



Board of Managers Meeting Agenda

Wednesday - October 9th, 2024 - 3:00 p.m.

Veterans Memorial Community Center - Community Room 1
8055 Barbara Ave, Inver Grove Heights, MN 55077

1. Call Meeting to Order
 - 1.1 Identification of Voting Board Members
 - 1.2 Approval of Agenda* (Additions/Corrections/Deletions) Action
2. Approve August 14th, 2024 Meeting Minutes - Chair* Action
3. Approve October 9th, 2024 Financial Summary & Invoice Payment - Treasurer* Action
4. Discuss Lake Augusta Feasibility Report & Next Steps - SWCD * ** Discussion/Action
5. Review Draft 2025 Dakota SWCD Work Plan and Services - SWCD* Discussion
6. Updates & Handouts
 - 6.1: Grant Tracking Spreadsheet - Barr** Information
 - 6.2: Groundwater Conservation & LCW Marketing Campaign Update - SWCD* Information
 - 6.3: LMRWMO Grant & Project Updates – SWCD* Information
 - 6.4: Member City Updates Information
7. Next Meeting: November 13, 2024 - Veterans Memorial Community Center, Inver Grove Heights
8. Adjourn

* Materials included in full packet

** Materials available separately on website

<https://lmrwmo.org/about-us/meeting-information/>



Board of Managers Meeting Minutes

Wednesday - August 14th, 2024 - 3:00 p.m.
Mendota Heights City Hall

Managers and Alternates in Attendance:

Sharon Lencowski (Chair), Inver Grove Heights
Dawn Gaetke, Inver Grove Heights
Brian Jastram, Saint Paul
Dan Halvorsen, Sunfish Lake

Leslie Pilgrim, Mendota Heights
Michael Randle, South St. Paul
Mary Kleinberg, Lilydale
Daniel Anderson, South St. Paul

Advisors and Others in Attendance:

Krista Spreiter, Mendota Heights
Cody Joos, West St. Paul
Greg Williams, Barr Engineering

Pat Murphy, Saint Paul
Paul Merchlewicz, Inver Grove Heights
Joe Barten, Dakota County SWCD

1. Call Meeting to Order

1.1 Public Comment / Introductions

Audience members may address the Board regarding items not on the agenda.

1.2 Approval of Agenda* (Additions/Corrections/Deletions)

Motion by Halvorsen to approve the agenda, second by Pilgrim; motion passed.

2. Approve July 10th, 2024 Meeting Minutes

Motion by Pilgrim to approve the previous meeting minutes, second by Randle; motion passed.

3. Approve August 14th, 2024 Financial Summary & Invoices

Spreiter provided a summary of the finances.

Motion by Pilgrim to approve the financial summary, second by Kleinberg; motion passed.

4. Discuss LMRWMO Watershed-Wide Stormwater Modeling

Barten summarized the information included in the memo. There was Board discussion on determining estimated costs up front, investigating existing standards (such as the City of Saint Paul), the need and cost of updates to a model after completion, and modifications to the mission, vision, and goals of modeling as shown in the Board packet.

Motion by Pilgrim to have Barr Engineering staff research existing City modeling standards, further outline and refine the mission, vision, and goals of LMRWMO watershed modeling, create draft LMRWMO

watershed-wide hydrologic & hydraulic and separate water quality modeling standards, and present that to a task force of LMRWMO City advisors for review, for an amount not to exceed \$4,000, second by Halvorsen; motion passed.

The LMRWMO Administrator will assist in coordinating a watershed modeling task force in the coming months for feedback and revisions. The standards will then be brought back to the LMRWMO Board for review.

5. Review Accelerated Implementation Grant Application

Williams summarized the draft language in the grant application for water quality modeling of LMRWMO priority watersheds. The modeling would cover all Priority 1A and Priority 1B waterbodies. The LMRWMO Administrator will finalize the grant application with Barr Staff and submit prior to the grant deadline.

6. Updates & Handouts

Grant Tracking: Williams provided an update on upcoming grants.

Project Updates: Barten provided an update on the Seidls Lake project, Direct Drainage Study project, and discussions surrounding Lake Augusta.

Member City Updates: City Advisors and Members provided updates on relevant projects in their Cities.

7. Adjournment and Next Meeting

The meeting was adjourned at 4:55 with the next Board meeting scheduled for September 11th, 2024 at Mendota Heights City Hall.



FINANCIAL SUMMARY
August 15, 2024 to October 9, 2024

Beginning Balance - Gateway Bank Checking Account: **\$49,768.36**

Deposit

Payments

5014	10/9/2024	wsb	+	
5015	10/9/2024	Barr Engineering	-	\$30,989.25
			-	\$3,111.00
			-	
			-	

Checking Ending Balance

\$15,668.11

Beginning Balance - Gateway Bank Savings Account:

\$185,743.29

<i>Dep</i>	9/1/2024	August 2024 Interest	+	\$525.05
<i>Dep</i>	9/30/2024	September 2024 Interest	+	\$443.98

Savings Ending Balance

\$186,712.32

Available Balance at Gateway Bank

\$202,380.43

LMRWMO 2024 Budget & Financial Summary												
		2023 Carryover			2024 Monthly Revenue							
Revenue	Budget	Dec 14, 2023 - Jan 10 2024	Jan 11 - Feb 14 2024	Feb 15 - Mar 13 2024	Mar 14 - April 10 2024	April 11 - May 8 2024	May 9 - July 10 2024	July 11 - Aug 14 2024	Aug 15 - Sept 11 2024	2024 Total	Variance	Percent Received
Dues from Members	\$133,676.00		\$42,950.84	\$90,723.74						\$133,674.58	\$1.42	100%
Interest	\$2,000.00	\$364.62	\$1.02	\$365.97	\$189.01	\$186.60	\$192.36	\$1,000.16	\$969.03	\$3,268.77	(\$1,268.77)	163%
LMCIT Rebate	\$250.00									\$0.00	\$250.00	0%
Grant Revenue	\$117,200.00		\$30,000.00				\$70,192.78			\$100,192.78	\$17,007.22	85%
Subtotal Operating Revenue	\$135,926.00	\$364.62	\$72,951.86	\$91,089.71	\$189.01	\$186.60	\$70,385.14	\$1,000.16	\$969.03	\$237,136.13		
		2023 Carryover			2024 Monthly Expenses							
Expenses	Budget	Dec 14, 2023 - Jan 10 2024	Jan 11 - Feb 14 2024	Feb 15 - Mar 13 2024	Mar 14 - April 10 2024	April 11 - May 8 2024	May 9 - July 10 2024	July 11 - Aug 14 2024	Aug 15 - Sept 11 2024	2024 Total	Remaining Budget	Percent Expended
Engineering/Technical Assistance												
Technical Assistance	\$6,000.00	\$479.50		\$4,046.50			\$1,323.00	\$1,408.00	\$2,516.00	\$9,293.50	(\$3,293.50)	155%
Meetings	\$6,500.00	\$1,155.00		\$1,671.43			\$1,632.00	\$655.00	\$595.00	\$4,553.43	\$1,946.57	70%
Plan Implementation/Grant Applications	\$6,000.00					\$1,330.00		\$617.50		\$1,947.50	\$4,052.50	32%
Watershed Plan Amendment	\$0.00	\$1,369.50								\$0.00	\$0.00	
Project Study/Implementation												
Miss. River Direct Drainage - FY-21 WBIF Match	\$9,300.00									\$0.00	\$9,300.00	0%
Interstate Valley Creek Stabilization FY-24 CWF Match	\$10,000.00									\$0.00	\$10,000.00	0%
Priority Watershed Modeling - \$100,000 (FY-23 WBIF Match)	\$12,000.00									\$0.00	\$12,000.00	0%
Seidls Lake Improvements - \$356,000 (FY-22 CPL % Match)	\$2,500.00									\$0.00	\$2,500.00	0%
Landscaping for Clean Water Projects	\$13,600.00	\$750.00								\$0.00	\$13,600.00	0%
Monitoring												
Lake and Stream Water Monitoring (CAMP) and Reports	\$13,760.00	\$3,103.97				\$4,240.94		\$4,756.63		\$8,997.57	\$4,762.43	65%
Education												
WMO Biannual E-Newsletter	\$3,800.00					\$1,615.00		\$475.00		\$2,090.00	\$1,710.00	55%
Landscaping for Clean Water Classes (Intro, Design, Maint. Shore)	\$9,500.00							\$9,500.00		\$9,500.00	\$0.00	100%
MN Water Stewards Support	\$4,000.00	\$225.00				\$285.00		\$427.50		\$712.50	\$3,287.50	18%
Storm Drain Stenciling Program	\$3,000.00	\$180.00				\$190.00		\$2,434.96		\$2,624.96	\$375.04	87%
Engage Residents at Public Events / WMO Tabling Materials	\$500.00							\$570.00		\$570.00	(\$70.00)	114%
General Education Requests	\$1,000.00	\$1,170.00				\$807.50				\$807.50	\$192.50	81%
Metro Watershed Partners Membership	\$1,000.00		\$1,000.00	\$231.00						\$1,231.00	(\$231.00)	123%
Website Maintenance and Updates	\$2,900.00					\$2,277.50		\$142.50		\$2,420.00	\$480.00	83%
Board Education	\$200.00	\$360.00								\$0.00	\$200.00	0%
Adopt A Drain Welcome Kits ²	\$1,500.00									\$0.00	\$1,500.00	0%
Administration												
General Administration	\$32,000.00	\$7,925.00				\$10,595.00		\$6,700.00		\$17,295.00	\$14,705.00	54%
Hold Annual TAC Meeting	\$1,000.00									\$0.00	\$1,000.00	0%
Insurance	\$2,500.00							\$2,772.00		\$2,772.00	(\$272.00)	111%
Attorney and Audit	\$5,500.00	\$34.00				\$897.72	\$136.00	\$4,300.00		\$5,333.72	\$166.28	97%
Subtotal Operating Expenses	\$148,060.00	\$16,751.97	\$1,000.00	\$5,948.93	\$897.72	\$21,476.94	\$7,255.00	\$30,459.09	\$3,111.00	\$70,148.68	\$77,911.32	47%
Grant Expenses	\$175,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$12,442.50	\$61,741.53	\$27,487.00	\$30,989.25	\$132,660.28	\$42,339.72	76%
Overall Fund Balance	\$168,417.88	\$240,369.74	\$325,510.52	\$324,801.81	\$291,068.97	\$292,457.58	\$235,511.65	\$202,380.43				
Total Grant Balance³	\$38,158.59	\$68,158.59	\$86,652.50	\$86,652.50	\$74,210.00	\$82,661.25	\$55,174.25	\$51,672.00				
Operating Fund Balance	\$130,259.29	\$172,211.15	\$238,858.02	\$238,149.31	\$216,858.97	\$209,796.33	\$180,337.40	\$150,708.43				
Unencumbered Operating Fund Balance¹	\$115,259.29	\$152,211.15	\$218,858.02	\$218,149.31	\$196,858.97	\$189,796.33	\$160,337.40	\$130,708.43				

2024 Budget Notes:

- \$20,000 set aside for 2033 Watershed Plan Update, \$5,000 additional annually encumbered.
 - \$1,500 Added to Budget at 1-8-23 Meeting, carryover from 2023
 - Overage from FY-19 WBIF grant of \$18,493.91 (\$13,000 additional water monitoring Lake Augusta, \$5,493.91 in staff time) officially shown as absorbed into WMO general fund, to zero out/close out grant, on March 13, 2024.
- General: Budget is an estimate and will vary depending on changing priorities and grant project progress.

Balances Explained:

Overall Fund Balance	Balance of all bank accounts
Total Grant Balance	Grant funds in-hand
Operating Fund Balance	WMO funds without grants
Unencumbered Operating Fund Balance	WMO funds not already dedicated

LMRWMO 2024 Grant Budget & Financial Summary															
	Budget	Aggregate Prior to Jan 12, 2022	Jan 13, 2022 - Jan 11, 2023	Jan 12 2023 - Jan 10 2024	Jan 11 - Feb 14 2024	Feb 15 - Mar 13 2024	Mar 14 - April 10 2024	April 11 - May 8 2024	May 9 - July 10 2024	July 11 - Aug 14 2024	Aug 15 - Sept 11 2024	Total	Variance	Percent Received/ Expended	

BWSR - FY 2021 Watershed Based Implementation Funding (Miss. River Direct Drainage Study)

Revenue															
BWSR FY-2021 WBIF Payment	\$93,042.00	\$46,521.00											\$46,521.00	\$46,521.00	50%
WBIF Matching Funds	\$9,304.00												\$0.00	\$9,304.00	0%
Total Revenue	\$102,346.00	\$46,521.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$46,521.00	\$55,825.00	45%
Expenses															
Grant Administration	\$10,042.00			\$156.00				\$3,248.50		\$176.00			\$3,580.50	\$6,461.50	36%
Erosion & Direct Drainage Study	\$71,000.00								\$6,666.75	\$21,867.00	\$30,989.25		\$59,523.00	\$11,477.00	84%
Erosion & Direct Drainage Study Match (WMO)	\$9,304.00												\$0.00	\$9,304.00	0%
Project Development	\$12,000.00			\$2,733.50				\$4,539.00		\$528.00			\$7,800.50	\$4,199.50	65%
Total Expenses	\$102,346.00	\$0.00	\$0.00	\$2,889.50	\$0.00	\$0.00	\$0.00	\$7,787.50	\$6,666.75	\$22,571.00	\$30,989.25		\$70,904.00	\$31,442.00	69%
FY-21 WBIF Balance		\$46,521.00	\$46,521.00	\$43,631.50	\$43,631.50	\$43,631.50	\$43,631.50	\$35,844.00	\$29,177.25	\$6,606.25	-\$24,383.00		-\$24,383.00		

BWSR - FY 2023 Watershed Based Implementation Funding (Priority Watershed Project ID & Model - Thompson, Rogers, Seidls)

Revenue															
BWSR FY-2021 WBIF Payment	\$118,385.00			\$59,193.00									\$59,193.00	\$59,192.00	50%
WBIF Matching Funds	\$12,000.00												\$0.00	\$12,000.00	0%
Total Revenue	\$130,385.00	\$0.00	\$0.00	\$59,193.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$59,193.00	\$71,192.00	45%
Expenses															
Grant Administration	\$8,000.00							\$769.50					\$769.50	\$7,230.50	10%
Priority Watershed Project ID & Model	\$100,385.00												\$0.00	\$100,385.00	0%
Priority Watershed Project ID & Model Match (WMO)	\$10,000.00												\$0.00	\$10,000.00	0%
Project Development	\$12,000.00							\$534.00					\$534.00	\$11,466.00	4%
Total Expenses	\$130,385.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,303.50	\$0.00	\$0.00	\$0.00	\$0.00	\$1,303.50	\$129,081.50	1%
FY-21 WBIF Balance		\$0.00	\$0.00	\$59,193.00	\$59,193.00	\$59,193.00	\$59,193.00	\$57,889.50	\$57,889.50	\$57,889.50	\$57,889.50		\$57,889.50		

MN DNR - Conservation Partners Legacy Grant (Seidls Lake Shoreline Restoration)

Revenue															
Grant Reimbursement Payments	\$382,000.00								\$70,192.78				\$70,192.78	\$311,807.22	18%
Matching funds	\$75,000.00												\$0.00	\$75,000.00	0%
Total Revenue	\$457,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$70,192.78	\$0.00	\$0.00	\$0.00	\$70,192.78	\$386,807.22	15%
Expenses															
Grant Administration/Project Mgmt	\$26,000.00			\$15,118.00				\$3,351.50		\$926.00			\$19,395.50	\$6,604.50	75%
Construction	\$356,000.00								\$23,496.03	\$3,990.00			\$27,486.03	\$328,513.97	8%
Engineering - Construction Docs	\$37,500.00								\$31,578.75				\$31,578.75	\$5,921.25	84%
Engineering - Const. Mgmt, Permits, Bids	\$37,500.00														
Total Expenses	\$457,000.00	\$0.00	\$0.00	\$15,118.00	\$0.00	\$0.00	\$0.00	\$3,351.50	\$55,074.78	\$4,916.00	\$0.00	\$0.00	\$78,460.28	\$341,039.72	17%
Seidls Lake Shoreline Balance		\$0.00	\$0.00	-\$15,118.00	-\$15,118.00	-\$15,118.00	-\$15,118.00	-\$18,469.50	-\$3,351.50	-\$8,267.50	-\$8,267.50		-\$8,267.50		

	Budget	Aggregate Prior to Jan 12, 2022	Jan 13, 2022 - Jan 11, 2023	Jan 12 2023 - Jan 10 2024	Jan 11 - Feb 14 2024	Feb 15 - Mar 13 2024	Mar 14 - April 10 2024	April 11 - May 8 2024	May 9 - July 10 2024	July 11 - Aug 14 2024	Aug 15 - Sept 11 2024	Total	Variance	Percent Received/ Expended
TOTAL GRANT FUNDS RECEIVED	\$763,656.00	\$118,856.00	\$0.00	\$156,528.00	\$30,000.00	\$18,493.91	\$0.00	\$0.00	\$70,192.78	\$0.00	\$0.00	\$394,070.69	\$428,778.31	52%
PASS THROUGH MATCH RECEIVED	\$130,000.00	\$0.00	\$0.00	\$25,000.00	\$30,000.00	\$18,493.91	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$73,493.91	\$70,450.09	57%
LMRWMO MATCH PROVIDED	\$13,944.00	\$0.00	\$3,040.00	\$546.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$3,586.00	\$428,778.31	26%
GRANT EXPENSES (MINUS WMO MATCH)	\$762,712.00	\$5,985.63	\$158,488.68	\$72,751.10	\$0.00	\$0.00	\$0.00	\$12,442.50	\$61,741.53	\$27,487.00	\$30,989.25	\$373,471.69	\$389,240.31	49%
PASS THROUGH MATCH EXPENSES	\$130,000.00	\$0.00	\$58,040.00	\$546.00	\$0.00	\$0.00	\$0.00	\$0.00	\$31,578.75	\$0.00	\$0.00	\$90,164.75	\$39,835.25	69%
NET FUND BALANCE (MINUS WMO MATCH)		\$112,870.37	-\$45,618.31	\$38,158.59	\$68,158.59	\$86,652.50	\$86,652.50	\$74,210.00	\$82,661.25	\$55,174.25	\$51,672.00	\$24,185.00		



MEMORANDUM

To: LMRWMO Board of Managers
From: Joe Barten, Dakota County SWCD
Subject: LMRWMO Role in Lake Augusta Project Implementation
Date: October 4, 2024

SUMMARY & BACKGROUND

Lake Augusta is located within an urbanized watershed in Mendota Heights, is landlocked with no natural outlet, and has very poor water quality. Water levels have steadily increased over the last 40 years from what the DNR determined as the normal water level in the early 1980's and water quality has continued to decline. A Watershed Restoration and Protection Strategies study was completed on Lake Augusta and four other LMRWMO lakes in 2011. This was a high-level study of the 5 lakes and recommended an alum treatment to improve the water quality of Lake Augusta. In 2017, the LMRWMO and partners implemented an alum treatment. The alum treatment measurably improved total phosphorus levels in the lake but after the impact was not significant enough to improve overall lake water quality given the higher water levels and landlocked nature of the lake.

The LMRWMO determined a feasibility study was needed to identify implementation activities to improve the water quality of Lake Augusta and investigate the effectiveness of a lake outlet in improving water quality. During initial scope creation of the feasibility study, Tom Kovarik, a Lake Augusta resident, informed LMRWMO staff of the potential impact of large populations of double crested cormorants on lake water quality. This population impact appears to have been steadily increasing in the last 20-25 years (based on anecdotal information) and was not considered in the 2011 lake study. Additionally, the high water levels, increasing development, and the potential contributions of sediment and corresponding phosphorus from the shoreline surrounding the lake, was not considered in past studies.

The LMRWMO engaged Barr Engineering to complete the Lake Augusta Water Quality Improvement and Outlet Feasibility Study in 2022, and the attached final study was completed in late 2023. The report includes relevant background information on Lake Augusta water quality, including high water level issues, and large double crested cormorant populations contributing feces and related phosphorus (potentially 40-70% of the total phosphorus load in any given year) to the lake. Also attached is a presentation given by Barr staff on the study outcomes in December 2023.

RESIDENT CONCERNS

Residents of the Augusta Shores and Lemay Shores homeowner associations have provided valuable information on the cormorant populations and impact on water quality of Lake Augusta. Residents were

provided the draft Lake Augusta Feasibility and given the chance to submit comments for Barr Staff and the LMRWMO Administrator to review. These comments informed edits to the report and a reply to all comments was provided. Since the report has been finalized, residents have continued to express concern with the poor water quality of the lake and the interest to take action to improve the lake water quality.

Residents have also expressed concern with the having lake levels lowered to the level recommended in the report. The preference of the residents is to keep the water level closer to its current level and not lower back down to the level recommended in the report. Greg Wilson, from Barr Engineering Co., noted that it may not be necessary to lower the lake all the way down to the ordinary high water level (OHW) and that having an outlet at any level above the OHW should provide a net benefit to water quality if it allows for a flushing effect of phosphorus laden water from the lake.

POTENTIAL NEXT STEPS (List is Not Inclusive and Multiple Options Could be Considered)

1. LMRWMO supports City pursuit of a lake outlet. Upon creation of lake outlet, the LMRWMO could assist in obtaining a Conservation Partners Legacy Grant (or other grant), to remove dead trees around the lake.
 - Tree removal may be possible with grant funds if lake levels can be maintained significantly lower than current levels. If lake levels are maintained higher, a DNR vegetation and habitat restoration grant may not be feasible.
 - The impact on the cormorant population due to dead tree removal is unknown and may have unintended consequences.
2. LMRWMO leads implementation of upstream stormwater BMPs, in partnership with the City, to improve water quality of stormwater entering Lake Augusta, per budget forecast timeline (2027).
 - This provides future pollutant reductions, but does not address cormorants, the largest contributor of phosphorus to the lake in drier years.
3. Table decisions and gather more information, possibly from cormorant experts or engage cormorant/bird control consultants at future LMRWMO Board meetings.
 - May provide clarity on next steps for LMRWMO or partners.
4. Consider that bird/cormorant culling or control is not under the purview of the LMRWMO and suggest the information already provided by the LMRWMO be utilized by property owners or the City for next steps.
 - Limits risk of the LMRWMO causing unintended consequences with cormorant population.

BOARD ACTION REQUESTED

Discuss and provide direction on the potential role of the LMRWMO in implementing various projects identified in the Lake Augusta Outlet and Water Quality Feasibility Study to improve water quality at Lake Augusta, including the potential to lead or support efforts to control the cormorant population.

ATTACHED

- Summary of Cormorant Research by LMRWMO Administrator
- Cormorant Factsheet from USDA (posted separately on website)
- 2023 Lake Augusta Outlet and Water Quality Feasibility Study (posted separately on website)
- Barr Engineering presentation slides on Lake Augusta Study (posted separately on website)

**2025 DRAFT Dakota County SWCD Work Plan and Budget for the
Lower Mississippi River Watershed Management Organization**

TASK	CALCULATION			SUBTOTAL
Administration	Hours	Rate	Fees	
Admin, Planning, Correspondence, Grant Coord.	358	\$100.00	\$200.00	\$36,000.00
<ul style="list-style-type: none"> • Develop and distribute Board packet materials for up to 12 meetings including, minutes, meeting space, relevant agenda items, and support information. • Prepare annual reports, newsletter, plans, financial reports, Board lists, meeting information, and any other information requested by the State. • Maintain all LMRWMO documents as required. • Coordinate audit, financial tracking, member dues. • Prepare annual budget from approved plan and LMRWMO Board priorities. • Participate in State grant funding process, ie. WBIF. • All other duties as necessary. • Coordinate and correspond with state agencies, regional organizations, and Member Cities, regarding watershed management or WMO topics. • Submit grant proposals to seek funding, coordinate with grant recipients, execute grant agreements. 			Fee for paper, printing, and postage	
Administration Total				\$36,000.00

Education and Outreach	Hours	Rate	Fees	
Website Hosting and Maintenance	20	\$100.00	\$1,000.00	\$3,000.00
<ul style="list-style-type: none"> • Host and maintain a website, as required by BWSR, with meeting information, plans, reports, grants and other information. 			Fee is for web hosting	
Landscaping for Clean Water (LCW)			\$10,000.00	\$10,000.00
<ul style="list-style-type: none"> • Provide access to the Landscaping for Clean Water Introduction Class Materials, Design Course Materials and Maintenance Workshop for both In person and Virtual Class Options <i>(Includes online registration, partner coordination, presentation creation and updates, creation of education and outreach materials, participant tracking, one-on-one design assistance.)</i> 			Introduction Class = \$2,000 Design Course = \$4,000 Maint. Workshop = \$2,000 Shoreline Class = \$2,000	
E-Newsletter Creation	32	\$100.00	\$0.00	\$3,200.00
<ul style="list-style-type: none"> • Maintain email list, email generation web tools, produce biannual (2x per year) e-newsletter 				
Water Stewards Program	25	\$100.00	\$0.00	\$2,500.00
<ul style="list-style-type: none"> • Coordinate with Freshwater Society and past Stewards on volunteer opportunities, hold existing steward meetings. (assumes not funding new Stewards in 2025) 				

**2025 DRAFT Dakota County SWCD Work Plan and Budget for the
Lower Mississippi River Watershed Management Organization**

Storm Drain Stenciling Program	45	\$100.00	\$0.00	\$4,500.00
<ul style="list-style-type: none"> Implement the storm drain stenciling program with volunteers and City contacts. 				
General Education Items	20	\$100.00	\$0.00	\$2,000.00
<ul style="list-style-type: none"> Participate in Metro Watershed Partners organizational meetings and programs. Respond to public education requests for information, provide educational materials to Member Cities for use in social media and meeting MS4 requirements. Coordinate and provide tabling materials for LMRWMO volunteers. 				
Education and Outreach Total				\$25,200.00

Technical Assistance	Hours	Rate	Fees	
Water Monitoring & Data Management	92	\$100.00	\$5,020.00	\$14,220.00
<ul style="list-style-type: none"> Coordinate with Met Council on sampling program, volunteer recruitment and training, sample pickup and dropoff, and sample analysis. Manage data transfer from volunteers and process data for reporting and lake factsheets. Prepare annual monitoring reports and provide monitoring data to State agencies or Cities. Perform up to 2 monitoring events as necessary for CAMP volunteers. Perform 2 choride sampling events at Thompson Lake, (Dakota County funds other 2 events). 			Fee is for samples to be analyzed at Met Council lab for all monitoring.	
Plan Implementation & Project Management	60	\$100.00	\$0.00	\$6,000.00
<ul style="list-style-type: none"> Provide technical and project management assistance to implement projects identified in Watershed Plan. Coordinate with stakeholders, develop projects or grant applications. Hold annual TAC meetings with stakeholders. Review and comment on wetand issues, EIS's, or EAWs. 				
Interstate Valley Creek Stormwater Grant			\$10,000.00	\$10,000.00
<ul style="list-style-type: none"> Provide technical assistance for Interstate Valley Creek Streambank Stabilization and Stormwater BMP grant (BWSR Grant ID: C24-0045). Note: To be billed at BWSR approved billable rate. 			Approximately 105 hours	
Landscaping for Clean Water			\$9,600.00	\$9,600.00
<ul style="list-style-type: none"> Provide technical assistance to homeowners including project layout, mid-point checks, and final inspections for raingardens, native plantings and shoreline stabilizations. 			\$600 times 16 projects	
Technical Assistance Total				\$39,820.00

**2025 DRAFT Dakota County SWCD Work Plan and Budget for the
Lower Mississippi River Watershed Management Organization**

Cost Share		Fees
Landscaping for Clean Water		\$4,000.00
<ul style="list-style-type: none"> • Provide cost share to landowners for projects including raingardens, native plantings and shoreline stabilization projects consistent with SWCD cost share policies. 	\$250 times 16 projects	\$4,000.00
	Cost Share Total	\$4,000.00

Total Agreement Not-to Exceed	\$105,020.00
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Note: Additional items may be required of the SWCD during the workplan timeframe and individual budget amounts may change as the year progresses. If proposed changes are to exceed the total agreed amount, this work plan can be amended as jointly approved by the LMRWMO and SWCD.

From: [Perrine, Kelly](#)
To: [Thiel, Travis](#); [Moore-Kutz, Brita](#); [Neppl, Valerie](#); [Gallagher, Ashley](#); [Albright, Lindsey](#); [Barten, Joe](#); daryl.jacobson@burnsvillemn.gov; [Pederson, Nick](#)
Subject: RE: Initial Script for Water Conservation
Date: Thursday, September 12, 2024 1:45:19 PM
Attachments: [20240911_132138.jpg](#)
[20240912_132124.jpg](#)
[DAK24-001 Shot List - Lindsey's a Landscape Artist.pdf](#)
[DAK24-001 Shot List - Greg's a Lawn Guy.pdf](#)

All,

It has been an exciting week for our campaign! Yesterday and today Blue Key Media staff and the cast actors were onsite filming the water conservation and LCW videos. Both videos were shot at Lindsey Albright's house, featuring her lovely native gardens while also allowing the crew to capture a luscious lawn equipped with an irrigation system and smart controller. See attached photos and shot lists for a sneak peak into these exciting days!

Following filming, Blue Key Media will begin editing the content and will share the post-production schedule for the group.

Thank you,
Kelly

Kelly Perrine | Senior Watershed Specialist
Vermillion River Watershed Joint Powers Organization

Dakota County Extension & Conservation Center
4100 220th St W, #103, Farmington, MN 55024
952.891.7002 | kelly.perrine@co.dakota.mn.us
vermillionriverwatershed.org





VISUALS	AUDIO		SCHEDULE				
Greg is standing proud, hands on hips with a grin in front of his house.	VO: "This is Greg"	SCENE 1	8:30am-10am				(ALT start wide and crash zoom in)
Camera Zooms out and we see Greg standing in his well manacured lawn in front of his suburban house	VO: "And Greg's a lawn guy"		8:30am-10am	15min			
overhead shot of lawn with Greg crossing through frame with lawn mower		SCENE 2A	8:30am-10am	15min			
Low shot of Greg mowing lawn directly at camera.	VO: "This isn't just a yard"		8:30am-10am	5min			
Greg crossing frame with sead spreader	VO: This is a point two	SCENE 2B	8:30am-10am	5min			
Greg weed wacking along the edge of lawn	VO: seven acres of pure	SCENE 2C	8:30am-10am	5min			
Greg using a weed sprayer on a weed		SCENE 2D	8:30am-10am	5min			
Greg hits a golf ball down the putting green	VO: suburban bliss.	SCENE 2E	8:30am-10am	10min			
CU of Greg using a magnify glass to inspect a spot of grass before spraying it with green spray paint	VO: In Greg's domain,	SCENE 2F	8:30am-10am	10min			
Greg walks across the lawn with his crazy areator shoes		SCENE 2G	8:30am-10am	5min			
CU of Greg carefully cutting a blade of grass with a scissors	VO: grass isn't grown.	SCENE 2H	8:30am-10am	10min			
WS Greg using a watering pot to water the grass	VO: It's nurtured.	SCENE 3	3:30pm-4pm				
Cut to CU of Greg's eyes as they dart	Music cuts out		3:30pm-4pm				
medium shot of dog walking down side walk, smelling the grass			3:30pm-4pm				
cut back to close up of Greg with worried face			3:30pm-4pm				
cut back to medium shot of dog peeing on his grass			3:30pm-4pm				
CU of Greg wincing in pain			3:30pm-4pm				
Wide shot of dog and owner, owner looking slightly confused			3:30pm-4pm				
MS of Greg forcing a smile and waving at neighbor			3:30pm-4pm				
Medium over head shot of Greg is reading a lawn care book as he lays in the grass with a big grin	VO: "Greg doesn't wonder if the grass is greener on the other side."		1pm-3pm				
Greg sets his book down on his chest and spreads his arms out in the grass, as if doing a snow angle	VO: "This IS the other side, and Greg--"		1pm-3pm				
Greg freezes and eyes shoot open	Lindsey: "Greg?"	1pm-3pm					
Cut to Greg sitting up right, we see Lindsey behind Greg on the front step in front of the house	Greg: "Yes, honey?"	1pm-3pm					
Rack focus back to Lindsey	Lindsey: "Are you... watering the sidewalks now?"	1pm-3pm					
Rack focus back to Greg as his head turns to his left, looking at the sprinklers		1pm-3pm					
Cut to shot of sprinklers watering the side walk		1pm-3pm					
Cut back to Greg as he quickly stands up and turns to Lindsey	Greg: "I can fix that!"	1pm-3pm					
Medium shot of Rosie appearing behind Lindsey	Rosie: "And didn't it just rain last night?"	1pm-3pm					
Reverse medium shot on Greg	Greg: "It's just... last night? That was hours ago"	1pm-3pm					
Cut back to MS of Rosie and Lindsey with a look of "Uh-huh?"		1pm-3pm					
MS of Greg	Greg: "I know a thirsty lawn when I see one."	1pm-3pm					
MS of Rosie shaking her head in dissapointment	Rosie: "Will you tell him, mom?"	1pm-3pm					
WS of Rosie looking up at Lindsey.	Lindsey: "A lawn only needs one inch of water a week, Greg."	1pm-3pm					
Reaction shot of Greg exclaiming.		1pm-3pm					
MS of Lindsey	Lindsey: "Rain counts."	1pm-3pm					
MS of Greg	Greg: "That sounds... researched."	1pm-3pm					
MS of Lindsey	Lindsey: "It's researched."	1pm-3pm					
Pan down to Rosie	Rosie: "You're depleting our groundwater supply, dad."	1pm-3pm					
MS of Greg, looking slightly befuddled by the words coming out of his daughters mouth	Greg: "Depleting our...?"	1pm-3pm					
MS of Rosie	Rosie: "The clean water we drink?"						
MS of Greg	Greg: "Oh... yeah, of course."	1pm-3pm					

Long shot, wide across the driveway past the sprinklers we see Jeff in his lawn waving	Jeff: "Hey Greg! You know it just rained last night, right?"		1pm-3pm				
CU of Greg, with a look of frustration			1pm-3pm				
Long shot of Jeff, looking confused and pointing at the sprinklers	Jeff: "And the sidewalk?"		1pm-3pm				
MS of Greg, pumping his fist in frustration.	Greg: "Not now!" (to himself) Rosie: "Dad"		1pm-3pm				
WS of Rosie & Lindsey	Rosie: "The ground water."		1pm-3pm				
MS of Greg	Greg: "Okay, okay. What do we do now?"		1pm-3pm				
"	Rosie: "I thought you'd never ask." (smirking)		1pm-3pm				
CU of sprinkler head as a hand enters frame and redirects it	Rosie VO: "First, we re-direct our spinkler heads"	SCENE 5	10am-11am	5min			
WS of Rosie with iPad & Pencil standing over Greg's shoulder as he looks back for approval.	Rose: "Saves water.. and money!"		10am-11am	10min			
Whip pan to the left into the garage WS with Greg standing in it at water irrigation system	Rosie VO: "Next, we install a smart controller for our irrigation system."	SCENE 6	11am-12pm	10min			
OTS CU of Greg fixing new irrigation system to wall with old system sitting on counter in front			11am-12pm	10min			
MS of Greg holding a smart phone in his garage next to the smart con	Rosie VO: "It automatically syncs with local weather		11am-12pm	10min			
CU of Greg interacting with app, showing the local weather	Rosie VO: "so you stop watering while it's raining"		11am-12pm	10min			
MS of Greg smiling as he likes the convience			11am-12pm	5min			
CU of Greg interacting with app, adjusting the schedule	Rosie VO: "Then, we need to adjust the schedule."		11am-12pm	5min			
CU of Sprinkler running. WS of sprinklers in back yard.	Rosie VO: "You don't need to water so often, dad."	SCENE 6A	4pm-4:30pm	15min			
WS of sprinkler system running in front lawn and then suddenly shutting off	Rosie VO: "Especially not during the heat of the day. It will just evaporate."	SCENE 6B	4pm-4:30pm	10min			
WS pan of Greg mowing with the mulch bag on, and suddenly Rosie is block his path	Rosie VO: "This one might sting a little, but"	SCENE 7	10am-11am	30min			
Greg stops and Rosie shakes her head, pointing at the clippings bag	Rosie VO: "We're going to leave the lawn clippings on the grass."		10am-11am				
Pan CU of the bag			10am-11am				
Pan up to CU of Greg breaking the VO sequence looking distraught	Greg: "What? Why?"		10am-11am				
CU of Rosie	Rosie: "Acts as a fertilizer, dad."		10am-11am				
WS of Rosie and Greg at lawn mower in middle of back yard	Rosie: "Keeps our soil healthy."		10am-11am				
Greg removes clippings bag		10am-11am					
Cut to WS of Lindsey, Greg, and Rosie standing in front lawn on beautiful sunny day.	Rosie: "Last thing."	SCENE 8	1pm-3pm				
MS of Rosie:	Rosie: "It's time to take the pledge."		1pm-3pm				
MS of Greg:	Greg: "The what?"		1pm-3pm				
CU of iPad on Dakota County Water Wise Challengege page	Rosie VO: "The Dakota County Water Wise Challenge pledge, dad."		1pm-3pm				
Scroll down on ipad to check list	Rosie VO: "It tracks how much water we've committed to save."		1pm-3pm				
MS of Rosie	Rosie: "We've checked every box"		1pm-3pm				
MS of Greg and Lindsey looking at each other raising their eyebrows and smiling.			1pm-3pm				
CU of Greg, smirking	Greg: "Top that, Jeff."		1pm-3pm				
WS of Greg, Lindsey, and Rosie in front yard smiling at each other, high fiving	VO: Taking the Water Wise Pledge. Visit www.samplesite.com to learn easy ways how you can start saving water and money.		1pm-3pm				



MEMORANDUM

To: LMRWMO Board of Managers
From: Joe Barten, Dakota County SWCD
Subject: LMRWMO Grant and Project Update
Date: October 4, 2024

SUMMARY

The LMRWMO has received multiple grants from the Board of Water and Soil Resources (BWSR) via the State Clean Water Fund and Metro Watershed Based Implementation Fund (WBIF) as well as the Metropolitan Council and MN Department of Natural Resources. Nearly all projects have been implemented in partnership with Member Cities and with matching funds from Member Cities. The following is a summary of active grants held by the LMRWMO and upcoming grant rounds. Also included is a summary of recent grants completed by the LMRWMO and Member Cities.

IN PROGRESS GRANTS AND PROJECTS

FY-2021 BWSR Metro Watershed Based Implementation Funding

The LMRWMO was awarded \$93,042 in grant funds for the study of direct drainage watersheds to the Mississippi River within the LMRWMO to create a comprehensive and ranked water quality improvement project list for future implementation. This grant requires a 10% cash match from the LMRWMO. The study focused on both erosion issues as well as stormwater management projects. Proposals for the direct drainage were sought and WSB was selected to perform the work. WSB has completed the first draft of the Mississippi River Direct Drainage Study and has provided that to the LMRWMO and member Cities for review and comment. Comments are expected by the end of October, and the final report will be delivered to LMRWMO in early December. The study is on track for an on time and on budget completion in December 2024.

FY-2022 MN DNR Conservation Partners Legacy Grant – Seidls Lake Shoreline Restoration

The LMRWMO was awarded \$382,000 in grant funds for restoration of vegetation surrounding Seidls Lake in Inver Grove Heights and South St. Paul. The project is to be done in close partnership with the two Cities and tandem with a trail reconstruction project. Tree clearing occurred in early 2024, the contractor has completed the trail work and some adjacent slope stabilization on the East side of Seidls Lake. The remaining lake vegetation restoration work will occur in October 2024 and any remaining work will occur in early 2025. The grant expires on June 30th, 2025.

FY-2023 BWSR Metro Watershed Based Implementation Funding

The LMRWMO was awarded \$118,385 in grant funds to develop a water quality, hydrologic, and hydraulic model of priority watersheds. The modeling extent includes the watersheds of priority level 1A lakes (Thompson Lake, Rogers Lake, Seidls Lake). The modeling will identify pollutant loading hotspots, areas with insufficient or no treatment, and identify and prioritize regional treatment opportunities. Created from this information is a priority project list and feasibility analysis for each priority level 1A lake watershed, prioritizing projects that include water quality, volume reduction, and that also address flood risk. The LMRWMO Board directed the Administrator to seek 3-4 proposals from qualified consultants. The project is expected to be put out for consultant proposals in later 2024 once a modeling standards document has been drafted. The grant expires on Dec. 31st, 2025.

FY-23 BWSR Projects and Practices - Interstate Valley Creek Stabilization and Volume Reduction Project

The Dakota County SWCD applied for and received \$585,000 in State Clean Water funding in partnership with Mendota Heights, Dakota County, and the LMRWMO implement the 3 top ranked stormwater management projects and the 3 top ranked streambank stabilization projects identified in the Interstate Valley Creek Stabilization and Volume Reduction study. The LMRWMO has committed to provide \$10,000 in matching funds towards the project. The LMRWMO Administrator is working closely with City and County staff on construction plan and document creation. The project is currently out for bid and it is expected that construction and tree clearing will begin in late 2024.

FUTURE GRANTS/PROJECTS

FY-25 Accelerated Implementation Grant for Water Quality Modeling of Lower Mississippi River WMO Priority Watersheds

The LMRWMO completed the nearly \$100,000 grant application for the water quality modeling of priority watersheds in August 2024 with Barr Engineering staff preparing the majority of the application materials. Grant awards will be announced by the BWSR Board in December 2024.

FY-2025 BWSR Metro Watershed Based Implementation Funding

LMRWMO staff will work with local partners, including two Member City representatives, staff from Dakota and Ramsey Counties, and the Dakota County SWCD to determine the preferred use of \$208,410 in state grant funding which has been allocated to the Lower Mississippi River Watershed Planning Area. The first convene meeting is expected to occur in late 2024 to determine how to utilize these funds. The LMRWMO has had initial discussions with Dakota County and City of West St. Paul staff to see if stormwater practices installed along Butler Avenue to benefit Thompson Lake could be a good fit for this funding source. Preliminary design is nearly complete and discussions on maintenance responsibility of future stormwater

practices currently underway to determine the likelihood of seeking funding for Butler Ave. stormwater practices using FY-2025 WBIF funds.

RECENTLY COMPLETED LMRWMO GRANTS/PROJECTS

FY-2019 BWSR Metro Watershed Based Implementation Funding

The LMRWMO was awarded \$144,670 in grant funds for the creation of multiple education programs and materials (stenciling program, multi-lingual educational material regarding chloride, pesticides, herbicides, and fertilizer application, impaired waters). Funds are also available for a feasibility study to identify activities to improve the water quality of Lake Augusta and a feasibility study of Interstate Valley Creek to identify areas of streambank protection, weir replacement, and identification of BMPs for pollutant and volume reduction in watershed. See below for more details on those completed projects.

Lake Augusta Feasibility Study

Barr Engineering was contracted to perform lake and rain runoff monitoring, GIS base-mapping, and stormwater modeling to identify lake management and stormwater management solutions to poor water quality in Lake Augusta. The final report will be used to implement future projects in 2026-2027.

Interstate Valley Creek Stabilization and Volume Reduction Feasibility Study

The LMRWMO contracted with WSB to complete the Interstate Valley Creek study due to severe bank erosion. All reaches of the stream were assessed and classified for amounts of erosion. Stabilization measures with cost and pollutant reductions attached to different areas were ranked and prioritized. The final study was used by the Dakota SWCD to receive a \$585,000 State Clean Water Fund grant to implement the 3 top ranked stormwater management projects and the the 3 top ranked streambank stabilization projects in partnership with the LMRWMO, City of Mendota Heights, and Dakota County.

FY-2018 Clean Water Fund Grant - Cherokee Heights Stormwater Mgmt. and Ravine Stabilization

The LMRWMO was awarded \$700,000 in grant funds to stabilize the approximately 300 feet long Upper Cherokee Heights Ravine, which is downstream of a 60-inch culvert under Cherokee Heights Boulevard. The project was in partnership with the City of St. Paul and included the installation of two underground stormwater treatment devices to improve the quality of incoming stormwater and used rock riprap and bioengineered techniques to stabilize the channel. The grant was closed out in March of 2021.

2017 Metropolitan Council Stormwater Grant - Seidl's Lake Water Quality Improvement Project

The LMRWMO was awarded \$150,000 in grant funds for the installation of an underground tree trench stormwater management system, in partnership with the City of South St. Paul, to intercept and infiltrate stormwater prior to it entering Seidl's Lake. Construction of the project was completed in 2019. Grant reporting was submitted to the Met Council in late 2019 and the grant was closed out with a \$150,000 reimbursement to the City for project costs.

FY-2016 BWSR Clean Water Fund Grant - Sunfish Lake and Lake Augusta Aluminum Sulfate Treatments

The LMRWMO was awarded \$196,000 in grant funds for the implementation of two aluminum sulfate treatments on Sunfish Lake and Lake Augusta, in partnership with the City of Mendota Heights and Sunfish Lake residents, to reduce phosphorus levels in the lakes. The majority of work was completed in 2017 for

this grant with additional follow-up information provided to BWSR in 2019 and 2020. Final grant reporting and closeout was completed in 2020 with a final reimbursement from BWSR in October 2020.

FY-2016 BWSR Clean Water Fund Grant - Thompson Lake Stormwater Improvements

The LMRWMO was awarded \$576,000 in grant funds for the construction of underground stormwater treatment devices, a stormwater pond forebay, a treatment wetland, and a stormwater reuse system to reduce pollutants entering Thompson Lake in West St. Paul. The project was implemented in conjunction with Dakota County and The City of West St. Paul. Construction began in late 2018 with stormwater BMP construction in 2019. Follow-up punch list repairs were completed in 2020. The grant was closed out in March of 2021.

2016 Metropolitan Council Stormwater Grant - Lilydale SAFL Baffle Installation

The LMRWMO was awarded \$9,000 in grant funds for the installation of a SAFL Baffle and educational sign in Lilydale as part of the Hwy. 13 reconstruction project. The SAFL Baffle and signage were installed and the grant was closed out in 2020.

Board Action Requested: None, information only.