



**RAMSEY-WASHINGTON**  
METRO WATERSHED DISTRICT

# **January 2022 Board Packet**

\* \* \* \* \*

# Agenda

\* \* \* \* \*



## **Regular Board Meeting Agenda**

Wednesday, January 5, 2022

6:30 PM

*Due to the COVID19 pandemic, this month's board meeting will be held via the video conferencing platform Zoom. Board members, staff, consultants, and general public will be able to join in via video and/or phone. The public that wish to will be able to listen to meeting but not participate with the exception of the visitor comments portion of the agenda. If you have comments you may speak on the Zoom meeting during the visitor comments agenda item. Instructions for joining in on the Zoom meeting can be found after the agenda.*

1. Call to Order – 6:30 PM
2. **Approval of Agenda (pg. 3)**
3. **Consent Agenda: To all be approved with one motion unless removed from consent agenda for discussion.**
  - A. Approval of Regular Meeting Minutes December 8, 2021 (pg. 7)
  - B. Treasurer's Report and Bill List (pg. 17)
  - C. Permit Program
    - i. 22-01 MnDOT Highway 36 Drainage Infrastructure (pg. 36)
  - D. Stewardship Grant Program
    - i. 22-01 CS Woodbury City Hall Improvements, tree trench, native restoration (pg. 39)
  - E. District Liability Insurance Coverage Waiver (pg. 42)
4. Visitor Comments (limited to 4 minutes each)
5. Permit Program
  - A. Applications – see consent agenda
  - B. Enforcement Action Report (pg. 46)
  - C. Permit Program Summary 2019-2021 (pg. 48)
6. Stewardship Grant Program
  - A. Applications – see consent agenda
  - B. Budget Status Update (pg. 50)
7. Action Items - NONE
8. Attorney Report
9. Board Issues, Policies and Operation (for discussion at meeting)
  - A. West Vadnais Lake
  - B. Wetlands Strategies and Policies

- C. Phalen Creek Daylighting
- 10. Presentations
  - A. Kohlman Creek & Ames Lake Flood Risk Reduction Study - Part 3 (*pg. 52*)
- 11. Administrator's Report (*pg. 63*)
  - A. Meetings Attended
  - B. Upcoming Meetings and Dates
  - C. Ongoing Project/Program Updates
  - D. Annual Meeting
- 12. Project and Program Status Reports
  - A. Wetland Restoration Site Search Background Memo (*pg. 66*)
  - B. Ongoing Program and Project Status Updates (*pg. 91*)
    - i. Interim Emergency Response Planning
    - ii. Kohlman Creek and Phalen Chain of Lakes Flood Risk Reduction Feasibility Study
    - iii. Kohlman Permeable Weir Test System
    - iv. Shallow Lake Aeration Study
    - v. Keller Channel and Phalen Outlet Operations Plans
    - vi. North St. Paul Target Store Retrofit Project
    - vii. East St. Paul Target Store Retrofit Project
    - viii. Targeted Retrofit Projects
      - ix. Ryan Drive and Keller Parkway Conveyance Project
      - x. District Inspection Standardization
      - xi. CIP Maintenance and Repair Project 2021
      - xii. CIP Maintenance and Repair Project 2022
      - xiii. Natural Resources Program Update
      - xiv. Education Program Update
      - xv. Communications Program and Website Update
- 13. Manager Comments and Next Month's Meeting
- 14. **Adjourn**





# RAMSEY-WASHINGTON

## METRO WATERSHED DISTRICT

### **NOTICE OF BOARD MEETING**

**Wednesday, January 5, 2022**

**6:30 PM**

### **Via Web Conference and In Lieu of an In-Person Meeting**

Per Minnesota Statute 13D.021, President Lawrence Swope has determined that an in-person meeting of the RWMWD Board of Managers is not practical or prudent given the COVID-19 pandemic. In compliance with Center for Disease Control and Minnesota Department of Health guidance on minimizing potential for spread of the virus, RWMWD will conduct its regular Wednesday, January 5, 2022, meeting at 6:30 p.m. CDT, by web conference and conference call. Members of the public wishing to participate in the meeting may do so by accessing the web-based conference, or by phone. Due to the current health pandemic, President Swope has determined that attendance at the regular meeting location by members of the public is not prudent, and that the physical presence at the regular meeting location by at least one member of the organization is also not feasible.

To access the meeting via webcast, please use this link: <https://us02web.zoom.us/j/82990636976?pwd=S3V2Z0hFb0s5T1hoZ0VCOWx6MENLZz09>

The meeting room will open at 6:20 pm with the meeting starting at 6:30 pm. To connect to audio you may choose to use your computer audio options or you may use your mobile device to call. The phone access number is **(312) 626-6799**. The Meeting ID is **829 9063 6976**. The meeting password is **446865**. If you have any questions, please contact Tina Carstens at [tina.carstens@rwmwd.org](mailto:tina.carstens@rwmwd.org).

\* \* \* \* \*

# Consent Agenda

\* \* \* \* \*



**Ramsey-Washington Metro Watershed District  
Minutes of Regular Board Meeting  
December 8, 2021**

The Regular Meeting of December 8, 2021, was held via Zoom web conferencing. A video recording of the meeting can be found at <https://youtu.be/RXL7dcqox2Q>. Video time stamps included after each agenda item in minutes.

**PRESENT:**

Larry Swope, President  
Cliff Aichinger, Vice President  
Dianne Ward, Treasurer  
Dr. Pam Skinner, Secretary  
Val Eisele, Manager

**ABSENT:**

**ALSO PRESENT:**

Tina Carstens, District Administrator  
Laurann Kirschner, Attorney for District  
Nicole Soderholm, Permit Inspector  
Dave Vlasin, Project Coordinator

Paige Ahlborg, Project Manager  
Erin Anderson Wenz, Barr Engineering  
Bill Bartodziej, Natural Resource Specialist

**1. CALL TO ORDER**

The meeting was called to order by President Swope at 6:30 p.m.

**2. APPROVAL OF AGENDA (0:00:09)**

Motion: Manager Aichinger moved, Manager Skinner seconded, to approve the agenda as presented.

A roll call vote was performed:

Manager Aichinger	aye
Manager Eisele	aye
Manager Ward	aye
Manager Skinner	aye
President Swope	aye

Motion carried unanimously.

**3. CONSENT AGENDA (0:00:40)**

- A. Approval of Minutes from November 3, 2021
- B. Treasurer's Report and Bill List
- C. Permit Program
  - i. 21-31 – RWMWD 2022 CIP Maintenance and Repairs
  - ii. 21-32 – Rooney 2<sup>nd</sup> Addition – White Bear Lake
  - iii. 21-33 – Owasso Warehouse – Little Canada
- D. 2022 BMP Service Agreement – Washington Conservation District

E. 2022 BMP Service Agreement – Ramsey County

Motion: Manager Ward moved, Manager Eisele seconded, to approve the consent agenda as presented.

A roll call vote was performed:

Manager Aichinger	aye
Manager Eisele	aye
Manager Ward	aye
Manager Skinner	aye
President Swope	aye

Motion carried unanimously.

**4. VISITOR COMMENTS (0:01:12)**

There were none.

**5. PERMIT PROGRAM (0:01:22)**

A. Applications – See Consent Agenda

B. Monthly Enforcement Report

During November, 20 notices were sent to address: install/maintain inlet protection (4), install/maintain perimeter control (3), install/maintain construction entrance (1), sweep streets (4), stabilize exposed soils (2), contain liquid/solid waste materials (1), remove discharged sediment (1), protect/maintain permanent BMPs (2), install up-gradient BMPs (1), and install/maintain energy dissipation (1).

**6. STEWARDSHIP GRANT PROGRAM (0:02:36)**

A. Applications - None

B. Budget Status Update

No comments.

C. 2021 Program Overview and 2022 Program Review and Approval

Paige Ahlborg stated that 41 projects were approved, which is slightly lower than the previous year. She commented that there were a lot of smaller residential projects perhaps related to the pandemic as well as the drought conditions. She noted that there are two large projects that were planning to apply this year but will be applying in the next few months. She provided details on the 2021 project allocation as well as statistics for the program since its inception.

Manager Eisele asked if some cities do a better job educating its residents about the program.

Paige Ahlborg noted that many of the cities are great about sharing information about the program. She noted that some cities such as Saint Paul are harder because they are so large and there are transitions in staff.

Paige Ahlborg provided additional overview of the 2021 program including the number of projects per subwatershed.

Manager Aichinger commented that he is impressed with the even spread of projects throughout the District and that there is not a concentration of projects in areas.

Paige Ahlborg identified the locations of the 2021 projects and reviewed details on the grant inspections completed. She noted that the inspections and maintenance grant program has done a good job in ensuring project have good inspection grades. She highlighted different projects including the Snail Lake Shoreline Restoration, Twin Lake Shoreline Restoration, Lake Owasso Shoreline Restoration, BMP Maintenance Program, and CAC Assistance. She provided a sample of praise received from a resident that participated in the program. She also provided details on the following Targeted Retrofit Projects; St. Rose of Lima and North St. Paul Target. She highlighted proposed 2022 projects and stated that no changes are proposed for the priority subwatershed areas. She stated that she has received a number of requests from cities to complete additional street sweeping. She asked if the Board would be supportive of Barr identifying priority areas where street sweeping assistance could be offered.

Tina Carstens stated that there could be a built-in pilot in Woodbury as the South Washington Watershed District is working with them to identify priority areas for street sweeping in Woodbury. She noted that there could be an opportunity to partner with that watershed on the pilot.

Manager Aichinger confirmed that he would be interested in that, noting that the capacity is typically related to equipment and staffing of cities.

Manager Skinner agreed and did not think additional study is needed to support street sweeping assistance. She stated that she would even support the purchase of equipment for the District.

Tina Carstens stated that the other city is considering purchase of street sweeping equipment and provided funding for additional staff, as those seem to be the constraint for Woodbury.

Manager Aichinger stated that there is benefit in sweeping in priority areas. He stated that most cities do not have the personnel to operate the new equipment. He noted that the problem with loaning equipment to cities is that the cities would all want the equipment at the same time, since sweeping is typically done at the same times of the year. He believed that additional analysis should be done to determine if investment of equipment would be used sufficiently to support that purchase. He stated that it would make sense to partner with cities to use the equipment they have more frequently.

Manager Skinner believed that modeling would be able to show the benefit of additional equipment.

President Swope commented that Shoreview does a great job sweeping additional times during the year. He noted that perhaps a grant program be reviewed to ensure that cities doing a good job are not penalized.

Paige Ahlborg stated that there are no proposed changes for the 2022 grant coverage. She advised of Ramsey Soil and Water Division changes in staff.

Motion: Manager Aichinger moved, Manager Ward seconded, to approve 2022 Stewardship Grant Program as presented.

Further discussion: Manager Ward thanked Paige Ahlborg for the great presentation, noting that she appreciates the visual elements and details on specific projects. She asked if there has been any interest from municipalities to do example projects at City Hall locations.

Paige Ahlborg reviewed the different elements that have been incorporated at City Hall locations and continued discussions with city staff.

A roll call vote was performed:

Manager Aichinger	aye
Manager Eisele	aye
Manager Ward	aye
Manager Skinner	aye
President Swope	aye

Motion carried unanimously.

## **7. ACTION ITEMS (00:41:28)**

### **A. 2022 CIP Maintenance and Repair Project Bid Review and Award**

Erin Anderson Wenz stated that only two bids were received for the project but noted that they are competitive bids. She reviewed some of the reasons contractors provided for not submitting bids for the project. She reviewed the bids received noting that Fitzgerald was the low bidder with a bid of \$514,194. She stated that Fitzgerald has been doing good work on District projects but is still completing the 2021 CIP Maintenance and Repair Project. She stated that Fitzgerald received an extension to complete their year's project by December 31, 2021. She stated that it is appropriate to move forward with Fitzgerald as the lowest responsible bidder, but with the clause that if the 2021 work is not completed by the deadline, the project be brought back to the board for discussion.

Tina Carstens confirmed that staff would recommend that the award be contingent upon completion of the 2021 contract. She stated that if that is not done by the end of the year, staff would bring this back to the Board in January for discussion. She acknowledged that there would be a delay in the project if they had to rebid. She stated that the work of Fitzgerald has been excellent, but the District wants the 2021 project wrapped up.

Dave Vlasin provided an update on the work being completed at this time. He stated that two excavators were buried earlier in the year when the ground was soft, therefore Fitzgerald was waiting for the ground to freeze up to complete that work. He anticipated that the work would be done prior to the holidays.

President Swope asked if there are any observations on what the core issue is with Fitzgerald.

Dave Vlasin commented that some of the items are related to manufacturer delays but there are some minor things that could be completed. He confirmed that the larger items are out of the control of the contractor.

Tina Carstens confirmed that the Keller/Ryan Drive delays are not the fault of the contractor.

Erin Anderson Wenz commented that less than half of the bid price is reimbursed to the District as it is work being completed on behalf of the cities. She commented that the engineer's opinion of cost fell between the two bids received.

Motion: Manager Eisele moved, Manager Skinner seconded, to accept the bids and award the 2022 CIP Maintenance and Repair Project to Fitzgerald Excavating and direct District staff to prepare and mail the notice of award, prepare the draft agreements and review the required submittals, contingent upon completion of the 2021 contract prior to December 31, 2021.

A roll call vote was performed:

Manager Aichinger	aye
Manager Eisele	aye
Manager Ward	aye
Manager Skinner	aye
President Swope	aye

Motion carried unanimously.

**B. Stormwater Impact Fund Budget Transfer – Resolution 21-02**

Tina Carstens stated that the stormwater impact fund is collected through the permitting programs for projects that cannot accomplish the volume reduction requirements on their site. She explained that funds are then used from the stormwater impact fund towards stormwater projects completed in the subwatershed, such as targeted retrofit projects. She noted that the funds have been allocated internally but have not officially been transferred. She stated that she would propose to start a new fund that the funds would be transferred into and would propose three budget transfers: one to the new stormwater impact fund, one to the targeted retrofit fund, and one to the stewardship grant fund in order to account for projects that have been completed using those funds.

President Swope asked how the payments will be allocated in the future.

Tina Carstens commented that the funds would go into fund 536 and when a project is proposed it would show the portion funded from each fund and the funds would be taken in real time rather than after the fact.

Manager Aichinger agreed that this would be a good idea.

President Swope asked what would happen if a project cannot get rid of the water, pays into the fund, but has negative impact on adjacent properties.

Tina Carstens explained that the project would still need to meet the other requirements such as rate control and cannot increase the flow of runoff onto other properties.

Manager Eisele asked if the funds collected within a subwatershed are equally used for projects in that area.

Tina Carstens confirmed that there is a one-to-one replacement within the subwatershed. She noted that if a city contributes for a city project, the funds can be spent anywhere in the city for a project. She explained that cities wanted to ensure that taxpayer funds are used in the same municipality.

Manager Skinner stated that this is a great idea. She stated that perhaps they can continue to think in terms of policy and what the District could do to protect the natural environment. She stated that wetland credits are not available for purchase within the watershed and perhaps some of these funds are used to create wetlands, restore wetlands, or create previous areas that are currently impervious.

Tina Carstens stated that payment into the stormwater impact fund is the last step in a rigorous process. She stated that it is not an easy process for applicants to achieve. She stated that the funds are collected in lieu of water quality improvement and therefore the funds are being spent in the same manner.

Manager Aichinger stated that payment into the stormwater impact fund does not allow an applicant to pave over their site and remove all the trees. He noted that all other requirements would remain in place for the applicant. He stated that if an applicant does qualify for this, the funds are still used in a beneficial manner.

Laurann Kirschner stated that this does not act as a cap on liability and is a way for the applicant to make right by the District as the last step in a thorough process. She stated that the District is not forfeiting any remedy or recovery by having this in place.

Motion: Manager Aichinger moved, Manager Skinner seconded, to adopt Resolution #21-02.

A roll call vote was performed:

Manager Aichinger	aye
Manager Eisele	aye
Manager Ward	aye
Manager Skinner	aye
President Swope	aye

Motion carried unanimously.

C. Capital Improvements Budget Fund Transfers – Resolution 21-03

Tina Carstens stated that prior to the end of the year it is helpful to review funds that are no longer used and transfer the funds to appropriate funds. She provided details on the two proposed fund transfers.

Motion: Manager Aichinger moved, Manager Ward seconded, to adopt Resolution #21-03.

A roll call vote was performed:

Manager Aichinger	aye
Manager Eisele	aye
Manager Ward	aye
Manager Skinner	aye
President Swope	aye

Motion carried unanimously.

D. 2022 Budget and Levy Final Approval – Resolution 21-04

Tina Carstens presented the final proposed 2022 budget. She noted that no significant changes were made with the exception of the carryover amounts.

Manager Aichinger commented that this is an enviable levy.

President Swope commented that he would like to see staff communicate that to the public as the District has good management in holding the levy without increase.

Motion: Manager Eisele moved, Manager Ward seconded, to adopt Resolution #21-04.

A roll call vote was performed:

Manager Aichinger	aye
Manager Eisele	aye
Manager Ward	aye
Manager Skinner	aye
President Swope	aye

Motion carried unanimously.

**8. ATTORNEY REPORT (01:06:15)**

Laurann Kirschner stated that this past month they have been working on access agreements for the County Road D project. She stated that she is working on an access agreement with private residents.

President Swope asked what would happen such as the internet were not working or if Zoom were not working and it prevented Board members from being able to virtually attend a meeting.



Laurann Kirschner replied that if a quorum is not present, no formal action can occur. She noted that it would be the same situation if a quorum of members could not be present in person. She stated that as things continue with the pandemic, they should perhaps explore the District's virtual meeting protocol.

**9. BOARD ISSUES, POLICIES AND OPERATION (FOR DISCUSSION AT MEETING (01:11:10))**

**A. West Vadnais Lake Update**

President Swope stated that this will be discussed in January.

**B. Wetland Workshop**

President Swope stated that this item will also be continued.

**C. MAWD Annual Meeting/Business Meeting**

President Swope noted that there was a presentation from Barr on wetland restoration. He commented that he also found the presentation on using spent lime in place of alum interesting.

Tina Carstens stated that the District is partnering with Barr Engineering on that project.

President Swope stated that Manager Aichinger stepped up during the MAWD annual business meeting and expressed thanks.

Manager Aichinger commented that he believes the needed changes through resolution were made.

Tina Carstens provided additional details on the business meeting session portion of that meeting and how the adopted resolutions are used by MAWD. She confirmed that once the information is available on the MAWD website she could send links to the Board.

**10. PRESENTATIONS (01:18:40)**

**A. Kohlman Creek & Ames Lake Flood Risk Reduction Study Updates**

Erin Anderson Wenz acknowledged that this is a complicated process but explained that it is also meaningful work to know where homes are at risk and work through what the District may be able to do in partnership with cities. She explained what the different colors mean within the story map and related reports. She stated that the purpose of the discussion tonight is to discuss the potential system modifications that could remove additional structures from the floodplain. She provided additional explanation on the different features of the story map.

Erin Anderson Wenz focused on areas throughout the Kohlman Creek subwatershed (Phase 3) and the Phalen Chain of Lakes Subwatershed (Phase 4). She identified the potential projects are marked moving from upstream to downstream, as upstream actions impact downstream areas and she provided details on the potential projects and the properties that would be positively impacted.

Manager Eisele asked for details on the return on investment ratios for the projects and properties.

Erin Anderson Wenz replied that at the next meeting there will be a review of the planning level cost estimates along with property value estimates in order to discuss costs and benefits of different system modifications.

Manager Skinner stated that she would like to see bonus points awarded for improvements that can be done above ground compared to underground or piped projects.

Erin Anderson Wenz confirmed that would be part of the discussion at the next meeting. She continued to provide details on potential projects and their impacts.

Manager Eisele asked if once projects are completed, would there also be conversations with the cities to highlight the benefits of ongoing maintenance or other projects they could complete.

Erin Anderson Wenz commented that the cities have seen these maps showing the impacted properties. She confirmed that staff would continue conversations with cities to discuss what they could do as well.

Tina Carstens confirmed that the cities are aware of the issues and the District can help to be a catalyst. She agreed that the cities would be partners in some of these projects as they move ahead.

Manager Aichinger asked what the cities are saying about the local flooding issues they are aware of.

Tina Carstens commented that funding is the biggest issue or concern. She acknowledged that the projects have large costs.

Erin Anderson Wenz commented that the District is ahead of many other watersheds in terms of its modeling, studies, and reporting. She stated that it is exciting to think about forging ahead with the cities and getting the information out. She stated that other watershed management organizations are asking about the work that RWMWD is doing.

Manager Ward stated that it is one thing to have this information available to the public and it is another thing to perhaps work with the cities to send letters to specific property owners alerting them of the options. She stated that people in this area are not aware of flood insurance and therefore education in these areas could be beneficial.

Tina Carstens stated that Ramsey County emergency management would like to be included in discussions as well.

Erin Anderson Wenz continued to review potential project details and information on the benefits that would be provided to impacted properties. She also provided information on how different projects could work together to provide additional benefit. She explained the large scale of some of the projects and the different entities that would need to be involved. She moved to the Ames Lake area and highlighted the potential projects, providing details, and identifying properties that would receive benefit. She noted that they have also started to look at the frequency of which the low elevation homes are being flooded during different flood events to better determine what would be needed to protect those properties.

Manager Eisele asked if staff has considered putting interactive maps on the website to gain input from residents.

Erin Anderson Wenz noted that the next step would be to have discussions with the cities, as they should have input on the communication to residents as well. She stated that the intent of this phase was to look for regional solution options. She noted that they will engage with the cities to gain their input and will also delve further into more localized solutions.

Manager Ward commented that it is nice to see how the projects work together and the benefits that will be provided, in addition to information related to cost.

Manager Skinner acknowledged that improvements upstream have an impact downstream. She stated that she would also be interested to know that holding water upstream will not impact areas further upstream.

Erin Anderson Wenz confirmed that they would not want to transfer a problem from one area to another. She highlighted the next portion of the discussion which will take place at the next meeting.

President Swope noted that the next phase of the discussion may take multiple meetings.

Manager Ward stated that it would also be helpful to see some of the lower hanging fruit standalone projects.

## **11. ADMINISTRATOR'S REPORT (02:29:37)**

### **A. Meetings Attended**

Tina Carstens provided an update on the joint meeting between MAWA and SWCD.

### **B. Upcoming Meetings and Dates**

Tina Carstens highlighted upcoming meetings and activities. She noted that a date has not yet been selected for the holiday party. She also highlighted upcoming meeting dates and it was confirmed that the January meeting would most likely be held on Zoom again.

### **C. Ongoing Project/Program Updates**

Tina Carstens stated that the Roseville City Council accepted the EAW for the Victoria Shores project and accepted that process as complete as they did not recommend an EIS.

Manager Ward asked what the barrier to getting the park permit completed was.

Tina Carstens commented that there is draft language which is being modeled after the right-of-way permit language.

Manager Ward asked if legal counsel has been involved.

Laurann Kirschner commented that she has not been involved but could be if desired.

Tina Carstens commented that there is nothing planned on parks property for this next year. She stated that she was planning to have legal counsel review the draft once received.

### **D. Final Public Art Policy**

No comments.

## **12. PROJECT AND PROGRAM STATUS REPORTS (02:40:18)**

### **A. Ongoing Project and Program Updates**

- A. Interim Emergency Response Planning
- B. Kohlman Creek Flood Risk Reduction Feasibility Study
- C. Special Project BMP Monitoring
- D. Kohlman Permeable Weir Test System
- E. Shallow Lake Aeration Study
- F. Keller Channel and Phalen Outlet Operations Plans
- G. North St. Paul Target Store Retrofit Project
- H. East St. Paul Target Store Retrofit Project
- I. Targeted Retrofit Projects
- J. Keller Channel Weir and Phalen Outlet Resiliency Modifications
- K. Ryan Drive and Keller Parkway Conveyance Project
- L. Twin Lake Outlet
- M. District Inspection Standardization
- N. CIP Maintenance and Repair Project 2021
- O. CIP Maintenance and Repair Project 2022
- P. Natural Resource Program Update
- Q. Education Program Update

R. Communications Program and Website Update

Manager Ward asked for an update on the District inspection standardization and whether the ranking has been approved and whether the method is being tested with current projects.

President Swope stated that when the Board approved moving forward with the development of the inspection process in September, there were a series of tables that provided milestones and dates. He stated that he would like to see those tables filled in so the Board can follow the progress.

Tina Carstens commented that staff does receive those scope summary updates and could provide that information to the Board as well.

Erin Anderson Wenz commented that there is a lot of compiling for the tool being done. She stated that the tool is still in development.

Tina Carstens stated that District staff will meet with Barr in December to test the tool with the information inserted thus far.

Manager Ward asked for an update on the Wetland A video that was discussed in previous meeting minutes.

Bill Bartodziej commented that some voiceover work was completed this week and believed that perhaps the video would be done the next week.

Manager Ward commented that she would also like to see an update on the website priorities that were discussed at a previous meeting.

President Swope commented that the Owasso shoreline project looks great. He asked if there has been thought of storyboards or public art.

Bill Bartodziej confirmed that staff could look into those ideas.

**13. MANAGER COMMENTS AND NEXT MONTH'S MEETING**

No comments.

**14. ADJOURN**

Motion: Manager Skinner moved, Manager Aichinger seconded, to adjourn the meeting at 9:21 p.m. Motion carried unanimously.

**RWMWD BUDGET STATUS REPORT**  
**Administrative & Program Budget**  
**Fiscal Year 2021**  
**12/31/2021**

Budget Category	Budget Item	Account Number	Original Budget	Budget Transfers	Current Month Expenses	Year-to-Date Expenses	Current Budget Balance	Percent of Budget
Manager	Per diems	4355	\$8,500.00	-	-	\$5,675.00	\$5,675.00	33.24%
	Manager expenses	4360	3,500.00	-	-	3,500.00	3,500.00	0.00%
Committees	Committee/Bd Mtg. Exp.	4365	3,500.00	-	295.00	3,723.84	(223.84)	106.40%
	<b>Sub-Total: Managers/Committees:</b>		<b>\$15,500.00</b>	<b>\$0.00</b>	<b>\$295.00</b>	<b>\$6,548.84</b>	<b>\$8,951.16</b>	<b>42.25%</b>
Employees	Staff salary/taxes/benefits	4010	1,520,000.00	-	116,721.05	1,575,281.14	(55,281.14)	103.64%
	Employee expenses	4020	15,000.00	-	644.90	7,161.38	7,838.62	47.74%
	District training & education	4350	75,000.00	-	1,720.54	15,960.24	59,039.76	21.28%
	<b>Sub-Total: Employees:</b>		<b>\$1,610,000.00</b>	<b>\$0.00</b>	<b>\$119,086.49</b>	<b>\$1,598,402.76</b>	<b>\$11,597.24</b>	<b>99.28%</b>
Administration/ Office	GIS system maint. & equip.	4170	10,000.00	-	400.00	2,087.02	7,912.98	20.87%
	Data Base/GIS Maintenance	4171	40,000.00	-	-	3,770.00	36,230.00	9.43%
	Equipment maintenance	4305	3,000.00	-	-	-	3,000.00	0.00%
	Telephone	4310	8,000.00	-	668.34	1,308.06	6,691.94	16.35%
	Office supplies	4320	7,000.00	-	468.40	4,377.26	2,622.74	62.53%
	IT/Internet/Web Site/Software Lic.	4325	70,000.00	-	5,109.77	63,463.47	6,536.53	90.66%
	Postage	4330	3,000.00	-	34.80	2,208.49	791.51	73.62%
	Printing/copying	4335	8,000.00	-	617.40	4,981.80	3,018.20	62.27%
	Dues & publications	4338	11,000.00	-	-	11,567.63	(567.63)	105.16%
	Janitorial/Trash Service	4341	15,000.00	-	1,153.00	11,008.08	3,991.92	73.39%
	Utilities/Bldg.Contracts	4342	30,000.00	-	3,793.47	14,176.58	15,823.42	47.26%
	Bldg/Site Maintenance	4343	150,000.00	-	165.50	33,243.21	116,756.79	22.16%
	Miscellaneous	4390	5,000.00	-	-	-	5,000.00	0.00%
	Insurance	4480	50,000.00	-	-	44,642.00	5,358.00	89.28%
	Office equipment	4703	150,000.00	-	12,582.21	154,499.28	(4,499.28)	103.00%
	Vehicle lease, maintenance	4810-40	43,000.00	-	80.33	6,276.69	36,723.31	14.60%
	<b>Sub-Total: Administration/Office:</b>		<b>\$603,000.00</b>	<b>\$0.00</b>	<b>\$25,073.22</b>	<b>\$357,609.57</b>	<b>\$245,390.43</b>	<b>59.31%</b>
Consultants/ Outside Services	Auditor/Accounting	4110	65,000.00	-	1,950.22	51,397.70	13,602.30	79.07%
	Engineering-administration	4121	93,000.00	-	5,914.00	69,801.50	23,198.50	75.06%
	Engineering-permit I&E	4122	10,000.00	-	-	2,918.40	7,081.60	29.18%
	Engineering-eng. review	4123	55,000.00	-	4,414.00	46,291.00	8,709.00	84.17%
	Engineering-permit review	4124	55,000.00	-	2,400.00	44,107.00	10,893.00	80.19%
	Project Feasibility Studies	4129	440,000.00	-	32,762.02	232,672.97	207,327.03	52.88%
	Attorney-permits	4130	10,000.00	-	-	-	10,000.00	0.00%
	Attorney-general	4131	40,000.00	-	1,375.00	27,341.85	12,658.15	68.35%
	Outside Consulting Services	4160	20,000.00	-	-	-	20,000.00	0.00%
	<b>Sub-Total: Consultants/Outside Services:</b>		<b>\$788,000.00</b>	<b>\$0.00</b>	<b>\$48,815.24</b>	<b>\$474,530.42</b>	<b>\$313,469.58</b>	<b>60.22%</b>
Programs	Educational programming	4370	60,000.00	-	1,064.73	22,531.71	37,468.29	37.55%
	Communications & Marketing	4371	25,000.00	-	2,067.62	26,155.71	(1,155.71)	104.62%
	Events	4372	50,000.00	-	80.83	36,556.10	13,443.90	73.11%
	Water QM-Engineering	4520-30	180,000.00	-	4,646.36	172,372.33	7,627.67	95.76%
	Project operations	4650	200,000.00	-	1,637.63	67,594.19	132,405.81	33.80%
	SLMP/TMDL Studies	4661	103,000.00	-	2,581.00	16,763.50	86,236.50	16.28%
	Natural Resources/Keller Creek	4670-72	140,000.00	-	6,869.02	102,613.64	37,386.36	73.30%
	Outside Prog.Support/Weed Mgmt.	4683-84	127,000.00	-	-	23,775.00	103,225.00	18.72%
	Research Projects	4695	95,000.00	-	527.00	89,255.55	5,744.45	93.95%
	Health and Safety Program	4697	3,000.00	-	-	987.89	2,012.11	32.93%
	<b>Sub-Total: Programs:</b>		<b>\$983,000.00</b>	<b>\$0.00</b>	<b>\$19,474.19</b>	<b>\$558,605.62</b>	<b>\$424,394.38</b>	<b>56.83%</b>
<b>GENERAL FUND TOTAL</b>			<b>\$3,999,500.00</b>	<b>\$0.00</b>	<b>\$212,744.14</b>	<b>\$2,995,697.21</b>	<b>\$1,003,802.79</b>	<b>74.90%</b>
CIP's	CIP Project Repair & Maintenance	516	1,325,000.00	-	203,032.48	1,278,490.64	46,509.36	96.49%
	Targeted Retrofit Projects	518	2,810,000.00	-	8,658.46	968,027.60	1,841,972.40	34.45%
	Flood Risk Reduction Fund	520	4,200,000.00	-	9,341.94	1,806,840.84	2,393,159.16	43.02%
	Debt Services-96-97 Beltline/MM/Battle Creek	526	394,901.00	-	-	397,795.30	(2,894.30)	100.73%
	Stewardship Grant Program Fund	529	1,000,000.00	-	36,328.62	507,817.73	492,182.27	50.78%
	Wetland Restoration Projects	540	500,000.00	-	-	-	500,000.00	0.00%
	Wakefield Park Project	553	-	-	-	5,128.50	(5,128.50)	---
	District Office Bond Payment	585	194,885.00	-	-	-	194,885.00	0.00%
<b>CIP BUDGET TOTAL</b>			<b>\$10,424,786.00</b>	<b>-</b>	<b>\$257,361.50</b>	<b>\$4,964,100.61</b>	<b>\$5,460,685.39</b>	<b>47.62%</b>
<b>TOTAL BUDGET</b>			<b>\$14,424,286.00</b>	<b>\$0.00</b>	<b>\$470,105.64</b>	<b>\$7,959,797.82</b>	<b>\$6,464,488.18</b>	<b>55.18%</b>

**Current Fund Balances:**

Fund:	Beginning Fund Balance @ 12/31/20	Fund Transfers	Year to date Revenue	Current Month Expenses	Year to Date Expense	Unaudited Fund Balance @ 12/31/21
101 - General Fund	\$4,364,963.52	(1,277,181.71)	2,276,577.81	212,744.14	2,995,697.21	2,368,662.41
516 - CIP Project Repair & Maintenance	627,656.44	-	867,023.12	203,032.48	1,278,490.64	216,188.92
518 - Targeted Retrofit Projects	1,012,501.35	905,365.21	292,211.88	8,658.46	968,027.60	1,242,050.84
520 - Flood Damage Reduction Fund	3,312,849.57	-	1,956,171.22	9,341.94	1,806,840.84	3,462,179.95
526 - Debt Services-96-97 Beltline/MM/Beltline-Battle Creek Tunnel Repair	949,395.60	-	90,648.14	-	397,795.30	642,248.44
529 - Stewardship Grant Program Fund	622,020.57	57,000.00	687,934.47	36,328.62	507,817.73	859,137.31
536 - Stormwater Impact Fund	-	314,816.50	-	-	-	314,816.50
540 - Wetland Restoration Projects	-	-	491,381.77	-	-	491,381.77
553 - Wakefield Park Project	151,270.20	(146,141.70)	-	-	5,128.50	-
580 - Contingency Fund	891,682.00	542,065.54	-	-	-	1,433,747.54
585 - Certificates of Participation	204,397.98	(395,923.84)	191,525.86	-	-	-
<b>Total District Fund Balance</b>	<b>\$12,136,737.23</b>	<b>\$0.00</b>	<b>\$ 6,853,474.27</b>	<b>\$ 470,105.64</b>	<b>\$7,959,797.82</b>	<b>\$11,030,413.68</b>

**Ramsey Washington Metro Watershed Dist.**  
**Check Register**  
**For the Period From Dec 1, 2021 to Dec 31, 2021**

Check #	Date	Payee ID	Invoice #	Payee	Description	Amount
EFT	12/01/21	met008	Dec 2021	MetLife-Group Benefits	Employee Benefits	\$1,616.96
EFT	12/14/21	hea002	Dec 2021	HealthPartners	Employee Benefits	12,563.83
71397V	11/30/21	cit023	Mar 2020	City of St. Paul	Events	(50.00)
71402V	11/30/21	nsp002	Twin Lake Outlet	Xcel Energy	Construction-Flood Damage	(500.00)
71969V	11/30/21	com004	Dec 2020	Comcast	Utilities/Bldg. Contracts	(65.38)
72236V	11/30/21	fit002	May 2021	Mary Fitzgerald	Employee Reimbursement	(52.88)
72690	12/13/21	ada002	3370243	Adam's Pest Control, Inc.	Utilities/Bldg. Contracts	158.00
72691	12/13/21	aws001	S1335957	AWS Service Center	Janitorial/Trash Service	258.00
72692	12/13/21	cen006	842166	Century Power Sports & Equipment	Natural Resources Project	112.69
72693	12/13/21	fit002	Re-issue	Mary Fitzgerald	Employee Reimbursement	52.88
72694	12/13/21	inn002	202347	Innovative Office Solutions LLC	Office Equipment	12,582.21
72695	12/13/21	kob001	Re-issue	Julia R. Kobilka	Employee Reimbursement	101.00
72696	12/13/21	pac001	2110355054	Pace Analytical Services, Inc.	Water QM Staff	2,444.00
72697	12/13/21	pre003	318487938	Premium Waters, Inc.	Utilities/Bldg. Contracts	56.00
72698	12/13/21	tes001	S347897-IN	The Tessman Company	Construction-Maint. & Repair	144.00
72699	12/13/21	usb005	459224382	US Bank Equipment Finance	Printing Expense	323.40
72700	12/13/21	vik001	3230014	Viking Industrial Center	Water QM Staff	108.60
72701	12/28/21	ada002	3414612	Adam's Pest Control, Inc.	Utilities/Bldg. Contracts	79.00
72702	12/28/21	ahl001	Dec 2021	Paige Ahlberg	Employee Reimbursement	172.00
72703	12/28/21	ama001	1368	Amazeworks	Communications & Marketing	2,000.00
72704	12/28/21	ame005	39457	American Bronze Casting, Inc.	Educational Program	429.00
72705	12/28/21	and004	20-13 MTN	Paul Anderson	Stewardship Grant Fund	360.00
72706	12/28/21	arl002	19-02 MTN	Janet Arlth	Stewardship Grant Fund	197.53
72707	12/28/21	att002	287256653401X12252021	AT & T Mobility - ROC	Proj. Oper/IT/Water QM	166.34
72708	12/28/21	bar001	11/20/21 - 12/17/21	Barr Engineering	November/December Engineering	97,839.82
72709	12/28/21	bar002	11/20-12/17/21	Bill Bartodziej	Employee Reimbursement	730.28
72710	12/28/21	bau001	21-01 MTN	Paul Bauer	Stewardship Grant Fund	300.00
72711	12/28/21	bre003	1st Qtr-2022	Bremer Bank	Employee Benefits	8,668.75
72712	12/28/21	bro001	15150591-00	Brock White, Inc.	Natural Resources Project	226.86
72713	12/28/21	cad001	17942096	Allstream	Water QM Staff	73.42
72714	12/28/21	chi003	19-06	Christ United Methodist Church	Stewardship Grant Fund	222.50
72715	12/28/21	cit011	230559	City of Roseville	IT/Website/Software	4,958.78
72716	12/28/21	dav003	122308	Davey Resource Group, Inc.	Construction-Maint. & Repair	9,357.75
72717	12/28/21	don001	Nov/Dec 2021	Matthew Doneux	Employee Reimbursement	704.03
72718	12/28/21	don003	21-04 MTN	Jake Donahue	Stewardship Grant Fund	257.50
72719	12/28/21	eve001	19-11 MTN	Evergreen Country Homes	Stewardship Grant Fund	537.50
72720	12/28/21	fit001	Progress Pay #3 & #5	Fitzgerald Excavating & Trucking, Inc.	Constr.Maint.-Pay #3 & Pay #5	152,436.12
72721	12/28/21	fit002	Dec 2021	Mary Fitzgerald	Employee Reimbursement	57.75
72722	12/28/21	gal001	Dec 2021	Galowitz Olson, PLLC	December Legal Fees	1,375.00
72723	12/28/21	gra004	19-07 MTN	Granite Trails Apartments, LLC	Stewardship Grant Fund	1,000.00
72724	12/28/21	gsd001	000001	GSD Virtual Assistant	Training & Education	512.50
72725	12/28/21	ham004	19-08 MTN	Hampden Woods HOA	Stewardship Grant Fund	919.94
72726	12/28/21	han008	1663	Hanna Enterprises, Inc.	Janitorial/Trash Service	345.00
72727	12/28/21	haz001	Dec 2021	Lauren Hazenson	Employee Reimbursement	200.00
72728	12/28/21	inn002	IN3574955	Innovative Office Solutions LLC	Office Supplies	289.41
72729	12/28/21	int001	W21110492	Office of MN, IT Services	Telephone Expense	59.34
72730	12/28/21	int003	183853	Intereum, Inc.	Telephone Expense	609.00
72731	12/28/21	kel007	20-08 MTN	Keller Property Management	Stewardship Grant Fund	800.00
72732	12/28/21	kor001	Dec 2021	Eric Korte	Employee Reimbursement	233.35
72733	12/28/21	kos001	19-09 MTN	Helen Kosobayashi	Stewardship Grant Fund	200.00
72734	12/28/21	low001	21-01 CS	Lower Phalen Creek Project	Stewardship Grant Fund	10,000.00
72735	12/28/21	mel001	Dec 2021	Michelle L. Melser	Employee Reimbursement	123.71
72736	12/28/21	min008	31991	Minnesota Native Landscapes, Inc.	Construction-Maint. & Repair	16,179.00
72737	12/28/21	nep001	Dec 2021	NCPERS Group Life Ins.	Employee Benefits	16.00
72738	12/28/21	new003	21-08 MTN	New Horizon Academy	Stewardship Grant Fund	150.00
72739	12/28/21	nsp001	761109504	Xcel Energy	Utilities/Water QM/Constr.	3,962.29

**Ramsey Washington Metro Watershed Dist.**  
**Check Register**  
**For the Period From Dec 1, 2021 to Dec 31, 2021**

Check #	Date	Payee ID	Invoice #	Payee	Description	Amount
72740	12/28/21	out001	Pay #5-Final	Outdoor Lab Landscape Design, Inc.	Construction-Targeted Retrofit	2,090.60
72741	12/28/21	pac001	2110359097	Pace Analytical Services, Inc.	Water QM Staff	522.00
72742	12/28/21	pas002	Dec 2021	Sage Passi	Employee Reimbursement	137.97
72743	12/28/21	pet001	47778	Peterson Companies, Inc.	Construction-Maint. & Repair	1,934.08
72744	12/28/21	pro003	Dec 2021	Lyndsey R. Provos	Employee Reimbursement	52.32
72745	12/28/21	qwe001	Dec 2021	CenturyLink	Project Operations	252.39
72746	12/28/21	ram002	PRK-001977	Ramsey County	Stewardship Grant Fund	3,101.13
72747	12/28/21	red002	150466846	Redpath & Company	November Accounting	1,950.22
72748	12/28/21	red004	2263	Red Rock Fire	Natural Resources Project	769.50
72749	12/28/21	rjm002	20-40	RJML, LLC	Dev.Escrow-General	6,000.00
72750	12/28/21	ron002	21-11 MTN	Jeff Ronning	Stewardship Grant Fund	362.00
72751	12/28/21	rou002	20-01 MTN	Round Lake Trail	Stewardship Grant Fund	300.00
72752	12/28/21	san003	113021	Sandstrom Land Management	Construction-Maint. & Repair	617.50
72753	12/28/21	sed001	21-14 MTN	Tom Sedlack	Stewardship Grant Fund	425.00
72754	12/28/21	she003	18-03 MTN	Shepherd of the Hills Lutheran Church	Stewardship Grant Fund	595.00
72755	12/28/21	sim001	Dec 2021	Emily Simmons	Employee Reimbursement	70.71
72756	12/28/21	sod001	Dec 2021	Nicole Soderholm	Employee Reimbursement	46.16
72757	12/28/21	tim002	M26957	Timesaver Off-Site Secretarial, Inc.	Committee/Board Meeting	295.00
72758	12/28/21	tow002	20-09 MTN	Townhouses of Pathways	Stewardship Grant Fund	800.00
72759	12/28/21	tri005	20-10 MTN	Trinity Presbyterian Church	Stewardship Grant Fund	400.00
72760	12/28/21	tro002	21-12	Cathy Troendle	Educational Program	625.00
72761	12/28/21	tym001	19-43	Tyme Properties, LLC	Dev.Escrow-General	12,440.00
72762	12/28/21	usb002	Dec 2021	U.S. Bank	December Credit Card Expense	3,854.91
72763	12/28/21	usb005	Dec 2021	US Bank Equipment Finance	Printing Expense	294.00
72764	12/28/21	van001	Dec 2021	Vanguard Cleaning Systems of Minnesota	Janitorial/Trash Service	550.00
72765	12/28/21	ves001	18-05	Peter Vesterholt	Stewardship Grant Fund	395.00
72766	12/28/21	voy001	869293432152	US Bank Voyager Fleet Sys.	Vehicle Expense	80.33
72767	12/28/21	wal007	21-30 CS	Heather Walch	Stewardship Grant Fund	2,212.28
72768	12/28/21	was002	5432	Washington Conservation District	Stewardship Grant Fund	3,312.00
72769	12/28/21	lak007	Dec 2021	Lake Aquatic Weed Removal	Natural Resources Project	4,997.50
<b>Total</b>						<b>\$396,085.38</b>
EFT	11/12/21	myp001	11/12/21	November 12th Payroll Fees	4110-101-000	68.10
EFT	11/26/21	myp001	11/26/21	November 26th Payroll Fees	4110-101-000	68.10
Dir.Dep.	12/10/21	---	Payroll Expense-Net	December 10th Payroll	4010-101-000	28,368.53
EFT	12/10/21	int002	Internal Rev.Serv.	December 10th Federal Withholding	2001-101-000	10,220.53
EFT	12/10/21	mnd001	MN Revenue	December 10th State Withholding	2003-101-000	1,833.43
EFT	12/10/21	per001	PERA	December 10th PERA	2011-101-000	6,179.23
EFT	12/10/21	emp002	Empower Retirement	Employee Def.Comp. Contributions	2016-101-000	2,345.00
EFT	12/10/21	emp002	Empower Retirement	Employee IRA Contributions	2018-101-000	400.00
Dir.Dep.	12/24/21	---	Payroll Expense-Net	December 24th Payroll	4010-101-000	28,368.52
EFT	12/24/21	int002	Internal Rev.Serv.	December 24th Federal Withholding	2001-101-000	10,220.55
EFT	12/24/21	mnd001	MN Revenue	December 24th State Withholding	2003-101-000	1,833.43
EFT	12/24/21	per001	PERA	December 24th PERA	2011-101-000	6,179.23
EFT	12/24/21	emp002	Empower Retirement	Employee Def.Comp. Contributions	2016-101-000	2,345.00
EFT	12/24/21	emp002	Empower Retirement	Employee IRA Contributions	2018-101-000	400.00
<b>Payroll/Benefits:</b>						<b>\$98,829.65</b>
<b>Total</b>						<b>Accounts Payable/Payroll/Benefits: \$494,915.03</b>

**Ramsey Washington Metro Watershed Dist.**  
**Cash Disbursements Journal**  
**For the Period From December 1, 2021 - December 31, 2021**

Date	Check #	Vendor ID	Name	Account ID	Account Description	Amount	Check Detail
12/01/21	EFT	met008	MetLife-Group Benefits	4040-101-000	Employee Benefits-General	\$1,616.96	
12/14/21	EFT	hea002	HealthPartners	4040-101-000	Employee Benefits-General	12,563.83	
11/30/21	71397V	cit023	City of St. Paul	4372-101-000	Events	(50.00)	
11/30/21	71402V	nsp002	Xcel Energy	4630-520-000	Construction-Flood Damage	(500.00)	
11/30/21	71969V	com004	Comcast	4342-101-000	Utilities/Bldg. Contracts	(65.38)	
11/30/21	72236V	fit002	Mary Fitzgerald			(52.88)	
				4040-101-000	Employee Benefits-General		(40.00)
				4020-101-000	Employee Expenses-General		(12.88)
12/13/21	72690	ada002	Adam's Pest Control, Inc.	4342-101-000	Utilities/Bldg. Contracts	158.00	
12/13/21	72691	aws001	AWS Service Center	4341-101-000	Janitorial/Trash Service	258.00	
12/13/21	72692	cen006	Century Power Sports & Equipment	4670-101-000	Natural Resources Project-General	112.69	
12/13/21	72693	fit002	Mary Fitzgerald			52.88	
				4040-101-000	Employee Benefits-General		40.00
				4020-101-000	Employee Expenses-General		12.88
12/13/21	72694	inn002	Innovative Office Solutions, LLC	4703-101-000	Office Equipment-General	12,582.21	
12/13/21	72695	kob001	Julia Kobilka			101.00	
				4040-101-000	Employee Benefits-General		43.18
				4670-101-000	Natural Resources Project-General		10.22
				4020-101-000	Employee Expenses-General		47.60
12/13/21	72696	pac001	Pace Analytical Services, Inc.	4530-101-000	Water QM Staff-General	2,444.00	
12/13/21	72697	pre003	Premium Waters, Inc.	4342-101-000	Utilities/Bldg. Contracts	56.00	
12/13/21	72698	tes001	The Tessman Company	4630-516-000	Construction Imp.-Maint. & Repair	144.00	
12/13/21	72699	usb005	US Bank Equipment Finance	4335-101-000	Printing-General	323.40	
12/13/21	72700	vik001	Viking Industrial Center	4530-101-000	Water QM Staff-General	108.60	
12/28/21	72701	ada002	Adam's Pest Control, Inc.	4342-101-000	Utilities/Bldg. Contracts	79.00	
12/28/21	72702	ahl001	Pagie Ahlborg			172.00	
				4040-101-000	Employee Benefits-General		130.00
				4020-101-000	Employee Expenses-General		42.00
12/28/21	72703	ama001	Amazeworks	4371-101-000	Communications & Marketing	2,000.00	
12/28/21	72704	ame005	American Bronze Casting, Inc.	4370-101-000	Educational Program-General	429.00	
12/28/21	72705	and004	Paul Anderson	4682-529-000	Stewardship Grant Fund	360.00	
12/28/21	72706	arl002	Janet Arleth	4682-529-000	Stewardship Grant Fund	197.53	
12/28/21	72707	att002	AT & T Mobility - ROC			166.34	
				4530-101-000	Water QM Staff-General		27.22
				4325-101-000	IT/Website/Software		54.86
				4650-101-000	Project Operations-General		84.26
12/28/21	72708	bar001	Barr Engineering			97,839.82	
				4121-101-000	Engineering Admin-General Fund		5,914.00
				4123-101-000	Engineering-Review		4,414.00
				4129-101-000	Project Feasability-General		5,509.50
				4129-101-000	Project Feasability-General		17,859.00
				4129-101-000	Project Feasability-General		1,677.52
				4129-101-000	Project Feasability-General		6,358.00
				4129-101-000	Project Feasability-General		1,358.00



**Ramsey Washington Metro Watershed Dist.**  
**Cash Disbursements Journal**  
**For the Period From December 1, 2021 - December 31, 2021**

Date	Check #	Vendor ID	Name	Account ID	Account Description	Amount	Check Detail
				4520-101-000	Water QM-Engineering		438.50
				4520-101-000	Water QM-Engineering		178.00
				4124-101-000	Engineering-Permit Review		2,400.00
				4661-101-000	SLMP/TMDL Studies		1,080.00
				4661-101-000	SLMP/TMDL Studies		90.00
				4661-101-000	SLMP/TMDL Studies		1,411.00
				4695-101-000	Research Projects-General		325.00
				4695-101-000	Research Projects-General		202.00
				4650-101-000	Engineering-Project Operations		1,241.00
				4128-518-000	Engineering-Targeted Retrofit		346.00
				4128-518-000	Engineering-Targeted Retrofit		168.50
				4128-518-000	Engineering-Targeted Retrofit		3,065.36
				4128-518-000	Engineering-Targeted Retrofit		2,988.00
				4682-529-000	Stewardship Grant Fund		9,481.24
				4128-520-000	Engineering-Flood Damage		609.00
				4128-520-000	Engineering-Flood Damage		8,462.64
				4128-516-000	Engineering-Maint. & Repair		8,714.70
				4128-516-000	Engineering-Maint. & Repair		292.36
				4128-516-000	Engineering-Maint. & Repair		2,004.00
				4128-516-000	Engineering-Maint. & Repair		2,037.50
				4128-516-000	Engineering-Maint. & Repair		1,670.50
				4128-516-000	Engineering-Maint. & Repair		7,544.50
12/28/21	72709	bar001	Bill Bartodziej			730.28	
				4670-101-000	Natural Resources Project-General		50.08
				4020-101-000	Employee Expenses-General		299.04
				4040-101-000	Employee Benefits-General		381.16
12/28/21	72710	bau001	Paul Bauer	4682-529-000	Stewardship Grant Fund	300.00	
12/28/21	72711	bre003	Bremer Bank	4040-101-000	Employee Benefits-General	8,668.75	
12/28/21	72712	bro001	Brock White, Inc.	4670-101-000	Natural Resources Project-General	226.86	
12/28/21	72713	cad001	Allstream	4530-101-000	Water QM Staff-General	73.42	
12/28/21	72714	chi003	Christ United Methodist Church	4682-529-000	Stewardship Grant Fund	222.50	
12/28/21	72715	cit011	City of Roseville	4325-101-000	IT/Website/Software	4,958.78	
12/28/21	72716	dav001	Davey Resource Group, Inc.	4630-516-000	Construction Imp.-Maint & Rep	9,357.75	
12/28/21	72717	don001	Matthew Doneux			704.03	
				4020-101-000	Employee Expenses-General		5.04
				4670-101-000	Natural Resources Project-General		418.99
				4040-101-000	Employee Benefits-General		280.00
12/28/21	72718	don003	Jake Donahue	4682-529-000	Stewardship Grant Fund	257.50	
12/28/21	72719	eve001	Evergreen Country Homes	4682-529-000	Stewardship Grant Fund	537.50	
12/28/21	72720	fit001	Fitzgerald Excavating & Trucking, Inc.			152,436.12	
				4630-516-000	Construction Imp.-Maint. & Repair		90,472.00
				4630-516-000	Construction Imp.-Maint & Rep		61,964.12
12/28/21	72721	fit002	Mary Fitzgerald	4040-101-000	Employee Benefits-General	57.75	
12/28/21	72722	gal001	Galawitz Olson, PLLC	4131-101-000	Attorney General-General	1,375.00	
12/28/21	72723	gra004	Granite Trails Apartments, LLC	4682-529-000	Stewardship Grant Fund	1,000.00	
12/28/21	72724	grsd001	GSC Virtual Assistant	4350-101-000	Training & Education	512.50	
12/28/21	72725	ham004	Hampden Woods HOA	4682-529-000	Stewardship Grant Fund	919.94	

**Ramsey Washington Metro Watershed Dist.**  
**Cash Disbursements Journal**  
**For the Period From December 1, 2021 - December 31, 2021**

Date	Check #	Vendor ID	Name	Account ID	Account Description	Amount	Check Detail
12/28/21	72726	han008	Hanna Enterprises, Inc.	4341-101-000	Janitorial/Trash Service	345.00	
12/28/21	72727	haz001	Lauren Hazenson	4040-101-000	Employee Benefits-General	200.00	
12/28/21	72728	inn002	Innovative Office Solutions, LLC	4320-101-000	Office Supplies-General	289.41	
12/28/21	72729	int001	Office of MN, IT Services	4310-101-000	Telephone-General	59.34	
12/28/21	72730	int003	Intereum, Inc.	4310-101-000	Telephone-General	609.00	
12/28/21	72731	kel007	Keller Property Management	4682-529-000	Stewardship Grant Fund	800.00	
12/28/21	72732	kor001	Eric Korte	4040-101-000	Employee Benefits-General	233.35	
12/28/21	72733	kos001	Helen Kosobayashi	4682-529-000	Stewardship Grant Fund	200.00	
12/28/21	72734	low001	Lower Phalen Creek Project	4682-529-000	Stewardship Grant Fund	10,000.00	
12/28/21	72735	mel001	Michelle L. Melser			123.71	
				4020-101-000	Employee Expenses-General		78.74
				4040-101-000	Employee Benefits-General		44.97
12/28/21	72736	min008	Minnesota Native Landscapes, Inc.	4630-516-000	Construction Imp.-Maint & Rep	16,179.00	
12/28/21	72737	ncp001	NCPERS Group Life Ins.	4040-101-000	Employee Benefits-General	16.00	
12/28/21	72738	new003	New Horizon Academy	4682-529-000	Stewardship Grant Fund	150.00	
12/28/21	72739	nsp001	Xcel Energy			3,962.29	
				4630-520-000	Construction-Flood Damage		270.30
				4342-101-000	Utilities/Bldg. Contracts		3,231.36
				4530-101-000	Water QM Staff-General		460.63
12/28/21	72740	out001	Outdoor Lab Landscape Design, Inc.	4630-518-000	Construction-School/Commercial	2,090.60	
12/28/21	72741	pac001	Pace Analytical Services, Inc.	4530-101-000	Water QM Staff-General	522.00	
12/28/21	74742	pas002	Sage Passi			137.97	
				4020-101-000	Employee Expenses-General		85.68
				4040-101-000	Employee Benefits-General		41.56
				4370-101-000	Educational Program-General		10.73
12/28/21	72743	pet001	Peterson Companies, Inc.	4630-516-000	Construction Imp.-Maint. & Repair	1,934.08	
12/28/21	72744	pro003	Lyndsey R. Provos			52.32	
				4040-101-000	Employee Benefits-General		40.00
				4020-101-000	Employee Expenses-General		12.32
12/28/21	72745	qwe001	CenturyLink	4650-101-000	Project Operations-General	252.39	
12/28/21	72746	ram002	Ramsey County	4682-529-000	Stewardship Grant Fund	3,101.13	
12/28/21	72747	red002	Redpath & Company, Ltd.	4110-101-000	Auditor/Accounting	1,950.22	
12/28/21	72748	red004	Red Rock Fire	4670-101-000	Natural Resources Project-General	769.50	
12/28/21	72749	rjm002	RJML, LLC	2024-101-000	Dev.Escrow-General	6,000.00	
12/28/21	72750	ron002	Jeff Ronning	4682-529-000	Stewardship Grant Fund	362.00	
12/28/21	72751	rou002	Round Lake Trail	4682-529-000	Stewardship Grant Fund	300.00	
12/28/21	72752	san003	Sandstrom Land Management	4630-516-000	Construction Imp.-Maint. & Repair	617.50	
12/28/21	72753	sed001	Tom Sedlack	4682-529-000	Stewardship Grant Fund	425.00	
12/28/21	72754	she003	Shepherd of the Hills Lutheran Church	4682-529-000	Stewardship Grant Fund	595.00	
12/28/21	72755	sim001	Emily Simmons			70.71	
				4020-101-000	Employee Expenses-General		12.26
				4320-101-000	Office Supplies-General		23.45
				4040-101-000	Employee Benefits-General		35.00
12/28/21	72756	sod001	Nicole Soderholm			46.16	
				4020-101-000	Employee Expenses-General		6.16
				4040-101-000	Employee Benefits-General		40.00
12/28/21	72757	tim002	Timesaver Off-Site Secretarial, Inc.	4365-101-000	Committee/Board Meeting Expense	295.00	

**Ramsey Washington Metro Watershed Dist.**  
**Cash Disbursements Journal**  
**For the Period From December 1, 2021 - December 31, 2021**

Date	Check #	Vendor ID	Name	Account ID	Account Description	Amount	Check Detail
12/28/21	72758	tow002	Townhouses of Pathways	4682-529-000	Stewardship Grant Fund	800.00	
12/28/21	72759	tri005	Trinity Presbyterian Church	4682-529-000	Stewardship Grant Fund	400.00	
12/28/21	72760	tro002	Cathy Troendle	4370-101-000	Educational Program-General	625.00	
12/28/21	72761	tym001	Tyme Properties, LLC	2014-101-000	Dev.Escrow-General	12,440.00	
12/28/21	72762	usb002	U.S. Bank			3,854.91	
				4320-101-000	Office Supplies-General		36.39
				4330-101-000	Postage-General		34.80
				4343-101-000	Bldg/Site Maintenance		15.60
				4343-101-000	Bldg/Site Maintenance		65.89
				4325-101-000	IT/Website/Software		96.13
				4343-101-000	Bldg/Site Maintenance		84.01
				4350-101-000	Training & Education		107.04
				4350-101-000	Training & Education		30.00
				4350-101-000	Training & Education		30.00
				4342-101-000	Utilities/Bldg. Contracts		269.11
				4372-101-000	Events		38.95
				4372-101-000	Events		41.88
				4530-101-000	Water QM Staff-General		29.84
				4670-101-000	Natural Resources Project-General		223.20
				4040-101-000	Employee Benefits-General		16.27
				4040-101-000	Employee Benefits-General		523.45
				4530-101-000	Water QM Staff-General		17.90
				4350-101-000	Training & Education		99.00
				4350-101-000	Training & Education		99.00
				4350-101-000	Training & Education		99.00
				4350-101-000	Training & Education		99.00
				4350-101-000	Training & Education		99.00
				4350-101-000	Training & Education		99.00
				4350-101-000	Training & Education		99.00
				4350-101-000	Training & Education		99.00
				4350-101-000	Training & Education		99.00
				4170-101-000	Educational Program-General		400.00
				4650-101-000	Project Operations-General		59.98
				4670-101-000	Natural Resources Project-General		59.98
				4650-516-000	Project Operations-Maint. & Rep.		100.47
				4530-101-000	Water QM Staff-General		32.00
				4320-101-000	Office Supplies-General		86.49
				4530-101-000	Water QM Staff-General		194.25
				4530-101-000	Water QM Staff-General		120.00
				4320-101-000	Office Supplies-General		32.66
				4350-101-000	Training & Education		75.00
				4350-101-000	Training & Education		75.00
				4371-101-000	Communications & Marketing		22.54
				4371-101-000	Communications & Marketing		45.08

**Ramsey Washington Metro Watershed Dist.**  
**Cash Disbursements Journal**  
**For the Period From December 1, 2021 - December 31, 2021**


Date	Check #	Vendor ID	Name	Account ID	Account Description	Amount	Check Detail
12/28/21	72763	usb005	US Bank Equipment Finance	4335-101-000	Printing-General	294.00	
12/28/21	72764	van001	Vanguard Cleaning Systems of Minnesota	4341-101-000	Janitorial/Trash Service	550.00	
12/28/21	72765	ves001	Peter Vesterholt	4682-529-000	Stewardship Grant Fund	395.00	
12/28/21	72766	voy001	US Bank Voyager Fleet Sys.	4830-101-000	Vehicle Fuel-General	80.33	
12/28/21	72767	wal007	Heather Walch	4682-529-000	Stewardship Grant Fund	2,212.28	
12/28/21	72768	was002	Washington Conservation District	4682-529-000	Stewardship Grant Fund	3,312.00	
12/28/21	72769	lak007	Lake Aquatic Weed Removal	4670-101-000	Natural Resources Project-General	4,997.50	
<b>Accounts Payable Total:</b>						<b>\$396,085.38</b>	
EFT	11/12/21	myp001	Payroll Fees	4110-101-000	November 12th Payroll Fees	68.10	
EFT	11/26/21	myp001	Payroll Fees	4110-101-000	November 26th Payroll Fees	68.10	
Dir.Dep.	12/10/21	---	Payroll Expense-Net	4010-101-000	December 10th Payroll	28,368.53	
EFT	12/10/21	int002	Internal Rev.Serv.	2001-101-000	December 10th Federal Withholding	10,220.53	
EFT	12/10/21	mnd001	MN Revenue	2003-101-000	December 10th State Withholding	1,833.43	
EFT	12/10/21	per001	PERA	2011-101-000	December 10th PERA	6,179.23	
EFT	12/10/21	emp002	Empower Retirement	2016-101-000	Employee Def.Comp. Contributions	2,345.00	
EFT	12/10/21	emp002	Empower Retirement	2018-101-000	Employee IRA Contributions	400.00	
Dir.Dep.	12/24/21	---	Payroll Expense-Net	4010-101-000	December 24th Payroll	28,368.52	
EFT	12/24/21	int002	Internal Rev.Serv.	2001-101-000	December 24th Federal Withholding	10,220.55	
EFT	12/24/21	mnd001	MN Revenue	2003-101-000	December 24th State Withholding	1,833.43	
EFT	12/24/21	per001	PERA	2011-101-000	December 24th PERA	6,179.23	
EFT	12/24/21	emp002	Empower Retirement	2016-101-000	Employee Def.Comp. Contributions	2,345.00	
EFT	12/24/21	emp002	Empower Retirement	2018-101-000	Employee IRA Contributions	400.00	
<b>Payroll/Benefits</b>						<b>\$98,829.65</b>	
<b>TOTAL:</b>						<b>\$494,915.03</b>	



Summary of Professional Engineering Services During the Period  
November 20, 2021 through December 17, 2021

	Total Engineering Budget (2021)	Total Fees to Date (2021)	Budget Balance (2021)	Fees During Period	District Accounting Code	Plan Implementation Task Number
<b>Engineering Administration</b>						
General Engineering Administration	\$76,000.00	\$69,801.50	\$6,198.50	\$5,914.00	4121-101	DW-13
RWMWD Health and Safety/ERTK Program	\$2,000.00	\$525.00	\$1,475.00	\$0.00	4697-101	DW-13
Educational Program/Educational Forum Assistance	\$20,000.00	\$17,120.00	\$2,880.00	\$0.00	4129-101	DW-11
<b>Engineering Review</b>						
Engineering Review	\$55,000.00	\$51,165.00	\$3,835.00	\$4,414.00	4123-101	DW-13
<b>Project Feasibility Studies</b>						
Interim emergency response plan funds for top priority District flooding areas	\$60,000.00	\$58,676.97	\$1,323.03	\$5,509.50	4129-101	DW-19
Groundwater/Surface Water Next Steps	\$50,000.00	\$226.00	\$49,774.00	\$0.00	4129-101	DW-16
FEMA Flood Mapping Update (2020)	\$109,720.00	\$86,783.50	\$22,936.50	\$0.00	4129-101	DW-9
Hillcrest Golf Course (multi-use)	\$20,000.00	\$228.00	\$19,772.00	\$0.00	4129-101	DW-6
Gold BRT planning	\$20,000.00	\$0.00	\$20,000.00	\$0.00	4129-101	DW-6
Kohlman Creek flood damage reduction feasibility study	\$75,000.00	\$76,510.45	-\$1,510.45	\$17,859.00	4129-101	DW-9, BELT-3
Grass Lake Berm Wetland	\$35,000.00	\$15,643.64	\$19,356.36	\$1,677.52	4129-101	
Ames Lake Technical Assistance and Project Planning with St. Paul	\$25,000.00	\$39,331.91	-\$14,331.91	\$6,358.00	4129-101	DW-9, BELT-3
Battle Creek PFAS (monitoring, source ID, meetings, communications)	\$25,000.00	\$0.00	\$25,000.00	\$0.00	4129-101	DW-10
694/494/94 WQ treatment feasibility study	\$30,000.00	\$0.00	\$30,000.00	\$0.00	4129-101	BCL-3
Subwatershed feasibility studies for At-Risk creeks (Fish Creek and Gervais Creek)	\$35,000.00	\$270.00	\$34,730.00	\$0.00	4129-101	DW-1, DW-2, DW-6
Wetland Restoration Workshop, Education, and Planning	\$25,000.00	\$4,368.00	\$20,632.00	\$1,358.00	4129-101	DW-8
Contingency*	\$50,000.00	\$0.00	\$50,000.00	\$0.00	4129-101	
<b>GIS Maintenance</b>						
GIS Maintenance	\$5,000.00	\$0.00	\$5,000.00	\$0.00	4170-101	DW-13
<b>Monitoring Water Quality/Project Monitoring</b>						
Lake Water Quality Monitoring (Misc QA/QC)	\$10,000.00	\$358.18	\$9,641.82	\$0.00	4520-101	DW-2
Annual WQ Report Assistance	\$10,000.00	\$126.00	\$9,874.00	\$0.00	4520-101	DW-2
Special Project BMP Monitoring	\$25,000.00	\$18,530.00	\$6,470.00	\$438.50	4520-101	DW-12
Kohlman Permeable Weir Test System - Implement Monitoring Plan	\$15,000.00	\$9,993.50	\$5,006.50	\$178.00	4520-101	DW-12
<b>Permit Processing, Inspection and Enforcement</b>						
Permit Application Inspection and Enforcement	\$10,000.00	\$2,918.40	\$7,081.60	\$0.00	4122-101	DW-7
Permit Application Review	\$55,000.00	\$44,107.00	\$10,893.00	\$2,400.00	4124-101	DW-7
<b>Lake Studies/WRPPs/TMDL Reports</b>						
2020 Grant Applications	\$40,000.00	\$1,080.00	\$38,920.00	\$1,080.00	4661-101	DW-13
Tanners Flood Response Tool Model Update	\$3,000.00	\$3,830.00	-\$830.00	\$0.00	4661-101	Tal-1
WMP Updates - Including Implementation Plan Updates	\$20,000.00	\$0.00	\$20,000.00	\$0.00	4661-101	DW-13
Prioritization of water quality projects from subwatershed feasibility studies	\$15,000.00	\$2,379.50	\$12,620.50	\$90.00	4661-101	DW-13
Phalen Chain of Lakes Changes in Water Quality	\$10,000.00	\$9,474.00	\$526.00	\$1,411.00	4661-101	DW-2, DW-12
Contingency for Lake Studies	\$25,000.00	\$0.00	\$25,000.00	\$0.00	4661-101	
<b>Research Projects</b>						
New Technology Mini Case Studies (average 6 per year)	\$12,000.00	\$13,466.50	-\$1,466.50	\$325.00	4695-101	DW-12
Shallow Lake Aeration Study	\$36,000.00	\$45,789.05	-\$9,789.05	\$202.00	4695-101	DW-12
<b>Project Operations</b>						
2021 Tanners Alum Facility Monitoring	\$15,000.00	\$12,532.50	\$2,467.50	\$0.00	4650-101	Tal-3
Beltline Outlet and Keller Channel Operations Plans	\$30,000.00	\$13,322.84	\$16,677.16	\$1,241.00	4650-101	DW-9, BELT-3
<b>Capital Improvements</b>						
East St. Paul Target	\$45,000.00	\$54,979.23	-\$9,979.23	\$0.00	4128-518	DW-6
North St. Paul Target	\$150,000.00	\$156,742.80	-\$6,742.80	\$346.00	4128-518	DW-6
Cemstone	\$60,000.00	\$0.00	\$60,000.00	\$0.00	4128-518	DW-6
Commercial Sites Retrofit Projects 2021 (Targeted Retrofits)	\$45,000.00	\$6,978.50	\$38,021.50	\$168.50	4128-518	DW-6
School Sites Retrofit Projects 2021 (Targeted Retrofits)	\$45,000.00	\$16,436.06	\$28,563.94	\$3,065.36	4128-518	DW-6
Church Sites Retrofit Projects 2021 (Targeted Retrofit)	\$45,000.00	\$24,285.04	\$20,714.96	\$2,988.00	4128-518	DW-6
BMP Incentive Fund: Gen'l BMP Design Assistance and Review (cases where Dist is approached by landowner, or landowner is not commercial, school, church)	\$75,000.00	\$52,125.78	\$22,874.22	\$9,481.24	4682-529	DW-6
Willow Lake Area Detention (from feas. Study)	\$150,000.00	\$0.00	\$150,000.00	\$0.00	4128-520	DW-9, BELT-3
Kohlman Creek Storage and Detention (from feas. Study)	\$200,000.00	\$0.00	\$200,000.00	\$0.00	4128-520	KC-2
Aldrich Arena (soils and plantings)	\$25,000.00	\$24,352.89	\$647.11	\$0.00	4128-518	DW-6, WL-1
Wakefield Park/Frost Avenue Stormwater Project	\$17,500.00	\$23,859.77	-\$6,359.77	\$0.00	4128-553	DW-6, WL-1
Wetland Restoration	\$100,000.00	\$1,547.40	\$98,452.60	\$0.00	4128-529	DW-1, DW-8
Keller Channel Weir & Phalen Outlet Resiliency Modifications	\$250,000.00	\$249,489.65	\$510.35	\$609.00	4128-520	DW-9, BELT-3
Address Internal Load in TMDL lakes	\$60,000.00	\$0.00	\$60,000.00	\$0.00	4661-101	BL-3
Ryan Drive-Keller Parkway Conveyance	\$194,000.00	\$200,995.73	-\$6,995.73	\$8,462.64	4128-520	DW-9, BELT-3, GC-2
Twin Lake Outlet Easement Acquisition, Permitting, Construction Plans (2020)	\$90,000.00	\$75,862.87	\$14,137.13	\$0.00	4128-520	DW-9
Place holder for feas. study (other) recommendations	\$25,000.00	\$0.00	\$25,000.00	\$0.00	4128-520	
<b>CIP Project Repair &amp; Maintenance</b>						
Routine CIP Inspection and Unplanned Maintenance Identification	\$75,000.00	\$159,106.14	-\$84,106.14	\$8,714.70	4128-516	DW-5
Beltline 5-year Inspection	\$70,000.00	\$19,409.80	\$50,590.20	\$292.36	4128-516	BELT-2
District Inspection Standardization	\$34,200.00	\$10,428.50	\$23,771.50	\$2,004.00	4128-516	DW-5
CR D Ravine	\$32,500.00	\$20,598.98	\$11,901.02	\$2,037.50	4128-516	DW-5
2021 CIP Maintenance and Repairs	\$150,000.00	\$129,631.46	\$20,368.54	\$1,670.50	4128-516	DW-5
2022 CIP Maintenance and Repairs (planning, bidding, and project setup)	\$30,000.00	\$35,973.10	-\$5,973.10	\$7,544.50	4128-516	DW-5
<b>TOTAL PAYABLE FOR PERIOD 11/20/21 - 12/17/21</b>				<b>\$97,839.82</b>		

Barr declares under the penalties of Law that this Account,  
Claim, or Demand is just and that no part has been paid.

  
Bradley J. Lindaman, Vice President

2019 SCHOOLS & FAITH-BASED SITES BMP RETROFITS  
RAMSEY-WASHINGTON METRO WATERSHED DISTRICT  
Final Payment Application (Payment Application No. 5)

1.	Completed to Date:	<u>\$ 147,119.25</u>	
2.	Less Previously Billed:	<u>\$ 147,119.25</u>	
3.	Amount Completed This Period:		<u>\$ -</u>
4.	Amount Previously Retained:	<u>\$ (9,099.11)</u>	
5.	Amount Retained This Period (See Note 1):		<u>\$ -</u>
6.	Total Amount Retained (See Note 2):	<u>\$ (9,099.11)</u>	
7.	Retainage Previously Released:	<u>\$ 7,008.51</u>	
8.	Retainage Released This Period:		<u>\$ 2,090.60</u>
9.	Total Retainage Remaining:	<u>\$ -</u>	
	Less Amounts Previously Paid		
10.	(Pay Application Nos. <u>1, 2, 3, 4</u> )	<u>\$ (145,028.65)</u>	
11.	Amount Due This Period:		<u><u>\$ 2,090.60</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: Maximum amount is 5% of current Contract Price (Original Contract Price is \$117,334.25; adjusted Contract Price to date is \$160,170.25)

---


SUBMITTED BY:

Name: Chuck Hanna      Date: 12/1/21  
Title: President  
Contractor: Outdoor Lab

Signature: 

RECOMMENDED BY:

Name: Andrea Wedul, PLA      Date: 11/23/2021  
Title: Project Manager  
Engineer: Barr Engineering Company

Signature: 

APPROVED BY:

Name: Marj Ebensteiner      Date: \_\_\_\_\_  
Title: President  
Owner: Ramsey-Washington Metro Watershed District

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

## 2021 Capitol Improvemet Project (CIP) Progress Payment Number 5

1.0	Total Completed Through This Period:	<u>\$428,083.13</u>		
2.0	Total Completed Previously Completed:		<u>\$385,388.43</u>	
3.0	Total Completed This Period:			<u>\$42,694.70</u>
4.0	Amount Previously Retained:		<u>\$19,269.42</u>	
5.0	Amount Retained This Period (See Note 1):			<u>\$0.00</u>
6.0	Total Amount Retained (See Note 2):		<u>\$19,269.42</u>	
7.0	Retainage Released Through This Period:			<u>\$19,269.42</u>
8.0	Total Retainage Remaining:		<u>\$0.00</u>	
9.0	Amounts Previously Paid:	<u>\$366,119.01</u>		
10.0	Amount Due This Estimate:			<u><u>\$61,964.12</u></u>

Note 1: Retainage shall be 5 percent of the value of the Work completed.

### SUBMITTED BY:

Name: Jason Fitzgerald Date: \_\_\_\_\_  
Title: President  
Contractor: Fitzgerald Excavating & Trucking, Inc.

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

### RECOMMENDED BY:

Name: Brad Lindaman Date: \_\_\_\_\_  
Title: District Engineer  
Engineer: Barr Engineering Company

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

### APPROVED BY:

Name: Lawrence Swope Date: \_\_\_\_\_  
Title: President  
Owner: Ramsey-Washington Metro Watershed District

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

**2021 Capital Improvement Project (CIP)**  
**Ramsey-Washington Metro Watershed District**  
**Summary of Work Completed Through December 23rd, 2021 for Progress Payment Number 5**

						(1) Total Completed Through This Period		(2) Total Completed Previous Period		(3) Total Completed This Period	
Item	Description	Unit	Estimated Quantity	Unit Price	Extension	Quantity	Amount	Quantity	Amount	Quantity	Amount
General											
1.04.A	Mobilization/Demobilization	L.S.	1	55,000.00	55,000.00	1.00	\$55,000.00	0.8	\$41,250.00	0.3	\$13,750.00
1.04.B	Control of Water	L.S.	1	3,000.00	3,000.00	1.00	\$3,000.00	0.8	\$2,250.00	0.3	\$750.00
1.04.K	Traffic Control	L.S.	1	8,000.00	8,000.00	1.00	\$8,000.00	0.75	\$6,000.00	0.25	\$2,000.00
Site 1 - Tamarack Swamp, Woodbury (PFS Basins Cleaning/Sweeping)											
1.04 G	Sediment Log (9-Inch Diameter)	L.F.	60	2.00	120.00	0	\$0.00	0	\$0.00	0	\$0.00
1.04 D	Sediment/Muck Cleanout Unregulated MPCA SRV Level 1 Material (P)	C.Y.	54	38.00	2,052.00	54	\$2,052.00	54	\$2,052.00	0	\$0.00
1.04 E	Sediment/Muck Cleanout Excavation, Loading, Hauling and Disposal of (SRV Level 2 and 3)	TON	92	10.00	920.00	0	\$0.00	0	\$0.00	0	\$0.00
1.04 H	Paver Sweeping (1,400 S.Y.)	S.Y.	1,400	3.00	4,200.00	1400.00	\$4,200.00	1400	\$4,200.00	0	\$0.00
1.04 J	Clear Washed Filter Rock	TON	10	40.00	400.00	0.00	\$0.00	0	\$0.00	0	\$0.00
1.04 F	Site Restoration (Seeding and Erosion Control Blanket)	S.Y.	100	1.00	100.00	100	\$100.00	100	\$100.00	0	\$0.00
Site 2 - 5th Street Wetland, Oakdale (Wetland Weir Maintenance)											
1.04. K	Permeable Weir Maintenance (Reopening Drainage Slots and Remove all Brush and Debris)	L.F.	65	10.00	650.00	65	\$650.00	65	\$650.00	0	\$0.00
1.04 F	Site Restoration (Seeding and Erosion Control Blanket)	S.Y.	210	1.00	210.00	0	\$0.00	0	\$0.00	0	\$0.00
Site 3 - Tanners Wetland, Oakdale (Wetland Weir Maintenance)											
1.04. K	Permeable Weir Maintenance (Reopening Drainage Slots and Remove all Brush and Debris)	L.F.	580	10.00	5,800.00	580	\$5,800.00	580	\$5,800.00	0	\$0.00
1.04 F	Site Restoration (Seeding and Erosion Control Blanket)	S.Y.	210	1.00	210.00	0	\$0.00	0	\$0.00	0	\$0.00
Site 4 - Gervais Mill Park, Little Canada (Mill Pond Filter Maintenance)											
1.04 N	Flotation Silt Curtain	L.F.	45	15.00	675.00	90	\$1,350.00	90	\$1,350.00	0	\$0.00
1.04 Q	Composite Mud Mats Protection (Double Layer)	S.Y.	100	3.00	300.00	0	\$0.00	0	\$0.00	0	\$0.00
1.04 I	Remove Existing 1-1/2 inch to 2-inch Filter Rock	L.S.	1	3,500.00	3,500.00	1	\$3,500.00	1	\$3,500.00	0	\$0.00
1.04 J	Clear Washed Filter Rock	TON	50	45.00	2,250.00	35	\$1,572.75	34.95	\$1,572.75	0	\$0.00
1.04 F	Site Restoration (Seeding and Erosion Control Blanket)	S.Y.	400	1.00	400.00	0	\$0.00	0	\$0.00	0	\$0.00
Site 5 - Lower Afton Road, Maplewood (Drainageway Sediment Removal)											
1.04 O	Construction Entrance	EACH	1	500.00	500.00	0	\$0.00	0	\$0.00	0	\$0.00
1.04 P	Temporary Rock Filter Dike	TON	10	25.00	250.00	0	\$0.00	0	\$0.00	0	\$0.00
1.04 Q	Composite Mud Mats Protection (Double Layer)	S.Y.	45	3.00	135.00	45	\$135.00	45	\$135.00	0	\$0.00
1.04 D	Sediment/Muck Cleanout Unregulated MPCA SRV Level 1 Material (P)	C.Y.	75	35.00	2,625.00	75	\$2,625.00	75	\$2,625.00	0	\$0.00
1.04 E	Sediment/Muck Cleanout Excavation, Loading, Hauling and Disposal of (SRV Level 2 and 3)	TON	127	16.00	2,032.00	0	\$0.00	0	\$0.00	0	\$0.00
1.04 F	Site Restoration (Seeding and Erosion Control Blanket)	S.Y.	210	1.00	210.00	0	\$0.00	0	\$0.00	0	\$0.00
Site 6 - ABI Diversion Manhole, Oakdale (Weir Repair)											
1.04 O	Construction Entrance	EACH	1	500.00	500.00	0	\$0.00	0	\$0.00	0	\$0.00
1.04 G	Sediment Log (9-Inch Diameter)	L.F.	50	2.00	100.00	0	\$0.00	0	\$0.00	0	\$0.00
1.04 D	Sediment/Muck Cleanout Unregulated MPCA SRV Level 1 Material (P)	C.Y.	12	35.00	420.00	12	\$420.00	12	\$420.00	0	\$0.00
1.04 E	Sediment/Muck Cleanout Excavation, Loading, Hauling and Disposal of (SRV Level 2 and 3)	TON	20	17.00	340.00	0	\$0.00	0	\$0.00	0	\$0.00
1.04 S	Remove and Replace Top Slab Water Control Structure, Remove Existing Concrete Weir and Rebuild Concrete Weir	L.S.	1	12,000.00	12,000.00	1	\$12,000.00	1	\$12,000.00	0	\$0.00
1.04 T	Remove and Replace Bituminous Trail Pavement	S.Y.	20	25.00	500.00	0	\$0.00	0	\$0.00	0	\$0.00
1.04 F	Site and Access Restoration (Seeding and Erosion Control Blanket)	S.Y.	100	1.00	100.00	0	\$0.00	0	\$0.00	0	\$0.00



**2021 Capital Improvement Project (CIP)**  
**Ramsey-Washington Metro Watershed District**  
**Summary of Work Completed Through December 23rd, 2021 for Progress Payment Number 5**

						(1) Total Completed Through This Period		(2) Total Completed Previous Period		(3) Total Completed This Period	
Item	Description	Unit	Estimated Quantity	Unit Price	Extension	Quantity	Amount	Quantity	Amount	Quantity	Amount
Site 7 - Bailey Nursery, Newport (Storm Sewer Repair)											
1.04 U	Removal of RCP Storm Sewer Pipe	L.F.	16	28.00	448.00	16	\$448.00	16	\$448.00	0	\$0.00
1.04 V	Precast Reinforced Concrete Pipes	L.F.	16	95.00	1,520.00	16	\$1,520.00	16	\$1,520.00	0	\$0.00
1.04 W	Connection to Manhole Structure	EACH	2	1,000.00	2,000.00	2	\$2,000.00	2	\$2,000.00	0	\$0.00
1.04 HH	MN/DOT Class III Riprap with Type IV Geotextile Filter Fabric	TON	25	40.00	1,000.00	37	\$1,470.80	36.77	\$1,470.80	0	\$0.00
1.04 F	Site and Access Restoration (Seeding and Erosion Control Blanket)	S.Y.	100	4.00	400.00	100	\$400.00	100	\$400.00	0	\$0.00
Site 8 - Kohlman Basin, Maplewood (Permeable Weirs Upflow Treatment Cells)											
1.04 O	Construction Entrance	EACH	1	800.00	800.00	0	\$0.00	0	\$0.00	0	\$0.00
1.04 X	Remove, Salvage, and Replace Existing Treatment Materials for Construction of Cell Structures	C.Y.	12	100.00	1,200.00	12	\$1,200.00	12	\$1,200.00	0	\$0.00
1.04 Y	Construct Upflow Treatment Cell Structure	EACH	2	9,000.00	18,000.00	2	\$18,000.00	2	\$18,000.00	0	\$0.00
1.04 GG	Filter Fabric MN/DOT Type 5	S.Y.	32	2.00	64.00	32	\$64.00	32	\$64.00	0	\$0.00
1.04 Z	3-inch PVC Schedule 40 Piping and Fittings	L.F.	60	25.00	1,500.00	60	\$1,500.00	60	\$1,500.00	0	\$0.00
1.04 AA	Valterra Knife Gate	EACH	2	800.00	1,600.00	2	\$1,600.00	2	\$1,600.00	0	\$0.00
1.04 BB	Pea Gravel Bedding	TON	4	10.00	40.00	4	\$40.00	4	\$40.00	0	\$0.00
1.04 CC	Limerock (CC17)	TON	8	40.00	320.00	8	\$320.00	8	\$320.00	0	\$0.00
1.04 F	Site Access Restoration (Seeding and Erosion Control Blanket)	S.Y.	200	1.00	200.00	0	\$0.00	0	\$0.00	0	\$0.00
Site 9 - Willow Pond, Roseville (CMAC Drain Pipe Installation)											
1.04 O	Construction Entrance	EACH	1	800.00	800.00	0	\$0.00	0	\$0.00	0	\$0.00
1.04 Q	Composite Mud Mats Protection (Double Layer)	S.Y.	112	3.00	336.00	0	\$0.00	0	\$0.00	0	\$0.00
1.04 G	Sediment Log (9-Inch Diameter)	L.F.	350	4.00	1,400.00	0	\$0.00	0	\$0.00	0	\$0.00
1.04 DD	Furnish and Install 4-inch PVC Drainpipe SDR 35	L.F.	205	30.00	6,150.00	205	\$6,150.00	205	\$6,150.00	0	\$0.00
1.04 W	Connection to Manhole Structure	EACH	2	2,000.00	4,000.00	2	\$4,000.00	2	\$4,000.00	0	\$0.00
1.04 F	Site Access Restoration (Seeding and Erosion Control Blanket)	S.Y.	540	1.00	540.00	0	\$0.00	0	\$0.00	0	\$0.00
Site 10a - Owasso Basin, Little Canada (Perimeter Berm Raise with Grading and Restoration)											
1.04 O	Construction Entrance	EACH	1	800.00	800.00	0	\$0.00	0	\$0.00	0	\$0.00
1.04 R	Removal of Trees, Brush, and Debris (Disposal Off Site)	L.S.	1	3,500.00	3,500.00	0	\$0.00	0	\$0.00	0	\$0.00
1.04 EE	Strip and Salvage Topsoil	C.Y.	150	10.00	1,500.00	0	\$0.00	0	\$0.00	0	\$0.00
1.04 MM	Berm Fill Material Borrow	C.Y.	265	20.00	5,300.00	0	\$0.00	0	\$0.00	0	\$0.00
1.04 KK	Replace Salvaged Topsoil	C.Y.	150	10.00	1,500.00	0	\$0.00	0	\$0.00	0	\$0.00
1.04 LL	Topsoil Borrow	C.Y.	60	20.00	1,200.00	0	\$0.00	0	\$0.00	0	\$0.00
1.04 F	Site Access Restoration (Seeding and Erosion Control Blanket)	S.Y.	1,500	4.00	6,000.00	1,817	\$7,268.00	1817	\$7,268.00	0	\$0.00

**2021 Capital Improvement Project (CIP)**  
**Ramsey-Washington Metro Watershed District**  
**Summary of Work Completed Through December 23rd, 2021 for Progress Payment Number 5**

						(1) Total Completed Through This Period		(2) Total Completed Previous Period		(3) Total Completed This Period	
Item	Description	Unit	Estimated Quantity	Unit Price	Extension	Quantity	Amount	Quantity	Amount	Quantity	Amount
Site 10b - Owasso Basin, Little Canada (Channel Cleaning and Grading)											
1.04 O	Construction Entrance	EACH	2	2,000.00	4,000.00	2	\$4,000.00	2	\$4,000.00	0	\$0.00
1.04 R	Removal of Trees, Brush, and Debris (Disposal Off Site)	L.S.	1	45,000.00	45,000.00	1	\$45,000.00	1	\$45,000.00	0	\$0.00
1.04 EE	Strip and Salvage Topsoil	C.Y.	170	10.00	1,700.00	0	\$0.00	0	\$0.00	0	\$0.00
1.04 Q	Composite Mud Mats Protection (Double Layer)	S.Y.	312	20.00	6,240.00	312	\$6,240.00	312	\$6,240.00	0	\$0.00
1.04 NN	Remove Sheet Pile Water Control Weir, Pipe and Riprap	L.S.	1	5,000.00	5,000.00	1	\$5,000.00	1	\$5,000.00	0	\$0.00
1.04 D	Sediment/Muck Cleanout Unregulated MPCA SRV Level 1 Material (P)	C.Y.	3,640	28.00	101,920.00	3,640	\$101,920.00	2730	\$76,440.00	910	\$25,480.00
1.04 E	Sediment/Muck Cleanout Excavation, Loading, Hauling and Disposal of (SRV Level 2 and 3)	TON	6,152	14.00	86,128.00	1,901	\$26,617.36	1850.19	\$25,902.66	51.05	\$714.70
1.04 KK	Replace Salvaged Topsoil	C.Y.	170	10.00	1,700.00	0	\$0.00	0	\$0.00	0	\$0.00
1.04 LL	Topsoil Borrow	C.Y.	160	20.00	3,200.00	0	\$0.00	0	\$0.00	0	\$0.00
1.04 F	Site Restoration (Seeding and Erosion Control Blanket)	S.Y.	3,275	1.00	3,275.00	2,500	\$2,500.00	2500	\$2,500.00	0	\$0.00
Site 11 - Round Lake Pond, Little Canada (Pond Cleanout)											
1.04 O	Construction Entrance	EACH	1	800.00	800.00	0	\$0.00	0	\$0.00	0	\$0.00
1.04 OO	Protection of Existing Trees, Landscaping, and Trail	L.S.	1	500.00	500.00	1	\$500.00	1	\$500.00	0	\$0.00
1.04 Q	Composite Mud Mats Protection (Double Layer)	S.Y.	62	20.00	1,240.00	62	\$1,240.00	62	\$1,240.00	0	\$0.00
1.04 N	Flotation Silt Curtain	L.F.	85	10.00	850.00	0	\$0.00	0	\$0.00	0	\$0.00
1.04 D	Sediment/Muck Cleanout Unregulated MPCA SRV Level 1 Material (P)	C.Y.	75	30.00	2,250.00	75	\$2,250.00	75	\$2,250.00	0	\$0.00
1.04 E	Sediment/Muck Cleanout Excavation, Loading, Hauling and Disposal of (SRV Level 2 and 3)	TON	127	16.00	2,032.00	69	\$1,096.96	68.56	\$1,096.96	0	\$0.00
1.04 HH	MN/DOT Class III Riprap with Type IV Geotextile Filter Fabric	TON	31	50.00	1,550.00	0	\$0.00	0	\$0.00	0	\$0.00
1.04 F	Site Restoration (Seeding and Erosion Control Blanket)	S.Y.	300	2.00	600.00	0	\$0.00	0	\$0.00	0	\$0.00
Site 12 - Margaret Pond, North St. Paul (Pond Cleanout)											
1.04 O	Construction Entrance	EACH	1	800.00	800.00	0	\$0.00	0	\$0.00	0	\$0.00
1.04 R	Removal of Trees, Brush, and Debris (Disposal Off Site)	L.S.	1	2,000.00	2,000.00	0	\$0.00	0	\$0.00	0	\$0.00
1.04 N	Flotation Silt Curtain	L.F.	80	15.00	1,200.00	0	\$0.00	0	\$0.00	0	\$0.00
1.04 U	Removal of 30-inch RCP Storm Sewer Pipe	L.F.	42	40.00	1,680.00	42	\$1,680.00	42	\$1,680.00	0	\$0.00
1.04 PP	Remove Curb and Gutter	L.F.	20	5.00	100.00	20	\$100.00	20	\$100.00	0	\$0.00
1.04 QQ	Remove and Disposal of Drainage Structure Manhole	EACH	2	500.00	1,000.00	2	\$1,000.00	2	\$1,000.00	0	\$0.00
1.04 FF	Sawcut Bituminous Pavement	L.F.	56	4.00	224.00	0	\$0.00	0	\$0.00	0	\$0.00
1.04 RR	Remove Bituminous Pavement	S.Y.	20	5.00	100.00	0	\$0.00	0	\$0.00	0	\$0.00
1.04 II	Aggregate Base Class 5	TON	8	25.00	187.50	0	\$0.00	0	\$0.00	0	\$0.00
1.04 JJ	Bituminous Wear Coarse (Including Tack Coat)	TON	3	100.00	300.00	0	\$0.00	0	\$0.00	0	\$0.00
1.04 SS	Remove Concrete Sidewalk	S.F.	80	5.00	400.00	80	\$400.00	80	\$400.00	0	\$0.00
1.04 TT	Coarse Filter Material	TON	17	25.00	425.00	0	\$0.00	0	\$0.00	0	\$0.00
1.04 V	Furnish and Install 36-inch RCP Class III	L.F.	50	200.00	10,000.00	58	\$11,600.00	58	\$11,600.00	0	\$0.00
1.04 UU	36-inch Reinforced Concrete Flared End Section	EACH	1	4,000.00	4,000.00	1	\$4,000.00	1	\$4,000.00	0	\$0.00
1.04 W	Connect to Manhole Structure	EACH	2	2,000.00	4,000.00	2	\$4,000.00	2	\$4,000.00	0	\$0.00
1.04 VV	Construct Drainage Structure Design 84-4020	L.F.	9	1,200.00	10,800.00	9	\$10,800.00	9	\$10,800.00	0	\$0.00
1.04 WW	Construct Drainage Structure Design Special	EACH	1	5,000.00	5,000.00	1	\$5,000.00	1	\$5,000.00	0	\$0.00
1.04 D	Sediment/Muck Cleanout Unregulated MPCA SRV Level 1 Material (P)	C.Y.	130	35.00	4,550.00	130	\$4,550.00	130	\$4,550.00	0	\$0.00
1.04 E	Sediment/Muck Cleanout Excavation, Loading, Hauling and Disposal of (SRV Level 2 and 3)	TON	220	16.00	3,520.00	191	\$3,057.76	191.11	\$3,057.76	0	\$0.00
1.04 HH	MN/DOT Class III Riprap (Field Stone)	TON	59	75.00	4,425.00	36	\$2,668.50	35.58	\$2,668.50	0	\$0.00
1.04 XX	8-inch Concrete Walk	S.F.	80	15.00	1,200.00	80	\$1,200.00	80	\$1,200.00	0	\$0.00
1.04 YY	Concrete Curb and Gutter Design B612	L.F.	20	30.00	600.00	20	\$600.00	20	\$600.00	0	\$0.00
1.04 F	Site Restoration (Seeding and Erosion Control Blanket)	S.Y.	500	1.00	500.00	500	\$500.00	500	\$500.00	0	\$0.00

**2021 Capital Improvement Project (CIP)**  
**Ramsey-Washington Metro Watershed District**  
**Summary of Work Completed Through December 23rd, 2021 for Progress Payment Number 5**

						(1) Total Completed Through This Period		(2) Total Completed Previous Period		(3) Total Completed This Period	
Item	Description	Unit	Estimated Quantity	Unit Price	Extension	Quantity	Amount	Quantity	Amount	Quantity	Amount
Site 13 - McKnight Basin, Maplewood (Erosion/Sink Hole Repairs)											
1.04 Q	Composite Mud Mats Protection (Double Layer)	S.Y.	122	10.00	1,220.00	0	\$0.00	0	\$0.00	0	\$0.00
1.04 ZZ	Fill Existing Sink Holes (Including Fill Materials/Topsoil)	L.S.	1	6,000.00	6,000.00	1	\$6,000.00	1	\$6,000.00	0	\$0.00
1.04 HH	MN/DOT Class III Riprap with Type IV Geotextile Filter Fabric	TON	10	50.00	500.00	18	\$875.00	17.5	\$875.00	0	\$0.00
1.04 F	Site Restoration (Seeding and Erosion Control Blanket)	S.Y.	244	4.00	976.00	244	\$976.00	244	\$976.00	0	\$0.00
Site 14 - Grass Lake Emergency Overflow, Shoreview (Pavers along Bituminous Trail)											
1.04 G	Sediment Log (9-Inch Diameter)	L.F.	75	4.00	300.00	0	\$0.00	0	\$0.00	0	\$0.00
1.04 Q	Composite Mud Mats Protection (Double Layer)	S.Y.	112	10.00	1,120.00	0	\$0.00	0	\$0.00	0	\$0.00
1.04 AAA	Remove and Replenish Existing Riprap	L.S.	1	1,500.00	1,500.00	1	\$1,500.00	1	\$1,500.00	0	\$0.00
1.04 II	Class 5 Aggregate Base or (Engineer-Approved Class 7 Recycled Material)	TON	2	25.00	50.00	2	\$50.00	2	\$50.00	0	\$0.00
1.04 BBB	Remove, Salvage, and Replace Existing Class 5	L.S.	1	1,200.00	1,200.00	1	\$1,200.00	1	\$1,200.00	0	\$0.00
1.04 CCC	Furnish and Install Turfstone Pavers (Includes bedding sand and edge restraints)	S.F.	266	39.00	10,374.00	266	\$10,374.00	266	\$10,374.00	0	\$0.00
1.04 LL	Topsoil Borrow (Fill In Pavers)	C.Y.	2	20.00	40.00	2	\$40.00	2	\$40.00	0	\$0.00
1.04 F	Site Restoration (Seeding Paver Voids, Disturbed Area and Erosion Control Blanket)	S.Y.	40	4.00	160.00	40	\$160.00	40	\$160.00	0	\$0.00
Contract Base Extensions =					\$518,053.50	\$415,081.13		\$372,386.43		\$42,694.70	
Change Order 1											
C.O.1.A	Bailey Nursery Reset Existing Structure	L.S.	1	4,000.00	4,000.00	1	\$4,000.00	1	\$4,000.00	0	\$0.00
Change Order 2											
C.O.2.A	Additional Earthwork for North St. Paul	C.Y.	252	13.50	3,402.00	252	\$3,402.00	252	\$3,402.00	0	\$0.00
Change Order 3											
C.O.3.A	Grass Lake Emergency Overflow Repair	L.S.	1	5,600.00	5,600.00	1	\$5,600.00	1	\$5,600.00	0	\$0.00
Change Order Extensions =					\$13,002.00	\$13,002.00		\$13,002.00		\$0.00	
Contract Grand Total =					\$531,055.50	\$428,083.13		\$385,388.43		\$42,694.70	


**Ryan Drive and Keller Pkwy Conveyance Upgrades  
Progress Payment No. 3  
For Work Completed Through December 22, 2021**

1.0	Total Completed Through This Period:	<u>\$638,140.63</u>		
2.0	Total Previously Completed:		<u>\$542,906.95</u>	
3.0	Total Completed This Period:			<u>\$95,233.68</u>
4.0	Amount Previously Retained:		<u>\$ 27,145.35</u>	
5.0	Amount Retained This Period (See Note 1):			<u>\$4,761.68</u>
6.0	Total Amount Retained (See Note 1):		<u>\$31,907.03</u>	
7.0	Retainage Released Through This Period:			<u>\$0.00</u>
8.0	Total Retainage Remaining:		<u>\$31,907.03</u>	
9.0	Amounts Previously Paid:	<u>\$515,761.60</u>		
10.0	Amount Due This Estimate:			<u><u>\$90,472.00</u></u>

Note 1: At rate of 5%.

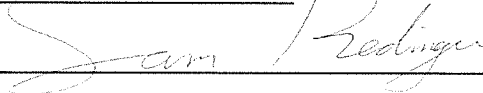
SUBMITTED BY:

Name: Gary Richter Date: 12/23/2021  
Title: Project Manager  
Contractor: Fitzgerald Excavating & Trucking

Signature: 

RECOMMENDED BY:

Name: Samuel Redinger Date: 12/23/2021  
Title: Project Engineer  
Engineer: Barr Engineering Co.

Signature: 

APPROVED BY:

Name: Lawrence Swope Date: \_\_\_\_\_  
Title: President  
Owner: Ramsey-Washington Metro Watershed District

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

Ryan Drive and Keller Pkwy Conveyance Upgrades  
 Ramsey-Washington Metro Watershed District  
 Summary of Work Completed Through December 22, 2021 for Progress Payment No. 3

				Fitzgerald Excavating		(1) Total Completed This Period		(2) Total Completed Previous Periods		(3) Total Completed To Date	
Item	Description	Unit	Bidding Estimated Quantity	Unit Price	Extension	Quantity	Amount	Quantity	Amount	Quantity	Amount
General											
01 55 26.01	Traffic Control	LS	1	\$ 15,000.00	\$ 15,000.00		\$ -	1	\$ 15,000.00	1	\$ 15,000.00
01 71 13.01	Mobilization/Demobilization	LS	1	\$ 105,000.00	\$ 105,000.00		\$ -	0.8	\$ 84,000.00	0.8	\$ 84,000.00
Site 1 - Keller Pkwy											
01 74 23.02	Construction Entrance	EA	2	\$ 1,000.00	\$ 2,000.00		\$ -	0	\$ -	0	\$ -
01 74 23.04	Silt Fence	LF	550	\$ 2.50	\$ 1,375.00		\$ -	0	\$ -	0	\$ -
01 74 23.05	Flotation Silt Curtain	LF	80	\$ 20.00	\$ 1,600.00		\$ -	92	\$ 1,840.00	92	\$ 1,840.00
01 74 23.06	Erosion Control Blanket and Seeding	SY	310	\$ 3.00	\$ 930.00		\$ -	79	\$ 237.00	79	\$ 237.00
02 41 00.01	Removal of Trees, Brush, and Debris (Disposal Off Site)	LS	1	\$ 15,000.00	\$ 15,000.00		\$ -	1	\$ 15,000.00	1	\$ 15,000.00
02 41 00.03	Remove and Dispose of 96-in Wide x 62-in Tall RC Arch Pipe	LF	116	\$ 75.00	\$ 8,700.00		\$ -	116	\$ 8,700.00	116	\$ 8,700.00
02 41 00.04	Remove and Dispose of Fencing	LF	120	\$ 15.00	\$ 1,800.00		\$ -	120	\$ 1,800.00	120	\$ 1,800.00
02 41 00.05	Saw-Cut, Bituminous pavement	LF	100	\$ 10.00	\$ 1,000.00		\$ -	92	\$ 920.00	92	\$ 920.00
02 41 00.06	Remove and Dispose Bituminous Pavement	SY	400	\$ 5.00	\$ 2,000.00		\$ -	399	\$ 1,995.00	399	\$ 1,995.00
02 41 00.07	Remove and Dispose Bituminous Driveway Pavement	SY	50	\$ 10.00	\$ 500.00		\$ -	65	\$ 650.00	65	\$ 650.00
31 00 00.01	Strip, Salvage, and Replace Topsoil (6-in Depth)	CY	270	\$ 12.00	\$ 3,240.00		\$ -	90	\$ 1,080.00	90	\$ 1,080.00
31 00 00.02	Sediment and Muck Excavation, Loading, and Hauling (Regulated)	TON	520	\$ 20.00	\$ 10,400.00		\$ -	0	\$ -	0	\$ -
31 00 00.03	Sediment and Muck Excavation, Loading, and Hauling (Non-Regulated)	CY	0	\$ 40.00	\$ -		\$ -	0	\$ -	0	\$ -
31 00 00.04	Sediment and Muck Disposal Fee	TON	520	\$ 20.00	\$ 10,400.00		\$ -	0	\$ -	0	\$ -
31 00 00.07	Aggregate Base Class 6	CY	60	\$ 35.00	\$ 2,100.00		\$ -	48	\$ 1,680.00	48	\$ 1,680.00
31 00 00.08	Riprap w/fabric (Mn/DOT CL III)	CY	350	\$ 60.00	\$ 21,000.00		\$ -	175	\$ 10,500.00	175	\$ 10,500.00
31 00 00.09	Shoulder Aggregate Class 2 (100% Crushed Quarry Rock)	TON	25	\$ 45.00	\$ 1,125.00		\$ -	20.84	\$ 937.80	20.84	\$ 937.80
31 00 00.10	Topsoil Placement (Borrow)(Allowance)	CY	25	\$ 35.00	\$ 875.00		\$ -	0	\$ -	0	\$ -
31 23 19.01	Water Management - Keller Pkwy	LS	1	\$ 27,000.00	\$ 27,000.00		\$ -	1	\$ 27,000.00	1	\$ 27,000.00
32 12 00.02	2.5-in Type 12.5 Non-Wearing Course Mixture (4,B)(SPNWB430B)	TON	60	\$ 100.00	\$ 6,000.00		\$ -	89.6	\$ 8,960.00	89.6	\$ 8,960.00
32 12 00.04	2.5-in Type SP 9.5 Wearing Course Mixture 4,C (SPWEA440C)	TON	60	\$ 105.00	\$ 6,300.00		\$ -	63.63	\$ 6,681.15	63.63	\$ 6,681.15
32 12 00.05	2-in Type SP 9.5 Wearing Course Mixture 4,C (SPWEA440C)	TON	50	\$ 105.00	\$ 5,250.00		\$ -	50	\$ 5,250.00	50	\$ 5,250.00
32 12 00.06	Driveway Patching	TON	10	\$ 155.00	\$ 1,550.00		\$ -	13	\$ 2,015.00	13	\$ 2,015.00
32 31 13.01	Fencing (Chain Link)	LF	140	\$ 50.00	\$ 7,000.00		\$ -	0	\$ -	0	\$ -
33 42 00.03	16-FT Wide X 4-FT Tall Reinf. Conc. Box Culvert End Section (MnDOT Class I, Type III)	EA	4	\$ 16,000.00	\$ 64,000.00		\$ -	4	\$ 64,000.00	4	\$ 64,000.00
33 42 00.04	16-FT Wide X 4-FT Tall Reinf. Conc. Box Culvert (MnDOT Class I)	LF	86	\$ 1,735.00	\$ 149,210.00		\$ -	86	\$ 149,210.00	86	\$ 149,210.00
Site 2 - Ryan Drive											
01 74 23.02	Construction Entrance	EA	4	\$ 800.00	\$ 3,200.00		\$ -	0	\$ -	0	\$ -
01 74 23.03	Sediment Log (9-in Diameter)	LF	540	\$ 5.00	\$ 2,700.00		\$ -	0	\$ -	0	\$ -
01 74 23.04	Silt Fence	LF	600	\$ 2.50	\$ 1,500.00		\$ -	0	\$ -	0	\$ -
01 74 23.06	Erosion Control Blanket and Seeding	SY	690	\$ 3.00	\$ 2,070.00		\$ -	0	\$ -	0	\$ -
01 74 23.07	Rock Filter Dike	EA	1	\$ 500.00	\$ 500.00		\$ -	0	\$ -	0	\$ -
02 41 00.01	Removal of Trees, Brush, and Debris (Disposal Off Site)	LS	1	\$ 15,000.00	\$ 15,000.00	0.75	\$ 11,250.00	0.25	\$ 3,750.00	1	\$ 15,000.00
02 41 00.02	Remove and Dispose of 30-inch RC Circ. Pipe	LF	53	\$ 55.00	\$ 2,915.00		\$ -	53	\$ 2,915.00	53	\$ 2,915.00
02 41 00.04	Remove and Dispose of Fencing	LF	15	\$ 50.00	\$ 750.00		\$ -	15	\$ 750.00	15	\$ 750.00
02 41 00.05	Saw-Cut, Bituminous pavement	LF	181	\$ 12.00	\$ 2,172.00	120.54	\$ 1,446.48	55	\$ 660.00	175.54	\$ 2,106.48
02 41 00.06	Remove and Dispose Bituminous Pavement	SY	327	\$ 10.00	\$ 3,270.00	300	\$ 3,000.00	94	\$ 940.00	394	\$ 3,940.00
02 41 00.08	Reclamation (12-in Depth)	SY	1,490	\$ 5.00	\$ 7,450.00		\$ -	1300	\$ 6,500.00	1300	\$ 6,500.00
02 41 00.09	Haul Out/Stockpile Millings	CY	500	\$ 12.00	\$ 6,000.00		\$ -	433	\$ 5,196.00	433	\$ 5,196.00

Ryan Drive and Keller Pkwy Conveyance Upgrades  
 Ramsey-Washington Metro Watershed District  
 Summary of Work Completed Through December 22, 2021 for Progress Payment No. 3

Item	Description	Unit	Bidding Estimated Quantity	Fitzgerald Excavating		(1) Total Completed This Period		(2) Total Completed Previous Periods		(3) Total Completed To Date	
				Unit Price	Extension	Quantity	Amount	Quantity	Amount	Quantity	Amount
31 00 00.01	Strip, Salvage, and Replace Topsoil (6-in Depth)	CY	264	\$ 14.00	\$ 3,696.00		\$ -	0	\$ -	0	\$ -
31 00 00.02	Sediment and Muck Excavation, Loading, and Hauling (Regulated)	TON	330	\$ 20.00	\$ 6,600.00	76.44	\$ 1,528.80	0	\$ -	76.44	\$ 1,528.80
31 00 00.03	Sediment and Muck Excavation, Loading, and Hauling (Non-Regulated)	CY	0	\$ 45.00	\$ -		\$ -	0	\$ -	0	\$ -
31 00 00.04	Sediment and Muck Disposal Fee	TON	330	\$ 20.00	\$ 6,600.00		\$ -	0	\$ -	0	\$ -
31 00 00.05	Roadway Embankment (Select Granular Borrow)	CY	1,160	\$ 30.00	\$ 34,800.00	923.78	\$ 27,713.40	0	\$ -	923.78	\$ 27,713.40
31 00 00.07	Aggregate Base Class 6	CY	440	\$ 35.00	\$ 15,400.00	433	\$ 15,155.00	0	\$ -	433	\$ 15,155.00
31 00 00.08	Riprap w/fabric (Mn/DOT CL III)	CY	120	\$ 65.00	\$ 7,800.00	74	\$ 4,810.00	0	\$ -	74	\$ 4,810.00
31 00 00.09	Shoulder Aggregate Class 2 (100% Crushed Quarry Rock)	TON	90	\$ 45.00	\$ 4,050.00		\$ -	0	\$ -	0	\$ -
31 00 00.10	Topsoil Placement (Borrow) (Allowance)	CY	25	\$ 35.00	\$ 875.00		\$ -	0	\$ -	0	\$ -
31 23 19.02	Water Management - Ryan Drive	LS	1	\$ 27,000.00	\$ 27,000.00	0.3	\$ 8,100.00	0.7	\$ 18,900.00	1	\$ 27,000.00
32 12 00.01	2-in Type 12.5 Non-Wearing Course Mixture 3,C (SPNWB340C)	TON	180	\$ 100.00	\$ 18,000.00	182.3	\$ 18,230.00	0	\$ -	182.3	\$ 18,230.00
32 12 00.06	Driveway Patching	TON	80	\$ 100.00	\$ 8,000.00	40	\$ 4,000.00	0	\$ -	40	\$ 4,000.00
32 31 13.01	Fencing (Chain Link)	LF	80	\$ 50.00	\$ 4,000.00		\$ -	0	\$ -	0	\$ -
33 42 00.01	14-ft Wide X 5-ft Tall Reinf. Conc. Box Culvert End Section (MnDOT Class, Type I)	EA	2	\$ 16,000.00	\$ 32,000.00		\$ -	2	\$ 32,000.00	2	\$ 32,000.00
33 42 00.02	14-ft Wide X 5-ft Tall Reinf. Conc. Box Culvert (MnDOT Class I)	LF	38	\$ 1,680.00	\$ 63,840.00		\$ -	38	\$ 63,840.00	38	\$ 63,840.00
BASE BID TOTAL					\$750,543.00		\$95,233.68		\$542,906.95		\$638,140.63

**Bid Alternate 1 (Ryan Drive Wearing Course Paving)**

Item	Description	Unit	Bidding Estimated Quantity	Unit Price	Extension						
32 12 00.03	2-in Type SP 9.5 Wearing Course Mixture 3,C (SPWEA340C)	TON	180	\$ 115.00	\$ 20,700.00		\$ -		\$ -	0	\$ -
BID ALTERNATE #1					\$20,700.00		\$0.00		\$0.00		\$0.00
TOTAL BASE BID PLUS BID ALTERNATE #1					\$771,243.00		\$95,233.68		\$542,906.95		\$638,140.63

**CHANGE ORDER - ADDITIONAL ITEMS**

SUBTOTAL CHANGE ORDERS					\$0.00		\$0.00		\$0.00		\$0.00
TOTAL BASE BID PLUS BID ALTERNATE #1, PLUS CHANGE ORDERS					\$771,243.00		\$95,233.68		\$542,906.95		\$638,140.63
RETAINAGE (5% Retainage)					\$38,562.15		\$4,761.68		\$ 27,145.35		\$31,907.03
TOTAL AMOUNT DUE:							\$90,472.00		\$515,761.60		\$606,233.60

Galowitz Olson, PLLC  
10390 39th Street North  
Lake Elmo, Minnesota 55042  
Office: (651) 777-6960  
Fax: (651) 777-8937

Ramsey-Washington Metro Watershed District  
C/O Tina Carstens  
2665 Noel Drive  
Little Canada MN 55117

Page: 1  
December 20, 2021  
File No: 9M

	Balance
General Account	<u>\$1,375.00</u>

# Permit Application Coversheet

Date January 05, 2022

Project Name MnDOT Highway 36 Drainage Infrastructure Project Number 22-01

Applicant Name Bryce Fossand, MnDOT

Type of Development Maintenance

## Property Description

This project is located within RWMWD along Highway 36 from approximately Edgerton Street to Century Avenue in the cities of Little Canada, Maplewood, and North St. Paul. The project area also extends further east into Valley Branch Watershed District (VBWD). The applicant is proposing to complete a mill and overlay with ADA improvements at intersections, drainage infrastructure repairs, and signal work. The area of land disturbance is 0.59 acre, thus Rule C for stormwater management does not apply. Disturbance of 1,000 square feet adjacent to Knucklehead Lake, a DNR public water wetland, is anticipated and thus triggers Rule F for erosion and sediment control. A DNR Public Waters permit has been applied for. No net fill is proposed within the 100-year floodplain.

## Watershed District Policies or Standards Involved:

- |   |   |
|---|---|
| <input type="checkbox"/> <i>Wetlands</i>              | <input checked="" type="checkbox"/> <i>Erosion and Sediment Control</i> |
| <input type="checkbox"/> <i>Stormwater Management</i> | <input type="checkbox"/> <i>Floodplain</i>                              |

## Water Quantity Considerations

There are no water quantity considerations.

## Water Quality Considerations

### *Short Term*

The proposed erosion and sediment control plan is sufficient to protect downstream water resources during construction.

### *Long Term*

There are no long term water quality considerations.

## Staff Recommendation

Staff recommends approval of this permit with the special provisions.

## Attachments:

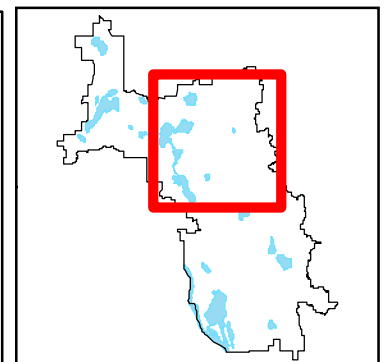
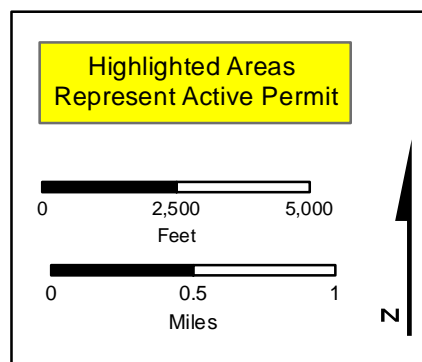
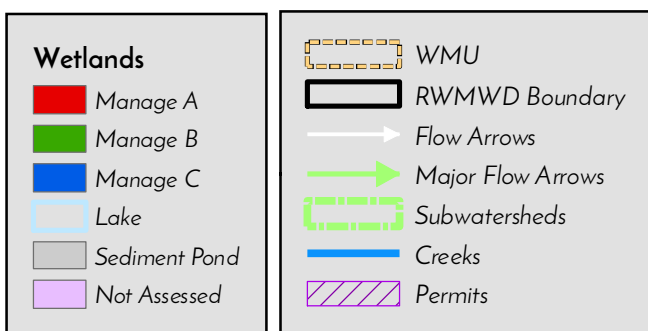
- ☒ Project Location Map
- ☐ Project Grading Plan



# #22-01 MnDOT Highway 36 Drainage Infrastructure



Note: Shaded area is outside RWMWD





22-01

### Special Provisions

1. The applicant shall submit contact information for the trained erosion control coordinator responsible for implementing the Stormwater Pollution Prevention Plan (SWPPP).
2. The applicant shall submit the final, signed plans.

## Stewardship Grant Application Summary

**Project Name:** Woodbury City Hall Improvements Phase 2

**Application Number:** 22-01 CS

**Board Meeting Date:** 1/5/2022

**Applicant Name:** Kristin Seaman

**Residential** ☐

**Commercial/Government** ☒

### Project Overview:

This project is located at the Woodbury City Hall Campus off Valley Creek Road and Radio Drive in Woodbury. The applicant is proposing to install a stormwater retrofit project to improve their parking lot drainage and increase stormwater captured on the site. They are proposing to install 2 tree trenches and several pockets of native plantings around the parking lot. The tree trenches (cost estimate \$90,000) are eligible for 100% coverage and the native planting area (cost estimate \$30,000) is eligible for 50% coverage for a total grant of \$100,000. RWMWD provided the applicant a grant for the installation of porous pavers in Drainage Area 3 of the parking lot in 2006 (#06-16 CS). The applicant is proposing to rehab this area using City funds and will also cover the cost of the native plantings not covered by our grant dollars.

### BMP type(s):

Native Habitat Restoration(1), Tree Trench(2)

### Grant Request:

\$100,000.00

### Recommendation:

Staff recommends approval of this application.

### Subwatershed:

Battle Creek Lake

### Location Maps:





#### Drainage Area (1)

Construct Tree Trench  
(see Sht-3 Tree Trench Detail)  
Tie into existing outfall structure  
Designed for Biofiltration

#### Drainage Area (2)

Construct Tree Trench  
(see Sht-3 Tree Trench Detail Sheet)  
Tie into existing outfall structure  
Designed for Biofiltration

#### Drainage Area (3)

Replace permeable pavers  
Update raingarden planting

plan created by:



**Washington  
Conservation District**  
455 Hayward Ave N  
Oakdale, MN 55128  
(651) 330-8220  
www.mnwc.org



**RAMSEY-WASHINGTON**  
METRO WATERSHED DISTRICT

2665 Noel Drive - Little Canada, MN 55117  
(651) 792-7950 www.rwmwd.org

Project Address

Woodbury City Hall  
6301 Valley Creek Rd  
Woodbury, MN 55125

Project Designer

Andrew Novak  
Washington Conservation District

Project Title

Woodbury City Hall

Sheet Title

BMP Concept

CAD File Name

PLAN Woodbury City Hall.dwg

Revision

Drawn By

Reviewed By

Date

Scale

Sheet No.

**4**

**of**

**19**

# Consent Agenda Item

---

**Board Meeting Date:** January 5, 2022

**Agenda Item No:** 3E

**Preparer:** Tina Carstens, Administrator

---

**Item Description:** District Liability Insurance Coverage Waiver

---

**Background:**

As required by our annual insurance renewal application, we need to stipulate whether the District waives the tort liability limits set by the legislature for government agencies. The District has historically chosen to not waive the liability limits, which limits our exposure to liability claims to the legislative limit of \$500,000 per individual or \$1,500,000 in total. I have completed the form accordingly and attached it to this request for board action.

---

**Applicable District Goal and Action Item:**

**Goal: Manage effectively:** The District will operate in a manner that achieves its mission while adhering to its core principles.

**Action Item:** Follow all legal requirements applicable to watershed districts.

---

**Staff Recommendation:**

Approve the Liability Coverage Waiver Form indicating the District does not waive the monetary limits on municipal tort liability.

---

**Financial Implications:**

There are no budget implications for this action at this time.

---

**Board Action Requested:**

Approve the Liability Coverage Waiver Form indicating the District does not waive the monetary limits on municipal tort liability.



## **LIABILITY COVERAGE – WAIVER FORM**

**Members who obtain liability coverage through the League of Minnesota Cities Insurance Trust (LMCIT) must complete and return this form to LMCIT before the member's effective date of coverage. Return completed form to your underwriter or email to [psstech@lmc.org](mailto:psstech@lmc.org).**

*The decision to waive or not waive the statutory tort limits must be made annually by the member's governing body, in consultation with its attorney if necessary.*

Members who obtain liability coverage from LMCIT must decide whether to waive the statutory tort liability limits to the extent of the coverage purchased. The decision has the following effects:

- *If the member does not waive the statutory tort limits, an individual claimant could recover no more than \$500,000 on any claim to which the statutory tort limits apply. The total all claimants could recover for a single occurrence to which the statutory tort limits apply would be limited to \$1,500,000. These statutory tort limits would apply regardless of whether the member purchases the optional LMCIT excess liability coverage.*
- *If the member waives the statutory tort limits and does not purchase excess liability coverage, a single claimant could recover up to \$2,000,000 for a single occurrence (under the waive option, the tort cap liability limits are only waived to the extent of the member's liability coverage limits, and the LMCIT per occurrence limit is \$2,000,000). The total all claimants could recover for a single occurrence to which the statutory tort limits apply would also be limited to \$2,000,000, regardless of the number of claimants.*
- *If the member waives the statutory tort limits and purchases excess liability coverage, a single claimant could potentially recover an amount up to the limit of the coverage purchased. The total all claimants could recover for a single occurrence to which the statutory tort limits apply would also be limited to the amount of coverage purchased, regardless of the number of claimants.*

Claims to which the statutory municipal tort limits do not apply are not affected by this decision.

---

LMCIT Member Name: Ramsey-Washington Metro Watershed District

---

*Check one:*



The member **DOES NOT WAIVE** the monetary limits on municipal tort liability established by [Minn. Stat. § 466.04](#).



The member **WAIVES** the monetary limits on municipal tort liability established by [Minn. Stat. § 466.04](#), to the extent of the limits of the liability coverage obtained from LMCIT.

Date of member's governing body meeting: January 5, 2022

Signature: Tina Carstens

Position: Administrator



\* \* \* \* \*

# Permit Program

\* \* \* \* \*



# RAMSEY-WASHINGTON

## METRO WATERSHED DISTRICT

### MEMORANDUM

**Date:** January 5, 2022

**To:** Board of Managers and Staff

**From:** Nicole Soderholm, Permit Coordinator  
Mary Fitzgerald, District Inspector

**Subject:** December Enforcement Action Report

During December 2021:

**Number of Violations:** 0

#### Activities:

Permitting assistance to private developers and public entities, miscellaneous resident inquiries, ongoing ESC site inspections and reporting, WCA administration, new permit review with Barr Engineering, permit close-out inspections, wetland restoration enforcement, MAWD conference, permit team meeting

#### Project Updates:

As we enter the end of 2021, many permitted projects are nearly complete. Given snow cover/frozen conditions and lack of rainfall, many of these sites will need to wait to be inspected in the spring of 2022. Types of inspections needed include underground stormwater system inspections, vegetation inspections, and 48-hour rainfall inspections. Recently completed projects that fall into this category include: Conway Recreation Center Athletic Fields (20-02), Margaret Street Downtown Improvements (19-51), Margaret Street Apartments – Uptown Commons (19-41), Mead Metals Addition (21-02), Luella Pond Outlet (21-28), and Kwik Trip North St. Paul (21-14). Staff will work together in the spring to ensure inspections and proper follow-up are completed.

#19-04 Hiway Federal Credit Union (Woodbury)

Construction continues at the future Hiway Federal Credit Union site in Woodbury off Valley Creek Road and Woodlane Drive. Significant progress has been made with underground stormwater install, curb and gutter, and paving complete. Dirt work is inactive through winter

with temporary cover installed, and primary work is mostly focused on exterior/interior building work. Staff conducted a routine inspection on December 1<sup>st</sup> and found the site to be compliant, however some biolog maintenance was needed at the NE perimeter. Staff discussed these findings with the onsite superintendent. Staff followed up with this contact on December 15<sup>th</sup> and confirmed repair work was complete.

#### #21-22 748 Bielenberg Medical Office Building (Woodbury)

The future medical office building in Woodbury off Bielenberg Drive and Tamarack Road began construction in late fall with some grading and building footings completed to date. Staff inspected the site on December 1<sup>st</sup> with the site's superintendent. The site was compliant, but staff discussed the need for stabilization in the area where the temporary stockpile was removed due to the amount of sediment left behind. Staff revisited the site on December 15<sup>th</sup> to verify stabilization. Staff visually confirmed the use of seed and straw mulch. Staff communicated with site contacts that permit requirements were met, but additional straw mulch install would likely be needed to reach at least 90% ground coverage. Staff will continue to inspect the site and communicate findings to site contacts.

#### **Single Lot Residential Permits Approved by Staff:**

None

#### **Permits Closed:**

- 16-34 The Glen at Valley Creek (Woodbury)
- 19-37 Contanda Terminal Berm Repair (St. Paul)
- 19-43 CDI Medical Office (Maplewood)
- 20-40 Atomic Architectural Sheet Metal (Vadnais Heights)



## Permit Program Summary 2019-2021

	2019	2020	2021
Open Permits	122	129	122
Board-Approved Applications	52	40	33
ESC Inspections	472	492	523
Violations	108	84	119
Verbal Warnings	10	4	2
Surety Deductions	\$6,045	\$4,650	\$3,335
Non-Compliant Inspection Reports	39	30	38
% Inspections Found Non-Compliant	Not reported	6	7
Permits Closed	25	29	40
Active Sites	65	64	44
% Active Sites Received Violations	Not reported	53	52
WCA Applications	25	22	23

### 4 most common ESC violations observed in 2021

- Install/Maintain Perimeter Control (32 violations)
- Stabilize Exposed Soils (20 violations)
- Contain/Dispose of Liquid & Solid Waste (17 violations)
- Install/Maintain Inlet Protection (15 violations)

### Trends/Observations

- Permit applications down compared to previous years— could be covid/supply chain related
- Less active sites this year, increased frequency of inspections
- Increase in permit closures due to more concentrated effort
- 5 residential permit applications (slightly up) with 2 overall violations
- Slightly more violations overall —about half of active sites account for all violations for the year
- Stormwater Impact Fund (SIF) contributions down last two years following increase to \$100,000 per acre of impervious that went into effect 1/1/20

### Permit Program Updates in 2021:

- Board approved permanent adoption of single lot residential permitting procedures after reviewing program data with the understanding that future implementation, including fees and rule changes, can be made with further approval from the board.

\* \* \* \* \*

# Stewardship Grant Program

\* \* \* \* \*

# Stewardship Grant Program Budget Status Update

January 5, 2022

Homeowner	Coverage	Number of Projects: 0	Funds Allocated
Habitat Restoration and rain garden w/o hard surface drainage	50% Cost Share \$15,000 Max	0	\$0
Rain garden w/hard surface drainage, pervious pavement, green roof	75% Cost Share \$15,000 Max	0	\$0
Master Water Steward Project	100% Cost Share \$15,000 Max	0	\$0
Shoreland Restoration	100% Cost Share \$15,000 Max	0	\$0

Commercial, School, Government, Church, Associations, etc.	Coverage	Number of Projects: 1	Funds Allocated
Habitat Restoration	50% Cost Share \$15,000 Max	0	\$0
Shoreland Restoration (below 100-year flood elevation w/actively eroding banks)	100% Cost Share \$100,000 Max	0	\$0
Priority Area Projects	100% Cost Share \$100,000 Max	1	\$100,000*
Non-Priority Area Projects	75% Cost Share \$50,000 Max	0	\$0
Public Art/Project Research	50% Cost Share	0	\$0
Aquatic Veg Harvest/LVMP Development	50% Cost Share \$15,000 Max	0	\$0

Maintenance	50% Cost Share \$5,000 Max for 5 Years	60	\$44,750
Consultant Fees			\$0
<b>Total Allocated</b>			<b>\$144,750</b>

2022 Stewardship Grant Program Budget		
	Budget	\$1,000,000
	Total Funds Allocated	\$144,750
	<b>Total Available Funds</b>	<b>\$855,250</b>

*\*Includes projects pending approval at the January 5, 2022 board meeting.*

\* \* \* \* \*

# Presentations

\* \* \* \* \*

**DRAFT**

## Memorandum

**To:** RWMWD Board of Managers  
**From:** Erin Anderson Wenz, Lulu Fang, Kim Baker, and Parker Brown (Barr Engineering Co.)  
**Subject:** Update on Kohlman Creek Subwatershed Flood Risk Reduction Study and Ames Lake Area Flood Risk Reduction Study (Part 3)  
**Date:** December 30, 2021  
**Project:** 23621200.20 and 23621200.21  
**c:** Tina Carstens and Brad Lindaman

The purpose of this technical memorandum is to provide project update reference materials that will be discussed at the Ramsey-Washington Metro Watershed District's (District's or RWMWD's) January Board meeting.

### 1.1 Background and Overview of Recommendations

Last month, Barr provided the managers with a technical memorandum dated December 2, 2021, titled "Update on Kohlman Creek Subwatershed Flood Risk Reduction Study, and Ames Lake Area Flood Risk Reduction Study (Part 2)." This memo expands upon that document.

In last month's technical memorandum, an overview of preliminary recommendations for system modifications in Phase 3 areas was provided as shown in Figure 1A (Willow Creek Subwatershed) and Figure 1B (Kohlman Creek Subwatershed). Further descriptions of the phasing of all the elements shown in Figures 1A and 1B are provided in subsequent sections of this memorandum.

Also presented last month, an overview of preliminary recommendations for system modifications in Phase 4 areas was provided as shown in Figure 2 (Phalen Chain of Lakes Subwatershed). Further descriptions of the phasing of all the elements shown in Figure 2 are provided in subsequent sections of this memorandum.

Two past studies have been referenced in the previous two technical memoranda. Documentation from these studies are hyperlinked below, for ease of the managers' reference.

- [Technical memorandum dated September 4, 2018, titled "Identification and Prioritization of Potentially Flood-Prone Structures."](#)
- [System-Wide Evaluation of Flood-Risk Mitigation Options: Beltline Resiliency Study \(November 2020\).](#)



## 1.2 Sequencing

As discussed in the December 2, 2021, technical memorandum, the interdependencies of the proposed system modifications are an important consideration as upstream changes affect downstream areas. Project sequencing refers to the order that system modifications should be constructed to prevent adverse downstream impacts. Tables 1 through 3 include planning-level considerations related to project sequencing to avoid increases to downstream water levels. "Prerequisite System Modifications" are upstream system modifications that would have to be implemented prior to a downstream system modification because of the impact that the upstream change would have on a downstream area. The extent of project 3D (modifications to PCU Pond), for example, depends on whether projects 3C-1 or 3C-2 are implemented (medium or high flow diversion to Wakefield Lake option). Likewise, the extent of project 3F (Improvements to Wetland West of White Bear Avenue) depend on the extent of project 3D. Conversely, most site-scale solutions, can be pursued independently without doing anything first upstream.

## 1.3 Flood Risk Frequency Analysis

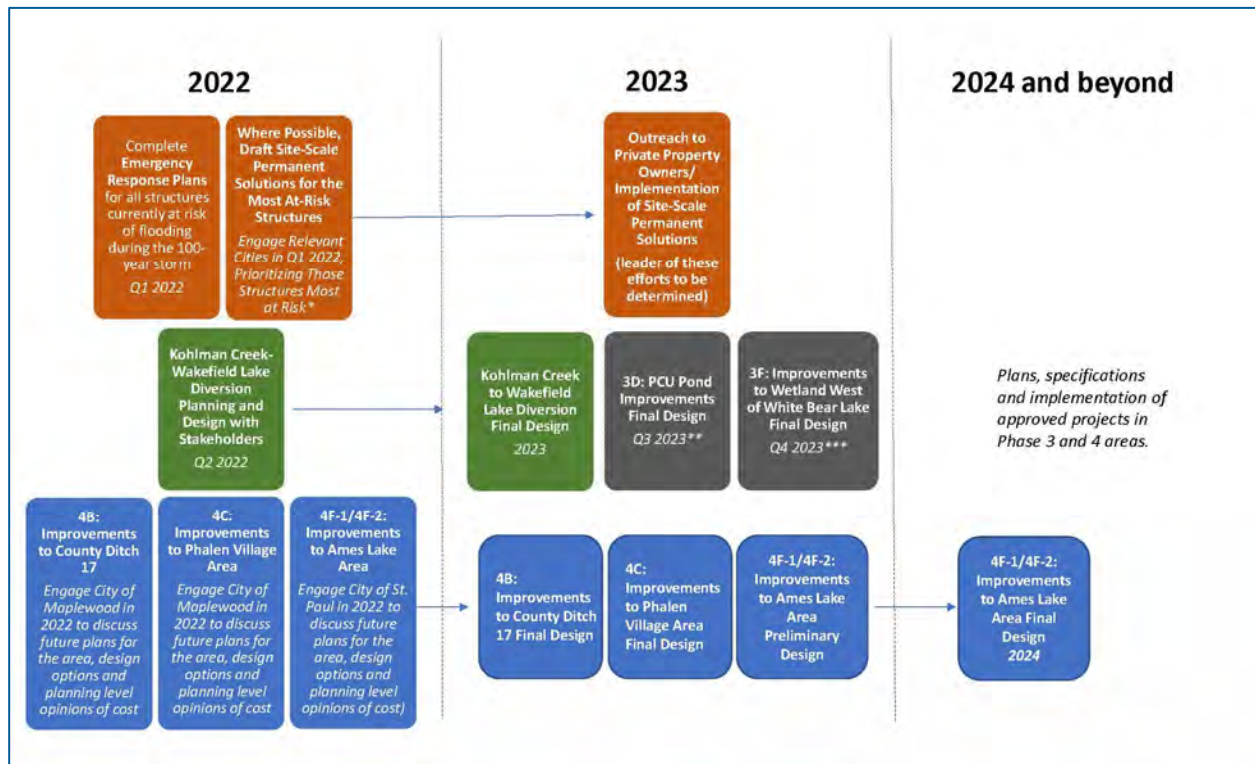
Tables 1 through 3 also show the level of protection (50-year, 25-year, etc.) each structure has under current conditions. This information was prepared to help inform prioritization of implementation, as it may be appropriate to prioritize those projects that currently are at risk of flooding during smaller, more frequent events (e.g., the 10-year event) than those whose risk of flooding doesn't start until a larger, less frequent (e.g., 50-year event). In other words, the most at-risk structures could be considered those that are unprotected from flooding during storm events that are *more frequent* than the 100-year storm event (the smaller the level of protection, the greater (more frequent) the flood risk. These considerations will be shared with the cities as engagement efforts move into 2022.

**To:** RWMWD Board of Managers  
**From:** Erin Anderson Wenz, Lulu Fang, Kim Baker, and Parker Brown (Barr Engineering Co.)  
**Subject:** Update on Kohlman Creek Subwatershed Flood Risk Reduction Study and Ames Lake Area Flood Risk Reduction Study (Part 3)  
**Date:** December 30, 2021  
**Page:** 3

---

## 2.0 Next Steps

The flow chart below proposes next steps for the RWMWD's work in the Phase 3 and 4 areas in 2022, 2023 and beyond. All of the potential projects require significant collaboration with the cities in which they would occur- 2022 efforts start with a series of meetings to share our initial recommendations, get feedback, and to solicit additional ideas on project implementation and phasing.



\*The most at-risk structures could be considered those that are unprotected from flooding during storm events that are *more frequent* than the 100-year storm event (the smaller the level of protection, the greater (more frequent) the flood risk).

An important first step in 2022 is the presentation of the draft emergency response plans and (where possible) potential site scale permanent solutions in areas for which there is not a regional project under consideration. These discussions will be important in both communicating the nature of the flooding issues in each city, as well as gauging city's interest and level or urgency in implementing solutions.

In late December (2021). District staff submitted a grant application to the MPCA's new Climate Resiliency Grant Program that could fund the work needed to pursue the next steps of the Kohlman Creek-Wakefield Lake Diversion Planning and Design effort (the project referred to as 3C-1/3C-2: Flow Diversion to Wakefield Lake Subwatershed in Figure 1B and previous technical memoranda).

In the grant application, the proposed project was described as follows:

*The purpose of this project is to complete the final design of a regional stormwater project that would divert high flows (that currently flow to the North St. Paul Urban Ecology Center) westward*

**To:** RWMWD Board of Managers  
**From:** Erin Anderson Wenz, Lulu Fang, Kim Baker, and Parker Brown (Barr Engineering Co.)  
**Subject:** Update on Kohlman Creek Subwatershed Flood Risk Reduction Study and Ames Lake Area Flood Risk Reduction Study (Part 3)  
**Date:** December 30, 2021  
**Page:** 4

---

*toward (and through) the Goodrich Golf Course, and ultimately Wakefield Lake. The project has the potential to protect up to 17 homes and 5 City of Maplewood buildings from flooding during the 100-year storm event. In fact, most of these areas are currently at risk of flooding under even lesser events, such as the 10-year, the 25-year or the 50-year event.*

*The potential for water reuse or water quality treatment of diverted water will also be evaluated as a part of this design effort. Wakefield Lake, the proposed downstream recipient of the diverted water, is currently on the MPCA's Impaired Waters List for excess nutrients, so it is important to consider flood risk reduction options that would also provide a water quality benefit to Wakefield Lake.*

*These requested grant funds would be leveraged to gather the various stakeholders affected by the project- RWMWD, City of Maplewood, Ramsey County (Goodrich Golf Course) and the MN Department of Natural Resources (Gateway State Trail) to be involved in the design of the project to achieve multiple benefits over and above flood risk reduction (some examples could include improvement of stormwater quality, stormwater reuse and public education). The ultimate goal of this effort is to bring the regional stormwater project to final design with stakeholder agreement to the degree that the next step would be the development of plans and specifications for the project's implementation.*

Draft planning-level cost estimates for projects 4B (Improvements to County Ditch 17) and 4C (Improvements to Phalen Village Area) have been created- these will be finalized and brought to the RWMWD's Board after conversations with the City of Maplewood have begun about these areas (including discussions about emergency response plans and other project alternatives in these areas).

Also, additional potential benefits from each project option (over and above removing structures from the 100-year floodplain) will be developed and shared with the RWMWD Board after conversations with stakeholders have begun in 2022.

**To:** RWMWD Board of Managers  
**From:** Erin Anderson Wenz, Lulu Fang, Kim Baker, and Parker Brown (Barr Engineering Co.)  
**Subject:** Update on Kohlman Creek Subwatershed Flood Risk Reduction Study and Ames Lake Area Flood Risk Reduction Study (Part 3)  
**Date:** December 30, 2021  
**Page:** 5

---

**Table 1: Sequencing Considerations for System Modifications and Current Level of Flood Protection in the Willow Creek Subwatershed (Phase 3)**

Parcel ID	Address	Lowest Adjacent Grade	Existing 100-year Water Surface Elevation	System Modification to Reduce Flood Risk	Prerequisite System Modifications	Current Level of Flood Protection
123-353022320025	3200 ORCHARD CT, White Bear Lake, 55110	913.4	914.2	Site-Scale Solution (District)	None	25 year
123-353022320032	1790 ORCHARD LN, White Bear Lake, 55110	913.6	914.2	Site-Scale Solution(District)	None	50 year

**Table 2: Sequencing Considerations for System Modifications and Current Level of Flood Protection in the Kohlman Creek Subwatershed (Phase 3)**

Parcel ID	Address	Lowest Adjacent Grade	Existing 100-year Water Surface Elevation	System Modification to Reduce Flood Risk	Prerequisite System Modifications	Current Level of Flood Protection
123-112922410013	2220 Hwy 36 E (Castle Ave), North St. Paul, 55109	939.2	941.3	Site Scale Solution (District), and 3C-1 or 3C-2	None	25 year
123-112922410014	2204 Hwy 36 E (Castle Ave), North St. Paul, 55109	939.6	941.3	3C-1, or Site Scale Solution (District) and 3C-2	None	25 year
123-112922440015	2157 SOUTH AVE, North Saint Paul, 55109	940.7	941.3	3C-1 or 3C-2	None	50 year
123-112922440014	2159 SOUTH AVE, North Saint Paul, 55109	939.3	941.3	3C-1, or Site-Scale Solution (District) and 3C-2	None	25 year
123-112922440014	2159 SOUTH AVE, North Saint Paul, 55109	939.5	941.3	3C-1, or Site-Scale Solution (District) and 3C-2	None	25 year
123-112922430108	2187 6TH ST, North Saint Paul, 55109	940.3	941.3	3C-1 or 3C-2	None	25 year
123-112922440029	2172 6TH ST, North Saint Paul, 55109	940.3	941.3	3C-1 or 3C-2	None	50 year
123-112922430105	2205 6TH ST, North Saint Paul, 55109	940.4	941.3	3C-1 or 3C-2	None	25 year
123-112922120078	2133 13TH AVE, North Saint Paul, 55109	937.0	937.2	3D	3C-1 or 3C-2 <sup>1</sup>	50 year
123-112922120079	2127 13TH AVE, North Saint Paul, 55109	934.1	937.2	3D	3C-1 or 3C-2 <sup>1</sup>	10 year
123-112922120100	2119 13TH AVE, North Saint Paul, 55109	933.6	937.2	3D	3C-1 or 3C-2 <sup>1</sup>	10 year
123-112922120077	2138 14TH AVE, North Saint Paul, 55109	936.3	937.2	3D	3C-1 or 3C-2 <sup>1</sup>	25 year
123-112922120076	2132 14TH AVE, North Saint Paul, 55109	937.1	937.2	3D	3C-1 or 3C-2 <sup>1</sup>	50 year
123-112922120111	2570 SEANS WAY, North Saint Paul, 55109	932.6	937.2	3D	3C-1 or 3C-2 <sup>1</sup>	2 year
123-112922120102	2576 SEANS WAY, North Saint Paul, 55109	935.5	937.2	3D	3C-1 or 3C-2 <sup>1</sup>	10 year
123-112922210053	2600 WHITE BEAR AVE, Maplewood, 55109	919.7	922.6	Site-Scale Solution (District)	None	25 year
123-112922210025	2599 ARIEL ST, Maplewood, 55109	922.2	922.6	Site-Scale Solution (District)	None	50 year
123-112922220022	1876 County Road C E, Maplewood, 55109	911.6	913.6	3F	3D	2 year
123-112922220017	1862 County Road C E, Maplewood, 55109	911.9	913.6	3F	3D	2 year
123-112922230007	1807 GERVAIS CT, Maplewood, 55109	912.9	913.6	3F	3D	25 year
123-112922230006	1801 GERVAIS AVE, Maplewood, 55109	913.0	913.6	3F	3D	25 year
123-112922230006	1801 GERVAIS AVE, Maplewood, 55109	913.3	913.6	3F	3D	25 year
123-112922230006	1801 GERVAIS AVE, Maplewood, 55109	912.0	913.6	3F	3D	25 year
123-042922410013	2806 MAPLEWOOD DR, Maplewood, 55109	867.8	870.4	Site-Scale Solution (District)	None	50 year

<sup>1</sup> Project 3C-1 or 3C-2 are optional projects in terms of protecting this structure. 3C-1 or 3C-2 implementation lessens the extent of option 3D.

**To:** RWMWD Board of Managers  
**From:** Erin Anderson Wenz, Lulu Fang, Kim Baker, and Parker Brown (Barr Engineering Co.)  
**Subject:** Update on Kohlman Creek Subwatershed Flood Risk Reduction Study and Ames Lake Area Flood Risk Reduction Study (Part 3)  
**Date:** December 30, 2021  
**Page:** 6

**Table 3: Sequencing Considerations for System Modifications and Current Level of Flood Protection in the Phalen Chain of Lakes Subwatershed (Phase 4)**

Parcel ID	District or Site-Scale	Address	Lowest Adjacent Grade	Existing 100-Year Water Surface Elevation	System Modification to Reduce Flood Risk	Prerequisite System Modifications <sup>1</sup>	Current Level of Flood Protection
222922330180-842	Local	1205 Clarence St, St. Paul 55106	858.8	860	Site-Scale Solution (City)	None	25 year
222922330175-792	Local	1221 Clarence St, St. Paul 55106	858.6	860	Site-Scale Solution (City)	None	25 year
	Local	1223 Clarence St, St. Paul 55106	858.6	860	Site-Scale Solution (City)	None	25 year
	Local	1225 Clarence St, St. Paul 55106	858.6	860	Site-Scale Solution (City)	None	25 year
	Local	1227 Clarence St, St. Paul 55106	858.6	860	Site-Scale Solution (City)	None	25 year
	Local	1229 Clarence St, St. Paul 55106	858.5	860	Site-Scale Solution (City)	None	25 year
222922330170-742	Local	1235 Clarence St, St. Paul 55106	858.1	860	Site-Scale Solution (City)	None	25 year
	Local	1237 Clarence St, St. Paul 55106	858.0	860	Site-Scale Solution (City)	None	25 year
	Local	1239 Clarence St, St. Paul 55106	858.0	860	Site-Scale Solution (City)	None	25 year
	Local	1241 Clarence St, St. Paul 55106	858.0	860	Site-Scale Solution (City)	None	25 year
	Local	1243 Clarence St, St. Paul 55106	857.9	860	Site-Scale Solution (City)	None	25 year
	Local	1251 Clarence St, St. Paul 55106	858.6	860	Site-Scale Solution (City)	None	25 year
222922330167-69 2	Local	1253 Clarence St, St. Paul 55106	858.6	860	Site-Scale Solution (City)	None	25 year
	Local	1255 Clarence St, St. Paul 55106	858.6	860	Site-Scale Solution (City)	None	25 year
222922330104	Local	1305 Maryland Ave, St. Paul 55106	857.7	860	Site-Scale Solution (City)	None	25 year
62922120005	District	1275 Magnolia Ave, Saint Paul 55106	859.4	860.7	Site-Scale Solution (District)	None	25 year
222922420113	Local	1577 Clear Ave, St. Paul 55106	916.9	918.2	Site-Scale Solution (City)		10 year
222922420114	Local	1583 Clear Ave, St. Paul 55106	916.4	918.2	Site-Scale Solution (City)		2 year
222922420115	Local	1589 Clear Ave, St. Paul 55106	915.9	918.2	Site-Scale Solution (City)		2 year
222922420076	Local	1592 Sherwood Ave, St. Paul 55106	923.2	923.3	Site-Scale Solution (City)		50 year
272922120039	Local	1604 Maryland Ave E, Saint Paul 55106	893.8	894.1	Site-Scale Solution (City)		50 year
272922140130	Local	1688 Lacrosse St, St. Paul 55106	909.7	909.8	Site-Scale Solution (City)		50 year
222922140158	Local	1688 Nevada Ave, St. Paul 55106	929.9	929.9	Site-Scale Solution (City)		50 year
222922420139	Local	1655 Cottage Ave, St. Paul 55106	921.3	923.2	Site-Scale Solution (City)		2 year
222922410125	Local	1659 Cottage Ave, St. Paul 55106	922.3	923.2	Site-Scale Solution (City)		10 year
222922110135	District	1671 Hoyt Ave, St. Paul 55106	927.6	928	Site-Scale Solution (District)	None	50 year
222922140111	District	1680 Montana Ave, St. Paul 55106	927.5	928	Site-Scale Solution (District)	None	50 year
222922140110	District	1684 Montana Ave, St. Paul 55106	927.5	928	Site-Scale Solution (District)	None	50 year
222922140109	District	1690 Montana Ave, St. Paul 55106	927.7	928	Site-Scale Solution (District)	None	50 year
222922140108	District	1696 Montana Ave, St. Paul 55106	927.4	928	Site-Scale Solution (District)	None	50 year
222922140011	District	1720 Hoyt Ave, St. Paul 55106	928.0	928	Site-Scale Solution (District)	None	50 year

<sup>1</sup>4A is already complete and is therefore not noted where it affects downstream structures.

<sup>2</sup> 3C-1 or 3C-2 are optional projects in terms of protecting this structure. 3C-1 or 3C-2 implementation lessens the extent of option 4B or site-scale options that would be otherwise necessary.

**To:** RWMWD Board of Managers  
**From:** Erin Anderson Wenz, Lulu Fang, Kim Baker, and Parker Brown (Barr Engineering Co.)  
**Subject:** Update on Kohlman Creek Subwatershed Flood Risk Reduction Study and Ames Lake Area Flood Risk Reduction Study (Part 3)  
**Date:** December 30, 2021  
**Page:** 7

**Table 3: Sequencing Considerations for System Modifications in the Phalen Chain of Lakes Subwatershed (Phase 4) *continued***

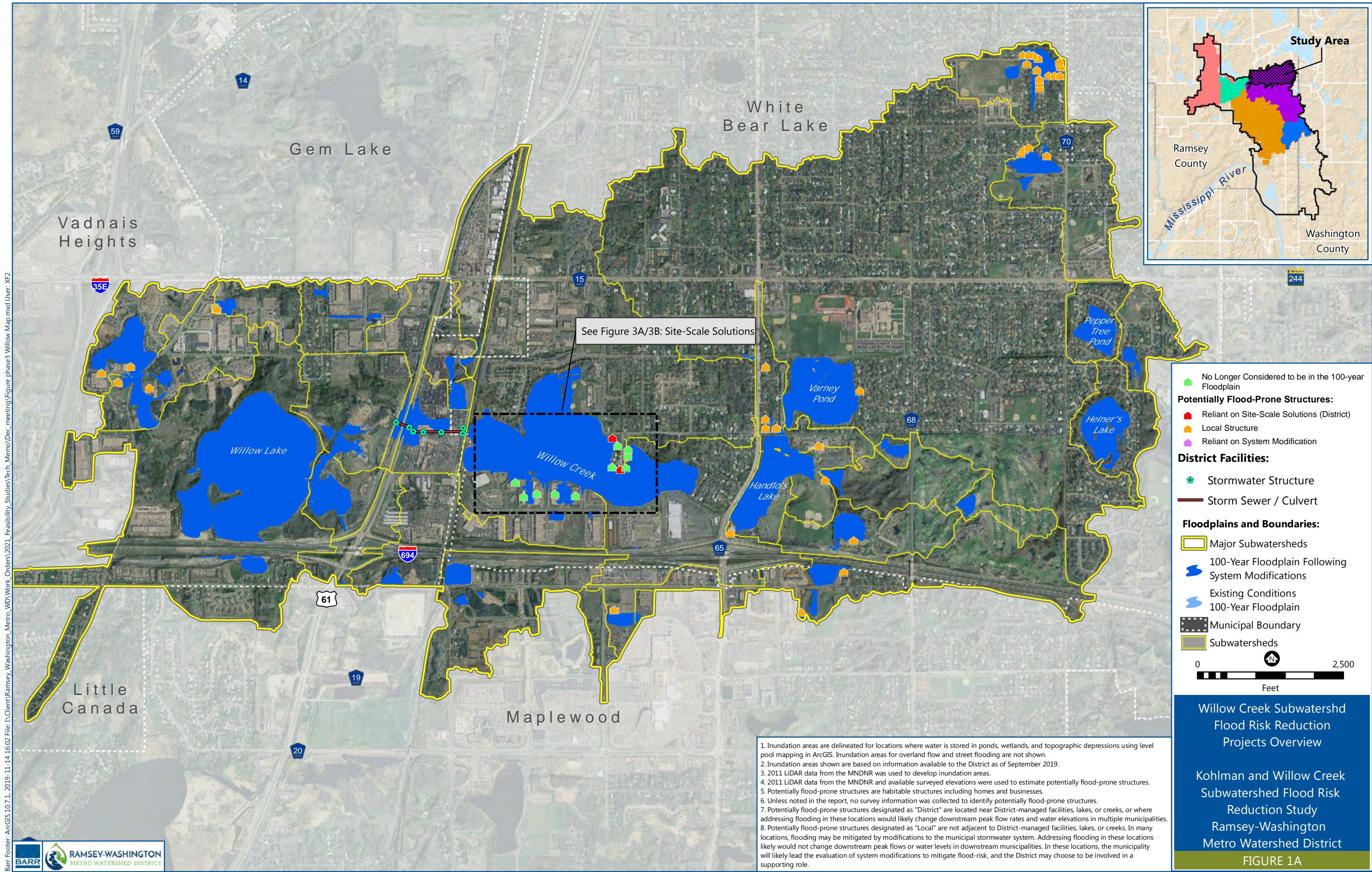
Parcel ID	District or Site-Scale	Address	Lowest Adjacent Grade	Existing 100-Year Water Surface Elevation	System Modification to Reduce Flood Risk	Prerequisite System Modifications <sup>1</sup>	Current Level of Flood Protection
152922420007	District	1870 Maryknoll Ave, Maplewood 55109	901.9	903.4	4B	3C-1 or 3C-2 <sup>2</sup>	25 year
152922420032	District	1871 Maryknoll Ave, Maplewood 55109	903.0	903.4	4B	3C-1 or 3C-2 <sup>2</sup>	50 year
152922420031	District	1872 Prosperity Rd, Maplewood 55109	901.9	903.4	4B	3C-1 or 3C-2 <sup>2</sup>	25 year
152922420002	District	1638 Frost Ave, Maplewood 55109	901.5	903.4	4B	3C-1 or 3C-2 <sup>2</sup>	10 year
152922420006	District	1880 Maryknoll Ave, Maplewood 55109	901.6	903.4	4B	3C-1 or 3C-2 <sup>2</sup>	10 year
152922420033	District	1885 Maryknoll Ave, Maplewood 55109	903.4	903.4	4B	3C-1 or 3C-2 <sup>2</sup>	50 year
152922420005	District	1894 Maryknoll Ave, Maplewood 55109	902.7	903.4	4B	3C-1 or 3C-2 <sup>2</sup>	50 year
152922420004	District	1904 Maryknoll Ave, Maplewood 55109	901.8	903.4	4B	3C-1 or 3C-2 <sup>2</sup>	25 year
152922140032	District	1936 Kennard St, Maplewood 55109	903.3	904.1	Site-Scale Solution (District)	3C-1 or 3C-2 <sup>2</sup>	50 year
152922140031	District	1944 Kennard St, Maplewood 55109	904.1	904.1	4B (not necessary with 3C-1 or 3C-2)	3C-1 or 3C-2 <sup>2</sup>	50 year
152922140030	District	1948 Kennard St, Maplewood 55109	903.9	904.1	4B (not necessary with 3C-1 or 3C-2)	3C-1 or 3C-2 <sup>2</sup>	50 year
162922310010	District	1858 East Shore Dr, Maplewood 55109	863.0	863	4C	None	50 year
162922310028	District	1880 East Shore Dr, Maplewood 55109 (west bldg)	862.2	863.2	4C	None	2 year
162922310028	District	1880 East Shore Dr, Maplewood 55109 (east bldg)	862.2	863.2	4C	None	2 year
82922110012	District	737 Carla Ln, Little Canada 55109	860.7	861.8	Site-Scale Solution (District)	None	25 year
272922220157	District	1340 Phalen Blvd, St. Paul 55106	856.3	857.9	4F-1 or 4F-2	None	50 year
272922220145	District	1342 Phalen Blvd, St. Paul 55106	855.9	857.9	4F-1 or 4F-2	None	50 year
272922220150	District	1343 Magnolia Ave, St. Paul 55106	856.7	857.9	4F-1 or 4F-2	None	50 year
272922220140	District	1350 Phalen Blvd, St. Paul 55106	856.6	857.9	4F-1 or 4F-2	None	50 year
272922220134	District	1355 Magnolia Ave, St. Paul 55106	857.2	857.9	4F-1 or 4F-2	None	50 year
272922220129	District	1360 Phalen Blvd, St. Paul 55106	857.1	857.9	4F-1 or 4F-2	None	50 year
272922230014	District	1381 Mechanic Ave, St. Paul 55106	854.9	858.4	4F-1 or 4F-2	None	10 year
272922230013	District	1389 Mechanic Ave, St. Paul 55106	855.6	858.4	4F-1 or 4F-2	None	10 year
272922230012	District	1393 Mechanic Ave, St. Paul 55106	856.5	858.4	4F-1 or 4F-2	None	10 year
272922230011	District	1397 Mechanic Ave, St. Paul 55106	856.9	858.4	4F-1 or 4F-2	None	10 year
272922230010	District	1401 Mechanic Ave E, St. Paul 55106	856.5	858.4	4F-1 or 4F-2	None	10 year
272922230009	District	1405 Mechanic Ave, St. Paul 55106	856.8	858.4	4F-1 or 4F-2	None	10 year
272922230007	District	1415 Mechanic Ave, St. Paul 55106	857.6	858.4	4F-1 or 4F-2	None	25 year
272922230006	District	1421 Mechanic Ave, St. Paul 55106	858.3	858.4	4F-1 or 4F-2	None	25 year
272922230003	District	1433 Mechanic Ave, St. Paul 55106	856.8	858.4	4F-1 or 4F-2	None	10 year
272922230002	District	1437 Mechanic Ave, St. Paul 55106	857.6	858.4	4F-1 or 4F-2	None	10 year
272922230042	District	1438 Mechanic Ave, St. Paul 55106	863.0	863.5	4F-1 or 4F-2	None	50 year
272922240061	District	1442 Mechanic Ave, St. Paul 55106	862.4	863.5	4F-1 or 4F-2	None	25 year
272922240056	District	1465 Ames Ave, St. Paul 55106	859.5	863.5	4F-1 or 4F-2	None	10 year

<sup>1</sup>4A is already complete and is therefore not noted where it affects downstream structures.

<sup>2</sup>3C-1 or 3C-2 are optional projects in terms of protecting this structure. 3C-1 or 3C-2 implementation lessens the extent of option 4B or site-scale options that would be otherwise necessary.

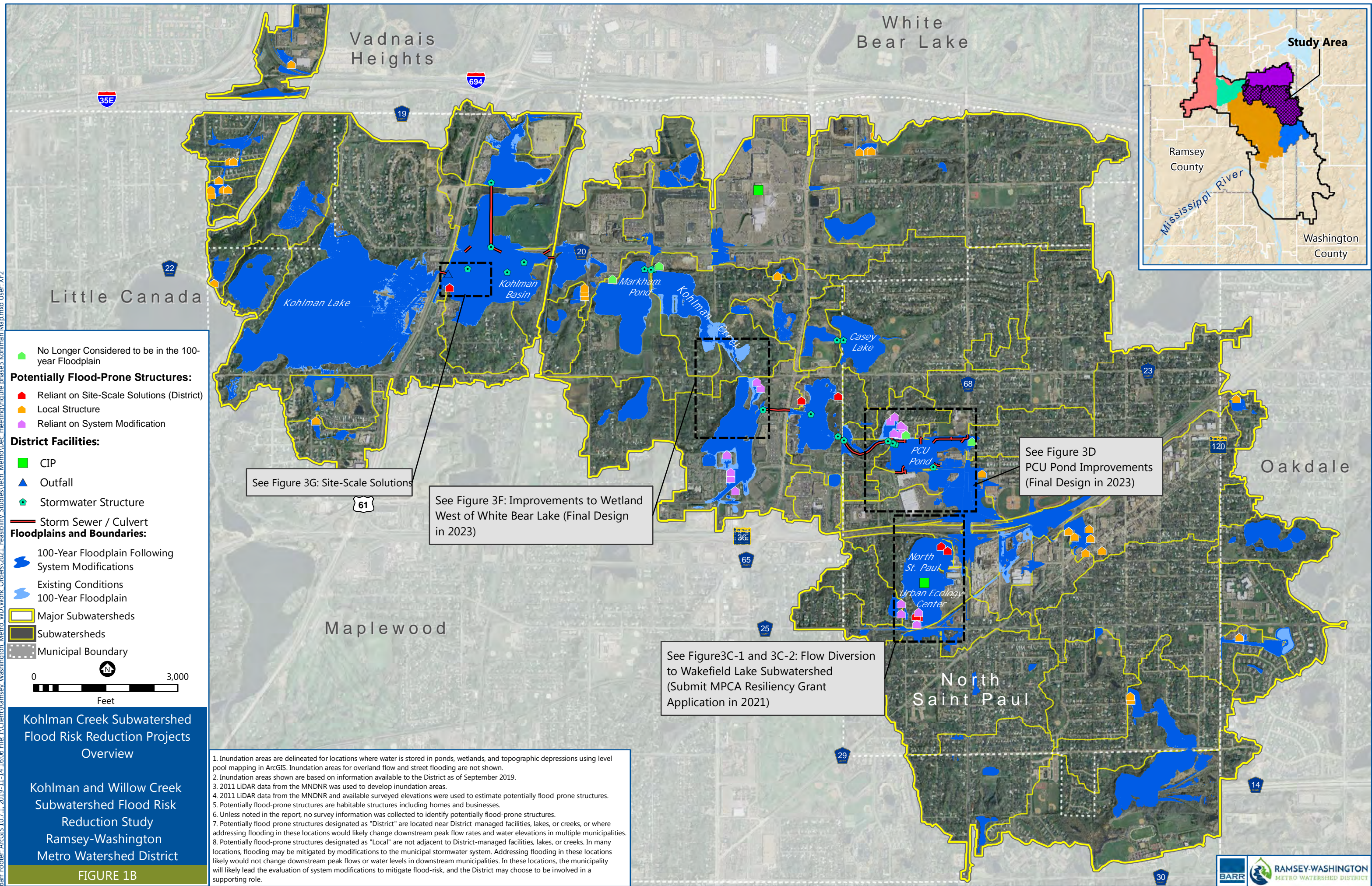


Barr Footer: ArcGIS 10.7.1, 2019-11-14 16:02 File: i:\Client\Ramsey\_Washington\_Metro\_WD\Work\_Orders\2021\_Feasibility\_Studies\Tech\_Memo\Dec\_meeting\Figure phase3 Willow Map.mxd User: XF2





Barr Footer: ArcGIS 10.7.1, 2019-11-14 16:06 File: I:\Client\Ramsey-Washington Metro WD\Work Orders\2021\_Feasibility Studies\Tech\_Memo\Dec\_meeting\Figure phase3 Kohlman Map.mxd User: XF2









\* \* \* \* \*

# Administrator's Report

\* \* \* \* \*

## MEMO

**TO:** Board of Managers and Staff  
**FROM:** Tina Carstens, Administrator  
**SUBJECT:** December Administrator's Report  
**DATE:** December 29, 2021

### A. Meetings Attended

Tuesday, December 7	9:00 AM	Ramsey County Parks Meeting
Wednesday, December 8	6:30 PM	Board Meeting
Wednesday, December 15	9:00 AM	Casey Lake Discussion
Thursday, December 16	8:00 AM	Water Resources Conference Planning
Friday, December 17	8:30 AM	MAWD Events Subcommittee Meeting
Monday, December 20	11:00 AM	Meet with Barr regarding 2022 Projects

### B. Upcoming Meetings and Dates

District Holiday Party	January 11, 2022
Metro MAWD Meeting	January 18, 2022
February Board Meeting	February 2, 2022
CAC Meeting	February 8, 2022
March Board Meeting	March 2, 2022
MAWD Virtual Legislative Event	March 16-17, 2022
April Board Meeting	April 6, 2022
Metro MAWD Meeting	April 19, 2022
CAC Meeting	April 26, 2022
May Board Meeting	May 4, 2022
June Board Meeting	June 1, 2022
WaterFest	June 4, 2022

### C. Ongoing Administrator Updates

**Ramsey County Permitting** – No new information to report after a short time between meetings and the holidays. I still anticipate this to be completed in early 2022 and before we would benefit from an improved process.

**PFCs and Alum Use** – Barr and district staff are talking about these two topics and how to bring information forward for the board. We are planning to have information to the board in an early 2022 board meeting.

**West Vadnais Lake Discussion** – the Vadnais Lake Area Watershed Management Organization (VLAWMO) administrator indicated to me that two of his board members would also like to attend the meeting and discussion. They are all available for the February 2<sup>nd</sup> meeting so we will have that discussion then.

**Victoria Shores/Reiling Development** – The developer has submitted revised plans but did not respond to our comments on those plans in time to be included on the January board agenda.

**D. District Annual Meeting**

I am planning to bring the Annual Meeting materials to the board at their March 2022 meeting. If you aren't able to attend that meeting, please let me know as I would like to be sure we have all board members available. The annual meeting is where you will consider the election of officers and the official designations of engineer, attorney, accountant, bank, and newspapers. This year, that includes the every two year requirement to solicit proposals for the engineer, attorney and accountant. Those calls for proposals will be published in January.

\* \* \* \* \*

# Project and Program Status Reports

\* \* \* \* \*

## Technical Memorandum

**To:** Ramsey-Washington Metro Watershed District (District)  
**From:** Barr Engineering Co. (Barr)  
**Subject:** Wetland Restoration Site Search  
**Date:** December 28, 2021

**DRAFT**

### 1.0 Overview and Background

#### Wetland Assessments

Barr has assisted the District with wetland evaluations for many years. Initially, in 2003, Barr's wetland scientists worked with District staff to complete functional assessments of all wetlands within the watershed using the Minnesota Routine Assessment Method for Evaluating Wetland Functions (MNRAM). In 2013, we conducted additional MNRAM assessments on all wetlands within the Grass Lake watershed when it was acquired by the District.

The assessments were part of an effort to update and improve the District's wetland management program, including determining wetland management classifications, digital mapping of wetlands using ArcView GIS software, and creating a spatial database. The database provides the District with comprehensive wetland function and quality data. The result is an easy-to-use web-based tool for improving day-to-day wetland management and regulatory program administration.

#### Wetland Restoration Opportunities

In 2019, the District asked Barr to conduct a desktop review to identify potential wetland restoration sites throughout the District. Currently, there are no wetland banks within the District (which has a "no-net-loss" policy for wetlands within its boundaries), and changes in the Minnesota Wetland Conservation Act (WCA) result in wetland replacement locations outside of the District. Identifying areas within the District that could be established as wetland bank sites or targeted for site-specific wetland replacement can help development project proponents meet state and watershed rules.

Our search focused on finding opportunities with the potential to help achieve watershed goals and sustainable wetland communities. Using data from previous wetland assessments and other available desktop data, we identified high-priority areas within each subwatershed, where restoring degraded wetlands will help achieve watershed goals. Barr identified 139 potential wetland restoration areas throughout the District, evaluated the potential actions eligible for credit for each potential restoration site, and completed a site-prioritization analysis using a base-level scoring system with additional prioritization factors important to the District, including the following:

- Adjacent habitats
- Buffers and habitat connectivity

- Flood storage potential
- Potential to benefit water quality
- Proximity to other protected lands
- Groundwater sensitivity
- Projected land use
- Size and ease of restoration
- Number of landowners
- Equity initiative areas
- Value-added community amenities
- Willing partnership
- Other opportunities that fulfill district goals and community needs

Some sites are sufficient in size with suitability to be a wetland bank. Other sites may not be suitable for bank establishment; however, they are identified as an option for site-specific wetland replacement to meet District rules.

Barr completed the initial wetland restoration site search in September 2019. We evaluated the potential actions eligible for credit at each site and completed the GIS site-prioritization analysis according to the base scoring system with available additional prioritization information. We prepared a summary of findings for the September 2019 Board of Managers meeting—to discuss proposed prioritization methods and request recommendations for prioritization.

### **Flooded Wetlands Assessments**

During the September 2019 District Board of Managers meeting, the Managers expressed concern regarding the potential degradation of wetlands due to long-term flooding in the Grass Lake area. Managers requested a change in project scope to include a reassessment of flooded wetlands. On October 18, 2019, Barr used MNRAM to reassess 16 wetlands within the Grass Lake and Snail Lake area and compared these results with previous assessments during 2013 normal hydrologic conditions. We prepared a 2013–2019 comparison summary memo and provided recommendations for future management and protection to the Board of Managers in December 2019.

### **Continued Discussion**

A follow-up Board of Managers wetland workshop meeting was planned for January 2020 to discuss impacts of wetlands on prolonged flooding, wetland restoration site-search results and planning, and WCA wetland replacement siting. This workshop was postponed to April 2020 and then put on hold due to the pandemic.

Continued discussion around wetland restoration continues to be a priority for the District. This technical memorandum summarizes the previous wetland restoration site-search results and prioritization, which can be used for discussion and prioritization efforts in 2022.

## **2.0 Reasons for Conducting a Wetland Restoration Site Search**

The search for potential wetland restoration sites within the District began in 2019 due to the following contributing factors:

- Changes in the Minnesota Wetland Conservation Act (WCA) rules and statute focus wetland replacement outside the District.

WCA Statute changes:

- The 2015 WCA statute eliminated the requirement for impacts in the seven-county metropolitan area to be replaced in the seven-county metropolitan area.
- The 2015 statute also includes a change in wetland replacement siting, which skips the first two priorities: 1) replacing on-site or in the same minor watershed and 2) replacing in the same major watershed as the impacted wetland if replacement is through banking. Therefore, the priority order begins at replacement in the same county or wetland bank service area (BSA). This will not become effective until established in the new WCA rules, expected soon.
- The 2017 WCA statute eliminated "county" as a factor in the priority order, and pre-settlement areas are no longer a restriction for replacement proposed within the same BSA. The high-priority areas for wetland replacement currently designated by the Minnesota Board of Water and Soil Resources (BWSR) are generally outside the District and the Twin Cities metropolitan area.
- When the new WCA rules are established, applicants can replace wetlands anywhere in the BSA without regard to the vicinity of the impact location. For example, BSA 7 extends into parts of Aitkin County and Renville County, so a wetland impact in Ramsey County could potentially be replaced 100 miles away.
- The District's policy is no-net-loss of wetlands. In addition, under District Rule E(2)(a)(2), wetland replacement (both constructed and banked) locations are prioritized as follows:
  - On-site
  - Within the same subwatershed
  - Within the District
  - Outside of the District (least preferred)
- There are currently no wetland bank sites within the District. Generally speaking, throughout Minnesota, project-specific wetland replacements have often been unsuccessful. These are often excavated areas that may not be suitable or sustainable for wetland development. Sites in the



metropolitan area typically experience invasion from adjacent non-native vegetation and are not large enough to be self-sustaining and maintain sufficient wetland functions. In addition, applicants often fail to follow through with their responsibilities to monitor and maintain a wetland replacement site to meet designated performance standards.

- Under Minnesota Rules 8420.0522 Subpart 7 F, regulatory agencies, local government units, and other entities involved in wetland restoration must collaborate to identify potential replacement opportunities within their jurisdictional areas.

Because changes in the WCA result in wetland replacement locations outside of the District, and because the District stands by its no-net-loss policy, it is worthwhile to look throughout the District for wetland restoration options. Potential wetland restoration areas identified by the District can help applicants meet both WCA and District rules. Ideal sites are sufficient in size and suitability to be a wetland bank. However, even sites that are not suitable for bank establishment can be identified as an option for site-specific wetland replacement to meet District rules. In addition, sites that don't qualify for replacement credit may still be worthwhile for improving degraded wetlands to help achieve District watershed goals.

The tasks involved in identifying potential wetland restoration sites are described below.

### **3.0 Site Evaluation Methods**

**Task 1** – Reviewing potential wetland restoration sites identified from previous MNRAM wetland assessments and evaluating their potential for wetland bank sites, project-specific wetland replacement, or other restoration opportunities. Barr identified some sites when completing MNRAMs for the Grass Lake Watershed in 2013. For Task 1, we used MNRAM results to identify degraded wetlands, existing high-quality wetlands, and high-priority areas for wetland restoration throughout the District.

**Task 2** – Completing a desktop analysis within the District legal boundaries using available data sets, including the following:

- Hydric soil mappings
- LIDAR topography
- Digital elevation model data
- National Wetland Inventory areas indicated as having been ditched, drained, or partially drained
- Hydric soils mappings in areas not identified as a wetland in the MNRAM or NWI
- Areas with hydric soil adjacent to existing wetlands
- Restorable Wetland Inventory areas identified by the Natural Resources Research Institute
- Land ownership
- USGS topographic maps
- Multiple years of aerial imagery

- Habitat connectivity
- Other data sets to identify potential wetland restoration areas

We also used existing data from previously completed broad-scale evaluations and identified high-priority areas by subwatershed where restoring previously degraded wetlands would contribute to watershed goals.

**Task 3** – Preparing a summary of results that identify potential wetland restoration areas evaluated by the potential actions eligible for credit for each potential wetland restoration site. These areas were prioritized using a base-level scoring system and additional prioritization factors for values important to the District:

- Adjacent habitats
- Buffers and habitat connectivity
- Flood storage potential
- Potential to benefit water quality
- Connectivity with or between important resources
- Proximity to other protected lands
- Groundwater sensitivity
- Projected land use
- Size and ease of restoration
- Number of landowners
- Equity initiative areas
- Value-added community amenities
- Willing partnership
- Other opportunities that fulfill district goals and community needs

## 4.0 Site Prioritization

**Figure 1** shows the location of each of the 139 potential wetland restoration areas within the District. Of the 139 sites identified, we developed an initial scoring system for prioritization in 2019. The base-level scoring system used ratings based on the MNRAM, which include the following:

- Order by size within each subwatershed:
  - 0.1 rating for Small = <1 acre (unless multiple polygons can be combined for one site)
  - 0.5 rating for Medium = 1 to <5 acres
  - 1.0 rating for Large = 5 to 40 acres

- Credit potential
  - Restoration of completely drained or filled wetland areas (MN Rule 8420.0526 Subpart 3) can receive up to 100% credit
  - Restoration of partially drained or filled wetland areas (Subpart 4)
    - A. Cropped, up to 100% credit
    - B. Substantially degraded by partial drainage (ditching, drain tiles, groundwater pumping, lowered outlet elevations, watershed diversion) or fill, up to 50% credit
  - Upland buffer (Subpart 2)—Not evaluated yet; typically 25% credit, maximum 50% credit in special cases, minimum width requirement
  - **Figure 2** provides an estimate of potential credit percentage that each area may receive
  - Can determine an estimated credit potential by combining approximate size and % credit information and then prioritize by:
    - 0.1 rating for small = <1 credit
    - 0.5 rating for medium = 1 to <5 credits
    - 1.0 rating for large = 5 credits or more (5 credits is the minimum for US Army Corps of Engineers [USACE] certification of a bank site)
    - These credit ratings are shown for each potential restoration area in **Figure 3**.
- Ease of restoration
  - 1.0 rating for high-potential sites—break tile line, plug ditch, discontinue pumping, change inlet/outlet elevation
  - 0.5 rating for medium-potential sites—break multiple tile lines and or plug ditch plugs, hydrologic diversion
  - 0.1 rating for low-potential sites—diking, berming, excavation, or grading
- Land ownership
  - 2.0 rating for exceptional potential—all public ownership
  - 1.0 rating for high potential—one landowner
  - 0.5 rating for medium potential—two landowners
  - 0.1 rating for low potential—three or more landowners
  - **Figure 4** shows these land ownership ratings for each potential restoration area
- Restoration without flooding neighbors or existing infrastructure—required

Figure 5 labels the unique identification number of each potential wetland restoration area. Figures 1 through 5 using these base scores (attached), were provided in 2019. In 2019, we also provided a GIS

shapefile, kmz, and prepared a table with the results of each of the 139 sites. For reference, the unique identification number labels in **Figure 5** correspond with the same unique identification numbers in Table 1.

We identified additional prioritization factors (known or readily available) in the summary table and GIS shapefile for each of the 139 sites, which include the following:

- Equity initiative areas
  - 2.0 points for ACP50
  - 1.0 points for ACP
- Value-added community amenities—1 point for yes
- Current degradation condition, trash, dump, clean-up site—1 point for yes
- Habitat restoration opportunities that fulfill District goals and community needs—1 point for yes
- Connection opportunities between multiple potential restoration areas—1 point for yes
- Willing partnerships—required, 1 point if known yes
- Flood storage potential—1 point for yes
- High-priority subwatershed areas where restoring previously degraded wetlands will contribute to achieving watershed goals—1 point for yes
- Potential to benefit water quality, water quality priority areas based on impaired water—1 point for yes
- Adjacent habitat connectivity—1 point for yes
- Projected land-use, known redevelopment area, tax forfeit, abandonment or demolition plans, low-use parking lot or park—1 point for yes
- Connectivity with or between important resources—1 point for yes
- Proximity to other protected lands, natural resources, and special features such as the following existing features identified within the District—1 point for each yes:
  - Minnesota Biological Survey sites of outstanding or high biodiversity significance and native plant communities
  - Mississippi River critical area
  - Groundwater sensitivity and wellhead protection areas
  - MNDNR scientific and natural area
  - DNR fisheries land
  - Central Region—Regionally ecologically significant areas and Central Region green infrastructure

- Aquatic management area,
- Parks and trails
- Schools
- Impaired waters
- Mussel survey sites
- Wild rice location
- MN DNR relevè sites
- Potential areas with threatened, endangered, and special-concern species
- Rare natural communities

## 5.0 Revised Prioritization Scoring Recommendations

Since the scale of the baseline scoring system used in the MNRAM (0.1=low, 0.5=medium, and 1.0 = high) is not consistent with the additional prioritization factor point system, we recommend aligning the baseline scoring system with the additional prioritization factor point system. We have used a similar point system for baseline scoring of large-scale evaluations in northern Minnesota. This would provide 1 point for a low rating, 2 points for a medium rating, and 3 points for a high rating in each of the baseline scoring categories.

The attached revised Table 1 and Figure 6 use this recommended revised scoring system, which allows for overall ratings using all prioritization factors evaluated.

## 6.0 Results

Barr identified 139 potential wetland restoration polygons through an analysis using Task 1 and Task 2 methods described in Section 3. These potential wetland restoration areas are within each municipality in the District and within all of the District subwatersheds, except the St. Paul Beltline.

- The size of the restorable wetland area and the potential credits it provides is often a deciding factor in whether a restoration effort is worthwhile. Of the 139 polygons identified:
  - Forty-three of the potential wetland restoration polygons are less than 1 acre. However, many of these could be grouped into larger general areas with multiple polygons in the same area connected to existing wetlands or water bodies.
  - Thirty-one potential sites are larger than 5 acres. A wetland bank site would need to generate at least 5 credits. However, some sites may only receive 50% credit.
  - Six potential restoration sites are larger than 20 acres.
  - The following is a preliminary summary of the largest potential sites identified:

- We identified approximately 70 acres within Central Park (Victoria and Dale) and Muriel Sahlin Arboretum east of Bennett Lake as partially drained/ditched wetlands that could receive 50 percent credit for restoration.
  - We identified approximately 25 acres within Ladyslipper Park, south of Lake Owasso, as partially drained/ditched wetlands that could receive 50 percent credit for restoration.
  - We identified approximately 30 acres at the east edge of Kohlman Lake as partially drained/ditched wetlands that could receive 50 percent credit for restoration. Five additional polygons, totaling 28 acres within the Kohlman Lake and Kohlman Creek area, could be included with a restoration project.
- The identified potential restoration areas appear to have been degraded due to typical types of hydrologic alteration such as ditching, drain tiles, or filling.
  - Awareness of the following additional activities could provide identification of other potential restoration areas:
    - Groundwater pumping
    - Lowered outlet elevations
    - Watershed diversion
    - Parks and/or ballfields that may be abandoned
    - Unused parking lots
    - Tax-forfeit properties
    - Demolitions planned
    - Redevelopment areas
    - Green infrastructure corridors

**Table 1** and **Figure 6** provide the results of each potential wetland restoration area based on the recommended revised scoring methodology described in Section 5 and highlights the top nine sites (highest overall rating scores), which are also shown in Figure 7. For reference, each polygon in Figure 7 is labeled with the unique wetland identification number used in Table 1. Note that some information about potential restoration opportunities is unknown, so the results can change as more information becomes available. In addition, wetland restoration opportunities may be prioritized differently according to specific project needs. For example, combining multiple polygons with high overall ratings may provide a practical option for establishing one wetland bank site.

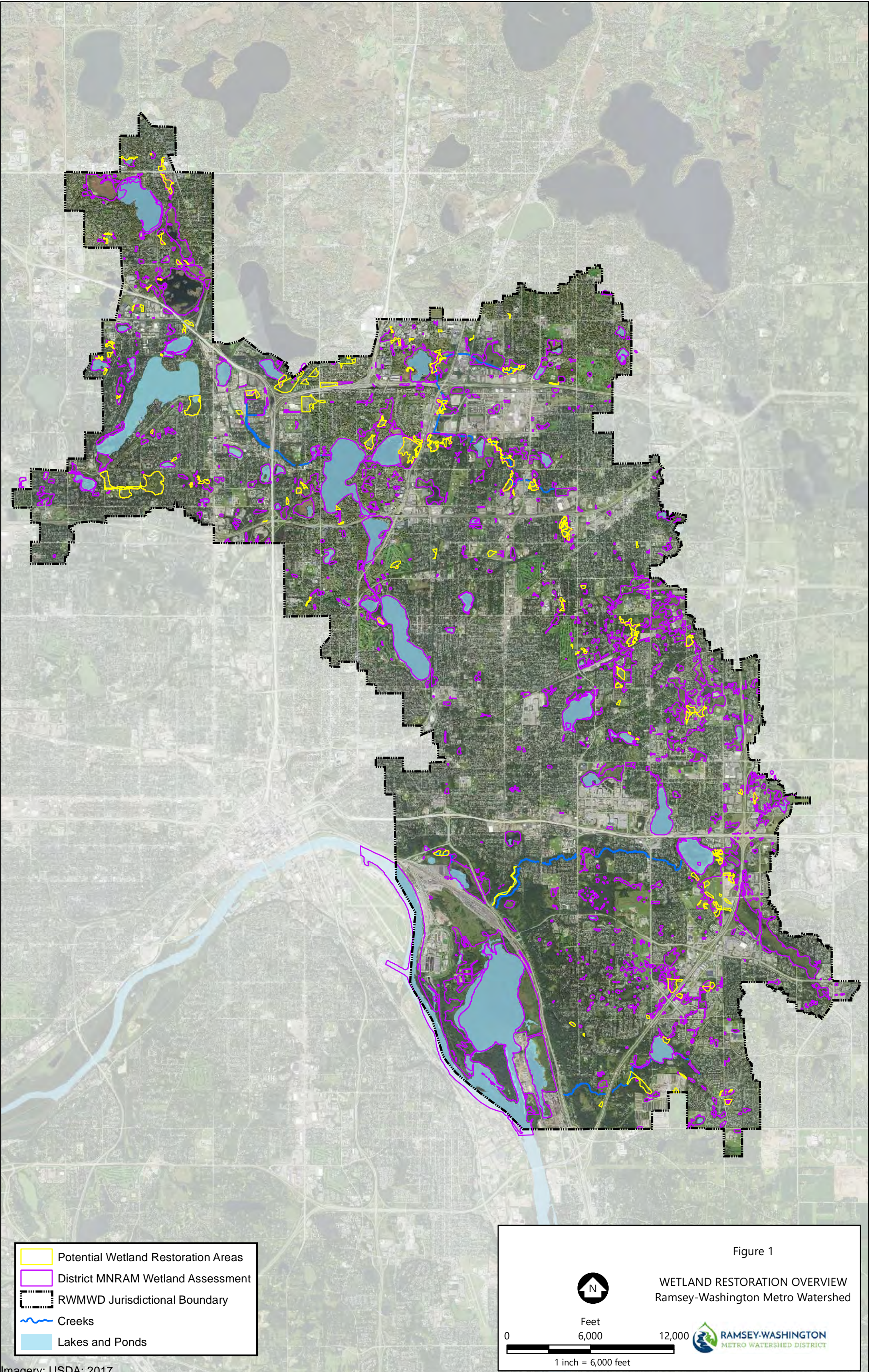
## 7.0 Recommendations

Presently, this tool is essentially providing a screening level that is not tuned to the details of each individual site and its unique opportunities and challenges. As specific restoration site details are discovered, we can add prioritization information to provide more detail the characterization of any individual site. Also, this tool is still in draft form- additional wetland restoration areas could be identified according to other criteria not included in the prioritization tool to date. Continued discussion with District staff and Managers can help us identify and prioritize these opportunities.

Since conducting the initial wetland restoration site search in 2019, Barr has worked with the District to create a project-prioritization tool based more specifically on District goals for water quality, flood protection, and other proposed District projects, as identified in the Watershed Management Plan. The wetland restoration sites could be further prioritized in this manner to clarify specific District goals for each site. Additional work is needed to redefine and reorganize the data in this tool. Doing this would help maintain the data and provide a more organized method for continuous updates and prioritization of wetland restoration opportunities within the District as more information is gathered and land-use changes occur.

This prioritization tool can guide project proponents toward opportunities in line with District wetland replacement siting priorities and help meet District watershed goals.





- Potential Wetland Restoration Areas
- District MNRAM Wetland Assessment
- RWMWD Jurisdictional Boundary
- Creeks
- Lakes and Ponds

Figure 1

WETLAND RESTORATION OVERVIEW  
Ramsey-Washington Metro Watershed



Feet

0 6,000 12,000

1 inch = 6,000 feet





Barr Footer: ArcGIS 10.7.1, 2019-09-25 14:16 File: \\Client\\Ramsey-Washington Metro WD\\Work Orders\\2019 Wetland Restoration Site Search\\Maps\\Reports\\Packet Submittal\_Sep125\\Figure 2 - Restoration Areas - Percent Credit.mxd User: JRV

Potential Wetland Restoration Areas

Percent Credit

50%

100%

RWMWD Jurisdictional Boundary

RWMWD Sub-Watersheds

Creeks

Lakes and Ponds

Figure 2

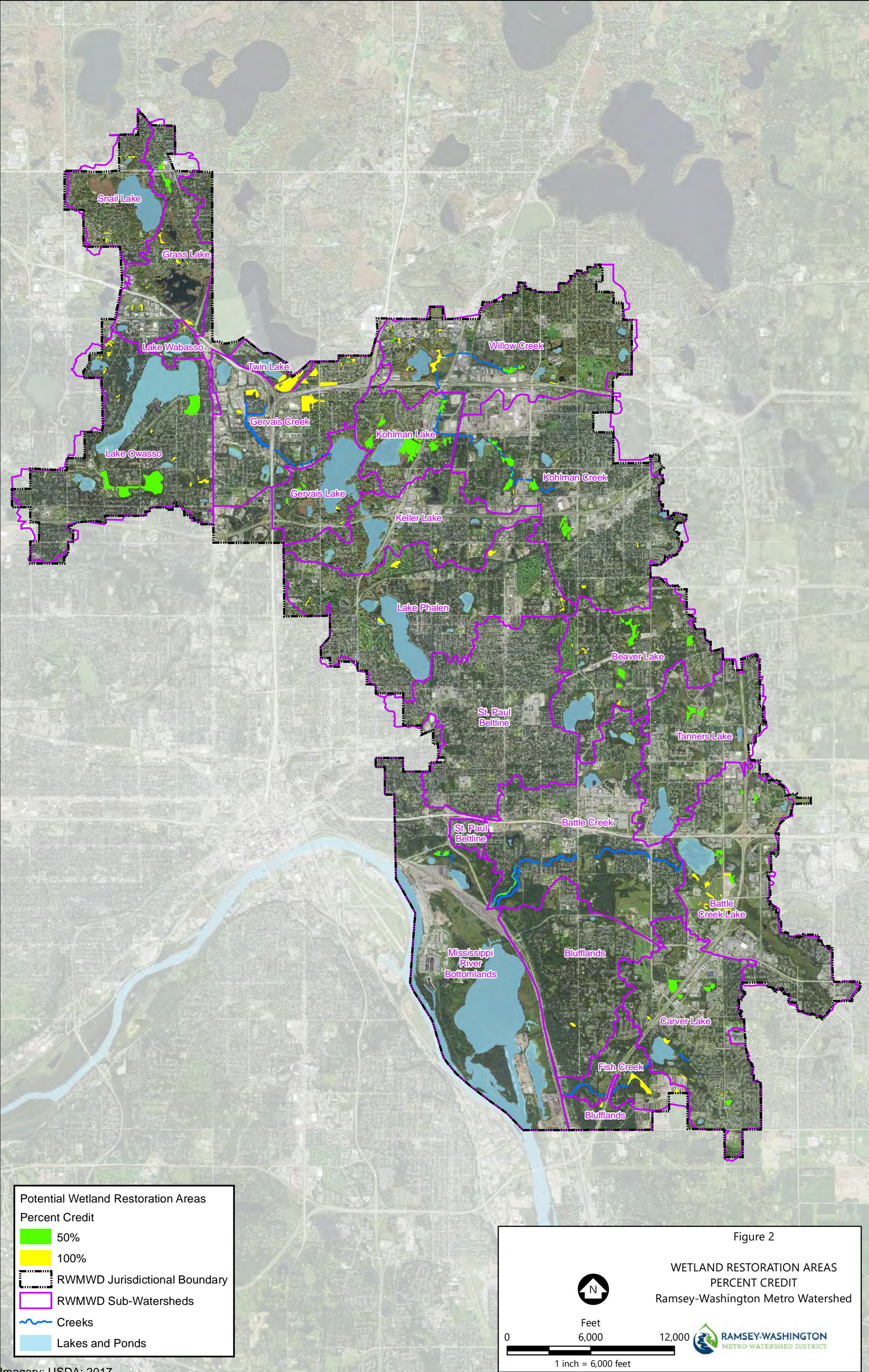
WETLAND RESTORATION AREAS  
PERCENT CREDIT  
Ramsey-Washington Metro Watershed

N

Feet  
06,00012,000

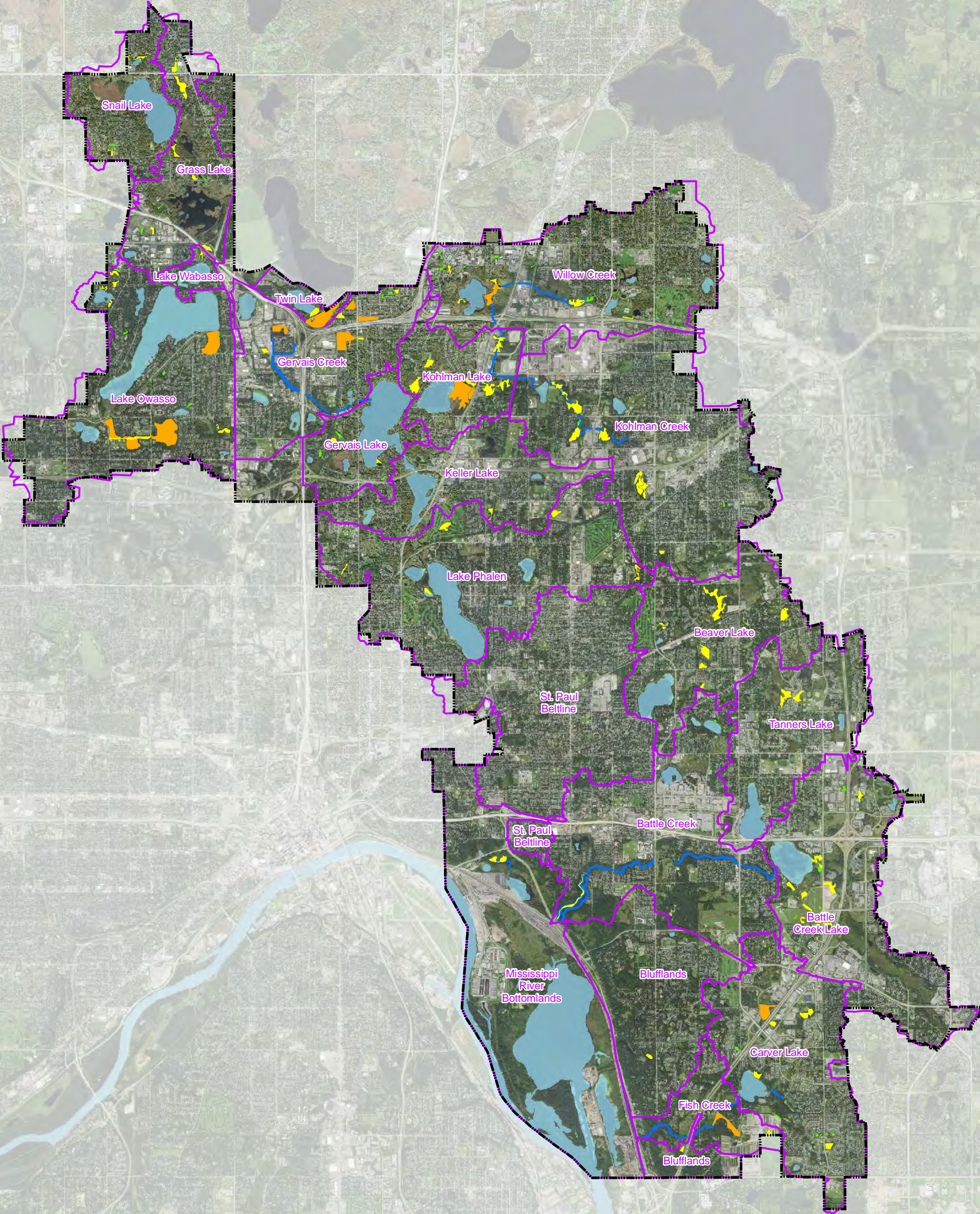
1 inch = 6,000 feet

RAMSEY-WASHINGTON  
METRO WATERSHED DISTRICT





Barr Footer: ArcGIS 107.1, 2019-09-30 11:19 File: \\Client\\Ramsey\_Washington\_Metro\_WD\\Work\_Orders\\2019\_Wetland\_Restoration\_Site\_Search\\Maps\\Reports\\Packet\_Submittal\_Sept25\\Figure 3 - Restoration Areas - Credit Rating.mxd User: JRV



Potential Wetland Restoration Areas

Credit Rating

	0.1 - Low
	0.5 - Medium
	1 - High

RWMWD Jurisdictional Boundary

RWMWD Sub-Watersheds

Creeks

Lakes and Ponds

Figure 3

WETLAND RESTORATION AREAS  
CREDIT RATING  
Ramsey-Washington Metro Watershed

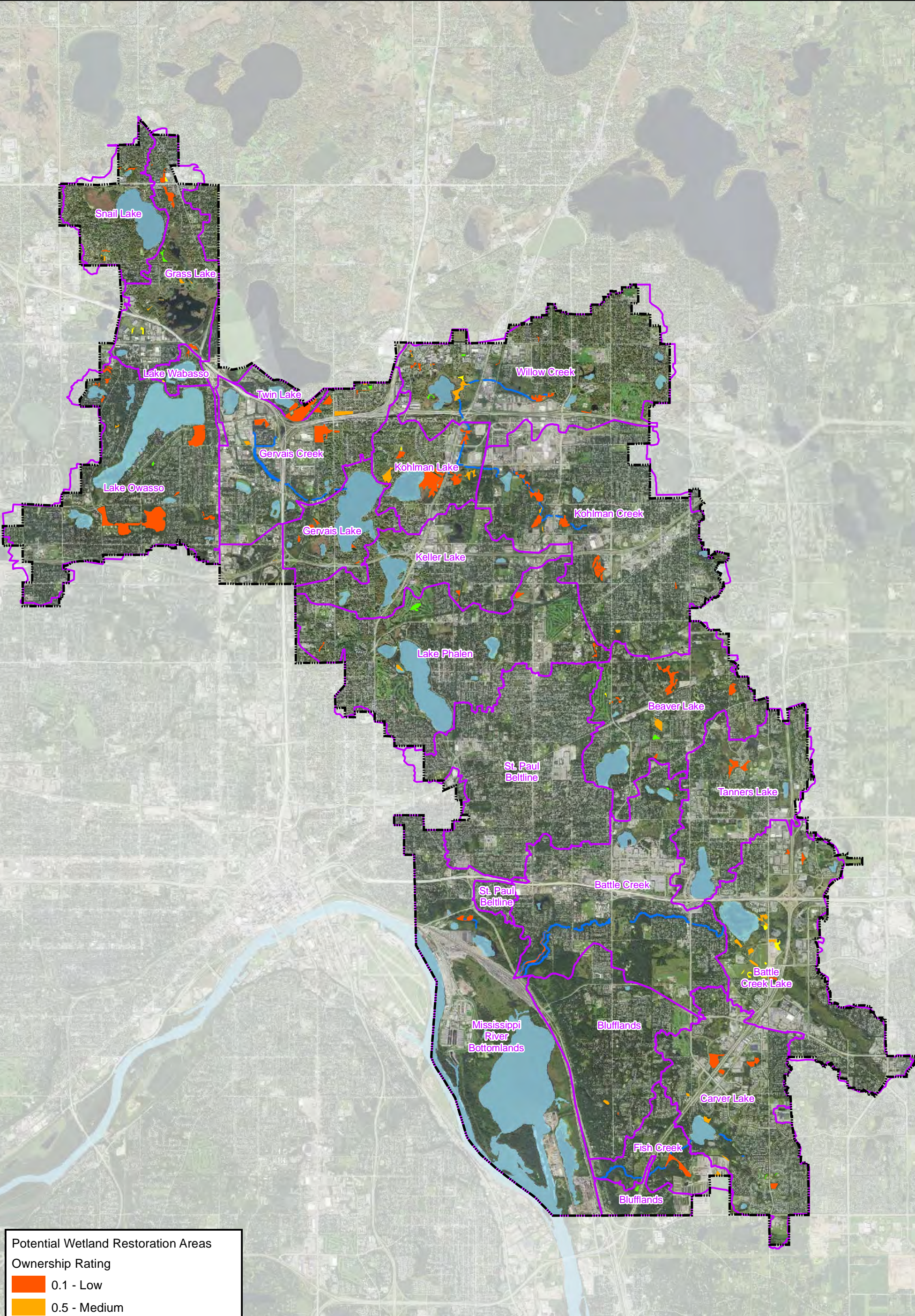
Feet

0 6,000 12,000

1 inch = 6,000 feet



Barr Footer: ArcGIS 10.7.1, 2019-09-30 11:20 File: \\Client\\Ramsey\_Washington\_Metro\_WD\\Work\_Orders\\2019\_Wetland\_Restoration\_Site\_Search\\Maps\\Reports\\Packet\_Submittal\_Sept25\\Figure 4 - Restoration Areas - Land Ownership Rating.mxd User: JRV



Potential Wetland Restoration Areas

Ownership Rating

- 0.1 - Low
- 0.5 - Medium
- 1 - High
- 2 - Exceptional

RWMWD Jurisdictional Boundary

RWMWD Sub-Watersheds

Creeks

Lakes and Ponds

Figure 4

WETLAND RESTORATION AREAS  
OWNERSHIP RATING  
Ramsey-Washington Metro Watershed

Feet

0 6,000 12,000

1 inch = 6,000 feet

RAMSEY-WASHINGTON  
METRO WATERSHED DISTRICT



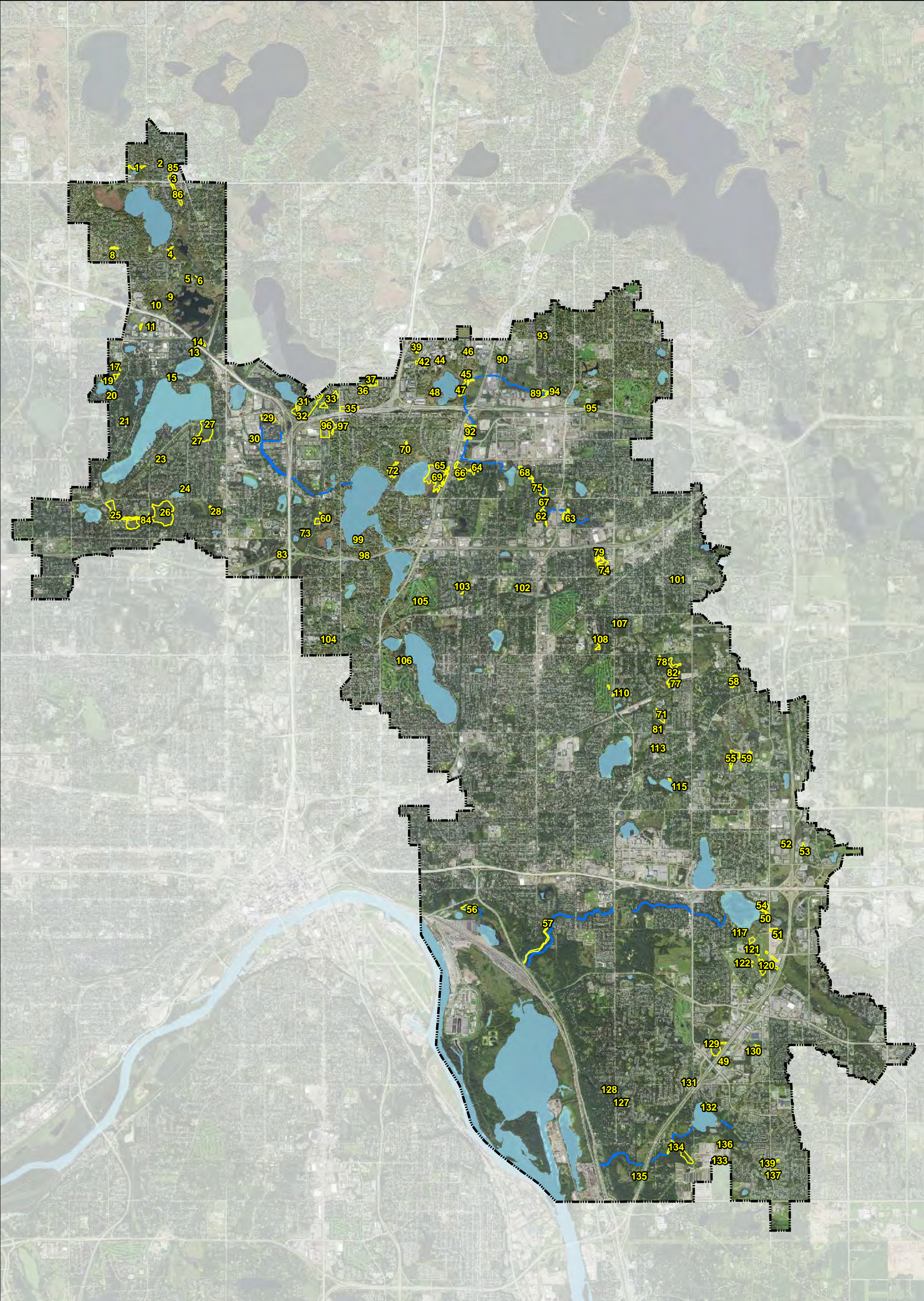


Figure 5

WETLAND RESTORATION AREAS WITH  
UNIQUE IDENTIFICATION LABELS  
Ramsey-Washington Metro Watershed



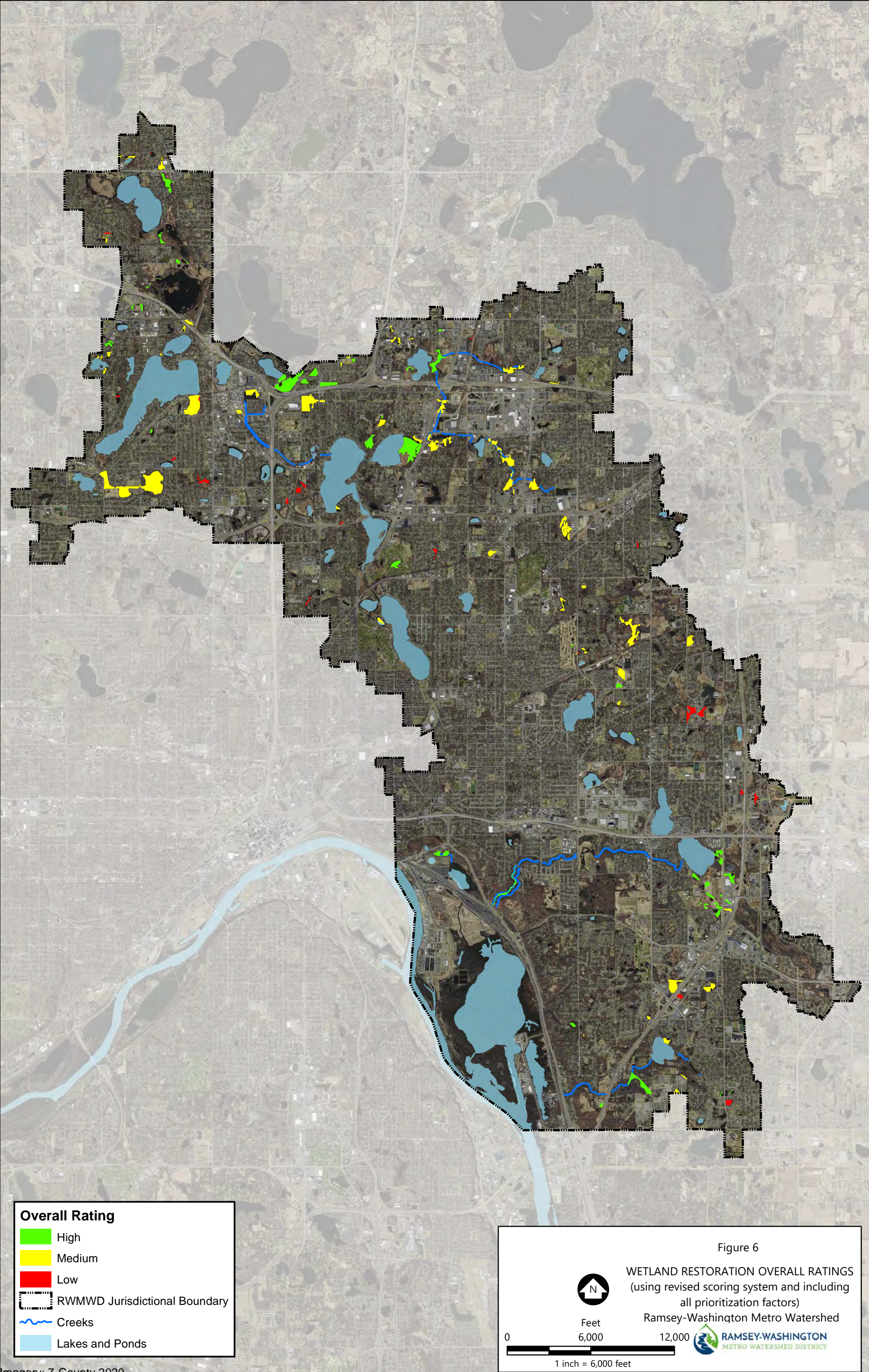
Feet

0 6,000 12,000

1 inch = 6,000 feet







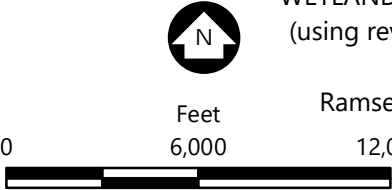
**Overall Rating**

- High
- Medium
- Low
- RWMWD Jurisdictional Boundary
- Creeks
- Lakes and Ponds

Figure 6

WETLAND RESTORATION OVERALL RATINGS  
(using revised scoring system and including  
all prioritization factors)

Ramsey-Washington Metro Watershed





Barr Footer: ArcGIS 10.7.1, 2019-10-02 15:27 File: \\Client\Ramsey-Washington Metro\_WD\Work Orders\2019 Wetland Restoration\_Site Search\Maps\Reports\Packet\_Submittal\_Sept25\Figure 5 - Wetland Restoration Map Overview - Unique ID's.mxd User: JRV

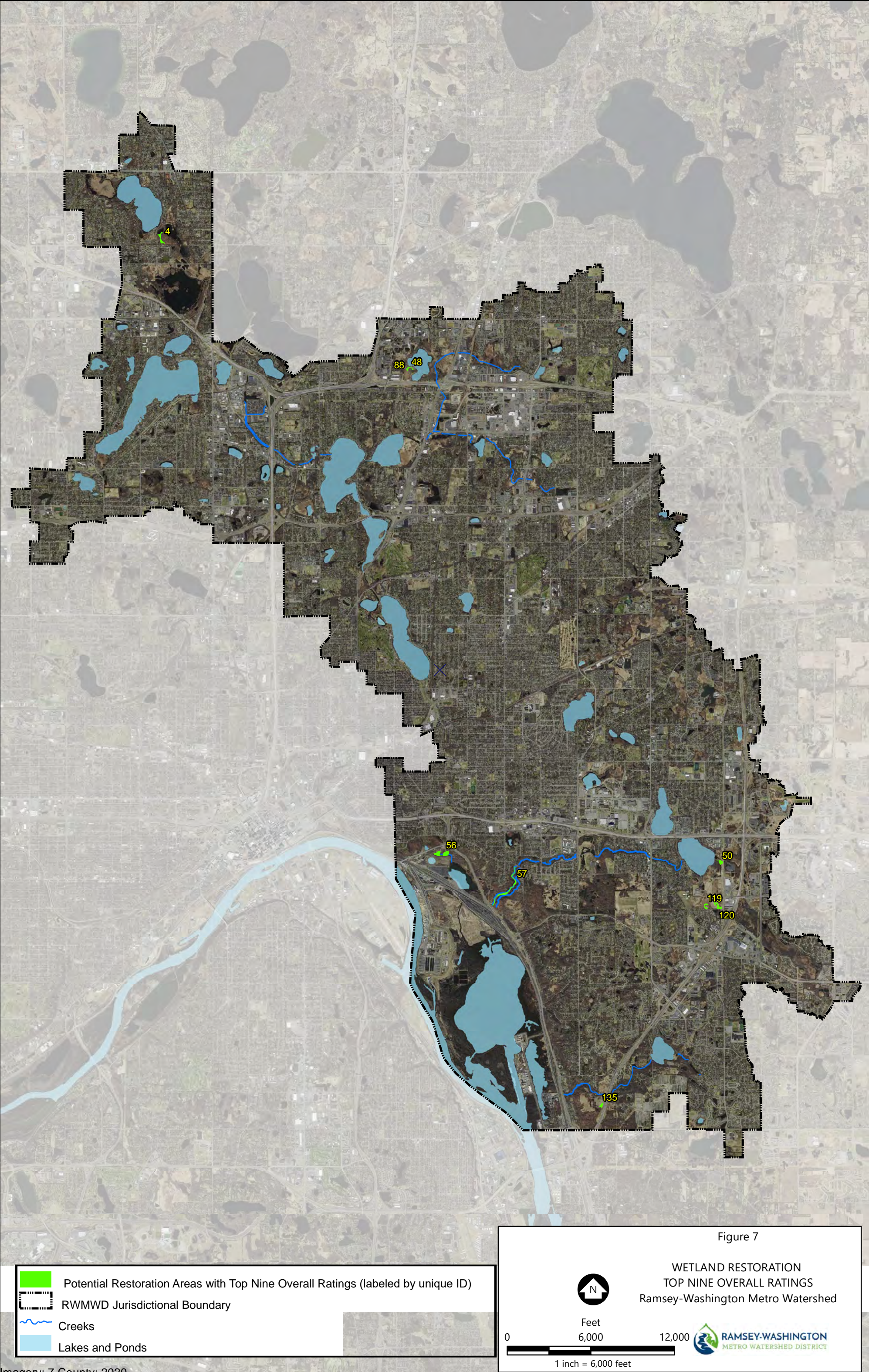




Table 1  
Potential Wetland Restoration Areas

Unique ID	Overall Score	Overall Rating	Percent Credit Rating	Landownership Rating	Size Rating	Total Additional Feature/Benefit Points	Credit Potential (combined size and % credit)	Area (Acres)	Percent Credit	Proximity Existing Features	Community Amenities	Degradation Condition
1	7	Medium	2	1	2	2	2	2.35	100	2		
2	6	Low	2	1	1	2	1	0.18	100	2		
3	9	Medium	2	3	1	3	1	0.95	100	2		
4	15	High	2	4	2	7	2	2.57	100	4		
5	11	High	2	2	2	5	2	1.53	100	3		
6	10	High	2	2	1	5	1	0.40	100	3		
7	6	Low	2	1	1	2	1	0.98	100	2		
8	8	Medium	2	2	2	2	2	1.04	100	2		
9	12	High	2	2	1	7	1	0.24	100	5		
10	10	High	2	2	1	5	1	0.54	100	4		
11	11	High	2	3	2	4	2	1.56	100	3		
12	10	High	2	3	1	4	1	0.78	100	3		
13	7	Medium	2	1	2	2	2	1.23	100	2		
14	9	Medium	2	1	2	4	2	2.47	100	3		
15	8	Medium	2	3	1	2	1	0.39	100	2		
16	10	High	2	1	1	6	1	0.90	100	1	1	1
17	12	High	2	1	2	7	2	2.24	100	2	1	1
18	8	Medium	2	1	2	3	2	1.74	100	2		
19	8	Medium	2	1	2	3	2	1.07	100	2		
20	8	Medium	2	1	2	3	2	1.23	100	2		
21	6	Low	2	2	1	1	1	0.71	100			
22	6	Low	2	1	1	2	1	0.65	100	1		
23	10	High	2	4	1	3	1	0.80	100	1		
24	6	Low	2	1	1	2	1	0.94	100	1		
25	7	Medium	1	1	3	2	3	28.26	50	1		
26	8	Medium	1	1	3	3	3	40.70	50	2		
27	7	Medium	1	1	3	2	3	25.03	50	1		
28	6	Low	2	1	2	1	2	3.67	100			
29	8	Medium	2	1	3	2	3	7.01	100	1		
30	9	Medium	2	2	2	3	2	1.93	100	2		
31	10	High	2	1	2	5	2	3.86	100	3		
32	10	High	2	1	3	4	3	26.88	100	3		
33	11	High	2	1	3	5	3	5.07	100	3		
34	10	High	2	1	2	5	2	2.54	100	3		
35	10	High	2	2	3	3	3	7.39	100	2		
36	7	Medium	2	1	1	3	1	0.43	100	2		
37	8	Medium	2	2	1	3	1	0.62	100	2		
38	12	High	2	4	2	4	2	1.07	100	2		
39	7	Medium	2	1	1	3	1	0.36	100	2		
40	8	Medium	1	2	1	4	1	0.41	50	2		



Table 1  
Potential Wetland Restoration Areas

Unique ID	Overall Score	Overall Rating	Percent Credit Rating	Landownership Rating	Size Rating	Total Additional Feature/Benefit Points	Credit Potential (combined size and % credit)	Area (Acres)	Percent Credit	Proximity Existing Features	Community Amenities	Degradation Condition
41	8	Medium	1	1	2	4	1	1.20	50	2		
42	8	Medium	2	1	2	3	2	1.34	100	2		
43	8	Medium	2	2	1	3	1	0.24	100	2		
44	7	Medium	2	1	1	3	1	0.37	100	2		
45	11	High	2	3	2	4	2	1.27	100	2		
46	11	High	2	4	1	4	1	0.71	100	2		
47	11	High	1	2	3	5	2	9.28	50	3		
48	14	High	1	4	2	7	1	1.02	50	4		
49	6	Low	1	1	2	2	2	2.15	50	1		
50	13	High	1	3	2	7	1	1.64	50	4		
51	10	High	1	3	2	4	2	3.67	50	2		
52	6	Low	1	1	2	2	1	1.39	50	1		
53	5	Low	1	1	2	1	2	2.80	50			
54	12	High	1	2	2	7	2	4.60	50	4		
55	6	Low	1	1	3	1	2	8.00	50	1		
56	13	High	1	1	3	8	2	5.45	50	7		
57	13	High	1	1	3	8	2	6.28	50	6		
58	7	Medium	1	1	3	2	2	6.34	50	1		
59	5	Low	1	1	2	1	2	4.34	50	1		
60	6	Low	1	1	2	2	1	1.47	50	1		
61	6	Low	1	1	2	2	2	2.68	50	1		
62	9	Medium	1	1	3	4	2	6.88	50	2		
63	7	Medium	1	1	2	3	2	3.86	50	2		
64	8	Medium	1	2	2	3	2	4.47	50	1		
65	9	Medium	1	1	2	5	2	2.70	50	3		
66	9	Medium	1	1	3	4	2	9.39	50	2		
67	8	Medium	1	2	1	4	1	0.99	50	2		
68	7	Medium	1	1	2	3	2	4.77	50	1		
69	11	High	1	1	3	6	3	33.29	50	3		1
70	9	Medium	1	1	2	5	2	4.11	50	3		
71	8	Medium	1	2	3	2	2	6.65	50	1		
72	10	High	1	2	3	4	2	8.55	50	3		
73	5	Low	1	1	2	1	1	1.41	50	1		
74	7	Medium	1	1	2	3	2	4.78	50	1		
75	8	Medium	1	1	3	3	2	8.95	50	1		
76	10	High	1	3	1	5	1	0.46	50	3		
77	6	Low	1	2	1	2	1	0.14	50	1		
78	8	Medium	1	1	3	3	2	8.40	50	2		
79	8	Medium	1	1	3	3	2	8.97	50	1		
80	8	Medium	1	1	2	4	2	3.33	50	2		

Table 1  
Potential Wetland Restoration Areas

Unique ID	Overall Score	Overall Rating	Percent Credit Rating	Landownership Rating	Size Rating	Total Additional Feature/Benefit Points	Credit Potential (combined size and % credit)	Area (Acres)	Percent Credit	Proximity Existing Features	Community Amenities	Degradation Condition
81	10	High	1	4	2	3	2	2.30	50	1		
82	8	Medium	1	1	3	3	2	9.45	50	2		
83	7	Medium	2	2	1	2	1	0.15	100	1		
84	7	Medium	1	1	3	2	2	5.90	50	1		
85	7	Medium	1	1	2	3	2	3.54	50	2		
86	10	High	1	1	3	5	2	8.31	50	3		
87	7	Medium	2	1	1	3	1	0.54	100	2		
88	15	High	2	4	2	7	2	1.02	100	4		
89	9	Medium	1	1	3	4	2	6.08	50	2		
90	5	Low	1	1	1	2	1	0.43	50	1		
91	12	High	2	2	3	5	3	9.28	100	3		
92	8	Medium	1	1	3	3	2	6.58	50	1		
93	7	Medium	2	1	1	3	1	0.58	100	2		
94	8	Medium	1	1	2	4	1	1.93	50	2		
95	7	Medium	2	1	2	2	2	1.24	100	1		
96	9	Medium	2	1	3	3	3	20.75	100	2		
97	7	Medium	2	1	2	2	2	1.07	100	1		
98	4	Low	2	1	1	0	1	0.63	100			
99	7	Medium	2	1	2	2	2	1.06	100	1		
100	8	Medium	2	2	1	3	1	0.48	100	2		
101	6	Low	2	1	1	2	1	0.92	100	1		
102	7	Medium	2	1	2	2	2	3.52	100	1		
103	6	Low	2	1	2	1	2	1.70	100	1		
104	6	Low	2	1	2	1	2	1.30	100	1		
105	11	High	2	4	2	3	2	4.78	100	1		
106	9	Medium	2	2	2	3	2	2.12	100	2		
107	8	Medium	2	2	2	2	2	1.32	100	1		
108	7	Medium	2	1	2	2	2	3.05	100	1		
109	11	High	2	3	1	5	1	0.54	100	2		
110	7	Medium	2	1	2	2	2	1.34	100	1		
111	9	Medium	2	2	1	4	1	0.21	100	1		
112	5	Low	2	1	1	1	1	0.26	100			
113	7	Medium	2	1	2	2	2	1.19	100	1		
114	11	High	2	4	1	4	1	0.41	100	2		
115	7	Medium	2	1	1	3	1	0.27	100	2		
116	10	High	2	2	2	4	2	1.73	100	2		
117	12	High	2	2	2	6	2	2.66	100	3		
118	11	High	2	2	2	5	2	2.45	100	3		
119	13	High	2	3	2	6	2	1.50	100	3		
120	13	High	2	3	2	6	2	2.61	100	3		

Table 1  
Potential Wetland Restoration Areas

Unique ID	Overall Score	Overall Rating	Percent Credit Rating	Landownership Rating	Size Rating	Total Additional Feature/Benefit Points	Credit Potential (combined size and % credit)	Area (Acres)	Percent Credit	Proximity Existing Features	Community Amenities	Degradation Condition
121	11	High	2	2	2	5	2	2.35	100	3		
122	12	High	2	3	1	6	1	0.41	100	3		
123	10	High	2	1	2	5	2	2.84	100	3		
124	9	Medium	2	1	2	4	2	1.75	100	2		
125	11	High	2	3	2	4	2	1.49	100	2		
126	11	High	2	3	1	5	1	0.43	100	3		
127	8	Medium	2	1	1	4	1	0.24	100	3		
128	11	High	2	2	2	5	2	1.74	100	4		
129	7	Medium	1	1	3	2	3	12.25	50	1		
130	7	Medium	1	1	3	2	2	5.82	50	1		
131	7	Medium	2	2	1	2	1	0.83	100	1		
132	8	Medium	2	2	2	2	2	3.00	100	1		
133	8	Medium	2	2	2	2	2	1.75	100	1		
134	11	High	2	1	3	5	3	12.76	100	3		
135	13	High	2	4	2	5	2	1.27	100	2		
136	7	Medium	2	2	1	2	1	0.94	100	1		
137	6	Low	1	1	2	2	2	3.32	50	1		
138	10	High	2	4	1	3	1	0.23	100	1		
139	10	High	2	4	1	3	1	0.42	100	1		

Table 1  
Potential Wetland Restoration Areas

Unique ID	Habitat Restoration	Willing Partnerships	Connection Opportunities	Potential Flood Storage	Water Quality Benefit Potential	Adjacent Habitat Connectivity	Projected Landuse Redevelopment	Resource Connectivity	Equity Initiative Areas	High Priority Restoration Area	Ease of Restoration	Restoration without Flooding Neighbors or Existing Infrastructure
1												
2												
3			1									
4		1	1			1						
5			1			1						
6			1			1						
7												
8												
9				1		1						
10						1						
11			1									
12			1									
13												
14						1						
15												
16	1	1			1							
17	1	1			1							
18					1							
19					1							
20					1							
21					1							
22					1							
23		1			1							
24					1							
25					1							
26					1							
27					1							
28					1							
29					1							
30					1							
31				1		1						
32						1						
33					1	1						
34					1	1						
35					1							
36					1							
37					1							
38		1			1							
39					1							
40			1		1							

Table 1  
Potential Wetland Restoration Areas

Unique ID	Habitat Restoration	Willing Partnerships	Connection Opportunities	Potential Flood Storage	Water Quality Benefit Potential	Adjacent Habitat Connectivity	Projected Landuse Redevelopment	Resource Connectivity	Equity Initiative Areas	High Priority Restoration Area	Ease of Restoration	Restoration without Flooding Neighbors or Existing Infrastructure
41			1		1							
42					1							
43					1							
44					1							
45			1		1							
46		1			1							
47			1		1							
48		1	1		1							
49					1							
50			1		1	1						
51					1	1						
52					1							
53					1							
54			1		1	1						
55												
56						1						
57					1	1						
58					1							
59												
60			1									
61			1									
62			1		1							
63					1							
64			1		1							
65			1		1							
66			1		1							
67			1		1							
68			1		1							
69			1		1							
70			1		1							
71					1							
72					1							
73												
74			1		1							
75			1		1							
76			1		1							
77					1							
78					1							
79			1		1							
80			1		1							

Table 1  
Potential Wetland Restoration Areas

Unique ID	Habitat Restoration	Willing Partnerships	Connection Opportunities	Potential Flood Storage	Water Quality Benefit Potential	Adjacent Habitat Connectivity	Projected Landuse Redevelopment	Resource Connectivity	Equity Initiative Areas	High Priority Restoration Area	Ease of Restoration	Restoration without Flooding Neighbors or Existing Infrastructure
81		1			1							
82					1							
83					1							
84					1							
85			1									
86			1			1						
87					1							
88		1	1		1							
89			1		1							
90					1							
91			1		1							
92			1		1							
93					1							
94			1		1							
95					1							
96					1							
97					1							
98												
99					1							
100					1							
101					1							
102					1							
103												
104												
105		1	1									
106			1									
107					1							
108					1							
109					1		1	1				
110					1							
111					1		1	1				
112					1							
113					1							
114		1			1							
115					1							
116					1	1						
117			1		1	1						
118					1	1						
119			1		1	1						
120			1		1	1						

Table 1  
Potential Wetland Restoration Areas

Unique ID	Habitat Restoration	Willing Partnerships	Connection Opportunities	Potential Flood Storage	Water Quality Benefit Potential	Adjacent Habitat Connectivity	Projected Landuse Redevelopment	Resource Connectivity	Equity Initiative Areas	High Priority Restoration Area	Ease of Restoration	Restoration without Flooding Neighbors or Existing Infrastructure
121					1	1						
122			1		1	1						
123					1	1						
124					1	1						
125					1	1						
126					1	1						
127						1						
128						1						
129					1							
130					1							
131					1							
132					1							
133					1							
134					1	1						
135		1			1	1						
136					1							
137					1							
138		1			1							
139		1			1							



## Memorandum

**To:** Board of Managers and Staff  
**From:** Tina Carstens and Brad Lindaman  
**Subject:** Project and Program Status Report – January 2022  
**Date:** December 29, 2021

### Project feasibility studies

#### **Interim emergency response planning for district areas at risk of flooding (Barr project manager: Gareth Becker; RWMWD project manager: Tina Carstens)**

*The purpose of this project is to provide information and guidance to cities throughout the district about how to protect low-lying habitable structures from flooding during the 100-year storm event. These emergency response plans address areas for which there is 1) not currently a feasible project that has been identified to protect structures or 2) a project that cannot be implemented in the near future due to logistical and/or budgeting reasons. This effort is an outcome of the Beltline resiliency study. This project will extend into 2022.*

This period, Barr staff began to create topographic maps of the roughly 50 individual sites shown to have low entry elevations below the 100-year flood elevation. Starting with the properties that are reliant on-site-scale solutions, Barr staff are creating maps that show how sandbags could be placed to protect each structure, as well as (in some cases) where a permanent berm could be constructed at the site to protect the home from flooding during the 100-year storm event.

#### **Kohlman Creek and Phalen Chain of Lakes Subwatershed (including Ames Lake area) flood damage reduction feasibility studies (Barr project manager: Erin Anderson Wenz; RWMWD project manager: Tina Carstens)**

*The purpose of these studies is to evaluate the benefit-cost relationships of infrastructure changes throughout the Kohlman Creek and Phalen Chain of Lakes subwatersheds by reviewing potential pipe alignments, land acquisition costs, utility conflicts, permitting issues, and related design as well as construction and long-term maintenance costs associated with each alternative that achieves the project objective of removing habitable structures from the 100-year floodplain in these areas. These studies are follow-up steps to the Beltline resiliency study. In 2022, these efforts will include stakeholder involvement and collaborative design.*

An update on these projects will be provided in the form of a technical memo included in the January board packet. The memo provides more information about proposed sequencing and next steps in 2022, as well as information about the current levels of protection at each of the low-lying properties.

### Research projects

#### **Kohlman permeable weir test system (Barr project manager: Keith Pilgrim; RWMWD project manager: Bill Bartodziej)**

*The objective of this current investigation is to develop one or more conceptual designs that will fit within the footprint of the existing Kohlman Basin permeable weir that will allow for ongoing testing of the system's effectiveness at removing total suspended solids and phosphorus.*

Level sensors continued to record water levels and collect data until November. Level sensors were removed prior to ice formation and will be reinstalled after ice-out in the spring of 2022. Data will be analyzed this winter to help assess performance of the permeable barrier system and guide 2022 monitoring activities. Due to the drier than normal conditions last summer, few data points were collected so it is likely additional monitoring will be needed to complete the assessment.

**Shallow lake aeration study (Barr project manager: Keith Pilgrim; RWMWD project manager: Bill Bartodziej)**

*The purpose of this study is to evaluate the potential effectiveness of aeration in shallow lakes by studying the effect of aeration in two smaller shallow systems (Markham Pond and Frog Pond) in detail during 2021 and 2022. This approach is being pursued as an alternative to whole-lake alum treatments.*

An analysis of data collected in 2021 clearly shows internal phosphorus loading in Markham Pond and Frog Pond during the summer with fluctuating and low oxygen conditions. The results indicate that these test sites are appropriate to evaluate the effectiveness of aeration to reduce internal loading in a shallow lake.

Recently, we received word that the City of Roseville is now potentially amenable to the district's use of Frog Pond (as originally intended) as a test site. Frog Pond will be considered a useful site if the City of Roseville agrees to use a bubbler-type forced air aeration method rather than the fountain that is currently installed.

As described last month, an aerator has already been installed in Markham Pond for winter operation with the goal of minimizing fish kills (due to low oxygen levels) and promoting a sunfish population that will eat carp eggs, thereby reducing the carp population in Markham Pond.

## **Project operations**

**Keller channel and Phalen outlet operations plans (Barr project manager: Brandon Barnes; RWMWD project manager: Dave Vlasin)**

*The purpose of this project is to develop an operation plan for the Keller Lake and Lake Phalen outlet structures. Operating the structures under certain conditions will help reduce upstream flood levels where homes exist in the floodplain. This is an implementation item from the Beltline resiliency study.*

The final operation plan and record drawings were delivered to RWMWD staff in December. These were the final deliverables for this project. The operating plan describes conditions in which the outlet gates should be operated, routine maintenance and frequency of maintenance activities, and logs for documenting operation and maintenance. We anticipate that the operation plan will need to be reviewed annually and updated based on information obtained following operation of the gates.

## **Capital improvements**

**North Saint Paul Target (Barr project manager: Katie Turpin-Nagel; RWMWD project manager: Paige Ahlborg)**

*The purpose of this project is to design, provide bid assistance for, and oversee construction of BMP retrofits.*

Construction began on July 12, 2021, at the North Saint Paul Target store and is now complete. The one-year plant warranty started on November 2, 2021. Recently, the contractor (Peterson Companies) submitted the IC134 documentation, closing out the project. A site walk-through will be scheduled for fall of 2022 to determine whether plantings or trees need replacement.

This period, Barr corresponded with Target and RWMWD regarding project and budget summaries for the North Saint Paul and East Saint Paul Target (discussed below) projects. Target would like to meet with Barr and RWMWD in early January to discuss lessons learned from the two most recent construction projects and discuss other future project opportunities.

**East Saint Paul Target (Barr project manager: Katie Turpin-Nagel/Leslie DellAngelo; RWMWD project manager: Paige Ahlborg)**

*The purpose of this project is to design, provide bid assistance for, and oversee construction of BMP retrofits.*

Barr completed the one-year tree warranty review at the end of October. No additional trees needed replacement. The shrub and perennial warranty period ends in the spring of 2022. A spring site walk-through will be scheduled nearer to the time of inspection.

This period, Barr finished reviewing the record drawings and submitted the record drawings to RWMWD in late November.

**Targeted retrofit projects (Barr project manager: Matt Kumka; RWMWD project manager: Paige Ahlborg)**

*The purpose of this project is to design, provide bid assistance for, and oversee construction of BMP retrofits on previously identified commercial, school, and faith-based properties throughout the district.*

Board approval of these projects has not yet been formally requested because of the nature of the process staff take in finding sites that are amenable to retrofit BMPs that are also acceptable to property owners. In finding and pursuing these BMP retrofit projects, staff typically following these steps:

- 1) Develop a list of potential projects based on Equity Initiative efforts and/or from prior subwatershed feasibility studies,
- 2) Leverage the RWMWD water quality project prioritization tool to gage the list's order of priority against other projects under consideration (if any),
- 3) Develops concept-level designs for the highest priority sites to share with property owners, and
- 4) Gauge interest and hopefully gain approval from property owner to proceed with the design.

Development of final construction documents will begin after property owners approve concepts, and after the board approves the proposed projects and their general scope and budget estimates. Property managers will be required to sign maintenance agreements with the RWMWD prior to advertising the projects for bidding.

Sites being considered for 2022 construction via the Equity Initiative and/or in prior subwatershed feasibility studies include Conway Recreation Center, St. Pascal Regional Catholic School, Mounds Park Academy, and Pleasantview Park. Barr is planning to present concepts to site owners to gage interest before prioritizing and recommending specific sites to the board and to ask for formal approval.

### **Ryan Drive and Keller Parkway conveyance (Barr project manager: Sam Redinger; RWMWD project manager: Dave Vlasin)**

*The purpose of this project is to implement improved conveyance through Gervais Creek, as recommended by the Owasso Basin bypass feasibility study. This CIP is an implementation item from the study recommended in the Beltline resiliency study.*

This period, Fitzgerald performed site grading of the Ryan Drive roadway side slopes, installed riprap around the new 14-ft wide by 5-ft tall box culvert, and excavated the upstream and downstream drainage ditch. Remaining work for the project includes site restoration, fencing, and punch list items.

Completion of this project is carrying over into 2022 and is expected to be complete and ready for final payment in the spring. Pay application 3 is included in this month's packet for board review and consideration for payment.

### **CIP project repair and maintenance**

#### **District inspection standardization (Barr project manager: Tyler Olsen; RWMWD project manager: Dave Vlasin)**

*The purpose of this project is to standardize the district's creek and facilities inspection process, evaluation, and related data collection effort. The work will include review of current methods, development of a scoring system, and implementation of mobile data collection. This project will continue into 2022.*

In December, Barr continued the refinement of the spreadsheet version of the inspection prioritization tool and conducted an internal review of the tool with staff that assist annually with CIP inspections. The tool was then reviewed in a meeting with RWMWD staff to discuss work completed to-date, methodologies, assumptions, and next steps regarding the tool development and implementation. In this status update, we are including a summary of the methodology for the category, criteria, and scoring system development as well as the proposed schedule for 2022.

At the beginning of the tool development, Barr staff participated in the district's 2021 CIP inspection over the course of 3 days with RWMWD staff to gain a better understanding of what data is collected in the inspections and the field process. Barr then reviewed the CIPs from the past three years to understand what sort of projects were selected for maintenance and what criteria triggered a need for maintenance. Finally, Barr reviewed prioritization methodologies from the district (i.e. water quality project prioritization tool) as well as other sources (other watershed districts, municipalities, and national associations) to develop a framework for the tool.

Based on this review, Barr developed categories for the prioritization tool that encompass the different types of infrastructure that RWMWD owns and/or maintains. These categories can range from pipes and culverts, to infiltration basins, to engineered filtration systems. For each category, Barr then developed criteria used to assess the infrastructure being inspected. Each criteria includes a range of quality assessment descriptors to accurately rate the condition of the infrastructure and document any notable defects most accurately. Redundancy was built into each category to allow for field staff to add additional infrastructure that they notice (i.e. a pipe outfall to a creek) that may not be owned by the

district or may not fit in one of the pre-defined categories. This was done so that miscellaneous maintenance needs are tracked, and so the responsible parties are notified. For criteria in the tool, a scoring system was then developed to assign weight to the observations/measurements made in the field. These scores combine the quality assessment of infrastructure, the immediacy of repair needed, as well as a risk assessment to provide an overall score for a system or site. These scores can then be used in the annual planning process to develop the CIP list for the following year. The scoring system also allows for transparency and consistency when assessing infrastructure.

Looking ahead to 2022, the current form of the tool (spreadsheet) will be reviewed further by district staff. Barr will work to incorporate district staff comments into the tool. Following this review stage, the tool will then be converted into a GIS application to be used in the field when conducting the annual CIP inspections. Barr GIS staff will work with district staff to create an application that will be efficient and useful. A more in-depth update as well as a preview of the GIS application will be presented to the RWMWD board at its March 2022 meeting. Finally, in the spring of 2022 Barr staff and RWMWD staff will conduct trial uses of the application in the field to prepare for the fall 2022 CIP inspections.

**CIP maintenance/repairs 2021 project (Barr project manager: Greg Nelson; RWMWD project manager: Dave Vlasin)**

*The purpose of this project is to maintain existing systems and infrastructure owned and operated by the RWMWD and to assist and facilitate stormwater pond cleanouts to allow other public entities to meet their MS4 requirements.*

The remaining work has been completed and final payment documents are being prepared for approval at the January meeting.

**CIP maintenance/repairs 2022 project (Barr project manager: Greg Nelson; RWMWD project manager: Dave Vlasin)**

*The purpose of this project is to maintain existing systems and infrastructure owned and operated by the RWMWD and to assist and facilitate stormwater pond cleanouts to allow other public entities to meet their MS4 requirements.*

The project was awarded to Fitzgerald Excavating & Trucking at the December meeting. Barr staff is working with the contractor on the required submittals including the agreement, bonds, and insurance certificate. We anticipate receiving these documents soon.



## **Natural Resources Update – Bill Bartodziej and Simba Blood**

### **Project Updates for the New Website**

One of our winter projects this year is updating project pages for the new website. We will be focusing on our larger ecological restoration projects and carp management in both the Owasso and the Phalen Chain of Lakes. Below is a list of project sites and an example (draft) summary page for Wetland A.

#### ***Project List:***

- Lake Owasso Shoreland Restoration
- Wetland A
- Goodrich Golf Course – no play area restoration
- Keller Golf Course
- Lake Phalen
- Keller Creek
- Keller Lake Island
- Casey Lake
- Gervais Mill Pond
- Carp Management – Owasso and Phalen Chain of Lakes

#### ***Example write-up:***

**Wetland-A Ecological Restoration: Partnerships are working to transform this formerly buckthorn-choked wetland and oak woodland park**

#### **PROJECT DETAILS**

City: Shoreview  
Subwatershed: Grass Lake  
Initial Restoration: 2018-2021  
Funding Sources: DNR Conservation Partners Legacy Grant, District Funds, Ramsey County  
Partners: Ramsey County Parks and Recreation, Ramsey County Corrections Nursery, Ramsey County Master Gardeners, Master Water Stewards, RWMWD Citizen Advisory Committee and Leap Team, Wild Ones-BRBW chapter, many student volunteers elementary through college age, 3M staff and neighborhood volunteers.

#### **OVERVIEW**

This wetland is located in the southeast of Vadnais-Snail Lake Regional Park in Shoreview. The natural area is in one of the largest parks that includes woodland, open water, and wetland ecosystems in our District. The parkland has been experiencing habitat degradation due to flooding, erosion, lack of natural fire, and invasive plant species infestation for decades. Knowing its potential, we secured grant funding

and began working with Ramsey County Parks to restore a 60-acre parcel of the wetland and surrounding uplands.

This closed basin is subject to large variations in water level; not typical for wetlands in our area. Our aim was to create a more resilient wetland buffer, one capable of responding to fluctuating water levels, by reintroducing a diversity of native plants that thrive in these challenging conditions. These plants also provide habitat for wildlife and visual interest throughout the seasons.

The process of removing buckthorn and other weedy plants began on the northeastern side of the wetland in 2018. Once this material was removed, District staff along with community and school groups seeded and planted thousands of native flowers and grasses. These plant communities are now well established and flourishing.

A private contractor and District staff removed buckthorn on the western and southern sides of the wetland to “daylight” the existing (or remnant) native woodland groundcover habitat. With the help of Master Water Stewards, our Citizen Advisory Committee, volunteers from 3M, and local residents we installed additional aquatic emergent, wet meadow and upland plant species to increase biodiversity and protect the shoreline.

This park is a popular spot for wildlife photography and restorative nature walks. To enhance public awareness and enjoyment of the restoration, we have installed plant identification signs with QR code links to an on-line iNaturalist guide. To help expand the benefits of this restoration, the guide includes information on how these plants might be used in home landscapes.

Our initial restoration work was completed at the end of 2021 but our natural resources team will maintain this restoration for years to come. We will also be reaching out to the community to help out with the maintenance tasks (see the link below for further information). This is an exceptional biological gem in our watershed. In the coming years, you will continue to witness a vibrant native plant community supporting many pollinators and other wildlife.

#### **MORE INFORMATION**

Snail Lake Regional Park Wetland Buffer Gets a Makeover  
Legacy Grant to Help Restore Snail Lake Parkland

**(The website page will also include a number of pre and post project photos)**

## Public Involvement and Education Program – Sage Passi

### Stratifying Seeds for Spring – Schools Start in Early Winter!



In December, we were excited to resume our seed-starting lessons in classrooms at three schools. Earlier in the fall, we had gathered a variety of seeds from native plants grown around our watershed and then over several weeks we brought them into seven classrooms at L'Etoile du Nord and Hazel Park Academy in St. Paul and Weaver Elementary in Maplewood. We provided a lesson on how seeds are internally preparing to germinate over the winter, illustrated how the plant hormones, gibberellins and abscisic acid assist the seeds in protecting them from germinating too soon and precipitating germination when conditions are favorable. We also discussed the role of native plants in our ecosystems. We used a puppet show to emphasize the value of native plants' long roots and their role in protecting water downstream. Five Ramsey County Master Gardeners were recruited to assist us with these hands-on lessons. We will be carrying out this lesson with three more classrooms at Battle Creek Elementary School in early January and then will be returning to all these classes in mid to late February and early March to grow native seedlings under lights to plant around our watershed.

## Education Collaboration with RCWD and VLAWMO



Beth Carreno (Rice Creek Watershed District), Nick Voss (Vadnais Lake Area Management Organization) and Sage Passi (RWMWD) met online in mid-December to discuss collaborating as a team to plan, sponsor and implement a variety of educational trainings in 2022.

Included in the discussion was co-sponsoring a Fortin produced Turf Maintenance workshop in April 2022. We also decided to co-sponsor one to two Smart Salting parking lots and sidewalks trainings in October and November 2022 through the MPCA. We also discussed the possibility of co-sponsoring one Smart Salting Property Management workshop in the fall of 2022 pending budgets and capacity to recruit participation.

We also talked about collaborating to develop a training for residents to implement smart salting to protect water quality and reduce the spring maintenance and dollars required to have lawns bounce back each year. This training would most likely be virtual. We would like to invite Minnesota Water Stewards to be a part of our design/consult team on this residents' training. Included in this discussion was a sharing of ideas about how to engage schools and classes in this type of education.

Blue Thumb workshops were another topic for collaboration. We decided to co-sponsor 2 Resilient Yard workshops (1 in February and 1 in late April or early May) and co-host 1 Bee Lawn workshop in March or April. We may also consider sponsoring several other workshops later in the summer/fall.

Blue Thumb partners have been involved in the planning of a shoreline restoration workshop for an outstate partners and potential other audiences. Rice Creek Watershed District is helping fund/facilitate this training. As Blue Thumb partners we are welcome to help promote access to this workshop for our Lakeshore Associations and residents at no-cost.

The other part of our collaborative discussion included brainstorming about a series of rain garden maintenance workshops. We would like to hold these classes in person. We are still deciding on the format but are considering different options including an open house format, drop-ins and more formal workshops. Topics through the seasons include 1) Prep your raingarden for the growing season; 2) Plants and weeding; 3) Mid-summer check-in and 4) Late season maintenance. We will be meeting in early to mid-January to do further planning for this series. At this time, we will also be discussing outreach with our MS4 cities and educational opportunities and resources we can share with them.



**To:** Board of Managers and Staff  
**From:** Tina Carstens and Brad Lindaman  
**Subject:** Project and Program Status Report January 2022  
**Date:** December 29, 2021

Page 10

## **MN DNR Announces Winners for the No Child Left Inside Grants – We Won One!**

On December 17, we received news that RWMWD was selected for funding in Phase 3 of the Minnesota Department of Natural Resources No Child Left Inside Grant Program. The MN DNR received over 100 applications in the first few hours and over 70 applications in the first three minutes. The number of requests far exceeded the available funds, and they were only able to fund 46 projects. We are happy to announce that we were granted \$5000 for our application, “Using Binoculars to Explore the Habitat and Ecosystems within Restorations/Native Plantings.” We have until June 2023 to use these funds. Our proposal targets six schools that will incorporate the use of binoculars in connection with our outdoor watershed education outreach with Central Park Elementary in Roseville, Weaver Elementary in Maplewood, Battle Creek Elementary, American Indian Magnet, Farnsworth Aerospace and Hazel Park Academy in St. Paul.





## **Communications Program Report – Lauren Hazenson**

### **Website Redesign**

The information architecture phase of the project was completed this month. Lauren Hazenson and Simba Blood met with program lead staff to ensure all needed program information was included in the site structure. The separate website report below outlines additional information, upcoming phases, and opportunities to provide input on the design.

### **Wetland A Video**

A video showcasing the three-year restoration project was completed this month, spanning 25 video clips collected from multiple staff, interviews, and volunteer photos. It has been posted on Facebook and Youtube, garnering 150 views thus far. The video will also be featured in the 2021 review newsletter and Nextdoor. You can view this video here: <https://youtu.be/yg05yee3TNO>

### **Volunteer Program**

Communications plans to develop an outreach and social media volunteer program for 2022 to extend our reach in areas of the District that are not currently engaged or present opportunities for further involvement. Lauren has developed similar, successful programs in previous roles and will seek to replicate that success for RWMWD. She will meet with other program areas to discuss organization-wide volunteer policies and procedures.

### **Intern Recruitment**

The 2021 Communications Intern position has been posted at all regional colleges and community colleges. The intern will start in late spring until Labor Day, with the option to continue on if there is enough work to support their position.

### **Enewsletter**

The newsletter will be published on 12/29 this month for a special year-end feature. The open rate and audience statistics will be included in the January 2022 Board report.

### **Social Media (Facebook, Twitter, Instagram)**

Numbers as of December 28:

Audience: 2,717

Impressions/Post Views: 3,622

Engagement (likes, comments, shares): 288

## Website Update

### Accomplishments:

The preliminary site architecture was mapped out, emphasizing resident user experience. Our primary goal in developing the site architecture was to ensure users were able to navigate to project information, resources, and data quickly and easily.

### January

#### Prototyping and prototype testing/ Content Population

Prototyping a website involves building a rough framework of the site's architecture, including navigation and basic functionality. Usability testing will be involved in this phase, allowing another group of users to give feedback on the website, similar to the initial user interviews. This month we will also begin populating the new website, including new content in the following areas:

*Although other site areas will also undergo improvements, these areas will contain the most new content.*

**About:** Overview of watershed district structure and how it interacts with other government agencies. Management plan cross-links with individual projects. A section containing the District financials.

**Learn:** Overview of basic watershed concepts with a custom infographic, glossary of terms, seasonal information on water-friendly practices, and flood resiliency. A section with individual resources that includes video tutorials.

**Waters:** A new data section linking to a lake level page with dropdown search and raw water quality data.

**Projects:** Capability to toggle between map and list function on the same page. Users will be able to search by city and subwatershed and active vs. undergoing maintenance. Individual project pages include staff contact information with their photo. A project update blog post feed, video functionality, and project details will also be included on each page.

**Events:** Customized sections for WaterFest, Board Meetings, and Phalen Freeze Fest. Board meeting pages will contain content for one past and one future Board Meeting before it is archived to the document library. Board meeting content will connect to an interactive section on the home page.

**Document Library:** Dropdown filters to decrease the need for keyword search. Each document will now feature a brief overview description to improve keyword search functionality

### February

**Visual Design/Content Population Continued** - The St. Paul Media staff will create three user interface options by the end of February, to be presented to the Board at the March meeting.