



Carver County Water Management Organization

Citizen Advisory Committee

1. Approval of the January 28th, 2020 minutes and February 27th, 2020 agenda

2. Notes from the field

3. Business items

- a. No-wake ordinance
- b. 2019 Water Management Organization and Soil & Water Conservation District annual reports
- c. Lake monitoring report

4. Information items & project updates

5. Adjournment

Feb. 27th, 2020

Carver County Government
Center

600 East 4th St. Chaska
County Board Room

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

MEETING OF THE
CARVER COUNTY WATER MANAGEMENT ORGANIZATION ADVISORY COMMITTEE
MEETING MINUTES
Tuesday January 28th, 2020

COMMITTEE MEMBERS PRESENT

<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>Rob McKenna</i>	<i>Citizen representing Commissioner District 3</i>
<i>Stan Wendland</i>	<i>SWCD Board Representative</i>
<i>Thomas Welch</i>	<i>Citizen representing Commissioner District 2</i>
<i>Lori Cox</i>	<i>Citizen representing Commissioner District 5</i>

COMMITTEE MEMBERS ABSENT

<i>Marcus Zbinden</i>	<i>SWCD Board Member Alternate</i>
<i>Doug Kammerer</i>	<i>Citizen, Crow River/Pioneer Creek</i>
<i>Vacant</i>	<i>Citizen, Carver Creek</i>
<i>Mary Strother</i>	<i>Citizen, Bevens Creek</i>

STAFF PRESENT

<i>Paul Moline</i>	<i>Carver County Planning & Water Mgmt.</i>
<i>Tim Sundby</i>	<i>Carver County Planning & Water Mgmt.</i>
<i>Madeline Seveland</i>	<i>Carver County Planning & Water Mgmt.</i>
<i>Andrew Dickhart</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 6:05pm by Paul Moline. Moline gave updates on committee appointment statuses for 2020. There is one new member, Rob McKenna, who will be representing Commissioner District 3, and one vacancy for a representative from Carver Creek Watershed. Staff are advertising for the vacancy at this moment.

1) Elect Chair and Vice Chair

Moline called for nominations for the position of chair. Boettcher nominated Carrol Aasen. Lynch seconded. No other nominations. Aasen was elected chair.

Aasen took over as chair. Aasen requested nominations for position of Vice Chair. Boettcher nominated Mike Lynch. Welch seconded. Mike Lynch was elected vice chair.

2) Review operation rules

Seveland stated that every January the committee has an opportunity to review the operating rules for the committee. She reminded the committee that in 2019 they made a change to how a quorum was defined. Seveland asked for the committee to review the operating rules, recommend any changes and adopt.

Boettcher moved to approve the CCWMO operating rules as printed. Wendland seconded. Motion passed unanimously.

3) Approval of agenda and minutes

Welch moved to approve the Jan. 28th, 2020 meeting agenda. Wendland seconded. Motion passed unanimously. Moline requested that some changes be made to the agenda's order for the evening. Wendland move to adopt agenda with changes. Cox seconded. Motion passed unanimously.

It was noted that the October meeting minutes were not included in the packet. Moline reviewed the meeting minutes with the committee on screen. Wendland moved to approve the Oct. 29th, 2019 meeting minutes. Lynch seconded. Motion passed unanimously.

4) 2020 schedule review

Moline reviewed the 2020 schedule noting the tour on June 30th and no meeting in December. Moline stated the February 25th, 2020 meeting date is the same night as the political caucuses. The committee discussed other nights that week that would work for the meeting.

Lynch moved to approve the 2020 schedule with the February meeting date changed to Thursday Feb. 27th, 2020. Welch seconded. Motion passed unanimously.

5) Notes from the field

Tim Sundby reviewed the West Chaska Creek re-meander project. A portion of West Chaska Creek near the intersection of Engler Blvd. and Hwy 212 in Chaska is being reconstructed to a more historic, natural, meandering path.

The project will improve water quality and overall health of West Chaska Creek by lengthening the stream channel with the addition of more curves and reconnecting a portion of the creek to its original floodplain. The project will reduce stress on streambanks, reduce high water flows that cause erosion, and reduce the amount of sediment in the creek by 4,400 lbs. a year.

The first phase of the West Chaska Creek re-meander project was completed last fall when five meanders were constructed. Staff have been using a drone to capture the steps in the project and changes in the stream during the timeline of the project. Sundby showed many of the drone photos and presented on the construction that has taken place so far.

Drone video links on YouTube.

- <https://youtu.be/bSk-YdP9YV0>
- <https://youtu.be/h-M7ONUZ07s>
- <https://youtu.be/jAoyM7p474Y>
- <https://youtu.be/C4VxXh9nQj4>
- <https://youtu.be/KO5BUWBtf8s>

6) Business items

- **Aquatic Invasive Species 2020 plan**

Andrew Dickhart provided a review of the Aquatic Invasive Species program, 2019 summary and 2020 proposed program.

History of program

- The county program began in 2012 mainly as a watercraft inspection program.
- The program has evolved to include rapid response plans, education and monitoring.
- In 2014, the state began providing County Prevention Aid which distributes funds annually to counties, cities, and watershed districts to help prevent the spread of aquatic invasive species.
- Carver County receives approximately \$130,000/year in prevention aid.

2019 watercraft inspection program summary

- In 2019, watercraft inspectors performed 16,253 watercraft inspections.
- Waconia, Minnewashta and Lotus receive the most inspections. Minnewashta had more inspections than Waconia for the first time.
- The highest number of inspections by weekday occur on Saturday (27%) and Sunday (23%).
- Inspectors found 251 plants and 16 zebra mussels on boats entering lakes.
- Inspectors found 1456 plants and 36 zebra mussels on boats exiting lakes. There are a lot of boats picking up vegetation when leaving accesses. Watercraft inspectors are there to help educate and remove plants and animals.
- From 2017 to 2019 there has been an increase in the number of zebra mussels being found on incoming boats to public accesses.
- In Carver County, there is less than a 4% violation rate in the public not following aquatic invasive species laws.

The 2020 proposed plan includes watercraft inspections, monitoring, education, and projects and grants.

Monitoring and rapid response program

- Early detection monitoring helps enable cost-effective aquatic invasive species management.
- Control costs of dealing with an established invasive species are much greater than prevention and introduction.

- Monitoring program uses early detection surveys, zebra mussel plates and veliger tows, bathymetric and vegetation mapping, e-DNA sampling. The work is done by volunteers, staff and interns. 2019 was the first year we created and used intern positions to monitor lakes for new infestations of aquatic invasive species.
- Rapid response plans map out the direction and actions needed if an infestation occurs.

Education and outreach

- Education is tied into the larger WMO education plan.
- Efforts involve addressing potential mechanisms of introduction, including boaters, aquarium pets, and water gardening.
- The MN Dept. of Natural Resources began providing education on community based social marketing practices and will be offering grants for local government units to try community based social marketing plans.

Projects and grants

- Two past Initiative Foundation grants
 - o Carver County AIS Prevention Enhancement Grant (for decontamination unit).
 - o Vegetation Removal at Public Accesses as prevention measure. This grant was only for two years. The data was inconclusive. Staff would like to look at continuing the project and are considering methods to do so.
- Benton Lake Restoration project
Addressing the existing invasive carp population. Received LCCMR grant funding for 2019 and 2020.
- Grace Chain of Lakes goldfish project
 - o Thousands of goldfish found in Big Wood Lake. Staff are investigating funding opportunities for goldfish removal.

2020 watercraft inspection changes

- Seven lakes will receive watercraft inspections and early detection monitoring: Waconia, Pierson, Bavaria, Minnewashta, Ann, Lotus, and Susan.
- Seventeen lakes would only receive early detection monitoring: Tiger, Rice, Eagle, Hydes, Patterson, Maria, Assumption, Goose, Swede, Reitz, Parley, Auburn, Zumbra, Wasserman, Steiger, and Virginia.
- Funding from partners has gradually decreased each year.
- Dickhart reviewed how the program has adjusted each year to decreases in program funding.
 - o 2016: 12 lakes, 15 accesses, dedicated service for all
 - o 2017: 11 lakes, roving between Piersons and Wasserman
 - o 2018: 11 lakes, roving between Piersons and Wasserman
 - o 2019: 7 lakes, roving between Piersons and Wasserman, focused on monitoring for low priority lakes. Lake Minnewashta Preservation Association and Apple pay to keep inspections on Minnewashta and Piersons

- o 2020: 7 lakes, roving between Piersons and Wasserman, focus on monitoring for low priority lakes. County commissioners contingency fund pays to keep inspections on Minnewashta and Piersons.
- 2020 will bring a new public access in Waconia Regional Park. It is not yet known when the public access will be open. Adding another launch will give us about another \$10,000 in state aid but there is a year lag.

Cox inquired about water stored internally in boats and how that brought aquatic invasive species from lake to lake. Beottcher responded that Adam Doll with the MN Department of Natural Resources did a study on how water found in bilges and other internal areas of boats held and transported aquatic invasive species. He said the Doll found species present but survival rate for zebra mussel veligers (larvae) was very low.

Beottcher commented that the statewide compliance of aquatic invasive species was about 2.3%.

Cox recommended that presentation slide showing the invasion curve be shared with the public to help increase understanding that prevention costs less than control.

Cox inquired if public access users were asked what lake they were at last and if that data is analyzed to look at where zebra mussels are coming from. Dickhart said yes that data is collected and will be included in the 2019 report soon.

Dickhart stated that he could use MN Department of Natural Resources watercraft inspectors on some of the boat launches like Lake Waconia because they are DNR owned. He is going to request that. They would likely provide inspectors 1-2 days a week.

Lynch inquired if there a time when the DNR is going to take over doing inspections or help pay for them. Dickhart responded that the DNR decided they don't have the resources or people to inspect the entire state so they provide counties money for prevention as they are better equipped to handle inspections in their area.

Dickhart reviewed some of the major questions that came out of the stakeholder forum held back in December.

The committee discussed the likelihood of law violations receiving a fine and that fine actually being paid.

Lynch moved to approve the 2020 program to the County Board. Cox seconded. Motion passed unanimously.

- **Crow River Organization of Water funds**

The Crow River Organization of Water was formed in 1999 because ten different counties make up the Crow River watershed and the counties felt the organization could provide better watershed planning. Last year the counties voted to dissolve the organization.

That resulted in \$32,000 of unused funds coming back to Carver County. Moline presented staff recommendations on where to use the funds. Staff decided funds should be used for projects within the Crow River watershed of Carver County. Moline stated that these are existing projects that have been through a process that don't have funds right now.

Recommendations

1. \$12,293 for the City of Watertown stormwater treatment. This project was reviewed last year as part of the WMO's Capital Improvement Project (CIP) cost share application. It was determined to be a lower priority than other projects, and with budget constraints it was not funded.
2. \$10,000 for the Watertown Dam removal feasibility study. This project was included in the 2020 CIP project list. The project was to include \$10,000 of funding from the Carver Soil & Water Conservation District. Other project made these funds unavailable so this would fill that gap.
3. \$9,707 for the Board of Water & Soil Resource grant match. The Board of Water & Soil Resources will be offering Watershed Based Funding again for the 2021 year which includes the Crow River. These funds will be set aside for the required grant match.

Lynch inquired if all the funds for the Subsurface Sewage Treatment System program were used last year. Moline responded yes for the watersheds targeted in 2019. There could be some leftover but we won't know till later as landowners have until this year to come in for the funds.

Aasen reminded the committee that targeting too many septic system replacements a year makes it hard for contractors to get the work done.

Wendland commented he was in support of recommending the projects list as is.

Cox inquired if WMO staff had any past knowledge from Watertown city council on support of the dam removal. Moline responded that there has been some support, some hesitation, and some questions on impacts upstream. Those questions need to be answered through a feasibility study before we can talk to them more. The city is interested because they want to make this a resource as well. The dam is a maintenance and liability issue for the city.

Wendland moved to approve the project list as is. Welch seconded. Motion passes unanimously.

7) Information items and project updates

- The state approved the Water Management Plan in December. The plan goes to the County Board for final adoption on Feb. 4th. Staff will send out a link to where the plan is located on the website. Committee members should notify staff if they want a printed copy.
- The 2040 Comprehensive Plan is also going to the County Board on Feb. 4th for final adoption. It was approved by the Metropolitan Council recently. The Water Management Plan was a part of the 2040 Comprehensive Plan.

Meeting adjourned at 8:08pm.



Water Management Organization Advisory Committee

November 29th, 2016 Meeting

Business Item
<i>No-Wake Ordinance</i>
Water Management Plan Related Goal
1. Effectively and efficiently manage public capital expenditures needed to correct flooding and water quality problems;

Summary:

In June 2019, the County Board adopted a temporary ordinance (attached) to enact slow no-wake requirements on Lake Waconia, Lake Bavaria, and Reitz Lake. At that time, there was a brief discussion about establishing a permanent no-wake ordinance which would automatically go into effect if lake water levels go above an established level. Staff received direction from the Board to develop a permanent slow no-wake ordinance. Staff will provide an overview of the proposed ordinance and is seeking input from the advisory committee.

Discussion Points:

- Methods for determining no-wake
- Lakes impacted by ordinance

Recommended WMOAC Committee Action:

- Provide input on draft No-Wake Ordinance

Attachments: 2019 temporary No-Wake Ordinance

CARVER COUNTY, MINNESOTA

ORDINANCE 78-2019

**A TEMPORARY ORDINANCE
DECLARING EMERGENCY HIGH
WATER CONDITIONS AND IMPOSING
RESTRICTIONS ON THE USE OF
WATERCRAFT ON DESIGNATED LAKES**

THE COUNTY BOARD OF COMMISSIONERS OF CARVER COUNTY, MINNESOTA HEREBY ORDAINS:

SECTION 1. TITLE.

This ordinance shall be known, cited, and referred to as the Carver County Temporary Emergency Slow-No Wake Ordinance 2019.

SECTION 2. DEFINITIONS.

For purposes of this Ordinance, the terms as defined in Minnesota Statutes §86B.005 and Minnesota Rules 6110.3700 shall apply.

SECTION 3. STATUORY AUTHORIZATION AND PURPOSE.

- (A) This Ordinance is enacted under the general powers delegated to the Counties by the State of Minnesota, pursuant to Minn. Stat. §§ 375.51, 86B.205, and 459.20, and Minnesota Rules 6110.3000-6110.3800 as now in effect and as hereafter amended.
- (B) It is the intent and purpose of this Ordinance to:
 - (1) To promote the full use and enjoyment by all of the people, now and in the future, and to promote safety for all persons and property in connection with the use of waters of Carver County;
 - (2) To conserve the quality of the natural environment;
 - (3) To harmonize and integrate the varying uses of said waters; and
 - (4) To promote the general health, safety, and welfare of the general public.

SECTION 4. DECLARATION AND DESIGNATED LAKES.

- (A) The County Board of Commissioners declares a high water emergency on the Designated Lakes as defined by Section 4(B) and imposes a Slow-No Wake restriction pursuant to Minnesota Rule 6110.3700, Subpart 9.
- (B) Designated Lakes. This Ordinance shall control and regulate the use of the waters of the following lakes located in Carver County:

- (1) Lake Bavaria (State Inventory Number 10001900)
 - (a) Slow-No Wake Restriction area includes the entire water body of water of Lake Bavaria.

 - (2) Reitz Lake (State Inventory Number 10005200)
 - (a) Slow-No Wake Restriction area includes the entire water body of water of Reitz Lake.

 - (3) Lake Waconia (State Inventory Number 10005900)
 - (a) Slow-No Wake Restriction area includes the area 600 feet from the shore of Lake Waconia or where watercraft speed or wake constitutes a hazard to persons, property, or the natural resources; or where it has been determined that such control(s) would enhance the recreational use and enjoyment of the majority of users.
- (C) While this Ordinance is in effect, including any extension herein, the Carver County Board of Commissioners hereby grants and delegates to the County Administrator, or his/her designee, the discretion and authority to suspend, remove, modify, or terminate the high water declaration and the Slow-No Wake Restriction *area* and *effective time* with respect to any designated lake; and, to identify and designate additional lakes within the jurisdiction and control of Carver County to be subject to the regulations of this Ordinance.
- (1) Such designation shall be permitted if:
 - (a) the lake elevation reaches or exceeds the Ordinary High Water Mark, as established by the Minnesota Department of Natural Resources Lake Level Minnesota Monitoring Program Gauge; or
 - (b) the lake elevation reaches a level where damage to property is expected.

 - (2) The lake designation as permitted by this section of the Ordinance shall specify whether the Slow-No Wake Restriction area is at 150 feet from the shore or across the entire water body of the designated lake, with the goal of enacting the minimum restriction on watercraft use needed to protect and minimize harm.

SECTION 5. WATERCRAFT SPEED RESTRICTIONS.

During the period this Ordinance is in effect, including any extensions herein, it shall be unlawful for any person to operate a watercraft at greater than a slow-no wake speed, 24 hours per day, or the designated and identified effective time, within the Slow-No Wake restriction area specified on any Designated Lake.

SECTION 6. REMOVAL OF SPEED RESTRICTIONS.

Unless the Slow-No Wake Restriction has been previously modified, terminated, or removed pursuant to the authority granted in this Ordinance, the Slow-No Wake Restrictions shall be promptly removed from any Designated Lake, pursuant to this Ordinance, once the water body has been 0.1 feet below the elevation that triggers the Slow-No Wake Restriction for three (3) consecutive days.

SECTION 7. ENFORCEMENT.

The primary responsibility for enforcement of this Ordinance shall rest with the Carver County Sheriff's Office. Other licensed peace officers, including conservation officers of the Minnesota Department of Natural Resources, are also authorized to enforce the provisions of this Ordinance.

SECTION 8. EXCEPTIONS.

All authored Resource Management, Emergency and Enforcement Personnel, while acting in the performance of their assigned duties, are exempt from the foregoing restrictions.

SECTION 9. NOTIFICATION.

It shall be the responsibility of Carver County to provide for adequate notification to the public, which shall include notification on its website and news releases. Carver County is also responsible for placement of a sign at each Designated Lake public watercraft access, outlining essential elements of this Ordinance, as well as placement of necessary buoys and signs.

SECTION 11. EFFECTIVE DATE.

This Ordinance shall be effective upon passage by the Carver County Board of Commissioners, and, unless extended, shall continue for a period not more than 30 days from the date of passage.

Adopted by the Carver County Board of Commissioners on this 4th day of June, 2019.

COUNTY OF CARVER

Attest:
Randy Maluchnik, Chair
Carver County Board of Commissioners

Dave Hemze
County Administrator

Date: _____

Date: _____

Water Management Organization Advisory Committee

Feb 27th, 2020 Meeting

Business Item
<i>2019 Annual Report</i>
Water Management Plan Related Goal
The report summarizes how major goals in the 2010 Water Management Plan were addressed in 2019.

Summary:

Staff members will present a summary of the 2019 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 2019. The report is currently in DRAFT form and will be distributed to the County Board later this spring and subsequently to the Board of Water, Soil Resources (BWSR).

Discussion Points:

- *Feedback on report summary.*

Recommended WENR Committee Action:

- *No formal action required. Feedback and discussion only.*

CCWMO Advisory Committee

Feb 27th, 2020 Meeting

Business Item
<i>2020 Lake Monitoring Update</i>
Water Management Plan Related Goal
Goal MON-1 To maintain a comprehensive, accurate assessment of surface and ground water quality trends over the long term and comply with all current and future TMDL's monitoring and assessment protocols. This data will be used to compile trend analysis, assess BMP effectiveness, and complete TMDL studies.

Summary

Presentation of the 2019 lake monitoring results.

The Carver County Water Management Organization implements an annual lake monitoring program that includes monitoring 19 lakes county wide. These samples are collected to determine the overall health of Carver County lakes. WMO staff utilize this data to assess trends in lake chemistry over historical periods, which aides in prioritizing potential projects to mitigate pollutant loading in each lakeshed.

Discussion Points

- Questions about monitoring methodology, results, and trends

Recommended WMOAC Committee Action

- No formal action required. Feedback and discussion only.



Carver County Water Management Organization Advisory Committee

Upcoming Meetings

Date	Meeting Type	Business Items
3/31/2020	Regular	2021 Subsurface Sewage Treatment System Incentive Program
4/28/2020	Regular	2021 Project recommendations
5/26/2020	Regular	2021 WMO levy recommendations
6/30/2020	Tour	

Other Events

Date	Program	Details
3/23/2020	Best practices for pollinators summit	Learn more and register https://www.eventbrite.com/e/best-practices-for-pollinators-summit-2020-tickets-86269206519
4/30-5/1	State of the Waters Conference	Learn more and register https://freshwater.org/state-of-water-conference/