

#### **Steering Committee Meeting Summary**

September 1, 2021

#### **Participants**

Darren Mayers (BWSR), Matt Fischer (BWSR), Jacob Snyder (Polk County), Katrina Haugen (MSTRWD), Kylie Beard (HEI), Nicole Bernd (West Polk SWCD), Rachel Olm (HEI), Tony Nordby (HEI), Mori Maher (MSTRWD), Josh Johnston (Marshall County)

#### **Updates**



#### **Prioritizing Resources and Measurable Goals**

The goal of this Steering Committee (SC) meeting was to finalize priority issue and resource recommendations for the Advisory Committee (AC) and to continue to establish measurable goals for the group to reach in the 10-year 1W1P.

Resource prioritization is a process that identifies natural resource assets on which to focus implementation funding and efforts first.

At the August 4 meeting, SC and AC members were assigned to subcommittees for each issue to identify potential goals. In the September 1 meeting, HEI walked through each of these groups of issues or goal themes with the SC, covering groundwater quality and quantity;

wetland and upland habitat; in-channel erosion and instability and riparian buffers; drainage systems and drainage of agricultural lands; and altered hydrology and flooding.

The SC discussed the lists of goals and actions that subcommittees had created to address issues in each planning region. Several decisions were made including the updating and approval of prioritized planning regions and resources and identifying the beginnings of short-term (10-year) goals. Slides of the modifications and initial goal ideas are attached to this meeting summary.

#### Groundwater quantity and quality

- Potential Short-Term Goal:
- Sealing wells
- •Drought plan



#### Wetland/upland habitat

- Potential Short-Term Goal:
- •Increase acres of land in protection programs by XXXX acres
- •# of contracts (20% of average size)



#### In-channel erosion/instability and riparian buffers

- Potential Short-Term Goal:
- •Miles or feet of channels stabilized/restored/enhanced
- •Riparian habitat goal: pursue multiple benefits



#### Drainage systems/drainage of agricultural lands

- Potential Short-Term Goal:
- Miles or feet of ditch stabilized/restored/enhanced



#### Altered hydrology and flooding

- Potential Short-Term Goal:
- Distributed Detention Study acre-feet goals



#### **PTMApp**

PTMApp (Prioritize, Target, and Measure Application) is a tool used in watershed planning that can identify problem areas and the costs and benefits of solutions on the ground. An update for the PTMApp process was provided: hydroconditioning is currently being reviewed locally. Point persons are identifying Priority Resource Points (PRPs) for the Watershed. HEI will run PTMApp once these tasks are complete.

#### **Priority Resource Points**

PRPs are locations within the watershed that serve to estimate phosphorus, nitrogen, and sediment loading in PTMApp. These points help to make decisions about where to prioritize projects and funding.

Typically, PRPs are located:

- At watershed and subwatershed inlets and outlets
- Downstream of impaired waters
- At lakes, reservoirs, and/or impoundments
- At locations of large projects

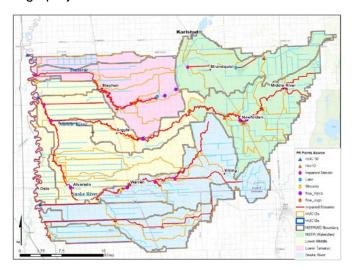


Figure 1: A first look at potential PRPs in the MSTR Watershed

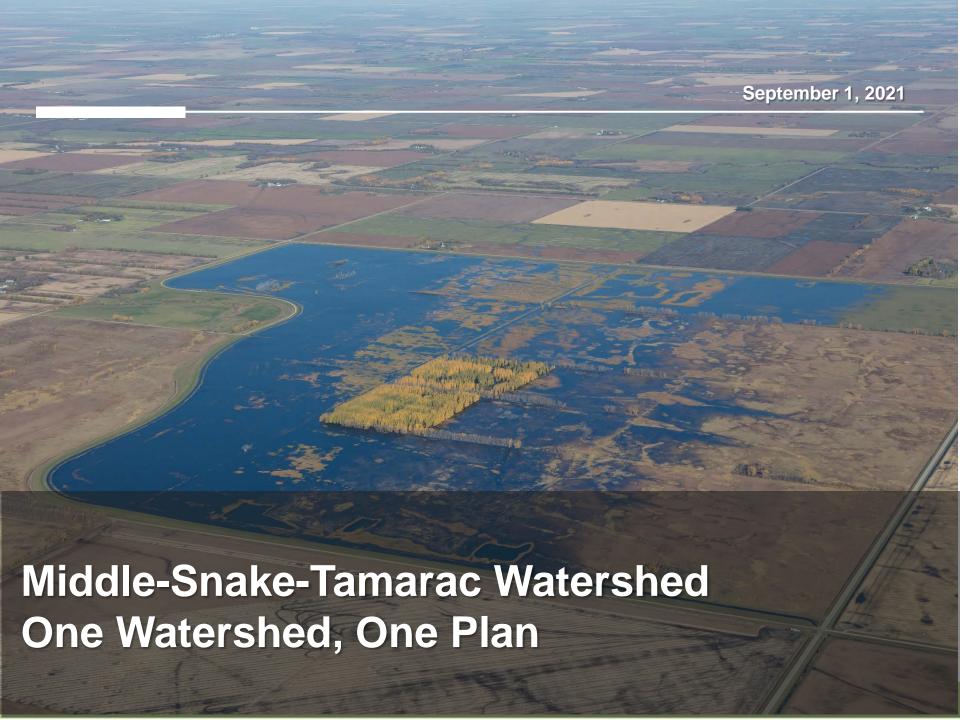
#### **Next Meetings**

Regularly scheduled meetings for each planning committee are as follows:

- Steering Committee: First Wednesday of every month, 9:00 11:00 AM
- Advisory Committee: Third Wednesday, every other month, 9:00 11:00 AM
- Policy Committee: Third Wednesday, every other month (following the Advisory Committee meeting), 11:00 AM – 12:00 PM

#### **Next Scheduled Meetings:**

- Advisory and Steering Committees: Tuesday, September 14, 9:00 AM 11:00 AM
- Steering Committee: October 6, 1:00 PM 3:00 PM



#### **TIMELINE**



## **ROADMAP FOR TODAY**

A	GENDA ITEMS	ACTION	TIME		
1.	Welcome and Introductions		5 min		
2.	<ul> <li>Prioritizing Resources and Measurable Goals</li> <li>Review homework responses as a group</li> <li>Finalize priority issue recommendations</li> <li>Finalize priority resource recommendations</li> <li>Continue development of measurable goals</li> </ul>	Discuss	90 min		
3.	PTMApp- Update and Next Steps	Discuss	20 min		
4.	Action Items and Next Steps     Parking Lot: Meeting to discuss tile and groundwater recharge	Discuss	5 min		



# **GROUNDWATER QUANTITY / QUALITY**

## Issue statement and planning region priority...

Category	Priority by Planning Region	Issue Statement
	Lover Toronos: Manadosen  Strains Elean  Strains Elean	Protection of <b>groundwater supplies</b> from overuse and loss of recharge
	Low Taxas; Madeline.	Contaminants in <b>groundwater</b>



# **GROUNDWATER QUANTITY / QUALITY**

## Actions and prioritized resources / areas...

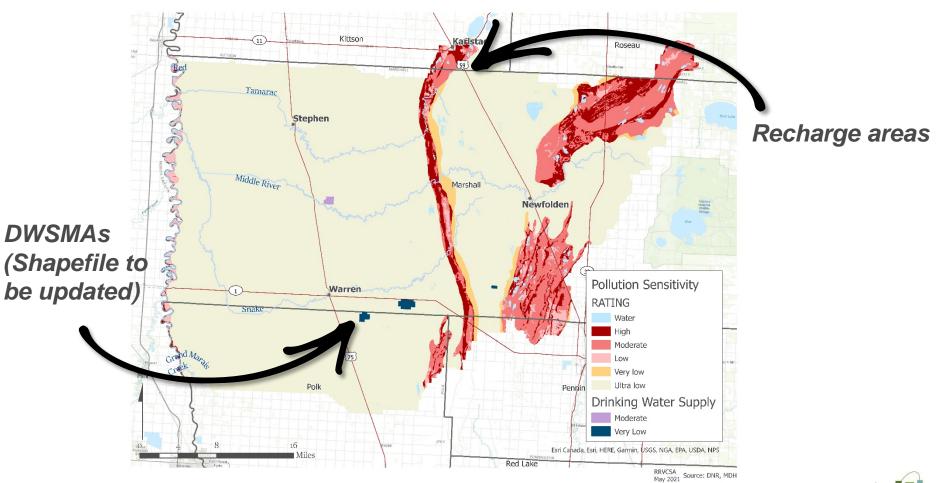
Issue	Action	Resource Focus Area
	Groundwater level monitoring and data sharing (quantity, monitor against recharge and discharge)	
		Beach Ridge /
25	Promotion of technology for strategic irrigation mgmt.	Middle River Surficial Aquifers
(GW supplies)	Contingency plan for drought (minimum 2	
	research papers - one on surficial Beach Ridge /	
	Middle and one for deep aquifer)	
	Prioritize outreach for CRP	Recharge areas
	Complete Geologic Atlas A and B	Watershed-wide or
	Complete deologic Atlas A ana B	county level
	Sealing abandoned wells (can do about 10/yr. (sealing wells) with current funding (\$600 - \$800 / well). SWCD is the lead on this; Wellhead protection manager in lead if in a DWSMA)	
	Land use Mgmt. and coordination	
کے ا	Private well water testing clinics	Watershed wide-
(GW	Promoting of BMPs for well contamination controls	Focus DWSMAs





## **GROUNDWATER QUANTITY / QUALITY**

## Supporting map...





## **GROUNDWATER: GOALS**

#### Short term:

- Sealing wells
- Drought plan / research plan

#### Long term:

Safe and sustainable groundwater supplies



## **HABITAT**

## Issue statement and planning region priority...

Category	Priority by Planning Region	Issue Statement
	Dodge State	Loss of <b>upland and wetland habitat</b> impacting species richness and diversity, water storage, and water quality.



#### **HABITAT**

## Actions and prioritized resources / areas...

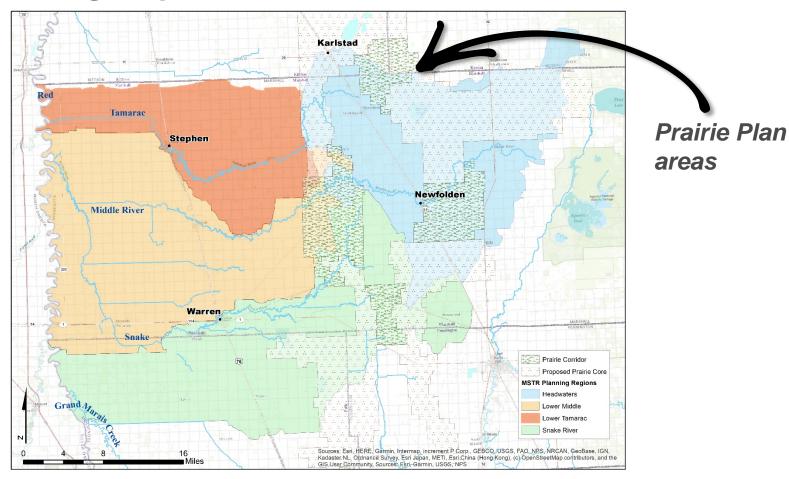
Issue	Action	Resource Focus / Area
ACA	Create a strategic plan with Prairie Plan Technical Team to use to apply for funding	Prairie Plan Areas
	Maintenance and mgmt. of invasive species	Prairie Plan Areas
Upland/ Wetland Habitat	Promotion or incentivizing CRP	Lands taken back out of CRP- Headwaters and Snake

Notes: Habitat largely funded by partners- not CWF WBIF can be used as match to incentivize CRP



## **HABITAT**

# Supporting map...





#### HABITAT: GOALS

#### Short term:

- Increase [ 7,000 using all of W. Polk as placeholder ] acres of land in protection programs ← confirm w Darren
- # of contracts Average size take 20% of that
- (connect to a portion of the Prairie Plan)

#### Long term:

(connect to Prairie Plan)

Notes: Statistics on CRP (trends? Acres expiring?)— Darren is working on this; MPCA Healthier watersheds may be a resource to consider







# IN-CHANNEL EROSION / INSTABILITY; BUFFERS

## Issue statement and planning region priority...

Category	Priority by Planning Region	Issue Statement
<b>"""</b>	Headwaters to a medium	Streambank and in-channel erosion and channel instability impacting water quality and habitat
	Low bade  Soin law	Loss of riparian habitat and inadequate buffer areas

Headwaters to a Low; protection a focus in headwaters





# IN-CHANNEL EROSION / **INSTABILITY; BUFFERS**



Tamarac River / CD 45

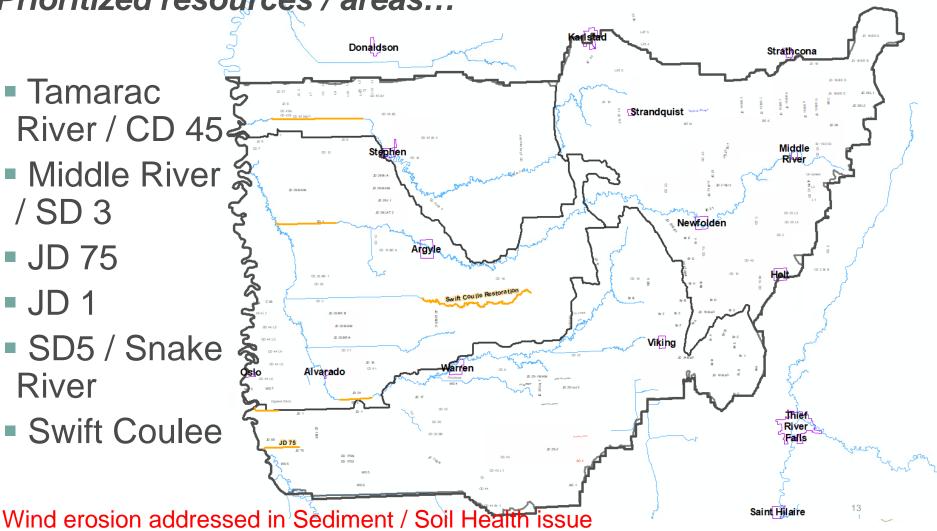
• Middle River 3 / SD 3

**JD** 75

JD 1

SD5 / Snake River

Swift Coulee





# IN-CHANNEL EROSION / INSTABILITY; BUFFERS

## Short term goal:

- Miles or feet of channels stabilized / restored / enhanced
- Riparian habitat goal- pursue multiple benefits

#### Long Term:

• [Placeholder for AC meeting – fix / enhance all?]





## Issue statement and planning region priority...

Category	Priority by Planning Region	Issue Statement
<b>"""</b>	Drop Headwaters down to a Medium	Drainage system instability and inadequacy, and need for management and maintenance
	Lover Strates  Guide Stree	Inadequate drainage of agricultural lands impacting crop productivity





#### Prioritized resources / areas...



# **Channel or Bank Sloughing:**

- County Ditch 45 / TamaracRiver
- State Ditch 3 / Middle River
- Judicial Ditch 75
- State Ditch 5 / Snake River
- Judicial Ditch 19
- Watershed Ditch 5
- Judicial Ditch 1

Ensure language is in plain English- easy to understand to public

Consult this list w County Engineers (Lon and Rich)

#### **Actions:**

 Repair and resloping the ditch slopes, creating benches and installing French drain systems in major sloughing areas have all been solutions to past sloughing repairs conducted by the district. As soon as the plan is approved, engineers will be consulted to provide case specific solutions for each individual project.





#### Prioritized resources / areas...



#### **Outlet Head Cutting / Erosion:**

- JD 14 Lilac Ridge/JD 14
- JD 25-2 Sections 31-32
- WD 4 2015 Rock Structure
- **JD** 16
- JD 20
- JD 24
- JD 29 2017 Rock Structures
- MCD 7
- MCD 38
- MCD 44
- PCD 35

Tie these to TMDL targets; Rank accordingly

#### **Actions:**

• The installation of rock structures and other grade stabilization structures in the ditch bottoms to help preserve the ditch bottom grade. Stabilizing the bottom will prevent future erosion and help mitigate future sloughing issues.





#### Prioritized resources / areas...



# Inadequate drainage of ag

#### lands:

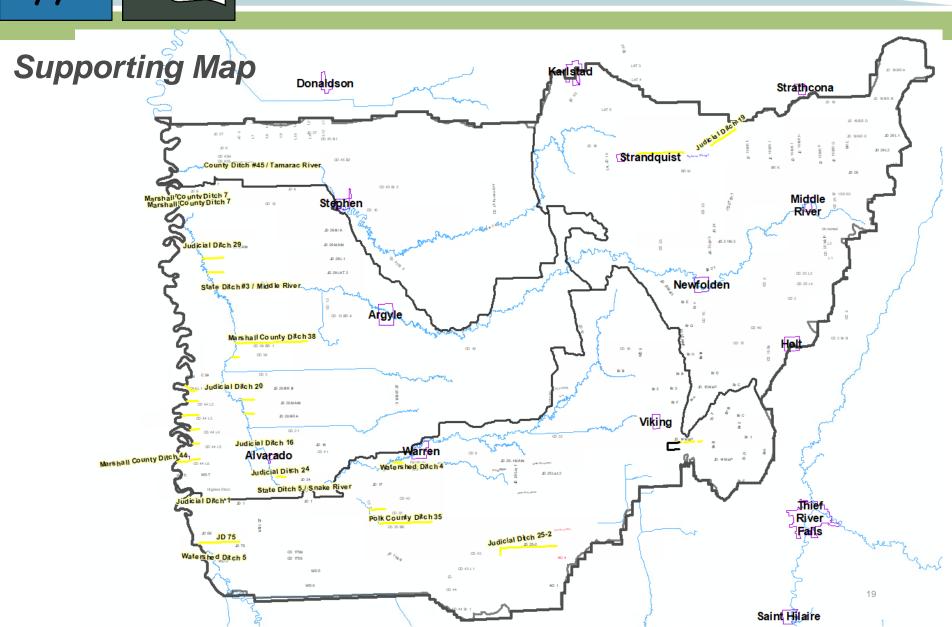
Most severe along Red
 River and in the northwest
 areas of the District

#### **Actions:**

 Increase culvert sizing to remove waters before the peak flow arrive, slow water down from the east through impoundments/culvert sizing, remove debris and maintain the rivers/drainage systems to allow for waters to continue downstream.











## Short term goal:

Miles or feet of ditch stabilized / restored / enhanced

#### Long Term:

- [Placeholder for AC meeting fix / enhance all?]
- Adequate drainage of all land (10-year event)





## Issue statement and planning region priority...

Category	Priority by Planning Region	Issue Statement
<b>"""</b>	Lover Tonury Machinery	Altered hydrology and inconsistent flow impacting geomorphology and aquatic life
	Liner Tanasc (Nazholes)	Economic and ecological impacts of <b>flooding</b> on the landscape





## Actions and prioritized resources / areas...

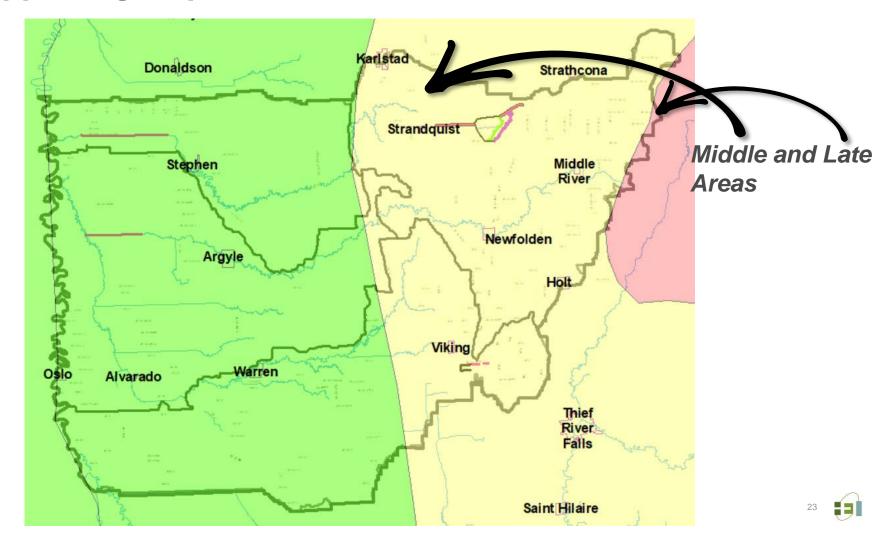
Action	Resource Focus / Area
Capital Improvement Projects (i.e. Impoundments)	See CIP map
Agricultural practices	"Middle" and "Late" areas
Ag. Levy maintenance and repair along the Red	Red River
Conservation practices in environmentally sensitive areas (i.e. wetlands and floodplains)	"Middle" and "Late" areas
Grade stabilization and sluff repairs	CD #45 / Tamarac River and SD#3 / Middle River

Ring dikes if needed





## Supporting map...







Initial goals... Open Word Doc

# **ROADMAP FOR TODAY**

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#### **PTMAPP**

## Next steps:

- Complete planning scale hydroconditioning
- Local review
- Run PTMApp for entire plan area

#### PTMAPP: PRIORITY RESOURCE POINTS

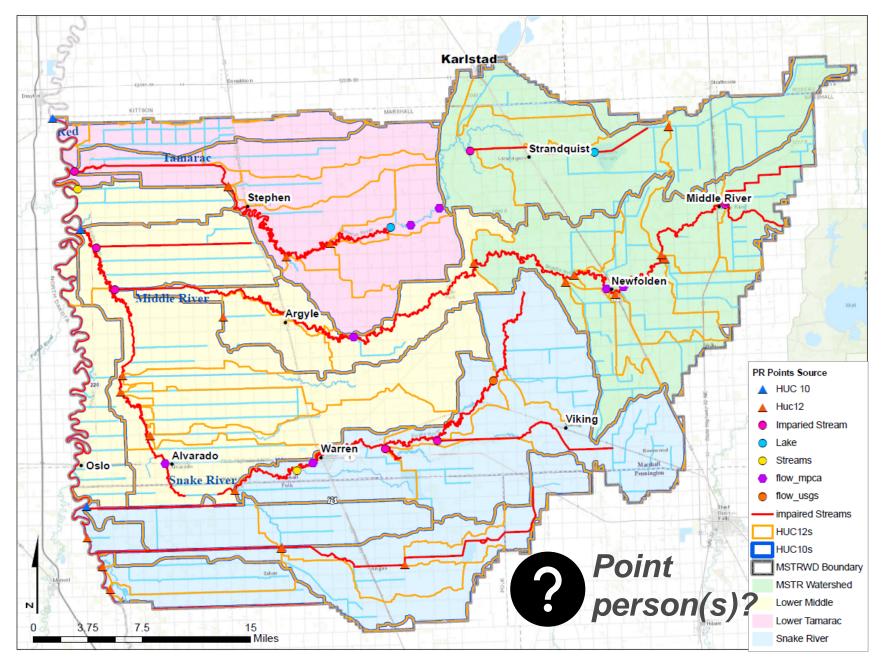
# **Priority Resource Points:**

 Locations where you get loading information from PTMApp

# Things to Consider:

- Watershed (and subwatershed) outlets
- Downstream of impaired waters
- Lakes / reservoirs / impoundments
- Locations of large projects

## DRAFT PRIORITY RESOURCE POINTS





# **Questions / Discussion**

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