



Carver County Water Management Organization Citizen Advisory Committee

1. Introduction of new members and staff
2. Election of Chair & Vice Chair
3. Approval of January 31st, 2017 Agenda
4. Approval of November 29th, 2016 Minutes
5. Business Items
 - a. Review Committee Make up and Meetings
 - b. Approval of Operating Rules
 - c. Aquatic Invasive Species 2017 Program Update
6. Information Items & Project Updates
7. Adjournment

Jan. 31st, 2017

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 Nov. 29th, 2016

COMMITTEE MEMBERS PRESENT

<i>Carroll Aasen</i>	<i>Citizen, East & West Chaska Creek</i>
<i>Mary Strother</i>	<i>Citizen, Bevens Creek</i>
<i>Thomas Welch</i>	<i>Citizen representing Commissioner District 2</i>
<i>Audrey Kramer</i>	<i>Citizen representing Commissioner District</i>
<i>Virgil Stender</i>	<i>Citizen representing Commissioner District 5</i>
<i>Chad Robbins</i>	<i>Citizen, Carver Creek</i>
<i>Doug Kammerer</i>	<i>Citizen, Crow River/Pioneer Creek</i>
<i>Brent Arentz</i>	<i>City of Norwood Young America</i>
<i>Bill Bohnen</i>	<i>SWCD Board Member</i>

COMMITTEE MEMBERS ABSENT

<i>Vacant</i>	<i>Citizen representing Commissioner District 1</i>
<i>Trevor Kruger</i>	<i>Citizen representing Commissioner District 4</i>
<i>Hilary Drees</i>	<i>Benton Township</i>

STAFF PRESENT

<i>Madeline Seveland</i>	<i>Carver County Planning & Water Mgmt.</i>
<i>Kristen Larson</i>	<i>Carver County Planning & Water Mgmt.</i>
<i>Paul Moline</i>	<i>Carver County Planning & Water Mgmt.</i>
<i>Charlie Sawdey</i>	<i>Carver County Planning & Water Mgmt.</i>
<i>Andrew Dickhart</i>	<i>Carver County Planning & Water Mgmt.</i>

Meeting Minutes

The meeting was called to order at 6:03p.m. by Chair Virgil Stender.
Aasen moved to approve the November 29th agenda. Robbins seconded. Motion passed unanimously.

1. Business Items

• **Aquatic Invasive Species Meeting Review**

Dickhart presented an end of season summary to the committee and the input from the AIS stakeholder forum that happened on Nov. 16th, 2016.

2016 Aquatic Invasive Species (AIS) Program

- Drew reviewed the role and limitations of the County in AIS prevention.
- In 2016, staff developed the Priority Lake Concept which determined when and where watercraft inspections took place on lakes.
- 2016 had two partnerships; Minnehaha Creek Watershed District which contributed to Lake Minnewashta, Pierson, Wasserman and Parley, and City of Chanhassen which contributed to Lotus Lake, Lake Susan and Lake Anne.

- Decontamination Unit was available Mid May through September.

End of Season Inspection Statistics

- Total of 25,368 inspections, 46% on Waconia
- 65% of inspections were on fishing boats, 19% on personal watercraft
- 366 inspections had aquatic invasive species found, plus 101 with drain plug violations
- 67% of the AIS found were plants
- 74 decontaminations were performed

Stakeholder Forum on 11/16/2016 Main Themes

- Staff held a stakeholder forum with 19 people in attendance to gather input on the AIS program.
- Ideas for strengthening the 2017 program
 - Expand education – tying messages to how they use the lake
 - Education for organization with stewardship responsibilities and local decision makers (bottom –up)
 - Program for cleaning up vegetation at landing
 - Creative solutions...
 - Explore regional inspection program
 - Explore option for calling an inspector (mpls has similar program)
 - Increase partnerships with law enforcement
 - Better follow up with violators
- Common themes
 - Do more with less
 - Education is key – staff, public, etc.
 - Need more/better enforcement
 - Partnerships are good
 - Advocate changes at state level
 - Regional or centralize inspection program
- Next steps:
 - Preliminary plans to bring back to stakeholder group
 - County Board work sessions (Dec. or Jan.)

Committee Input

Strother requested a description of the regional inspection system. Moline replied that a inspection station would be set up somewhere in the middle of selected lakes in Chanhassen. Boaters would be encouraged or enforced to go there before they can launch at lake. The proposal was brought forward by a group of lakes. There are a lot of questions about how it would work.

Strother commented that perhaps it could function like a parking ramp where you get a ticket and after an inspection and feed it into a gate at a lake to get in.

Aasen commented on the proposal saying it doesn't sit well with the Department of Natural Resources because no one actually gets inspection and it is difficult to enforce.

Aretz commented that we can never be at 100% participation (in AIS prevention) and advised staff to look at a good percentage that will save the lakes.

Kramer commented that consequences are important. Violators need to be followed up with.

Welch inquired if there are ways to incentivize groups who feel AIS is not a big deal, such as a partnership with a store, coupon or discount to get an inspection. Dickhart responded that some of our AIS education funds were used for promo items but they were small. Staff could look at some sporting good stores for partnerships. Welch also proposed possibly having the boat inspection at a store's location.

Robbins inquired if there is information about how frequently people who trailer their boat move it from lake to lake? Dickhart responded that there is some but it's not great. Robbins proposed that perhaps boaters could be assigned a lake and get inspected for the lake they use 99% of the time. Dickhart said the tagging program we tried was similar. Not many people participated but those who did really like it. Staff have also talked about using RFID technology at landings.

Moline asked the committee if there was any additional information they needed on the subject. Welch responded that it is a very complex issues with many moving pieces. He expressed

Welch – this is a very complex issue. There are a lot of moving pieces. It's very hard for me to give back. I wouldn't argue with anything you are doing but I don't have much to offer as far as an alternative.

Kramer inquired if we are making progress and what the end goal is. Dickhart responded that the goal is prevention. Eradication of AIS once a water body is infested is expensive and not really possible. It's cheaper to prevent the spread. Inspections are helping and have caught AIS trying to enter Carver County lakes.

Robbins inquired if the County has a say at the state level. Since every boater has to register, could they register as a single lake boater or multiple? Dickhart replied that yes there has been that kind of lobbying at the state. So far, boater registers have to sign a statement every three years saying they know how to prevent spreading AIS.

Moline stated any additional comments or questions can be sent to Drew (ddickhart@co.carver.mn.us) and that this will likely be an agenda item until the next season starts.

- **Microbial Source Tracking in Bevens and Carver Creek**

Sawdey presented the results of the source tracking study for Bevens and Carver Creek

Background

- Staff gathered additional water samples in the 2014 season to study for human and cow source tracking markers
- 13 locations in Bevens and Carver and two outside the watersheds
- There are genetic markers that target bacteria that come from specific host organisms, in this case cow and human.

Results

- Over the frequency of the human marker found in samples was much higher than the frequency of the cow marker.
- Sub-watershed Tacoma in Bevens Creek has high number of human markers. However, they have a permitted discharge so it was not surprising to see a steady source.
- Bent Creek and Sibley were the only sub-watersheds studied that did not have a human marker found. Many sub-watersheds did not have the cow marker at all.
- Cow markers were high in sub-watershed BE21 and BE9 where staff did see a lot of cows in the streams and along the shorelines with doing their paddle survey.

Committee input

Robbins inquired where staff thought the human sources of E. Coli were coming from. Sawdey responded that staff have addressed the direct discharges in most of the watershed, but there could likely be a lot of older homes with failing septic systems that are still sources. Moline added that the results raise more questions about what is left out there related to septic systems. Some systems are likely 40-50 years old.

Kramer inquired if staff could find out if a particular septic system is working? Sawdey responded that yes, environmental services staff can test a system for compliance if there is a permit.

Kramer reported her research on how many cases of E.coli poisoning occurred in Minnesota annually, 160-220 a year.

Strother commented that she hopes the testing and background information the County Board receives gets them ready to take on actions to clean up the streams. She commented that enforcement needs to play a role; stern letters are not enough. Kramer seconded Strother's comments saying staff should continue lobbying the legislature for money for water problems.

• **Water Management Plan Prioritizing and Input**

Moline began the discussion on the Water Management Plan update, which the committee first heard about in the October meeting. Moline reviewed the major issues and the discussed the amount of CCWMO resources (staff time) allocated to each one.

- Major Issues (staff time allocated)
 - Aquatic Invasive Species (20%)
 - Monitoring lakes, streams, groundwater and more (25-30%)
 - Permitting program for stormwater and wetland permits, construction site inspections and stormwater workshop (25-30%)
 - Education for citizens, local decision makers, students and staff (15%)
 - Cost Share Program for projects, well sealing, SSTS loan program (5-10%)
 - Projects (5-10%)
 - Groundwater Management (5%)
 - SSTS Program (5% - most of the program is implemented by Env. Services staff)
 - Agricultural practices (5% - most is implemented by Env. Services and SWCD staff)

- Solid Waste – (all implemented by Environmental Services)

Committee Input

The committee participated in a focused conversation on the CCWMO's water resources. Responses will be used to guide the plan update.

Question 1: Thinking about the lakes and rivers in Carver County, what's one observation you have?
Committee responses

- County is blessed with many high quality water resources
- Why do we charge for swimming on Lake Waconia beach?
 - A: Beach is within a regional park, no public beach within city limits
 - Lakes/water resources should be a public resource/public benefit (provide more/easier access)
 - There are some discussions about removing user fees for regional parks
 - Should encourage use/enjoyment of lakes
- Don't like seeing green ponds/lakes
- Get the cows out of water resources (lakes/creeks)
 - Would need to provide access to water for cows

Question 2: What do you feel is working well to prevent pollution in surface waters?

- Love stormwater runoff control (e.g. rain gardens and permeable pavement in Waconia)
- Doing a good job implementing projects (permeable pavers at Iron Tap/HEI, Watertown Fishing Blocks)
- More education for private residents about what they can do on their own property
- Good job being transparent and seeking input from stakeholders (Stormwater Workshop, Topsoil Focus Group, AIS stakeholder forum) => making a good effort to seek input
- Doing a good job educating K-12 students who can then influence their parents
- Newspaper articles are an effective way of reaching many people
- Reuse project at Bayview Elementary
- Wetland restoration project in Watertown
- Benton Lake Fish Barrier (restoring Benton Lake)

Question 3: What are additional things that could be done to protect surface waters?

- Look at nitrates in the water – use existing monitoring data to assess problem and identify solutions to the problem
- Identify new solutions to problems (innovate!)
- Use data to assess effectiveness of solutions to problems
- Failing SSTs & e coli – require updates for extremely out of date systems (changes to ordinance, enforcement, etc)
- Move more towards action rather than collecting/analyzing more data
- Do a better job educating the public about successes (e.g. if a wetland was created as part of a development, publicize the benefits/successes of creating the wetland)

- Explore options for requiring mitigation for wetland impacts within Carver County (rather than outside the County)
- Move forward with Chain of Lakes restoration in Chaska now that Ryder Cup is finished
- Stormwater runoff is an important issue given growth in the county... new plan should continue to address and manage stormwater (this should be prioritized over other activities)
- Bevens and Carver Creek stand out as impaired waters that should be a focus area for implementation (lack of public outcry should not dictate where resources go)
- How connected are we to the U of M and their research projects?
 - Currently work with SAFL, AIS Research Center
 - Look for ways to increase partnership with U of M to help identify solutions to problems (e.g. turf maintenance and water use research, research on drought tolerant grasses)
- Smart salting – work to promote smart salting within the WMO, foster relationships/partnerships between cities (e.g. joint brining fill up station)
- Promote relationships between urban and rural residents
- Encourage establishment of buffers/education on importance of buffers
- Don't just do the minimum – go above and beyond (Ex. Instead of only requiring 6" of top soil in new top soil ordinance, require more)

Question 4: What actions or changes should be included in the next 10 year WMP?

- Enforce septic system rules more effectively to get aging/non-compliant systems replaced
- More actively address issues facing Carver and Bevens Creek
- Encourage U of M to use Carver County waters for research (AIS, water quality, etc)

Additional information needed:

- Look for models from adjacent counties/cities that are effective and addressing issues we also face
 - Cass County sends out info on AIS with tax statements

Next Steps

- Explain connection to Carver County Comp Plan
- Explain connection to City Comp Plans and Local Water Plans

Meeting adjourned at 7:58 pm

CARVER COUNTY WATER MANAGEMENT ORGANIZATION

CITIZEN ADVISORY COMMITTEE

COMMITTEE MEMBERSHIP as of 1/20/2017

Stan Wendland – SWCD Board Member Representative
(**Marcus Zbinden**- SWCD Board Member Alternate)

Brent Aretz City of NYA - Technical Advisory Committee Representative

COMMISSIONER REPS

Vacant	- Citizen Rep Comm District 1 (DEGLER)	Term 1	Expires 2016
Thomas Welch	Citizen Rep Comm District 2 (WORKMAN)	Term 1	Expires 2018
Audrey Kramer	- Citizen Rep Comm District 3 (MALUCHNIK)	Term 3	Expires 2017
Trevor Kruger	- Citizen Rep Comm District 4 (LYNCH)	Term 1	Expires 2017
Virgil Stender	- Citizen Rep Comm District 5 (ISCHE)	Term 3	Expires 2018

WATERSHED AREA CITIZEN REPS

Chad Robbins	-Carver Creek	Term 2	Expires 2019
Doug Kammerer	- Crow River/Pioneer Creek	Term 1	Expires 2017
Mary Strother	- Bevens Creek	Term 1	Expires 2018
Carroll Aasen	-East/West Chaska Creek	Term 1	Expires 2018

* Chair

** Vice Chair

Primary Committee Staff

Paul Moline – Planning & Water Department Manager

Madeline Seveland– Water Management Organization Education Coordinator

Mike Wanous – Soil & Water Conservation District Manager

Tom Vellenga – Public Services Division Director

Meeting Dates 2017

Meeting 1 - Tuesday, January 31st – 6:00pm
Meeting 2 - Tuesday, February 28th, – 6:00pm
Meeting 3 - Tuesday, March 28th – 6:00pm
Meeting 4 - Tuesday, April 25th – 6:00pm
Meeting 5 - Tuesday, May 30th – 6:00pm
Meeting 6 - Tuesday June 27th – 5:20pm TOUR
Meeting 7 - Tuesday July 25th – 6:00pm
Meeting 8 - Tuesday August 29th – 6:00pm
Meeting 9 - Tuesday, September 26th – 6:00pm
Meeting 10 - Tuesday October 31st – 6:00pm
Meeting 11- Tuesday, November 28th – 6:00pm



CCWMO Citizen Advisory Committee

January 31st, 2017 Meeting

Business Item
<i>Review of Operating Rules</i>
Water Management Plan Related Goal

Summary:

The Water Management Organization Advisory Committee annually reviews and approves their Operating Rules. These Operating Rules are based on the County Boards Operating Rules that identify and set up procedures relating to elections of Chair & Vice Chair, attendance, membership, compensation and more. Listed in Section II, it is stated that each January the Committee will “review, amend if necessary, and adopt the operating rules for the coming year.”

Discussion Points:

- Are there any changes or recommendations to the current Operating Rules?

Recommended WMO Citizen Advisory Committee Action:

- Staff is recommending that the committee adopt the Operating Rules as they exist or make recommendations citing any changes deemed necessary.

Attachments:

- Operating Rules

Water, Environment & Natural Resources Advisory Committee

January 31th, 2017 Meeting

Business Item
<i>Aquatic Invasive Species (AIS) Program Update</i>
Water Management Plan Related Goal
1. Effectively and efficiently manage public capital expenditures needed to correct flooding and water quality problems;

Summary:

The Carver County Aquatic Invasive Species (AIS) watercraft inspection program for 2017 is in the planning stages and preparing to commence in May. Staff held an AIS Stakeholder Forum in Nov. 2016 to gather input and ideas to help shape the program for 2017. This item will provide a brief summary of the comments received at the forum and discuss several potential changes.

Discussion Points:

- Staff will seek input from Committee on options for shaping the 2017 inspection program.
- Second AIS Stakeholder Forum in February.
- Options for potential funding shortfall and prioritizing lakes.

Recommended WENR Committee Action:

- Recommend best option(s) for the 2017 inspection program to the Carver County Board.

Attachments:



Carver County Water Management Advisory Committee

January 31st, 2017

Information Items & Project Updates

Education Program

- Second Aquatic Invasive Species Program Stakeholder meeting scheduled for February 2nd at the Chanhassen Recreation Center. The purpose is to review the 2017 Aquatic Invasive Species Program proposed plan.
- Reporting for the education plan, Local Water Management Plan and Municipal Separate Storm Sewer System partnerships has begun, and CCWMO annual report has begun.
- Planning and coordination continue for CCWMO's 20th anniversary event on Feb. 8th, 2017 at the Chaska Event Center.
- Madeline will begin meetings with cities in February to begin education planning for 2017.
- CCWMO is hosting its first ever Ice Shanty Live Lake Lab in 2017. The purpose is to educate citizens about CCWMO, water monitoring, lake health and aquatic life. The shanty will be set up at the Fireman's Lake Ice Fishing contest (Feb. 25th) and the Chanhassen February Festival's Ice Fishing Contest (Feb. 4th). Visitors can stop by the live and drive an underwater robot, view aquatic micro-organisms and more.

Water Plan Update

- Gathering input on water-related issues from stakeholder groups continues. We met with the Technical Advisory Committee in January. Next steps include collecting input during the CCWMO 20th Anniversary Event on February 8th and meeting with city planning and engineering staff in February.

WMO Project Updates

Streambank Exclusion

Funding source: Clean Water Legacy (BWSR)

Grant allocation: \$40,000

WMO Match: \$20,000

Background: This program will provide incentive to cattle growers to remove cattle from the riparian corridor.

Update: One fencing project has been installed. WMO and SWCD staff have been in contact with other potential interested landowners and more detailed plans are being drawn up. Focus will transition to Carver Creek producers once Bevens Creek options are exhausted.

Carver Clean Water Initiative

Funding source: Clean Water Legacy (BWSR)

Grant allocation: \$150,000

WMO Match: \$70,000

Background: This initiative will provide businesses and non-profit organizations (non-governmental) up to \$25,000 in cost share to install clean water projects on their property.

Update: Pervious pavers at Iron Taphouse and HEI collision in downtown Waconia were successfully installed benefiting the water quality of Lake Waconia. An additional site in Waconia is being discussed with landowners. A school district 112 site near lake grace has been installed.

Fountain Park Stormwater Retrofit

Funding source: Clean Water Partnership (MPCA)

Grant allocation: \$75,000

WMO Match: \$90,000

City of Waconia Match: \$25,000

Background: Much of the city's stormwater infrastructure is dated, and several large developed areas downtown Waconia drain directly to the lake without treatment. Of particular concern, is an 11.19 acre area that drains to the Fountain Park Pond adjacent to Waconia City Hall. During a rain event the pond is dramatically overwhelmed providing little treatment. The proposed project aims to add substantial stormwater treatment capacity to the Fountain Park area by adding a suite of BMPs that will mitigate direct suspended solid and phosphorus loading to Lake Waconia. This project is part of a larger stormwater retrofit project in this area of the city. The WMO received a Clean Water Partnership Grant from MPCA in 2014 to defray \$75,000 of the total project cost.

Update: Project construction is approximately 90% complete. An additional \$18,000 was received from the State which will be used for installation of tree box treatment in fall of 2016.

Mayer Wetland Restoration

Funding source: City of Mayer

WMO CIP contribution: \$50,000

Background: Project aims to restore a wetland area adjacent to Central Pond.

Update: Major work is complete. Vegetation will be planted in spring of 2017.

Benton Lake (Phase 2)

Funding source: City of Cologne

WMO CIP contribution: \$55,000

Background: Phase I was the installation of a fish barrier at the outlet of the lake, which will virtually eliminate the possibility of carp re-establishing within Benton Lake from Carver Creek.

Update: Staff discussed Phase II with the WMOAC committee in March 2016. Phase II will consist of rotenone during winter conditions, or a fall application if an applicator cannot be found.

2016 SSTS:

Funding source: WMO

WMO contribution: \$50,000

Background: This program incentivizes direct discharge SSTS systems in the Bevans/Carver creek TMDL watersheds and for first come-first serve volunteers CCWMO wide.

Update: The Board approved the 2016 program in April for the sub-watersheds Carver Creek W10, W12 priority and CC9 and CC11 as secondary.



Carver County Water Management Organization Advisory Committee

Upcoming Meetings

Date	Meeting Type	Business Items	Special Notes
1/31/2017	Regular	Aquatic Invasive Species Operating Rules	
2/28/2017	Regular		
3/28/2017	Regular		

Others Events

2/2/2017	Aquatic Invasive Species Stakeholder Meeting	Second stakeholder AIS meeting to hear and discuss the 2017 AIS program recommendations. Chanhassen Recreation Center 6pm – 7:30pm	
2/8/2017	Waters of Carver County- the Next 20 years	20 th anniversary celebration for CCWMO Chaska Event Center 3210 Chaska Blvd. Chaska, MN 55318	RSVP desired – contact mseveland@co.carver.mn.us or 952-361026