



# COON CREEK WATERSHED DISTRICT

TMDL Progress Update

WBIF Kickoff

2/13/25 TAC Meeting



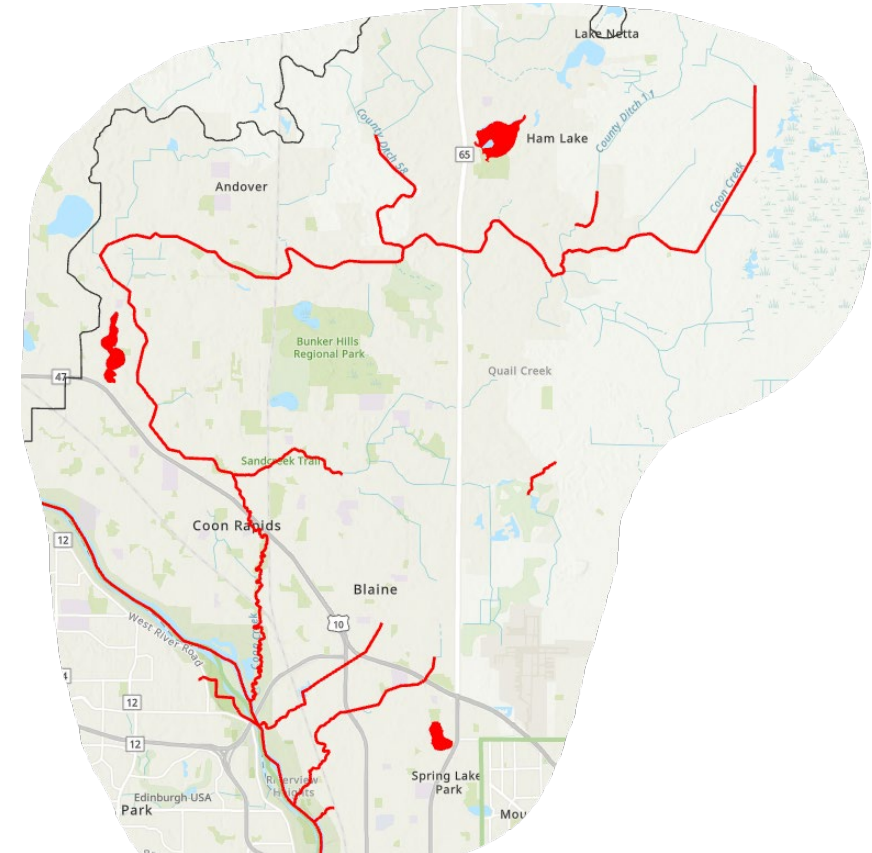
# Water Quality Problems

## WQ impairments

- 4 Aquatic Consumption (mercury, PCBs)
- 9 Aquatic Recreation (E. coli, Fecal Coliform)
- 11 Aquatic Life (Macroinvertebrates, Fish, CI)

## Multiple stressors to aquatic life identified:

- Chlorides
- TSS
- TP
- Dissolved oxygen
- Poor habitat/ connectivity
- Altered hydrology



*Impaired Waters*



# WQ Trends

## **Increase in infiltration, storage, & treatment due to development/redev standards**

- 2024 permitted activities > non-deg: 1,098,484 cf treated vs 424,655 cf required
- Many areas remain with undersized infrastructure or lack of BMPs

## **Steady progress on addressing particulate pollutants via bank stabilization, settling, & sweeping**

- ↓ stormflow TSS

## **Some progress on addressing dissolved P**

- Filters and ponds functioning
- TP stable

## ***E. coli* highly variable; no trends detected**

- Recent implementation of BMPs targeting bacteria (biochar filters, pet waste disposal)
- Recent evidence of widespread leaky sanitary sewer infrastructure

## **Increasing chlorides including in shallow groundwater**



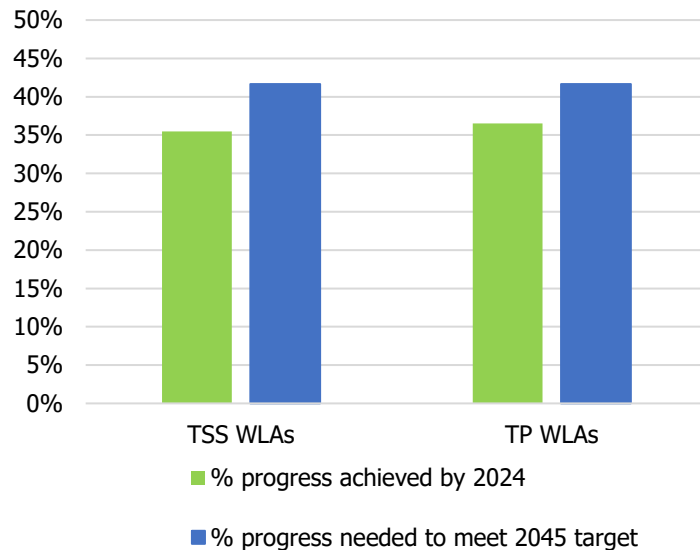
# TMDL Progress Summary

$$\text{TMDL} = \text{WLA} + \text{LA} + \text{MOS} + \text{RC}$$

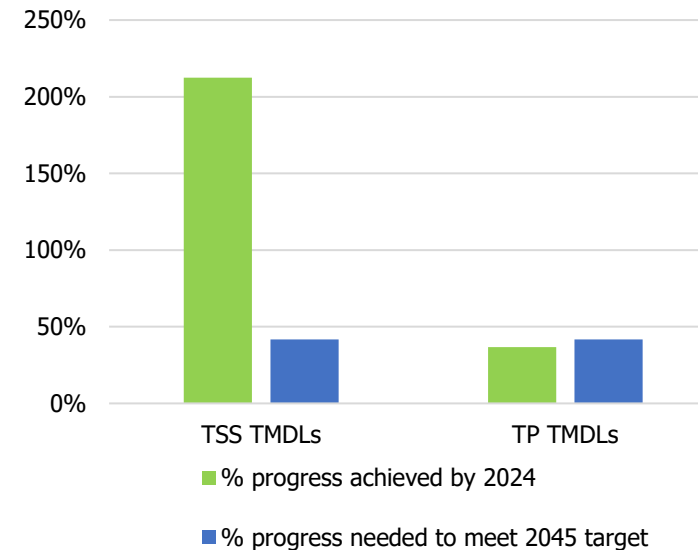
*"Total Maximum Daily Load = Wasteload Allocation + Load Allocation + Margin of Safety + Reserve Capacity"*

*Allowable # pollution = Regulated Stormwater Sources + Unregulated Non-Point Sources + 10% unallocated*

TMDL **MS4 WLA** Compliance  
(all impaired streams)



Overall TMDL Progress Summary  
(all impaired streams)



# Watershed Based Implementation Funding (WBIF) Overview

**Purpose:** non-competitive grant funding to accelerate clean water activities towards achieving Minnesota's water resources goals through prioritized and targeted cost-effective actions with measurable water quality results.

FY24-25 Coon Creek Watershed Area Allocation: **\$294,100**  
(10% match required for a total project cost of at least \$323,510)

**Eligible activities:**

*Prioritized, Targeted, & Measurable* projects/programs with primary purpose of water quality improvement referenced in implementation section of CCWD Comprehensive Plan



# Watershed Based Implementation Funding (WBIF) Process

1. The Coon Creek Watershed Planning Area Partnership establishes a facilitator, decision-making criteria, and voting representatives
2. Partnership hosts a "Convene Meeting" to vote on project(s): **March TAC 3/13/25 at 8:30am**
3. Budget Request is submitted to BWSR for approval
4. Grant agreement is Executed between BWSR and eligible entity



# Watershed Based Implementation Funding (WBIF) Timeline

**July 1, 2024:** Funding Request Open

**October 7, 2024:** CCWD 2024-2033 Comp Plan Approved

~**March 31, 2025:** Submit preliminary list of proposed activities to BWSR

**April 30, 2025:** Submit formal Funding Request in eLink

**June 1, 2025:** Grant Execution Deadline

**December 31, 2027:** Grant Agreement Expires



# WBIF Kick-off Meeting Objectives

<b>1. Choose a facilitator</b>	<b>4. Decide how to select activities for funding</b>
<b>2. Choose representatives for decision-making panel</b>	<b>5. Review Draft list of eligible projects</b>
<b>3. Choose decision-making process</b>	<b>Next Month:</b> <ul style="list-style-type: none"><li>• Vote on project(s)</li><li>• Select which entity will be fiscal agent</li></ul>





# WBIF Kick-off Meeting Objectives

<p><b>1. Choose a facilitator</b></p> <ul style="list-style-type: none"><li>• Justine Dauphinais, CCWD</li><li>• Other volunteers?</li></ul>	<p>4. Decide how to select activities for funding</p>
<p>2. Choose representatives for decision-making panel</p>	<p>5. Review Draft list of eligible projects</p>
<p>3. Choose decision-making process</p>	<p>Next Month:</p> <ul style="list-style-type: none"><li>• Vote on project(s)</li><li>• Select which entity will be fiscal agent</li></ul>



# WBIF Kick-off Meeting Objectives

1. Choose a facilitator	4. Decide how to select activities for funding
<b>2. Choose representatives for decision-making panel</b> CCWD: Tim Kelly or designee ACD: Chris Lord or designee Two City Representatives	5. Review Draft list of eligible projects
3. Choose decision-making process	Next Month: <ul style="list-style-type: none"><li>• Vote on project(s)</li><li>• Select which entity will be fiscal agent</li></ul>



# WBIF Kick-off Meeting Objectives

<b>1. Choose a facilitator</b>	<b>4. Decide how to select activities for funding</b>
<b>2. Choose representatives for decision-making panel</b>	<b>5. Review Draft list of eligible projects</b>
<b>3. Choose decision-making process</b> <ol style="list-style-type: none"><li>1. Committee Consensus (n=4). Re-vote if split.</li><li>2. Majority vote of committee (<math>\geq 3</math>). Re-vote if split.</li><li>3. Tiered majority vote<ul style="list-style-type: none"><li>• Preliminary Majority Vote by Whole Group</li><li>• Final Confirmation Vote by Committee (<math>\geq 3</math>)</li><li>• If tie, Discuss and vote again</li></ul></li><li>4. Other?</li></ol>	<b>Next Month:</b> <ul style="list-style-type: none"><li>• Vote on project(s)</li><li>• Select which entity will be fiscal agent</li></ul>



# WBIF Kick-off Meeting Objectives

<b>1. Choose a facilitator</b>	<b>4. Decide how to select activities for funding</b> <ol style="list-style-type: none"><li>1. Develop list of potential activities from eligible plans</li><li>2. Divide funding among eligible entities in equitable manner (\$294,100 ÷ 9 = \$32,678)</li><li>3. Select priority water bodies or area(s)</li><li>4. Use agreed upon selection criteria (e.g. acres treated, \$/lb TP)</li><li>5. Use other process approved by BWSR</li></ol>
<b>2. Choose representatives for decision-making panel</b>	<b>5. Review Draft list of eligible projects</b>
<b>3. Choose decision-making process</b>	<b>Next Month:</b> <ul style="list-style-type: none"><li>• Vote on project(s)</li><li>• Select which entity will be fiscal agent</li></ul>



# WBIF Kick-off Meeting Objectives

<b>1. Choose a facilitator</b>	<b>4. Decide how to select activities for funding</b>
<b>2. Choose representatives for decision-making panel</b>	<b>5. Review Draft list of eligible projects</b> <ul style="list-style-type: none"><li>-CCWD 2024-33 Comp Plan Implementation Section</li><li>-CIP pp. 170-207</li><li>-WQ implementation strategies pp. 342-353; see Tables 3.29 and 3.30</li></ul>
<b>3. Choose decision-making process</b>	<b>Next Month:</b> <ul style="list-style-type: none"><li>• Vote on project(s)</li><li>• Select which entity will be fiscal agent</li></ul>



# Eligibility Criteria

## **Structural and non-structural activities with primary benefit of WQ**

- 10-yr life expectancy of BMPs and 25-yr life expectancy for capital improvements
- Non-structural practices must exceed minimum requirements and current operations
- Analyses intended to identify and accelerate WQ project implementation

**Program and project support** including staffing, grant management, reporting, public engagement

**Easement acquisition** with prior BWSR approval

**Technical and engineering assistance** necessary to implement activity

*Ineligible: monitoring, general education/outreach, household water conservation, wastewater and drinking water systems, maintenance, drainage/conveyance, land acquisition, required activities*



# List of Eligible Activities in CCWD Comp Plan WQ Implementation Section 2024-27

## **Water Quality Protection/ Pollutant Source Reduction**

1. Lake Management Plan Implementation (Crooked, Ham, Sunrise)
2. Smart Salting implementation (training, equipment, etc)
3. Enhanced Sweeping implementation (equipment, additional contracted sweeping, increased in-house effort)
4. Pet Waste Disposal Stations and Servicing

## **Water Quality Restoration**

1. Bank Stabilization: top-ranking sites Districtwide
2. Stream Corridor Restoration: Coon Cr@ WDE site, 131<sup>st</sup> to Main, Main to Hanson, Medtronic
3. Aquatic Organism Passage enhancements: top-ranking; SandCr@XeonBlvd, LowerCoonCr@low-head weir, RR crossings)
4. Repair/Revitalization of existing BMPs at end of life
5. Field Scale demonstration of emerging BMPs incl smart outlets, permeable concrete, heated pavement, filter media...
6. "Opportunistic BMPs" as part of development/redevelopment projects
7. Subwatershed Plan Implementation (top-ranking WQ projects)
  - Oak Glen Cr: rain garden retrofits, Madsen Park rehab
  - Springbrook Cr: Aquatore Park, Evergreen Ponds, or SBNC storage and treatment, habitat enhancement
  - Pleasure Cr: Swan Park, 96<sup>th</sup> Pond, MnDOT Pond storage and treatment, habitat enhancement
  - D39: Bridgewater Filter S & N, Little League Park BMP
  - D37: Rural Reserve Regional BMP
  - D60: Happy Acres Park storage/treatment, Blaine Baseball Complex SW re-use, TBD
  - D41: TBD



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7. Subwatershed Plan Implementation (top-ranking WQ projects)

## **WQ Improvement Planning**

1. Subwatershed plans: Stonybrook, D52, Lower Coon Cr, D58
2. Districtwide volume reduction (infiltration, storage, re-use) study
3. Districtwide P8 model
4. Road diet study
5. Coon Creek stream restoration potential/use attainability assessment (MN SQT)





How do we narrow down and refine the list for voting at next TAC meeting?



# List of Eligible Activities in CCWD Comp Plan

## Water Quality Protection/ Pollutant Source Reduction

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## Water Quality Restoration

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## WQ Improvement Planning

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AutoSave Off Project Ranking - Saved to this PC

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B13

	A	B	C	D	E
1	<b>WQ Activity</b>	<b>Description</b>	<b>Constraints?</b>	<b>Ranking (1-8)</b>	<b>Notes:</b>
2	Smart Salting Implementation	Anything related to reducing winter maintenance salt use	buy-in from salt applicators		
3	Enhanced Sweeping	Optimizing or increasing sweeping effort to reduce pollutant loading; see CCWD Sweeping Study recommendations	buy-in from road authorities		
4	Aquatic Organism Passage Enhancements for top-ranking barriers	Alleviating barriers to fish and macroinvertebrate passage to improve stream habitat connectivity; See CCWD AOP study results	permitting timelines		
5	Repair/Revitalization of Existing BMPs at end of life	Repair/Revitalization of Existing BMPs at end of life. ID of specific BMPs would be required by owners/sponsors	coordination with owners		
6	Field Scale Demonstration of Emerging BMPs	Pilot applications of innovated BMPs such as smart outlets, permeable concrete, heated pavement, filtration media, etc.	quantification of benefits		
7	Opportunistic BMPs as part of public devel/redevelopment	Capitalizing on opportunites to go above-and-beyond required treatment as part of municipal construction/ reconstruction projects such as oversizing BMPs; ID of specific projects/sites required	undefined		
8	Subwatershed Plan Implementation	Design/construction of top-ranking WQ BMPs identified in Subwatershed plans	variable project readiness		
9	WQ Improvement Planning/ Assessments	planning efforts that inform/accelerate implementation of WQ projects such as WQ models, BMP siting efforts, etc.	no direct measurable benefit to receiving waters		
10					
11					
12	<b>Please indicate your top ranking projects in each category:</b>	<b>Description. Write in up to 2 project ideas per category as applicable.</b>	<b>Constraints?</b>	<b>Pick up to 2 from each category. Mark with "x"</b>	<b>Notes:</b>
13	<b>Smart Salting Implementation:</b>				
14	Hosting trainings				
15	Equipment upgrade, please specify:				
16	Other, please specify:				
17	Other, please specify:				
18	<b>Enhanced Sweeping:</b>				
19	Contracted sweeping in priority areas				
20	Equipment purchase, please specify:				



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<b>3. Choose decision-making process</b>	<b>Next Month at March TAC 3/13:</b> <ul style="list-style-type: none"><li>• Vote on project(s)</li><li>• Select which entity will be fiscal agent</li></ul>



Questions?  
Comments?

Thank you!

