Lower Mississippi River Watershed Management Organization Technical Advisory Committee

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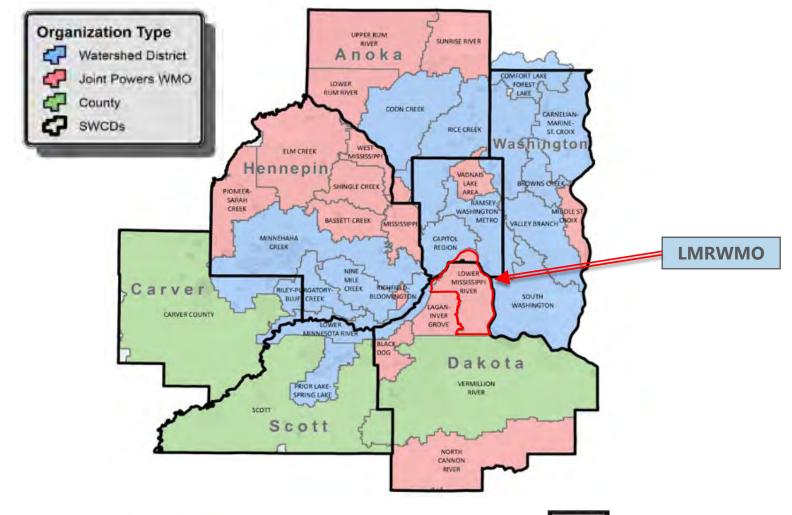


Outline

- Introductions
- WMO Overview
- Plan update overview
- Role of the TAC
- Summary of recent issue identification
- Discussion of issues
- Next steps



LMRWMO Orientation

















Education Programs

Metro Watershed Partners

Master Water Stewards

Community Leadership for Clean Water









Water Monitoring



Perform water monitoring on LMRWMO lakes. Coordinate volunteer water monitoring program, track trends, identify issues.



Projects
Aluminum
Sulfate
Treatments on
Sunfish and
Augusta





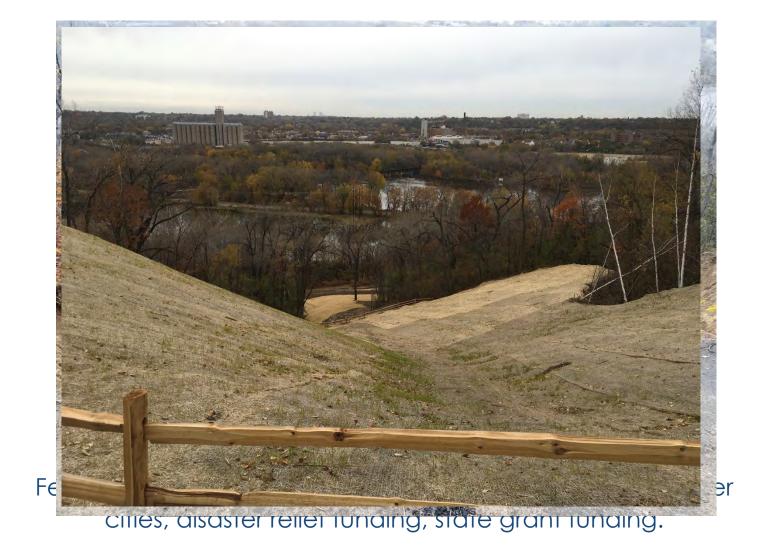




WRAPS Study - Application of aluminum sulfate to Lake Augusta and Sunfish Lake to capture dissolved phosphorus within lakes.



Projects Cherokee Heights Ravine





Projects
Thompson
Lake
Stormwater
Improvement
Project



Thompson Lake contaminated sediment removal and stormwater treatment project. 180 acre drainage area will be treated with a stormwater pond, treatment wetland, and water reuse system.



Plan Update Timeline

Proposed Schedule for Stakeholder Engagmenet during LMRWMO Plan Development

	Memo Section	Task description		stakeholder engagement 2020 2021													2022																				
Phase			managers	TAC	7		V3	public	Jan-20	Feb-20	Mar-20	Apr-20	May-20	07-unr	02-IUC	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	ul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Feb-22	Mar-22	Apr-22	May-22	un-22	11.22
	2.5, 2.6	recruit and meet with TAC and CAC	х	х	х														Ĭ			-	Ì												-		
	2,2	implement stakeholder survey	х		x	T		х	I																											I	i
	2.1	distribute plan update notification and summarize responses	х			х	х																														
Se 1	2.7	engage community through events and interviews	Х		х	х		х																			mme ents?										i,s
Phase	NA	Board visioning workshop	х														lk.																				
	2.4	city officials event (boat tour)	х			х					î	ĺ							Ī										Ī		Ī	ĺ					
		city officials event (watershed tour) - designed to obtain feedback	х			х		Ĭ								Ī																					
	2.3	host initial planning meeting	х	х	х	х	х	х																													
	2,8 (new)	Topic presentations to Board of Managers	Х			х																															
	2,9 (new)	Develop LMRWMO outreach template and communication pieces						х	Ì																												
	NA	aggregate data and update inventory	Х			х	Х																- 1														
plan	NA	establish measurable goals	х	х						I							×	X			×							×	X		>	<					
prepare draft plan	NA	review policies and performance standards	х	х		X									Ī		×	x	×									X	Х	x	T						
prepa	NA	update targeted implementation program	х	х	х	х			ı		ı								×	x											2	x x					
	NA	compile draft plan and graphic executive summary	х	Ħ														6														99					
=	NA	revise plan per board feedback	Х	Ţ																		x		П					1		T			х			
and obtain val	NA	conduct formal 60-day review and respond to comments	х			х	х	х						Ī		ı											İ		T		Ť		Ī				
revise, an approval	NA.	host public meeting	х			х	Х	х	ĪÎ		T															x					i						
	NA	revise and resubmit plan	х				х		1																			x									
review,	NA.	produce and distribute plan	х				1												П					П					*			ii	T				

Plan Update Timeline

Proposed Schedule for Stakeholder Engagmenet during LMRWMO Plan Development

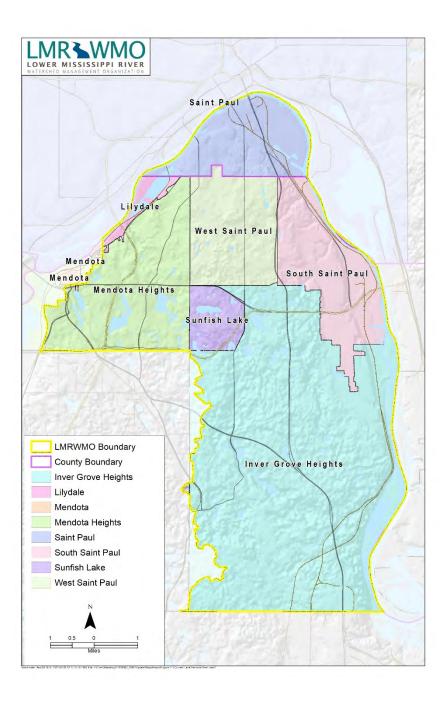
Phase	7.1	Took december				hold				2020												2021									
	Memo				igag	eme			-					20	20											20	21				
	Section	Section Task description				cities	agencies	public	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	OCt-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21		
	2.5, 2.6	recruit and meet with TAC and CAC	x managers	х	х						Ì		Ì					Ď	Ī	Ī											
	2.2	implement stakeholder survey	x		x			х	Ī																						
	2.1	distribute plan update notification and summarize responses	х			х	х																								
1 e 1	2.7	engage community through events and interviews	Х		х	х		х																				ımmı vents			
Phase	NA	Board visioning workshop	х			1	L																								
	2.4	city officials event (boat tour)	Х			х	Ī	Ĩ				ΪΠÍ																			
	2,4 (revised)	city officials event (watershed tour) - designed to obtain feedback	х			х								I																	
	2.3	host initial planning meeting	х	х	х	Х	x	х																							
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	NA	aggregate data and update inventory	Х			Х	х																								
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Role of the Technical Advisory Committee

- Provide input to assist in Manager decisions
- Technical resource throughout Plan development
- Key input points:
 - Identifying and prioritizing issues
 - Establishing measurable goals
 - Reviewing and revising LMRWMO policies and strategies
 - Developing an implementation plan coordinated with LMRWMO partners

Recent Issue Identification Activities

- Responses to the Plan update notification letter
- Online survey
- Technical presentations to the LMRWMO Managers
- Review of 2011 WMO Plan



2011 LMRWMO Plan Issues

- Water quality
 - Impaired waters
 - Additional monitoring
 - City Stormwater management (MS4, NPDES)
 - Nutrient loading
 - Pond and BMP maintenance
 - Some lake-specific issues
- Flooding and stormwater rate
 - Increased runoff from development
 - Specific local flooding issues
 - Management of landlocked basins

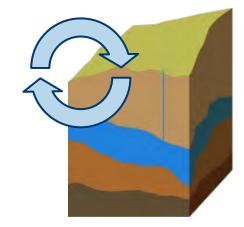
2011 LMRWMO Plan Issues

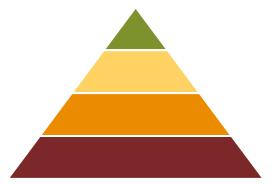
- Erosion and sedimentation
 - MS River bank erosion
 - Erosion control standards
 - Specific local issues (IGH, Cherokee Heights)
- Need for groundwater management
- Wetland loss impacts (fish and wildlife)
- Limited recreational access
- Need for more public education
- Improved collaboration with Cities
- Lack of citizen input

Responses to Plan Update Notification Letter

- Common themes:
 - Emphasis on measurable goals and progress assessment
 - Increased focus on groundwater sustainability
 - Implementation actions that are prioritized and targeted

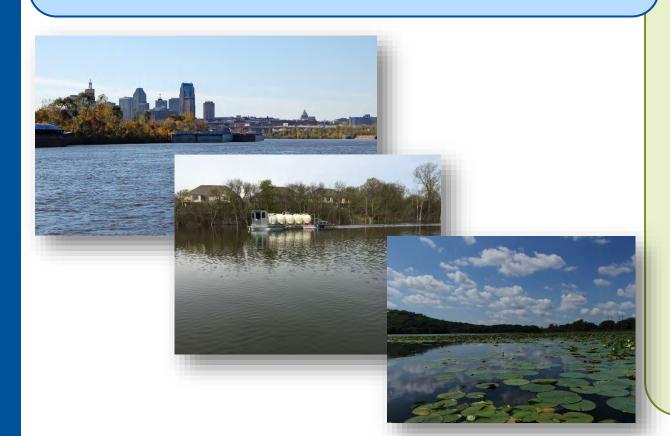






Online Survey

- Frequently-identified resources:
 - Lake Augusta (20 responses)
 - Ponds (10)
 - Mississippi River (9)



Other resources:

- Lily Pond
- Rogers Lake
- Mud Lake
- Pickerel Lake
- Thompson Lake
- Lemay Lake
- Valley Creek
- Bluffs

Online Survey

- Frequently-cited issues:
 - Water quality (57% of responses)
 - Aesthetics (22%)
 - Recreational use (11%)
 - Wildlife impacts (6%)
- Improvements cited:
 - More green infrastructure
 - More education
 - Increased buffers
 - Increased accessibility
 - Less road salt

Online Survey

- Frequently-cited issues:
 - Water quality (57% of responses)
 - Aesthetics (22%)
 - Recreational use (11%)
 - Wildlife impacts (6%)
- Improvements cited:
 - More green infrastructure
 - More education
 - Increased buffers
 - Increased accessibility
 - Less road salt

- Notable omissions:
 - Flooding
 - Wetlands
 - Invasive species

Priority Issue Discussion

 What resources are a priority for restoration, protection?

What emerging issues are important to your organization?

Biggest change since the 2011 Plan?

 If the LMRWMO could accomplish one thing, what should it be?

Next Steps

- Report to Board of Managers
- Present at June 9 public kickoff meeting

