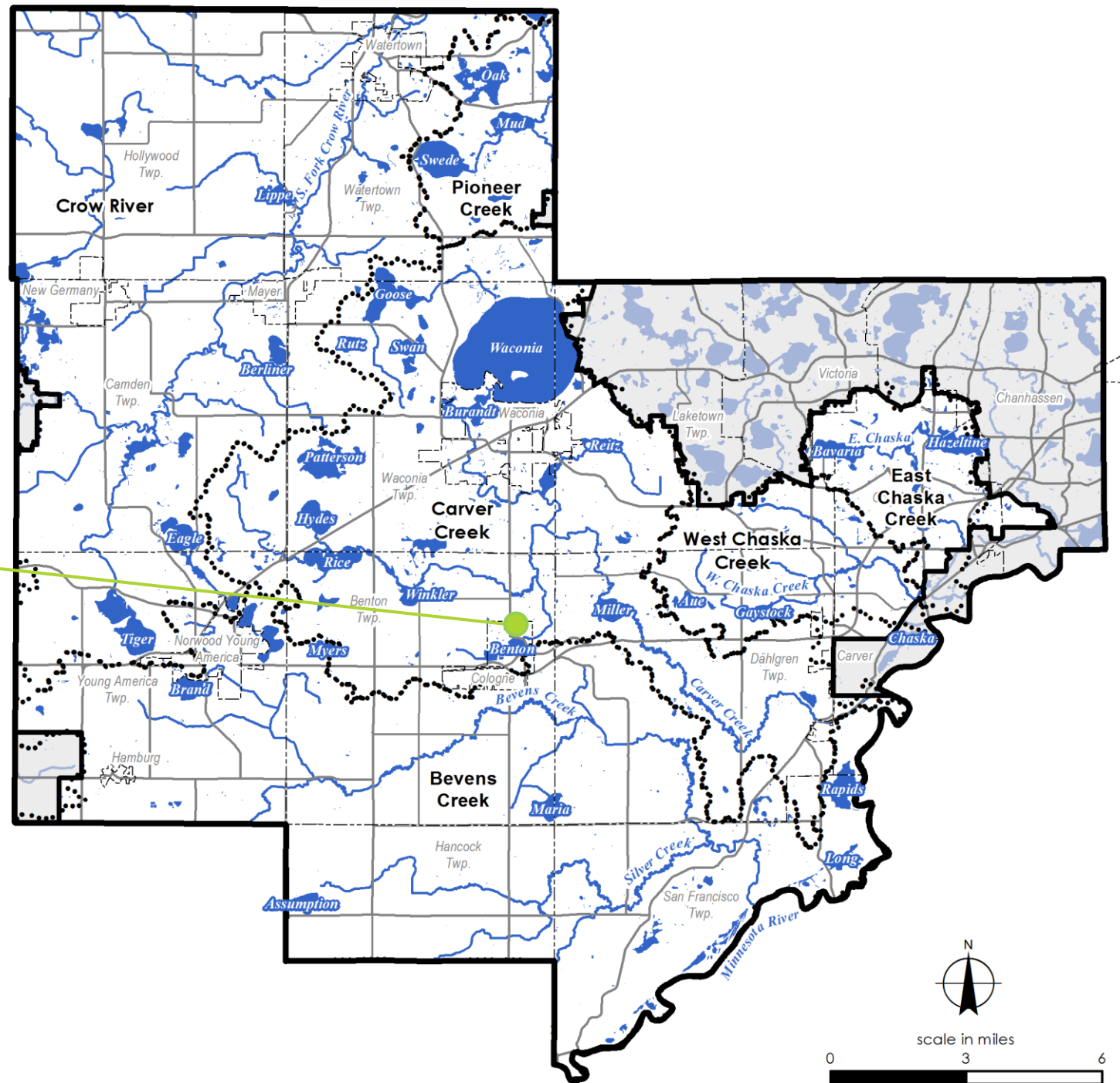
Lake Management or Restoration

- ▶ **Total projects:** 1
- ▶ **Waterbodies benefitted:**
 - ▶ Benton Lake
- ▶ **CCWMO cost range:**
\$6,000
- ▶ **Total cost range:**
\$7,000
- ▶ **Project name:**
Benton Lake Aquatic
Vegetation Transplant Study



Lake Mgmt or Restoration

Benton Lake



Stream Management or Restoration

- ▶ **Total projects:** 4
- ▶ **Waterbodies benefitted:**
 - ▶ Big Woods Lake, Crow River, Watershed-wide
- ▶ **CCWMO cost range:**
\$10,000 - \$100,000
- ▶ **Total cost range:**
\$60,000 - \$725,000
- ▶ **Project examples:**
Channel restoration, Native Mussel Propagation



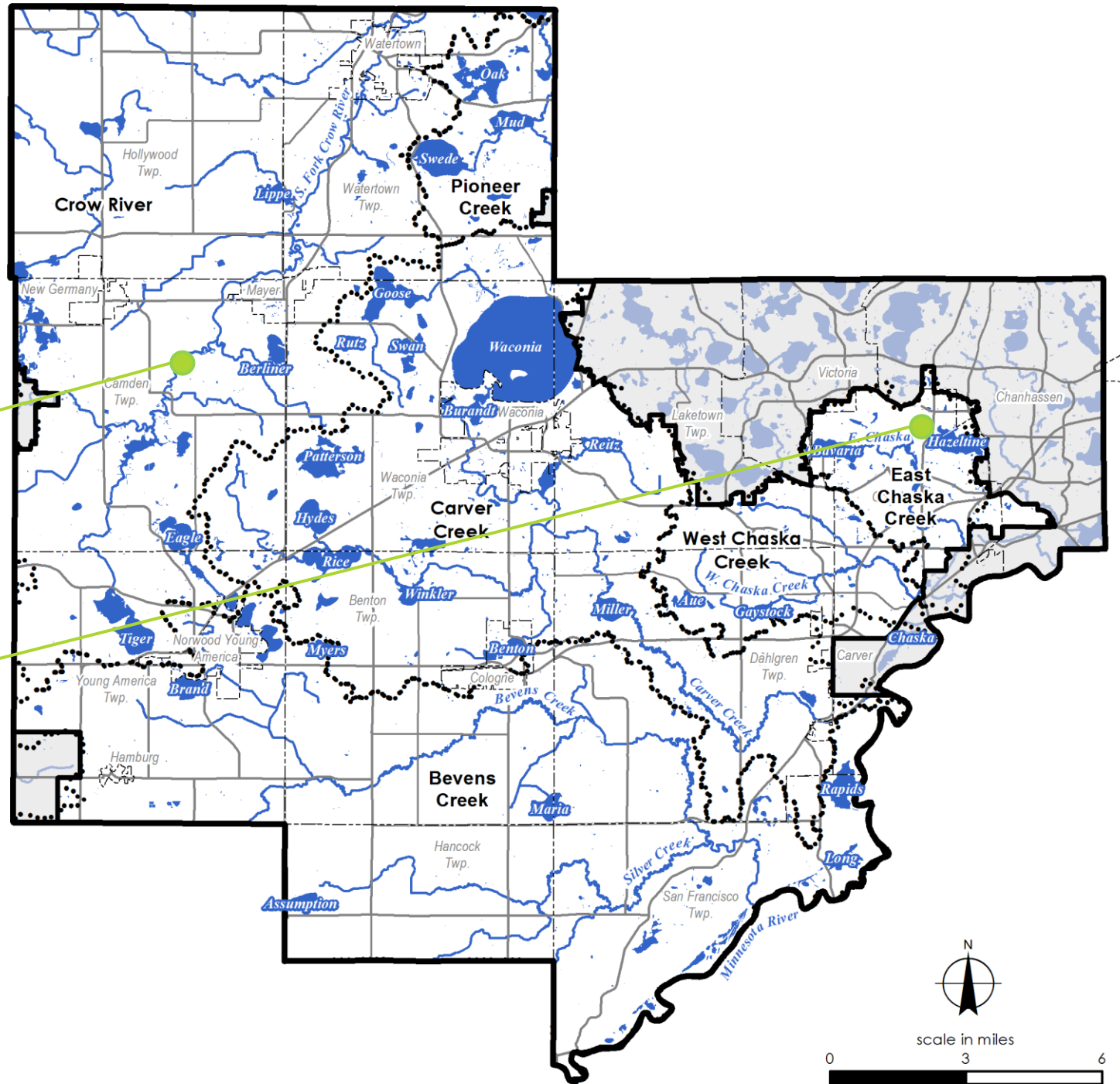
Mussel survey

Stream Mgmt or Restoration

Crow River

East Chaska Creek/
Big Woods Lake

*Watershed-wide



Wetland Restoration

- ▶ **Total projects:** 2
- ▶ **Waterbodies benefitted:**
 - ▶ Lake Bavaria, Seminary Fen
- ▶ **CCWMO cost range:**
\$25,000 - \$50,000
- ▶ **Total cost range:**
\$75,000 - \$1,500,000

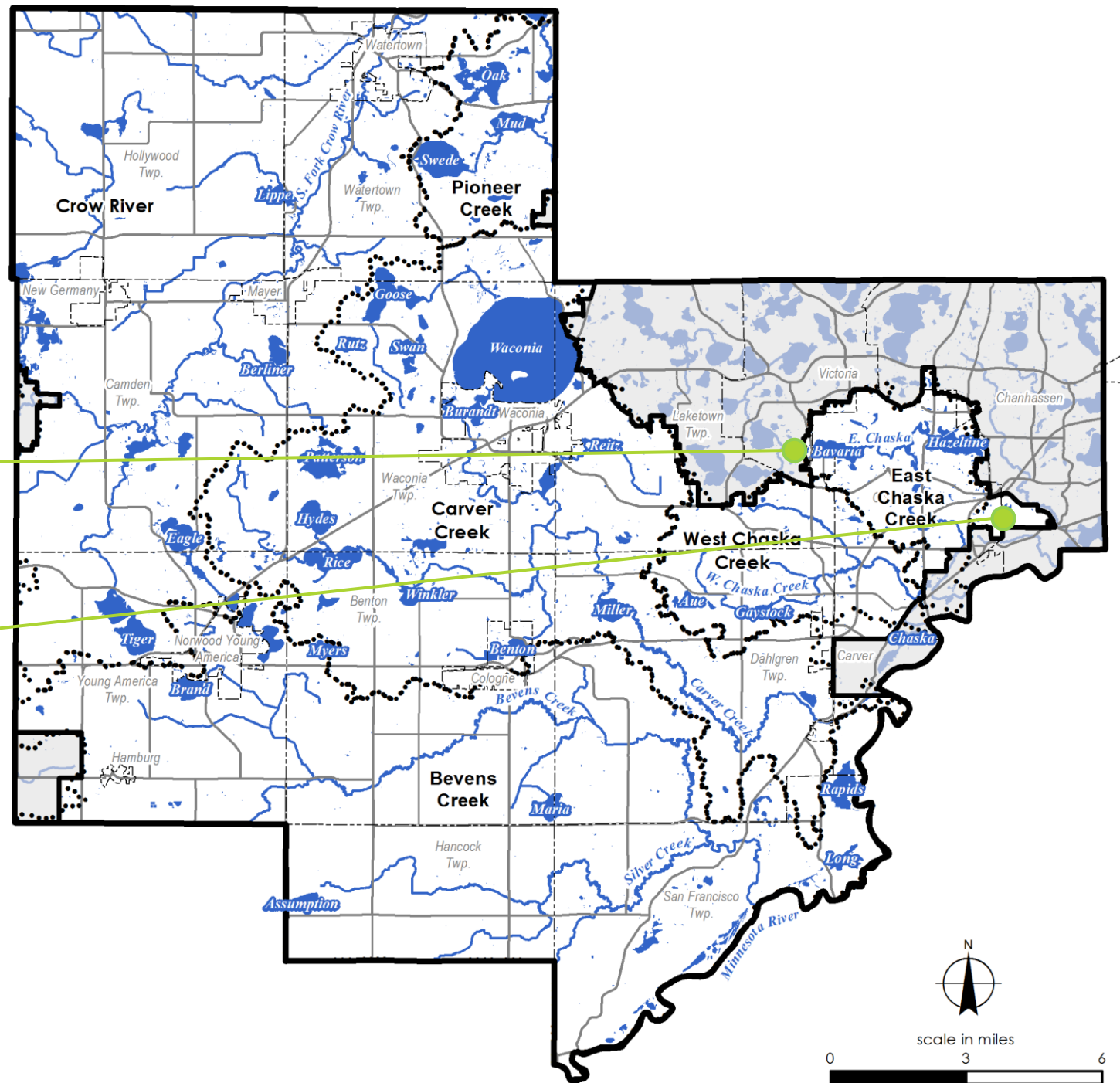


Watertown Wetland Restoration, before (above) and after (below)

Wetland Restoration

Lake Bavaria

Seminary Fen



Stormwater BMPs / Stormwater Retrofits

- ▶ **Total projects:** 4
- ▶ **Waterbodies benefitted:**
 - ▶ Carver Creek, Lake Bavaria
- ▶ **CCWMO cost range:**
\$5,000 - \$25,000
- ▶ **Total cost range:**
\$25,000 - \$500,000
- ▶ **Project examples:**
regional pond, stormwater reuse

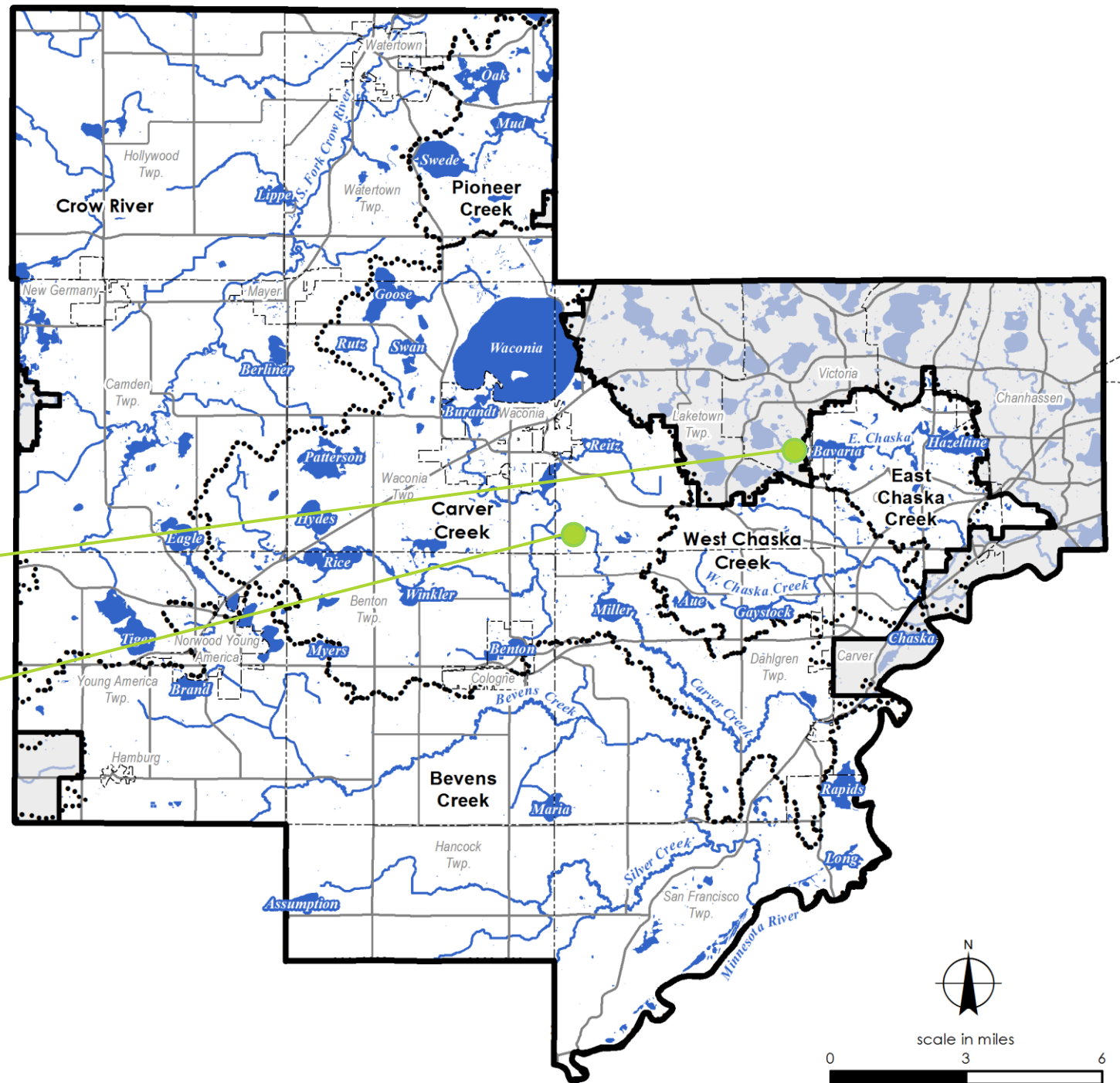


Regional pond and stormwater reuse system

Stormwater BMPs / Stormwater Retrofits

Lake Bavaria

Carver Creek





NEXT STEPS

Process





Staff Request

Recommend the County Board release the updated 2024 CCWMO project list for public review and comment