



Carver County Water Management Organization

Citizen Advisory Committee

1. New member introductions
2. Elect Chair and Vice Chair
3. Roll call
4. Operating rules
5. 2025 meeting calendar, details, and topics
6. Approval of the December 3, 2024, minutes
7. Approval of the January 28, 2025, agenda
8. Business items
 - a. 2024 annual report highlights
 - b. Goldfish project
 - c. 2025 Aquatic Invasive Species program plan
9. Information items & project updates
10. Next meeting
11. Adjournment

January 28, 2025

Meetings held at the Carver County Government Center, EOC conference room, 600 East 4th St. Chaska, MN 55318. Virtual option with Microsoft Teams. Contact mseveland@co.carver.mn.us for details.

6:00 p.m. to 8:00 p.m.

Committee Mission

Work with CCWMO staff to proactively make recommendations to the County Board on matters relating to water management including;

- projects and project prioritization
- Funding and water levy
- Water Plan, Groundwater Plan & Solid Waste Plan
- Water quality and TMDL program and projects
- Education program and projects
- Feasibility studies ¹

MEETING OF THE
CARVER COUNTY WATER MANAGEMENT ORGANIZATION ADVISORY COMMITTEE
MEETING MINUTES
Tuesday December 3, 2024

COMMITTEE MEMBERS PRESENT

Attending virtually

<i>Nathan Lindall</i>	<i>Citizen representing Commissioner District 3</i>
<i>Lori Cox</i>	<i>Citizen representing Commissioner District 5</i>

Attending in person

<i>Carroll Aasen</i>	<i>Citizen, East & West Chaska Creek</i>
<i>Jim Boettcher</i>	<i>Citizen representing Commissioner District 1</i>
<i>Mike Lynch</i>	<i>Citizen representing Commissioner District 4</i>
<i>Michael Wegner</i>	<i>Citizen, Crow River</i>
<i>Kevin Zahler</i>	<i>Citizen representing Commissioner District 2</i>
<i>Stan Wendland</i>	<i>SWCD Board Representative</i>
<i>Kayla Pascoe</i>	<i>Citizen, Carver Creek</i>
<i>Mary Strother</i>	<i>Citizen, Bevens Creek</i>

COMMITTEE MEMBERS ABSENT

<i>Marcus Zbinden</i>	<i>SWCD Board Representative alt</i>
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STAFF PRESENT

<i>Madeline Seveland</i>	<i>Carver County Planning & Water Mgmt.</i>
<i>Paul Moline</i>	<i>Carver County Planning & Water Mgmt.</i>
<i>Tim Sundby</i>	<i>Carver County Planning & Water Mgmt.</i>
<i>Tom Lloyd</i>	<i>Minnesota GreenCorps Program</i>
<i>Andy Edgcumbe</i>	<i>Carver County Planning & Water Mgmt.</i>
<i>Abigail Janey</i>	<i>Carver County Planning & Water Mgmt.</i>
<i>Mike Wanous</i>	<i>Carver County Soil & Water Conservation District</i>

Meeting Minutes

The meeting was called to order at 6:05 p.m. by Chair Aasen.

- 1) Roll call completed.
- 2) Approval of the October 29, 2024, meeting minutes.
Lynch moved to approve the September 24, 2024, meeting minutes. Boettcher seconded. Motion passed unanimously. Mary noted that the attendance for the October meeting minutes need to be updated to show her a present. Seveland responded she would make the change.
- 3) Approval of December 3, 2024, agenda.
Moline informed the committee there was one update to the agenda for the WMO budget.

Pascoe moved to approve the October 29, 2024, agenda. Wegner seconded. Moline requested an addition of a business item for the evening's agenda, a 2025 water levy update. The committee approved the addition. Motion passed unanimously.

4) Notes from the field

Moline recognized Mary Strother and Carroll Aasen for their 9 years of service to the Carver County Water Management Organization Advisory Committee. Strother has served as the representative for the Bevens Creek watershed and Aasen has served as the representative for East & West Chaska Creek, as well as serving as chair for 6 years. Both Strother and Aasen were presented with mementos of the service.

5) Business items

• **Chloride monitoring program**

Andy Edgcumbe presented on chloride monitoring in Carver County Water Management Organization.

Sources of chloride pollution in surface waters

- Sources of chloride in Minnesota include road salt application, water softeners, and fertilizers, manure, and dust suppressants.
- Chloride is a persistence pollutant. A study found that 78% of chloride applied to roads in the twin cities stays here.
- Once chloride pollution is in a lake, it is not feasible to remove it.
- Chloride sinks to the bottom of a lake and cannot be flushed out.
- The Minnesota Pollution Control Agency has found 68 lakes and stream segments that are impaired for chloride and 75 water bodies that are at risk, meaning close to the state standard.

Impacts

- Chloride is toxic at high levels for plants and animals in Minnesota that are adapted to freshwater.
- High chlorides negative impact development in fish and amphibians. It impacts animals at a cellular level, drying them out, as water moves out of cells more.
- High chloride levels prevents lake turnover which is necessary for distributing oxygen and nutrients throughout the lake.

Lake chloride monitoring

- Staff began lake chloride monitoring in 2019. Staff take five samples throughout the year following the Minnesota Pollution Control Agency's protocol. One sample in the summer, fall, and winter, and 2 samples in summer. The spring samples occur once before ice off, and once after.
- The chloride state standard is 230 mg/L. If a sample is found above this standard, it is sampled again after four days. If the second sample is still above the standard, that water body is considered impaired.

- The acute state standard is 860 mg/L. If one sample is higher than this state standard, that water body is listed as impaired.

Edgcumbe shared a graph showing monitoring results for lakes with low chloride levels. Lakes Bavaria, Burandt, Courthouse, Eagle, Firemans, Goose, Hydes, Miller, Reitze, Swede, and Waconia are all below the state standard.

He shared another graph showing monitoring results for lakes with high chloride levels. Lakes Benton, Big Woods, Brickyard, Grace, Hazeltine, Jonathan, McKnight, and Meuwissen are all increasing or above the state standard already. Lakes Meuwissen, Benton, Hazeltine, and Jonathan have had multiple samples over the chronic state standard.

Cox inquired if the wastewater treatment plant in Cologne had a chloride standard they are supposed to follow. Edgcumbe said there are permit level requirements for nitrogen and phosphorus, but he isn't sure about chloride. Wastewater treatment plants don't actively treat for chloride.

Lake chloride concentration trends

- All 19 lakes that the WMO monitors are exhibiting an increasing concentration in chloride.
- Of these, 17 lakes have statistically significant increasing chloride concentrations.
- Fireman's lake and Lake Meuwissen are trending up but not statistically significant.

Cox inquired if the 17 lakes with statistically significant trends have water flowing into them. Edgcumbe responded that all our monitored lakes have streams flowing into them.

Stream chloride concentration trends

Staff began to do monthly chloride monitoring on streams in 2022.

Cox inquired why staff do not do stream monitoring in the winter. Edgcumbe responded that the ice on streams is extremely hard and it wears down augers very quick. Staff get out in early spring and can capture the first flush from chlorides.

Cox inquired if some streams are continuous in winter and there would be an opening to water. Edgcumbe responded that is something staff are looking into.

High stream chloride data

- Stream segment EC3 has the highest chloride concentration reading. This does exceed the acute state standard. Staff have found salt straws on the bridge going over the creek. Salt straws are a formation of salt crystals from winter de-icing salts.
- Stream segment EC1 is the flood diversion channel in Chaska and that is over the chronic state standard.
- Stream segments Tacoma and BE21, just downstream of the confluence of the Tacoma stream and that is elevated as well.

Lynch inquired if cities use computerized systems to manage their winter maintenance. Moline commented that the City of Waconia was moving that direction, and the WMO provided a grant to City of Carver to start that up. Wegner commented that the cities Chaska, Chanhassen, and Waconia all do. There is a speed sensor and a road temperature sensor that calculates a formula from how much chloride to put down.

Wegner commented that Chanhassen staff are required to be smart salt certified and inquired how many cities go through that training. Seveland responded that the program has been going for a couple decades and that many city staff and county staff are trained. The training is free and many of them are webinars now so easy to attend.

Lynch inquired how many cities use brine and how that worked compared to rock salt. Seveland responded that brine uses about 75% less chloride than rock salt and the application of the product is very efficient. It does not blow or bounce away the same as rock salt can. Seveland said Waconia was using brine and had been offering to help other cities get set up with it. Wegner commented that Chanhassen does not use brine. Lynch commented that Watertown does pretreatment.

Wegner commented that there are many types of chemicals too and that Chanhassen uses one called Beet Heat which prewets and activates that salt before applying it to the surface.

- **GreenCorps service plan**

Tom Lloyd introduced himself as the GreenCorps member serving with Carver County Water Management Organization for the 2024-2025 service season. He provided a background on the GreenCorps program and reviewed his program areas.

GreenCorps program

- GreenCorps is an AmeriCorps program coordinated by the Minnesota Pollution Control Agency.
- The program is designed to preserve and protect Minnesota's environment while training a new generation of environmental professionals.
- AmeriCorps is a network of local, state, and national service programs connecting 200,000 Americans annually in intensive service to meet our country's needs in education, public safety, health, and environmental stewardship.
- Service terms are 11 months and start at the end of September.
- GreenCorps members receive a stipend and training opportunities.

The Carver County WMO GreenCorps service plan covers three main topic areas 1) native plant education and cost share programs, 2) chloride pollution prevention education, and 3) best management practices inventory.

Native plant education and cost share service area goals

- Increase the number of applicants to cost share programs.
- Raise awareness of available programs and native plant resources, education, and maintenance.

- Identify areas of improvement to strengthen the application and outreach efforts before, during, and after project completion.
- Identify barriers to native plantings for residents and public organizations (cost, maintenance, knowledge gaps, etc.)

Native plant education and cost share activities

- Attended the City of Carver open house and showcased native plants through an interactive activity where people voted for their favorite native plant. Over 150 residents stopped at the information booth.
- Interviewed several past participants in the cost share program and highlighted their success stories on social media and in the organization's online newsletter. This effort will continue in the spring.
- Created and distributed a survey to past cost share program participants to understand and improve program experience and increase learning opportunities.

Chloride pollution service area goals

- Chloride pollution prevention is better than remediation. Education is needed to build awareness of smart salt practices and the need to reduced chloride. Lloyd shared a chart showing the sources of chloride specifically in Carver County. They include Winter maintenance, dust suppressants,

Chloride pollution education service area activities

- Partnering with the Izaak Walton League of America Salt Watch program to distribute salt watch kits to volunteers. This will help expand our data set for chloride levels in waters across the County. We will promote this program through newsletters, community tabling events, (ice fishing tournaments) and promotions to youth groups.
- Promoting the Smart Salting trainings. There are four trainings presented, 1) roads, 2) parking lots and sidewalks, 3) property managers, and 4) local decision makers.
- Working with the Community Development Agency to ensure the contractors they hire are smart salt certified and encourage their property managers to go to that training, and work with people on site at their apartment building to use smart salt strategies on their walkways.

Best Management Practices inventory service area goals

- Assist in developing standardized tracking methods for upland preserve sites and cost-share program projects.
- Inventory and review native vegetation at upland preserve and cost share program sites.
- Compiling evaluation data into databases, mapping location on GIS for easy access.
- Assist in conducting site visits and evaluations of cost share sites.
- Providing recommendations for maintenance and project improvement.

Zahler commented that lake service providers need to be certified by the Department of Natural Resources for aquatic invasive species prevention best practices. He inquired if there is something like

that for chlorides that require those treating parking lots and sidewalks to get certified in the future understanding there is a liability issue. Llyod responded that large entities who contract our snow removals are beginning to require their contractors be smart salt certified through the state.

Lynch shared that often the contractors are spreading more or higher volumes of salt at the request of the property owners.

Zahler inquired about the status of the smart salt bill at the state legislature. Seveland responded that it has not passed yet. It has been presented two or three times at the state legislature and is modeled after a bill from New Hampshire. The proposed bill provides liability protection to contractors and organization who are certified through the state's smart salting programs and keep records of their applications and use of materials.

Wendland inquired about saltless water softeners. Staff did not have information on how they worked or their effectiveness but noted that the Minnesota Pollution Control Agency is developing a webinar on water softeners that should be available soon.

Lindall inquired if there was a joint powers agreement option for counties to purchase brine through the state of Minnesota. Wegner and Aasen commented that most cities are mixing their own.

- **2025 WMO levy update**

Moline shared that the County Board took action on the final WMO levy this morning. There was a change to the forecasted staffing cost increase in the levy's operational costs. The WMO portion of the staff cost increase was previously set at \$62,779. There was a reduction from union negotiations and health care costs that brought that number down to \$42,757.

That sets our total operational costs to \$64,833 and our total 2025 levy to \$1,018,262.

Zahler inquired if there was a reduction in staff. Moline responded there are no staff cuts.

6) Information items and project updates

Moline shared that the next meeting on January 28 will include introduction of new committee members, nominations for and selection of chair and vice chair, and a presentation of the WMO's 2023 annual report. He noted that applications are open if any members know of someone who might be interested in joining the committee. The County Board will make appointments their first meeting in January.

Seveland shared that the week of January 22 is Winter Salt Awareness Week, and the state is hosting webinars of various chloride topics. She will send the information out to the committee via email.

Next meeting is January 28, 2025

Meeting adjourned at 7:24 p.m.



CCWMO Citizen Advisory Committee

January 28, 2025 Meeting

Business Item
<i>Operating rules review</i>
Water Management Plan Related Goal

Summary:

Operating rules

The Water Management Organization Advisory Committee annually reviews and approves their operating rules. Operating rules are based on the County Boards operating rules and identify and set up procedures relating to elections of Chair & Vice Chair, attendance, membership, compensation and more. Each January, the Committee reviews, amends if needed, and adopts the operating rules for the coming year.

Discussion Points:

- Review any changes or recommendations to the current operating rules.

Recommended WMO Citizen Advisory Committee Action:

- Staff recommends the committee adopt the operating rules as they exist or make recommendations citing any changes deemed necessary.

Attachments:

- Operating rules

Carver County Water Management Organization Citizen Advisory Committee Operating Rules

I. Overview

A. Role & Purpose

The Carver County Water Management Citizen Advisory Committee's (CAC) role is to make recommendations to the County Board on matters relating to water management include;

- Project and project prioritization
- Funding and water levy
- Water Plan, Groundwater Plan and Solid Waste Plan
- Water quality and Total Maximum Daily Load (Impaired Waters) program and projects
- Education program and projects
- Feasibility studies

As an advisory committee, the CAC serves a statutory, policy, and operational purpose within Carver County.

B. Goal

- The goal of the Plan is to protect, preserve and manage the CCWMO's surface and groundwater systems in the midst of rapid growth and intensive agricultural activity.

II. Amendments to the Operating Rules

During the statutory meeting (the last Tuesday in January of each year), the CAC shall review, amend if necessary, and adopt the operating rules for the year.

Any time throughout the year, the Committee may amend (or suspend) the operating rules by an affirmative vote of the members. Changes shall be effective immediately upon passage.

Any member of the Committee or County staff may initiate action to amend the operating rules

III. Organization

A. Membership

An open appointment policy governs the process for recruiting applicants to the Committee. The actual appointments are made by the County Board. The Carver County Board will attempt to select those candidates who will best represent the county and the committee's needs.

Membership consists of:

- 5 representatives from Commissioner Districts: one from each district.
- 1 representative from the Soil & Water Conservation Board.
- 4 representatives from watersheds. One from each watershed.
- 1 representative from the Technical Advisory Committee

B. Terms of Office

The County Board has standardized the length of term and number of terms each advisory committee member may serve. The length of term is 3 years and the maximum number of consecutive terms each member may serve is 3.

C. Vacancy

When a vacancy exists due to resignation or other reasons, the County Board will follow the open appointment process. For the purpose of maintaining uniform length of terms the new appointee's partial term will be assumed to be a full term regardless of actual time remaining in the unexpired term.

D. Officers

The Citizen Advisory Committee, at its statutory meeting elects from its members a Chair and a Vice-Chair. The Chair presides at committee meetings, preserves order, and decides on questions of order and subject to vote of the committee. The Vice-Chair performs the duties of the chair when the chair is unable to perform those duties. Only committee members appointed by the County Board are eligible to serve as Chair or Vice Chair of the committee

If the Chair and Vice-Chair are absent from any meeting, the members present shall choose one of their members as temporary Chair.

The Chair of the Board may make a motion and has the same voting rights and responsibilities as other members.

E. Compensation

Individuals appointed by the County Board to the CAC receive a per diem and mileage reimbursement for attendance at regular and special meetings of such committees unless otherwise stated by the County Board. The per diem level is established from time to time by County Board and/or Minnesota Statute.

F. Quorum & Attendance Policy

A quorum is present if 50% + 1 of the existing members of the committee are present.

Committee members missing three (3) consecutive meetings in a year without the formal consent of the advisory committee shall be deemed to constitute a resignation of a member and a vacancy thus created shall be filled thereafter as provided by the open appointment process.

G. Meeting location and details

The Committee meets monthly the last Tuesday of every month except December. The meetings take place at 6:00 p.m. in the Carver County Board Room on the upper level of the Carver County Administration building at 600 East 4th St. Chaska, MN 55318 with a hybrid option.



CCWMO Citizen Advisory Committee

January 28, 2025 Meeting

Business Item
<i>2025 Meeting calendar, details and topics</i>
Water Management Plan Related Goal

Summary:

Staff will review the 2025 meeting calendar. This includes meetings dates and times, meeting structure, and list of action and information items for 2025. Staff are seeking input from the committee on the current meeting structure, and on any additional informational topics of interest in 2025.

Discussion Points:

- Review calendar and meeting structure.
- Additional topics of interests.

Recommended WMO Citizen Advisory Committee Action:

- Feedback on meeting structure and topics for 2025

Attachments:

- Appointments and meeting calendar

CARVER COUNTY WATER MANAGEMENT ORGANIZATION

CITIZEN ADVISORY COMMITTEE

Committee membership as of 1/17/2025

Marcus Zbinden– SWCD Board member representative
Stan Wendland - SWCD Board member alternate

Commissioner representatives

Jim Boettcher - Citizen Rep Comm District 1 (Degler)	Term 3	Expires 2025
Kevin Zahler - Citizen Rep Comm District 2 (Workman)	Term 2	Expires 2027
Vacant – Citizen Rep Comm District 3 (Udermann)	Term	Expires
Mike Lynch - Citizen Rep Comm District 4 (Lynch)	Term 3	Expires 2026
Joe Polunc – Citizen Rep Comm District 5 (Fahey)	Term 1	Expires 2027

Watershed area citizen representatives

Kayla Pascoe – Carver Creek	Term 1	Expires 2025
Michael Wegner – Crow River/Pioneer Creek	Term 1	Expires 2026
Kellen Schmidt – Bevens Creek	Term 1	Expires 2027
Mary Stasson – East/West Chaska Creek	Term 1	Expires 2027

TBD - Chair
TBD - Vice Chair

Primary Committee Staff

Paul Moline – Public Services Deputy Director
Madeline Seveland– Water Management Organization Outreach & Engagement Specialist
Mike Wanous – Soil & Water Conservation District Manager

Meeting Dates 2025

Meeting 1 -	Tuesday, January 28 – 6:00pm
Meeting 2 -	Tuesday, February 25 – 6:00pm
Meeting 3 -	Tuesday, March 25 – 6:00pm
Meeting 4 -	Tuesday, April 29 – 6:00pm
Meeting 5 -	Tuesday, May 27 – 6:00pm
Meeting 6 -	Tuesday June 24 – 5:20pm TOUR
Meeting 7 -	Tuesday July 29 – 6:00pm
Meeting 8 -	Tuesday August 26 – 6:00pm
Meeting 9 -	Tuesday, September 30 – 6:00pm
Meeting 10 -	Tuesday October 28 – 6:00pm
Meeting 11-	Tuesday, November 25 – 6:00pm



CCWMO Advisory Committee

January 28, 2025 Meeting

Business Item
<i>2024 Annual Report</i>
Water Management Plan Related Goal
• Goal 4 Awareness and Behavior. To provide those living, working, and recreating in the CCWMO with the knowledge, skills, and motivation needed to make positive behavior changes that protect surface water and groundwater resources. • Goal 6 Evaluating Effectiveness & Progress. To collect data and use the best available science to identify problems and evaluate the effectiveness of solutions.

Summary:

Staff members will present a summary of the 2024 CCWMO annual report.

The CCWMO annual report provides a look back at the activities accomplished as well as challenges encountered by the CCWMO in the previous year. It contains information on WMO activities, projects, programs, planning efforts, and financial activity for 2024. The report is currently in DRAFT form (pending County audit) and will be distributed to the County Board, and subsequently to the Minnesota Board of Water and Soil Resources.

Discussion Points:

- Feedback on report summary.

Recommended WMOAC Committee Action:

- Recommend submittal of the 2024 annual report to the County Board and the Minnesota Board of Water and Soil Resources later this year

Attachments

- Draft 2024 Annual Report

2024 ANNUAL REPORT (DRAFT)

CARVER COUNTY WATERSHED
MANAGEMENT ORGANIZATION



ABOUT THE CCWMO

The Carver County Water Management Organization (CCWMO) is responsible for performing management tasks including planning, funding, regulation, and implementation of the Carver County Water Management Plan (plan). The CCWMO includes the following watersheds; Bevans Creek, Carver Creek, East and West Chaska Creek, Pioneer Creek, and the Crow River (see map on page 3).

To fulfill legislative requirements on surface and groundwater, Carver CCWMO developed a Water Management Plan that was adopted in 2020. The overall goal of the Plan is to protect, preserve and manage the CCWMO's surface and groundwater systems amid rapid growth and intensive agricultural activity. The plan presents sustainable and equitable methods to reach that goal by providing guidance and specific standards for decision-makers, residents, landowners, educators, and implementing staff at the local level.

PURPOSE OF REPORT

This report is intended to provide an annual look at the **activities accomplished as well as challenges encountered** by the Carver County Water Management Organization (CCWMO). This report contains information on specific WMO activities, projects, programs, planning efforts, and financial activity for **2024**. It is not intended to

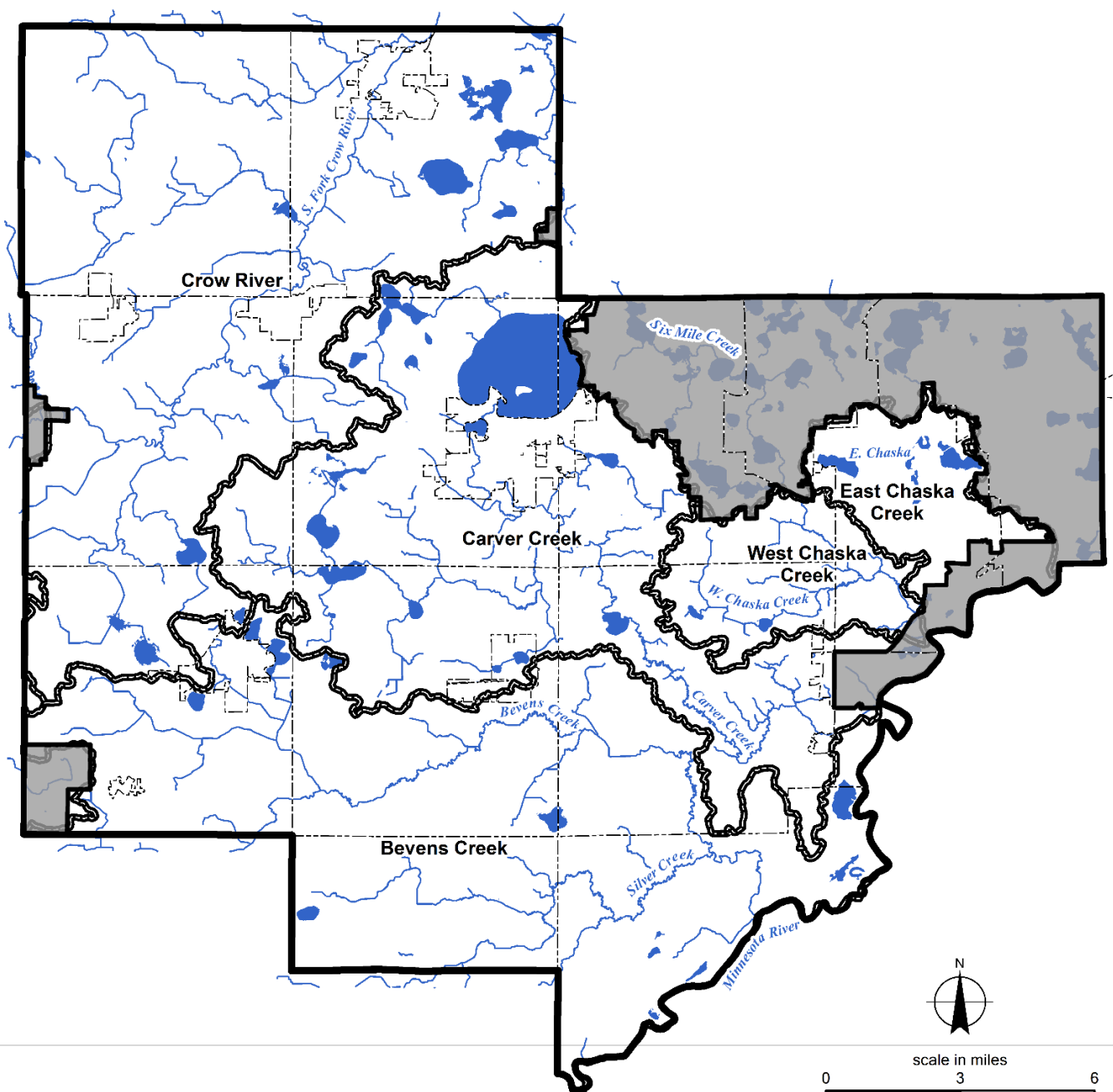
provide comprehensive detail on all aspects of WMO implementation. Further reports, data, and information are referenced in each section and available either via the website or on request as noted. This report fulfills the requirements of MN St. 103B.231 & MN Rules Ch. 8410.0150.

Within the Water Management Plan, there are six major program areas:

- **PERMITTING**
- **PROJECTS**
- **MONITORING**
- **EDUCATION & OUTREACH**
- **PLANNING & RESEARCH**
- **ADMINISTRATION**

This report includes a summary sheet for each of the 6 major program areas identified in the 2020 Plan. Each summary sheet contains information on short term metrics, program highlights from 2024, and links to additional information.

For more information, visit our website at <http://www.co.carver.mn.us/water>



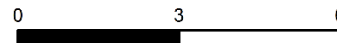
Legend

- County Boundary
- CCWMO Boundary
- City/Township
- Major Roads
- Major Watershed
- Lakes

Watershed Boundary CCWMO Annual Report



scale in miles



**CARVER
COUNTY**

This map was created using Carver County's Geographic Information Systems (GIS), it is a compilation of information and data from various City, County, State, and Federal offices. This map is not a surveyed or legally recorded map and is intended to be used as a reference. Carver County is not responsible for any inaccuracies contained herein.

PERMITTING IN 2024

Permitting plays a very important role in managing and addressing water resource problems. The WMO has developed standards to protect lakes, streams, and wetlands during and after construction. The WMO also administers the state's Wetland Conservation Act within the townships in the WMO and the portion of the City of Victoria in the WMO.

WATER PERMITS



70 water permit applications reviewed



211 erosion & sediment control inspections completed



41 stormwater BMPs reviewed

WETLAND CONSERVATION ACT PERMITS



20 WCA applications reviewed

232 wetland related landowner contacts

15 WCA TEP meetings attended

0.05 acres of wetland impacted

1 new wetland violations investigated



PROGRAM HIGHLIGHTS

- Stormwater Workshop targeting Water Rules applicants held for the first time since 2019
- BMP Guidelines updated and shared with applicants and other stakeholders
- 4 wetland violations resolved/restored

MORE INFORMATION: Additional permitting information can be accessed at www.co.carver.mn.us/water

PROJECTS IN 2024

Projects typically involve on the ground, physical improvements aimed at improving water resources. Projects may be funded by the CCWMO, through grants, or in combination with our partners. The CCWMO also operates several cost share programs including: LGU cost share, landowner cost share, well sealing cost share, SSTs direct discharge incentives.



6 landowner cost share project installed that included native plantings, wetland restoration, and help with reducing salt use within a city. Total project costs were **\$42,033.26.00** with **\$14,926.81** reimbursed by CCWMO Levy.



1 well sealing cost share project. Total project costs were **\$3,170**, with **\$2,000** reimbursed by CCWMO Levy.



SEE PROJECT MAP ON PAGE 10 FOR PROJECT LOCATIONS

1 WACONIA EAST FRONTAGE ROAD BIOFILTRATION BASIN

Project status: ongoing

Funding source: WMO, City of Waconia

WMO contribution: \$16,615

City contribution: \$8,308

Background: Install bioretention features between a parking lot and 8th Street E, located east of Hwy 5 and 284 intersection. The project will decrease pollutant loading from urban street runoff discharging to storm ponds located south of Waconia Ford.

2 WACONIA CEDAR POINT PARK SHORELINE STABILIZATION

Project status: ongoing

Funding source: WMO and City of Waconia

City Allocation: \$9,611

WMO contribution: \$9,611

Background: This project cleans out an existing rain garden, adds more plants, and installs a Rain Guardian to help reduce the amount of sediment reaching the basin. Also, the shoreline will be seeded with a native mix.

3 WATERFORD PARK POND REUSE

Project status: ongoing

Funding source: WMO and City of Waconia

WMO contribution: \$7,000

City of Waconia contribution: \$345,000

Background: A water reuse facility will be built to utilize stormwater from the Waterford Park Pond to irrigate both the park and a portion of the new residential development.

4 BURANDT BLVD SUMP RETROFIT

Project status: complete

Funding source: WMO and City of Waconia

WMO contribution: \$9,600

City of Waconia contribution: \$9,600

Background: Project will reconstruct an existing catch basin manhole and add a sump and SAFL Baffle. This is the last structure prior to the storm sewer discharging to Carver Creek.

5 INDUSTRIAL BLVD WETLAND RESTORATION

Project status: ongoing

Funding source: WMO and City of Waconia

WMO contribution: \$25,000

City of Waconia contribution: \$130,275

Background: The project will remove sediment buildup within the wetland to restore volume and functionality of the wetland and reduce phosphorus and sediment discharging into Bent Creek. The wetland collects runoff from 26.29 acres of commercial land use. WMO funds will be used for pretreatment BMPs to reduce sediment from reaching the wetland. WMO Contributions are for pretreatment of stormwater prior to entering the wetland.

6 WEST CREEK STREAM RESTORATION PHASE 1&2

Project status: continuing

Funding source: WMO and Clean Water Legacy (BWSR)

Grant Allocation: \$433,000

WMO contribution: \$158,250

Background: Phase 1 of the West Chaska Creek Restoration project was completed in 2019. This work included adding 5 meander reaches and a floodplain. Construction of Phase 2 was completed in 2023 with establishment of vegetation the goal over the next two years.

7 COURTHOUSE LAKE POLLINATOR BUFFER

Project status: complete

Funding source: WMO, SWCD, Conservation Partners Legacy Grant (MnDNR)

WMO contribution: Staff Time

SWCD contribution: \$5,677

DNR allocation: \$12,430

Background: Roughly 3 acres of turf grass will be converted to a native prairie in areas next to Courthouse Lake that expands the habitat corridor along Minnesota River. Native plants will act as an additional buffer to Courthouse Lake, reducing the effects of stormwater runoff. This area also has the potential to be a critical area for the Rusty Patch Bumble Bee, an endangered bee.

8 BIG WOODS GOLDFISH REMOVAL FEASIBILITY STUDY

Project status: ongoing

Funding source: WMO and Clean Water Legacy (BWSR)

WMO contribution: \$8,000

Grant contribution: \$80,000

Background: A 3-year work plan to complete a goldfish removal feasibility study within Big Woods and Hazeltine Lakes. This would be partially accomplished by tracking, fish population surveys, and netting of goldfish.

9 CHASKA CREEK STREAMBANK STABILIZATION

Project status: ongoing

Funding source: WMO and the City of Chaska

WMO contribution: \$25,000

City of Chaska contribution: \$306,800

Background: The proposed stabilization plan is to install sheet piling to protect the roadbed (future trail) and the sanitary sewer trunk line that will be constructed. Riprap will be installed on both sides of Chaska Creek and within the stream channel. A total of approximately 450 feet of streambank will be stabilized between Creek Road crossing and the private driveway.

10 BAVARIA HILLS CREEK EROSION

Project status: ongoing

Funding source: WMO and the City of Chaska

WMO contribution: \$10,100

City of Chaska contribution: \$10,100

Background: The proposed project will repair the existing erosion and to install a catch basin and storm sewer pipe to eliminate additional overland runoff to the unstable creek bank. The project will eliminate this source reaching a wetland just down stream.

11 REITZ LAKE RAVINE

Project status: Complete

Funding source: Clean Water Legacy (BWSR)

WMO contribution: \$10,000

Grant allocation: \$40,000

Background: A ravine has begun to form through private land between Airport Road and Reitz Lake, adjacent to the DNR Boat Landing. This project stabilize the ravine and reduce the amount of sediment reaching Reitz Lake. Repair work was completed in 2024 due to large storms that damaged the project in June of 2024.

12 LOWER MINNESOTA TURF TO NATIVE

Project status: ongoing

Funding source: WMO and Clean Water Legacy (BWSR)

WMO contribution: \$10,000

Grant contribution: \$40,000

Background: Project will convert 7 acres of turf or crop land to native prairie in the Lower Minnesota River Watershed. Costs include construction, establishment, and 3 year maintenance of the site.

13 WACONIA LAKESHED SWA

Project status: ongoing

Funding source: WMO, Clean Water Legacy (BWSR)

WMO contribution: \$10,000

Grant allocation: \$40,000

Background: A Subwatershed Assessment was completed by Carver SWCD for Waconia Lakeshed that identified a total of 84 projects. This grant will target the top 15 projects based upon cost benefit. If landowners of specific projects are unwilling to participate, the next project will be pursued.

14 EAGLE LAKESHED SWA

Project status: ongoing

Funding source: WMO, Clean Water Legacy (BWSR)

WMO contribution: \$10,000

Grant allocation: \$60,000

Background: This project will look at 26 possible sites across the Eagle Lake Lakeshed, with BMPs that include Conservation Tillage, CRP Buffer Strips, Rock Inlets, Grassed Waterways, and Water and Sediment Control Basins.

15 MULLEN BANK STABILIZATION

Project status: complete

Funding source: WMO and the City of Watertown

WMO contribution: \$10,000

City of Watertown contribution: \$88,015

Background: Project will provide bank stabilization improvement along the east and west banks of the Crow River through the use of selective tree removal, cedar revetments, and native plants on bank slope and top of bank.

16 WATERTOWN WWTP BIOFILTRATION BASIN

Project status: ongoing

Funding source: WMO and the City of Watertown

WMO contribution: \$10,000

City of Watertown contribution: \$81,856

Background: The proposed project will include the construction of two (2) biofiltration basins. The project is proposed in order to provide additional water quality treatment for the stormwater runoff directed to the Crow River.

17 GRACE CHAIN RAVINE FEASIBILITY STUDY

Project status: ongoing

Funding source: WMO, Clean Water Legacy (BWSR)

WMO contribution: \$10,000

Grant allocation: \$60,000

Background: Chain of Lakes Ravine Study will focus on Big Woods East Ravine that has formed between Hwy 41 and the lake that may threaten the structural integrity of Co Hwy 41, and ravine systems that are affecting the Grace Chain of Lakes. 2024 included three other feasibility studies that included a stream naturalization, ravine inventory study around Big Woods, McKnight, Jonathan, and Grace Lakes, and a study for a large ravine complex discharging into Lake Grace.

18 BENTON LAKE CARP FEASIBILITY STUDY

Project status: ongoing

Funding source: WMO, Clean Water Legacy (BWSR)

WMO contribution: \$30,000

Grant allocation: \$70,000

Background: Benton Lake Carp Reduction Feasibility Study includes a three-year work plan to assess fish populations, rearing locations, carp migrations, and fish biomass.

19 CARVER PARKS TURF TO NATIVE

Project status: funded

Funding source: WMO, Carver County Parks

WMO contribution: \$25,000

Carver County Parks allocation: \$0

Background: Carver County Parks will remove maintained turf areas within two trail head facilities along the Regional Rail Corridor in Mayer and New Germany. A total of 6 acres will be restored to a native prairie.

20 CHASKA DEERWOOD RAVINE

Project status: funded

Funding source: WMO, City of Chaska

WMO contribution: \$30,000

City of Chaska allocation: \$120,000

Background: A six foot deep by 8 foot wide gully has formed in a rear yard drainage and utility easement in Chaska that extends 230 feet towards East Chaska Creek. This project will stabilize the ravine by regrading, installing rock checks, and revegetating ravine slopes.

21 BENTON CREEK STABILIZATION

Project status: ongoing

Funding source: WMO, City of Cologne

WMO contribution: \$20,000

City of Chaska allocation: \$30,000

Background: Bank erosion at three locations along Benton Creek will be repaired using rip rap bank toe and native vegetation to establish a 15-to-20-foot buffer. The project will take three years to complete. One section of this project was completed in 2024 at the Benton Outlet north of Hwy 284.

22 BIG WOODS EAST RAVINE STABILIZATION

Project status: ongoing

Funding source: WMO, Clean Water Legacy (BWSR)

WMO contribution: \$40,000

Grant allocation: \$76,500

Background: This project will stabilize 260 linear feet of the Big Woods East Ravine that has formed between Hwy 41 and the lake that may threaten the structural integrity of Co Hwy 41. It is anticipated that the project will be completed in 2025.

23 CARVER CREEK REALIGNMENT PROJECT

Project status: ongoing

Funding source: WMO, Clean Water Legacy (BWSR)

WMO contribution: \$16,500

Grant allocation: \$148,500

Background: Realignment is the first phase of stabilizing a 60-foot bank that failed in 2012 due to heavy rains. The project aims to move the stream 50 feet away from the toe of the bank and add a floodplain bench to remove the erosive force of the river. Timeline for completion will be two to three years.

24 EAGLE LAKE PHOSPHORUS FEASIBILITY STUDY

Project status: ongoing

Funding source: WMO, Clean Water Legacy (BWSR)

WMO contribution: \$10,000

Grant allocation: \$65,000

Background: Stakeholder group meetings indicated a need for a deeper understanding of what is happening to Eagle Lake and the reason behind poor water quality. This study will define the internal phosphorus load of the lake, impacts of a large wetland complex to the south of the lake, and develop options to reduce phosphorous loading to the lake. The study will take three years to complete.

25 LYMAN BRIDGE STREAM NATURALIZATION

Project status: ongoing

Funding source: WMO, Clean Water Legacy (BWSR)

WMO contribution: \$20,000

Grant allocation: \$180,000

Background: In the early 1990's, a portion of a ravine was filled in anticipation of a future bridge to extend Lyman Blvd in Chaska. As part of that activity, a section of a stream was put into a 315-foot long pipe. The bridge is now being constructed and allowed for the opportunity to remove the pipe and daylight this section of the stream that has been buried for over thirty years. The project will be completed by the end of 2026.

26 BIG WOODS GOLDFISH MANAGEMENT PROJECT

Project status: funded

Funding source: WMO, Clean Water Legacy (BWSR)

WMO contribution: \$10,000

Grant allocation: \$50,000

Background: The completed Big Woods Goldfish Removal Feasibility Study will give options for the first management project within Big Woods and Hazeltine Lakes. It is anticipated that the project will start in 2025.

27 MAPLEWOOD ROAD RAVINE FEASIBILITY STUDY

Project status: funded

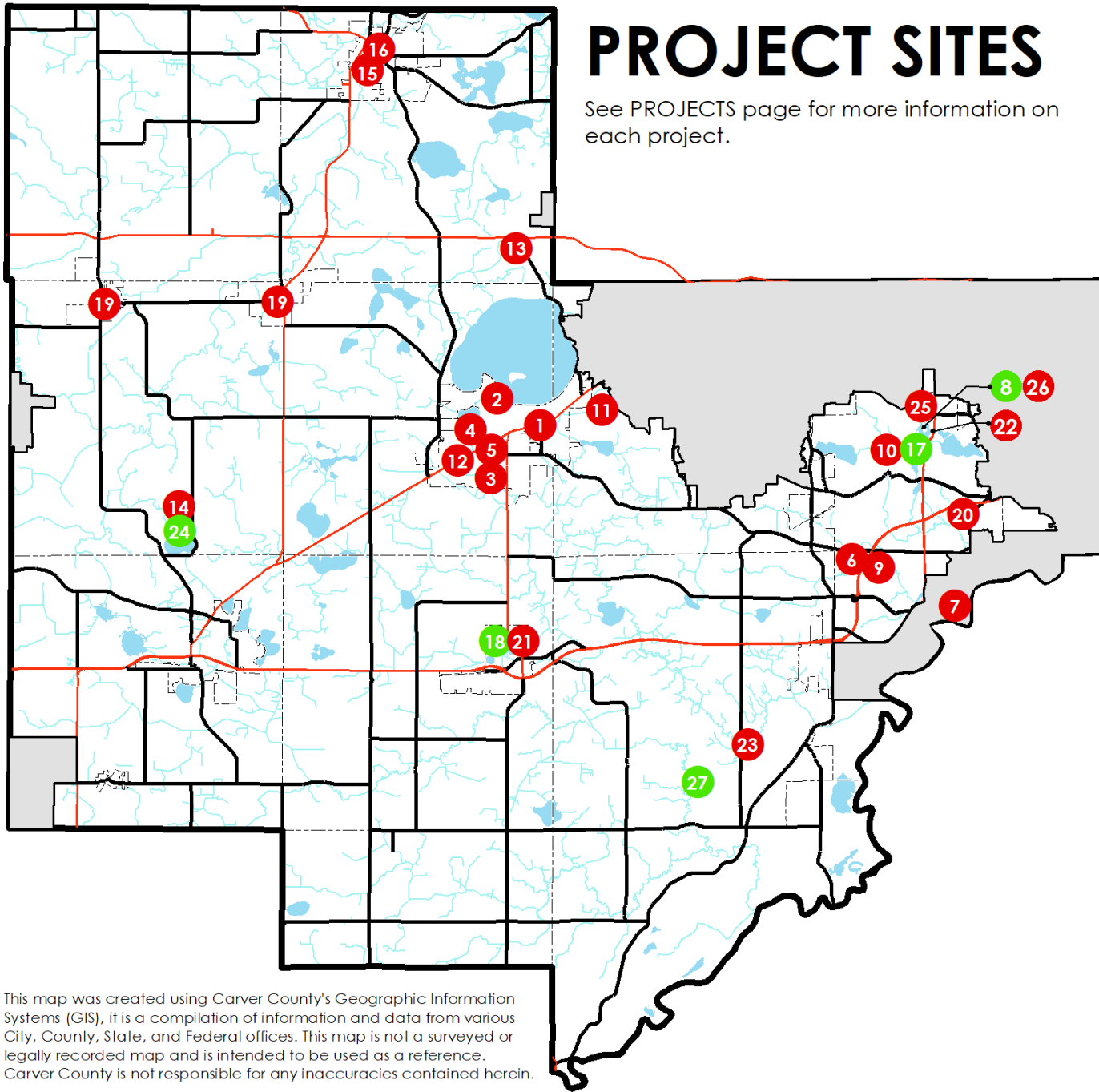
Funding source: WMO

WMO contribution: \$10,000

Background: A large ravine complex has formed over the years starting at a wooden culvert under Maplewood Road and flowing towards Bevens Creek. This study will review options on how best to stabilize the ravine and protect landowner structures that are currently threatened from the unstable ravine. It is anticipated that the study will be completed in 2025.

PROJECT SITES

See PROJECTS page for more information on each project.

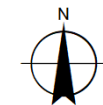


- PROJECT NAME
- 1 Waconia East Frontage Rd Filtration Basin
 - 2 Cedar Point Park Shoreline Stabilization
 - 3 Waterford Park Pond Reuse
 - 4 Burandt Blvd Sump Retrofit
 - 5 Industrial Blvd Wetland Restoration
 - 6 West Creek Stream Restoration
 - 7 Courthouse Lake Pollinator Buffer
 - 8 Big Woods Goldfish Rmvl Feasibility Study
 - 9 Chaska Creek Streambank Stabilization
 - 10 Bavaria Hills Creek Erosion
 - 11 Reitz Lake Ravine
 - 12 Lower Minnesota Turf to Native
 - 13 Waconia Lakeshed SWA
 - 14 Eagle Lakeshed SWA
 - 15 Mullen Bank Stabilization
 - 16 Watertown WWTP Biofiltration Basin
 - 17 Grace Chain Ravine Feasibility Study
 - 18 Benton Lake Carp Feasibility Study
 - 19 Carver Parks Turf to Native
 - 20 Chaska Deerwood Ravine Stabilization
 - 21 Benton Creek Stabilization
 - 22 Big Woods East Ravine Stabilization
 - 23 Carver Creek Realignment Project
 - 24 Eagle Lake Phosphorus Feaibility Study
 - 25 Lyman Bridge Stream Naturalization
 - 26 Big Woods Goldfish Management
 - 27 Maplewood Rd Ravine Feasibility Study

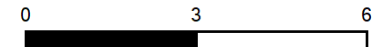
Feasibility Study

Project

This map was created using Carver County's Geographic Information Systems (GIS), it is a compilation of information and data from various City, County, State, and Federal offices. This map is not a surveyed or legally recorded map and is intended to be used as a reference. Carver County is not responsible for any inaccuracies contained herein.



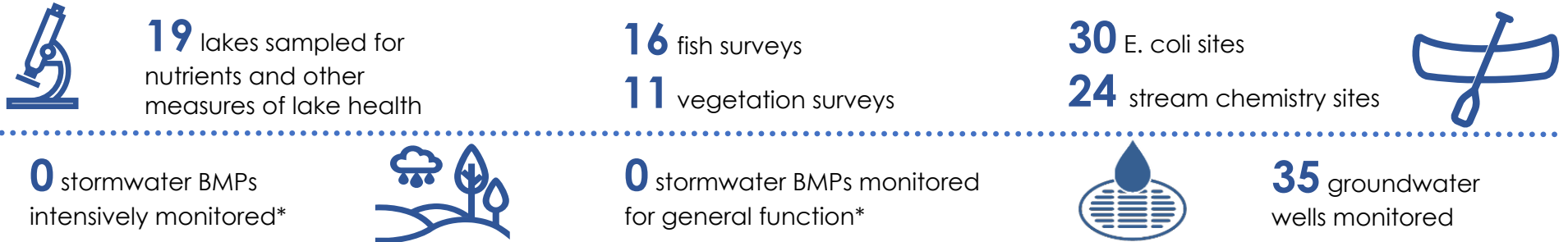
scale in miles



10 | Page

MONITORING IN 2024

The CCWMO operates an extensive monitoring program to capture the dynamic and changing nature of water resources within the watershed. The monitoring program is intended to improve the CCWMO's understanding of water resources and inform decisions about management of water resources within the CCWMO.



PROGRAM HIGHLIGHTS

- Expanded lake monitoring on 5 lakes to include nitrogen, dissolved organic carbon, phytoplankton, and zooplankton. The intent is to determine how these new analytes impact the nitrogen cycle in lakes.
- Continued stream fish monitoring program at 10 sites on East and West Chaska Creeks. The purpose of the surveys was to determine the impacts of the water control structures on fish communities within the two creeks.
- Continued the lake fish monitoring program, with 1 lake and 4 stormwater ponds receiving trap net surveys. The intent of the pond surveys was to investigate fish communities that have connection to Lake Bavaria.
- Continued the lake vegetation monitoring program, completing point-intercept surveys at 9 lakes and invasive aquatic plant delineations at 2 lakes
- Initiated an aquatic plant propagation project in Benton Lake. Thousands of plants were transplanted from Norwood Young America Lake to Benton Lake to establish an aquatic vegetation community. Continued monitoring in 2025 will determine the success of the project.
- Continued the macroinvertebrate monitoring program, with 6 sites receiving surveys within the East and West Chaska Creek watersheds.
- Continued the native mussel monitoring program completing 26 surveys in Bent Creek, Bevens Creek, Carver Creek, Lake Waconia, and Silver Creek.
- Continued inlet monitoring around Lake Bavaria to determine external loads flowing into the lake. In addition, biochar was deployed at 5 inlets around Lake Bavaria to determine removal rates of nutrients and pollutants.

*NOTE: Stormwater monitoring not completed in 2024 due to being short-staffed through the 2024 monitoring season.

MORE INFORMATION: Additional monitoring information can be accessed at www.co.carver.mn.us/water

EDUCATION & OUTREACH IN 2024

The purpose of the education and outreach program is to support the goals of the 2020 Water Plan and improve water quality. Education and outreach activities are used to increase awareness of water resources, foster stewardship of water resources, and encourage behaviors that will protect and preserve water resources.



34 educational programs and activities.



20,997 people reached through educational activities.



PROGRAM HIGHLIGHTS

- Hosted an interactive and well attended County Fair display with a focus on stormwater runoff and residential land use impacts to water resources.
- Continued and modified the Discover Bugs program in partnership with the MN Landscape Arboretum. The program educates youth and adults about aquatic macro-invertebrates, their role as indicator species, their adaptations, and role in the aquatic ecosystem.
- Began a new program to provide well water testing information to more residents and distribute well water testing kits at Special Waste Events, a program of the Environmental Services Department.
- Hosted the 2024 Children's Water Festival in-person 1822 students with two schools from Carver County attending.
- Hosted an Earth Day celebration with City of Chaska and Earth Day story times with Carver County Libraries with education on the importance of lakes and streams and how to protect them.
- Hosted three Lake Bavaria stakeholder group meetings to guide the lake management plan development.
- Hosted a workshop for realtors on septic systems and property sales.
- Presented at 12 summer youth camps reaching 347 students on the topics on water pollution, native plants, aquatic invasive species, and macro-invertebrates.
- Hosted a field days session with Minnesota Department of Agriculture for residents in Silver Creek watershed to learn about the acetochlor impairment and best practices to reduce acetochlor levels.

MORE INFORMATION: Additional education & outreach information can be accessed at www.co.carver.mn.us/water

PLANNING & RESEARCH IN 2024

Our planning & research program aims to further the goals of the CCWMO by:

- Researching the effectiveness of Best Management Practices.
- Evaluating how effectively we are implementing the Plan
- Measuring the effectiveness of our efforts to increase awareness and change behavior
- Conducting unique or specialized planning and feasibility studies to further the goals of the plan



0 local water plans reviewed*



2020 CCWMO Water Plan

Project list updated and released for public review, adoption expected in early 2025.



8 feasibility studies partnering with BWSR

- Big Woods Goldfish Removal Feasibility Study
- Lake Grace NW Ravine Feasibility Study
- Grace Chain of Lakes Ravine Field Investigation Study
- Eagle Lake Phosphorous Feasibility Study
- Benton Lake Carp Feasibility Study
- Big Woods Ravine Feasibility Study
- Carver Creek Bank Failure Feasibility Study



1 feasibility study funded by WMO Levy Funds

- Maplewood Road Ravine Feasibility Study

1 lake management plan with stakeholder partnership

- Lake Bavaria Management Plan

*NOTE: no local plans were submitted for review in 2024.

See **PROJECTS** page for more information on each study.

ADMINISTRATION IN 2024

Proper administration of the CCWMO's fiscal and staff resources is integral to achieving the goals outlined in the 2020 Water Plan. Effective execution of the implementation strategies and activities identified in the plan requires sound fiscal management, adequate staff capacity and expertise, regular outreach and partnership with citizens and other stakeholders, and iterative planning.

ADMINISTRATIVE ACTIVITIES

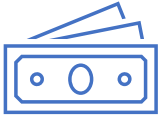
- Citizen Advisory Committee maintained, and meetings held (see page 17)
- Meetings held with city representatives including several annual coordination meetings
- Annual Report prepared and presented to the Citizen Advisory Committee, the County Board and BWSR

ANNUAL BUDGET (unaudited)

The Carver County WMO is operated as part of the County's Public Services (PS) Division. The County Board WMO budget and levy is managed as a set of programs in the PS budget allowing WMO revenues and expenses to be isolated from other Division finances. A separate levy is administered within the CCWMO boundaries (see Figure on pg 3). Funds collected from this levy support the landowner cost share program, LGU cost share program, WMO capital projects, the administration of water management rules, and portions of the operations of the SWCD, education program, monitoring program, planning functions, administration, aquatic invasive species program, and WCA programs (see summary chart below). The County is audited by through an independent auditor complying with Government Auditing Standards on an annual basis; the WMO programs, since they are a part of the County's financial system, are audited as part of this process.

CCWMO 2024 Final Budget	\$
CCWMO 2024 Final Levy	\$
CCWMO 2024 Fees	\$
CCWMO 2024 Levy Impact on avg. value home (\$)	\$

ACTIVE GRANTS



\$1,341,272 total from **11** active grants and **2** agreements.



\$1,290,437 for stormwater BMPs, feasibility studies, creek remeander, ravine and bank stabilization, and annual block grant for programs.

Source of grants: Board of Water & Soil Resources

Grant Periods:

- February 22, 2021 – December 31, 2024
- November 19, 2021 – December 31, 2024
- February 7, 2022 – December 31, 2024
- November 17, 2022 – December 31, 2025
- September 10, 2024 – December 31, 2027

\$960 for groundwater monitoring wells.

Source of grant: MN Department of Natural Resources

Grant Period: July 1, 2022 – June 30, 2024

\$3,875 for pesticide sampling in Carver County.

Source of grant: MN Department of Agriculture

Grant Period: April 1, 2023 – November 1, 2024

AGREEMENTS

\$38,500 to conduct lake, stream and groundwater monitoring in the LMNRWD area in Chaska

Partner: Lower MN River Watershed District (LMNRWD)

Current Agreement Period: January 1, 2023 – December 31, 2027

\$7,500 to conduct MS4 required education activities within the city of Chaska.

Partners: cities of Chaska

Current Agreement Period: January 1, 2020 – December 31, 2025

ORGANIZATION

CCWMO GOVERNING BOARD – CARVER COUNTY BOARD OF COMMISSIONERS

Gayle O. Degler (District 1)

(952) 403-7047

gdegler@co.carver.mn.us

Tom Workman (District 2)

(952) 303-9460

tworkman@co.carver.mn.us

Matt Udermann (District 3)

(612) 888-4733

matt.udermann@co.carver.mn.us

Tim Lynch (District 4)

(952) 353-2598

tlynch@co.carver.mn.us

John P. Fahey (District 5)

(612) 849-6298

jfahey@co.carver.mn.us

CCWMO PRIMARY PARTNER

Carver Soil and Water Conservation District

Mike Wanous, Mgr.

11360 Highway 212, Suite 6

Cologne, MN 55322

(952) 466-5230

CCWMO PRIMARY STAFF CONTACT

Paul Moline

Planning & Water Management

952-361-1825

pmoline@co.carver.mn.us

CONSULTANTS

MN state statute 103B.227 Subd. 5 (requires the CCWMO to seek proposals from engineering firms every 2 years). Six consulting firms were under retainer in 2024.

Civil Methods, LLC

Mr. David Poggi, P.E.

3109 W 50th St, #131

Minneapolis, MN 55410

(763) 210-5713

dave.poggi@civilmethods.com

EOR, Inc.

Mr. Derek Lash

Ste 300 – 1919 University Ave.

West

St Paul, MN 55104

(651) 770-8448

dlash@eorinc.com

Midwest Wetland Improvements, Inc.

Mr. Lucius Jonett

PO Box 448

Victoria, MN 55386

(952) 261-9990

lucius@midwestwetlands.com

WENCK Associates

Mr. Kenton C. Torve, P.E.

P.O. Box 249

Maple Plain, MN 55359

(763) 479-4209

ktorve@wenck.com

Stantec Inc

Mr. Kenton C. Torve, P.E.

One Carlson Parkway North, Suite

100

Plymouth, MN 55447

(763) 479-4209

kent.torve@stantec.com

Moore Engineering Inc.

Mr. Wes Boll

3315 Roosevelt Road, Suite 300

St. Cloud, MN 56301

(320) 281-5493

Wes.boll@mooreengineeringinc.com

ADVISORY COMMITTEES

Purpose

The CCWMO has two permanent advisory committees, the Citizen Advisory Committee (CAC) and the Technical Advisory Committee (TAC). Both committees are established and operated under the County's standard procedures for advisory committees. The CAC is made up of appointed citizen representatives from each of the five commissioner districts in the county and each of the four watersheds in the county. A representative of the SWCD board and a liaison from the TAC also serve on the CAC. The TAC is made up of city and township representatives. The CAC and TAC work with staff in the Planning and Water Management Department of Carver County to make recommendations to the County Board on matters relating to the CCWMO water management plan and budget; and advise staff and the County Board on environmental, waste and recycling issues. As the need arises for special projects, the County Board reserves the right to obtain additional input from stakeholders and citizens who may not be serving on the advisory committees.

CAC Membership (as of Jan 2024)

<i>Jim Boettcher</i>	<i>Citizen Rep Comm. District 1</i>
<i>Kevin Zahler</i>	<i>Citizen Rep Comm. District 2</i>
<i>Nathan Lindall</i>	<i>Citizen Rep Comm. District 3</i>
<i>Mike Lynch</i>	<i>Citizen Rep Comm. District 4</i>
<i>Lori Cox</i>	<i>Citizen Rep Comm. District 5</i>
<i>Kayla Pascoe</i>	<i>Carver Creek watershed</i>
<i>Michael Wegner</i>	<i>Crow River/Pioneer Creek watershed</i>
<i>Mary Strother</i>	<i>Bevens Creek watershed</i>
<i>Carroll Aasen</i>	<i>East/West Chaska Creek</i>
<i>Stan Wendland</i>	<i>SWCD Board Member</i>
<i>Marcus Zbinden</i>	<i>SWCD Board Member Alternate</i>

CAC Meetings

Meeting 1 -	Tuesday, January 30th – 6:00 pm
Meeting 2 -	Thursday, February 27th – 6:00 pm
Meeting 3 -	Tuesday, March 26th – 6:00 pm
Meeting 4 -	Tuesday, April 30th – 6:00 pm
Meeting 5 -	Tuesday, May 28th – 6:00 pm
Meeting 6 -	Tuesday June 25th – 5:20 pm - TOUR
Meeting 7 -	Tuesday July 30th – 6:00 pm
Meeting 8 -	Tuesday August 28th – 6:00 pm
Meeting 9 -	Tuesday, September 24th – 6:00 pm
Meeting 10 -	Tuesday October 29th – 6:00 pm
Meeting 11 -	Tuesday, December 3rd – 6:00 pm

TAC Meetings

Meeting 1 – October 7th – Topic: Water Plan, Updated Project List



Water Management Organization Advisory Committee

January 28, 2025, Meeting

Business Item
<i>Big Woods Goldfish Management Study</i>
Water Management Plan Related Goal
1. Goal 4 Awareness and Behavior. To provide those living, working, and recreating in the CCWMO with the knowledge, skills, and motivation needed to make positive behavior changes that protect surface water and groundwater resources. 2. Goal 6 Evaluating Effectiveness & Progress. To collect data and use the best available science to identify problems and evaluate the effectiveness of solutions.

Summary:

In 2021, CCWMO staff was successful in securing funding for a feasibility study on how to manage goldfish within Hazeltine and Big Woods Lakes. Efforts included tracking movement between lakes, identifying nursery habitat, classify age structures of goldfish, estimating population, and determine best management practices to be used for long term control of goldfish. A study was recently completed that outlined multiple options to both reduce the population of goldfish in the lake and provide long term management strategies to ensure that goldfish are not the dominate fish species in the lake. This presentation will review some highlights and insights into the effects of goldfish on the lake, potential projects and steps that the WMO can take to reduce the number of goldfish, and what future steps that we can take.

Discussion Points:

- Feasibility study highlights.
- Potential projects.
- Future steps.

Recommended WMO Advisory Committee Action:

- Discussion only

Attachments:



CCWMO Advisory Committee

January 28, 2025 Meeting

Business Item

2025 Aquatic Invasive Species (AIS) Plan

Water Management Plan Related Goal

Surface Water Quality

To preserve and improve the quality of surface water resources within the watershed.

Surface Water Quantity

To manage the volume and flow of stormwater runoff to minimize the impacts of land use change on surface water and groundwater resources within the watershed.

Awareness and Behavior

To provide those living, working, and recreating in the CCWMO with the knowledge, skills, and motivation needed to make positive behavior changes that protect surface water and groundwater resources.

Summary:

The Carver County WMO is responsible for implementing the AIS Prevention and Management program. Staff has identified goals, objectives, and priorities that are outlined in a 5 -year Strategic plan and reviewed on an annual basis.

Comments and suggestions from AIS stakeholders have been reviewed and staff will present the proposed **2025** AIS plan. Staff will request a recommendation from the committee to the County Board of Commissioners.

Discussion Points:

- County AIS strategy & status
- 2024 AIS update
- 2025 plan proposal

Recommended WMOAC Committee Action:

- Provide input on 2025 AIS plan proposal
- Provide recommendation for the 2025 AIS plan

Attachments:

- None



Carver County Water Management Organization Advisory Committee

Upcoming Meetings

Date	Meeting Type	Business Items
2/25/2025	Regular	2025 workplan and projects 2025 Subsurface Sewage Treatment Systems program sub-watersheds
3/25/2025	Regular	
4/29/2025	Regular	2026 project requests
5/27/2025	Regular	Draft 2026 WMO Levy

Upcoming Events

January 27-31	Winter Salt Week Winter Salt Week Minnesota Pollution Control Agency (state.mn.us)
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