Meeting Agenda

Advisory Committee

Project Name:	Lower MN River East One Watershed One Plan
ISG Project Number:	27009
Date:	May 17th, 2023
Time:	10am-1pm
Invitees:	Joe Mulcahy (Met Council), Barb Peichel (BWSR), Anne Sawyer (BWSR), Travis Hirman (MDA), Mark Wettlaufer (MDH), Carrie Raber (MDH), David DePaz (DNR), Brittany Faust (MPCA), Joni Giese (Prior Lake Spring Lake WD), Vanessa Strong (Scott County/WMO), Melissa Bokman (Scott County/WMO), Meghan Darley (Scott SWCD), Troy Kuphal (Scott SWCD), Linda Loomis (Lower MN River WD), Brad Behrens (Rice County), Steve Pahs (Rice SWCD), Mike Schultz (Le Sueur SWCD), Holly Bushman (Le Sueur County), Bailey Griffin (ISG), Paul Marston (ISG)

INTRODUCTIONS

- Name
- Entity/Agency
- What is your favorite summer activity?

PURPOSE + GOALS

- Determine layout for implementation table formatting
- Begin development of implementation table

DISCUSSION TOPICS

Recap Plan Framework
20 MINUTES

Implementation Table Formatting
30 MINUTES

Review Modeling Framework
20 MINUTES

Implementation BMPs Review
90 MINUTES

Review Homework
15 MINUTES

Next Steps
5 MINUTES

Memorandum

Lower Minnesota River East - Advisory Committee

To:	Lower MN River East Watershed Advisory Committee
From:	Bailey Griffin, Project Manager; Paul Marston, Environmental Scientist - ISG
Date:	May 17th, 2023
Subject:	Implementation Table

The following memo outlines information to guide development of the implementation table during the May 17th Advisory Committee (AC) Meeting, During the meeting, we will be providing a recap on the issue statements and measurable goals that will be addressed through the implementation table. We will then review the implementation table formatting to answer questions and receive feedback from the AC. Next, we will present our framework to develop numerics for the measurable goals through water quality modeling.

Lastly, we will divide into two groups to start reviewing and developing implementation efforts and sequencing for select BMPs in the implementation table.

IMPLEMENATION TABLE FORMATING

The Steering Team provided guidance on the implementation table formatting which guided the development of the draft implementation table layout provided below and in the excel file attached with the meeting materials. The implementation table is organized first by practice and then by subwatershed at the HUC 10 scale. The 6 resource concerns with their associated goals are listed. The table indicates what goals are being addressed by each BMP.

Implementation Action	Location (HUC10 Subwatershed)	Priority Areas	Measurable output for this activity	Timeframe					Estimated Cost (*Outside funding needed)	Lead & Supporting LGUs	Surface Water Quality					Surface Water Hydrology	Groundwater Quality		Groundwater Knowledge		Habitat Restoration	Habitat Proection and Preservation	
				Years 1 & 2 ($$)	Years 3 & 4 ($$)	Years 5 & 6 ($$)	Years 7 & 8 ($$)	Years 9 & 10 ($$)			Sediment + Erosion	Nutrients in impaired lakes	Nutrients to unimpaired lakes	Chloride	E.coli	Reduce annual runoff	Groundwater protection - Nitrates	Groundwater Protection - Source Contamination	Groundwater Contamination	Data Collection and Monitoring	Riparian Restoration	Identify High Value Natrual and Cultural Resouces	Permanent Protection
Soil Health Practices																							
Nutrient Management	Le Sueur Creek	Streams - Le Sueur Creek, Forest Prairie Creek Lakes - Clear	400 acres									x			x			x					
	Sand Creek	Streams - Middle Sand Creek, Upper Sand Creek, Raven Stream Lakes - Cedar, Cody, Phelps, LeMay	490 acres									x	x		x			x					
	City of Le Sueur - Minnesota River	Streams - Unnamed Creek (761)	210 acres												x			x					
	City of Belle Plain - Minnesota River	Streams - Roberts Creek	1,800 acres												x			x					
	Minnesota River Outlet	Streams - Unnamed Creek (604) Lakes - Spring, Upper Prior, Lower Prior, O'Dowd, Thole, McMahon	0 acres									x	x		x			x					

Memorandum

Lower Minnesota River East - Advisory Committee

IMPLEMEATION TABLE SMALL GROUP ACTIVITY

We will be dividing into two small groups to begin developing implementation efforts and sequencing for the implementation table. Group 1 will focus on practices that are typically managed by county staff such as well sealings, SSTS repairs/improvements, and shoreland restorations. Group 2 will focus on rural conservation work typically managed by SWCD staff such as grass waterways, WASCOBs, and conservation tillage. Please request if you would like to switch groups.

Group 1:

- Joe Mulcahy
- Mark Wettlaufer
- Carrie Raber
- Brad Behrens
- Holly Bushman
- Barb Peichel
- Melissa Bokman
- Troy Kupal

Group 2:

- Anne Sawyer
- Travis Hirman
- David DePaz
- Brittnay Faust
- Joni Giese
- Meghan Darley
- Mike Shultz
- Vanessa Strong

To assist with ensuring realistic implementation efforts are listed in the implementation table, the table below lists the number of acres in each HUC 10 watershed. It is then broken down into the number of acres for each priority waterbody within that HUC 10.

HUC10 Subwatershed	Priority Subwatershed	Le Sueur County		Scott County		Rice County		Total Acres
		acres	*% in County*	*acres*	*% in County*	*acres*	*% in County*	
Le Sueur Creek		**95,542**	**100%**	**262**	**0%**	**-**	**0%**	**95,804**
	Le Sueur Creek	50,552	53%	-	0%	-	0%	*50,552*
	Forest Prairie Creek	41,874	83%	262	100%	-	0%	*42,136*
	Clear Lake	3,116	7%	-	0%	-	0%	*3,116*
Sand Creek		**40,379**	**25%**	**102,518**	**63%**	**19,104**	**12%**	**162,002**
	Cody / Phelps / LeMay Chain Lakes	-	0%	-	0%	6,017	31%	*6,017*
	Middle Sand Creek	21,641	54%	2,089	2%	13,088	69%	*36,818*
	Upper Prior Creek	-	0%	12,995	13%	-	0%	*12,995*
	Raven Streams	18,738	46%	24,045	23%	-	0%	*42,783*
	Cedar Lake	-	0%	2,447	2%	-	0%	*2,447*
	McMahon	-	*0%*	*578*	*1%*	-	*0%*	*578*
City of Le Sueur - Minnesota River		**16,440**	**65%**	**8,781**	**35%**	**-**	**0%**	**25,221**
	Unnamed Stream (761)	*4,285*	*26%*	*5,031*	*57%*	-	*0%*	*9,316*
City of Belle Plaine - Minnesota River		**-**	**0%**	**29,747**	**100%**	**-**	**0%**	**29,747**
	Roberts Creek	-	0%	*8,810*	30%	-	0%	*8,810*
Minnesota River Outlet		**-**	**0%**	**80,026**	**100%**	**-**	**0%**	**80,026**
	Unnamed Creek (604)	-	*0%*	*5,468*	*7%*	-	*0%*	*5,468*
	Fish Lake	-	*0%*	*697*	*1%*	-	*0%*	*697*
	Spring Lake	-	*0%*	*6,230*	*8%*	-	*0%*	*6,230*
	Upper Prior Lake	-	*0%*	*3,603*	*5%*	-	*0%*	*3,603*
	Lower Prior Lake	-	*0%*	*2,883*	*4%*	-	*0%*	*2,883*
	Thole Lake	-	*0%*	*1,023*	*1%*	-	*0%*	*1,023*
	O'Dowd	-	*0%*	*774*	*1%*	-	*0%*	*774*

Figure 1: Implementable acres per watershed

NEXT STEPS: IMPLEMENTATION TABLE

Homework will be provided to the Advisory Committee to continue to work through developing the implementation table actions, timeline, and lead LGUs following the meeting. Next month, the Advisory Committee meeting will focus on developing outreach and education, data and studies, and policy and regulation strategies that will have the greatest impact towards meeting the Plan's measurable goals. During next month, ISG will work on modeling the anticipate efforts to develop water quality metrics and numerics for the measurable goals. The modeling and cost estimates will be provided in July for the AC to review and refine the BMP implementation table.