

# **Riley-Purgatory-Bluff Creek Watershed District**

Board of Managers Regular Meeting

**Wednesday, November 6, 2019**

**7:00pm Board Meeting**

DISTRICT OFFICE

18681 Lake Drive East

Chanhasen

## **Agenda**

**Meeting will begin at 7:00pm**

- 1. Call to Order** **Action**
- 2. Approval of the Agenda** **Action**
- 3. Public Hearing: Rules Amendment**
- 4. Matters of general public interest** **Information**

Welcome to the Board Meeting. Anyone may address the Board on any matter of interest in the watershed. Speakers will be acknowledged by the President; please come to the podium, state your name and address for the record. Please limit your comments to no more than three minutes. Additional comments may be submitted in writing. Generally, the Board of Managers will not take official action on items discussed at this time, but may refer the matter to staff for a future report or direct that the matter be scheduled on a future agenda.
- 5. Reading and approval of minutes** **Action**
  - a. Board of Manager Meeting, October 2, 2019
- 6. Citizen Advisory Committee** **Action**
  - a. Report
  - b. Motion
  - c. Calendar 2020
  - d. CAC membership
- 7. Consent Agenda**

(The consent agenda is considered as one item of business. It consists of routine administrative items or items not requiring discussion. Any manager may remove an item from the consent agenda for action.)

  - a. Accept October Staff Report
  - b. Accept October Engineer's Report (with attached Inspection Report)
  - c. Award Demolition Project for 730 and 750 Pioneer Trail (Wetland Project)
  - d. Award Lake Susan Park Pond Repair and Maintenance for Spent Lime Facility to Sunram

- e. Approve Scenic Heights Elementary School Forest Restoration Project – Pay Application #6
- f. Enter into Agreement with Fortin Consulting on the final development of training manual for property managers
- g. Approve Annual Communication for release

**8. Action Items**

**Action**

- a. Pulled consent items
- b. Accept September Treasurer’s Report
- c. Approve Paying of the Bills
- d. Elect MAWD Delegate
  - i. Discuss position on resolutions
- e. 2020 Calendar
- f. AIS

**9. Discussion Items**

**Information**

- a. Manager Report
  - i. Governance Committee
  - ii. Personnel Committee
  - iii. BWSR Board
  - iv. Other matters
- b. Administrator Report
- c. Land Exchange for County Road 101 to maintain access to Bluff Creek from RPBCWD land.

**10. Upcoming Board Topics**

- a. Approve Task Order Wetland Restoration at Pioneer Trail
- b. Order Silver Lake Water Quality at Pleasant View Drive (January)

**11. Upcoming Events**

**Information**

- Personnel Committee, November 14, 2019, 3:00pm, 18681 Lake Drive East, Chanhassen
- Citizen Advisory Committee Meeting, November 18, 2019, 6:00pm, 18681 Lake Drive East, Chanhassen
- Evening with the Watershed, December 3, 2019, 6:30pm, Chanhassen American Legion
- MAWD Conference, December 5-7, 2019, Annual Conference of the Minnesota Association of Watershed District in Alexandria, MN

## MEETING MINUTES

### Riley-Purgatory-Bluff Creek Watershed District

October 2, 2019, RPBCWD Board of Managers Monthly Meeting

#### PRESENT:

Managers: Jill Crafton, Treasurer

Dorothy Pedersen, Vice President

Dick Ward, President

David Ziegler, Secretary

Staff: Claire Bleser, RPBCWD Administrator

Terry Jeffery, Watershed Planning Manager

Louis Smith, Attorney, Smith Partners

Scott Sobiech, Engineer, Barr Engineering Company

Other attendees: Nancy Dalton, Bloomington CSW Condos Rin Porter, Bloomington resident

Jayne Jensen, Bloomington resident

Gretchen Schroeder, Westwood Professional Services

Ann-Marie Naopola, Bloomington resident Lori Tritz, CAC

#### 1. Call to Order

1 President Ward called to order the Wednesday, October 2, 2019, Board of Managers Monthly Meeting at 6:59  
2 p.m. at the District Office, 18681 Lake Drive East, Chanhassen, MN 55317.

#### 2. Approval of Agenda

3 Manager Pedersen requested adding to the agenda a closed session at the end of the regular meeting in order to  
4 continue discussing the Administrator review. President Ward added it as agenda item 11. President Ward  
5 announced Consent Agenda item 6d – Permit 2018-066 Castle Ridge – Approve permit as presented in the  
6 proposed Board action of the permit report – is moved to 7a – Pulled Consent Items. Manager Ziegler requested  
7 moving Consent Agenda item 6a – Accept Staff Report – to 7a – Pulled Consent Items. Manager Ziegler moved  
8 to approve the agenda as amended. Manager Pedersen seconded the motion. Upon a vote, the motion carried 4-0.  
9 [Manager Koch absent from vote.]

#### 3. Matters of General Public Interest

10 No matters of general public interest were raised.

#### 4. Approval of Minutes

##### a. September 4, 2019, RPBCWD Board of Managers Regular Monthly Meeting and Public Hearings

11 Manager Pedersen noted that on page 3, line 47, the minutes should include that Ms. Miller noted that  
12 homeowners dump leaves on the slopes around Christmas and Lotus lakes. Manager Pedersen also noted  
13 that on page 6, line 153, the Board recognized and thanked Ms. Jordan for her work with the Watershed  
14

15 District and that it was Ms. Jordan’s last meeting with the District. Manager Crafton requested a comma  
16 be replaced with a semicolon on page 5, line 144 so the line reads, “\$...10,000; so it...” She noted the  
17 word “defer” should replace “differ” on line 188 of page 7. Manager Crafton requested the removal of the  
18 word “and” on page 7, line 195 and the insertion of the word “as” on page 7, line 196 so the phrase reads,  
19 “as appropriate.” Manager Ziegler requested adding language on page 7, line 188, to the project title reads,  
20 “...101 Project from Flying Cloud Drive to Pioneer Trail.”

21 Manager Ziegler moved to accept the minutes as amended. Manager Pedersen seconded the motion. Upon  
22 a vote, the motion carried 4-0. [Manager Koch absent from vote.]

## 5. CAC

23 Ms. Lori Tritz, CAC President, reported the CAC met on September 16, and the key motions from the Committee  
24 to the Board include: the CAC supports and encourages the St. Hubert project; the CAC recommends having a  
25 minimum of 12 members and maximum of 15 members on the CAC with at least two new members appointed  
26 each year and a two-year term for each CAC member; the CAC recommends that bee-safe lawns be eligible for  
27 District stewardship grants on the condition that only native plants are used in addition to fine fescues. Ms. Tritz  
28 reported that at its next meeting, the CAC will discuss it’s role, projects, and involvement. She said if the Board  
29 has any feedback regarding the definition of the CAC’s role and involvement to share it with the CAC before its  
30 next meeting. Manager Pedersen asked Ms. Tritz to provide a summary of the CAC members’ attendance at the  
31 Committee’s 2019 meetings and details on who missed meetings without an excuse so the Board can get an idea  
32 about who has or has not been a regular participant. The managers discussed the minimum and maximum number  
33 of CAC members and the District’s governing document language regarding the CAC membership. Attorney  
34 Smith said he hears the CAC making a recommendation to the Board about the CAC membership number. He  
35 said he recalls that the Board’s practice has been to make annual appointments for one-year CAC terms, and he  
36 can review the District’s governing documents for any language related to CAC appointments. The Board had a  
37 lengthy discussion about CAC membership.

38 Manager Pedersen moved to hold the current CAC membership and those who wish to stay on the CAC for  
39 another year or two years will be noted, and the number of available CAC spots will be tallied after the poll of  
40 current CAC members, and the members’ terms on the Committee will be staggered so not every member’s term  
41 ends at the same time. Manager Crafton seconded the motion. Ms. Tritz noted that there is no CAC term limit in  
42 place, and members who are interested and qualified may be interested in continuing for more than a single term.  
43 Upon a vote, the motion carried 4-0. [Manager Koch absent from vote.] Administrator Bleser commented that  
44 after the number of CAC vacancies is known, staff will advertise the openings and open the application process.

45 Ms. Tritz mentioned that the CAC stormwater committee organized a clean-up around Purgatory Park. She  
46 summarized the results of the clean-up, and she noted that the group were testing the clean-up kits assembled by  
47 the subcommittee.

## 6. Consent Agenda

48 Manager Crafton moved to approve the Consent Agenda. Manager Ziegler seconded the motion. Upon a vote, the  
49 motion carried 4-0. [Manager Koch absent from vote.] The items on the Consent Agenda included: 6b – Accept  
50 Engineer’s Report (with Attached Inspection Report); 6c –Approve Final Pay App for Chanhassen High School.

## 7. Action Items

51 **a. Pulled Consent Agenda items**

52 **i. Permit 2018-066 Castle Ridge – Approve Permit as Presented in the Proposed Board**  
 53 **Action of the Permit Report**

54 President Ward said he pulled this item from the Consent Agenda so staff could provide a short  
 55 description of the project. He noted it is a very significant project for the City of Eden Prairie and  
 56 has been in the works for seven to eight years. Engineer Sobiech summarized the project, saying it  
 57 is a redevelopment project at Prairie Center Drive and Flying Cloud Drive. He said the total  
 58 project site is 19.5 acres and the lots are being replatted into three parcels: Lot 1, Outlot A, and  
 59 Outlot B. Engineer Sobiech talked about the redevelopment of Lot 1 for a 275-unit senior housing  
 60 development, Outlot A for a 133-unit apartment building, and the conversion of Outlot B into  
 61 green space for the present time. He provided more details about the project and noted that a  
 62 permit would be required to develop Outlot B. Managers provided comments, and Engineer  
 63 Sobiech responded to questions.

64 Manager Ziegler moved to approve Permit 2018-066 Castle Ridge as presented in the permit  
 65 report. Manager Pedersen seconded the motion. Upon a vote, the motion carried 4-0. [Manager  
 66 Koch absent from vote.]

67 **ii. Accept Staff Report**

68 Manager Ziegler stated that the first page of the report noted that the Governance Committee did  
 69 not meet in August, but he would like the report to note that the Governance Committee, and the  
 70 other District Board Managers, went to a 1.5-day seminar by MAWD to learn about governance.  
 71 Manager Ziegler moved to accept the staff report as amended. Manager Crafton seconded the  
 72 motion. Upon a vote, the motion carried 4-0. [Manager Koch absent from vote.]

73 **b. Accept Treasurer's Report**

74 Treasurer Crafton communicated that the report has been reviewed in accordance with the District's  
 75 internal controls and procedures. She moved to accept the Treasurer's Report as presented. Manager  
 76 Ziegler seconded the motion. Upon a vote, the motion carried 4-0. [Manager Koch absent from vote.]

77 **c. Approve Paying of Bills**

78 Manager Crafton moved to pay the bills. Manager Pedersen seconded the motion. Manager Ziegler asked  
 79 about the fraudulent credit card activity noted in the report. Administrator Bleser explained there was a  
 80 fraudulent charge, and the bank reversed the charge and issued the District a new card. Upon a vote, the  
 81 motion carried 4-0. [Manager Koch absent from vote.]

82 **d. Resolution to Adopt Plan Amendment for St. Hubert**

83 Administrator Bleser reminded the Board that last month the District held the public hearing for this plan  
 84 amendment. She noted staff made one modification in response to the MPCA's comment requesting the  
 85 inclusion of the estimated pollutants removal resulting from this project. Administrator Bleser pointed out  
 86 the additional information detailing what the project is estimated to achieve. Manager Ziegler moved to  
 87 adopt Resolution 2019-020 Adopting the Plan Amendment for St. Hubert Opportunity Project. Manager  
 88 Pedersen seconded the motion. By call of roll, the motion carried 4-0. [Manager Koch absent from vote.]

<i>Manager</i>	<i>Aye</i>	<i>Nay</i>	<i>Absent</i>	<i>Abstain</i>
Crafton	X			
Koch			X	
Pedersen	X			
Ward	X			
Ziegler	X			

92  
93 **e. Approve Manager Attendance at MAWD Annual Conference**

94 President Ward stated the MAWD annual conference takes place at Arrowhead Resort in Alexandria, MN  
95 from December 5-December 7. Administrator Bleser said three CAC members have expressed interest in  
96 attending the MAWD conference, and she said typically the District asks the CAC members to attend the  
97 new member training at the conference . She added that the District has funds available for these CAC  
98 members to attend the conference. Manager Pedersen moved to approve the District’s Board of Managers  
99 and the CAC members as approved by staff to attend the MAWD Annual Conference in December.  
100 Manager Crafton seconded the motion. The Board noted that at its November monthly meeting it will  
101 appoint its two delegates and one alternate to represent the District in voting at the MAWD annual  
102 meeting. Upon a vote, the motion carried 4-0. [Manager Koch absent from vote.]

103 Manager Pedersen added that the Minnesota Water Resources Conference takes place October 15 and 16.  
104 She said she and Manager Crafton would like to attend. Manager Crafton moved to approve that any  
105 Board manager that would like to attend the Water Resources Conference on October 15 and 16 may do  
106 so. Manager Pedersen seconded the motion. Upon a vote, the motion carried 4-0. [Manager Koch absent  
107 from vote.]

**8. Discussion Items**

108 **a. Manager Report**

109 President Ward talked about the day-and-a-half-long governance workshop the five Board managers  
110 attended.

111 Manager Pedersen reported the managers will be distributed the Administrator review report from Baker  
112 Tilly for review. She said the Board will provide a summary of the review process at the Board’s next  
113 monthly meeting.

114 **b. Administrator Report**

115 Administrator Bleser announced the AmeriCorps/GreenCorps member has started with the District doing  
116 education and outreach and working in the field learning about the Silver Lake watershed. She stated that  
117 staff is working to make sure all the responsibilities Ms. Jordan handled are being handled by other  
118 District staff.

119 **c. Governance Committee**

120 President Ward said the Committee, comprising Manager Ziegler, Administrator Bleser, and himself, will

121 be scheduling two or three meetings prior to the Board's November monthly meeting. He said the  
122 Committee will have a report for the Board at its November monthly meeting.

123 **d. Chanhassen Project Timing**

124 Administrator Bleser reported that the Public Works Director for the City of Chanhassen will be leaving  
125 next week, and the City is still in the hiring process for its water resources coordinator. She said the  
126 District is in a hold pattern on this project due to the change happening at the City staff level. The Board  
127 discussed possible delays.

**9. Upcoming Board Topics**

128 President Ward noted that upcoming Board topics are listed on the agenda and include the District's Rules  
129 Amendment public hearing, the ordering of the Silver Lake Water Quality Improvement Project,  
130 Awarding the demolition project for 730 and 750 Pioneer Trail (wetland project), and Awarding the Lake  
131 Susan Park Pond Repair and Maintenance Spent Lime.

**10. Upcoming Events**

- 132 • Walk with the Watershed, Friday, October 4, 6:00 p.m., District Office, 18681 Lake Drive East, Chanhassen
- 133 • Smart Salting for Managers MPCA Training, October 17 26, 9:30 a.m.-1:30 p.m., District Office, 18681 Lake  
134 Drive East, Chanhassen
- 135 • Healthy Shorelines Workshop, October 22, 6:30 p.m.-8:00 p.m., District Office, 18681 Lake Drive East,  
136 Chanhassen
- 137 • Citizen Advisory Committee Meeting, October 21, 6:00 p.m., District Office, 18681 Lake Drive East,  
138 Chanhassen
- 139 • Smart Salting: Winter Roads MPCA Training, October 23, 9:00 a.m.-2:30 p.m., District Office, 18681 Lake  
140 Drive East, Chanhassen
- 141 • Chanhassen Community Clean-Up for Water Quality, October 26, 9:30 a.m.-Noon. Meet in parking lot  
142 outside of Chanhassen Senior Center.

**11. Move to Closed Meeting**

143 Manager Ziegler moved to enter into closed session. Manager Pedersen seconded the motion. Upon a vote, the  
144 motion carried 4-0. [Manager Koch absent from vote.] The meeting moved to closed session at 7:56 p.m.

**12. Adjournment**

145  
146  
147 Respectfully submitted,  
148

149 \_\_\_\_\_  
150 David Ziegler, Secretary

**Minutes: Monday, October 21, 2019**  
**RPBCWD Citizen's Advisory Committee Monthly Meeting**  
**Location: RPBCWD offices: 18681 Lake Street, Chanhassen**

**CAC Members**

Jim Boettcher	A	Peter Iverson	P	Sharon McCotter	P	Marilynn Torkelson	E
Scott Bryan	A	Daryl Kirt	A	Jan Neville	P	Lori Tritz	P
Anne Deuring	P	Denny Kopfmann	P	Joan Palmquist	P		
Barry Hofer	P	Matt Lindon	P	Samir Penkar	E		

Terry Jeffery	RPBCWD staff	P
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**Summary of key actions/motions for the Board of Managers:**

1. CAC supports having a role in the Pioneer Trail wetland restoration.
2. The CAC feels strongly that the Stewardship Grant committee require all native plantings agreed to in contract be installed before any reimbursement, even if it means giving the applicant a time extension to honor contract.
3. As the Board considers nominations for the CAC, the CAC recommends special consideration be given to nominees with expertise in governance and fiscal oversight.

**I. Opening**

- A. Call CAC meeting to Order:** Chair Lori Tritz called the meeting to order at 6:01 p.m.
- B. Attendance:** As noted above.
- C. Matters of general public interest:** None
- D. Approval of Agenda:** Remove AIS from the learning presentation portion of the agenda. Joan moved and Denny seconded to approve the agenda as amended. Motion carried.
- E. Approval of September 16, 2019 CAC Meeting Minutes:** Joan moved and Jan seconded to approve the minutes. Motion carried.

**II. Staff Report** - Terry Jeffery updated the CAC on the UAA (Usability Attainability Assessment) on three projects (UAAs are all on the website):

- A. Rice Marsh Lake UAA:** The District has modeled the Rice Marsh Lake shed to gauge how much phosphorous is getting into Rice Marsh Lake by using typical loading rates based on land use to determine where to put BMPs (Best Management practices). They met with Chanhassen city staff and asked about use of a particular park land. Chanhassen has blessed the discernment of BMPs. We are considering proprietary devices such as Stormceptors and Jellyfish or maybe an engineered wetland based on a feasibility of dollar per pound of phosphorus.
- B. Duck Lake Road UAA:** Similar to Rice Marsh Lake, also a shallow lake environment, fully developed, but over half of the loading is internal (decaying plants in the lake). It was the subject of targeted BMPs: 6 raingardens to be installed next year, trees are planted, and only 1 rain barrel left to be picked up.
- C. Pioneer Trail Wetland Restoration** – Nearby Bluff creek is impaired for turbidity. Turbidity is the stressor. There are no lakes in Bluff creek, so no storage which is what prompted this project of buying three lots with water problems. The goal is to restore 9 to 10 acres of wetlands so flow to Bluff Creek is reduced. The next steps are to remove the structures and septic systems. We are trying to work with neighbors to obtain an easement to create a successful wetland restoration which will also be beneficial for the neighbors because of less bounce. Successful restorations have labor intensive plant management. The 6-year timeline is to design this winter, grading in the summer of 2020, planting in September and October and manage in 2021 - 2026. Terry suggested that because of the expertise on the CAC, we may be able to oversee the management of the plant establishment over the next 5 years, coordinating groups such as Water Stewards, Great River Greening, Scouts, schools, Seniors, etc. Terry would like to execute a charette (an intense period of design or planning activity) with the CAC to fully plumb the depths of the possibilities of the site at our meeting in November. We would also like a site visit. We will meet at 770 Pioneer Trail on Sunday, October 27 at 4:00 pm.

Spring Peeper Meadow at the U of M Landscape Arboretum is a good example of a wetland restoration. Originally the pond was intended to be more watery and was planted accordingly, but the plants failed so had to be replanted.

Terry will be holding a neighborhood meeting and would welcome CAC member attendance to give the effect that it is a peer project rather than a government taking. We still need to get all the normal permits.

We could create a wetland bank which would allow others to purchase credits and would be a revenue source. On the other hand it would be good to develop a wetland and still require mitigation elsewhere. The design will be by landscape architect Fred Rozumalski, Terry and Barr Engineering. Need plan to Corp by April to get permits.

Matt moved and Pete seconded that the CAC supports having a role in the Pioneer Trail wetland restoration. Motion carried.

CAC members should come to the next meeting with ideas for site plan, education, outreach and communication. Terry will think about examples to look at and maybe a google doc for holding ideas. We can include neighboring properties in our planning because they stand to benefit from less water bounce on their property.

- D. Sharon asked about whether Lifetime Fitness had been notified of their errant tennis balls. Terry will reach out to the Lifetime engineering department and Joan will reach out to management through her niece who works for Lifetime.
- E. Sharon asked about Lotus Lake and the rumor that 5 veligers (baby zebra mussels) had been found. Terry said it was odd because all veligers were in only one sample of many. Additional testing is being done.
- F. Cost share review process: Denny reported one existing contract, stipulating the inclusion of 40 native plants, requested reimbursement, but a site inspection revealed the plantings were never done. Joan strongly moved and Lori seconded that the committee give the applicant a time extension giving them the opportunity to honor contract. Motion carried.
- G. There is one more opening for the MAWD conference. Sharon and Lori are going. Jan is interested and will email Terry by end of day tomorrow.

#### IV. Commission Discussion

- A. Board Meeting of October 2, 2019: There was a lengthy discussion on CAC membership. If you know someone who is passionate about water, encourage them to apply, especially people with expertise in governance and fiscal oversight. Joan moved and Jan seconded that as the Board considers nominations for the CAC, that special consideration be given to nominees with expertise in governance and fiscal oversight. Motion carried. The CAC bylaws need to be changed to create 2-year terms. The bylaws currently have attendance requirements. We also should have written behavior expectations. Sharon and Jan will work on drafting this language. A condition of membership for next year will be that each CAC member attend one Board meeting a year to represent the CAC and present to the board. Anne suggested that the recorder job be shared. In this way everyone gets the experience and the burden is shared. Sign-ups will be prepared for Board meeting attendee and primary and secondary notetakers either on paper or Google doc or both.

Let Terry know by November 1 if you plan to stay or go off of the CAC. Also, email Terry about any information would be good as a new member orientation.

- B. January and February CAC meeting dates are January 27 and February 24 as the district is closed due to holidays..
- C. Discussion – Role of CAC
  - 1. Lori outlined our discussion:
    - Official responsibilities
      - Advise board

- Be eyes and ears for the district

#### Our desires

- Make valuable contributions
- Learn more about the Watershed issues
- Contribute to the wellness of the planet
- Be good advisors

#### Our realities

- We are a volunteer organization – real life takes precedence
- Monthly meeting format is OK for advising but limiting for projects.
- Subcommittees allow you to tailor your effort and involvement.
- Our input should be solicited at the right point in the process so our feedback has an impact

Also partnering with the community – just let Terry know if you want to attend any meetings of Environmental Commissions, Lake Associations, etc. Denny asked do we represent the CAC or just as a citizen. We should always let the community know that we are a member of the CAC and interested in listening.

Sharon wondered if we could ask Managers David and Dorothy to advise us how to be a useful CAC since they were originally CAC members. Terry can ask them for this information without violating the open meeting law.

2. Joan did a marvelous job compiling all our ideas collected since last meeting. Matt is interested in picking up the stormwater pond study and figure out next steps. Matt is also interested in picking up former CAC chair Paul Bulgar's idea about reducing water consumption. New staff person B will be presenting on this at our December meeting.

Subcommittees can choose items from the list and choose what to do and what not to do. We could think about reformation of subcommittees to have in place by January, so new members feel there is already something to fit into. Some projects lend themselves to whole CAC efforts, such as the St. Hubert's project and the Pioneer Trail wetland restoration, but subcommittees could always add their pieces to the whole-group projects.

There are opportunities for lake monitoring either with the Citizen Assistant Monitoring Program (CAMP) or going along with District staff during gap times when interns have gone back to college. Terry will talk to Josh and see what opportunities there are.

3. Status of wetland inventory. Chanhassen is finished. The status will be presented to the Board in December or January.

#### V. Next meeting:

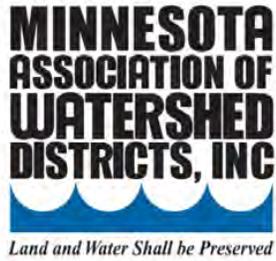
- A. Fantasy Wetland
- B. Logistics of the CAC
- C. Learning Presentations for next year

#### VI Upcoming Events

- A. Chanhassen Clean Up – October 26, 9:30 to noon. Meet at Chan City Hall
- B. Buckthorn Pull – October 26, 1-3. Marilyn is organizing.
- C. Board of Managers meeting November 6, 7:00 pm, 18681 Lake Drive East
- D. RPBCWD CAC meeting November 18 at 6:00 pm, 18681 Lake Drive East

- VII. Adjourn CAC meeting: Joan moved and Sharon seconded to adjourn the meeting. Motion carried. Meeting adjourned at 8:54.

Then we remembered to vote for our favorite photos.



Minnesota Association of Watershed Districts, Inc.  
[www.mnwatershed.org](http://www.mnwatershed.org)

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**Minnesota Association of Watershed Districts, Inc.  
2019 Annual Convention and Trade Show  
December 5-7, 2018  
Arrowwood Resort, Alexandria MN**

**MAWD Annual Meeting Materials**

Enclosed are the following items:

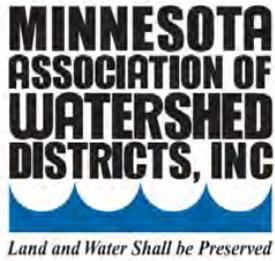
1. Notice of Annual Meeting
2. Delegate Appointment Form – please return to [mnwatershed@gmail.com](mailto:mnwatershed@gmail.com)
3. Proposed Fiscal Year 2020 Budget
4. 2019 Resolutions Packet
5. 2020-2022 Strategic Plan

This packet has been distributed to administrators via email. Administrators – please distribute copies to your managers. No paper copies of this packet will be sent via the U.S. Postal Service.

Note: a full meeting packet, including an agenda, previous meeting minutes, and reports, will be distributed to watershed administrators and made available on the MAWD website no later than one week prior to the Annual Meeting.

**We are looking forward to seeing you at this year's convention!**

**PLEASE BRING THE RESOLUTIONS PACKET WITH YOU TO THE CONVENTION.  
EXTRA COPIES WILL NOT BE AVAILABLE ON SITE. THANK YOU!!**



Minnesota Association of Watershed Districts, Inc.  
[www.mnwatershed.org](http://www.mnwatershed.org)

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## MN Association of Watershed Districts, Inc. 2019 Annual Meeting Notice

NOTICE IS HEREBY GIVEN that the 2019 Annual Meeting of the Minnesota Association of Watershed Districts, Inc. will be held at the Arrowwood Conference Center, Alexandria, MN, beginning at 8:00 a.m. on Friday, December 6, 2019 for the following purposes:

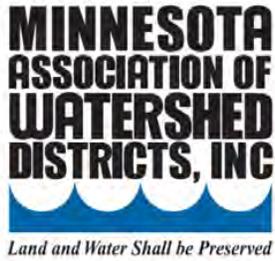
1. To receive and accept the reports of the President, Secretary, and Treasurer regarding the business of the association of the past year;
2. To receive the report of the auditor;
3. To consider and act upon the proposed Fiscal Year 2020 budget;
4. To consider and act upon proposed resolutions;
5. To consider and act upon the proposed 2020-2022 Strategic Plan;
6. To hold elections as required by the bylaws for the MAWD Board of Directors;
7. To consider and act upon any other business that may properly come before the membership.

Sincerely,

*Mary Texer 10/30/19*

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Mary Texer  
Secretary



## MN Association of Watershed Districts, Inc. 2019 Delegate Appointment Form

The \_\_\_\_\_ hereby certifies that it is  
*name of watershed organization*

a watershed district or watershed management organization duly established and in good standing pursuant to Minnesota Statutes 103B or 103D and is a member of the MN Association of Watershed Districts, Inc. (MAWD) for the year 2019.

The \_\_\_\_\_ hereby further certifies  
*name of watershed organization*

the following individuals have been appointed as delegates, or as an alternate delegate, all of whom are managers in good standing with the District.

**Delegate #1:** \_\_\_\_\_

**Delegate #2:** \_\_\_\_\_

**Alternate:** \_\_\_\_\_

Authorized by: \_\_\_\_\_  
Signature Date

\_\_\_\_\_  
Title

\*\* Please return this form to [mnwatershed@gmail.com](mailto:mnwatershed@gmail.com) at your earliest convenience. \*\*

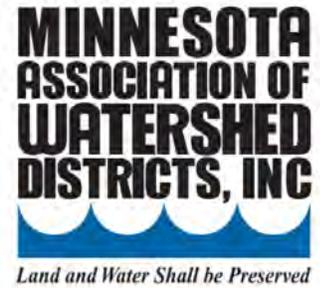
Minnesota Association of Watershed Districts  
Statement of Financial Position  
October 1, 2018 through September 30, 2019

October 30, 2019

	FY2020	FY2019	FY2019	FY2018	FY2017	FY2016
	Oct'19-Sep'20	Oct '18-Sep '19	Oct '18-Sep '19	Oct '17-Sep '18	Nov '16- Sep '17	Nov '15-Oct '16
<b>INCOME</b>	<b>FY 2020 PROPOSED</b>	<b>FY 2019 BUDGET</b>	<b>FY 2019 ACTUAL</b>	<b>FY 2018 ACTUAL</b>	<b>FY2017 ACTUAL (11 months)</b>	<b>FY 2016 ACTUAL</b>
Dues - Watershed District Members	221,500	216,600	214,668	218,421	117,590	121,412
Dues - Associate Members (WMOs)	2,500	2,500	2,000			
Annual Convention						
Annual Meeting Registrations	55,000	55,000	57,525	59,129	52,068	49,390
Annual Trade Show and sponsorships	40,000	25,000	43,700	21,655	22,250	11,495
Pre Conference Workshop: Drainage	6,500	6,500	13,430	6,800	5,595	9,010
Pre Conference Workshop: Administration	2,400	2,400	0	2,550	775	600
Pre Conference Workshop: Managers	2,400	2,400	0	2,295	2,950	4,250
Legislative Day at the Capitol	8,000	9,000	6,275	8,185	8,325	7,450
Summer Tour	18,000	17,500	18,100	18,891	21,469	14,390
MAWD Workshops	2,500	2,500	0	0	2,720	3,000
Interest	100	100	51	77	111	241
<b>TOTAL REVENUES</b>	<b>358,900</b>	<b>339,500</b>	<b>355,749</b>	<b>338,003</b>	<b>233,853</b>	<b>221,238</b>
<b>EXPENSES</b>						
<b>Administration &amp; Program Management</b>						
General Administration - Staff	67,500	70,000	62,099	70,747	62,311	81,345
Benefits /Taxes for Salaried Employees	30,000	30,000	16,136	15,069		
General Administration - Contract	20,000	12,000	0			
Communications, Conferences - Contract	32,000	36,000	39,753	48,835	33,750	10,000
<b>Legislative Affairs</b>						
Lobbying - Staff (includes Administrative Lobbying)	30,000	24,500	29,926			
Lobbying - Contracted Services	40,000	40,000	40,258	48,251		
Lobbyist Expenses	1,000	1,000	1,174	1,395	3,647	1,754
<b>Professional Services</b>						
Legal Fees	2,000	2,000	0	1,377	1,308	
Accounting and Review of Financial Procedures	8,000	6,000	6,850	4,650	4,100	3,550
Insurance	1,800	1,800	1,783	1,645	1,645	1,551
<b>Office Expenses</b>						
Rent	4,800	3,600	3,200	2,400		
Mileage and General Office Expenses	11,250	11,250	11,741	11,965	4,257	3,994
Dues, Other Organizations	500	500	440			
Memorials	250	250	0	50		
<b>Board and Committee Meeting</b>						
Per Diems and Expenses - Directors	20,000	20,000	14,100	16,448	22,092	26,400
Board and Committee Meeting Expenses	1,000	1,500	774	1,081	1,440	1,471
<b>Special Projects</b>						
WD Handbook, Surveys, rebranding, etc	6,000	1,600	0		1,361	7,250
<b>Education and Events</b>						
Annual Convention						
Annual Meeting	45,000	40,000	44,640	45,073	39,208	37,079
Annual Trade Show	5,000	8,500	3,270	8,631	6,322	9,569
Pre Conference Workshop: Drainage	4,000	2,500	3,967	2,871	1,817	2,993
Pre Conference Workshop: Administration	1,200	1,000	1,140	587	339	
Pre Conference Workshop: Managers	1,500	1,000	1,445	1,754	580	2,288
Legislative Breakfast	5,500	5,500	5,133	6,246	7,045	7,177
Summer Tour	12,500	12,500	7,795	9,483	16,000	14,402
Credit Card Processing Fees	3,700	3,500	4,042	3,020	3,323	2,791
Special Workshops	2,500	2,500	0		2,271	
Partner Event Participation	0	500				1,153
<b>TOTAL EXPENSES</b>	<b>357,000</b>	<b>339,500</b>	<b>299,665</b>	<b>301,578</b>	<b>212,816</b>	<b>214,767</b>
<b>REVENUES OVER (LESS THAN) EXPENSES</b>	<b>1,900</b>	<b>0</b>	<b>56,084</b>	<b>36,425</b>	<b>21,037</b>	<b>6,471</b>
<b>STATEMENT OF NET POSITION</b>						
Assets, Cash and Equivalents, actual			323,522	217,704	154,113	140,033
Deposits received, deferred			(54,109)		(4,799)	(11,385)
Liabilities, accounts payable, taxes payable			(29,973)	(34,352)	(2,387)	(2,760)
<b>ENDING NET ASSETS</b>			<b>239,440</b>	<b>183,352</b>	<b>146,927</b>	<b>125,888</b>

# Memorandum

DATE: October 30, 2019  
TO: MAWD Members  
FROM: Emily Javens, MAWD Executive Director  
RE: **2019 Resolutions**



The Resolutions Committee met on October 4, 2019 at Minnehaha Creek Watershed District to review the resolutions submitted by members. They debated each resolution and voted whether to recommend each resolution for adoption or not. All votes were unanimous. The MAWD Board of Directors accepted the committee's report on October 25, 2019.

Please review the enclosed materials, discuss at your November board meetings, and be prepared to debate and vote on these resolutions at the MAWD annual business meeting to be held December 6, 2019. Each watershed organization in good standing with MAWD is allowed 2 votes per WD/WMO. (See the enclosed delegate form for more information.) A summary of the committee recommendations is shown below.

Members of the committee included:

- Chairs: Sherry Davis White, MAWD Board of Directors, Resolutions Committee Chair  
Mary Texer, MAWD Board of Directors, Governance Committee Chair
- Region 1: Linda Vavra, Bois de Sioux WD Manager  
Jamie Beyer, Bois de Sioux WD Administrator
- Region 2: Ruth Schaefer, Middle Fork Crow River WD Manager  
Margaret Johnson, Middle Fork Crow River WD Administrator
- Region 3: Fred Corrigan, Prior Lake – Spring Lake WD Manager  
Becky Christopher, Minnehaha Creek WD Staff

#	Resolution Title	Committee Recommendation
1	Request the DNR enact legislation and policies to streamline the permitting process	<b>SUPPORT</b>
2	Default Classification for Artificial Watercourses That Serve as Public Drainage Ditches	<b>SUPPORT</b>
3	Heron Lake Watershed District General Operating Levy Adjustment	<b>SUPPORT</b>
4	Resolution to Clarify County Financing Obligation and Authorize Watershed District General Obligation Bonds for Public Drainage Projects	<b>SUPPORT</b>
5	Watershed District Membership on Wetland Technical Evaluation Panels	<b>SUPPORT</b>
6	MAWD Opposition to Any Legislation That Establishes Watershed District Spending Requirements by Political Regions or Boundaries	<b>SUPPORT</b>
7	Incorporating Nutrient Management into State Funded Practices	<b>OPPOSE AS WRITTEN</b>
8	Incorporating Soil Management Best Practices into Groundwater Appropriation	<b>OPPOSE AS WRITTEN</b>
9	Support for Managing Water Flows in the Minnesota River Basin Through Increased Water Storage and Other Strategies and Practices	<b>SUPPORT</b>
10	Chinese Mystery Snail Designation Change and Research Needs	<b>SUPPORT</b>
11	Resolution to Ban the Use of Pesticides and Herbicides that are Known Carcinogens on Residential and Commercial Lawns	<b>OPPOSE AS WRITTEN</b>
12	Resolution to Limit Wake Boat Activities that Directly Cause Shoreline Erosion and Spread Aquatic Invasive Species	<b>OPPOSE AS WRITTEN</b>
13	Additional State Funding to Watershed Management Organizations to Implement Flood Risk Mitigation Projects	<b>OPPOSE AS WRITTEN</b>

# BACKGROUND INFO on PROPOSED RESOLUTION #1

## Request the DNR enact legislation and policies to streamline the permitting process

**Proposing District:** Bois de Sioux WD  
**Contact Name:** Jamie Beyer  
**Phone Number:** 320-563-4185  
**Email Address:** [bdswd@runestone.net](mailto:bdswd@runestone.net)

### Background that led to submission of this resolution:

Climate change is manifesting as increased precipitation in our region. The increased precipitation is adding to our historical flood pressure. Lake water levels are rising, and there is a renewed importance to ensure unimpeded stream flows. We need proactive management by the DNR on two key issues:

- 1) **Lake Drawdowns:** We began dealing with flood issues in January 2019. We believe that the weight of ice on a chain of lakes forced water into drainage ditches - which caused flooding issues for downstream property owners. Our District spent a great deal of time and money opening-up frozen drainage ditches, because the flow of water was so significant and threatened public roads and private residences. We fear, with water levels at continued elevated levels, flooding will be repeated in 2020. Waterbodies in our area need to be more actively managed by the DNR, with regular, planned drawdowns, in order to prevent future flood damages to property and infrastructure.
- 2) **Public Water Stream Clean-outs:** We have areas in the watershed that rely on streams to convey excess surface water, and currently some streamflows are impeded due to sediment and plant debris. In these areas, clean-outs are needed to protect streamflow. We have had groups of private landowners experience great frustration and failure in navigating the permitting process (with its associated costs) over the past 2 years.

The DNR has provided us with district climate change information, and our on-going projects are being developed in response to changing environmental conditions; we would like to see the same climate change information act as a catalyst for the DNR's physical management of waterbodies.

### Ideas for how this issue could be solved:

Support legislation and policies that require DNR lake level management action and applicant permitting success.

### Anticipated support or opposition from other governmental units?

Unknown

### This issue is of importance (Check one):

- To the entire State:  - In areas of need of active water management  
Only our Region:   
Only our District:

# PROPOSED 2019 MAWD RESOLUTION #1

## Request the DNR enact legislation and policies to streamline the permitting process

Submitted by: Bois de Sioux Watershed District

**WHEREAS**, the DNR manages waterbody water levels and permits for public water drainage outlet clean-outs; and

**WHEREAS**, Minnesota Statute 103G.245 defines actions under which a permit is required for work proposed in Public Waters; and,

**WHEREAS**, in the Red River Valley, we are noting increased precipitation trends and rising water levels in many waterbodies, which increases the threat of flood damage to neighboring properties and infrastructure; and,

**WHEREAS**, the DNR acknowledges that they have a responsibility to adapt to climate change; and,

**WHEREAS**, private and public landowners have run into difficulty completing the DNR permit process and have reported that the current DNR permitting process is: 1. Potentially very expensive and difficult to predict, and that also means lengthy. The application fee is \$300 - \$3,000 and payment is no guarantee of permit approval. It is unclear when an EAW will be required, and how extensive the EAW will need to be – and costs could be from \$10,000 - \$30,000 if the EAW requirement is not clearly defined. 2. Not always based on scientific data. In some cases, soil borings are not being taken by third-party organizations and industry standards.

**THEREFORE, BE IT RESOLVED** that MAWD supports legislation, rules, and/or agency policies to streamline the DNR permitting process by increasing responsiveness, decreasing the amount of time it takes to approve permits, providing a detailed fee schedule prior to application, and conducting water level management practices that result in the DNR reacting more quickly to serious, changing climate conditions.

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### Notes:

After discussion, the committee recommended the membership vote in favor of this resolution.

## **BACKGROUND INFO on PROPOSED RESOLUTION #2**

### **Default Classification for Artificial Watercourses That Serve as Public Drainage Ditches**

<b>Proposing District:</b>	Bois de Sioux WD	Bois de Sioux WD
<b>Contact Name:</b>	Linda Vavra	Jamie Beyer
<b>Phone Number:</b>	320-760-1774	320-563-8510
<b>Email Address:</b>	<a href="mailto:lvavra@fedtel.net">lvavra@fedtel.net</a>	<a href="mailto:bds wd@runestone.net">bds wd@runestone.net</a>

#### **Background that led to submission of this resolution:**

In December 2018, our watershed was selected to begin MPCA's Use Attainment Assessment (UAA) to evaluate and categorize watercourses for Tiered Aquatic Life Use (TALU) Standards. We have been told that these standards have been implemented by the State of Minnesota to fulfill EPA WOTUS requirements.

To date, our District has spent \$10,000 attending and responding to these meetings. And we have not completed the process.

Our frustration and severe concern is with the default inclusion of man-made, non-tidal drainage ditches excavated on dry land, that were given the default categorization of Class 2 Aquatic Life and Recreational Use under the Dayton administration.

Our watershed is at the headwaters of the Red River Valley, and is extremely prone to flooding - in winter, spring, and summer. Drainage ditches are vital public infrastructure, protecting private property and public property (which includes our roads, highways and bridges) from flood damage. Our watershed is a drainage ditch authority for 65 systems in Grant, Traverse, and Wilkin County. The majority of our drainage systems are in need of significant repairs and/or improvements. These projects are expensive and complicated. Repairs/ improvements are funded by private landowners, whose properties were assessed when the ditches were constructed, and have since been assessed for maintenance on an annual basis.

Recently, we have seen great local support and participation in repairing/improving District drainage systems. Over the past four years, landowners have initiated three major repairs/improvements - at a potential cost to themselves of over \$3,060,000.

Often times, ditches that are out-of-repair have sedimented and eroded sides; instead of moving water, the out-of-repair ditches hold water, which encourages the growth of cattails, which further catches sediment and further holds back water. The more water a ditch is holding, the less capacity it has to accept and move new water during high precipitation events. This is where the conflict with UAA and TALU enters: ditches in good repair will be ephemeral in nature, not supporting fish and macroinvertebrates (which will result in an "impaired water"), and ditches in need of repair may meet fish and macroinvertebrate standards (which may prevent us from repairing them and returning them to their designed ephemeral state).

#### **Ideas for how this issue could be solved:**

The State of Minnesota could abandon the overregulation instituted by the Dayton administration and recognize the EPA's own exclusions: Rule Text § 230.3(s)(2)(iii): "The following are not 'waters of the United States... the following ditches: (A) Ditches with ephemeral flow that are not a relocated tributary or excavated in a tributary. (B) Ditches with intermittent flow that are not a relocated tributary, excavated in a tributary, or drain wetlands. (C) Ditches that do not flow, either directly or through another water, into [a traditional navigable water, interstate water, or the territorial seas.

<https://www.jswcd.org/files/c141e89d1/Clean+Water+Rule+Factsheet.pdf>

For manmade drainage ditches excavated on dry land, the State of Minnesota could replace the default Class 2 Aquatic Life and Recreational Use with a default Class 7 Limited Resource Value Water. Per Administrative Rule 7050.0227, Class 7 does have water quality standards for E.coli, dissolved oxygen, pH and toxic pollutants.

We are open to other suggestions!

**Anticipated support or opposition from other governmental units?**

We have met with MPCA many times and expressed our concern over the past 10 months, but there has been no acknowledgment or suggestion on how we can protect, maintain, and ensure fulfillment of our duty to repair our drainage system infrastructure. In fact, at the last meeting we were at the question was raised by MPCA staff - why would we want to repair a ditch, if it is supporting biology?

**This issue is of importance (Check one):**

- To the entire State:  - areas of the state that rely on manmade drainage systems to protect
- Only our Region:  infrastructure and property from excess precipitation.
- Only our District:

## PROPOSED 2019 MAWD RESOLUTION #2

### Default Classification for Artificial Watercourses That Serve as Public Drainage Ditches

Submitted by: Bois de Sioux Watershed District

**WHEREAS**, Minnesota Statute 103G.005 defines three watercourses: natural watercourses, altered natural watercourses, and artificial watercourses; and

**WHEREAS**, some natural watercourses are used as public drainage systems; and

**WHEREAS**, some altered natural watercourses are used as public drainage systems; and

**WHEREAS**, some public roadside drainage systems are 100% manmade, designed and built for one, limited purpose: to convey excess precipitation, alleviating flood damages to public and private property and it is this category that are considered artificial watercourses because they lack natural stream features and do not provide stream habitat by their design; and

**WHEREAS**, the U.S. Supreme Court recognized the unique nature of drainage ditches on June 19, 2006 in its *Rapanos* decision, stating that for Clean Water Act implementation, Waters of the United States does not automatically apply to ditch systems in which water flows intermittently or ephemerally. The EPA itself advises:

“In addition, ditches (including roadside ditches) excavated wholly in and draining only uplands and that do not carry a relatively permanent flow of water are generally not waters of the United States because they are not tributaries or they do not have a significant nexus to downstream traditional navigable waters.”

<https://www.epa.gov/sites/production/files/2016-04/documents/rapanosguidance6507.pdf>

**WHEREAS**, Minnesota Pollution Control Agency is implementing its Clean Water Act Tiered Aquatic Life Uses (TALU) for all watercourses in Minnesota based on the assumption that all waters by default should be categorized by Minnesota Pollution Control Agency as Class 2 Waters (Aquatic Life and Recreation); the Class 2 label declares universally that all waters by default “support or may support aquatic biota, bathing, boating, or other recreational purposes and for which quality control is or may be necessary to protect aquatic or terrestrial life or their habitats or the public health, safety, or welfare” per Minnesota Administrative Rules 7050.0140 Subp. 3; and

**WHEREAS**, the default Class 2 Aquatic Life standard is applied by Minnesota Pollution Control Agency to public roadside drainage systems that are artificial watercourses, 100% manmade, even though these roadside drainage systems were not designed to provide habitat, and – in fact – when are in optimal operation, only hold water ephemerally when they provide flood control, storing excess precipitation until it can be metered downstream; and

**WHEREAS**, when applied to a public roadside drainage systems that are artificial watercourses, 100% manmade, the Class 2 Aquatic Life standard mandates 10-year cycle biological monitoring and testing under TALU that is lengthy and time-consuming for state and particularly local government agencies - and ultimately very expensive for state and local taxpayers; and

**WHEREAS**, Minnesota Pollution Control Agency does acknowledge in its own Rules that some watercourses should be exempt from needless TALU regulation. According to Minnesota Administrative Rules, Class 7 waters (limited resource value waters) are those that demonstrate that:

- A. *the existing and potential faunal and floral communities are severely limited by natural conditions as exhibited by poor water quality characteristics, lack of habitat, or lack of water;*
- B. *the quality of the resource has been significantly altered by human activity and the effect is essentially irreversible; or*

*C. there are limited recreational opportunities, such as fishing, swimming, wading, or boating, in and on the water resource.*

**THEREFORE, BE IT RESOLVED** that MAWD supports removal of the default Class 2 categorization for public drainage systems that are artificial watercourses and supports a default Class 7 categorization for public drainage systems that are artificial watercourses.

**Notes:**

After discussion, the committee recommended the membership vote in favor of this resolution.

# **BACKGROUND INFO on PROPOSED RESOLUTION #3**

## **Heron Lake Watershed District General Operating Levy Adjustment**

**Proposing District:** Heron Lake Watershed District  
**Contact Name:** Jan Voit, District Administrator  
**Phone Number:** 507-793-2462  
**Email Address:** [jvoit@hlwdonline.org](mailto:jvoit@hlwdonline.org)

**Background that led to submission of this resolution:**

1. The general operating levy limit, as set by Minnesota Statutes 103D.905, Subd. 3, is 0.048 percent of the taxable market value or \$250,000, whichever is less. This legislation has not changed since 2001 – 18 years.
2. The general operating levy is used to pay for manager per diems, staff, building rent, supplies, equipment, consultants, monitoring, project implementation, and matching funds for grants.
3. Workload and responsibilities for watershed districts have grown substantially since 2001. In addition to general operations, work related to developing Watershed Restoration and Protection Strategies, increasing community involvement, acquiring tools for targeting and prioritizing best management practices installation, and implementing One Watershed One Plan are undertaken to fulfill a watershed district’s mission and goals.
4. Competition for grant funds has increased significantly. Matching funds for grants have always been committed through the general operating levy. Because of the current levy limit, providing matching funds has become more difficult.
5. The HLWD has long-term water sampling sites at three locations within the watershed. Year to year data varies based on weather patterns and land use change. The data from 2003 to 2017 shows a decline in Total Suspended Solids, Orthophosphorus, and Total Phosphorus.
6. Current levy limits constrain capacity to issue general obligation bonds to finance projects in public drainage systems.
7. The HLWD took several years to reach the general operating levy of \$250,000 cap has remained unchanged for the last 18 years, which shows the managers’ fiscal responsibility.

**Ideas for how this issue could be solved:**

Increasing the general operating levy is the only long-term solution to provide sustainable funding for personnel and projects within the watershed. Having the revenue to provide grant match would also be beneficial.

**Anticipated support or opposition from other governmental units?**

The Minnesota Association of Watershed Districts and Board of Water and Soil Resources support adjusting the general operating levy to allow watershed districts to fulfill their responsibilities as required by statute.

**This issue is of importance (Check one):**

- To the entire State: \_\_\_\_\_
- Only our Region: \_\_\_\_\_
- Only our District:   X

**PROPOSED 2019 MAWD RESOLUTION #3**  
**Heron Lake Watershed District General Operating Levy Adjustment**  
**Submitted by: Heron Lake Watershed District**

**WHEREAS**, the Heron Lake Watershed District (HLWD) generates revenue through a general operating levy as authorized for watershed districts under MN Statute 103D.901 subdivision 1. This statute caps each watershed district's levy at 0.048% of the estimated market value (EMV) or \$250,000, whichever is less, regardless of the size or tax capacity of each district;

**WHEREAS**, if the levy was only limited to the 0.048% EMV cap, HLWD would be allowed to levy \$951,007 in 2020, but is instead limited to \$250,000;

**WHEREAS**, the \$250,000 limit authorized by the legislature in 2001 is equal to \$361,000 in today's dollars and that amount does not take into account the additional workload created for watershed districts by new state water management programs over the past 19 years;

**WHEREAS**, the HLWD uses the general levy to not only fund operational expenses such as rent, equipment, and supplies, it also uses the money to pay for staff time and laboratory analysis to monitor our lakes and streams for water quality issues, conduct community education and outreach activities, prioritize the best location for best management practices, and will be needed to implement activities planned for and documented in the new statewide One Watershed One Plan initiative;

**WHEREAS**, the HLWD must also use this levy when it wants to construct pollution or flood reduction projects or to provide match dollars for state or federal implementation grants to build these same projects;

**WHEREAS**, the HLWD has successfully brought in \$3,205,672 in grants while only taxing \$4,364,322 locally from 1996 to 2018. This represents \$0.77 of additional funds coming into the district for every \$1 taxed. This is also equivalent to \$14.54 taxed over the course of 23 years and \$10.69 brought in for each of the approximately 300,000 acres in the HLWD;

**WHEREAS**, an unchanged \$250,000 annual budget has ultimately led to staff reductions and an increasingly diminished capacity to be able to provide match dollars required when applying for grants to build the projects and activities desired and vetted by its local citizens;

**WHEREAS**, the HLWD has also found that current levy limits constrain its capacity to issue general obligation bonds to finance projects in public drainage systems;

**WHEREAS**, the Minnesota Association of Watershed Districts (MAWD) assists districts with legislation that is needed by its members to provide adequate service to its residents;

**THEREFORE, BE IT RESOLVED** that MAWD supports an increase in Heron Lake Watershed District's general operating levy cap from \$250,000 to an amount not to exceed \$500,000.

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**Notes:**

After discussion, the committee recommended the membership vote in favor of this resolution.

# **BACKGROUND INFO on PROPOSED RESOLUTION #4**

## **Resolution to Clarify County Financing Obligation and Authorize Watershed District General Obligation Bonds for Public Drainage Projects**

**Proposing District:** Heron Lake Watershed District  
**Contact Name:** Jan Voit, District Administrator  
**Phone Number:** 507-793-2462  
**Email Address:** [jvoit@hlwdonline.org](mailto:jvoit@hlwdonline.org)

**Background that led to submission of this resolution:**

The Heron Lake Watershed District (HLWD) has served as a drainage authority for numerous public drainage systems for decades and until recently relied on county bonding to finance its drainage projects. Recently, one county has conditioned its willingness to bond for a drainage project on the HLWD surrendering its role as drainage authority. Integrated management of the watershed and public drainage systems within it are central to our mission and there is no statutory authority to require a watershed district to abandon its role as a drainage authority. Watershed districts outside the metro area have levy limits that constrain their ability to issue general obligation bonds pledging their full faith and credit.

**Ideas for how this issue could be solved:**

We have identified two possible solutions:

1. Clarify that an affected county must finance a watershed district project establishment and construction by issuance of bonds payable from assessments, backed by the full faith and credit of the watershed district; and further provide for adequate tax levy authority to assure the watershed district's credit capacity.
2. Authorize watershed districts to finance drainage project establishment and construction by issuance of bonds payable from assessments, backed by the full faith and credit of the watershed district; and further provide for adequate tax levy authority to assure the watershed district's credit capacity.

**Anticipated support or opposition from other governmental units?**

Most counties have cooperative relationships with watershed districts functioning as drainage authorities and work together in financing drainage projects. Some counties may feel that they wish to take over drainage management and therefore may not support this clarification in the drainage code and watershed law.

**This issue is of importance (Check one):**

- To the entire State:  \_\_\_\_\_  
Only our Region: \_\_\_\_\_  
Only our District: \_\_\_\_\_

**PROPOSED 2019 MAWD RESOLUTION #4**  
**Resolution to Clarify County Financing Obligation and Authorize Watershed**  
**District General Obligation Bonds for Public Drainage Projects**  
**Submitted by: Heron Lake Watershed District**

**WHEREAS**, watershed districts serve as public drainage authorities under the Minnesota Drainage Code (chapter 103E) and are responsible to construct projects to establish, improve, and extend public drainage systems and provide outlets for such systems;

**WHEREAS**, projects are funded by multi-year assessment of benefited lands and financing typically is required to pay costs of project establishment and construction in advance of assessments;

**WHEREAS**, watershed districts may issue bonds, but those not within the seven-county metropolitan area have a limited ad valorem taxing authority and therefore lack adequate capacity to pledge full faith and credit for such bonds, beyond a limited principal amount that is insufficient for a project of substantial scope;

**WHEREAS**, limited ad valorem taxing authority means that project financing bonds issued by watershed districts will have limited marketability and impose higher interest costs on projects, as will long term commercial loans in place of bonds;

**WHEREAS**, the Drainage Code (Minnesota Statutes §103E.635) states that a county may finance a watershed district drainage project by issuing bonds payable from assessments and backed by the full faith and credit of the county;

**WHEREAS**, some counties have taken the position that under this Drainage Code language, financing watershed district drainage projects by bond issuance or by another method is a matter for county discretion, and in certain cases have elected not to provide such financing;

**WHEREAS**, without the certainty of project financing at an acceptable rate of interest, a watershed district cannot responsibly begin to accrue project establishment costs, cannot contract for project construction, and therefore cannot fulfill its statutory responsibilities as drainage authority;

**THEREFORE, BE IT RESOLVED** that MAWD supports legislation to achieve one or both of the following:

- (a) To clarify that an affected county must finance a watershed district drainage project on project establishment and request of the watershed district; and
- (b) To authorize watershed districts to finance drainage project establishment and construction by issuance of bonds payable from assessments and backed by the full faith and credit of the watershed district; and further provide for adequate tax levy authority to assure the watershed district's credit capacity.

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**Notes:**  
After discussion, the committee recommended the membership vote in favor of this resolution.

# **BACKGROUND INFO on PROPOSED RESOLUTION #5**

## **Watershed District Membership on Wetland Technical Evaluation Panels**

**Proposing District:** Prior Lake-Spring Lake Watershed District  
**Contact Name:** Diane Lynch  
**Phone Number:** 952-440-0067  
**Email Address:** dlynch@plslwd.org

**Background that led to submission of this resolution:**

Minnesota Statute 103G.2242 Wetland Subdivision 2. Evaluation states that:

- a. Questions concerning the public value, location, size or type of a wetland shall be submitted to and determined by a Technical Evaluation Panel (TEP) after on-site inspection
- b. The TEP is composed of technical professional employees of the Minnesota Board of Soil and Water Resources, local soil and water conservation district, and Minnesota Department of Natural Resources for projects affecting public waters or wetland adjacent to public waters

- 1. Technical professional employees of watershed districts may be invited to attend and comment on the questions, but their comments are not considered with the same value as official TEP representatives.
- 2. Watershed districts have rules that affect draining, filling, excavating or otherwise altering wetlands.
- 3. Wetlands play a vital role in the health of watersheds.
- 4. Technical professional employees of watershed districts offer an important perspective regarding protecting wetlands within their watersheds.

**Ideas for how this issue could be solved:**

Initiate legislation to amend the statute to require technical representatives of watershed districts to be on the TEP.

**Anticipated support or opposition from other governmental units?**

We would expect watershed districts to support it.

**This issue is of importance (Check one):**

- To the entire State:  \_\_\_\_\_
- Only our Region: \_\_\_\_\_
- Only our District: \_\_\_\_\_

**PROPOSED 2019 MAWD RESOLUTION #5**  
**Watershed District Membership on Wetland Technical Evaluation Panels**  
**Submitted by: Prior Lake-Spring Lake Watershed District**

**WHEREAS**, the Prior Lake-Spring Lake Watershed District (PLSLWD) is a watershed management organization and political subdivision of the State of Minnesota established under and operating with powers and purposes set forth at Minnesota Statutes Chapters 103B and 103D; and

**WHEREAS**, the District has rules that affect drilling, filling, excavating or otherwise altering wetlands; and

**WHEREAS**, by state statute, questions concerning the public value, location, size or type of wetland are required to be submitted to and determined by a Technical Evaluation Panel (TEP); and

**WHEREAS**, technical professional employees of watershed districts are not official members of a TEP; and

**WHEREAS**, wetlands play a vital role in the health of watersheds

**THEREFORE, BE IT RESOLVED** that MAWD supports 2020 state legislation to require technical representatives of watershed districts to be official members of wetland technical evaluation panels (TEPs).

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**Notes:**

After discussion, the committee recommended the membership vote in favor of this resolution.

# **BACKGROUND INFO on PROPOSED RESOLUTION #6**

## **MAWD Opposition to Any Legislation That Establishes Watershed District Spending Requirements by Political Regions or Boundaries**

**Proposing District:** Rice Creek Watershed District  
**Contact Name:** Nick Tomczik  
**Phone Number:** 763-398-3079  
**Email Address:** [ntomczik@ricecreek.org](mailto:ntomczik@ricecreek.org)

### **Background that led to submission of this resolution:**

During the 2019 legislative session, HF 2314 and SF 2372 were introduced that set spending requirements on the Rice Creek Watershed District based on a county's boundaries. No action was taken on either bill since the initial introductions and addition of authors. Since it was the first year of the biennium, it is possible the bills could be acted on during the 2020 legislative session. It is also possible that other counties or communities could attempt to get legislation that restricts spending to political boundaries in another watershed.

Any legislation that restricts watershed district spending by political regions or boundaries interferes with a district's fundamental responsibility to implement critical flood control and water quality projects.

Water does not follow political boundaries. Watershed districts were established to reduce the political nature of water and ensure fair and equitable management. Projects are consistently developed and selected based on priorities including flooding, AIS management, stormwater management, mandated water goals, and critical regional issues.

### **Efforts to address flooding, drainage, and water quality on a county or political basis have failed in the past.**

- The Watershed Act demonstrates the legislature's determination that water resources are best managed on a watershed basis and not at the city or county levels.
- The State's efforts and commitment to One Watershed One Plan policies demonstrate the continued need for watershed-based solutions.
- Restricting watershed spending by county or political boundary is in direct conflict with the purpose and basis of the Metropolitan Surface Water Management Act and other watershed management laws.

### **Any legislation that establishes watershed district spending requirements by county or political boundaries would disrupt watershed-based planning and implementation in watershed districts.**

- Using district-wide taxes to fund programs and projects allows districts to fund the highest priority watershed-based regional solutions based on science, hydrology, and critical input from partners.
- Restricting watershed spending by county or political boundary jeopardizes the ability to do regional projects.

### **Implementing projects based on political boundaries instead of watersheds decreases the ability to implement multi-county solutions. Water management issues are not county-specific.**

- Restricting regional or multi-county solutions decreases efficiency and increases implementation costs and delays
- Drainage system repairs would become more difficult because District-wide tax funds for trunk conveyance maintenance and minor drainage system maintenance activities would be restricted or unavailable
- District-wide funding policies would need replacement
- One county's water management issues are often best addressed in another county

Restricting watershed spending by county or political boundaries will likely cause a domino-effect with other communities and counties demanding that funds collected within their political boundaries be spent within those boundaries or at the very least demanding their funds not be spent in the restricting counties or communities. Such legislation could increase the costs and timelines for implementation of critical projects. Opposition to such legislation would align with the purpose

and basis for the State's watershed management laws and promote the highest priority regional solutions based on science, hydrology, and critical input from partners. This is the very foundation of watershed-based management.

**Ideas for how this issue could be solved:**

Effective communication and outreach to stakeholders and legislative delegations is critical to their understanding that water resources are best managed on a watershed basis and not at the city or county levels. Emphasis should be given to:

1. The success of implementing highest priority regional watershed-based solutions based on science, hydrology, and critical input from partners;
2. Watershed management plans as a tool for identifying those highest priority solutions;
3. The increased cost to all communities without watershed-based funding and implementation; and
4. The potential increase in damage due to flooding or water quality impairments caused by delays in implementing projects without watershed-based funding.

Any legislation restricting spending by watershed districts based political boundaries (instead of resource priorities) would contradict the State's One Watershed One Plan policies, the Metropolitan Surface Water Management Act, and the State's other watershed management laws.

**Anticipated support or opposition from other governmental units?**

Watershed districts, watershed management organizations, and state agencies and organizations with water management interests should support efforts to maintain non-political, watershed-based funding and management of water resources.

Opposition may come from a few individual counties with an interest in restricting watershed-based prioritization and spending efforts and individuals who do not want watershed-based management of the resource.

**This issue is of importance (Check one):**

To the entire State:   X  

Only our Region:           

Only our District:

**PROPOSED 2019 MAWD RESOLUTION #6**  
**MAWD Opposition to Any Legislation that Establishes Watershed District**  
**Spending Requirements by Political Regions or Boundaries**  
**Submitted by: Rice Creek Watershed District**

**WHEREAS**, many watershed districts use district-wide taxes to fund programs and projects; and

**WHEREAS**, many watershed districts fund the highest priority regional solutions based on science, hydrology, and critical input from partners; and

**WHEREAS**, the Watershed Act demonstrates the legislature’s determination that water resources are best managed on a watershed basis and not at the city or county levels; and

**WHEREAS**, the Watershed Act, the Watershed Act Metropolitan Surface Water Management Act, and other watershed management laws established watershed districts to reduce the political nature of water and ensure fair and equitable management of the resource; and

**WHEREAS**, the State’s One Watershed One Plan policies demonstrate a continued need for watershed-based solutions; and

**WHEREAS**, HF2314 and SF 2372 were introduced during the 2019 legislative session to set spending requirements on the Rice Creek Watershed District based on a county boundary; and

**WHEREAS**, any legislation that restricts watershed district spending by county or political boundaries interferes with a district’s fundamental responsibility to implement critical flood control and water quality projects; and

**WHEREAS**, any legislation that restricts watershed district spending by county or political boundaries jeopardizes the ability to do regional projects; and

**WHEREAS**, no action was taken on HF 2314 and SF 2372, however this legislation could be considered during 2020 or legislation could be introduced that would similar affects in other regions across the state.

**THEREFORE, BE IT RESOLVED** that MAWD opposes legislation that establishes spending requirements or restricts watershed district spending by political regions or boundaries.

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**Notes:**

After discussion, the committee recommended the membership vote in favor of this resolution.

# **BACKGROUND INFO on PROPOSED RESOLUTION #7**

## **Incorporating Nutrient Management into State Funded Practices**

**Proposing District:** Comfort Lake-Forest Lake Watershed District  
**Contact Name:** Mike Kinney, District Administrator  
**Phone Number:** (651) 395-5855  
**Email Address:** Michael.Kinney@clflwd.org

**Background that led to submission of this resolution:**

The State of MN DNR offers a variety of financial incentives to agricultural producers for conservation and water quality purposes. The MN Pollution Control Agency (MPCA) 2014 Minnesota Nutrient Reduction Strategy report indicates a 2025 goal of reducing nitrogen loading by 20% and a 2040 goal of reducing nitrogen by 45% in order to meet water quality standards for the Mississippi River.

**Ideas for how this issue could be solved:**

The CLFLWD proposes this resolution in order to utilize agricultural incentive programs to make measurable progress toward the MPCA’s nitrogen reduction goals. Further, implementation of certain practices, namely maximum return to nitrogen (MRTN) and nutrient management plans, have economic benefits for the agricultural producers themselves. Therefore, benefits resulting from the proposed resolution are twofold: measurable reductions in nitrogen loading and cost savings for agricultural producers.

**Anticipated support or opposition from other governmental units?**

CLFLWD anticipates support from MN Department of Agriculture and the Board of Water and Soil Resources. Given the economic benefit of the proposed resolution, strong opposition is not anticipated from producers.

**This issue is of importance (Check one):**

- To the entire State:  \_\_\_\_\_
- Only our Region:  \_\_\_\_\_
- Only our District:  \_\_\_\_\_

**PROPOSED 2019 MAWD RESOLUTION #7**  
**Incorporating Nutrient Management into State Funded Practices**  
**Submitted by: Comfort Lake-Forest Lake Watershed District**

**WHEREAS**, the State of MN DNR offers a variety of financial incentives to agricultural producers for conservation and water quality purposes;

**WHEREAS**, the MN Pollution Control Agency 2014 Minnesota Nutrient Reduction Strategy report indicates a 2025 goal of reducing nitrogen loading by 20% and a 2040 goal of reducing nitrogen by 45% in order to meet water quality standards for the Mississippi River;

**WHEREAS**, there are demonstrated and effective tools and best management practices to help maximize profits for growing row crops while limiting environmental impact;

**WHEREAS**, the concept of “maximum return to nitrogen” (MRTN) refers to the rate of nitrogen (N) application that maximizes net economic return;

**WHEREAS**, soil fertility specialists from six state universities (Illinois, Iowa, Michigan, Minnesota, Ohio, and Wisconsin) have used data from ongoing research trials to create a method to calculate MRTN at selected prices of N and corn;

**WHEREAS**, MRTN and nutrient management plans reduce nitrogen impacts to surface water and groundwater resources and avoid overapplication of nitrogen, while also serving the economic interests of agricultural producers;

**WHEREAS**, implementation of the MRTN and nutrient management plans by agricultural producers is considered a best business practice and thus should not require taxpayer funds to implement;

**WHEREAS**, the Minnesota state agencies can calculate excess nitrogen losses by comparing crop needs to the amount of nitrogen imported into the state, so as to establish a goal for reduction;

**THEREFORE, BE IT RESOLVED** that MAWD supports the goal of implementing the concept of “maximum return to nitrogen (MRTN)” and nutrient management plans generally into management of all fields that receive state financial support.

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**Notes:**

After discussion, the committee recommended the membership NOT vote in favor of this resolution as written for the following reasons:

- More information is needed.
- This isn't applicable to northwest Minnesota.
- MRTN values are determined for corn and soybean fields, not ALL fields.
- Blanket mandates are usually problematic since conditions vary widely across the state.

# **BACKGROUND INFO on PROPOSED RESOLUTION #8**

## **Incorporating Soil Management Best Practices into Groundwater Appropriation**

**Proposing District:** Comfort Lake-Forest Lake Watershed District  
**Contact Name:** Mike Kinney, District Administrator  
**Phone Number:** (651) 395-5855  
**Email Address:** Michael.Kinney@dfllwd.org

**Background that led to submission of this resolution:**

The MN DNR issues permits for groundwater appropriation pursuant to Minnesota Statute 103G.271 and has the authority to place reasonable conditions on appropriations authorized by permit. Agricultural producers obtain high-capacity appropriation permits to irrigate crops as a consequence of low soil water levels. Groundwater conservation is a high priority issue for the state of MN.

**Ideas for how this issue could be solved:**

There are demonstrated and effective best management practices to retain water in the soil profile and otherwise reduce needed irrigation volumes. Management options such as cover crops, no-till, strip-till, and other methods maintain or improve water holding capacity of the soil during the growing season. Prairie and wetland restoration efforts enhance groundwater recharge and are important components of the rural landscape. Other approaches such as improving irrigation efficiency are not specifically addressed by the resolution but may be elements of the discussion. Reducing groundwater appropriation and avoiding unnecessary irrigation serve the economic interests of agricultural producers.

**Anticipated support or opposition from other governmental units:**

The MN Department of Natural Resources likely would support the goals but may have concerns about implementation within its permitting program. Given the economic benefit of the best practices promoted by the proposed resolution, strong opposition is not anticipated from producers.

**This issue is of importance (Check one):**

- To the entire State:  \_\_\_\_\_
- Only our Region: \_\_\_\_\_
- Only our District: \_\_\_\_\_

# PROPOSED 2019 MAWD RESOLUTION #8

## Incorporating Soil Management Best Practices into Groundwater Appropriation

Submitted by: Comfort Lake-Forest Lake Watershed District

**WHEREAS**, the MN DNR issues permits for groundwater appropriation pursuant to Minnesota Statute 103G.271, and has the authority to place reasonable conditions on appropriations authorized by permit;

**WHEREAS**, agricultural producers obtain high-capacity appropriation permits to irrigate crops as a consequence of low soil water levels;

**WHEREAS**, there are demonstrated and effective best management practices to retain water in the soil profile and otherwise reduce needed irrigation volumes;

**WHEREAS**, management options such as cover crops, no-till, strip-till, and other methods maintain or improve water holding capacity of the soil during the growing season;

**WHEREAS**, prairie and wetland restoration efforts enhance groundwater recharge and are important components of the rural landscape;

**WHEREAS**, reducing groundwater appropriation and avoiding unnecessary irrigation serve the economic interests of agricultural producers;

**THEREFORE, BE IT RESOLVED** that MAWD supports incorporation of soil management best management practices into groundwater appropriations permitting.

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### Notes:

After discussion, the committee recommended the membership NOT vote in favor of this resolution as written for the following reasons:

- This may not apply in all cases and represent unreasonable expenses in all cases.
- There is currently a requirement in the permit application (<https://files.dnr.state.mn.us/waters/forms/irr-app.pdf>) to submit a plan approved by the local Soil and Water Conservation District before an appropriation permit is issued.

From page 2 of the permit application: "18. SOIL & WATER CONSERVATION PLAN: Indicate if a conservation plan, approved by the SWCD, has been developed for the acreage you propose to irrigate. An approved soil and water conservation plan or a written statement from the SWCD is required before a water appropriation permit can be issued. Please contact the SWCD regarding the development of a soil and water conservation plan."

# **BACKGROUND INFO on PROPOSED RESOLUTION #9**

## **Support for Managing Water Flows in the Minnesota River Basin Through Increased Water Storage and Other Strategies and Practices**

**Proposing District:** Lower Minnesota River Watershed District  
**Contact Name:** Linda Loomis  
**Phone Number:** 763-545-4659  
**Email Address:** naiadconsulting@gmail.com

**Background that led to submission of this resolution:**

The Lower Minnesota River Watershed District (LMRWD) is the local sponsor for the US Army Corps of Engineers maintenance of the navigation channel in the Minnesota River. As the local sponsor the LMRWD has seen the amount of sediment increase significantly. The increase in sediment has increased the cost for the LMRWD to manage dredge material that is removed from the river to maintain navigation.

Numerous studies of the MN River Basin attribute the increase in sediment to an increase in the flow of water from increased agriculture drainage; increased impervious surfaces created by municipal development and increased precipitation patterns.

The LMRWD was approached by the Minnesota River Congress to ask for support for its initiative to increase the amount of water storage in the MN River Basin and seek funding for this initiative at the state and federal levels. The LMRWD agreed to support the MN River Congress and the Board of Managers felt it was appropriate to request support from MAWD for this initiative.

**Ideas for how this issue could be solved:**

The Minnesota River Congress is approaching organizations responsible for managing water in the MN River Basin, such as Counties and SWCDs (drainage authorities) to solicit support. Several MASWCD Areas have adopted resolutions of support for increasing water storage. In addition, several area legislators have agreed to introduce legislation to commit state funding to support CREP programs or develop a new program similar to CREP to take land that could be used for water storage out of production.

**Anticipated support or opposition from other governmental units?**

The Minnesota River Congress is a coalition of many organizations in the MN River Basin and many of the governmental units are part of the coalition. There may be oppositions from any group that feels their own funding may be lessened because of this program.

**This issue is of importance (Check one):**

- To the entire State:  \_\_\_\_\_
- Only our Region:  \_\_\_\_\_
- Only our District:  \_\_\_\_\_

## PROPOSED 2019 MAWD RESOLUTION #9

### Support for Managing Water Flows in the Minnesota River Basin Through Increased Water Storage and Other Strategies and Practices

Submitted by: Lower Minnesota River Watershed District

**WHEREAS**, virtually all of the natural water storage that once existed on the landscape in the form of prairie potholes, wet meadows, and even small lakes in the Minnesota River Basin has been eliminated; and

**WHEREAS**, increased agricultural drainage and increased impervious surfaces in municipal areas along with significantly increased precipitation patterns is dramatically increasing water flow in our rivers and streams; and

**WHEREAS**, high water levels in rivers and streams flood adjacent low-lying areas, erode stream banks, create backups on existing tile and ditch systems, and increase sediment transfer downstream; and

**WHEREAS**, many acres of farm fields are flooded each year, sometimes multiple times each year, by river and stream flooding thereby preventing planting or destroying growing crops; and

**WHEREAS**, storing water in upstream areas of the landscape will mitigate and slow the amount of water moving into rivers and streams and reduce flooding and erosion; and

**WHEREAS**, storing water in upstream areas of the landscape and other strategies such as improving soil health will mitigate and slow the amount of water moving into rivers and streams and reduce flooding and erosion; and

**WHEREAS**, the Minnesota River Congress, [a citizen-led group focusing on the natural resource and economic health of the Minnesota River Basin] is spearheading an initiative to increase water storage on the landscape using recommendations from the Collaborative for Sediment Source Reduction (CSSR) study as a basis for its initiative; and

**WHEREAS**, the Minnesota River Congress is planning to introduce legislation at the state and federal levels to secure significant funding, specifically for surface water storage on the landscape in the Minnesota River Watershed.

**THEREFORE, BE IT RESOLVED** that MAWD supports efforts to manage the flow of water in the Minnesota River Basin and the Minnesota River Congress in its efforts to increase water storage on the landscape; and

**BE IT FURTHER RESOLVED** that MAWD supports the Minnesota River Congress in its efforts to secure state and federal programs targeted specifically to increase surface water storage in the Minnesota River Watershed.

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#### Notes:

After discussion, the committee recommended the membership vote in favor of this resolution.

# BACKGROUND INFO on PROPOSED RESOLUTION #10

## Chinese Mystery Snail Designation Change and Research Needs

**Proposing District:** Pelican River Watershed District  
**Contact Name:** Tera Guetter, Administrator  
**Phone Number:** 218-846-0436  
**Email Address:** Tera.Guetter@arvig.net

### Background that led to submission of this resolution:

Chinese Mystery snails are present in most major recreational lakes within the Pelican River Watershed District and are a concern to area residents. Populations have increased to high density levels where shorelines can have up to 2-3 ft of washed up shells, fouling up beaches and causing odor problems. These species are used in aquariums, but when improperly disposed of in public waters, they cause recreational, ecological, and economical damage in our waters.

Goal: The State of MN will conduct research to control populations of Chinese Mystery Snails and to change the Minnesota designation from a regulated species to a prohibited species.

### Ideas for how this issue could be solved:

Research to control populations below nuisance levels and to change the designated status from regulated to prohibited to prevent use in aquariums and unintended release into public waters.

### Anticipated support or opposition from other governmental units?

### This issue is of importance (Check one):

To the entire State:  \_\_\_\_\_

Only our Region: \_\_\_\_\_

Only our District: \_\_\_\_\_

**PROPOSED 2019 MAWD RESOLUTION #10**  
**Chinese Mystery Snail Designation Change and Research Needs**  
**Submitted by: Pelican River Watershed District**

**WHEREAS**, Aquatic Invasive species cause recreational, economic and ecological damage—changing how residents and visitors use and enjoy Minnesota waters;

**WHEREAS**, the presence and spread of Chinese Mystery Snails, an aquatic invasive species, is a matter of growing concern in the State of Minnesota, transcending state and international lines;

**WHEREAS**, Chinese mystery snails are native to East Asia, but were brought into the U.S. in the late 19th century as a possible food source, and appeared in Minnesota in the early 2000's and have now spread to more than 27 states and the Great Lakes;

**WHEREAS**, Chinese Mystery Snails are an ecological threat as they can achieve very high densities and adversely affect aquatic food webs by competing with native snails for food and habitat and transmit harmful parasites and diseases that harm native mussels and waterfowl;

**WHEREAS**, Chinese Mystery Snails are an economic nuisance as they can die-off in large numbers and foul beaches and clog water-intake pipes;

**WHEREAS**, it is paramount to prevent the spread of Chinese Mystery Snail to un-infested waterways;

**WHEREAS**, Chinese Mystery Snail is designated as a regulated invasive species (MN DNR) in Minnesota and it is legal to buy, sell, transport, and possess, but may not be introduced into a free-living state, such as released into public waters;

**WHEREAS**, there is no known effective population control for Chinese mystery snails in natural water bodies at this time;

**THEREFORE, BE IT RESOLVED** that MAWD supports Chinese Mystery Snail prevention and control research and to change the Chinese Mystery Snail designated status in Minnesota as a regulated species to a prohibited species.

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**Notes:**

After discussion, the committee recommended the membership vote in favor of this resolution.

# BACKGROUND INFO on PROPOSED RESOLUTION #11

## Resolution to Ban the Use of Pesticides and Herbicides that are Known Carcinogens on Residential and Commercial Lawns

**Proposing District:** Riley Purgatory Bluff Creek Watershed District  
**Contact Name:** Claire Bleser, Administrator  
**Phone Number:** 952-607-6512  
**Email Address:** cbleser@rpbcwd.org

### Background that led to submission of this resolution:

Riley Purgatory Bluff Creek Watershed District seeks to address groundwater health challenges through the strategies included in its 2018 10-Year Watershed Management Plan to promote the sustainable management of groundwater resources. The District recognizes that groundwater can be contaminated by fertilizer and pesticide applications, and that surface water and groundwater resources are interdependent. (10-Year Plan, 2.3.6.2, 2-21). While these relationships are challenging to quantify, contaminated water from one source can impact the water quality of the other. The District is focused on prevention of groundwater contamination through best management practices, recognizing that groundwater clean-up, when feasible, is both expensive and complex.

Pesticides and herbicides used on both commercial and residential lawns have been linked to human health problems, and some studies have connected pesticides and herbicides with carcinogenic properties, including promotion of tumors.<sup>1</sup> A variety of pesticide and herbicide products pose health concerns, and some pesticides include known endocrine-disrupting compounds that affect how natural hormones function in the body and interfere with the body's regulation of the endocrine system.<sup>2</sup>

There are two primary pathways to pesticide and herbicide exposure, both directly and via drinking water through groundwater contamination. Contaminated surface water moving through the soil carries pollutants into groundwater resources, resulting in an underground plume of polluted groundwater that may become unsuitable for drinking water.<sup>3</sup> In Minnesota, pesticides shown to disrupt hormone activity have been detected in surface waters.<sup>4</sup>

Some municipalities in Canada have restricted pesticide use for aesthetic purposes, including on golf courses, due to health effects concerns including the relation between surface-applied pesticide exposure and occurrence of cancer.<sup>5</sup> A 2006 study reviewing medical literature on herbicide and pesticide exposure notes that "the balance of epidemiological research suggests the 2,4-D [a common herbicide used to kill weeds in grass] can be persuasively linked to cancers, neurological impairment and reproductive problems. These may arise from 2,4-D itself, from breakdown products or dioxin contamination, or from a combination of chemicals."<sup>6</sup> The University of Texas MD Anderson Cancer Center also notes that, although evidence is limited, the International Agency for Research on

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<sup>1</sup> Dich, J., Zahm, SH, Adami, HO. (1997). Pesticides and Cancer. *Cancer Causes Control*. May; 8(3), 420-43.

<sup>2</sup> Swackhamer, D. et al. (2010). Understanding Sources of Aquatic Contaminants of Emerging Concern. LCCMR Project Addendum. Available online: [https://www.lccmr.leg.mn/documents/peer\\_review/2010/addendums/subd\\_5a\\_swackhamer\\_v1.pdf](https://www.lccmr.leg.mn/documents/peer_review/2010/addendums/subd_5a_swackhamer_v1.pdf).

<sup>3</sup> See Joyce Latimer, Mike Goatley, Greg Evanylo, Bonnie Appleton. (2009). Groundwater Quality and the Use of Lawn and Garden Chemicals by Homeowners. Virginia Tech and Virginia State University: Virginia Cooperative Extension. Available online: <https://www.pubs.ext.vt.edu/426/426-059/426-059.html>.

<sup>4</sup> Swackhamer, D. et al. (2010). Understanding Sources of Aquatic Contaminants of Emerging Concern. LCCMR Project Addendum. Available online: [https://www.lccmr.leg.mn/documents/peer\\_review/2010/addendums/subd\\_5a\\_swackhamer\\_v1.pdf](https://www.lccmr.leg.mn/documents/peer_review/2010/addendums/subd_5a_swackhamer_v1.pdf).

<sup>5</sup> Loren D. Knopper & David R.S. Lean. (2010) Carcinogenic and Genotoxic Potential of Turf Pesticides Commonly used on Golf Courses. *Journal of Toxicology and Environmental Health, Part B*. Vol. 7, 2004: 4, 267-279. Available online: <https://www.tandfonline.com/doi/full/10.1080/10937400490452697?scroll=top&needAccess=true>.

<sup>6</sup> Meg Sears, C. Robin Walker, Richard HC van der Jagt, Paul Claman. (2006) Pesticide assessment: Protecting public health on the home turf. *Pediatrics & Child Health*, vol. 11: 4, 229-234. Available online: <https://academic.oup.com/pch/article/11/4/229/2648275>.

Cancer linked certain herbicides, such as those containing glyphosate (2,4-D) with an increased risk of cancer.<sup>7</sup> According to the non-profit group Beyond Pesticides, of the 36 most commonly used lawn care pesticides registered prior to 1984, “14 are probable or possible carcinogens, 15 are linked with birth defects, 21 with reproductive defects, 24 with neurotoxicity, 22 with liver or kidney damage, and 3 are sensitizers and/or irritants.”<sup>8</sup> Additionally, “[a] child in a household using home and garden pesticides is 6.5 times more likely to develop leukemia than in a home that does not.” A 2012 National Institute of Health study of companion animals exposed to lawn care products demonstrated an association between use of specific law care products and a greater risk of canine malignant lymphoma.<sup>9</sup>

**Ideas for how this issue could be solved:**

We have identified one potential solution:

1. Ban the use of carcinogenic pesticides and herbicides on residential and commercial lawns and encourage adoption of alternatives such as PRFCT lawns.

**Anticipated support or opposition from other governmental units?**

Minnesota Department of Health lists pesticides as a chemical of special concern to children’s health and many be interested in partnering on legislation. The Minnesota Department of Agriculture offers voluntary turfgrass pesticide use Best Management Practices “to bring awareness to homeowners and lawn care companies on proper and judicious use of pesticides for homeowners, lawn care companies, and golf course managers to help protect water resources, humans, and non-target organisms including pollinators.” These BMPs include using non-chemical pest control methods.

**This issue is of importance (Check one):**

- To the entire State:  \_\_\_\_\_
- Only our Region: \_\_\_\_\_
- Only our District: \_\_\_\_\_

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<sup>7</sup> Kellie Bramlet. (2016) Lawn Care and Your Cancer Risk. University of Texas MS Anderson Cancer Center. Available online:

<https://www.mdanderson.org/publications/focused-on-health/lawncare-cancer-risk.h26Z1590624.html>.

<sup>8</sup> Beyond Pesticides. Commonly Asked Questions About Chemical Lawn Care. Available online: <https://www.beyondpesticides.org/programs/lawns-and-landscapes/overview/faq-chemical-lawn-care>.

<sup>9</sup> Takashima-Uebelhoer BB, Barber LG, Zagarins SE, Procter-Gray E, Gollenberg AL, Moore AS, Bertone-Johnson ER. (2012) Household chemical exposures and the risk of canine malignant lymphoma, a model for non-Hodgkin’s lymphoma. 112:171-176. Available online: <https://www.ncbi.nlm.nih.gov/pubmed/22222006>.

**PROPOSED 2019 MAWD RESOLUTION #11**  
**Resolution to Ban the Use of Pesticides and Herbicides that are Known**  
**Carcinogens on Residential and Commercial Lawns**  
**Submitted by: Riley Purgatory Bluff Creek Watershed District**

**WHEREAS**, watershed districts engage in conserving the state’s natural resources “by land use planning, flood control, and other conservation projects by using sound scientific principles for the protection of the public health and welfare and the provident use of the natural resources.” Minn. Stat. 103D.201, subd. 1;

**WHEREAS**, human and environmental health concerns arise from the use of health harming and potentially carcinogenic pesticides and herbicides on commercial and residential lawns because surface application exposes humans and animals to potential carcinogens, and surface water carries pesticide and herbicide pollution through soil and into groundwater sources that can affect drinking water and environmental health;

**WHEREAS**, eliminating the use of specific pesticides and herbicides on lawns will reduce surface interaction with these health-harming, potential carcinogens, and limit their entry into groundwater;

**WHEREAS**, the Minnesota Department of Health lists pesticides as a chemical of special concern to children’s and the Minnesota Department of Agriculture promotes turfgrass pesticide use BMPs including using non-chemical pest controls;

**THEREFORE, BE IT RESOLVED** that MAWD supports legislation that would ban the use of carcinogenic pesticides and herbicides on residential and commercial lawns.

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**Notes:**

After discussion, the committee recommended the membership NOT vote in favor of this resolution as written for the following reason:

- The committee felt this resolution was not our fight.

# **BACKGROUND INFO on PROPOSED RESOLUTION #12**

## **Resolution to Limit Wake Boat Activities that Directly Cause Shoreline Erosion and Spread Aquatic Invasive Species**

**Proposing District:** Riley Purgatory Bluff Creek Watershed District  
**Contact Name:** Claire Bleser, Administrator  
**Phone Number:** 952-607-6512  
**Email Address:** cbleser@rpbcwd.org

### **Background that led to submission of this resolution:**

Riley Purgatory Bluff Creek Watershed District seeks to address erosion and shoreland health challenges through the water quality strategies included in its 2018 10-Year Watershed Management Plan, issues that fall within one of the plan's primary focus areas: improving and protecting water quality. In its Watershed Management Plan, the District maintains that healthy shoreland areas are a key element of healthy hydrologic systems and provide habitat to support wildlife viability. Shoreland benefits can be compromised by erosion and sedimentation, among other resource threats. The District seeks to minimize the negative impacts of erosion and sedimentation – decreasing water depth, degrading water quality, smothering of fish and wildlife habitat – that result in major contributions to water pollution, recognizing that erosion and sedimentation are often accelerated by human activities. The District also seeks to minimize the spread and reduce the adverse ecological impacts of aquatic invasive species (AIS).

Public groups and the scientific community have observed water quality issues, including scouring of lake bottoms by boat waves, sediment disturbance and damage to aquatic plants, damage to shoreline areas, and negative impacts to aquatic animals, that are linked to the large wakes created by wake boats on lakes. The current design of many wake boat ballast tanks does not enable the tanks to be completely drained or fully decontaminated, presenting an additional concern about transport of AIS. While most of the discussion has focused on wake boats, the same issues may arise with any water craft designed or operated in a manner to create wakes larger than wakes created by ordinary boats, including but not limited to boats with ballast, fins, trim tabs, or similar design features.

A 2019 University of Minnesota Aquatic Invasive Species Research Center study showed that that large volume water holding ballast tanks of wake boats, which have the capacity to take on the most water of similar recreational boats, provide zebra mussels and larvae the greatest opportunity for inter-lake transport. These boats are not designed to fully drain all ballast tank water.<sup>10</sup>

A 2018 report from the Oregon State Legislature summarizes studies on the various effects of wake boats, noting that boat speed is a primary factor in influencing wave size.<sup>11</sup> Also cited in this report is a report by the Scientific and Technical Advisory Committee to the Chesapeake Bay Program that demonstrates a positive correlation between the size of boat wakes and the extent of shoreline erosion as well as sediment resuspension and nearshore turbidity.<sup>12</sup>

A report to the City Council of Prior Lake, Indiana assesses environmental impacts from high speed boats on the

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<sup>10</sup> Dave Orrick. (2019) Zebra Mussel's Best Friend: Wakeboard Boats, New U Study Finds. Livewell also Tested. Accessed through the Minnesota Aquatic Invasive Species Research Center (MAISRC), <https://www.maisrc.umn.edu/news/wakeboards>.

<sup>11</sup> Item E: Staff report on safety around wake sports statewide. (2018) Oregon State Legislature. Available online: <https://olis.leg.state.or.us/liz/2018R1/Downloads/CommitteeMeetingDocument/144261>.

See also Sara MercierBlais & Yves Prairie. (2014) Project evaluation of the impact of the waves created by the type of boats wakeboat on the shores of Lake Memphremagog and Lovering; Ruprecht, Glamore, Cogland. (2015) Wakesurfing: Some Wakes are More Equal than Others. Available online: [https://www.researchgate.net/publication/294799932\\_Wakesurfing\\_Some\\_Wakes\\_are\\_More\\_Equal\\_than\\_Others](https://www.researchgate.net/publication/294799932_Wakesurfing_Some_Wakes_are_More_Equal_than_Others).

<sup>12</sup> Id. See also USDA NRCS. (1997) Slope Protection for Dams and Lakeshores: Minnesota Technical Note 2 (reviewing shoreline erosion processes and causes).

state’s lakes. The report summarizes studies focused on ecological impacts caused by waves, including shore and bank erosion, decreased water clarity, water quality degradation, and harm to aquatic plant and animal species. Shallow waters feel the most direct impacts of boat wakes, as well as shoreline areas adjacent to less than 1,000 feet of open water, making near-shore habitat where water depth is approximately 10 feet or less– the littoral zone—the most important to protect.<sup>13</sup>

In spring 2019, Vermont considered legislation presented in Senate Bill 69 “to restrict or prohibit the use of wake boats in certain public waters.”<sup>14</sup> The bill as introduced proposes to limit wake boat speed within 200 feet of shoreline, imposing a \$500 fine per violation, and proposes to restrict use of wake boats in certain public waters based on the size of the water body, the use of adjacent land, scenic beauty, or other recreational factors.<sup>15</sup> While the bill did not progress in the 2019 session, it may be re-introduced during a future session.

**Ideas for how this issue could be solved:**

We have identified three potential concurrent solutions:

1. Limiting wake boats to areas of lakes sufficiently distanced from shorelines to allow boat-generated waves to adequately dissipate and lessen energy before coming into impact with lake shorelines; and
2. Banning wake boats wakes in shallow lake areas where waves created by wake boats detrimentally impact sediment, aquatic vegetation, and aquatic habitat; and
3. Requiring wake boats to be designed, and existing boats to be modified, to enable complete drainage and decontamination of ballast tanks to stop the spread of AIS.

**Anticipated support or opposition from other governmental units?**

Minnesota DNR is already engaged in an education campaign, “Own Your Wake – for Everyone’s Sake,” encouraging responsible boat use near shorelines. DNR also actively promotes state AIS law, requiring boat ballast tanks to be emptied by a shoreline or waterway before being transported. We anticipate seeking DNR support for and leadership of legislation reflecting joint ideas of how to solve issues caused by wake boating.

**This issue is of importance (Check one):**

- To the entire State:  \_\_\_\_\_
- Only our Region: \_\_\_\_\_
- Only our District: \_\_\_\_\_

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<sup>13</sup> City of Prior Lake, Agenda Item #16. Information Item: A review of environmental impacts from high speed boats on Indiana’s public freshwater lakes; Administrative Cause no. 10-029V. Available online: <https://www.cityofpriorlake.com/documents/WSUM/info17.pdf>.

<sup>14</sup> Bruce Durgin. (2019) Wakeboard Boats Believed to Damage Lakes. The Federation of Vermont Lakes and Ponds. Available online: <http://vermontlakes.org/wp-content/uploads//FOVLAP-Newsletter-Spring-2019-Final-digital.pdf>

<sup>15</sup> Vermont Legislature (2019). Bill as Introduced: S.69. Available online: <https://legislature.vermont.gov/Documents/2020/Docs/BILLS/S-0069/S-0069%20As%20Introduced.pdf>

# PROPOSED 2019 MAWD RESOLUTION #12

## Resolution to Limit Wake Boat Activities that Directly Cause Shoreline Erosion and Spread Aquatic Invasive Species

Submitted by: Riley Purgatory Bluff Creek Watershed District

**WHEREAS** watershed districts engage in conserving the state’s natural resources “by land use planning, flood control, and other conservation projects by using sound scientific principles for the protection of the public health and welfare and the provident use of the natural resources.” Minn. Stat. 103D.201, subd. 1;

**WHEREAS** wake boats driven in Minnesota lakes result in scouring of lake bottoms, disturbance of lake sediment and damage to aquatic plants, erosion of lake shoreline, disturbance of and damage to aquatic animals, and transfer of water in boat ballast tanks – many of which are not designed to drain completely or to be decontaminated – that results in transfer of aquatic invasive species (AIS) among Minnesota lakes;

**WHEREAS** opportunities to limit the water quality impacts of wake boats include: restricting where within and in what waterbodies wake boats are allowed; defining the depth of water in which wake boats are allowed to create a wake; and requiring wake boats to be designed, and existing boats to be modified, to enable complete drainage and decontamination of ballast tanks to stop the spread of AIS

**WHEREAS** the Minnesota Department of Natural Resources is engaged in an education campaign, "Own Your Wake - for Everyone's Sake," encouraging responsible boat use near shorelines, and also actively promotes state AIS law, requiring boat ballast tanks to be emptied by a shoreline or waterway before being transported;

**WHEREAS** other states have begun to regulate wake boat minimum distance from shoreline requirements and limit in what water bodies wake boating may take place; these regulations can serve as guidelines for regulations in Minnesota;

**THEREFORE, BE IT RESOLVED** that supports legislation to achieve one or more of the following:

- a) limiting wake boating to areas of lakes sufficiently distanced from shorelines to allow boat generated waves to adequately dissipate and lessen energy before coming into impact with lake shorelines;
- b) banning wake boats wakes in shallow lake areas where waves created by wake boats detrimentally impact sediment, aquatic vegetation, and aquatic habitat; and
- c) requiring new and existing wake boats to be able to completely drain and decontaminate their ballast tanks.

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**Notes:**

After discussion, the committee recommended the membership NOT vote in favor of this resolution as written for the following reasons:

- The study appears to have not been done by professionals, but a committee.
- Currently, boat safety issues are enforced by the DNR’s conservation officers and county water patrols. Watershed districts do not have any ability to enforce.

# **BACKGROUND INFO on PROPOSED RESOLUTION #13**

## **Additional State Funding to Watershed Management Organizations to Implement Flood Risk Mitigation Projects**

**Proposing District:** Ramsey-Washington Metro Watershed District  
**Contact Name:** Tina Carstens, Administrator  
**Phone Number:** 651-792-7960  
**Email Address:** tina.carstens@rwmwd.org

**Background that led to the submission of this resolution:**

The extreme wet year and the increase in heavy precipitation is causing watershed districts to spend significantly more time and resources to mitigate and prevent flooding. The Minnesota Twin Cities area has now reached the wettest year on record. The last 5 years have been the wettest 5 years ever. The last 10 years have been the wettest 10 years ever. The intensity of rain events is also increasing.

Watersheds across the state are faced with challenges in leading and supporting our partners on reducing the flood risk to our residents. Our established flood levels are outdated because of the changes in precipitation. Our infrastructure is undersized. Homes, roads, and properties are flooding and the cost to address these challenges is enormous.

The Ramsey-Washington Metro Watershed District alone is conducting feasibility studies that estimate tens of millions of dollars in new infrastructure needed to address the concern. While state funding is available, the need across the state outweighs the allocation of funds and often times metro and/or urban infrastructure needs do not reach a top priority project and therefore are not funded through existing state funding resources.

**Ideas for how this issue could be solved:**

First, Minnesota watershed management organizations could compile their needs for flood risk mitigation planning and projects similar to what has been done for water quality project needs for the Clean Water Fund. If state officials saw the need across the state, they would be able to justify a greater allocation.

Different funding resources for different kinds of flood risk mitigation would address the needs in the metro/urban areas. This is due to the built nature of the environment which makes it more difficult and more costly to implement projects. And then ultimately, the state dedicating more money to this need would allow watersheds and our local government partners to address this issue.

**Anticipated support or opposition from other governmental units?**

We would anticipate that watersheds across the state as well as our local government partners would be in favor of more financial support for flood risk reduction.

**This issue is of importance (Check one):**

To the entire State:   X    
Only our Region:             
Only our District:

# **PROPOSED 2019 MAWD RESOLUTION #13**

## **Additional State Funding to Watershed Management Organizations to Implement Flood Risk Mitigation Projects**

**WHEREAS**, watershed management organizations in partnership with other local units of government engage in working to control and/or alleviate damage from floodwaters;

**WHEREAS**, the Twin Cities metro area has measured the wettest precipitation year on record and is also experiencing the wettest 5- and 10-year period on record;

**WHEREAS**, watershed management organizations are experiencing impacts on our built and natural systems due to prolonged high-water levels and rain flood events;

**WHEREAS**, current public infrastructure in our urban, built up environments is not adequate to handle the increase in rainfall and the change in intensity of our rainstorms;

**WHEREAS**, the dollars required to address the watershed management organization and local units of government needs are considerably more than what is currently allocated for flood risk mitigation;

**WHEREAS**, the current funding parameters and prioritization make it difficult for metro area applicants to qualify for the dollars allocated for this purpose;

**NOW, THEREFORE, BE IT RESOLVED;** that MAWD supports additional state funding be allocated for watershed management organizations to implement flood risk mitigation projects with consideration given to a dedicated allocation for the Twin Cities metro area.

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**Notes:**

After discussion, the committee recommended the membership NOT vote in favor of this resolution as written for the following reason:

- Including a special allocation for the Twin Cities area furthers the divide between the rural and metro MAWD members that we are actively trying to close.

## Memo

DATE: September 5, 2019  
TO: MAWD Board  
FROM: Mary Texer, Strategic Plan Committee Chair  
**RE: Proposed 2020-2022 MAWD Strategic Plan**

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### Introduction

As you read this report and the Strategic Plan that follows please note that the plan focuses on MAWD and its activities. At this point in time the shortened timeframe (3 years instead of a more traditional 5 to 10) reflects our work getting MAWD better situated to serve its membership as a whole. In order to create a plan with a longer timeframe the membership, not just the committee, needs to create a vision for the organization. This could be done as part of the Annual Meeting in 2020 or 2021.

The Strategic Plan focuses on the what we should be doing and not on how we will do it. After the Plan is accepted by the membership, specific “hows” will be developed along with assigning responsibility to various MAWD committees. This will promote accountability and measurability.

In any case the Strategic Plan needs to be reviewed and possibly revised annually to ensure it is a living document that meets the desires of the organization and not just a dusty tome on a shelf.

### Background

The MAWD Strategic Planning Committee met March 13, March 28 and April 15 at the offices of the Capitol Region Watershed District. Committee Members were:

- Craig Leiser, Manager, Browns Creek
- Daniel Money, Administrator, Two Rivers
- Dennis Kral, Manager, Pelican River
- Dick Ward, Manager, Riley Purgatory Bluff Creek
- Emily Javens, Executive Director, MAWD
- Mary Texer, Manager, Capitol Region
- Michelle Overholser, Administrator, Yellow Medicine
- Phil Belfiori, Former Administrator, Rice Creek
- Jackie Anderson, Manager, Comfort Lake Forest Lake

The committee reviewed the 2016-2019 Strategic Plan and determined that MAWD has accomplished all of the items in the current plan including:

- Split MAWD leadership duties into two positions – an Executive Director and a Lobbyist
  - Executive Director started full time on 1/1/2018
  - Lobbying Contract with Media and Government Affairs was secured through the 2017-18 biennium
- Provided more training opportunities for staff and managers
- Provided a regular presence at the Capitol and with state agencies, both in and out of session

- Provided regular communications on session activities
- Provided members with regular communications on legislative and state agencies' activities
- Developed a new MAWD website and social media presence
- Contracted for services to run the following events: Annual Meeting and Summer Tour
- Communicated training opportunities throughout the year
- Established a formal (permanent) MAWD office and contacted for administrative services at Capitol Region Watershed District
- Contracted for lobbying services for 2019-2020 Biennium

The 2018 Strategic Planning Committee decided that prior to developing the 2020-2022 Strategic Plan a new membership survey was needed. This survey was announced at the 2018 Annual Meeting and administered in December 2018/January 2019. The results of the survey were presented to and accepted by the MAWD Board at the February 2019 Board Meeting. The 2019 Strategic Planning Committee took the results of this survey and developed a Strategic Plan for 2020-2022.

Before crafting the Strategic Plan, the committee identified what they saw as MAWD's values. These are the guiding principles for MAWD's operations in all areas and are reflected in the Values Table below. This table was approved by the MAWD Board at its June meeting.

## MAWD Values

Category	Words	Consolidated Statement
How we treat each other and our membership	<ul style="list-style-type: none"> <li>• Integrity</li> <li>• Communication</li> <li>• Respect</li> <li>• In it together</li> <li>• Be fair</li> <li>• Shared knowledge/meetings</li> </ul>	We will treat all with integrity, respect, and fairness.
How we conduct our business	<ul style="list-style-type: none"> <li>• Relevance</li> <li>• Government Awareness</li> <li>• Protect good governance</li> <li>• Gather Stakeholder Input</li> <li>• Fiscally responsible</li> <li>• Independence</li> <li>• Present, discuss, agree on priorities</li> <li>• Collaboration</li> </ul>	We will conduct our business in a fiscally responsible, collaborative, and open manner.
What we want	<ul style="list-style-type: none"> <li>• Fishable Swimmable Drinkable</li> <li>• Quality</li> <li>• Protect</li> <li>• Enhance water quality in Minnesota</li> <li>• Advance land management practices that protect water quality and conserve soil resources</li> <li>• Promote water and land practices that enhance biodiversity</li> <li>• Seek government policies that enhance sound water management</li> </ul>	<p>We will promote and advocate for legislation and policies that</p> <ul style="list-style-type: none"> <li>• Enhance water quality in Minnesota</li> <li>• Advance land management practices that protect water quality and conserve soil resources</li> <li>• Promote water and land practices that enhance biodiversity</li> <li>• Enhance sound watershed management</li> <li>• Provide adequate and equitable drainage and flood damage reduction</li> <li>• Result in fishable, swimmable, and drinkable water for all</li> </ul>
How we approach problems	<ul style="list-style-type: none"> <li>• Science-based</li> <li>• Consider alternatives</li> <li>• Forward thinking</li> <li>• Problem solving</li> <li>• Analyze</li> <li>• Creative</li> <li>• Know priorities</li> <li>• Expertise</li> <li>• History of issues</li> <li>• Technical knowledge</li> </ul>	We approach water-based problems and issues using science-based analysis and available expertise.
How we share our knowledge	<ul style="list-style-type: none"> <li>• Educate citizens about water quality</li> <li>• Educate</li> <li>• Promote water stewardship</li> <li>• Community response</li> <li>• Community acceptance and endorsing</li> <li>• Respond to Issues</li> </ul>	<p>MAWD promotes and provides education for members and citizens that</p> <ul style="list-style-type: none"> <li>• Promotes good water stewardship</li> <li>• Educates about water quality</li> </ul>

Based on the above, the following is the Strategic Plan proposed for 2020-2022.

**PROPOSED MAWD Strategic Plan - DRAFT  
2020-2022**

**I. History & Purpose:** Minnesota Watershed Districts (WDs) were established with the Minnesota Watershed Act, M.S., Chapter 103 D in 1955. From inception it was felt that Minnesota WDs should be run by people somewhat removed from the political process, so they would be able to make tough and possibly unpopular decisions without a complete focus on political consequences. To facilitate this, it was agreed that the position of WD Manager would be appointed, rather than elected. Land use and zoning powers remained with elected city and county officials.

While the boundaries of WDs are determined by hydrologic lines of demarcation, rather than political boundaries, water does not follow political boundaries. The organizations are established by local petition to the Board of Water and Soil Resources (BWSR), a state agency. After filing of an establishment petition, the Board has the authority to establish a WD, define the boundaries, and appoint the first board of managers (Board) as defined under Minnesota Statutes 103D.101. All subsequent Board are appointed by the associated County Boards of Commissioners as defined under Minnesota Statutes 103D.311.

WDs responsibilities have changed from their original objectives of focusing solely upon water quantity. WDs have now assumed responsibility for a wide variety of water-related concerns, especially those related to water quality, including wetlands, wetland restoration, and groundwater management. The science associated with water quality and quantity issues continues to grow and as a result, awareness and application of these technologies is a significant consideration for WD Boards and staff.

Another important component of watershed work is engaging the public in its efforts through education, outreach, and cost-sharing grants.

WDs work with multiple state agencies, such as BWSR, Minnesota Department of Natural Resources, Minnesota Department of Health, Minnesota Department of Agriculture, and Minnesota Pollution Control Agency. They work with federal agencies, such as Natural Resources Conservation Service, United States Army Corps of Engineers, United States Department of Agriculture, United States Environmental Protection Agency and United States Fish and Wildlife Service. They also work with cities, counties, and such organizations as Soil and Water Conservation Districts (SWCDs) and regional governments, such as the Metropolitan Council. At all times a WD must be responsive to the community or communities they serve as well as citizen groups, which may from time to time seek assistance. This includes organizations, such as Lake Associations or Community Development organizations of many types.

To capitalize on watershed districts combined knowledge and to share information, the Minnesota Association of Watershed Districts (MAWD) was incorporated August 26, 1971.

**II. Core Values:**

- Integrity
- Communication
- Collaboration
- Relevance
- Science-based

**III. State Mandate:** Per Minnesota State Statute 103D.201 subdivision 1, WDs are “to conserve the natural resources of the state by land use planning, flood control, and other conservation projects by using sound scientific principles for the protection of the public health and welfare and the provident use of the natural resources.”

**IV. Mission:** MAWD provides relevant educational opportunities, information, training, and advocacy for WDs and Water Management Organizations (WMOs).

**V. Vision:** Establish MAWD as the leading resource and advocate regarding water and watershed management.

**VI. Strategic Planning Committee Membership and Intent:** The purpose of the Strategic Plan is to establish goals to move MAWD to achieving its Mission and Vision.

The MAWD Board of Directors (BOD) determined that the effective membership of this committee should consist of a

- A Chair from the MAWD Board of Directors,
- Three (3) WD or WMO Managers representing the three MAWD Regions of the state
- Three (3) current WD or WMO Administrators (MAWA) also representing the three MAWD Regions of the State

The Strategic Planning Committee is charged to develop a Strategic Plan every three (3) years with annual reviews and updates in the intervening years. The first Strategic Plan covered 2016 through 2019; the second Strategic Plan covers from 2020 through 2022. Each Strategic Plan will be presented to the MAWD BOD for comment and to the membership for approval at the annual meeting.

## **VII. Strategic Goals**

Based on input from the MAWD membership via a membership survey taken in December 2018, goals need to focus in three (3) areas:

- Education and Training
- Communication and Collaboration
- Lobbying and Advocacy

MAWD activities will be done in support of these focus areas.

### **Education and Training**

Activities in this area address the education and training needs of Board Managers, Administrators, and staff. MAWD will partner with such agencies and organizations as BWSR, SWCDs, and the University of Minnesota to offer timely and affordable educational opportunities. This includes new incumbent training in the three target groups.

Ongoing activities include:

- Continue to partner with other agencies and organizations to offer timely and affordable educational opportunities.
- Continue to expand training to MAWD members to engage with their elected officials. This includes State and Federal Representatives and Senators as well as local officials.

New initiatives include:

- Identify and advertise online/eLearning courses and training opportunities.

### **Communication and Collaboration**

Activities in this area focus on keeping MAWD membership informed of developments with water issues and collaboration between MAWD and other agencies and groups.

Ongoing activities include:

- Continue to expand MAWD's social media presence to increase visibility and impact.
- Continue to improve communications to MAWD members regarding MAWD's legislative efforts and general advocacy. This would be done prior to, during, and after the legislative session.
- Continue weekly video and written updates during the session and periodically off session.

New initiatives include:

- Expand MAWD’s presence in the press with the goal of educating the public about water organizations and their activities.
- Post official MAWD documents in such a way as to increase accessibility by MAWD members.
- Post the WD Handbook on line in a more searchable format that is easier to update and reference.
- Post reports from individuals representing MAWD on various state boards on the MAWD website after each meeting. This includes, but is not limited to:
  - BWSR Board
  - Clean Water Council
  - Water Roundtable
  - Drainage Work Group
- Publish quarterly financial reports to promote financial transparency between MAWD and its membership.
- Develop brochures and handouts in the following areas:
  - Annual legislative agenda
  - Benefits of watershed management
  - How to form a WD

### **Lobbying and Advocacy**

Activities in this area focus on lobbying on issues the membership identifies in their legislative agenda and advocating for MAWD and water organizations. These activities take place year-round and not just during the legislative session.

Ongoing activities include:

- Continue work to establish MAWD as a leadership organization – the experts with regard to water management.
- Continue to improve and increase the effectiveness of the MAWD legislative agenda preparation and lobbying activities.
- Continue to actively collaborate with State Agencies and other organizations as appropriate on legislative issues.
- Continue to actively support watershed management and the formation of new watershed organizations.

New initiatives include:

- Establish regional chapters in Regions I and II to promote more local information sharing and education.
- Implement MAWD’s Sunset Policy for resolutions.
- Ensure that legislative positions are in alignment with the MAWD mission, vision, and core values.
- Develop State and Federal Policy statements that reflect MAWD’s legislative positions and post these on the MAWD website.

## Memorandum

**To:** Riley-Purgatory-Bluff Creek Watershed District Board of Managers and District Administrator  
**From:** Barr Engineering Co.  
**Subject:** Engineer's Report Summarizing September 2019 Activities for November 6, 2019, Board Meeting  
**Date:** October 30, 2019

The purpose of this memorandum is to provide the Riley-Purgatory-Bluff Creek Watershed District (RPBCWD) Board of Managers and the District Administrator with a summary of the activities performed by Barr Engineering Co., serving in the role of District Engineer, during October 2019.

### General Services

- a. Met with Administrator Bleser, Watershed Planning Manager Jeffery, and Counsel Smith on October 7<sup>th</sup> about the capital improvement program and status of ongoing task orders. Discussion included the status of Bluff Creek Tributary restoration project, Chanhassen High School reuse project, potential meeting with Chanhassen for the Upper Riley Creek restoration project, 101 Wetland restoration property purchase and demolition, Lake Susan Park Pond operations and vegetation, Silver Lake subwatershed project, Scenic Heights Forest Restoration, and the Duck Lake subwatershed project basin designs and homeowner coordination. Administrator Bleser advanced the standing November CIP meeting to October 30<sup>th</sup> to solicit additional status updates.
- b. Met with city of Eden Prairie (Robert Ellis and Matt Bourne) and Watershed Planning Coordinator Jeffery about the repairing the eroded emergency overflow berm separating the water quality basin from the restored wetland in the Purgatory Creek Park area on October 11<sup>th</sup>. Several repair options were discussed. The city expressed a desire for RPBCWD to lead the repair and reinstall the boardwalk, raised concerns about future settlement of the embankment and sheetpile, and desires the district to stay involved with the project should additional repair be needed in the future. Also discussed impacts on water quality and flood storage if the overflow is stabilized at a lower elevation to still allow RPBCWD carp management opportunities, the overall impact should be minimal because the lost storage volume represents a small fraction of the overall volume and the PCPA is ultimately controlled by the outlet at the southern end of the restored wetland. The conversation also included some clarifying questions about the proposed rule revisions primarily focused on linear projects.
- c. Attended the Lower Riley Creek restoration preconstruction meeting with Administrator Bleser, city of Eden Prairie and Rachel Contracting on October 24<sup>th</sup>.
- d. Participated in the October 2<sup>nd</sup> regular Board of Managers meeting.
- e. Prepared Engineer's Report for engineering services performed during October 2019.

- f. Miscellaneous discussions and coordination with Administrator Bleser about spent lime system modifications request for quotes, additional assistance with the Duck Lake subwatershed project tasks, Bluff Creek restoration, project staffing, the Purgatory Creek Park berm separating the water quality basin from the restored wetland, and Lower Riley restoration projects as well as upcoming Board meeting agenda.
- g. Assessed erosion on a tributary to Purgatory Creek in Purgatory Creek Park in the city of Minnetonka and developed a planning level cost estimate for design and construction of stabilization work to assist the District and City with a grant application.

### Permitting Program

- a. *Permit 2018-066 Castle Ridge Redevelopment.* The project proposes to redevelopment the Castle Ridge, Broadmoor, and two adjacent owned properties at the southwest quadrant of Flying Cloud Drive and Prairie Center Drive into mixed-use senior housing, market rate apartments, hotel, and commercial/retail mixed-use project. This project will trigger RPBCWD Rules B, C, D, and J. Notified applicant of the board's conditional approval at the October 2<sup>nd</sup> board of manager's meeting. Review draft maintenance declaration and provided comments.
- b. *Permit 2015-036 Saville West.* The applicant is proposing a three lot development in Minnetonka. The permit was conditionally approved at the February 6, 2019 board meeting. Reviewed revised draft maintenance declaration and provided comments. Met with city of Minnetonka staff and Watershed Planning Coordinator Jeffery to discuss RPBCWD approval versus city approval. The RPBCWD 2019 condition approval was not presented to the city for review and approval. The city approval was for a prior version of the proposed development that involved impacting 5 lots not the three as currently conditionally approved by RPBCWD.
- c. *Permit 2016-030: IDI Distribution Building Expansion* – Expansion of existing building and northern parking lot. Stormwater management facilities, including pervious pavers, a filtration basin with underlying infiltration, and a water reuse system will be constructed to provide volume control, water quality, and rate control for runoff prior to discharging offsite. This permit was conditionally approved at August 2, 2017 meeting, the applicant fulfilled the conditions, and has completed construction. Provided the applicant a detailed list of the information needs to close-out their permit and allow for the financial assurance release on October 10, 2019. Spoke with Kelly Green Irrigation on October 25<sup>th</sup> to answer questions about permit close-out needs and responsibilities.
- d. *Permit 2017-007: Cedarcrest Stables:* This project involves construction of a 17-lot single family home subdivision in Eden Prairie. The project was conditionally approved at June 7, 2017 Board meeting. None of the conditions of approval were fulfilled by the applicant prior to the conditional approval expiration. Worked with Permit Coordinator Jeffery to determine path forward because the conditional approval expired and the applicant has change, thus a new applicant will need to submit a permit application for RPBCWD review and board consideration under a new number. Spoke with applicant's engineer on October 24<sup>th</sup> to let them know the submittal received.

- e. *Permit 2019-019: Sheldon Place:* The project proposes the redevelopment of a 1.01 acre parcel by removing existing structures and constructing a new 10-Unit Townhome development. The project was conditionally approved on June 5<sup>th</sup> and the applicant fulfilled the conditions. The contractor proposed to substitute an underground chamber system than was in the approved drawings. The consultant's engineer provided documentation demonstrating the project remains compliant with all RPBCWD criteria and the change was not substantive.
- f. *Permit 2019-032: West 79<sup>th</sup> St. Chanhassen Parking Lot:* The project includes the construction of a new parking lot along the south side of West 79<sup>th</sup> Street in Chanhassen. The proposed parking lot will serve as overflow parking for the restaurant in the area. The project triggers RPBCWD Rules B, C, and J. All conditions of approval were fulfilled, and construction is underway. Responded to applicant's revised plan sheet showing a drainpipe for the sump pretreatment manhole to the existing pond on the site. No other supporting technical data or computations were provided. Indicated the drainpipe needs to be removed because it was not part of the Board's conditional approval and causes runoff to by-pass the infiltration basin, thus RPBCWD's abstraction criteria would not be meet.
- g. *Permit 2019-038: Costco Fuel Facility Expansion:* The project includes the proposed construction of the Costco Fuel Facility Expansion located at 12011 Technology Drive in Eden Prairie, MN 55344. The project triggers RPBCWD Rules C, and J. The submittal materials received on September 24<sup>th</sup> were reviewed and considered incomplete.
- h. Met with Watershed Planning Coordinator Jeffery and city of Minnetonka on October 1<sup>st</sup> to discuss the Vine Hill Road crossing of Purgatory Creek. The crossing is experiencing sinkhole formation which is like the result of pipe separation. Due to the late construction season timing and potential to impact the roadway (i.e. public safety), the city will conduct the repair as an emergency measure and request a permit after the fact in alignment with the procedural requirements rule subsection 2.5. Discussions involved emergency need for repair, rules likely triggered, and floodplain impacts with culvert replacement. Because the 100-year elevation is controlled by the downstream crossing at Covington, the city proposed upsizing the culvert to improve fish passage does not appear to impact flood elevations. Provided follow-up information on the proper design approach based on DNR guidance.
- i. Met with Watershed Planning Coordinator Jeffery and Kimley Horn on October 8<sup>th</sup> about RPBCWD's permit review process of the Highway 101 reconstruction project. Based on RPBCWD legal and staff input, RPBCWD will permit the portion of the project in RPBCWD. Reviewed preliminary submittal for completeness and design consideration with respect to RPBCWD requirements and provided incomplete notice with comments on October 8<sup>th</sup>. This permit triggers RPBCWD's floodplain management, erosion control, wetland and creek buffer, and stormwater management rules. The preliminary submittal was incomplete because there was no permit application, no floodplain management information, and no wetland or creek buffer information. Met with permit applicant and Watershed Planning Coordinator Jeffery on October 22<sup>nd</sup> to step through preliminary review comments and answer questions.
- j. Met with Administrator Bleser and Watershed Planning Coordinator Jeffery on October 28<sup>th</sup> to discuss the regulatory spending, roles and responsibilities, site inspections, and permit close-outs.

- k. Miscellaneous conversations with Watershed Planning Coordinator Jeffery about technical questions on permit requirements for potential development and redevelopment projects as well as permit transfers.

#### **Data Management/Sampling/Equipment Assistance**

- a. Prepared, uploaded, and verified 21 RMB laboratory (RMB) reports.
- b. Prepared, uploaded, and verified all 2019 Duck Lake field data collected with the mobile application.

#### **Education and Outreach**

- a. Developed draft educational signage for the Chanhassen High School stormwater reuse system per Administrator Bleser request. Draft sign provided to RPBCWD staff for review and comment on October 21<sup>st</sup>.
- b. Developed agenda and presentation for Healthy Shorelines workshop held October 22<sup>nd</sup> at the District office. About twenty lakeshore property owners attended this participatory workshop to discuss solutions to their lake shore issues.

#### **Task Order 6: WOMP Station Monitoring**

##### ***Purgatory Creek Monitoring Station at Pioneer Trail***

- a. Download and review data.

##### ***Purgatory Creek Monitoring Station at Valley View Rd***

- a. Download and review data.
- b. Storm event sampling – collect, prep, and deliver samples to the MCES lab
- c. Review and approve MCES lab invoice.

#### **Task Order 13b: Lake Susan Watershed Treatment and Stormwater Reuse Enhancements Design and Construction Administration**

- a. Met Peterson Companies (Ryan Potvin) onsite on October 22<sup>nd</sup> to discuss the system at Lake Susan Park Pond. Ryan indicated he was at the site several times over the last couple of weeks in response to our questions about pumping to the iron enhanced sand filter (IESF). As best he was able to determine pumping to the IESF was occurring but because of the water build-up in the distribution manhole, the float was tripping and forcing the system to shut down too quickly. Ryan recommended adjusting the flow rates or either switching to a level transducer in the IESF or relocating the float to a stilling well in the IESF.
- b. The site visit confirmed the system capacity to pump water to the IESF despite engineer and staff site visits during the summer not observing standing water on the filter. The system logged 1050 hours in 2019, almost 44 days, of pumping to the IESF. The IESF contained about 15 inches of standing water at 11 AM on October 22<sup>nd</sup> and no standing water on October 23<sup>rd</sup> at 7:30 AM, confirming adequate filtration capacity.

- c. The city was also onsite to winterize the system. The city confirmed they did not use the reuse system this year due to the wet conditions. The irrigation system only recorded 68,000 gallons, most of which was thought to be during start-up.
- d. Most of the cordgrass plugs were underwater at the time of the site visit. Those above the waterline were growing. The areas seeded with turf grass and native prairie have revegetated satisfactorily.
- e. Contractor still needs to remove temporary erosion control measures before the final payment application can be processed



**Standing water on the IESF consistent with design**



**Vegetation adjacent to IESF**

#### **Task Order 14b: Lower Riley Creek Final Design**

- a. Continued to work with the contractor to discuss their dewatering plan and provide necessary information to coordinate with the DNR for the dewatering permit.

- b. Held pre-construction meeting at RPBCWD office on October 24. In attendance was contractor, Barr staff, Administrator Bleser, and city of Eden Prairie staff.
- c. Worked on staking construction limits and marking trees for removal to prepare for construction to begin in the week of November 4.

#### **Task Order 19: Chanhassen High School Stormwater Reuse Project**

- a. Followed up with the contractor (Peterson) on replacing the faulty breaker in the UV system. Breaker was replaced on October 14<sup>th</sup>, same day as the system was winterized. Peterson will make sure the system and breaker are working correctly at spring startup.
- b. Requested a quote from the contractor (Peterson) for equipment and installation of telemetry in the Chanhassen High School reuse system to send (email/text) notifications of system alarms. Administrator Bleser asked for the information in response to the system alarms in 2019 not being noticed, shared, or reset by ISD 112 as timely as they could have been, resulting reduced use of the system. The purpose of the telemetry equipment would be to enhance ISD 112 and RPBCWD ability to receive and respond to system alarms

#### **Task Order 21B: Bluff Creek Stabilization Project**

- a. Finished clearing during the first week of October, after wet weather hampered access. The final clearing extents were less than the construction limits shown on the plans, and the contractor anticipates working around several trees near the banks that had been anticipated for removal.
- b. Continued wet weather during October has delayed the start of construction. Construction is now anticipated to begin during the week of November 4.



**Cleared area of Bluff Creek Tributary (channel is approximately 10-12 feet deep). Litter from clearing was left on the ground to act as mulch for erosion control.**



**Upstream area where grading will not be as extensive  
had more selective clearing**

#### **Task Order 25: Duck Lake Water Quality Improvement Project**

- a. Staff worked with RPBCWD legal to develop homeowner agreements for four rainwater garden sites. The homeowner agreements were distributed to three owners and all were signed and returned. The fourth agreement is being held pending final design revisions.
- b. Updated a graphic showing the locations of parcels whose owners have shown interest in future stormwater BMPs.
- c. Prepared draft request for quote (RFQ) documents, including quote forms, design plans, and specifications for construction of four rainwater gardens during spring 2020.

#### **Task Order 26: Stormwater Model Update and Flood-Risk Area Prioritization Identification for the Bloomington Portion of Purgatory Creek**

- a. Staff met with Administrator Bleser and City of Bloomington staff on October 24<sup>th</sup> to review a draft prioritization framework for flood-risk mitigation projects. The draft framework was developed based on input provided during the September 11<sup>th</sup> TAC meeting, including considerations for frequency of flooding and number of flood-prone structures. During the meeting, Barr staff received input regarding modifications for the framework including adding criteria for critical infrastructure, ecosystem services and multiple benefits, and modifying the criteria related to social vulnerability, and resiliency and adaptation.
- b. Barr staff will revise the prioritization framework to incorporate feedback provided by Administrator Bleser and City of Bloomington staff. Following approval of the draft framework, Barr will develop a process for scoring flood-prone areas within the portion of the Purgatory Creek watershed within Bloomington.

#### **Task Order 28a: Rice Marsh Lake Subwatershed 12a Water Quality Project**

- a. Compiled monitoring data from RPBCWD staff and RPBCWD's EQUIS database

**To:** Riley-Purgatory-Bluff Creek Watershed District Board of Managers and District Administrator  
**From:** Barr Engineering Co.  
**Subject:** Engineer's Report Summarizing September 2019 Activities for November 6, 2019, Board Meeting  
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- b. Began developing potential BMP options for the site.
- c. Began reviewing the modeling results and P8 calibration to monitoring data within the RM\_12a watershed.

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**From:** Dave Melmer  
**Subject:** October 23, 2019—Erosion Inspection  
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**Project:** 23/27-0053.14 PRMT 9016

Barr staff has inspected construction sites in the Riley Purgatory Bluff Creek Watershed District for conformance to erosion and sediment control policies. Listed below are construction projects and the improvement needed for effective erosion control. The sites were inspected from October 23, 2019.

## ***Site Inspections***

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<b>2015-010</b>	<b>Children's Learning Adventure - Private - Commercial/Industrial Northwest Corner of Highway 5 and Galpin Avenue Chanhassen, MN 55317</b> No change since last monthly inspection.	<b>2019-10-23</b>
<b>2015-036</b>	<b>Saville West Subdivision - Private - Residential 5325 County Road 101 Minnetonka, MN 55345</b> No change since last monthly inspection.	<b>2019-10-23</b>
<b>2015-050</b>	<b>Arbor Glen Chanhassen - Private - Residential 9170 GREAT PLAINS BLVD Chanhassen, MN 55317</b> Perimeter control (silt fence) installed. Roadway and detention ponds installed. Rock entrances refreshed-installed regularly. Tracking to street/sediment at gutter--is cleaned up regularly. Catch basin protection installed. Bio-rolls installed where needed. Landscaping at some sites underway. CA opened for silt fence overtopping and silt into detention pond south of 715 Crossroads Court. Site representative was notified. CA remains open--no change-site representative is aware.	<b>2019-10-23</b>
<b>2015-055</b>	<b>Hampton Inn Eden Prairie - Private - Commercial/Industrial 11825 Technology Drive Eden Prairie, MN 55344</b> No change since last monthly inspection. Site construction continues. BMP's in place.	<b>2019-10-23</b>
<b>2016-017</b>	<b>SWLRT - Government - Other Varies Eden Prairie, MN 55344</b> No change since last monthly inspection. BMP's look good thru out entire site/route to date.	<b>2019-10-23</b>
<b>2016-020</b>	<b>Prairie View Enclave - Private - Commercial/Industrial 12701 Pioneer Trail Eden Prairie, MN 55347</b> No activity observed to date.	<b>2019-10-23</b>

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<b>2016-026</b>	<b>Foxwood Development - Private - Residential 9150 and 9250 Great Plains Blvd Chanhassen, MN 55317</b>	<b>2019-10-23</b>
	Multiple new home sites starting--rock entrances installed. Minor tracking to street observed-- site is swept regularly. Multiple house construction continues-BMP's look good- silt fences and rock entrances installed/ good perimeter control. Catch basin protection installed. Silt fences have been installed on unsold lots.	
<b>2016-032</b>	<b>CSAH 61 Improvements - Government - Linear N/A Eden Prairie, MN 55347</b>	<b>2019-10-23</b>
	No change since last monthly inspection. Construction continues. Slopes are covered with matting or have been spray tac'd. Area near creek crossing is completed.-- BMP's look good.	
<b>2016-041</b>	<b>Chanhassen West Water Treatment Plant - Government - Other 2070 Lake Harrison Road Chanhassen, MN 55317</b>	<b>2019-10-23</b>
	Silt fences installed on site. Construction complete. Landscaping and seeding complete--vegetation established. Entrance installed and paved--roadway complete. Playground installation on north side complete. South slope vegetation is established.	
<b>2016-042</b>	<b>18663 St. Mellion Place--Eden Prairie (Bear Path)</b>	<b>2019-10-23</b>
	Construction complete. Landscaping completed. Vegetation established. Site is stable. This will be last field inspection for this permit.	
<b>2017-001</b>	<b>Kopesky 2nd Addition - Private - Residential 18340 82nd St Eden Prairie, MN 55347</b>	<b>2019-10-23</b>
	Site grading complete-house construction completed at three sites. Fourth house site construction is underway. Perimeter control installed/bio rolls along infiltration basin adequate. Minor tracking to street--rock entrance will need to be refreshed soon. Infiltration basins completed. Basin protection removed for winter.	
<b>2017-006</b>	<b>6687 Horseshoe Curve Chanhassen</b>	<b>2019-10-23</b>
	No activity observed to date.	
<b>2017-023</b>	<b>Eden Prairie Assembly of God - Private - Commercial/Industrial 16591 Duck Lake Trail Eden Prairie, MN 55346</b>	<b>2019-10-23</b>
	Construction complete. Site vegetation is established. Site is stable. All temporary BMP's have been removed from original construction. Additional construction observed and bio-logs installed.	

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<b>2017-024</b>	<b>Prairie Bluffs Senior Living - Private - Residential 10280 Hennepin Town Rd Eden Prairie, MN 55347</b>	<b>2019-10-23</b>
	Construction complete. CA remains open for street tracking -- sediment build up at curb--less than last month--still needs attention. Site representative was notified in May /July and again in September and is aware of situations. CA's will remain open. Site grading underway on east side of site. Some landscaping underway on north end of project site. Sand delta at wetland needs to be removed. Slope to wetland not covered or stabilized. Site personnel is aware of conditions. No change in status of wetland work. Terry Jeffery was notified.	
<b>2017-026</b>	<b>6135 Ridge Road</b>	<b>2019-10-23</b>
	No change since last monthly inspection.	
<b>2017-029</b>	<b>Tweet Pediatric Dentistry - Private - Commercial/Industrial 7845 Century Blvd. Chanhassen, MN 55317</b>	<b>2019-10-23</b>
	No change since last month's inspection. Site representative was notified (July and again in September) about catch basin protection and bio-roll removal.	
<b>2017-030</b>	<b>Elevate - Private - Commercial/Industrial 12900 Technology Drive Eden Prairie, MN 55344</b>	<b>2019-10-23</b>
	No change since last monthly inspection.	
<b>2017-031</b>	<b>Lion's Tap - Private - Commercial/Industrial 16180 Flying Cloud Drive Eden Prairie, MN 55347</b>	<b>2019-10-23</b>
	Construction continues. BMP's installed.	
<b>2017-032</b>	<b>11193 Bluestem Lane - Government - Other 11193 Bluestem Lane Eden Prairie, MN 55347</b>	<b>2019-10-23</b>
	Site is stable. Vegetation is established. All temporary BMP's have been removed. This will be last field inspection for this permit.	
<b>2017-038</b>	<b>West Park - Private - Residential 760&amp; 781 Lake Susan Drive 8601 Great Plains Blvd Chanhassen, MN 55317</b>	<b>2019-10-23</b>
	No change since last month. Construction continues. Street installation on north and south side completed. Rock entrance installed on south side and to individual house sites continues. Perimeter control installed. Catch basin protection installed. BMP's look good. Additional silt fences have been installed. Bare soils that are not being worked have been stabilized. Landscaping at some sites underway or completed. Street sweeping was underway during inspection. BMP's look good.	

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<b>2017-039</b>	<b>Mission Hill Senior Living - Private - Residential</b> <b>8600 Grate Plains Boulevard Chanhassen, MN 55317</b> No change since last month. Construction continues. BMP's installed look good. Site perimeter control installed. Catch basin protection installed. South swale has been stabilized. Areas of final grading still underway. Minor tracking to onsite.	<b>2019-10-23</b>
<b>2017-047</b>	<b>Fawn Hill - Private - Residential</b> <b>7240 Galpin Road Chanhassen, MN 55331</b> <b>Open CA(s): No silt fence at pond. Unstable soils. No rock entrance. Tracking to street. Deadline: 10/30/2019</b>  Construction continues at additional house sites. Perimeter silt fences installed and additional silt fences installed where needed. BMP's to date look good with exception of one location: current house site needs silt fence at pond edge and bare soils covered--CA opened. Site representative was notified.	<b>2019-10-23</b>
<b>2017-069</b>	<b>Scheels Redevelopment - Private - Commercial/Industrial</b> <b>8301 Flying Cloud Dr. Eden Prairie, MN 55344</b> BMP's installed. Construction continues. Parking lot to west is complete. Work on main parking lot is underway. Minor tracking on south side observed. BMP's look good to date.	<b>2019-10-23</b>
<b>2017-072</b>	<b>O'Reilly Auto Parts Eden Prairie - Private - Commercial/Industrial</b> <b>8868 AZTEC DRIVE Eden Prairie, MN 55347</b> <b>Open CA(s): No catch basin protection/site side of road. Silt fence down. Rock entrance inadequate. Deadline: 11/2/2019</b>  Construction continues. Perimeter control installed. Site has been cleared. Site rock entrance installed. Inlet protection installed but must have been removed. BMP's good. CA opened for no catch basin protection/ silt fence down/ inadequate rock entrance. Site representative was notified-September/2019.	<b>2019-10-23</b>
<b>2017-073</b>	<b>Preserve Village - Private - Residential</b> <b>9625 Anderson Lakes Pkwy Eden Prairie, MN 55344</b> No change since last month's inspection. Construction of building complete. Landscaping is complete. All temporary BMP's have been removed except catch basin protection still installed at one location--missed during removal. Vegetation growing. Site representative was notified about removal of catch basin protection-Sept./2019.	<b>2019-10-23</b>
<b>2018-001</b>	<b>Panera - Private - Commercial/Industrial</b> <b>531 W. 79th Street Chanhassen, MN 55317</b> Construction complete. Filtration basin completed --appears to be functional. Vegetation established. Final landscaping completed. All temporary BMP's have been removed. Site is stable. This will be last field inspection for this permit.	<b>2019-10-23</b>

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<b>2018-004</b>	<b>903 Lake Drive Chanhassen - Government - Other 903 Lake Drive Chanhassen, MN 55317</b>	<b>2019-10-23</b>
	No change since last monthly inspection. Construction completed. BMP's installed. Site is in good condition. All soils covered. Site is stable. Site representative was contacted about temporary BMP removal.	
<b>2018-014</b>	<b>Eden Prairie Road Reconstruction</b>	<b>2019-10-23</b>
	Construction continues on roadway. Road closed on north end. Additional silt fences installed on slope where old roadway existed. All slopes have been recently spray-tac'd or covered with matting. Steep slopes covered with matting. BMP's installed look good. Road bed and curb/gutter installed.	
<b>2018-016</b>	<b>Avienda - Private - Commercial/Industrial SW corner of Powers and Lyman Boulevard Chanhassen, MN 55317</b>	<b>2019-10-23</b>
	No activity observed to date.	
<b>2018-025</b>	<b>Magellan Pipeline UCD Dig 8 through 12</b>	<b>2019-10-23</b>
	No change since last inspection. Work halted until fall-winter 2019.	
<b>2018-027</b>	<b>MAMAC - Private - Commercial/Industrial 8189 Century Boulevard Chanhassen, MN 55317</b>	<b>2019-10-23</b>
	No change since last inspection. Construction continues. Perimeter control silt fence installed. Temporary BMP's installed. BMP's are good.	
<b>2018-028</b>	<b>Oak Point Elementary School Parking Lot - Government - Other 13400 Staring Lake Parkway Eden Prairie, MN 55347</b>	<b>2019-10-23</b>
	Construction continues. Perimeter controls in place. Rock entrance installed. Catch basin protection installed. BMP's to date look good.	
<b>2018-034</b>	<b>Basin 05-11-A Cleanout - Government - Other Corner of Sequoia and Ginger Eden Prairie, MN 55346</b>	<b>2019-10-23</b>
	No change since last monthly inspection. Robert Ellis-site representative stated that this work will begin in 2019- contacted Robert Ellis again--work should start late 2019-early 2020. No activity observed to date.	

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<b>2018-038</b>	<b>Eden Prairie Senior Living - Private - Residential 8460 Franlo Rd Eden Prairie, MN 55344</b>	<b>2019-10-23</b>
	No change since last monthly inspection. Construction continues. Perimeter control installed and updated in areas. Corrective Action opened for west side- silt fence maintenance required/sediment in parking areas clean up. Site representative was notified- September/2019.	
<b>2018-039</b>	<b>Emerson Site Improvements - Private - Commercial/Industrial 12001 Technology Drive Eden Prairie, MN 55344</b>	<b>2019-10-23</b>
	Construction completed. Area near garage has been graded and seeded-vegetation is established. Storm water detention pond installed and vegetation is established. All temporary BMP's have been removed. Site is stable. This will be last field inspection for this permit.	
<b>2018-041</b>	<b>Abra Auto Body - Private - Commercial/Industrial 13075 Pioneer Trail Eden Prairie, MN 55347</b>	<b>2019-10-23</b>
	Construction continues. Final grading underway. Parking lot paving underway. BMP's good.	
<b>2018-043</b>	<b>Control Concepts - Private - Commercial/Industrial 8077 Century Boulevard Chanhassen, MN 55317</b>	<b>2019-10-23</b>
	Construction continues. Site grading continues. Perimeter silt fence installed. BMP's to date look good.	
<b>2018-044</b>	<b>Smith Village - Private - Residential 16389 Glory Lane Eden Prairie, MN 55344</b>	<b>2019-10-23</b>
	Demolition completed. BMP's installed. Earthwork underway.	
<b>2018-047</b>	<b>Peterson Borrow Site - Private - Commercial/Industrial 15900 Flying Cloud Drive Eden Prairie, MN 55347</b>	<b>2019-10-23</b>
	BMP's in place. Pit appears to be done being used. Soils in areas have been spray-tac'd. Entrance installation underway.	
<b>2018-049</b>	<b>D'Alessandro Home - Existing Single-Family 18702 Heathcote Dr Deephaven, MN 55391</b>	<b>2019-10-23</b>
	Construction complete. Landscaping completed. CA closed. Final landscaping/grading completed. Vegetation established. Site is stable. All temporary BMP's have been removed. This will be last field inspection for this permit.	
<b>2018-050</b>	<b>Eden Prairie Cemetery - Private - Commercial/Industrial 8810 Eden Prairie Road Eden Prairie, MN 55437</b>	<b>2019-10-23</b>
	Vegetation established. Site is stable. All temporary BMP's have been removed. This will be last field inspection for this permit.	

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<b>2018-052</b>	<b>HCRRA Culvert Replacement - Government - Linear Hennepin County Wayzata and Deephaven, MN 55401</b> No change since last monthly inspection. Construction complete. BMP's installed. Vegetation growing observed and filling in; some bare areas of no growth-matting is protecting bare soils. Site is stable.	<b>2019-10-23</b>
<b>2018-053</b>	<b>Roberts Residence - Existing Single-Family 5925 Ridge Road Shorewood, MN 55331</b> Construction complete. Driveway installation completed. Site is stable. All temporary BMP's have been removed. This will be last field inspection for this permit.	<b>2019-10-23</b>
<b>2018-055</b>	<b>Park Trail Improvement Project - Government - Other 1700 W. 98th Street Bloomington, MN 55431</b> No change since last monthly inspection. Construction complete. Grading and seeding complete. BMP's in place. Vegetation established. Bio-rolls onsite have been removed. Small area of bare soil across from Oregon Ave. --could use a reseeding--trail at Sunrise Park has bare areas at both entrances/ catch basin protection still in place at one location on west side---site representative was notified-August/2019.	<b>2019-10-23</b>
<b>2018-056</b>	<b>Bluff Creek Restoration - Government - Other Liberty on Bluff Creek, Outlot B Audubon Road Chanhassen, MN 55317</b> Site access completed. Brushing and tree removal. Rock entrance installed. No BMP's installed to date.	<b>2019-10-23</b>
<b>2018-058</b>	<b>Walker Home - Existing Single-Family 9108 Stephens Pointe Eden prairie, MN 55347</b> <b>Open CA(s): Uncovered slope. Silt fence overtopping. Sediment runoff to lake thru neighbors path to dock access. See photos. Deadline: 11/6/2019</b>  New CA updates see photos. Silt-fence 50% full from rainfall. Neighbors path to lake washed out and silt filled to lake. CA open ed for slope not covered. Site representative is aware of situation. Ryan: 651-398-3622. Same as last month.	<b>2019-10-23</b>
<b>2018-059</b>	<b>Mason Point Landscaping - Existing Single-Family 15363 Mason Pointe Eden Prairie, MN 55347</b> No change since last monthly inspection. Construction continues. BMP's installed.	<b>2019-10-23</b>

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<b>2018-060</b>	<b>Loichinger Residence - Existing Single-Family 16396 Stratus Court Eden Prairie, MN 55347</b> Construction continues. Perimeter silt fence installed. Biorolls installed where needed on front side on site. Minor tracking at curb-downstream. Driveway installed/some site grading continues along with final landscaping.	<b>2019-10-23</b>
<b>2018-061</b>	<b>McCoy Lake Inlet Sediment Removal - Government - Other Mitchell Road and Cumberland Road Eden Prairie, MN 55347</b> No change since last monthly inspection. Access to site completed. No BMP's installed to date. No construction to date.	<b>2019-10-23</b>
<b>2018-062</b>	<b>Lower Riley Creek Stabilization Project - Government - Other Ridge on Riley Creek, Outlot A Eden Prairie, MN 55344</b> Work delayed until fall-winter 2019.	<b>2019-10-23</b>
<b>2018-066</b>	<b>Castle Ridge Redevelopment - Private - Residential 615-635 Prairie Center Drive Eden Prairie</b> No activity observed to date.	<b>2019-10-23</b>
<b>2018-067</b>	<b>Hennepin Co Library - Eden Prairie Branch Refurb - Government - Other 565 Prairie Center Drive Eden Prairie, MN 55344</b> No change since last monthly inspection.	<b>2019-10-23</b>
<b>2018-068</b>	<b>DriSteem Warehouse Expansion - Private - Commercial/Industrial 14949 Technology Drive Eden Prairie, MN 55344</b> No change since last monthly inspection.	<b>2019-10-23</b>
<b>2018-071</b>	<b>Minnetonka High School Lacrosse Field - Government - Other 18301 Highway 7 Minnetonka, MN 55422</b> Construction complete. BMP's removed. Sod installed. Vegetation established. Site is stable. This will be last field inspection for this permit.	<b>2019-10-23</b>
<b>2018-072</b>	<b>Hyland Park Parking Lot Improvements - Government - Other 10145 E Bush Lake Rd Bloomington, MN 55438</b> No changes since last inspection.	<b>2019-10-23</b>
<b>2018-073</b>	<b>Preserve Boulevard - Government - Linear Preserve Boulevard Eden Prairie, MN 55344</b> Construction continues. Minor tracking on onsite due to grading work underway. BMP's good.	<b>2019-10-23</b>

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<b>2018-074</b>	<b>Eden Prairie Ground Storage Reservoir - Government - Other Eden Prairie Road Eden Prairie, MN 55344</b> Earthwork continues . Perimeter control installed. BMP's to date are good. Soils covered in plastic or with spray-tac.	<b>2019-10-23</b>
<b>2019-001</b>	<b>Park-Galpin Nelson Property - Private - Residential 7141 Galpin Blvd Chanhassen, MN 55317</b> Grading continues. Perimeter silt fence installation complete BMP's to are good. Site access is limited due to roadway and underground utilities installations.	<b>2019-10-23</b>
<b>2019-003</b>	<b>Stable Path - Private - Residential 9650 Stable Path Eden Prairie, MN 55347</b> No change since last monthly inspection.	<b>2019-10-23</b>
<b>2019-007</b>	<b>Beverly Hill - Private - Residential 16540 Beverly Drive &amp; 9800 Eden Prairie Road Eden Prairie, MN 55347</b> Construction continues. Perimeter controls installed. Site grading completed and roadway construction completed. BMP's to date look good.	<b>2019-10-23</b>
<b>2019-008</b>	<b>Staring Lake Pavilion - Government - Other 14800 Pioneer Trail Eden Prairie, MN 55347</b> Construction complete. Site perimeter control removed. Final grading completed and sod installed. Parking lot work underway. BMP's are good to date.	<b>2019-10-23</b>
<b>2019-011</b>	<b>Westwind Plaza - Private - Commercial/Industrial 4795 County Rd. 101 Minnetonka, MN 55345</b> No activity observed to date.	<b>2019-10-23</b>
<b>2019-017</b>	<b>Pawnee Drive - Existing Single-Family 6650 Pawnee Dr. Chanhassen, MN 55317</b> Catch basin protection area needs clean up along with street-- Corrective Action remains open. Site has been landscaped and is stable. No change since last month.	<b>2019-10-23</b>
<b>2019-018</b>	<b>Deerwood Drive - Existing Single-Family 6657 Deerwood dr Chanhassen, MN 55317</b> Heavy sediment runoff from site. Site still needs attention to control runoff during heavy rainfall events and after each rainfall event. Corrective Action remains opened. See photos in 2019-017 Permit (Pawnee Dr.). Both sites share same drainage and contribute to runoff issues. No change since last month.	<b>2019-10-23</b>

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To: RPBCWD Board of Managers  
From: Dave Melmer  
Subject: October 23, 2019—Erosion Inspection  
Date: October 30, 2019  
Page: 10

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<b>2019-019</b>	<b>Sheldon Place - Private - Residential</b> <b>7960 Eden Prairie Rd Eden Prairie, MN 55347</b> Demolition and site clearing underway. No BMP's installed to date.	<b>2019-10-23</b>
<b>2019-022</b>	<b>Woodcrest Place - Private - Residential</b> <b>17170 Beverly Drive Eden Prairie, MN 55347</b> No construction activity observed to date.	<b>2019-10-23</b>
<b>2019-023</b>	<b>Minnetonka Library - Government - Other</b> <b>17524 Excelsior Blvd. Minnetonka, MN 55345</b> Perimeter control installed. Biorolls in place. Construction continues. BMP's installed and look good. Tracking to street observed--clean up underway at time of inspection.	<b>2019-10-23</b>
<b>2019-024</b>	<b>Conifer Heights - Private - Residential</b> <b>5615 Conifer Trail 5616 Mahoney Ave Minnetonka, MN 55345</b> No activity observed to date.	<b>2019-10-23</b>
<b>2019-026</b>	<b>Ridgewood Church Parking Lot</b> <b>4420 County Road 101 Minnetonka, MN 55345</b> Construction continues. Perimeter controls installed. BMP's installed.	<b>2019-10-23</b>
<b>2019-032</b>	<b>West 79th St Chanhassen Parking Lot - Government - Other</b> <b>Unassigned - W. 79th St and Markett Blvd Chanhassen, MN 55317</b> Construction has begun. BMP's installed.	<b>2019-10-23</b>

Please contact me at 952.832-2687 or [dmelmer@barr.com](mailto:dmelmer@barr.com) if you have questions on the projects listed above or any additional items that need to be addressed for the erosion control inspections.

## RPBCWD September Staff Report

Administration		Staff update	Partners
<b>Accounting and Audit</b>	Coordinate with Accountant for the development of financial reports. Coordinate with the Auditor. Continue to work with the Treasurer to maximize on fund investments.	Financials were submitted to Treasurer and Accountant, and has been processed for this month.	
<b>Annual Report</b>	Compile, finalize and submit an annual report to agencies	<b>Task Completed.</b>	
<b>Internal Policies</b>	Work with Governance Manual and Personnel Committees to review bylaws and manuals as necessary	The Governance Committee has met. This is an agenda item in your packet.	
<b>Advisory Committees</b>	Engage with the Technical Advisory Committee on water conservation, chloride management and emerging topics Engage with the Citizen Advisory Committee on water conservation, annual budget and emerging topics. Facilitate recruitment of CAC members for 2019.	The CAC met for their regular monthly meeting October 21. Draft CAC minutes are included in the packet. Staff Jeffery met with members of the CAC on Sunday, October 27 to visit the Pioneer Trail wetland restoration project site. Some members of the TAC have provided comments on the proposed rule revisions. Staff will compile comments and prepare responses for the managers consideration at the December meeting.	
<b>MAWD</b>		Save the Data: Legislative Days are March 18-19, 2020 Resolutions all are moving to the floor for discussion at the annual meeting. The resolutions that were submitted and were already a MAWD policy will not be moving to the floor.	

		<p>Both RPBCWD Resolutions were not supported by committees. The committee believed that both resolutions was outside the purview of the watershed district. Departments of Health and of Agriculture are best suited for addressing Pesticide use and that a system exists for municipal and county ordinances to address.</p> <p>It is anticipated that MAWD will be sending a comprehensive packet out to WD by the end of October so that boards can review and discuss. Resolutions can be amended at the MAWD meeting when they are being reviewed on the floor.</p> <p>MAWD packet is included in this months board packet.</p>	
<b>Membership</b>		No new updates.	
<b>District-Wide</b>			
<b>Regulatory Program</b>	<p>Review regulatory program to maximize efficiency.</p> <p>Engage Technical Advisory Committee and Citizen Advisory Committee on possible rule changes.</p> <p>Implement regulatory program.</p>	<p>4 permit applications received.</p> <p>2 permits have been issued administratively. One for a pool greater than 500 feet from a water feature and one for drainage improvements by Eden Prairie that only triggered Rule C</p> <p>5 Applications are currently under review.</p> <p>One of the permit applications submitted was for new home construction on Spring Lane in Minnetonka. This is part of the Saville West (2015-036) project which was conditionally approved in February, 2019. As none of the conditions were met, no permit can be issued. Staff Jeffery and Engineer Sobiech met with Minnetonka Engineering staff to discuss the issues. The plat approved by Minnetonka is</p>	

		<p>not consistent with the project approved by the board.</p> <p>Upon further discussions with legal counsel, it was determined that LMRWD lacked equal protections for water resources and it was not, therefore, possible to waive permitting of the TH 101 project to LMRWD. Staff Jeffery and Engineer Sobiech met with the design team for the project to help expedite their application process.</p> <p>Staff Jeffery and Engineer Sobiech met with an engineer from HTPO to discuss Eden Ridge, a single family residential subdivision on Valley View Rd prior to submittal of their application.</p> <p>Staff Jeffery had a conference call with Counselor Welch and MCWD staff to discuss a joint powers agreement allowing MCWD to permit TH 5 trail project and the Powers Blvd turn lanes.</p> <p>Staff Jeffery met with staff from MCWD to compare where special provisions might be needed within the JPA to address inconsistencies between regulations.</p> <p>Staff Jeffery, Administrator Bleser, and Engineer Sobiech met to discuss additional improvements to the efficiencies of the regulatory program as we approach completion of current rule revision.</p>	
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		<p>Staff Jeffery is working with a property owner on Lotus Lake to address shoreline erosion and concern about the cause of the erosion and potential solutions. This will likely prompt further discussion with the board.</p> <p>Houston Engineering (HEI) has updated their MS4Front software application and, in a recent meeting with Staff Jeffery, stated that they feel they have built in the functionality needed to address the District's permit program needs and will no longer require the involvement of Capital Region Watershed District as a 3rd party. HEI is updating their scope.</p>	
<p><b>Aquatic Invasive Species</b></p>	<p>Review AIS monitoring program  Develop and implement Rapid Response Plan as appropriate  Coordinate with LGUs and keep stakeholders aware of AIS management activities.  Manage and maintain the aeration system on Rice Marsh Lake as per the Riley Chain of Lakes Carp Management Plan.  Review AIS inspection program.  Keep abreast in technology and research in AIS.  2019 zebra mussel veliger testing.</p>	<p>Brittle Naiad scans were completed on Lake Ann and Lotus Lake. On both lakes, the plant was found at locations seen in 2018, however, the density of plants seemed to be reduced in both lakes. This may have occurred due to reduced water clarity.</p> <p>On Thursday, October 24th, staff, along with staff from the MN DNR and Carver County, conducted a zebra mussel scan of docks and shoreline around Lotus Lake. Staff found several zebra mussels shell fragments and a full adult mussel in the sediment on a footing of a dock that was pulled onto shore (this dock was located on the shore of the NE bay of the lake). No rapid response can be conducted due to the signs of reproductions (veligers), proof of adult zebra mussels and the spatial separation between these sampling points indicating a widespread</p>	<p>City of Chanhassen  City of Eden Prairie  University of Minnesota  MN DNR  Carver County</p>

		<p>presence. Zebra mussel monitoring plates will be picked up this coming month. The second zebra mussel veliger sampling event on Riley yielded a large number of veligers.</p> <p>Carp monitoring: In the Purgatory Creek Recreational Area (PCRA) only 5 young of the year carp were captured during 24-hour fyke net surveys. This indicates a low recruitment year. A large number of adult carp captured during electrofishing transects conducted on the Upper PCRA. This indicates carp did not return to Staring Lake despite the barrier being out for multiple weeks this summer/spring. No YOY carp were captured in other lakes and adult carp populations remained similar to last year. Bluegills in both Rice Marsh and Lucy appear to be doing well and are recovering nicely after the most recent winterkills.</p>	
<b>Cost-Share</b>	<p>Review program to determine efficiencies and needs.  Recommend modification as necessary.  Review applications and recommend implementation.</p>	<p>The Stewardship Grant Review committee met September 16th to and reviewed a hypothetical bee lawn grant application to determine how it would fit into the cost share program. The committee determined that, although not a high scoring grant, with the incorporation of low/no mow fescues, there is a water quality benefit as well which increases the score to a fundable level. This was discussed at the September CAC meeting and a motion was made recommending that bee lawns be considered for stewardship grant funding. This was confirmed at the October CAC meeting.</p>	<p>Carver County Soil and Water Conservation District</p>

		<p>Although the grant season has ended, Staff Jeffery has asked the Stewardship Grant Review Committee to meet for an undetermined, but expectedly few additional times to discuss the first year of the scoring system and if modifications are warranted.</p> <p>B Lauer has been working with Seth Ristow from Carver County SWCD to perform site visits and has been assisting with the Review Committee.</p> <p>B Lauer will work to make appropriate revisions and updates to program and materials during the off season.</p> <p>B Lauer has been meeting with grant staff at other Watershed Districts and Watershed Management Organizations to learn best practices.</p>	
<b>Data Collection</b>	<p>Continue Data Collection at permanent sites. Identify monitoring sites to assess future project sites.</p>	<p>Staff have finished all creek monitoring and lake monitoring sampling events for the season/year. Macroinvertebrate sampling took place on Purgatory Creek during October. Staff visited each Purgatory Creek regular sampling site once and collected macroinvertebrate samples along a transect, along with regular water samples and flow measurements. The macroinvertebrate samples will be sent to a lab for species and abundance analysis to help determine biological health of the creek. Bluff Creek is the next stream on the macroinvertebrate sampling rotation and will be sampled next year.</p>	<p>Metropolitan Council</p> <p>City of Eden Prairie</p> <p>University of MN</p> <p>City of Chanhassen</p>

		<p>Assisted Chanhassen with CAMP program on Lake Susan.</p> <p>Staff finalized the collection of samples from the auto sampling units on upper Bluff Creek under Galpin, and on Riley Creek under Powers this season. They did not collect any further samples in October. Staff will assess the pollutant loads and evaluate if future creek restoration is needed.</p> <p>WOMP stations: Continued bi-weekly sampling of the station.</p> <p>Sample collection for the pond project is complete for the season. All EnviroDIY stations for the pond project were pulled during October.</p> <p>Spent lime column testing-continuous water pumping through the media and the use of plaster sand was completed. The data is being used to guide enhancements to the current spent lime treatment system on Lake Susan.</p> <p>Regular carp monitoring was finalized this month (see Above: Aquatic Invasive Species).</p> <p>Service Learning students from the U of M are continuing to volunteer with data collection staff this month and will continue through the fall semester.</p>	
<p><b>District Hydrology and Hydraulics Model</b></p>	<p>Coordinate maintenance of Hydrology and Hydraulics Model.</p> <p>Coordinate model update with LGUs if additional information is collected.</p> <p>Partner and implement with the City of Bloomington on Flood Evaluation and Water Quality Feasibility.</p>	<p>No new updates.</p>	<p>City of Bloomington</p>

<p><b>Education and Outreach</b></p>	<p>Implement Education &amp; Outreach Plan, review at year end.          Manage partnership activities with other organizations.          Coordinate Public Engagement with District projects.</p>	<p>Staff Swope and GreenCorps member Bakkum visited a Kindergarten class at Cedar Ridge Elementary School on October 1st. They conducted a hands-on lesson on aquatic macroinvertebrates and water quality.          Staff Swope and Lauer worked with all Cedar Ridge Elementary 3rd graders on September 3rd, leading an AIS Junior inspector activity and teaching about the issues that aquatic invasive species can present.          Master Water Stewards: the 2018/19 cohort of stewards officially graduated in an October 8 ceremony. Congratulations! The new group of master water stewards attended their first class on October 15, and attended a watershed tour on October 19th.          Staff Swope and Lauer and Intern Holstine visited Eden Lake Elementary to work with 90 first-grade students. The students participated in a series of activities to explore their pond and learn about some of the animals that live there.          Adopt-a-dock volunteers have returned plates for the season. Lake Riley continues to be the only lake in which volunteers have found zebra mussels on their plates.          Staff Swope and Lauer worked with all 5th grade classes at St. Hubert's Catholic School, leading hands-on activities to help students understand watersheds, pollution, and how water moves throughout the environment.          The District hosted a Smart salting for Property Managers course on October 17th.</p>	<p>Master Water Stewards: Freshwater Society, Nine Mile Creek Watershed District (tour partner)</p> <p>Smart Salting Courses: MPCA (funding), Fortin Consulting</p> <p>Adopt a drain: City of Eden Prairie, City of Minnetonka, City of Bloomington, Hamline University, Nine Mile Creek Watershed District</p>
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		<p>The District hosted a Smart Salting for Roads course on October 23rd.</p> <p>Staff Swope and Lauer visited Cedar Ridge Elementary school on October 29th to work with all four second-grade classes. Students explored their outdoor learning center, completed a scavenger hunt, and practiced their observation skills.</p> <p>Applications for Educator and Action grants continue to be received, reviewed, recommended, and processed.</p> <p>Community members continue to sign up to adopt storm drains and keep them clear of leaves, dirt, and other debris through the Adopt-a-drain.org partnership.</p>	
<b>Green Corp Update</b>		<p>GreenCorps Member Bakkum has gained more knowledge about water resources specific to her 3 core work plan elements, chlorides, steep slopes and community engagement. She has connected with others on all three core areas and is currently developing programs to be implemented during her stay at the District.</p>	MPCA
<b>Groundwater Conservation</b>	<p>Work with other LGUs to monitor assess and identify gaps.</p> <p>Engage with the Technical Advisory Committee to identify potential projects.</p> <p>Develop a water conservation program (look at Woodbury model)</p>	<p>Staff Lauer has gathered information about newest trends in groundwater conservation at the MN Water Resources Conference.</p> <p>Staff Lauer is gathering data from Metropolitan Council and cities regarding current practices and needs.</p> <p>Staff Lauer has begun developing a process through which to develop a Water Conservation program.</p>	TBD

<b>Lake Vegetation Management</b>	<p>Work with the University of Minnesota or Aquatic Plant Biologist, Cities of Chanhassen and Eden Prairie, lake association, and residents as well as the Minnesota Department of Natural Resources on potential treatment. Implement herbicide treatment as needed.</p> <p>Secure DNR permits and contract with herbicide applicator.</p> <p>Lakes the District is monitoring for treatment include: Lake Susan, Lake Riley, Lotus Lake, Mitchell Lake, Red Rock Lake and Staring Lake.</p> <p>Work with Three Rivers Park District for Hyland Lake</p>	No new updates.	<p>City of Eden Prairie  City of Chanhassen  University of Minnesota  MNDNR</p>
<b>Opportunity Projects</b>	Assess potential projects as they are presented to the District	<p>Administrator Bleser has communicated grant success to the school.</p> <p>Administrator Bleser, Staff Lauer and Jeffery, and District Engineer met the The Preserve HOA to discuss green roof and the possibility of working with the HOA on a whole site demonstration.</p>	<p>St Hubert Catholic Community  Carver County Soil and Water Conservation District</p>
<b>Total Maximum Daily Load</b>	<p>Continue working with Minnesota Pollution Control Agency on the Watershed Restoration And Protection Strategies (WRAPS).</p> <p>Engage the Technical Advisory Committee.</p>	No new updates	MPCA
<b>Repair and Maintenance Grant</b>	Develop and formalize grant program.	Staff Jeffery worked with the City of Minnetonka on the possibility of partnering and repairing a purgatory creek crossing between Shorewood and Minnetonka. Unfortunately, due to certain constraints such as gas lines and MNDOT	

		classification of box culverts as bridges, thereby having more stringent requirements, a box culvert was not possible. However, they were still able to provide improved flow characteristics and wildlife passage by using larger, elliptical pipes partially buried in the substrate. As this was an emergency repair, Minnetonka is in the process of preparing an after-the-fact permit application.	
<b>University of Minnesota</b>	Review and monitor progress on University of Minnesota grant. Support Dr John Gulliver and Dr Ray Newman research and coordinate with local partners. Keep the manager abreast to progress in the research. Identify next management steps.	The core group will be meeting on November 15th to discuss findings and treatments.	Stormwater ponds partners: Bloomington, Chanhassen, Eden Prairie, Minnetonka and Shorewood Plant Management: Chanhassen Eden Prairie
<b>Watershed 50 year Anniversary</b>	Come explore with us! Finalize anniversary program for 2019. Implement anniversary events.	All community art project panels have been completed, and will be unveiled at an end-of-year “Evening With the Watershed” celebration on December 3rd.	
<b>Watershed Plan</b>	Review and identify needs for amendments.	Rules Public Hearing is scheduled for November 6.	
<b>Wetland Conservation Act (WCA)</b>	Administer WCA within the Cities of Shorewood and Deephaven. Represent the District on Technical Evaluation Panel throughout the District	No WCA application were received forDeephaven. No WCA applications have been received in Shorewood. A notice of application for wetland boundary and type determination was received from the City of Chanhassen for the MN River Bluffs LRT	City of Shorewood City of Deephaven City of Chanhassen City of Eden Prairie MCWD BWSR DNR

		<p>Regional Trail and for the lot east of the water treatment facility on TH 5 NW of the intersection with CSAH 101 North.</p> <p>Staff Jeffery has been providing technical advice to Staff from Chanhassen in the interim until a new WRC is found. Most recently, he has been working with Chanhassen Staff on a property on Lotus Lake.</p>	ACOE
<b>Wetland Management</b>	Identify potential restoration/rehabilitate wetlands and wetland requiring protection.	<p>Field work has finished for the year and Chanhassen has been completed.</p> <p>Staff Jeffery is working with interns to migrate data from MS Excel and field notes to MNRAM 3.1 for MS Access.</p>	City of Chanhassen MNDNR
<b>Hennepin County Chloride Initiative</b>	<p>Phase 1: Develop a plan to target commercial and association-based sources or chloride pollution - businesses, malls, HOAs, property management companies and the private applicators that they hire. We will hire a consultant to facilitate focus groups with private applicators, as well as those that execute contracts with private applicators. These focus groups will help identify needs and barriers for our target audience. The consultant will compile information into a plan for implementation.</p>	<p>The survey was distributed and we have over 60 respondents. Administrator Bleser will be working with our Qualitative researched to finalize findings and present these at the MAWD conference and to the partnership. The HCCI also has approved going forward in the development of formalized guide for property managers. The partnership will use 10K from the grant and RPBCWD, NMCWD and LMRWD will be contributing financial dollars. The board packet includes a recommendation to go forward with the contract with Fortin Consulting who will be developing this guide.</p>	
<b>Lower Minnesota Chloride Cost-Share Program</b>	The Lower Minnesota River Watersheds are coming together to offer cost-share grants.	The program is anticipated to restart after the december initiative meeting.	

<b>Bluff Creek One Water</b>			
<b>Chanhassen High School Re-use</b>	Continue to work with all partners. Complete site restoration and start system. Finalize and implement E and O for project. Monitor Project.	Staff met on-site to troubleshoot the frequent alarming that was occurring at the reuse facility. The problem was identified (a check valve that was not opening so the UV treatment could be cooled) and repaired. We anticipate closing the project at the October board meeting.	ISD 212 City of Chanhassen Metropolitan Council
<b>Bluff Creek Tributary Restoration</b>	Implement and finalize restoration. Monitor Project.	Due to the rainy weather some of the work for the restoration is taking longer than anticipated but work is moving forward.	City of Chanhassen
<b>Wetland Restoration at 101</b>	Remove 3 properties from flood zone, restore a minimum 7 acres and as many as 16 acres of wetlands, connect public with resource, reduction of volume, rate, pollution loads to Bluff Creek	Grant reimbursement has been submitted for the home purchase. Quotes have been solicited from three contractors and received from two for the demolition of the homes at 730 and 750 Pioneer Trail, the abandonment of wells and septic, the removal of driveways and foundations, and grading and stabilization of the site. This work is eligible for reimbursement under the Flood Hazard Mitigation Grant.	City of Chanhassen MN DNR
<b>Riley Creek One Water</b>			
<b>Lake Riley Alum</b>	Continuing to monitor the Lake.	No updates	
<b>Lake Susan Improvement Phase 2</b>	Complete final site stabilization and spring start up. Finalize and implement E and O for project. Monitor Project.	System is winterized.	City of Chanhassen Clean Water Legacy Amendment
<b>Lower Riley Creek Stabilization</b>	Coordinate agreement and acquire easements if needed for the restoration of Lower Riley Creek reach D3 and E. Implement Project.	Updated postcard to residents was sent to remind them that the project is about to start.	City of Eden Prairie Lower MN River Watershed District

	Continue Public Engagement for project and develop signage of restoration.		
<b>Rice Marsh Lake Alum Treatment</b>	Continuing to monitor the Lake.	No updates.	City of Eden Prairie City of Chanhassen
<b>Rice Marsh Lake Watershed Load Project 1</b>	Conduct feasibility. Develop cooperative agreement with City of Chanhassen	Staff Jeffery and District Engineer Sobiech met with City of Chanhassen staff to discuss limitations and potential BMP locations.	City of Chanhassen
<b>Upper Riley Creek</b>	Work with City to develop scope of work (in addition to stabilizing the creek can we mitigate for climate change) Conduct feasibility Develop cooperative agreement with the City of Chanhassen Order Project Start design	Discussion of this project will be on hold till the new water resources coordinator is hired. No changes.	City of Chanhassen
<b>Purgatory Creek One Water Berm</b>			
		The District and the City met to discuss the Berm. The City would like the District to take on the project and have identified further wants. Staff is scheduling a meeting with USACOE, DNR and City to identify limitations and options as scope of project might differ from original permit.	
<b>Duck Lake Water Quality Project</b>	Work with the City to implement neighborhood BMP. Identify neighborhood BMP to help improve water resources to Duck Lake. Implement neighborhood BMPs.	Raingarden agreements were sent to homeowners. Final rain barrels were distributed.	City of Eden Prairie

<b>Hyland Lake Internal Load control</b>	Implement Hyland Lake Alum application.	Project is complete.	Three Rivers Park District City of Bloomington
<b>Lotus Lake – Internal Load Control</b>	Monitor treatment and plant populations.	No updates.	
<b>Scenic Heights</b>	Continue implementing restoration effort. Work with the City of Minnetonka and Minnetonka School District on Public Engagement for project as well as signage.	Staff will be evaluating site this fall and continues to coordinate with school. In October, all surviving trees from the gravel bed nursery were planted in the School Forest.	Minnetonka Public School District City of Minnetonka Hennepin County
<b>Silver Lake Restoration</b>	Order project Design Project Work with the City of Chanhassen for Design, cooperative agreement and implementation	Delayed until new city staff are on board.	City of Chanhassen
<b>Professional Development</b>			
<b>Water Resources Conference</b>	Administrator Bleser was part of a quick pannel with Minnesota Pollution Control Agency to discuss Chloride pollution. Staff Jeffery attended to keep up with wetland delineation certification. B Lauer attended the sessions focused on groundwater conservation and GreenCorps member Bakkum attended to further deepen knowledge on water resources.		
<b>Project Learning Tree</b>	Staff Swope and Lauer attended a 1-day “Project Learning Tree” workshop at the Science Museum of Minnesota. The workshop focused on bringing nature into the classroom, and students out into nature. It included a variety of resources and activity plans for students of all ages.		

## MEMORANDUM

TO: RPBCWD Board of Managers

FROM: Terry Jeffery, Watershed Planning Manager

RE: Quotes for removal of homes at 730 and 750 Pioneer Trail, Chanhassen

DATE: November 6, 2019

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Quotes were solicited for the removal of the homes and driveways as well as the abandonment of wells and removal of septic systems at 730 and 750 Pioneer Trail. This is necessary to prepare the sites for the upcoming wetland restoration.

Two quotes were submitted. Both quotes included septic and well abandonment, structure and pavement removal, site grading and erosion prevention and sediment control. Olson included permitting costs which would be additional for the Minger quote. This work is reimbursable under the DNR Flood Hazard Mitigation Grant. The quotes are summarized in the following table.

<b>Contractor</b>	<b>Quote</b>
Minger Construction Company	\$63,767.50
Olson Construction Company	\$56,090.00

Staff has worked with both contractors and finds them to be qualified bidders. Based upon the submitted quotes, staff is recommending that the contract be awarded to Olson Construction Company and that Smith Partners draft a form of contract for execution by the Administrator.

## Memorandum

**To:** Riley-Purgatory-Bluff Creek Watershed District Board of Managers  
**From:** Scott Sobiech, PE and Brandon Barnes, PE, Barr Engineering Co.  
**Subject:** Lake Susan Spent Lime System Modification– Recommendation to Award Project  
**Date:** October 29, 2019  
**Project:** 23270053.14 2019 115  
**c:** Claire Bleser – RPBCWD Administrator

### Requested Board Action

The engineer finds that Sunram Construction Inc. is the lowest responsible and responsive contractor providing a quote and recommends that the RPBCWD Board of Managers:

- Award the project to Sunram Construction Inc. at the bid price of \$36,712.00, including bid alternate A and B for the automated water level control structure and alternate filter media.
- Authorize the Administrator to notify the contractor of the award, as well as signing the agreement and notice to proceed on satisfaction of all conditions precedent for each.
- Authorize the Administrator to execute change orders increasing the contract price up to an aggregate total of 10% of the contract amount or adjusting the contract times as necessary to implement the project as ordered.

In 2016, an innovative spent-lime filtration system was constructed along a tributary stream draining a wetland on the south-west corner of Lake Susan, representing only the second system installed in Minnesota. Spent-lime is calcium carbonate that comes from drinking-water treatment plants as a byproduct of treating water. Instead of disposing of it, spent-lime can be used to treat stormwater runoff. When nutrient-rich water flows through the spent-lime system, the phosphorus binds to the calcium. The water flows out of the spent-lime system, leaving the phosphorus behind. This would result in improved water quality and recreational opportunities.

Observation and monitoring data collected by District staff in 2016 - 2018, indicated inconsistent system performance and periods of extended inundation, which deviated from the original design parameters.

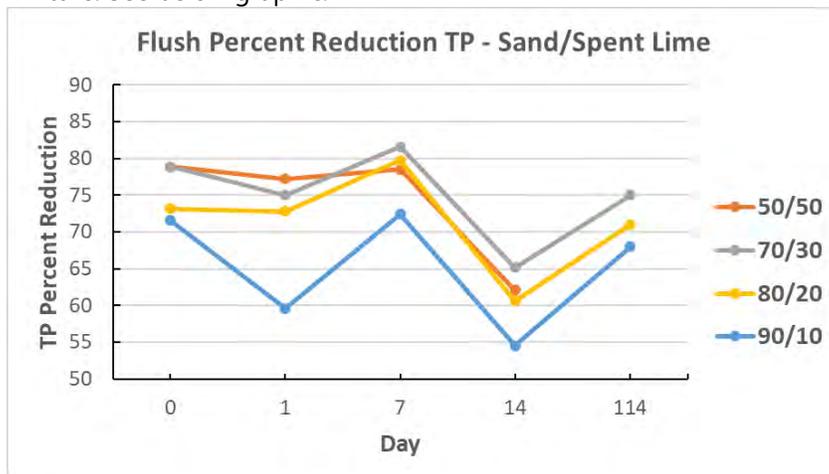
District staff worked with Barr to review monitoring data and identify potential shortcomings the system (e.g., monitoring, materials, influent, changed conditions, etc.) During 2018, it was discovered that the spent lime media appeared to be significantly restricting flow through the filter. District and Barr staff conducted field testing of the filtration capacity of the spent lime and discovered that the spent lime structure had degraded into a clay-like consistency, thus essentially preventing water from filtering through the media. The 2018 performance was discussed with the managers during the presentation of the 2018 water quality report.

In early-2019, Barr developed a bench scale testing protocol to assess potential remedial measures to improve system filtration performance and identified potential system modifications. Because the City had repaved the access trail to the system in late-2018, they are requiring that access only be performed on frozen ground to limit the potential for damaging the new trail. An alternative to working on frozen ground was for the District to pay the cost of replacing the trail. Working with the District Administrator it was decided to postpone the system modifications until the winter of 2019/2020. This afforded additional time to complete testing of several spent lime/sand mixtures over an extended period. During the summer of 2019, District staff completed laboratory column testing for mixtures of spent lime and sand. Column testing indicated that mixing spent lime with sand improves the filtration capacity of the media, while still removing phosphorus. Figure 1 is a photograph of the column testing completed by District staff during the summer of 2019. The testing revealed the following key points:



**Figure 1. Laboratory column testing of filter media completed by District staff during the summer of 2019.**

- Filtering water through sand washed to MNDOT standard specifications (washed sand) results in phosphorus export from the test columns for initial trials.
- Water filtered through the various spent lime/pool sand mixtures elevated the pH in the effluent water, thus supporting the chemical reaction to precipitate phosphorus (i.e. remove phosphorus)
- Filtration rates through the various spent lime/pool sand mixtures appears relatively unchanged after 114 days of inundation and continuous flow for 10 days did not reduce drain times.
- Initial testing of plaster sand obtained from a local pit also results in phosphorus export from the material for initial trials.
- Total phosphorus removals were generally higher the larger the content of spent lime in the mixture. See below graphic.



On September 30, 2019, a request for quotes was sent to the following six companies for the tree installation portion of the project.

1. Minger Construction
2. Rachel Contracting
3. Blackstone Contractors LLC
4. Peterson Companies
5. Sunram Construction Inc.
6. Penn Contracting Inc.

The proposed spent lime system modifications and request for quotes included:

- Replace the deteriorated spent lime with a mixture of 70% wash fine aggregate and 30% spent lime.
- Improve control of water flow. These items were considered during the 2016 design and construction but eliminated at the time as cost saving measures.
  - Add a water level control structure and valve at the inlet to allow more flexibility to adjust the inflow to the filter and improve the ability to dewater the system to take the system offline.
  - Add gates on the underdrain to allow more flexibility to adjust the residence time in the filter.
  - Replace the undrain slotted piping to minimize the plugging potential for the undrains given the revised filter media.
- Two bid alternates were also included to solicit pricing on measure in increase operational flexibility.
  - Bid Alternate A - Installation of a solar powered Agri-Drain (or approved equal) control valve to allow for the automated control and limitation of water entering the system, thus controlling the duration of inundation and drying time.
  - Bid Alternate B - Using 20/40 sand (i.e., a specialty sand gradation) instead of wash fine aggregate.

Two quotes were received by the 10:00 AM deadline on October 23, 2019. Table 1 summarizes the two quotes RPBCWD received for the 2019 Lake Susan spent lime system modification.

**Table 1. Summary of Quotes Received for the 2019 Lake Susan Spent Lime System Modification**

Bidder	Total Base Bid Entered on the Bid Form <sup>1</sup>	Total Bid with Alt A	Total Bid with Alt B	Total Bid with Alt A & B
Sunram Construction Inc.	\$32,472.00	\$36,222.00	\$32,962.00	<b>\$36,712.00<sup>2</sup></b>
Peterson Companies, Inc.	\$47,451.00	\$53,913.00	\$53,086.00	\$59,548.00

<sup>1</sup>Engineer's opinion of probable cost (OPC) ranged between \$37,200 to \$47,500 plus the additional cost of bid alternates A and B if selected.

<sup>2</sup> Engineer recommendation to award the project to Sunram Construction Inc. at the bid price of \$36,712.00, including bid alternate A and B for the automated water level control structure and alternate filter media.

**To:** Riley-Purgatory-Bluff Creek Watershed District Board of Managers  
**From:** Scott Sobiech, PE and Brandon Barnes, PE, Barr Engineering Co.  
**Subject:** Lake Susan Spent Lime System Modification– Recommendation to Award Project  
**Date:** October 29, 2019  
**Page:** 4

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If the Board of Managers decides to award the system modifications the following next steps would be completed:

- Notify the Sunram Construction Inc of the award
- Notify Peterson Companies, Inc. of the Board's decision to award to Sunram Construction Inc.
- Sunram Construction Inc. provides the following information:
  - Three fully executed counterparts of the Form of Agreement
  - Certificate of Insurance and all other required insurance documentation
  - Performance and payment bonds
- Barr Engineering will coordinate with the Sunram Construction Inc regarding the installation schedule
- The Work must begin within 10 calendar of issuance of the notice to proceed to Contractor, anticipated to issue January 2, and must be substantially complete by February 28, 2020.
- Final site restoration must be completed by May 30, 2020.

Memorandum

Re: Maintenance of Spent Lime Facility

Wednesday, October 30, 2019

Dear Managers,

In 2016, an innovative spent-lime filtration system was constructed along a tributary stream draining a wetland on the south-west corner of Lake Susan, representing only the second system installed in Minnesota. Observation and monitoring data collected by Staff in 2016 - 2018, indicated inconsistent system performance and periods of extended inundation, which deviated from the original design parameters.

Staff worked with Barr to review monitoring data and identify potential shortcomings the system (e.g., monitoring, materials, influent, changed conditions, etc.) During 2018, it was discovered that the spent lime media appeared to be significantly restricting flow through the filter. District and Barr staff conducted field testing of the filtration capacity of the spent lime and discovered that the spent lime structure had degraded into a clay-like consistency, thus essentially preventing water from filtering through the media.

Staff recommends awarding the repair of the Spent Lime Facility with the conditions stipulated in District Engineer Sobiech's memo to Sunram. Funds for this project would come directly from the Repair and Maintenance Fund.

Sincerely,



Claire Bleser

Claire Bleser  
District Administrator



October 28, 2019

President Dick Ward and Board of Managers  
Riley-Purgatory-Bluff Creek Watershed District  
14500 Martin Drive Suite 1500  
Eden Prairie, MN 55344

**Re: Scenic Heights Elementary School Forest Restoration Project – Pay Application #6  
Barr Project # 23/27-0053.14-023**

Dear President Ward and Board of Managers:

Enclosed is the Application for Payment #6 from Landbridge Ecological for work completed through 10/22/19, on the above-referenced project. Upon your review and approval, please sign three copies and return one copy to me, one copy to the contractor and retain the remaining copy for your files.

Major items of work covered by this pay application include site management and herbicide applications to control buckthorn resprouts.

Barr Engineering has reviewed the application, and is recommending payment in the amount of **\$2,500.00**. Payments shall be made directly to Landbridge Ecological at 670 Vandalia Street, St. Paul, MN 55114.

Please call me at 952-832-2649 if you have any questions or concerns about the application for payment, or about any other related matters.

Sincerely,

A handwritten signature in black ink, appearing to read "Matthew Kumka". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Matthew Kumka, PLA  
Barr Engineering Co.

c: Claire Bleser, RPBCWD  
Elissa Thompson, Landbridge Ecological

Enclosure #1 – Application for Payment – Progress Payment 6

**Scenic Heights School Forest Restoration Project  
Progress Payment Number 6**

1.0	Total Completed Through This Period	<u>\$155,022.50</u>		
2.0	Total Completed Previous Period		<u>\$52,824.50</u>	
3.0	Total Completed This Period			<u>\$2,500.00</u>
4.0	Amount Retained, Previous Period		<u>\$3,937.75</u>	
5.0	Amount Retained, This Period (See Note 1)		<u>\$0.00</u>	
6.0	Total Amount Retained		<u>\$9,961.25</u>	
7.0	Retainage Released Through This Period:			<u>\$0.00</u>
8.0	Amount Due This Period			<u><u>\$2,500.00</u></u>

Note 1: At rate of 10% until Completed to Date equals 50% of current Contract Price and a rate of 0% thereafter.

Note 2: Current Contract Price \$199,225.00

SUBMITTED BY:

Name: Elissa Thompson Date: 10/28/2019  
 Title: Project Manager  
 Contractor: Landbridge Ecological

Signature: 

RECOMMENDED BY:

Name: Matt Kumka Date: 10/28/2019  
 Title: Project Manager  
 Engineer: Barr Engineering Co.

Signature: 

APPROVED BY:

Name: Dick Ward Date: \_\_\_\_\_  
 Title: President  
 Owner: Riley-Purgatory-Bluff Creek Watershed District

Signature: \_\_\_\_\_

Scenic Heights School Forest Restoration Project  
 Riley Purgatory Bluff Creek Watershed District  
 Summary of Work Completed through October 22, 2019 for Progress Payment Number 6 (INVOICE #3016)



Item	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	BID - LANDBRIDGE ECOL		(1) Total Completed Through This Period		(2) Total Completed Through This Period		(3) Total Completed Through This Period		(4) Total Completed Through This Period		(5) Total Completed Through This Period		(6) Total Completed Through This Period	
				UNIT COST	EXTENSION	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount
1.06 A	Mobilization/Demobilization	L.S.	1	\$15,500.00	\$15,500.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	1	\$15,500.00	0	\$0.00
1.06 B	Erosion Control Construction Entrance	Each	1	\$2,500.00	\$2,500.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
1.06 C	Desirable Plant Marking for Protection	L.S.	1	\$1,750.00	\$1,750.00	1	\$1,750.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
1.06 D	Clear and Grub Woody Invasive Plant Removal (Trees under 8")	AC	7	\$4,500.00	\$31,500.00	6	\$27,000.00	1	\$4,500.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
1.06 F	Clear and Grub Woody Invasive Plant Removal (Trees over 8")	Each	40	\$450.00	\$18,000.00	33	\$14,850.00	7	\$3,150.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
1.06 H	Remove and Dispose of Adopt-A-Plots Signs	Each	30	\$85.00	\$2,550.00	30	\$2,550.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
1.06 I	Heavy Duty Silt Fence	L.F.	85	\$15.50	\$1,317.50	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
1.06 J	Erosion Control Blanket	S.Y.	125	\$5.50	\$687.50	0	\$0.00	125	\$687.50	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
1.06 K	Remove and Salvage Topsoil (P)	C.Y.	80	\$45.00	\$3,600.00	0	\$0.00	80	\$3,600.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
1.06 L	Grading	L.S.	1	\$5,900.00	\$5,900.00	0	\$0.00	1	\$5,900.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
1.06 M	Rock Riffle	Each	3	\$3,500.00	\$10,500.00	0	\$0.00	3	\$10,500.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
1.06 N	Woodland Seed Mix with Cover Crop (Custom Mix)	AC	4.7	\$2,200.00	\$10,340.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	4.7	\$10,340.00	0	\$0.00
1.06 O	Prairie Seed Mix with Cover Crop (MnDOT 35-221)	AC	1.3	\$1,950.00	\$2,535.00	0	\$0.00	0	\$0.00	0	\$0.00	1.3	\$2,535.00	0	\$0.00	0	\$0.00
1.06 P	Woodland Edge Seed Mix with Cover Crop (MnDOT 36-711)	AC	1.2	\$1,850.00	\$2,220.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	1.2	\$2,220.00	0	\$0.00
1.06 Q	Wet Meadow Seed Mix with Cover Crop (MnDOT 34-261)	AC	0.5	\$3,500.00	\$1,750.00	0	\$0.00	0.3	\$1,050.00	0	\$0.00	0	\$0.00	0.2	\$700.00	0	\$0.00
1.06 R	Live Stake (Furnish and Install)	Each	148	\$15.50	\$2,294.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	148	\$2,294.00	0	\$0.00
1.06 S	#10 Cont. Tree (Furnish and Install)	Each	30	\$350.00	\$10,500.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	30	\$10,500.00	0	\$0.00
1.06 T	Shrub, Bare Root (Furnish and Install)	Each	182	\$25.50	\$4,641.00	0	\$0.00	101	\$2,575.50	0	\$0.00	0	\$0.00	81	\$2,065.50	0	\$0.00
1.06 U	Herbaceous Plug (Furnish, Install by others)	Each	2520	\$1.50	\$3,780.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	2520	\$3,780.00	0	\$0.00
1.06 U	Straw Mulch	AC	7.7	\$1,550.00	\$11,935.00	0	\$0.00	0	\$0.00	0	\$0.00	1	\$1,550.00	0	\$0.00	0	\$0.00
1.06 V	Shredded Hardwood Mulch	C.Y.	45	\$65.00	\$2,925.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	45	\$2,925.00	0	\$0.00
1.06 W	Herbaceous Management Site Visit 2018	Each	7	\$2,500.00	\$17,500.00	0	\$0.00	3	\$7,500.00	3	\$7,500.00	1	\$2,500.00	0	\$0.00	0	\$0.00
1.06 X	Herbaceous Management Site Visit 2019	Each	7	\$2,500.00	\$17,500.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	1	\$2,500.00	1	\$2,500.00
1.06 Y	Herbaceous Management Site Visit 2020	Each	7	\$2,500.00	\$17,500.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
<b>CONSTRUCTION SUBTOTAL</b>					<b>\$199,225.00</b>		<b>\$46,150.00</b>		<b>\$39,463.00</b>		<b>\$7,500.00</b>		<b>\$6,585.00</b>		<b>\$52,824.50</b>		<b>\$2,500.00</b>



**LANDBRIDGE  
ECOLOGICAL**

**INVOICE # 3016**

670 Vandalia Street | Saint Paul, MN 55114

612.503.4420 | [www.landbridge.eco](http://www.landbridge.eco) | [info@landbridge.eco](mailto:info@landbridge.eco)

**BILL TO** Riley Purgatory Bluff Creek WD  
18681 Lake Dr. E.  
Chanhassen, MN 55317

**PROJECT** 17-054 Scenic Heights Restoration

**DATE** 10/21/19

**TERMS** Net 30

<b>DESCRIPTION</b>	<b>QTY</b>	<b>RATE</b>	<b>AMOUNT</b>
Herbaceous Management Site Visit 2019 (EA)	1	2,500.00	2,500.00

TOTAL \$2,500.00

PAYMENTS / CREDITS \$0.00

**BALANCE DUE \$2,500.00**

Memorandum

Re: Fortin Consulting

Wednesday, October 30, 2019

Dear Managers,

In 2019, the District on behalf of the Hennepin County Chloride Initiative receive a Clean Water Funds to develop a plan and implement projects related to reducing chloride pollution. The grant specifically identified the need to engage with property managers and local businesses in smart salting activities. The MPCA with Forting Consulting developed a pilot smart salting for property managers workshop in Spring 2019. RPBCWD was an active part of the focus group which was engaged in the development of the pilot and to date have hosted 4 trainings all of which were well attended. However, the finalizing of this pilot into a guide was not included in the original work. The HCCI, RPBCWD, NMCWD, LMRWD and MPCA are working together to take the lessons learned from the workshop and develop a first complete "Smart Salting for Property Manager" Guide. HCCI would contribute \$10,000 (from Hennepin County Chloride Initiative funds). RPBCWD, NMCWD and LMRWD all three would cover \$3,500 each with an allowance of \$500 for incidentals. MPCA will match this work with in-kind labor such as developing the graphics for the manual and ensure consistency in the smart salting branding.

Staff recommends that legal counsel draft a contract to allow the District to enter into an agreement with Fortin consulting to conduct this work.

Sincerely,



Claire Bleser

Claire Bleser  
District Administrator



**Proposal for RPBCWD**  
**Guidebook to accompany: Level 1 Smart Salting for Property Managers**  
**state certification training course**  
**Fortin Consulting, Inc.**  
7-30-2019

**Objective:** Create a manual/guidebook/workbook that will accompany the Smart Salting for Property Managers training

**Vision:** This document is intended to cover the contents of the Smart Salting for Property Managers training presentation. This document will build on the training structure and provide context and replace and/or supplement the handouts used in the current training. This document will make it easy for organizations to host the training class as only one document will need to be printed for each student.

**Suggested Criteria:**

Size: No shorter than 30 pages and no longer than 70 pages

Design: Can be designed with color for more interesting online viewing but must be able to be printed in black and white and readable

Printing: Can be printed in black and white and readable

Binding: Can be bound by the training host in a variety of ways but margin must be set up to allow for 3 ring binders.

Language: English

Resources: The document will contain online hyperlinks to relevant material. URLs will be spelled out in appendix to accommodate hard copy access to resources.

Order of information: Suggested that the document follow the order of the training PPT but provide additional insight and resources on those topics.

Platform: Microsoft word for easy future updates

**Tasks:**

1. Form a technical advisory team – With input from MPCA and partners

The advisory team will contribute opinions on:

- Table of contents of manual
- Provide opinion on color scheme, font, size of font, overall style
- Provide opinion on the length of manual and length of each chapter
- Level of technical detail to be included
- End of chapter exercises
- Will review content of each chapter
- Will review draft of completed manual

2. Hold 3 or 4 in person meetings of the advisory team. Additional communication with team members and other experts not on the team will be conducted via email or phone.
3. Draft out each chapter and send each for review by advisory team
4. Send out final completed document for review by advisory team
5. Deliver final document to MPCA and partners

**Review Cycle:**

- Each chapter will be written by FCI under the guidance of the advisory team and sent out for review. Comments received by a set date will be integrated into the chapter. The chapter once revised will be discussed at the following advisory team meeting and any necessary adjustments made.
- After all chapters have been reviewed and comments integrated. The completed document will be sent out for final review. Comments received by a set date will be integrated and a final PDF and Word version will be sent to partners and MPCA.
- Additional review cycles can be added at an additional charge

**Graphics:**

- Fortin Consulting can obtain photographs, create charts, graphs and simple graphic images. Fortin Consulting can sketch out a more detailed graphic concept that an artist could develop more fully.
- Advanced/artistic graphics such as a “fancy” cover design or complicated illustrations are not included in this price.

**Price: \$20,000.00**

\$5,000 – billable after advisory meeting #1

\$5,000 – billable after advisory meeting #2

\$5,000 – billable after last advisory meeting

\$5,000 – billable after final delivery of completed document

**Timeline:** It is estimated that this document can be completed somewhere in a 6 to 9 month timeframe. Largely depending on the advisory team’s ability to review a large amount of materials.

**Ownership of the document:** The document is intended to be “owned” by MPCA for the purpose of accompanying the smart salting training class. All funding partners will be included in the acknowledgments in a prominent way. All technical advisors will be acknowledged for their contributions. It is important to give credit to all partners that make this effort possible.



  
RILEY  
PURGATORY  
BLUFF CREEK  
WATERSHED DISTRICT

2020 Calendar

PROTECT. MANAGE. RESTORE.

## Managers, Staff & Consultants



### Board of Managers

The Riley Purgatory Bluff Creek Watershed District Board of Managers meets on the first Wednesday of each month, 7:00 pm, at the District Office: 18681 Lake Drive East, Chanhassen. Any changes to the schedule are posted on the District website: [rpbcwd.org](http://rpbcwd.org).

#### Left to right

Larry Koch (Chanhassen)  
David Ziegler (Eden Prairie)  
Dorothy Pederson (Shorewood)  
Dick Ward (Eden Prairie)  
Jill Crafton (Bloomington)

#### Term expires

July 2021  
July 2019  
July 2020  
July 2020  
July 2021

### Staff

**Dr. Claire Bleser**  
Administrator  
952-607-6512

**Terry Jeffery**  
Project & Permit  
Manager  
952-807-6885

**Maya Swope**  
Education &  
Outreach Coord.  
952-687-1348

**Josh Maxwell**  
Water Resource  
Coord.  
952-607-6486

**Zach Dickhausen**  
Water Resource  
Tech.  
952-607-6036

**B Lauer**  
Education &  
Outreach Asstnt.  
952-607-6481

**Mat Nicklay**  
Water Resource  
Asstnt.  
952-687-1018

**Amy Bakkum**  
MN GreenCorps  
Member  
952-607-6026

### Consultants

**Scott Sobiech**  
District Engineer  
Barr Engineering  
952-832-2755

**Smith Partners PLLP**  
Legal Advisor  
612-344-1400

*Cover image by Eric Toft, Mitchell Lake.*

## 50 Years of Watershed Protection

The Riley Purgatory Bluff Creek Watershed District was established on July 31, 1969. The District is a local government unit charged with protecting, managing, and restoring water resources. It encompasses all the land that drains into any of the three creeks in its name. At about 50 square miles, it includes parts of seven cities (Bloomington, Chanhassen, Chaska, Deephaven, Eden Prairie, Minnetonka, and Shorewood), and two counties (Carver and Hennepin).

The District is led by residents and water professionals. Five managers (four appointed by the Hennepin County Commissioners and one by Carver) serve three-year terms directing District activities. The District partners with local communities to identify top priorities and plan, implement, and manage efforts to protect clean water. The District works to educate and engage community members in this stewardship. Watershed activities are funded by property tax levies.

## A Year of Exploration and Celebration

Throughout 2019, the District celebrated its 50th anniversary with a series of opportunities for our community to explore and celebrate local water resources.

In February, we partnered with Three Rivers Park District and the City of Chanhassen to lead a snowshoeing adventure at the Lake Ann Winter Festival. In June, we worked with local nonprofit Let's Go Fishing to host free boat rides on Lake Riley. August brought our large anniversary celebration, and a chance to highlight and thank the many members of our community who have worked to protect, manage, and restore water resources. In September, we biked 50 miles through the District to celebrate 50 years, and hosted an 8-mile family-friendly ride.

*Winter*

*Spring*

*Summer*

*Fall*



Each season, the District partnered with local artist Kari Jo Johnson for a community art project designed by Kari Jo and painted by more than 150 members of the community.



## Coming together for a healthier Duck Lake

In 2019, the District and the City of Eden Prairie began implementing a community project to engage residents who live in Duck Lake's watershed to take action to protect clean water. The goal of the project was to help 25% of homes in the lake's watershed get involved by installing raingardens, trees, rain barrels, and raingarden-in-a-box planters. These best management practices work together to help capture and filter polluted stormwater before it reaches the Duck Lake.

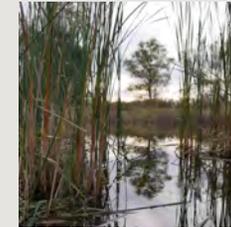
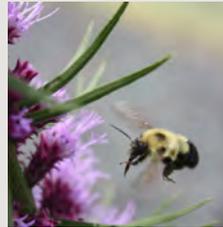
Residents received letters and postcards inviting them to participate, and many responded positively. So far, 39 trees have been installed and 52 rainbarrels have been given to residents. The District and the City will work with contractors to install rain gardens and downspout planters in 2020.

Thank you to all of the members of this community who stepped up and took action to help protect Duck Lake. It takes all of us to protect and manage a healthy landscape!



## Photography Contest

Many of the photos in this calendar were taken by members of the community and submitted to our 50th anniversary photography contest. The Citizen Advisory Committee and staff reviewed the photos, and voted to have their favorites featured in this calendar.



## Empowering Businesses To Protect Clean Water

One of the many types of continuing education opportunities the District offered in 2019 was a series of Smart Salting Trainings. These trainings help winter maintenance professionals and property managers provide safe roads, sidewalks, and parking lots while limiting road salt use. Less salt on outdoor surfaces means less salt polluting our freshwater resources.

The District took part in the development of the Minnesota Pollution Control Agency's (MPCA) Smart Salting for Property Managers training and was the first organization to host trainings. The District initially hosted two trainings, but due to popular demand, added two more! Over 100 individuals were certified through these property manager trainings in 2019.

Over the course of 2019, the District partnered with the MPCA to offer four Smart Salting for Parking Lots and Sidewalks trainings, one Smart Salting for Roads training, and four Smart Salting for Property Managers trainings. As we look to 2020, the District hopes to continue building on existing momentum to spread the word, not the salt.

**Reflecting on 50 years** of protecting, managing, and restoring local water resources. Learn more about our history at [rpbcd.org/50years](http://rpbcd.org/50years)

### DISTRICT OFFICE:

18681 Lake Drive East  
Chanhassen, MN  
55317

### CONTACT INFO:

952-607-6512  
[info@rpbcd.org](mailto:info@rpbcd.org)  
[www.rpbcd.org](http://www.rpbcd.org)



# JANUARY

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
<b>Be salt smart</b> What happens to the salt we put down to melt ice? It washes into stormdrains and pollutes local lakes, streams, and wetlands. Spread less salt to help keep our lakes and creeks clean.			<b>1</b> RPBCWD Board Meeting 7:00 PM, District Office* <i>(*due to the holiday, this meeting will be rescheduled. Updates at: <a href="http://rpbcwd.org">rpbcwd.org</a>)</i> New Year's Day	<b>2</b>	<b>3</b>	<b>4</b>
<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b> ○ Full moon	<b>11</b>
<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>
<b>19</b>	<b>20</b> RPBCWD Citizen Advisory Committee Meeting 6:00 PM, District Office* <i>(*due to            the holiday, this meeting will            be rescheduled. Updates at:  <a href="http://rpbcwd.org">rpbcwd.org</a>)</i>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b> ● New moon	<b>25</b>  <i>Chinese New Year</i>
<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>	<b>31</b>	



# FEBRUARY

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
<b>Gathering data</b> <p>Good decisions are based on good data. District staff monitor local water bodies to determine how healthy they are, identify projects to improve them, and assess how successful those projects are. If you see our sampling team out and about, stop and say hi!</p>						1
2 <i>Groundhog Day</i>	3	4	5 RPBCWD Board Meeting 7:00 PM, District Office	6	7	8
9 ○ Full moon	10	11	12	13	14 <i>Valentine's Day</i>	15
16	17 RPBCWD Citizen Advisory Committee Meeting 6:00 PM, District Office <i>(*due to the holiday, this meeting will be rescheduled. Updates at: rpbcd.org)</i>	18	19	20	21 <i>Maha Shivaratri</i>	22
23 ● New moon	24	25 <i>Shrove Tuesday/Mardi Gras</i>	26	27	28	29



# MARCH

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b> RPBCWD Board Meeting 7:00 PM, District Office	<b>5</b>	<b>6</b>	<b>7</b>
<b>8</b> <i>Daylight Saving Time Begins</i>	<b>9</b> ○ Full moon  <i>Purim begins Holi begins</i>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>
<b>15</b>	<b>16</b> RPBCWD Citizen Advisory Committee Meeting 6:00 PM, District Office	<b>17</b> <i>St. Patrick's Day</i>	<b>18</b>	<b>19</b> <i>Spring Equinox</i>	<b>20</b>	<b>21</b>
<b>22</b>	<b>23</b>	<b>24</b> ● New moon	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>
<b>29</b>	<b>30</b>	<b>31</b>				

## Adopt a Storm Drain!

You can help keep our lakes and clean by “adopting” a storm drain in your neighborhood. It’s as easy as sweeping up and collecting any leaves, trash, salt and other debris that has collected around your drain. You can learn more and sign up at [adopt-a-drain.org](http://adopt-a-drain.org)



# APRIL

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
<b>Protect, manage, restore</b> Protecting healthy and unique resources is an important part of the District's work. For example, did you know that Silver Lake has wild rice? To keep this rare amenity, we need to work to protect and improve Silver Lake.			<b>1</b> RPBCWD Board Meeting 7:00 PM, District Office	<b>2</b> <i>Rama Navami</i>	<b>3</b>	<b>4</b>
<b>5</b>	<b>6</b>	<b>7</b> ○ Full moon	<b>8</b> <i>Passover begins</i>	<b>9</b>	<b>10</b>	<b>11</b>
<b>12</b> <i>Easter</i>	<b>13</b>	<b>14</b>	<b>15</b> <i>Tax day</i>	<b>16</b>	<b>17</b>	<b>18</b>
<b>19</b>	<b>20</b> RPBCWD Citizen Advisory Committee Meeting 6:00 PM, District Office	<b>21</b>	<b>22</b> ● New moon <i>Earth Day</i>	<b>23</b> <i>Ramadan begins</i>	<b>24</b> <i>Arbor Day</i>	<b>25</b>
<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>		



# MAY

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
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## Conserve groundwater

Did you know: water from our taps comes from aquifers deep underground. It is a limited resource, and you can join us in protecting and conserving it. Turf grass alternatives like fescues require little to no irrigation. When you do need to water your lawn consider using rainwater from a rain barrel or cistern!

					<b>1</b>	<b>2</b>
<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b> RPBCWD Board Meeting 7:00 PM, District Office <i>Cinco de Mayo</i>	<b>7</b>	<b>8</b>	<b>9</b>
<b>10</b> <i>Mother's Day</i>	<b>11</b>	<b>12</b> ● New moon	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>
<b>17</b>	<b>18</b> RPBCWD Citizen Advisory Committee Meeting 6:00 PM, District	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>
<b>24</b>	<b>25</b> <i>Memorial Day</i>	<b>26</b> ○ Full moon	<b>27</b>	<b>28</b> <i>Shavuot</i>	<b>29</b>	<b>30</b>
<b>31</b>						



# JUNE

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	<b>1</b>	<b>2</b>	<b>3</b> RPBCWD Board Meeting 7:00 PM, District Office	<b>4</b>	<b>5</b> ○ Full moon	<b>6</b>
<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>
<b>14</b>	<b>15</b> RPBCWD Citizen Advisory Committee Meeting 6:00 PM, District Office	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b> <i>Summer Solstice</i>
<b>21</b> <i>Father's Day</i>	● New moon <b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>

## All About Algae

Have you noticed mats of long, stringy algae in your lake or pond? Many lakes in the District experience blooms of harmless filamentous green algae. This algae grows on the bottom of the lake when water is clear in early spring. When enough of it grows, it can float up to the top of the lake, where it remains for about two weeks. The district monitors phosphorus levels in lakes and designs projects to reduce algae blooms.



# JULY

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
<b>Youth programs</b>	Stewardship can start at any age! The District works to engage school groups in hands-on learning. Interested in having us come to your school? Contact us!		<b>1</b> RPBCWD Board Meeting 7:00 PM, District Office	<b>2</b>	<b>3</b>	<b>4</b> ○ Full moon  <i>Independence Day</i>
	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>
<b>19</b>	<b>20</b> ● New moon RPBCWD Citizen Advisory Committee Meeting 6:00 PM, District Office	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>
<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>  <i>Eid al-Adha begins</i>	<b>31</b>	



# AUGUST

SUNDAY

MONDAY

TUESDAY

WEDNESDAY

THURSDAY

FRIDAY

SATURDAY

## Volunteer with us

Are you curious about the work we do? Interested in getting your feet wet and helping us protect clean water? Volunteer with our water resource monitoring crew and explore your watershed in a new way!



						1
2	3 ○ Full moon	4	5 RPBCWD Board Meeting 7:00 PM, District Office	6	7	8
9	10	11 <i>Janmashtami</i>	12	13	14	15
16	17 RPBCWD Citizen Advisory Committee Meeting 6:00 PM, District	18 ● New moon	19	20 <i>Muharram</i>	21	22
23	24	25	26	27	28	29
30	31					



# SEPTEMBER

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	<b>1</b>	<b>2</b> ○ Full moon RPBCWD Board Meeting 7:00 PM, District Office	<b>3</b>	<b>4</b>	<b>5</b>	
<b>6</b>	<b>7</b> <i>Labor Day</i>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>
<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b> ● New moon	<b>18</b> <i>Rosh Hashana</i>	<b>19</b>
<b>20</b>	<b>21</b> RPBCWD Citizen Advisory Committee Meeting 6:00 PM, District Office	<b>22</b> <i>Fall Equinox</i>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>
<b>27</b> <i>Yom Kippur</i>	<b>28</b>	<b>29</b>	<b>30</b>	<h2>Plant for Pollinators!</h2> <p>Pollinators are a crucial part of a healthy environment. Populations of pollinators, such as bees and butterflies, are in decline. You can help by planting a pollinator garden or bee lawn. Such long-rooted native plants are good for pollinators and water too!</p>		



# OCTOBER

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
<h2>Slippery Slopes</h2> <p>Do you live on a steep slope? Slopes are prone to erosion, so it is important to maintain a healthy plant community to hold soil in place. Don't dump leaves and grass clippings on your slope. They smother vegetation and promote erosion.</p>				<b>1</b> ○ Full moon	<b>2</b> <p><i>Sukkot begins</i></p>	<b>3</b>
<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b> <p>RPBCWD Board Meeting 7:00 PM, District Office</p>	<b>8</b>	<b>9</b> <p><i>Shmini Atzeret begins</i></p>	<b>10</b> <p><i>Simchat Torah begins</i></p>
<b>11</b>	<b>12</b> <p><i>Columbus Day Indigenous People's Day</i></p>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b> ● New moon	<b>17</b> <p><i>Navaratri begins</i></p>
<b>18</b>	<b>19</b> <p>RPBCWD Citizen Advisory Committee Meeting 6:00 PM, District</p>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>
<b>25</b> <p><i>Vijayadashami</i></p>	<b>26</b>	<b>27</b>	<b>28</b> <p><i>Mawlid al-Nabi begins</i></p>	<b>29</b>	<b>30</b>	<b>31</b> ○ Full moon <p><i>Halloween Dia de los Muertos begins</i></p>



# NOVEMBER

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1 <i>Daylight Savings Time Ends</i>	2	3 <i>Election Day</i>	4 RPBCWD Board Meeting 7:00 PM, District Office	5	6	7
8	9	10	11 <i>Veteran's Day</i>	12	13	14 ● New moon <i>Diwali</i>
15	16 RPBCWD Citizen Advisory Committee Meeting 6:00 PM, District Office	17	18	19	20	21
22	23	24	25	26 <i>Thanksgiving</i>	27	28
29	30 ○ Full moon 	<h2>Supporting educators</h2> <p>Teachers do important work in our communities, and we want to support them! The District offers trainings, grants, kits, and in-classroom resources each year to help grow water education.</p>				



# DECEMBER

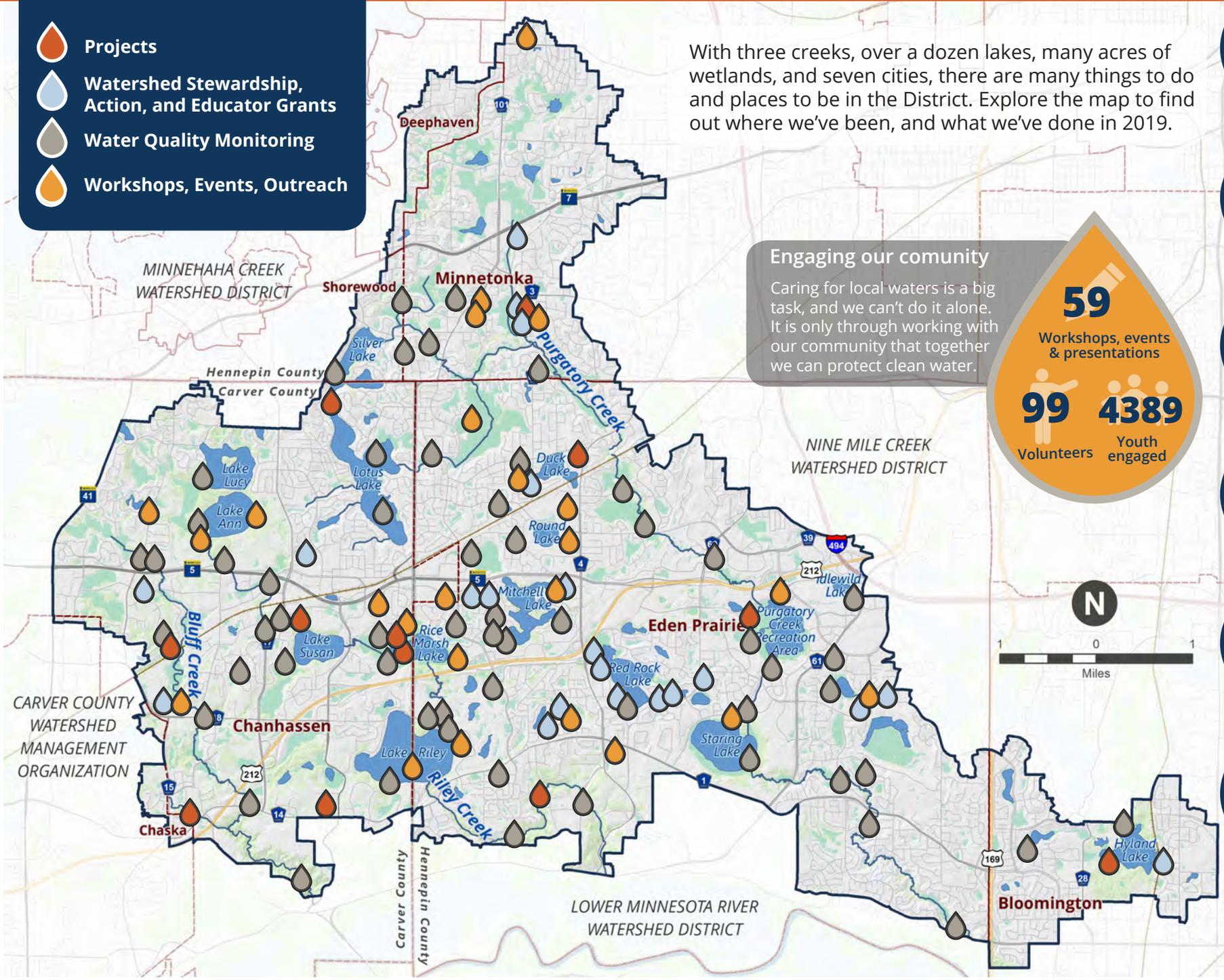
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		<b>1</b>	<b>2</b> RPBCWD Board Meeting 7:00 PM, District Office	<b>3</b>	<b>4</b>	<b>5</b>
<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b> <i>First Day of Chanukah</i>	<b>11</b>	<b>12</b>
<b>13</b>	<b>14</b> ● New moon	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>
<b>20</b>	<b>21</b> RPBCWD Citizen Advisory Committee Meeting 6:00 PM, District Office <i>Winter Solstice</i>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b> <i>Christmas Day</i>	<b>26</b> <i>Kwanzaa</i>
<b>27</b>	<b>28</b>	<b>29</b> ○ Full moon	<b>30</b>	<b>31</b>		

## Managing invasives

The District works to manage aquatic invasive species, like common carp and curlyleaf pondweed. If left unchecked, these fish and plants can harm water quality and native species. You can help reduce their spread by cleaning your fishing gear any time of year!

# 2019 AT A GLANCE

-  Projects
-  Watershed Stewardship, Action, and Educator Grants
-  Water Quality Monitoring
-  Workshops, Events, Outreach



With three creeks, over a dozen lakes, many acres of wetlands, and seven cities, there are many things to do and places to be in the District. Explore the map to find out where we've been, and what we've done in 2019.

## Engaging our community

Caring for local waters is a big task, and we can't do it alone. It is only through working with our community that together we can protect clean water.

**59** Workshops, events & presentations

**99** Volunteers

**4389** Youth engaged



**59**

Monitoring sites

**28**

Grants Awarded

**12**

Active Projects

**40**

Permits Issued

**75**

Thousands of \$ in grants received

**36**

Partner Organizations



October 31, 2019, 2019

Claire Bleser  
District Administrator  
Riley Purgatory Bluff Creek Watershed District  
18681 Lake Drive E.  
Chanhassen, Minnesota 55317

Dear Claire:

Enclosed please find the checks and Treasurer's Report for Riley Purgatory Bluff Creek Watershed District for the one month and nine months ending September 30, 2019.

Please examine these statements and if you have any questions or need additional copies, please call me.

Sincerely,

REDPATH AND COMPANY, LTD.

A handwritten signature in black ink that reads "Mark C. Gibbs".

Mark C. Gibbs, CPA  
Enclosure



To The Board of Managers  
Riley Purgatory Bluff Creek Watershed District  
Chanhassen, Minnesota

### **Accountant's Opinion**

The Riley Purgatory Bluff Creek Watershed District is responsible for the accompanying September 30, 2019 Treasurer's Report in the prescribed form. We have performed a compilation engagement in accordance with the Statements on Standards for Accounting and Review promulgated by the Accounting and Review Services Committee of AICPA. We did not audit or review the Treasurer's Report nor were we required to perform any procedures to verify the accuracy or completeness of the information provided by the Riley Purgatory Bluff Creek Watershed District. Accordingly, we do not express an opinion, a conclusion, nor provide any form of assurance on the Treasurer's Report.

### **Reporting Process**

The Treasurer's Report is presented in a prescribed form mandated by the Board of Managers and is not intended to be a presentation in accordance with accounting principles generally accepted in the United States of America. The reason the Board of Managers mandates a prescribed form instead of GAAP (Generally Accepted Accounting Principles) is this format gives the Board of Managers the financial information they need to make informed decisions as to the finances of the watershed.

GAAP basis reports would require certain reporting formats, adjustments to accrual basis and supplementary schedules to give the Board of Managers information they need, making GAAP reporting on a monthly basis extremely cost prohibitive. An independent auditing firm is retained each year to perform a full audit and issue an audited GAAP basis report. This annual report is submitted to the Minnesota State Auditor, as required by Statute, and to the Board of Water and Soil Resources.

The Treasurer's Report is presented on a modified accrual basis of accounting. Expenditures are accounted for when incurred. For example, payments listed on the Cash Disbursements report are included as expenses in the Treasurer's Report even though the actual payment is made subsequently. Revenues are accounted for on a cash basis and only reflected in the month received.

A handwritten signature in black ink that reads "Redpath and Company, LTD." in a cursive script.

REDPATH AND COMPANY, LTD.

St. Paul, Minnesota

October 31, 2019

# **RILEY PURGATORY BLUFF CREEK WATERSHED DISTRICT**

## **Treasurers Report**

**September 30, 2019**

### **REPORT INDEX**

<b><u>Page #</u></b>	<b><u>Report Name</u></b>
1	Cash Disbursements
2	Cash Disbursements
3	Fund Performance Analysis – Table 1
4	Multi-Year Project Performance Analysis – Table 2
5	Balance Sheet
6	VISA Activity

**RILEY PURGATORY BLUFF CREEK WATERSHED DISTRICT**  
**Cash Disbursements**  
**September 30, 2019**

**Accounts Payable:**

<u>Check #</u>	<u>Payee</u>	<u>Amount</u>
4974	Baker Tilly	\$6,524.80
4975	Barr Engineering	36,070.25
4976	CenturyLink	385.00
4799	City of Chanhassen	16.53
4978	Coverall of the Twin Cities	316.76
4979	CSM Financial, LLC	7,847.28
4980	Dorsey & Whitney LLP	627.00
4981	Dunn & Semington, LLC	174.44
4982	HDR Engineering, Inc.	3,617.24
4983	HealthPartners	784.01
4984	Amy Herbert, LLC	333.19
4985	Olivia R. Holstine	277.52
4986	Iron Mountain	129.95
4987	Kari Jo Johnson	125.00
4988	Larry Koch	323.22
4989	League of Minnesota Cities	47.00
4990	Limnotech	1,119.14
4991	Lincoln National Life Insurance	448.21
4992	Metro Sales, Inc.	316.42
4993	Natural Shores Technology	1,000.00
4994	ProTech	347.56
4995	Redpath & Company, Ltd.	2,165.38
4996	RMB Environmental Laboratories	3,900.00
4997	RMB Environmental Laboratories	2,538.00
4998	Smith Partners	9,991.18
4999	Southwest News Media	100.00
5000	Teledyne Instruments, Inc.	2,044.00
5001V	VOID	-
5002V	VOID	-
5003	Xcel Energy	109.48
5004	David Ziegler	1,115.33
5005	University of Minnesota	13,556.00
5006	Wenck, Inc.	2,967.00
5007	Custom Home Builders Title, LLC	5,000.00
5008	Custom Home Builders Title, LLC	5,000.00
5009	Landbridge Ecological Services, Inc.	2,500.00
5010	University of Minnesota	16,942.60
5011	Olivia R. Holstine	345.52
<b>Total Accounts Payable:</b>		<b><u><u>\$129,105.01</u></u></b>

**RILEY PURGATORY BLUFF CREEK WATERSHED DISTRICT**  
**Cash Disbursements**  
**September 30, 2019**

**Payroll Disbursements:**

Payroll Processing Fee	212.05
Employee Salaries	42,884.21
Employer Payroll Taxes	3,787.86
Employer Benefits (H.S.A. Match)	525.00
Employee Benefit Deductions	(396.26)
Staff Expense Reimbursements	7,311.47
PERA Match	2,716.71

**Total Payroll Disbursements:** \$57,041.04

VISA - No Payment in September -

Check #5007	Custom Home Builders Title, LLC-Surety Release	(5,000.00)
Check #5008	Custom Home Builders Title, LLC-Surety Release	(5,000.00)

**TOTAL DISBURSEMENTS:** \$176,146.05

**Memos**

The 2019 mileage rate is .58 per mile. The 2018 rate was .54.5  
Old National VISA will be paid on-line.

**RILEY PURGATORY BLUFF CREEK WATERSHED DISTRICT**  
**Fund Performance Analysis - Table 1**  
**September 30, 2019**

	2019 Budget	Fund Transfers	Revised 2019 Budget	Current Month	Year-to-Date	Year-to-Date Percent of Budget
<b>REVENUES</b>						
Plan Implementation Levy	\$3,602,500.00	-	\$3,602,500.00	-	1,845,612.60	51.23%
Permit	50,000.00	-	50,000.00	7,340.00	37,462.50	74.93%
Grant Income	708,079.00	-	708,079.00	-	272,440.00	38.48%
Investment Income	35,000.00	-	35,000.00	9,134.72	80,339.79	229.54%
Miscellaneous Income	-	-	-	1.00	1,446.25	---
Past Levies	2,511,789.00	-	2,511,789.00	-	-	0.00%
Partner Funds	432,000.00	-	432,000.00	-	-	0.00%
<b>TOTAL REVENUE</b>	<b>\$7,339,368.00</b>	<b>\$0.00</b>	<b>\$7,339,368.00</b>	<b>\$16,475.72</b>	<b>\$2,237,301.14</b>	<b>30.48%</b>
<b>EXPENDITURES</b>						
<b>Administration</b>						
Accounting and Audit	42,000.00	-	42,000.00	2,377.43	35,436.22	84.37%
Advisory Committees	5,000.00	-	5,000.00	-	931.42	18.63%
Insurance and bonds	20,000.00	-	20,000.00	47.00	13,379.00	66.90%
Professional Services	-	-	-	6,524.80	6,524.80	---
Engineering Services	106,000.00	-	106,000.00	8,354.12	80,929.02	76.35%
Legal Services	78,000.00	-	78,000.00	1,576.44	48,916.18	62.71%
Manager Per Diem/Expense	20,000.00	-	20,000.00	1,779.52	10,992.24	54.96%
Dues and Publications	12,000.00	-	12,000.00	-	13,273.50	110.61%
Office Cost	144,000.00	-	144,000.00	11,671.17	109,589.91	76.10%
Permit Review and Inspection	135,000.00	(25,000.00)	110,000.00	10,920.69	128,799.97	117.09%
Permit and Grant Database	-	39,900.00	39,900.00	-	1,480.75	3.71%
Recording Services	10,000.00	-	10,000.00	333.19	8,947.09	89.47%
Staff Cost	550,000.00	-	550,000.00	46,291.18	419,610.28	76.29%
<b>Subtotal</b>	<b>\$1,122,000.00</b>	<b>\$14,900.00</b>	<b>\$1,136,900.00</b>	<b>\$89,875.54</b>	<b>\$878,810.38</b>	<b>77.30%</b>
<b>Programs and Projects</b>						
<b>District Wide</b>						
10-year Management Plan	5,000.00	-	5,000.00	1,170.00	23,120.85	462.42%
AIS Inspection and early response	75,000.00	-	75,000.00	180.00	5,641.23	7.52%
Cost-share	267,193.00	(14,900.00)	252,293.00	-	52,337.75	20.74%
Creek Restoration Action Strategies Phase	-	-	-	-	-	---
Data Collection and Monitoring	186,000.00	-	186,000.00	17,046.72	146,100.55	78.55%
District Wide Floodplain Evaluation - Atlas 14/SMM model	30,000.00	18,000.00	48,000.00	1,793.50	29,338.50	61.12%
Education and Outreach	119,000.00	-	119,000.00	13,661.39	80,524.10	67.67%
Plant Restoration - U of M	42,000.00	-	42,000.00	16,942.60	25,238.45	60.99%
Repair and Maintenance Fund *	177,005.00	-	177,005.00	1,321.00	7,530.00	4.25%
Wetland Management*	145,272.00	-	145,272.00	174.44	12,124.70	8.35%
District Groundwater Assessment	-	-	-	-	-	---
Groundwater Conservation*	130,000.00	-	130,000.00	-	-	0.00%
Lake Vegetation Implementation	75,000.00	-	75,000.00	-	7,293.76	9.73%
Opportunity Project*	200,000.00	-	200,000.00	-	9,999.00	5.00%
TMDL - MPCA	10,000.00	-	10,000.00	-	-	0.00%
Stormwater Ponds - U of M	86,092.00	-	86,092.00	13,556.00	26,063.33	30.27%
Hennepin County Chloride Initiative	120,800.00	-	120,800.00	402.61	3,367.32	2.79%
Lower Minnesota Chloride Cost-Share	217,209.00	-	217,209.00	-	-	0.00%
<b>Subtotal</b>	<b>\$1,885,571.00</b>	<b>\$3,100.00</b>	<b>\$1,888,671.00</b>	<b>\$66,248.26</b>	<b>\$428,679.54</b>	<b>22.70%</b>
<b>Bluff Creek</b>						
Bluff Creek Tributary*	291,091.00	-	291,091.00	3,272.44	14,383.16	4.94%
Chanhassen High School *	41,905.00	-	41,905.00	832.00	3,452.00	8.24%
Wetland Restoration at Pioneer	561,870.00	-	561,870.00	1,032.00	544,887.28	96.98%
<b>Subtotal</b>	<b>\$894,866.00</b>	<b>\$0.00</b>	<b>\$894,866.00</b>	<b>\$5,136.44</b>	<b>\$562,722.44</b>	<b>62.88%</b>
<b>Riley Creek</b>						
Lake Riley - Alum Treatment*	5,000.00	-	5,000.00	-	-	0.00%
Lake Susan Water Quality Improvement Phase 2 *	13,420.00	-	13,420.00	2,973.69	3,131.19	23.33%
Rice Marsh Lake in-lake phosphorus load	73,983.00	-	73,983.00	-	13,414.87	18.13%
Rice Marsh Lake Water Quality Improvement Phase 1	150,000.00	-	150,000.00	-	-	0.00%
Riley Creek Restoration (Reach E and D3)	1,680,562.00	-	1,680,562.00	987.50	20,306.88	1.21%
Lake Riley & Rice Marsh Lake Subwatershed Assessment	72,500.00	-	72,500.00	2,699.64	34,770.17	47.96%
Upper Riley Creek Stabilization	425,000.00	-	425,000.00	-	-	0.00%
<b>Subtotal</b>	<b>\$2,420,465.00</b>	<b>\$0.00</b>	<b>\$2,420,465.00</b>	<b>\$6,660.83</b>	<b>\$71,623.11</b>	<b>2.96%</b>
<b>Purgatory Creek</b>						
Purgatory Creek Rec Area- Berm/retention area - feasibility/design	50,000.00	-	50,000.00	-	-	0.00%
Lotus Lake in-lake phosphorus load control	105,772.00	-	105,772.00	-	1,666.30	1.58%
Purgatory Creek at 101	-	-	-	90.00	90.00	---
Silver Lake Restoration - Feasibility Phase 1	168,013.00	-	168,013.00	2,412.98	2,867.98	1.71%
Scenic Heights	111,226.00	-	111,226.00	2,657.50	54,885.75	49.35%
Hyland Lake in-lake phosphorus load control	120,000.00	-	120,000.00	-	128,612.41	107.18%
Mitchell Lake Subwatershed Assessment	87,500.00	-	87,500.00	2,321.50	34,606.04	39.55%
Duck Lake watershed load	213,955.00	-	213,955.00	743.00	78,362.02	36.63%
<b>Subtotal</b>	<b>\$856,466.00</b>	<b>\$0.00</b>	<b>\$856,466.00</b>	<b>\$8,224.98</b>	<b>\$301,090.50</b>	<b>35.15%</b>
<b>Reserve</b>	<b>\$160,000.00</b>	<b>(\$18,000.00)</b>	<b>142,000.00</b>	<b>-</b>	<b>-</b>	<b>0.00%</b>
<b>TOTAL EXPENDITURE</b>	<b>\$7,339,368.00</b>	<b>\$0.00</b>	<b>\$7,339,368.00</b>	<b>\$176,146.05</b>	<b>\$2,242,925.97</b>	<b>30.56%</b>
<b>EXCESS REVENUES OVER (UNDER) EXPENDITURES</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>(\$159,670.33)</b>	<b>(\$5,624.83)</b>	

\*Denotes Multi-Year Project - See Table 2 for details

**RILEY PURGATORY BLUFF CREEK WATERSHED DISTRICT**

**Multi-Year Project Performance Analysis - Table 2**

**September 30, 2019**

Programs and Projects	Total Project	FUNDING SOURCE			Month Ended 09/30/19	Year To-Date	Lifetime Costs	Remaining
		District funds	Partner Fund	Grants				
<b>District Wide</b>								
District Wide Floodplain Evaluation - Atlas 14/SMM model	48,000.00	48,000.00	-	-	1,793.50	29,338.50	29,338.50	18,661.50
Repair and Maintenance Fund	202,005.00	177,005.00	-	-	1,321.00	7,530.00	32,530.00	169,475.00
Wetland Management	150,000.00	150,000.00	-	-	174.44	12,124.70	41,853.01	108,146.99
Groundwater Conservation	130,000.00	130,000.00	-	-	-	-	-	130,000.00
Opportunity Project*	200,000.00	200,000.00	-	-	-	9,999.00	9,999.00	190,001.00
Hennepin County Chloride Initiative	120,800.00	19,000.00	-	101,800.00	402.61	3,367.32	3,367.32	117,432.68
Lower Minnesota Chloride Cost-Share	217,209.00	20,000.00	-	197,209.00	-	-	-	217,209.00
Stormwater Ponds - U of M	86,092.00	44,092.00	42,000.00	-	13,556.00	26,063.33	26,063.33	60,028.67
<b>Subtotal</b>	<b>\$1,154,106.00</b>	<b>\$788,097.00</b>	<b>\$42,000.00</b>	<b>\$299,009.00</b>	<b>\$17,247.55</b>	<b>\$88,422.85</b>	<b>\$143,151.16</b>	<b>1,010,954.84</b>
<b>Bluff Creek</b>								
Bluff Creek Tributary*	292,362.00	242,362.00	50,000.00	-	3,272.44	14,383.16	110,042.70	182,319.30
Chanhassen High School *	508,000.00	208,000.00	100,000.00	200,000.00	832.00	3,452.00	454,547.10	53,452.90
Wetland Restoration at Pioneer	561,870.00	450,000.00	-	111,870.00	1,032.00	544,887.28	544,887.28	16,982.72
<b>Subtotal</b>	<b>\$1,362,232.00</b>	<b>\$900,362.00</b>	<b>\$150,000.00</b>	<b>\$311,870.00</b>	<b>\$5,136.44</b>	<b>\$562,722.44</b>	<b>\$1,109,477.08</b>	<b>\$252,754.92</b>
<b>Riley Creek</b>								
Lake Riley - Alum Treatment 1st dose *	260,000.00	260,000.00	-	-	-	-	254,999.83	5,000.17
Lake Susan Water Quality Improvement Phase 2 *	662,491.00	330,000.00	99,091.00	233,400.00	2,973.69	3,131.19	652,201.99	10,289.01
Rice Marsh Lake in-lake phosphorus load	150,000.00	150,000.00	-	-	-	13,414.87	89,432.81	60,567.19
Riley Creek Restoration (Reach E and D3) *	1,565,000.00	1,265,000.00	300,000.00	-	987.50	20,306.88	200,802.03	1,364,197.97
Lake Riley & Rice Marsh Lake Subwatershed Assessment	72,500.00	12,500.00	5,000.00	55,000.00	2,699.64	34,770.17	34,770.17	37,729.83
Upper Riley Creek Stabilization	450,000.00	450,000.00	0.00	-	-	-	-	450,000.00
<b>Subtotal</b>	<b>\$3,159,991.00</b>	<b>\$2,467,500.00</b>	<b>\$404,091.00</b>	<b>\$288,400.00</b>	<b>\$6,660.83</b>	<b>\$71,623.11</b>	<b>\$1,232,206.83</b>	<b>\$1,927,784.17</b>
<b>Purgatory Creek</b>								
Purgatory Creek Rec Area- Berm/retention area - feasibility/design	50,000.00	50,000.00	-	-	-	-	-	50,000.00
Lotus Lake in-lake phosphorus load control	345,000.00	345,000.00	-	-	-	1,666.30	240,893.34	104,106.66
Scenic Heights	260,000.00	165,000.00	45,000.00	50,000.00	2,657.50	54,885.75	203,659.51	56,340.49
Mitchell Lake Subwatershed Assessment	87,500.00	12,500.00	5,000.00	70,000.00	2,321.50	34,606.04	34,606.04	52,893.96
Duck Lake watershed load	220,000.00	220,000.00	-	-	743.00	78,362.02	84,406.52	135,593.48
<b>Subtotal</b>	<b>\$962,500.00</b>	<b>\$792,500.00</b>	<b>\$50,000.00</b>	<b>\$120,000.00</b>	<b>\$5,722.00</b>	<b>\$169,520.11</b>	<b>\$563,565.41</b>	<b>\$398,934.59</b>
<b>Total Multi-Year Project Costs</b>	<b>\$6,638,829.00</b>	<b>\$4,948,459.00</b>	<b>\$646,091.00</b>	<b>\$1,019,279.00</b>	<b>\$34,766.82</b>	<b>\$892,288.51</b>	<b>\$3,048,400.48</b>	<b>\$3,590,428.52</b>

**Riley Purgatory Bluff Creek Watershed District**  
**Balance Sheet**  
**As of September 30, 2019**

**ASSETS**

**Current Assets**

General Checking-Old National	\$1,738,523.42
Checking-Old National/BMW	46,115.29
Investments-Standing Cash	264,724.83
Investments-Wells Fargo	4,137,531.17
Accrued Investment Interest	22,486.64
Due From Other Governments	25,021.73
Taxes Receivable-Delinquent	29,411.16
Pre-Paid Expense	27,361.36
Security Deposits	7,244.00

<b>Total Current Assets:</b>	<b>\$6,298,419.60</b>
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**LIABILITIES AND CAPITAL**

**Current Liabilities**

Accounts Payable	\$270,360.55
Retainage Payable	23,657.38
Salaries Payable	18,450.11
Permits & Sureties Payable	795,481.00
Deferred Revenue	29,411.16

<b>Total Current Liabilities:</b>	<b>\$1,137,360.20</b>
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**Capital**

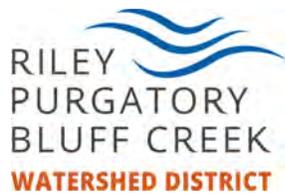
Fund Balance-General	\$5,166,684.23
Net Income	(5,624.83)

<b>Total Capital</b>	<b>\$5,161,059.40</b>
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<b>Total Liabilities &amp; Capital</b>	<b>\$6,298,419.60</b>
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**RILEY PURGTORY BLUFF CREEK WATERSHED DISTRICT**  
**Old National Bank VISA Activity**  
**September 30, 2019**

DATE	PURCHASED FROM	AMOUNT	DESCRIPTION	ACCOUNT #	RECEIPT
09/16/19	Frattallone	35.46	Data Collection Supplies	10-00-4800	Y
09/16/19	Kowalski's	31.98	Office Supplies	10-00-4800	Y
09/19/19	Adobe	16.10	Software	10-00-4203	Y
09/20/19	Indian Grill	117.90	Jordan's Last Day	10-00-4010	Y
09/20/19	Fully	567.73	Office Supplies	10-00-4200	Y
09/27/19	Jimmy John's	58.41	Team Regroup	10-00-4321	Y
09/27/19	Minnetonka BCS	65.00	First Aid Training	10-00-4265	Y
09/30/19	U of M Parking	9.00	Grey to Green Conference	10-00-4321	Y
10/03/19	U of M Continuing Learning	650.00	WRC Registration	10-00-4321	Y
10/03/19	Amazon	36.99	Office Supplies	10-00-4200	Y
10/03/19	Amazon	26.99	Office Supplies	10-00-4200	Y
10/04/19	MAWD	600.00	Registration to Conference	10-00-4010	Y
10/04/19	Adobe	16.10	Software	10-00-4203	Y
10/07/19	MAWD	1,850.00	Registration to Conference	10-00-4321	Y
10/07/19	MAWD	200.00	Registration to Conference	10-00-4010	Y
10/08/19	U of M Continuing Learning	325.00	WRC Registration	10-00-4010	Y
10/08/19	Randy's	91.73	Trash/Recycling	10-00-4215	Y
10/09/19	Speedway	27.55	Gas for Vehicles	10-00-4010	Y
10/09/19	Speedway	20.26	Gas for Vehicles	10-00-4010	Y
		<b>\$4,746.20</b>	<b>General Administration Total</b>		
09/16/19	Facebook	7.05	Education & Outreach	20-08-4275	Y
09/17/19	UPS	45.05	Data Collection Mailing	20-05-4280	Y
09/18/19	Hologram	100.00	Data Collection Supplies	20-05-4635	Y
09/18/19	DRI Printing Services	231.00	AIS Junior Inspectors	20-02-4260	Y
09/19/19	Amazon	226.10	Anniversary Event	20-08-4260	Y
09/19/19	Speedway	60.00	Gas for Vehicles	20-05-4322	Y
09/19/19	DRI Printing Services	43.48	AIS Junior Inspectors	20-02-4260	Y
09/19/19	Full Source	478.65	Anniversary Event	20-08-4260	Y
09/23/19	Delta	396.60	Swope AWRA Conference	20-08-4265	Y
09/24/19	Buca di Beppo	291.29	Smart Salt Training	20-08-4265	Y
09/26/19	Brueggers	53.10	Smart Salt Training	20-08-4265	Y
09/26/19	Brueggers	19.77	Smart Salt Training	20-08-4265	Y
09/28/19	Caribou	49.13	Anniversary Event	20-08-4260	Y
09/28/19	Kwik	27.55	Gas for Vehicles	20-05-4322	Y
09/28/19	Kwik	30.31	Gas for Vehicles	20-05-4322	Y
09/29/19	Kowalski's	24.41	Anniversary Event	20-08-4260	Y
10/02/19	Holiday Station	56.21	Gas for Vehicles	20-05-4322	Y
10/08/19	U of M Continuing Learning	325.00	WRC Registration	20-08-4265	Y
10/08/19	Amazon	274.95	Data Collection Supplies	20-05-4260	Y
10/08/19	Chanhassen Goodyear	62.25	Vehicle Maintenance	20-08-4322	Y
10/09/19	Amazon	102.72	Data Collection Supplies	20-05-4260	Y
		<b>\$2,904.62</b>	<b>District-Wide Total</b>		
		<b>\$7,650.82</b>	<b>GRAND TOTAL</b>		



18681 Lake Drive East  
Chanhassen, MN 55317  
952-607-6512  
www.rpbcwd.org

Memorandum

Re: Governance Manual

Wednesday, October 23, 2019

Dear Managers,

The Governance Committee met on October 22<sup>nd</sup> to discuss the District Governance Manual. The Committee has reviewed the manual and have identified the need for legal to review, update and develop various sections. Legal Council would review and ensure that sections are in compliance with Minnesota State Statute, update per diem policies and review data practices law to name a few. Additionally, the Governance Committee has identified the need to create a more robust code of conduct in the manual.

As this would take time and effort, the committee would like the board to approve general legal expenditures to go towards this effort. Staff recommends that general legal funds be used to support this.

Sincerely,

Claire

Claire Bleser  
District Administrator