LMRWMO
LOWER MISSISSIPPI RIVER
WATERSHED MANAGEMENT ORGANIZATION

Board of Managers Meeting Agenda

Wednesday - October 13th, 2021 - 3:00 p.m.
Held Remotely Online

1. Call Meeting to Order

1.1 Public Comment / Introductions
Audience members may address the Board regarding items not on the agenda. Please limit to three minutes.

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

2. Approve September 8th, 2021 Meeting Minutes - Chair* — Action

3. Approve October 13th, 2021 Financial Summary & Invoices - Treasurer* — Action

4. Review and Comment on Draft LMRWMO Website - SWCD — Discussion

5. Review Draft 2022 SWCD/LMRWMO Work Plan & Budget - SWCD* — Discussion/Action

6. Review of Existing LMRWMO Strategies and Policies - Barr* — Discussion

7. Review Proposed Scope of Work for Pine Bend SNA - Barr/SWCD* — Discussion/Action

8. Updates and Handouts

8.1 Watershed Plan Update Status - Barr*	Information
8.2 Watershed Plan Extension Approval - SWCD*	Information
8.3 FY-19 Watershed Based Implementation Funding Grant Extension - SWCD	Information
8.4 Seidls Lake Grant Submittal - SWCD	Information
8.5 MN Water Stewards Outreach - SWCD	Information
8.6 Final 2022 LMRWMO Budget - SWCD*	Information
8.7 Grant Tracking Update - Barr**	Information
8.8 Other Updates / Member City Updates	Information

9. Agenda Items for Next Meeting: November 10th, 2021 - Held Remotely

10. Adjourn

*Materials included in full packet
**Materials available separately on website:
www.dakotacountyswcd.org/watersheds/lowermisswmo/agendas.html

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Remote Zoom Meeting Information on Following Page.

Please note, the October 13th, 2021 LMRWMO Board meeting will take place via teleconference by phone and/or the web-based application, Zoom, at 3:00 pm. Please visit the meeting listing below for instructions on how to participate.

LMRWMO October 13 Board Meeting
Time: Oct 13, 2021 03:00 PM Central Time (US and Canada)

Join Zoom Meeting
https://dakotacountymn.zoom.us/j/91342526686?pwd=Qk53NzhTWXFxaExZQVJwd0IxdlIrdz09

Meeting ID: 913 4252 6686
Passcode: 216025

LMRWMO
LOWER MISSISSIPPI RIVER
WATERSHED MANAGEMENT ORGANIZATION

MEETING MINUTES

Board of Managers Regular Meeting
September 8, 2021 - 3:00 p.m.
Meeting Held Remotely Online

Managers and Alternates in Attendance:

Sharon Lencowski, Chair - Inver Grove Heights
Mary Jeanne Schneeman, Mendota Heights
Tom Sutton, Lilydale
Julie Eastman, West St. Paul
Karen Reid, Vice Chair - Saint Paul
Lyle Hanzal, Lilydale
Michael Randle, South Saint Paul
Dan Halvorsen, Sunfish Lake

Advisors and Others in Attendance:

Krista Spreiter, Mendota Heights
Ross Beckwith, West St. Paul
Tom Kaldunski, Inver Grove Heights
Greg Williams, Barr Engineering
Sue Polka, South St. Paul
Pat Murphy, Saint Paul
Melissa King, Board of Water & Soil Resources
Joe Barten, Dakota County SWCD

1. **Call Meeting to Order**

The meeting was called to order by Chair Lencowski at 3:00 pm.

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 Schneeman to approve the agenda for the August 11th, 2021 meeting, second by Halvorsen; Roll call approval by Lencowski, Schneeman, Randle, Sutton, Halvorsen; motion passed.

2. **Approval of the August 11th, 2021 Meeting Minutes**

Lencowski asked if there were any changes to the previous meeting minutes.

MOTION by Randle to approve the previous meeting minutes, second by Schneeman; Roll call approval by Schneeman, Randle, Sutton, Halvorsen, Eastman (Lencowski abstains); motion passed.

3. **Approval of the September 8th, 2021 Financial Summary & Invoices**

Spreiter summarized the information in the packet and recommended approval of the financial summary.

MOTION by Eastman to approve the previous meeting minutes, second by Halvorsen; Roll call approval by Lencowski, Reid, Schneeman, Randle, Sutton, Halvorsen, Eastman; motion passed.

4. Review Summary of Issue Identification Activities for Plan Update

Williams provided a summary of the information provided in the packet. The Board discussed the priority issues and resources.

Kaldunski noted the need to address high water levels throughout the County. Reid noted the high ranking of waterbodies such as Lake Augusta which do not have public access and asked whether those should be the highest priority.

Williams explained the methodology for prioritizing waterbodies and the Board provided feedback on the priority levels. Randle mentioned prioritizing those lakes with highest use and visibility. Lencowski noted that implementation in lakes without public access could focus on education vs. projects. There was discussion to move lakes without public access to the second priority level.

MOTION by Halvorsen to approve the proposed issue identification and waterbody prioritization with Option A as the preferred method, moving all streams to the highest priority level, moving waterbodies without public access to the 2nd priority level, move Rosenberger up to 2nd priority level, second by Schneeman; Roll call approval by Lencowski, Reid, Schneeman, Randle, Halvorsen, Eastman; motion passed.

5. Review Draft 2022 Budget and Member Dues

Barten summarized the information in the packet, including the two options for the 2022 budget with a flat budget and 5% increase. He noted that the SWCD hourly rate will increase from $80 to $85 per hour and that with COVID uncertainty and the plan update process underway, there are less education and outreach items included in the budget. The Board discussed adding in the signage program for signs at Inver Grove Heights stormwater project locations and having a 5% increase for the year.

MOTION by Reid to approve the budget with a 5% increase and with the addition of $2,500 for signage creation for Inver Grove Heights stormwater projects, second by Eastman; Roll call approval by Lencowski, Reid, Schneeman, Randle, Halvorsen, Eastman; motion passed.

6. Discuss Future LMRWMO Meeting Format

The Board discussed the potential to meet in person vs. remotely. Barten summarized the legal implications as presented by the LMRWMO legal counsel in requiring masks to attend meetings and meeting remotely after the emergency declaration has ended. There was consensus to meet remotely through December 2021 and re-evaluate at that time whether to meet remotely or in person going forward.

7. Updates and Handouts

7.1 Seidls Lake Grant Submittal

Barten noted that the grant was submitted prior to the deadline and that they hope to hear in the coming months whether funding will be provided.

7.2 Pine Bend Engineering Review

Barten said that Barr staff were preparing a scope of work for the Board to review at a future meeting.

7.3 Other Updates / Member City Updates

Member City representatives provided updates on projects in their City.

8. Agenda Items for Next Meeting: October 13th, 2021

9. Adjourn

Meeting adjourned by Chair Lencowski at 4:40 pm

LMR WMO
LOWER MISSISSIPPI RIVER
WATERSHED MANAGEMENT ORGANIZATION

FINANCIAL SUMMARY
September 9, 2021 to October 13, 2021

Beginning Balance - Key Community Bank				**$232,294.58**
Interest	8/31/2021	August Interest	+	$11.06
			+	
			+	
Deposits			+	

To be approved at this meeting:

Key Community Bank:

Bank Fee	*8/31/2021*	August Paper Statement Fee	-	$2.00
3730	*10/13/2021*	Barr Engineering	-	$1,993.00
3731	*10/13/2021*	Campbell Knutson	-	$153.00
			-	
			-	
			-	

Available Balance at Key Community Bank **$230,157.64**

Gateway Bank Accounts:

	Savings	*Balance*		$71,309.90
Deposits	*Interest*	*9/30/2021*		$23.44
			-	
		Ending Balance		**$71,333.34**
	Checking	*Balance*		$1,000.00
			-	
		Ending Balance		**$1,000.00**

Available Balance at Gateway Bank **$72,333.34**

Available Balance - Key Community & Gateway Banks **$302,490.98**

4th Generation Plan Balance for 2021 **$50,000.00**

*Balance includes dedicated funds to 4th Generation Watershed Plan

INVOICE

Barr Engineering Co.
4300 MarketPointe Drive, Suite 200
Minneapolis, MN 55435
Phone: 952-832-2600; Fax: 952-832-2601
FEIN #: 41-0905995 Inc: 1966

Ms. Nancy Bauer
Lower Mississippi River Water Mgmt. Org.
City of Mendota Heights
1101 Victoria Curve
Mendota Heights, MN 55118

September 3, 2021
Invoice No: 23190078.00 - 238

Total this Invoice $1,073.00

Regarding: Watershed Management Organization

The following invoice is for professional services related to the above project, which include:

- Material preparation and review ahead of the July 14, 2021 Board of Managers meeting
- Attending the July 14, 2021 Board of Managers meeting
- Meeting with LMRWMO Administrator and City of Inver Grove Heights staff to discuss erosion issues in Pine Bend Scientific and Natural Area (SNA)
- Communicating with LMRWMO Administrator and project management

Professional Services from June 12, 2021 to August 6, 2021

Job 2020 2020 Engineering Services

Task 001 Board Meetings

Labor Charges

	Hours	Rate	Amount	
Engineer / Scientist / Specialist III				
Williams, Sterling	4.50	150.00	675.00	
	4.50		675.00	
Subtotal Labor				**675.00**
			Task Subtotal	**$675.00**

Task 002 Technical Assistance

Labor Charges

	Hours	Rate	Amount	
Principal				
Kieffer, Janna	.10	180.00	18.00	
Engineer / Scientist / Specialist III				
Williams, Sterling	2.20	150.00	330.00	
Support Personnel II				
Nypan, Nyssa	.50	100.00	50.00	
	2.80		398.00	
Subtotal Labor				**398.00**
			Task Subtotal	**$398.00**
			Job Subtotal	**$1,073.00**

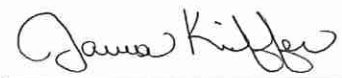
PLEASE REMIT TO ABOVE ADDRESS and INCLUDE INVOICE NUMBER ON CHECK.
Terms: Due upon receipt. 1 1/2% per month after 30 days. Please refer to the contract if other terms apply.

Project	23190078.00	Lower Mississippi River	Invoice	238

Total this Invoice **$1,073.00**

Thank you in advance for your prompt processing of this invoice. If you have any questions, please contact your Barr Project Manager, Janna M. Kieffer Phone: 952-832-2785 or E-Mail: jkieffer@barr.com.

Barr declares under the penalties of law that this account, claim or demand is just and no part of it has been paid.

Authorized By: 

Janna Kieffer

Billing Backup

Friday, September 3, 2021

Barr Engineering Co. Invoice 238 Dated 9/3/2021 2:49:08 PM

Job 2020 2020 Engineering Services

Task 001 Board Meetings

Labor Charges

			Hours	Rate	Amount	
Engineer / Scientist / Specialist III						
	Engineer / Scientist / Specialist III					
SGW	3 - Williams, Sterling	6/24/2021	1.00	150.00	150.00	
	prep for meeting check in with Joe					
SGW	3 - Williams, Sterling	7/14/2021	2.50	150.00	375.00	
	Board meeting					
SGW	3 - Williams, Sterling	8/6/2021	1.00	150.00	150.00	
	memo for board					
			4.50		675.00	
	Subtotal Labor					**675.00**
				Task Subtotal		**$675.00**

Task 002 Technical Assistance

Labor Charges

			Hours	Rate	Amount	
Principal						
	Principal					
JMK2	1 - Kieffer, Janna	7/7/2021	.10	180.00	18.00	
	invoice review					
Engineer / Scientist / Specialist III						
	Engineer / Scientist / Specialist III					
SGW	3 - Williams, Sterling	7/13/2021	.70	150.00	105.00	
	Call with Joe re: pine bend					
SGW	3 - Williams, Sterling	7/14/2021	.50	150.00	75.00	
	pine bend info					
SGW	3 - Williams, Sterling	7/19/2021	.30	150.00	45.00	
	Pine bend prep					
SGW	3 - Williams, Sterling	7/22/2021	.70	150.00	105.00	
	Meet with Joe and Tom Kaldunski re Pine Bend					
Support Personnel II						
	Support Personnel II					
NJN	9 - Nypan, Nyssa	7/7/2021	.50	100.00	50.00	
			2.80		398.00	
	Subtotal Labor					**398.00**
				Task Subtotal		**$398.00**
				Job Subtotal		**$1,073.00**

Project	23190078.00	Lower Mississippi River	Invoice	238

Total this Project	**$1,073.00**
Total this Report	**$1,073.00**

INVOICE

Barr Engineering Co.
4300 MarketPointe Drive, Suite 200
Minneapolis, MN 55435
Phone: 952-832-2600; Fax: 952-832-2601
FEIN #: 41-0905995 Inc: 1966

Mr. Joe Barten
Lower Mississippi River Water Mgmt. Org.
c/o Dakota County SWCD
Suite 102
4100 220th Street West
Farmington, MN 55024

September 3, 2021
Invoice No: 23191436.00 - 10

Total this Invoice $920.00

Regarding: Fourth generation update to the Lower Mississippi River WMO Watershed Management Plan

This invoice is for professional services, which include the following:

- Assembling waterbody data and applying criteria to establish priority waterbodies
- Summarizing draft priority waterbody classification in a memorandum to the Board of Managers
- General communicating with LMRWMO Administrator and project management

Job	Task	Contract Budget	Previously Billed	Invoice Amount	Total Billed	Balance
ENG - Stakeholder Engagement	1A0	$ 1,210.00	$ 2,162.00		$ 2,162.00	$ (952.00)
	1B0	$ 2,930.00	$ 375.00		$ 375.00	$ 2,555.00
	1C0	$ 1,550.00	$ 898.50		$ 898.50	$ 651.50
	1D0	$ -	$ -		$ -	$ -
	1E0	$ 3,580.00	$ -		$ -	$ 3,580.00
	1F0	$ 3,520.00	$ 768.00	$ 50.00	$ 818.00	$ 2,702.00
	1G0	$ 4,880.00	$ 4,676.00		$ 4,676.00	$ 204.00
	1H0	$ 3,170.00	$ -	$ 870.00	$ 870.00	$ 2,300.00
PLAN - Prepare Draft Plan	2A0	$ 6,890.00	$ 4,820.00		$ 4,820.00	$ 2,070.00
	2B0	$ 6,730.00	$ -		$ -	$ 6,730.00
	2C0	$ 6,840.00	$ -		$ -	$ 6,840.00
	2D0	$ 7,540.00	$ -		$ -	$ 7,540.00
	2E0	$ 7,710.00	$ -		$ -	$ 7,710.00
REV - Review and Adoption	3A0	$ 4,240.00	$ -		$ -	$ 4,240.00
	3B0	$ 3,600.00	$ -		$ -	$ 3,600.00
	3C0	$ -	$ -		$ -	$ -
	3D0	$ 5,000.00	$ -		$ -	$ 5,000.00
	3E0	$ 2,260.00	$ -		$ -	$ 2,260.00
Total		$ 71,650.00	$ 13,699.50	$ 920.00	$ 14,619.50	$ 57,030.50

Professional Services from June 12, 2021 to August 6, 2021

Job	ENG	Stakeholder Engagement
Task	1F0	initial planning meeting

PLEASE REMIT TO ABOVE ADDRESS and INCLUDE INVOICE NUMBER ON CHECK.
Terms: Due upon receipt. 1 1/2% per month after 30 days. Please refer to the contract if other terms apply.

Labor Charges

	Hours	Rate	Amount	
Support Personnel II				
Nypan, Nyssa	.50	100.00	50.00	
	.50		50.00	
Subtotal Labor				**50.00**
			Task Subtotal	**$50.00**

Task 1H0 prioritize issues with board

Labor Charges

	Hours	Rate	Amount	
Engineer / Scientist / Specialist III				
Williams, Sterling	5.80	150.00	870.00	
	5.80		870.00	
Subtotal Labor				**870.00**
			Task Subtotal	**$870.00**
			Job Subtotal	**$920.00**
			Total this Invoice	**$920.00**

Thank you in advance for your prompt processing of this invoice. If you have any questions, please contact Greg Williams, your Barr project manager at 952.832.2945 or email at gwilliams@barr.com.

Barr declares under the penalties of law that this account, claim or demand is just and no part of it has been paid.

Authorized By: 

Janna Kieffer

Billing Backup

Friday, September 3, 2021

Barr Engineering Co. Invoice 10 Dated 9/3/2021 2:54:37 PM

Job ENG Stakeholder Engagement

Task 1F0 initial planning meeting

Labor Charges

				Hours	Rate	Amount	
Support Personnel II							
	Support Personnel II						
NJN	Nypan, Nyssa		7/7/2021	.50	100.00	50.00	
				.50		50.00	
	Subtotal Labor						**50.00**
						Task Subtotal	**$50.00**

Task 1H0 prioritize issues with board

Labor Charges

				Hours	Rate	Amount	
Engineer / Scientist / Specialist III							
	Engineer / Scientist / Specialist III						
SGW	Williams, Sterling		8/4/2021	3.20	150.00	480.00	
	edits to priority waterbodies						
SGW	Williams, Sterling		8/5/2021	2.60	150.00	390.00	
	edits to priority waterbodies						
				5.80		870.00	
	Subtotal Labor						**870.00**
						Task Subtotal	**$870.00**
						Job Subtotal	**$920.00**
						Total this Project	**$920.00**
						Total this Report	**$920.00**

CAMPBELL KNUTSON
Professional Association
Attorneys at Law
Federal Tax I.D. #41-1562130
Grand Oak Office Center I
860 Blue Gentian Road, Suite 290
Eagan, Minnesota 55121
(651) 452-5000

August 31, 2021
Account # 601-0000G
75

Lower Mississippi River WMO
c/o Nancy Bauer
City of Mendota Heights
1101 Victoria Curve
Mendota Heights MN 55118

RE: GENERAL SERVICES
RENDERED TO DATE:

			HOURS	
08/12/2021	JJJ	Emails Joe re: meetings and proof of vaccination for attendance.	0.40	68.00
08/16/2021	JJJ	Follow-ups regarding OML/remote Board meeting.	0.20	34.00
08/20/2021	JJJ	Emails Joe, Brian re: OML, remote.	0.30	51.00
		AMOUNT DUE	0.90	153.00
		TOTAL CURRENT WORK		153.00
		PREVIOUS BALANCE		$68.00
06/22/2021		Payment - thank you		-68.00
		TOTAL AMOUNT DUE		$153.00

Amounts due over 30 days will be subject to a finance charge of .5% per month (or an annual rate of 6%). Minimum charge - 50 cents.

2022 DRAFT Dakota County SWCD Work Plan and Budget

Prepared for the

Lower Mississippi River Watershed Management Organization

TASK – ADMINISTRATION	COST ESTIMATE
Administration and Planning • Coordinate Board packet materials including agenda, minutes, and support information. • Develop and distribute Board packets to members, alternates, and partners, prepare press releases as needed. • Prepare annual reports, newsletter, plans, and financial reports for the Board of Water and Soil Resources (BWSR). • Maintain documents through records retention schedule. • Coordinate annual audit, maintain financials, dues. • Prepare annual budget from approved plan and LMRWMO Board priorities and distribute. • Participate in Metro Watershed Based Funding process. • All other duties as necessary.	210 hours @ $85/hour = $17,850
Watershed Management Plan Update • Coordinate with state agencies on LMRWMO Watershed Management Plan update. • Coordinate public, CAC, or TAC meetings with consultant. • Review and comment on plan content.	110 hours @ $85/hour = $9,350
General Correspondence and Coordination • Draft letters on various issues as requested. • Coordinate with state agencies, regional organizations, and member cities, regarding watershed management topics. • Submit grant proposals to seek funding as requested, coordinate with grant recipients, and execute grant agreements.	100 hours @ $85/hour = $8,500
Printing and Postage	4 quarters @ $50/quarter = $200
Subtotal	**$35,900**

TASK – EDUCATION AND OUTREACH	COST ESTIMATE
Landscaping for Clean Water Workshops Provide access to the Landscaping for Clean Water Course and Materials Introduction Course Materials. • Introduction Class and Materials • Design Class and Materials • Maintenance Workshop and Materials (Includes online registration, partner and City coordination, presentation creation and updates, creation of educational materials, creation of outreach materials, participant tracking, and one-on-one design assistance. Note: classes may be virtual in 2022)	Introduction Materials = $1,700 Design Materials = $3,400 Maint. Materials = $1,700
Water Stewards Program • Coordinate with Freshwater Society Staff on program content; provide outreach on program to public; coordinate with participants on program. • Provide tour of LMRWMO for participants. • Attend classes as necessary. • Assist participants in implementing capstone projects. • Coordinate volunteer opportunities for participants.	48 hours @ $85/hour = $4,080
General Education • Respond to public education requests for information. • Coordinate design of template signage for water resource projects in Inver Grove Heights. • Provide educational materials for use by member cities.	65 hours @ $85/hour = $5,525
Website Updates and Maintenance • Update LMRWMO website with meeting minutes, agendas, project information, Board information, water monitoring information, and other information as necessary. • Larger website update/re-configuration by consultant • Website hosting fee.	20 hours @ $85/hour = $1,700 Website Update/Re-Do = $4,000 Hosting = $965
Subtotal	**$23,070**

TASK - TECHNICAL ASSISTANCE	COST ESTIMATE
Plan Review, WMO Plan Implementation, Project Management • At Board's request, review and comment on wetland issues, local water plans, EISs, EAWs, etc. • Coordinate plan implementation activities. • Manage consultants for WMO plan studies and projects.	58 hours @ $85/hour = $4,930
Cost Share Program – Landscaping for Clean Water • Technical assistance for project implementation. • Provide cost share to landowners for up to 16 Landscaping for Clean Water projects (raingardens, native plantings and shoreline stabilization) consistent with SWCD policies.	Technical Assistance = $8,000 Landowner Incentives: $250/project x 16 projects = $4,000
Subtotal	**$16,930**

TASK – WATER MONITORING	COST ESTIMATE
CAMP Fee for Three Lakes • 7 sampling events for 7 sites (5 lakes, 2 streams), June-Sept. • 14 sampling events for 1 site (Lake Augusta), June-Sept. • Laboratory costs for analysis of chlorophyll-*a* and total phosphorus samples.	CAMP Program Fee: $380 x 6 sites = $2,660 $760 x 1 sites = $760
Data Management & Volunteer Coordination • Establishing project with Metropolitan Council. • Entering and submitting data to Metropolitan Council. • Create yearly monitoring summary memo for LMRWMO Board and volunteers. • Establish volunteers for each lake, coordinate training. • Coordinate pickup and drop off of monitoring samples.	38 hours @ $85/hour = $3,230
Water Monitoring (as needed if volunteers are unable to perform) • 2 potential sampling events, June through September. • Field measurements including Secchi transparency and field observations. • Travel to and from monitoring site.	(3 hours per event x 2 sampling events x 2 staff) 12 hours @ $85/hour = $1,020
Thompson Lake Chloride Water Monitoring • 2 potential sampling events. • Field measurements and water sample collection. • Travel to and from monitoring site.	(4 hours per event x 2 sampling events x 2 staff) 16 hours @ $85/hour = $1,360
Subtotal	**$9,030**

TOTAL AGREEMENT NOT TO EXCEED $84,930

resourceful. naturally.
engineering and environmental consultants

BARR

Memorandum

To: Lower Mississippi River Watershed Management Organization Board of Managers
From: Greg Williams and Joe Barten
Subject: LMRWMO Plan Update – Review of existing LMRWMO Strategies and Policies
Date: October 7, 2021
Project: 23191436.00

Lower Mississippi River Watershed Management Organization (LMRWMO) identifies goals, strategies, and policies in Section 5 of its 2011 Watershed Management Plan. Goals, strategies, and policies are briefly defined in the Plan as:

Goals: Desired outcomes to help achieve the vision of the LMRWMO and the purposes of this plan.

Strategies: Activities the LMRWMO will undertake to help achieve their goals.

Policies: Standards that have been developed that require specific action of the member cities to help achieve the goals of the LMRWMO.

As part of the fourth generation Plan update, the Board of Managers will revise the goals, strategies, and policies to reflect the organization's desired outcomes and the types of actions and roles, generally, the organization and its member cities will use to achieve them. As an initial step in this process, Barr Engineering Co. (Barr) has reviewed the existing strategies and policies in the Plan and identified them according to the following system:

Green highlight: recommended including in the Plan with minimal update/modification

Yellow highlight: recommend including in the Plan with moderate/significant update

Gray highlight: recommend omitting from the Plan (or moving to new Plan section)

Red text has been used to add additional notation relating to the above classification. This review of existing strategies and policies is intended as a starting point to the Board to discuss strategies and policies both generally (e.g., organization, level of detail regarding City stormwater standards) and specifically (i.e., content of individual policies). Board discussion may also identify gaps in the existing strategies/policies (e.g., climate adaptation, chloride pollution).

Requested Manager Action:

Review the initial assessment of strategies and policies and provide input at the October 14, 2021 Board of Managers meeting.

Section 5 of Existing Plan reviewed for Strategy and Policy updates

Green = remain with minimal update
Yellow = recommend updating
Gray = recommend omitting/deleting
Red text = notes regarding revision/omission

5.0 Goals, Strategies, and Policies

The WMO has developed a number of purposes for the management of the watershed and its water resources. These purposes have been developed to be consistent with the vision of the WMO, as well as, to meet the requirements of the Metropolitan Surface Water Management Act. In addition, many goals, strategies, and policies have been outlined to help achieve the purposes of the 3rd Generation Watershed Management Plan.

5.1 Watershed Management Purposes

5.1.1 Lower Mississippi River WMO Purposes (3rd Generation)

The WMO developed the following vision statement on December 23, 2009:

"Water resources and related ecosystems are managed to sustain their long-term health and integrity through member city collaboration and partnerships with other water management organizations with member city citizen support and participation."

The general purposes for the 3rd Generation Plan include the following purposes consistent with the Metropolitan Surface Water Management Act and Minnesota Statutes 103B.201.

- Protect, preserve, and use natural surface and groundwater storage and retention systems.
- Minimize public capital expenditures needed to correct flooding and water quality problems.
- Identify and plan for means to effectively protect and improve surface water and groundwater quality.
- Establish more uniform local policies and official controls for surface and groundwater management.
- Prevent erosion of soil into surface water systems.
- Promote groundwater recharge.
- Protect and enhance fish and wildlife habitat and water recreational facilities.
- Secure other benefits associated with the proper management of surface water and groundwater.

In addition, the WMO has developed the following purposes:

- Assist member cities in achieving current and future water quality and water quantity regulations collaboratively, equitably, and cost-effectively for all members within the watershed.
- Identify and effectively communicate member concerns to other government jurisdictions to better align their policies and activities with those of the WMO and its members.
- Educate citizens about the use, protection, and management of water resources and engage them in WMO water management programs and decision making.
- Consider potential impacts of WMO decisions on natural resources and habitat.
- Govern the WMO with a citizen-led Board and keep regulation at the local level – the WMO will not administer a permit program.
- Assist member communities with *intercommunity* runoff and water resource management issues. The WMO, at the discretion of the Board, may also work with individual member cities to address water resource issues within individual city boundaries. This may include, but is not limited to, monitoring of water bodies or outlets to the Mississippi River.

Section 5 of Existing Plan reviewed for Strategy and Policy updates

Green = remain with minimal update
Yellow = recommend updating
Gray = recommend omitting/deleting
Red text = notes regarding revision/omission

- Assess performance of the WMO and the member cities toward achieving the goals stated in this plan.
- Provide member cities with useful information about the WMO, its activities, and water resource management.

To achieve the purposes of the WMO, the following goals, strategies, and policies have been developed for water quantity, water quality, recreation, fish and wildlife habitat, wetlands, groundwater protection, erosion and sedimentation, education, and administration.

WMO Goals: Desired outcomes to help achieve the vision of the WMO and the purposes of this plan.

WMO Strategies: Activities the WMO will undertake to help achieve their goals.

WMO Policies: Standards that have been developed that require specific action of the member cities to help achieve the goals of the WMO.

These goals, strategies, and policies have been developed to complement member city, county, regional, and state goals and policies. Pursuant to State Statute, member cities shall update their local plans (if necessary) within two years of WMO adoption of this plan.

An implementation plan has been developed that outlines the estimated completion dates and timelines of the WMO's measurable outcomes and activities. The implementation plan is located in **Section 6**.

5.2 Water Quantity

The WMO recognizes the importance of minimizing effects of development and redevelopment to reduce existing and avoid future water resource problems. The following goals and policies have been developed to address volume control, rate control, flooding, and other water quantity related issues.

5.2.1 WMO Goals

A. Reduce stormwater runoff volumes by increasing infiltration and ground water recharge.

B. Reduce existing flood occurrences and minimize future flood potential throughout the WMO.

5.2.2 WMO Strategies

A. The WMO will establish stormwater volume reduction requirements taking into consideration variable development and redevelopment conditions. This may include establishing LID policies to provide increased volume control for development and redevelopment projects. (Goal 5.2.1 A, Goal 5.2.1 B) Revise to reflect intended performance standard – consider a volume-based standard for consistency with NPDES permit.

B. The WMO will continue to use the previously established intercommunity "design flows" (stormwater flow rates that the stormwater management system is expected to convey with fully developed conditions in the watershed) as the design parameters for downstream improvements. The WMO will also continue to use the previously established "allowable flows" (stormwater flow rate that an upstream community can discharge to a downstream community without incurring financial obligation

for the stormwater system in the downstream community) as the basis for determining the financial obligation of member cities for intercommunity flooding and erosion control projects. Refer to **Appendix B** for the joint powers agreement and memoranda regarding established intercommunity design flow (allowable flow). (General Water Quantity)

C. The WMO will coordinate intercommunity stormwater runoff design and planning with the member communities by:

- Reviewing the member cities' local watershed management plans for consistency with WMO goals and consistency with intercommunity planning.
- Calculating the cost apportionment between cities for water resources projects with intercommunity participation. (General Water Quantity)

D. The WMO will consider practicable solutions when involved with intercommunity water resources planning activities.

- All drainage studies or feasibility studies (whether by the WMO or a city) for projects in a subwatershed with intercommunity drainage, shall consider the impact of the project and the total intercommunity project cost.
- Any projects with intercommunity drainage issues shall not be implemented without prior completion of a feasibility study outlining improvement options and adoption of a preferred option by the WMO, except in emergencies. (General Water Quantity)
  Consider omitting as strategy and noting process in the Implementation section.

5.2.3 WMO Policies

A. Member cities are to reduce the amount of impervious surfaces through the use of Low Impact Development (LID) techniques to the greatest extent reasonable for new development and redevelopment projects, taking into consideration land use, zoning, topography, previous site uses, and site constraints. LID techniques may include, but are not limited to, those presented on the MPCA-Low Impact Development website, http://www.pca.state.mn.us/water/stormwater/stormwaterlid.html. (Goal 5.2.1 A, Goal 5.2.1 B) Consider revising to describe LMRWMO's role in promoting and encouraging LID

B. Member cities will not be allowed to use infiltration as a stormwater BMP in areas where there are known contaminants or in drinking water supply management areas/wellhead protection areas. In addition, infiltration will not be encouraged where the soils are not suitable for infiltration or in areas where there is less than three feet of separation between the bottom of the infiltration system and the groundwater or bedrock. In-situ field tests shall be required to verify the infiltration rates of on-site soils prior to the construction of infiltration BMPs. (Goal 5.2.1 A, Goal 5.6.1 A) Consider revising to reflect existing infiltration guidance.

C. Member cities are to provide pretreatment of stormwater prior to discharge to any new infiltration system to protect the functionality of the system. Pretreatment shall collect sediment, skim floatables, and be easily accessed for inspection and maintenance. (Goal 5.2.1 A, Goal 5.6.1 A) Consider omitting as required per design guidance for infiltration systems.

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D. The level of protection along all trunk conveyors, streams, and channels and around all wetlands, ponds, detention basins, and lakes shall be based on the critical duration 100-year event, which shall be defined as the 100-year, 24-hour rainfall or the 100-year, 10-day runoff event; whichever is greater. (Goal 5.2.1 B) Consider revising or omitting this as it may not be achievable based on precipitation trends (i.e., systems originally meeting this may no longer meet this standard).

E. Design of new trunk stormwater systems should provide discharge capacity for the critical-duration runoff event that is not less than a 10-year frequency event. For open channel conveyance construction, the design criteria shall be for the critical 100-year event. Variances to this standard may apply in areas where in-place storm sewers are designed for a 5-year frequency event. (Goal 5.2.1 B) Consider omitting storm sewer design criteria as member cities already design around this to the extent possible.

F. Design of new non-trunk stormwater systems should provide discharge capacity for the critical-duration runoff event that is not less than a 5-year frequency event, preferably a 10-year frequency event (level of service). Where the planned level of service would cause hardship in operation of a downstream system, the owner may design for a lesser level of service if the following circumstances are present:

- The proposed new or replacement system will not have a longer life than that of the existing downstream system.
- It is not practical to incorporate temporary measures into the new system to mitigate the effects of the new system on the downstream system. (Goal 5.2.1 B) Consider omitting storm sewer design criteria as member cities already design around this to the extent possible.

G. Member cities are to ensure that proposed development, redevelopment, and/or infrastructure projects will not exceed the capacity of the existing downstream stormwater drainage system. (Goal 5.2.1 B) Consider revising to reflect LMRWMO's interest in potential scenarios – member cities already require rate control. Is LMRWMO concerned about potential variances?

H. Member cities are to incorporate emergency overflow structures (e.g., swales, spillways), where feasible, into pond outlet structure designs to prevent undesired flooding resulting from storms larger than the 100-year (one percent) event or plugged outlet conditions. (Goal 5.2.1 B) City design standards already require this.

I. Member cities are to maintain ordinances or policies that allow the cities to secure easements over floodplains, detention areas, wetlands, ditches, and all other parts of the stormwater system as areas develop or redevelop. (Goal 5.2.1 B)

J. Member cities are to incorporate multi-stage outlets into their pond designs to control flows from smaller, less frequent storms and help maintain base flows in downstream open channels, where practicable. (Goal 5.2.1 B)

K. Member cities are to maintain ordinances or policies that set minimum building elevations at least one foot above the critical 100-year flood elevation for structures adjacent to inundation areas. The cities should consider the effects of events larger than the 100-year flood when setting minimum building elevations. Higher minimum building elevations should be considered for structures adjacent to

ponding areas with large tributary watersheds and for structures adjacent to landlocked basins. (Goal 5.2.1 B) Consider potential revisions to minimum building elevations.

L. The WMO establishes the following policies regarding landlocked basins:

- The flood levels established in local (city) watershed management plans shall take into consideration the effects of water level fluctuations on trees, vegetation, erosion and property values. Steeply sloped shorelines that are subject to slope failure and shoreline damage should not be in contact with flood water for extended periods of time. (Goal 5.2.1 B)
- Only the existing tributary area may discharge to a landlocked basin, unless provision has been made for an outlet from the basin, or hydrologic analysis has been completed showing additional discharge to basin is acceptable. The form of outlet may range from temporary pumps to gravity storm sewers. The outlet is to be in place before increased water levels are likely to affect vegetation, slope stability and adjacent properties. (Goal 5.2.1 B)
- If outlets from landlocked basins are needed, member cities are encouraged, where practicable, to keep outflow rates low enough to allow for as much infiltration as possible. Drawdown time to within one foot of the normal water level should not exceed 48 hours to reduce damage to upland vegetation. (Goal 5.2.1 B)
- When member cities establish high water elevations and whether outlets are needed for landlocked basins, member cities are encouraged, where practicable, to account for long duration events, such as multiple-year wet cycles and high runoff volume events (e.g., snowmelt events that last for many weeks). (Goal 5.2.1 B)
- Member cities need to consider both the water quality and flooding impacts of proposed outlets from landlocked basins on downstream water resources. (Goal 5.2.1 B) Consider revising based on consistency with current city practice (especially IGH)

M. Member cities are to require developers to provide Runoff Control Plans prepared by a licensed professional engineer for projects that disturb one or more acres of land. The Runoff Control Plan shall incorporate best management practices (BMPs) and shall conform to approved local water management plans.

Runoff Control Plans shall include the following:

a. Property lines and delineation of lands under ownership of the project proposer.
b. Delineation of the subwatersheds contributing runoff from off-site, and proposed and existing subwatersheds on-site.
c. Location, alignment and elevation of proposed and existing stormwater facilities.
d. Delineation of existing on-site wetlands, shoreland and/or floodplain areas. Removal or disturbance of streambank and shoreland vegetation should be avoided. The plan shall address how unavoidable disturbances to this vegetation will be mitigated.
e. Existing and proposed normal, 5-year (or 10-year) and 100-year water elevations on-site.
f. Existing and proposed site contour elevations related to the North American Vertical Datum (NAVD) of 1988.
g. Construction plans and specifications of all proposed stormwater management facilities.
h. Stormwater runoff volume and rate analyses for existing and proposed conditions.

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i. All hydrologic and hydraulic computations completed to design the proposed stormwater quantity and quality management facilities.
j. Provision of outlots or easements for maintenance access to detention basins, constructed wetlands and other stormwater management facilities.
k. Maintenance agreement between developer and city which addresses sweeping, pond inspection, sediment removal and disposal, etc.
l. Documentation indicating conformance with the city's existing local water management plan.
m. Inlets to detention basins, wetlands, etc. shown at or below the normal water level.
n. Identification of receiving water body.

Consider omitting as too detailed for Plan policy and redundant to City/NPDES control plan requirements

Runoff Control Plans shall meet the following criteria:

- The peak rate of stormwater runoff from the developed subwatershed of the site shall not exceed the existing peak rate of runoff for the 5-year (or 10-year) and the 100-year return frequency critical duration storm events (encouraged to maintain the runoff rate for the 2-year storm event as well). For the purposes of this criteria, "subwatershed" may be the project site, or may be an area of greater size for which an approved local water management plan meets this criteria (e.g., regional detention basins).
- A hydrograph method based on sound hydrologic theory shall be used to analyze stormwater runoff for the design or analysis of flows in conveyors, streams, and channels and flows to ponds and wetlands. Consider omitting as redundant to city practice
- Reservoir routing procedures and critical duration 100-year runoff events shall be used for design of detention basins and outlets. (Goal 5.2.1 B) Consider omitting as redundant to city practice

5.3 Water Quality

There are many water bodies throughout the WMO that are valuable resources to the people of the area. The following goals and policies have been developed to maintain or improve water quality in surface waters throughout the WMO.

5.3.1 WMO Goals

A. Evaluate and track water quality trends within the WMO.

B. Improve intergovernmental coordination regarding water quality management within the WMO.

C. Improve water quality within the WMO.

5.3.2 WMO Strategies

A. The WMO will assist member cities in creating an equitable and cost-effective method to address the requirements of the South Metro Mississippi TMDL study and implementation plan and other TMDLs as they are completed. (Goal 5.3.1 B) – Suggest revising to assisting member cities, as feasible, in WQ projects that contribute to TMDL load reductions.

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B. The WMO will continue to focus on the water quality of intercommunity water bodies. The WMO, at the discretion of the Board, may also work with individual member cities to address water quality issues within individual city boundaries. (Goal 5.3.1 C) – replace with waterbody priority

C. The WMO will investigate the possibility of coordinating joint member contracts for maintenance to achieve economies of scale. Post construction stormwater management and good housekeeping practices for MS4 stormwater facilities shall comply with MPCA/MS4 requirements. (Goal 5.3.1 B) – Implementation activity, if continued.

D. The WMO will monitor DNR protected water bodies. Prioritization of water bodies for monitoring will be determined annually and by the WMO budget. Monitoring data from CAMP (Citizen Assisted Monitoring Program), WHEP (Wetland Health Evaluation Program), and CSMP (Citizen Stream Monitoring Program) should be taken into consideration so monitoring information is not being duplicated. (Goal 5.3.1 A) – revise to reflect monitoring of priority waterbodies

E. The WMO will monitor select storm sewers and streams that outlet to the Mississippi River. Prioritization of storm sewers and streams will be determined annually and by the WMO budget. Monitoring parameters should be consistent with downstream impairments and may be modified at the discretion of the Board. Possible parameters include: Total Phosphorus, PCBs (Polychlorinated biphenyls), PFOS (Perfluorooctane sulfonate), Fecal Coliform, Turbidity, and Dissolved Oxygen. (Goal 5.3.1 A) – Consider as implementation? Combine with other monitoring strategy?

F. The WMO shall attempt to develop a water quality cost allocation formula for intercommunity projects by the year 2015. In the interim, the WMO will address each project individually. (Goal 5.3.1 B) – Done, will use it.

G. The WMO requires MnDOT, Ramsey County, Dakota County, and other governmental agencies to meet the water quality treatment requirements outlined in this plan for runoff leaving their right-of-way, facilities, or easements. Regular maintenance of their stormwater facilities shall also be performed. (Goal 5.3.1 B)

H. The WMO will recruit volunteers, through the use of its CAC, and encourage member cities to recruit volunteers to participate in the WMO's monitoring activities. Where necessary, volunteers would be provided training on MPCA-accepted protocol to ensure that the data is acceptable for the MCPA EQUIS Database. (Goal 5.3.1 A) - combine with general monitoring strategy?

I. The WMO will use a similar water body classification system to that of the MPCA. – address in policy with standards/classifications

Table 5-1 will be used to help classify water bodies as deep lakes, shallow lakes, wetlands, and ponds. The pond column has been added to the MPCA's table by the WMO to provide a classification for water bodies that may be considered ponds. The classification system determines whether a water body should be managed as a deep lake, shallow lake, wetland, or pond. For water bodies classified as wetlands, member cities must use a wetland management classification system that considers the susceptibility of the wetlands to degradation by stormwater. The WMO requires the member cities use a wetland classification system that ranks the wetlands and sets wetland management standards based on the rank and desired level of protection. (Goal 5.3.1 A, Goal 5.3.1 C)

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Table 5-1: Factors Used to Classify Deep Lakes, Shallow Lakes, Wetlands, and Ponds

Factor	Deep Lakes	Shallow Lakes	Wetlands	Ponds
Public Waters Inventory Code	Typically coded as "L or LP" in PWI	May be coded as either "L, LP or LW" in PWI	Typically coded as "LW" in PWI	May be coded as either "L, LP or LW" in PWI
Depth, max.	Typically > 15 feet	Typically < 15 feet	Typically <7 feet	Typically <10 feet
Littoral area	Typically < 80%	Typically >80%	Typically 100%	Typically 100%
Area (min.)	> 10 acres (Bulletin 25)	> 10 acres (Bulletin 25)	No minimum	No minimum
Thermal stratification (summer)	Stratification common but dependent upon depth	Typically do not stratify	Typically do not stratify	Typically do not Stratify
Fetch	Significant fetch depending on size & shape	Fetch is variable depending on size & shape	Rarely has a significant fetch	Rarely has a significant fetch
Substrate	Consolidated sand/silt/gravel	Consolidated to mucky	Mucky to unconsolidated	Variable
Shoreline features	Generally wave formed, often sand, gravel or rock	Generally wave formed, often sand, gravel or rock	Generally dominated by emergents	Generally dominated by emergents
Emergent vegetation & relative amount of open water	Shoreline may have ring of emergents; vast majority of basin open water	Emergents common, may cover much of fringe of lake; basin often has high percentage of open water	Emergents often dominate much of basin; often minimal open water	Emergents common, may cover much of fringe of pond; basin often has high percentage of open water
Submergent vegetation	Common in littoral fringe, extent dependent on transparency	Abundant in clear lakes; however may be lacking in algal dominated turbid lakes	Common unless dominated by an emergent like cattail	Common unless dominated by an emergent like cattail
Dissolved Oxygen	Aerobic epilimnion; hypolimnion often anoxic by midsummer	Aerobic epilimnion but wide diurnal flux possible	Diurnal flux & anaerobic conditions common	Variable
Fishery	Typically managed for a sport/game fishery. May be stocked. DNR fishery assessments typically available	May or may not be managed for a sport fishery. If so, fishery assessment should be available. Winter aeration often used to minimize winterkill potential	Typically not managed for a sport fishery. Little or no DNR fishery information. Seldom aerated. May be managed to remove fish & promote waterfowl	Not managed for a sport fishery

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Uses	Uses Wide range of uses including boating, swimming, skiing, fishing; boat ramps & beaches common	Boating, fishing, waterfowl production, hunting, aesthetics; limited swimming; may have boat ramp, beaches uncommon	Waterfowl & wildlife production, hunting, aesthetics. Unimproved boat ramp if any. No beaches	Typically manmade basins. Important for flood protection and runoff pollutant removal
Note: This table was developed by the MPCA and is located in the *Guidance Manual for Assessing the Quality of Minnesota Surface Waters.* The "Ponds" column was added by the WMO for the purposes of this Plan. It is important to note that the MPCA does not have a pond classification.				

Table 5-2 shows the WMO's water quality goals based on classification.

Table 5-2: Water Quality Goals for Classified Water Bodies in the WMO

Classification	TP (ppb)	Chl-a (ppb)	Secchi (meters)
Deep Lakes	≤ 40	≤ 14	≥ 1.4
Shallow Lakes	≤ 60	≤ 20	≥ 1.0
Wetlands	NA	NA	NA
Ponds	NA	NA	NA
Note: The water quality goals shown in this table are consistent with the goals shown in the MPCA's *Guidance Manual for Assessing the Quality of Minnesota Surface Waters.*			

5.3.3 WMO Policies

A. Member cities shall require a 50% total phosphorus removal from runoff leaving new development and redevelopment projects that exceed one acre of land disturbance (for this policy, mill and overlay and pavement rehabilitation projects are not considered land disturbance). For areas that discharge directly to the Mississippi River or to an impaired water body for which a TMDL has been completed, the findings of the TMDL may replace this requirement (whether more or less stringent).

The required reduction of total phosphorus may be accomplished through the use of regional or on-site stormwater BMPs such as: ponds, NURP (National Urban Runoff Program) basins, infiltration basins, biofiltration, vegetated swales, mechanical devices, porous pavements, or any other techniques effective at phosphorus reduction. (Goal 5.3.1 C) – Not consistent with cities. Consider something more closely aligned with MCPA, MIDS, or City standards.

B. Linear construction projects should meet policy 5.3.3A where possible and feasible. Linear projects will be required to meet NPDES Construction Permit requirements. (Goal 5.3.1 C) Suggest addressing in above policy via a design flow sequence

C. For stormwater discharge points/outfalls that did not exist prior to the adoption of this plan: member cities are to provide pretreatment of stormwater prior to its discharge to wetlands and other water resources. Pretreatment shall collect sediment, skim floatables, and be easily accessed for inspection and maintenance. (General Water Quality) believe this is required by MS4

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D. For replacement discharge points/outfalls or existing stormwater discharge points/outfalls: the WMO encourages member cities to provide pretreatment of stormwater prior to its discharge to wetlands and water resources. (General Water Quality) suggest replacing with broader redevelopment policy

5.4 Recreation, Fish and Wildlife Habitat

The WMO has many natural areas that are popular recreation sites and provide excellent fish and wildlife habitat. The following goals and policies have been developed to enhance water based recreational opportunities and protect and improve fish and wildlife habitat. In addition, many of the other goals, strategies, and policies outlined throughout **Section 5** will result in improved recreational opportunities and fish and wildlife habitat.

5.4.1 WMO Goals

A. Protect and enhance fish and wildlife habitat and recreation opportunities and maintain shoreland integrity.

5.4.2 WMO Strategies

A. The WMO will promote and encourage protection of non-disturbed natural shoreland areas and restoration of disturbed shorelines and streambanks to their natural state through participation in Blue Thumb or other educational programs. (Goal 5.4.1 A) revise to update programs? Will efforts be limited or prioritized based on waterbody priority?

B. The WMO supports water quality improvements in order to maintain or improve water quality and the habitat consistent with intended use and classifications of lakes, streams, wetlands, and ponds. (Goal 5.4.1 A, Goal 5.5.1 A) revise to clarify what type of support, when?

C. The WMO will encourage the appropriate development of access to water bodies for recreation and education. (Goal 5.4.1 A) revise or cut depending on how WMO wants to support access/recreation?

5.4.3 WMO Policies

A. The WMO requires member cities to consider landscape designs for projects located in close proximity to natural areas or greenways to:

1) increase beneficial habitat, wildlife and recreational uses; promote infiltration and vegetative water use; and

2) decrease detrimental wildlife uses (such as beaver dams, goose overabundance) that damage water control facilities, shoreline vegetation, water quality or recreational facilities. (Goal 5.4.1 A, Goal 5.5.1 A)

B. The WMO requires member cities to prioritize shoreland areas for restoration. Shoreland areas include streambanks and lakeshore areas. The cities will be required to address this issue in their local watershed management plans. (Goal 5.4.1 A) – move to strategy to work with cities?

C. Member cities are required to maintain a shoreland ordinance that is, at a minimum, in conformance with the requirements of the Minnesota DNR. (Goal 5.4.1 A)

D. The WMO requires member cities within the Mississippi River Critical Corridor Area/Mississippi National River Recreation Area (MRCCA/MNRRA) to conform to the current rules for areas within the MRCCA/MNRRA. (Goal 5.4.1 A)

5.5 Wetlands

There are many wetlands located throughout the WMO that provide wildlife habitat and offer a natural method of conveying and storing stormwater. The following goals and policies have been developed to manage existing wetlands and restore drained wetlands where possible.

5.5.1 WMO Goals

A. Enhance or protect wetlands from the adverse impacts of development and redevelopment.

5.5.2 WMO Strategies

A. The WMO will continue to support member city management efforts to improve wildlife habitat, aesthetic enjoyment, and other public uses of wetlands adjacent to parks. (Goal 5.5.1 A, Goal 5.4.1 A) Should clarify what types of support the WMO offers. What will LMRWMO do vs Cities?

B. The WMO will continue in the support of wetlands for inclusion in Wetland Health Evaluation Program (WHEP).(Goal 5.5.1 A) Are there wetlands still being monitored via WHEP?

5.5.3 WMO Policies

A. Member cities are the local governmental units (LGUs) responsible for administering the Wetland Conservation Act (WCA). MnDOT is the LGU for the WCA on its rights-of-way. (Goal 5.5.1 A)

B. An average 15 foot buffer of natural vegetation above the 100-year High Water Level (if established) or wetted boundary is required by the WMO around lakes, streams, and wetlands, upon new or redevelopment projects that exceed one acre in land disturbance (for this policy, mill and overlay and pavement rehabilitation projects are not considered land disturbance). (Goal 5.5.1 A, Goal 5.4.1 A) Many member cities have more stringent buffer standards. Suggest revising to reflect more stringent buffer standards, or at minimum delegate buffer limits to cities based on MnRAM (or similar) classification but no less than XX feet.

C. Member cities are to inventory, classify and determine the functions and values of wetlands, either through a comprehensive wetland management plan or for development or redevelopment projects that exceed one acre. For cities facing significant development or redevelopment, the WMO recommends that they complete comprehensive wetland management plans. The cities could complete the plans in phases, focusing on the areas where the information is most needed, such as areas within the 2030 MUSA. They should do this either as part of their local watershed planning process or as an implementation task identified in the local plan. Member cities shall submit their comprehensive wetland management plans to the WMO for review and comment. (Goal 5.5.1 A, Goal 5.4.1 A) This requires member cities to classify wetlands in comprehensive plan or as part of project permitting; this reflects current city practice.

D. The WMO requires that member cities use a wetland classification system that ranks the wetlands and sets wetland management standards based on the rank and desired level of protection (e.g. highest

to lowest protection). The wetland management standards should include buffer strip width, structural setback distance from buffer strip, amount of pretreatment required for phosphorus removal, storm bounce restrictions, and susceptibility of the wetlands to degradation by stormwater inputs. (Goal 5.5.1 A) Consider omitting as this is covered by buffer policy and city zoning codes. Pretreatment is required for discharges per NPDES permit. Stormwater bounce restrictions are not widely implemented, and the guidance was never formally adopted by the state.

5.6 Groundwater Protection

The WMO recognizes the importance of groundwater on its drinking water sources and the overall hydrology of the area. The following goals and policies have been developed to protect groundwater quality and supply throughout the WMO.

5.6.1 WMO Goals

A. Protect groundwater resources within the WMO.

5.6.2 WMO Strategies

A. The WMO will work to improve the quality and availability of groundwater data. In addition, the WMO will coordinate with other agencies to identify sources or potential sources of groundwater pollution. (Goal 5.6.1 A) Revise to clarify the role of the LMRWMO. What types of actions will the LMRWMO perform?

B. The WMO will advocate for larger scale State monitoring and evaluation of LID (Low Impact Development) techniques on groundwater. (Goal 5.6.1 A) Suggest omitting from policy and including as an activity, if desired, in implementation.

C. The WMO will support the policies in the Dakota County and Ramsey County groundwater plans. (Goal 5.6.1 A) Revise to clarify roles from updated Dakota GW Plan

5.6.3 WMO Policies

A. Member cities are to encourage groundwater recharge and are required to protect recharge areas from potential sources of contamination. The cities should also provide increased green space, native vegetation, and pond “dead” storage, wherever possible and appropriate, to allow for the infiltration of stormwater runoff and promote groundwater recharge. (Goal 5.6.1 A, Goal 5.2.1 A) Suggest combining with Policy C and referencing the extensive existing guidance about use and protection if infiltration areas.

B. Member cities responsible for wellhead protection plans should follow the requirements outlined in those plans for managing groundwater within wellhead protection areas. (Goal 5.6.1 A)

C. The WMO encourages its member cities to use stormwater BMPs (such as grassed waterways, biofiltration, porous pavements, etc.) to maximize infiltration, where feasible and not detrimental to groundwater supplies. (Goal 5.6.1 A, Goal 5.2.1 A) Suggest combining with Policy A and referencing the extensive existing guidance about use and protection if infiltration areas.

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D. Each WMO member city is to maintain updated records of all known on-site septic systems and prohibit installation of new individual sewer systems or alteration, repair or extension of existing systems when connection can be made to the city sanitary sewer system. The cities are to notify property owners with on-site septic systems that they are required to connect to the cities' sanitary sewer, if available.

The cities are to also develop management programs and ordinances for subsurface sewage treatment systems (SSTS) that are consistent with MPCA standards and Minnesota Rules 7080 to 7083. (Goal 5.6.1 A) Suggest omitting based on assumption that LMRWMO will not be assuming a role for SSTS management.

E. Member cities should work with their counties in effort to promote awareness of groundwater resource issues through public education and information programs. (Goal 5.6.1 A, Goal 5.8.1 B) Suggest revising to incorporate role of LMRWMO and specific outreach opportunities, if applicable.

F. Member cities are to support the policies in the Dakota County and Ramsey County groundwater plans. Update to included city-specific cooperative actions from the Dakota GW Plan.

5.7 Erosion and Sedimentation

Erosion and sedimentation cause surface water quality degradation, habitat damage, and other water resource issues. The following goals and policies have been developed to prevent and minimize sedimentation from areas prone to erosion.

5.7.1 WMO Goals

A. Minimize erosion, sedimentation, stream degradation, and related issues within the watershed.

5.7.2 WMO Strategies

A. The WMO shall address intercommunity erosion and sediment control issues. (Goal5.7.1 A) Revise to clarify the role and potential activities LMRWMO will take to address intercommunity erosion issues? Will this be limited to intercommunity, or consider priority waters (e.g., erosion of MS river ravines?)

B. The WMO will facilitate joint certification training for member city staff on designing and inspecting erosion control plans and inspecting erosion control measures. (Goal 5.7.1 A, Goal 5.8.1 A) Consider omitting if this strategy has not been pursued. MPCA or others may be more suited to this role?

C. The WMO will coordinate/conduct non-certification training for "other" city staff (streets, parks, building inspections) to address items in MS4 permit (e.g. mowing and erosion control). (Goal 5.7.1 A, Goal 5.8.1 A) Consider omitting if this strategy has not been pursued. MPCA or others may be more suited to this role?

5.7.3 WMO Policies

A. Member cities must adopt, administer, implement and enforce ordinances addressing erosion and sediment control, including the permitting and inspection of such controls. The ordinance must be in conformance with the NPDES standards, at a minimum. The WMO suggests that the cities use the MPCA's model ordinance, which covers overall stormwater management. (Goal 5.7.1 A)

Section 5 of Existing Plan reviewed for Strategy and Policy updates

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Yellow = recommend updating
Gray = recommend omitting/deleting
Red text = notes regarding revision/omission

B. Member cities are to require erosion control plans for land development and construction work that will disturb one or more acres of land. Local watershed management plans and city ordinances are to include the requirements and procedures for reviewing, approving and enforcing the erosion control plans. Erosion Control Plans shall be prepared by a qualified individual and shall conform to the MPCA's NPDES General Permit to Discharge Stormwater from Construction Sites.

The erosion control plan shall also conform to all future NPDES stormwater regulations that apply to erosion control. (Goal 5.7.1 A). Consider omitting as redundant to MPCA general construction stormwater permit and MS4 requirements. LMRWMO may consider including something similar encouraging or requiring plans for sites that would not trigger NPDES permit.

C. Acceptable erosion in drainage ways is limited to that which causes no net degradation of the watercourse or destruction of properties adjacent to the watercourse.

- Measures to alter the natural course and meandering of streams will be discouraged, except when foreseeable erosion threatens to damage structures, utilities or natural amenities, or impair the drainage system.
- Land use adjacent to watercourses shall be regulated to allow for the reasonably expected natural behavior of streams. (Goal 5.7.1 A)

Policy needs to be revised to clarify means of application/enforcement (since WMO does not review projects)? "Acceptable" implies a requirement, but policy references both voluntary action and regulation. Public waters are already regulated with respect to these items.

D. Design of stream bank stabilization and streambed control measures should consider unique or special site conditions, energy dissipation potential, adverse effects, preservation of natural processes and habitat, and aesthetics, in addition to standard engineering and economic criteria. (Goal 5.7.1 A)

5.8 Public Participation and Education

The WMO desires to foster responsible water quality management practices by educating residents, business owners, member city staff, elected officials, and developers about proper water resource management. It is important for these audiences to recognize their role in responsible water resource management in their homes, businesses, and practices, to help preserve and improve the resources present within the WMO. The following goals and policies have been developed to increased public participation and provide improved awareness on water resource issues throughout the WMO.

5.8.1 WMO Goals

A. Expand the WMO's education and public involvement efforts to provide more assistance to the member cities.

B. Increase public awareness of human impacts on water quality and habitat and explore ways to increase active citizen involvement.

5.8.2 WMO Strategies

A. The WMO will develop and use email lists to communicate WMO activities, information, and announcements. (Goal 5.8.1 A, Goal 5.8.1 B) Update to include additional communication media

Section 5 of Existing Plan reviewed for Strategy and Policy updates

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B. The WMO will develop appropriate, targeted educational content regarding water resource issues to be used by member cities for distribution to and use by various citizen groups such as: homeowners and renters; youth groups; and community groups such as Rotary, Lions, Kiwanis, ROMA (Responsible Owners and Managers Organization), WSCO (West Side Citizens Organization), All Around the Neighborhood, Chamber of Commerce, etc. The WMO will also utilize water resource materials to educate the public at community events and festivals throughout the WMO. (Goal 5.8.1 A, Goal 5.8.1 B)

C. The WMO will maintain the WMO website to communicate watershed news, events, and other water resource information. WMO website address shall be included on all distributed material and will be updated regularly to serve as an additional source for watershed information(Goal 5.8.1 A, Goal 5.8.1 B)

D. The WMO shall seek citizen involvement to assist in the monitoring of water bodies or outlets (storm sewer or streams) to the Mississippi River. CAMP, WHEP, and CSMP are three programs that currently monitor water bodies in the WMO. The WMO shall solicit citizens (starting with the 3rd Generation Plan CAC) to either join these programs or start a new program for monitoring its water bodies. (Goal 5.8.1 B, Goal 5.3.1 A) Update to reflect current goals for volunteers, leveraging of master water stewards.

E. The WMO will continue to participate in the Blue Thumb Program or other similar programs. (Goal 5.8.1 B) Revise to reference landscaping for clean water.

F. The WMO will continue to support Clean Water Minnesota Media Campaign or develop "catchy" educational information, possibly through the use of an ad agency, focusing on water quality within the community. The ad agency may provide varying media techniques depending on the audience being targeted. Educational components shall be updated to avoid redundancy. (Goal 5.8.1 A, Goal 5.8.1 B) Revise to reflect current partners and cooperative efforts.

5.8.3 WMO Policies

A. Member cities' City Engineers and Public Works Officials are encouraged to attend Board Meetings to provide technical advice and information to the Board. (General Public Participation and Education)

B. Member cities are to make information available to active community groups such as Rotary, Lions, Kiwanis, ROMA (Responsible Owners and Managers Organization), WSCO (West Side Citizens Organization), All Around the Neighborhood, and Chamber of Commerce to educate and increase awareness of water resource issues throughout the WMO. (Goal 5.8.1 A, Goal 5.8.1 B) Suggest eliminating specific references to organizations. Consider requiring link/reference to LMRWMO website/contact info?

5.9 Administration

The WMO's administration can have a significant impact on the success of the 3rd Generation Watershed Management Plan. The following goals and policies are aimed at operational activities associated with water resource management within the WMO.

5.9.1 WMO Goals

A. Meet the requirements set forth in the Metropolitan Surface Water Management Act regarding the management of a watershed management organization.

Section 5 of Existing Plan reviewed for Strategy and Policy updates

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B. Increase efficiency of programs throughout the WMO and provide increased economic opportunities for the WMO and its member cities.

5.9.2 WMO Strategies

A. The WMO will explore opportunities to partner with other WMO/WD programs and County programs. The updates of neighboring WMO/WD plans may be an opportunity to explore these partnerships. (Goal 5.9.1 A, Goal 5.9.1 B) Suggest revising to clarify what partnerships might address (projects, monitoring, outreach, studies).

B. The WMO will continue to publish an annual newsletter summarizing its activities for public distribution. (Goal 5.8.1 A, Goal 5.8.1 B) Suggest omitting as strategy and including in implementation

C. The WMO will assist member cities (including being the applicant) in pursuing/securing grants for projects contained within an individual city and those that cross city boundaries. (Goal 5.9.1 A, Goal 5.9.1 B) Does strategy (or other Plan text) need to clarify LMRWMO roles regarding grant admin? E.g., LMRWMO may administer grants for intercommunity projects?

D. The WMO will adhere to BWSR administrative performance standards (e.g. data practices policy, project and program expenditures, Board training, operational guidelines, water quality and watershed yield trends, and public information and education outcomes). (Goal 5.9.1 A) Consider omitting as this is a minimum requirement.

E. The WMO will utilize ad hoc subcommittees for special projects. (Goal 5.9.1 A, Goal 5.8.1 B) Consider omitting as strategy and describing in subsection of Implementation section that describes project implementation.

F. The WMO will initiate the development of an eight to twelve member permanent CAC to serve as an ongoing advisory group. Citizens will be solicited as needed until the desired number is met. (Goal 5.9.1 A, Goal 5.8.1 B) Revise to reflect current and planned status of CAC

G. The WMO will continue to transition to an all-citizen Board. (Goal 5.9.1 A, Goal 5.8.1 B) Omit as complete.

H. The WMO will fund updating and maintenance of its web site (for posting data, the watershed management plan, etc.) through the WMO dues. (Goal 5.9.1 A) Detail to be included in implementation table.

I. The WMO will revise its joint powers agreement to reflect the 3rd Generation Watershed Management Plan. (Goal 5.9.1 A, Goal 5.3.1 C) Omit as complete.

J. The WMO's cost allocation for intercommunity flooding and erosion control studies and construction projects will continue to be based on allowable flow. (Goal 5.9.1 A) Update to reflect use of allowable flow and allowable load methodologies.

K. The WMO will provide technical review of projects, if requested, as a service to the member cities. Costs to complete these reviews may be charged back to member cities. (Goal 5.9.1 A) Clarify cost element.

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L. The WMO will finance the implementation program elements through either the WMO dues (the annual contributions of its member cities) or some form of cost sharing in accordance with the joint powers agreement. The WMO and cities will also seek grants and other funding opportunities to help offset the costs of the implementation tasks. (Goal 5.9.1 A, Goal 5.9.1 B) Consider omitting first part as it does not provide additional detail regarding funding methods. Funding sources for individual implementation items will be included in the implementation schedule.

M. The operation and maintenance costs associated with a WMO improvement project will be apportioned according to the WMO joint powers agreement, as revised. (Goal 5.9.1 A) Consider revising to generally include the procedure as described in the JPA.

N. Although the WMO will not be administering a permit program, the WMO will:

- Review projects for consistency with the WMO plan, as requested by member cities or other governmental agencies.
- Review and approve any proposed changes to the intercommunity stormwater system that are inconsistent with an approved local watershed management plan Consider changing to "review and comment on" as approval is not assumed.
- Review and approve any changes to the approved local plan that would cause the local plan to be inconsistent with the WMO plan. Consider changing to "review and comment on" as approval is not assumed.
- Review member city local plan updates for consistency with WMO Plan.
- Review annual progress reports from the member cities and provide areas that need to be addressed to keep in compliance with the WMO plan. The WMO may request specific projects be included in the annual progress report to review for conformance with the approved local plan.
- Reserve its authority under State Statute 103B to intervene in the permit process if a member city is determined to be out of compliance with its approved local watershed management plan and the WMO rules. It is the LMRWMO's preferred position to work cooperatively with the member cities and avoid unnecessary duplication of permitting. Consider omitting as the LMRWMO maintains this authority regardless of statement.
- Review member city comprehensive plan changes when revisions to their comprehensive plans affect water resource management. Stormwater management elements of the city comprehensive plans are to conform to the WMO plan. (Goal 5.9.1 A) Consider omitting as redundant to the review of local water plans (which are to be included within City Comp Plans).

5.9.3 WMO Policies

A. Member cities are to adopt new ordinances or revise existing ordinances that meet the WMO policies listed in this plan. (Goal 5.9.1 A) Expand to include "official controls" as not all guidance is provided in ordinance.

B. Member cities are to report their annual progress to the WMO. This may consist of each member city submitting an implementation plan progress update from their local water management plan. (Goal 5.9.1 A)

Work Scope For:
Pine Bend SNA Ravine Stabilization Assessment

Applicable to Addendum No. 1 and Master Service Agreement Dated June 27, 2012

between

Barr Engineering Co. (Barr) **4300 MarketPointe Drive, Suite 200** **Minneapolis, MN 55435**	**City of Inver Grove Heights (City)** **8150 Barbara Avenue** **Inver Grove Heights, MN 55077**
Designated Representative:	**Designated Representative:**

I. Project Understanding

Barr understands that a ravine located in the Pine Bend Scientific and Natural Area (SNA) exhibited rapid erosion during 2019, raising concerns about potential damage to a Dakota County trail and a pipeline owned by Marathon Pipe Line, LLC, both located in the upper reaches of the ravine. Dakota County completed an emergency ravine stabilization project in 2019. The City of Inver Grove Heights, the Minnesota DNR, and Dakota County subsequently worked together to assess and reduce flows from the river bluff to the ravine.

Representatives from the Lower Mississippi River WMO met with Minnesota DNR staff, Dakota County staff, and Inver Grove Heights staff on August 30, 2021, to discuss the potential for future work in the ravine contributing area and/or the ravine itself to reduce the likelihood of future excessive ravine erosion. Barr Engineering Co. (Barr) was asked to prepare this scope of work based on comments from the stakeholders present at that meeting.

II. Work Scope

The scope of work is divided into the following tasks:

1. **Data gathering:** Barr will compile documentation for the available studies for the ravine and its contributing area; construction projects performed within the ravine contributing area, and erosion mitigation projects performed within the ravine.
2. **Desktop review:** Barr will review the compiled data and provide a brief chronological summary for review by project stakeholders. Barr will review historical aerial photography and stormwater utilities in GIS and summarize potential gaps in the compiled data.
3. **Site survey:** Barr will coordinate or perform survey of topography and utilities in the ravine and its contributing area to fill the identified data gaps. The survey will include the expanded Interstate Trucking Co. parking area (assuming access is granted) and the ravine area immediately downstream of the trail.

4. **Alternatives analysis:** Barr will work with project stakeholders to identify structural or operational alternatives with the potential to mitigate future excessive ravine erosion. Barr will then perform an alternatives analysis of up to five (5) alternatives to quantify their potential effects on ravine erosion, the Dakota County trail, the wetland directly east of the I-State Truck facility, and the wetland directly north of the I-Stage Truck facility. The alternatives analysis will include:
    a. conceptual sketches of alternatives
    b. modeling of hydrologic impacts based on the most recent 30-year period of climate data (1991-2020), comparing predevelopment conditions, 2019 conditions, and future (with alternative) conditions
    c. planning level opinions of probable cost for the three top alternatives as ranked by project stakeholders

Deliverables

Barr will provide the LMRWMO with the following deliverables:

1. Documents obtained during the data gathering phase
2. A memorandum containing a chronological summary of studies and projects within the contributing area and potential data gaps
3. Planning level opinions of probable cost for up to three alternatives
4. A report containing methods and results of the hydrologic study and the alternatives analysis

III. Maximum Compensation and Assumptions ("Service Assumptions") Upon Which Maximum is Based

For the services referenced above, you will pay us for time and expenses not to exceed the total amount shown in Section III below without prior approval, in accordance with the referenced Master Service Agreement. The scope of services assumes the following:

1. Project stakeholders will provide any studies and construction project plans for the data gathering task
2. Barr staff will perform the site survey
3. Barr will perform hydrologic modeling and initial assessments of constructability for up to five (5) alternatives
4. Barr will prepare planning level opinions of probable cost for up to three (3) alternatives

IV. Schedule and Budget

Project Milestone	Projected Completion Date	Budget
Summary of existing studies and data gaps	November 5, 2021	$2,600
Survey	November 19, 2021	$4,200
Presentation of Initial alternatives analysis (up to five alternatives) for ranking by stakeholders	December 10, 2021	$5,900
Draft report and cost estimates	January 14, 2022	$7,700
Final report and board presentation	February 4, 2022	$2,400
TOTAL		$22,800

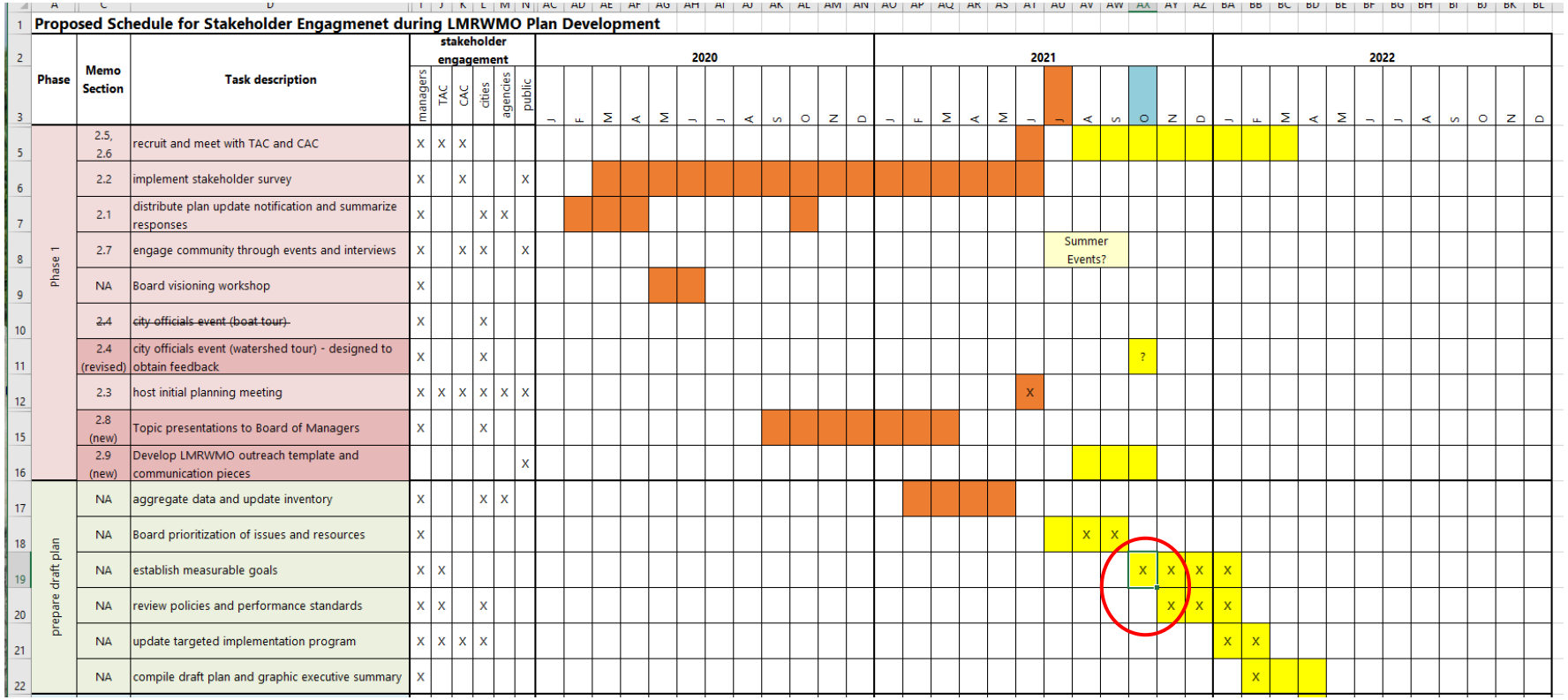
ACCEPTED AND AGREED TO:

BARR ENGINEERING CO.	LOWER MISSISSIPPI RIVER WATERSHED MANAGEMENT ORGANIZATION
By: _____	By: _____
Title: _____	Title: _____
Date: _____	Date: _____

LMRWMO Plan Update – October 2021

Proposed Schedule for Stakeholder Engagmenet during LMRWMO Plan Development

Phase	Memo Section	Task description	stakeholder engagement: managers	TAC	CAC	cities	agencies	public
Phase 1	2.5, 2.6	recruit and meet with TAC and CAC	X	X	X			
	2.2	implement stakeholder survey	X		X			X
	2.1	distribute plan update notification and summarize responses	X			X	X	
	2.7	engage community through events and interviews	X		X	X		X
	NA	Board visioning workshop	X					
	~~2.4~~	~~city officials event (boat tour)~~	X			X		
	2.4 (revised)	city officials event (watershed tour) - designed to obtain feedback	X			X		
	2.3	host initial planning meeting	X	X	X	X	X	X
	2.8 (new)	Topic presentations to Board of Managers	X			X		
	2.9 (new)	Develop LMRWMO outreach template and communication pieces						X
prepare draft plan	NA	aggregate data and update inventory	X			X	X	
	NA	Board prioritization of issues and resources	X					
	NA	establish measurable goals	X	X				
	NA	review policies and performance standards	X	X		X		
	NA	update targeted implementation program	X	X	X	X		
	NA	compile draft plan and graphic executive summary	X					



Current Tasks:

- Summary of CAC meeting
- Begin revisions to goals, strategies, and policies

Upcoming Tasks:

- Revisions to goals, strategies, and policies
- Review of performance standards (policies)

BOARD OF WATER AND SOIL RESOURCES

September 20, 2021

Lower Mississippi River Watershed Management Organization Board of Managers
c/o Joe Barten, Administrator
Dakota SWCD
4100 220th Street West, Suite 102
Farmington, MN 55024

RE: Approval of the Lower Mississippi River Watershed Management Organization Watershed Management Plan Extension

Dear Lower Mississippi River Watershed Management Organization Board of Managers:

The Minnesota Board of Water and Soil Resources (BWSR) is pleased to inform you that the Lower Mississippi River Watershed Management Organization (LMRWMO) Watershed Management Plan **extension** was approved on September 20, 2021. Attached is the signed Board Order that documents approval of the **Extension** to March 31, 2023.

Please contact your Board Conservationist, Melissa King at 651.350.8845 or Melissa.king@state.mn.us for further assistance on this matter.

Sincerely,

John Jaschke, Executive Director
Minnesota Board of Water and Soil Resources

Enclosure: BWSR Board Order

CC: Jeff Berg, MDA (via email)
John Freitag, MDH (via email)
Dan Lais, DNR (via email)
Megan Moore, DNR (via email)
Jeff Risberg, MPCA (via email)
Judy Sventek, Metropolitan Council (via email)
Marcey Westrick, BWSR Regional Manager (via email)
Melissa King, BWSR Board Conservationist (via email)
Annie Felix-Gerth, BWSR Water Programs Coordinator (via email)

St. Paul HQ 520 Lafayette Road North St. Paul, MN 55155 Phone: (651) 296-3767
www.bwsr.state.mn.us TTY: (800) 627-3529 An equal opportunity employer

Minnesota Board of Water and Soil Resources
520 Lafayette Road North
St. Paul, Minnesota 55155

In the matter of Extending the Watershed Management Plan for Lower Mississippi River Watershed Management Organization pursuant to Minnesota Statutes, Section 103B.3367.

ORDER EXTENDING WATERSHED MANAGEMENT PLAN

Whereas, on September 28, 2011, the Minnesota Board of Water and Soil Resources (Board), by Board Order, approved the Lower Mississippi River Watershed Management Organization (LMRWMO) watershed management plan that is effective until September 28, 2021; and

Whereas, the Board has authorization to grant extensions pursuant to Minnesota Statutes Section 103B.3367; and

Whereas, the Board adopted Resolution #19-69 *Revised Local Water Plan Extension and Amendment Policy* on December 18, 2019;

Now Therefore, the Board hereby makes the following Findings of Fact, Conclusions, and Order:

FINDINGS OF FACT

1. On August 16, 2021, the Board received a petition from the LMRWMO requesting an extension of their watershed management plan. The effective date will change from the current date of September 28, 2021 to a new date of March 31, 2023. The following are the reasons for the request.

    A. The LMRWMO formally began the watershed management plan update in December 2019. The LMRWMO developed a stakeholder engagement plan and began to solicit input for the plan update in 2020; however, the process experienced unanticipated delays as a result of the COVID-19 global pandemic and associated health and safety concerns. In consideration of the health and safety restrictions and recommendations in place, the LMRWMO has attempted to continue the update process by adapting public engagement strategies and completing portions of the update process, as able. Nonetheless, these delays have resulted in the need for LMRWMO to request an extension to the current plan while the watershed managment plan update and review processes are completed.

CONCLUSIONS

1. All relevant substantive and procedural requirements of law have been fulfilled.

2. The Board has proper jurisdiction in the matter of extending Watershed Management Plans, pursuant to Minnesota Statutes, Section 103B.3367.

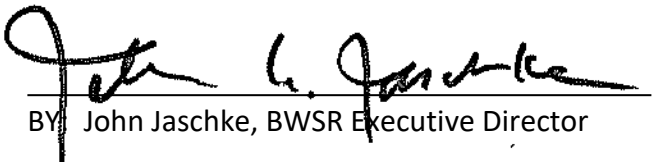
3. The Lower Mississippi River Watershed Management Organization watershed management plan extension request is in conformance with the requirements of Minnesota Statutes, Section 103B.3367 and the Board's *Revised Local Water Plan Extension and Amendment Policy* dated December 18, 2019.

ORDER

The Board hereby approves the extension of the Lower Mississippi River Watershed Management Organization Watershed Management Plan until March 31, 2023.

Dated at Saint Paul, Minnesota, on this 20th day of September 2021.

MINNESOTA BOARD OF WATER AND SOIL RESOURCES



BY: John Jaschke, BWSR Executive Director

LMRWMO Approved 2022 Budget

ESTIMATED REVENUES AND ASSETS	2022 Budget
Dues from Members	$115,735
Interest	$600
Other/Grant Match	$0
LMCIT Rebate	$200
TOTAL	**$116,535**
ESTIMATED EXPENSES AND LIABILITIES	**2022 Budget**
Engineering/Technical Assistance	
Technical Assistance	$6,000
Meetings	$6,500
Plan Reviews	$0
Watershed Plan Amendment	$40,000
Subtotal	**$52,500**
Project Implementation	
General Plan Implementation	$5,000
Landscaping for Clean Water Projects	$12,000
Water Monitoring	$9,000
Subtotal	**$26,000**
Education	
Landscaping for Clean Water Classes	$6,400
Master Water Stewards	$10,000
Storm Drain Stenciling Program	$0
Stormwater Signage Program	$2,500
WMO Tabling at Events	$500
Host Neighborhood or Lake Assn. Mtgs.	$0
General Education Requests	$2,000
Metro Watershed Partners Membership	$1,000
Board Tour / Boat Tour	$0
Website Maint./ Redo	$4,000
CAC Coordination	$0
Board Education	$500
Subtotal	**$26,900**
Administration	
General Administration	$36,000
Insurance	$2,500
Attorney and Audit	$5,000
Subtotal	**$43,500**
Cumulative Set Aside for 4th Gen Plan	**$10,000**
TOTAL	**$148,900**
40% Goal of Unencumbered Fund Balance	$59,560
Year End Fund Balance (Estimated)	**$127,635**
Unencumbered Year End Fund Balance	**$117,635**