

One Watershed, One Plan Overview

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Ongoing Implementation

Monitoring and Assessment

Watershed Characterization & Problem Investigation

Restoration and Protection Strategy Development

Comprehensive Watershed Management Plan



Funding and technical assistance for locally implemented watershed restoration and protection projects

Monitor pro implementat



Technical assistance for projects

Shoreland and floodplain

Permitting

management

Fish and plan Mercury in f

Aquifer level



Well sealing cost share

drinking war Bacteria mor Superior bea

croundwater

Fish and mad

Surface water

Pesticides in

groundwater

Nitrate in gr

(streams)

Source water



pate on interagency hed teams developing (with all agencies)

Comprehensive Watershed Management Planning (One Watershed, One Plan)

Local water and watershed plans



Input on local conservation actions informed by statewide plans for prairies, forests, etc.

Water supply planning and groundwater management areas (with Met Council)

water protection planning fication of problems, and opportunities)

instruction management

Guidance for infiltration in DWSMAs

Source water protection planning (local measures and strategies)



MATURAL RESOURCES

MINNESOTA

compliance

Minnesota Pollution Control Agency



Technical assistance and demonstration projects

NPDES permit programs, SSTS Water chem

Loans and grants for water infrastructure project

Grants for Clean Water Partnership, Great Lakes Restoration, stormwater and wastewater treatment (PFA)

Ag BMP loans

MN Agricultural Water Quality Certification Program

Implement Pesticide and Nitrogen Fertilizer Management Plans

> Lake, stream flow, chemis Effluent mo

Impervious surface and land

Groundwater mapping and

older agreement on broad Provide WRAPS for incorporation ion strategies (WRAPS)

report - includes nentation table

to EPA

de use

hed restoration and

ctices and management s, nitrogen fertilizer and

pate on interagency teams ping WRAPS

tive cover

pate in WRAPS and local planning teams

water supply plan Groundwater management areas

into local plans Input on management strategies

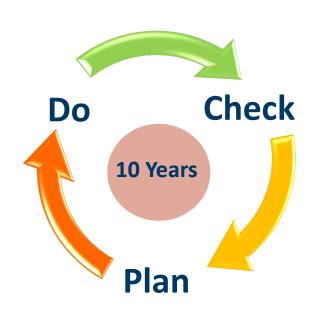
informed by statewide nutrient plan

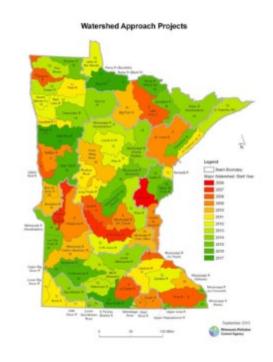
Input on management strategies informed by pesticide and nitrogen fertilizer management plans

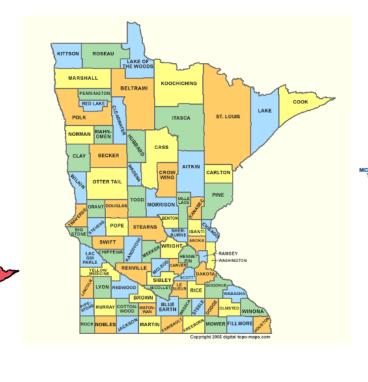
Participate in review of local water and watershed plans (metro area); local water supply plans; and comprehensive land use plans (metro area)



The Watershed Approach







North

Central

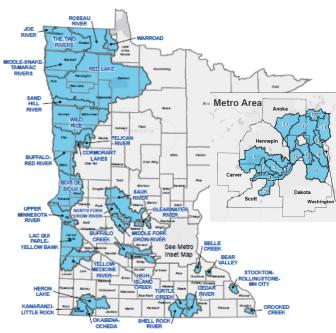
Central

Northwest

Southwest

West Central Northeast

Southeast 5



Minnesota Water Planning Authorities

 Regulations and land management (zoning, SSTS, shoreland, wetland, feedlot, forestry)

Drainage

Public Health

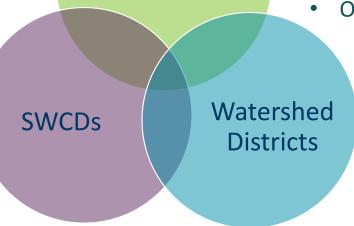
 Investigate problems and identify preventative practices

 Implement projects with land occupier consent – provide technical and financial help

 Can accept delegation of local ordinances and controls



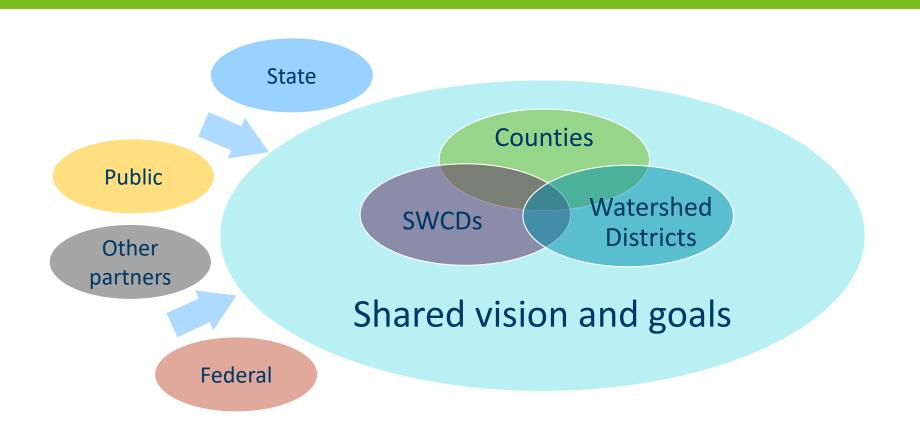
- Monitoring
- Capital Projects
- Outreach Programs



Counties



Planning Concept



Evolution of Water Planning





1937: Soil Conservation Law



1955: Watershed Act



1972: Federal Clean Water Act



1982: Metro Surface Water Mgmt. Act

1930s

1940s

1950s

1960s

1970s

1980s



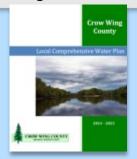
1938: First SWCD



1957: First Watershed District

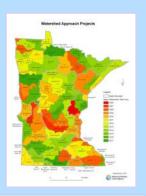


1987: County Water Management Act





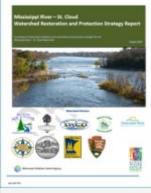
2002: Legislative Auditor's Report



2006: Clean Water Legacy Act



2010: Local Gov't Water Rountable



2013: Clean Water Accountability Act

2015

2013



2017: Watershed Based Funding



2008: Clean Water Land & Legacy Amdt



2008

2012: Local water mgmt. coordination

2011



2015: Comprehensive Watershed Management Plans



2018



2004: Annandale & Maple Lake case







Develop prioritized, targeted and measurable local implementation plans aligned with state strategies on major watershed boundaries.

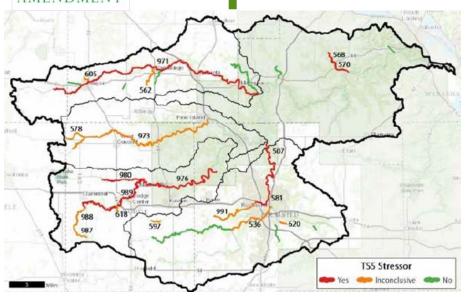


One Watershed, One Plan Participating Watersheds Two Rivers Plus Lake of the Woods Mississippi i Leach Lake Lake Superior North Pine River Nemadii River Buffalo -Red River Legend 7 County Metro Area 1W1P Planning Boundaries * Major Watersheds Approved Plan Grant Recipients - 2016 Mustinka/ Bols de Grant Recipients - 2017 Sloux River Grant Recipients - 2018 Pomme Lower St. Crolx de Terre River Zumbro River Yellow Medicine River Hawk Creek Root River Middle Minnesota Missouri River Basin Watonwan River **BWSR** Shell Rock River April 2019 Not legal boundaries; intended for planning purposes through One Watershed, One Plan only



Planning links data to action

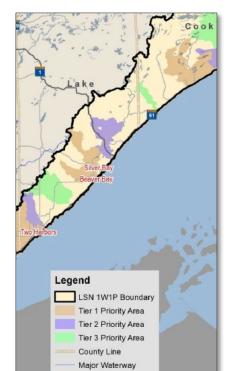




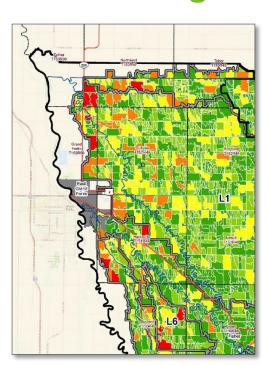


Prioritize, Target, Measure

Prioritize



Target

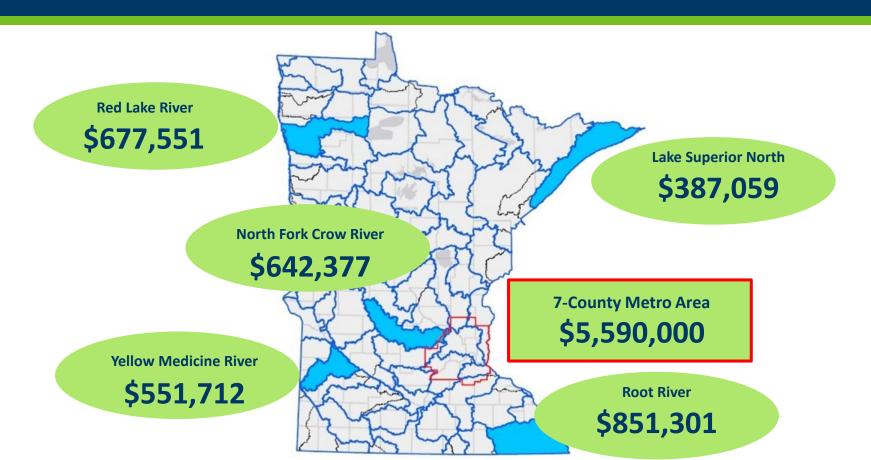


Measurable Goal

	Root River	
	Sediment Reduction Goals	
Goal	10-Year	Long-Term ^(a)
Tons/year	6,440	31,321
Percent	21	45

Long-term goal based on MN Sediment Reduction Strategy

Watershed-Based Funding Pilot Program





One Watershed, One Plan Guidebook

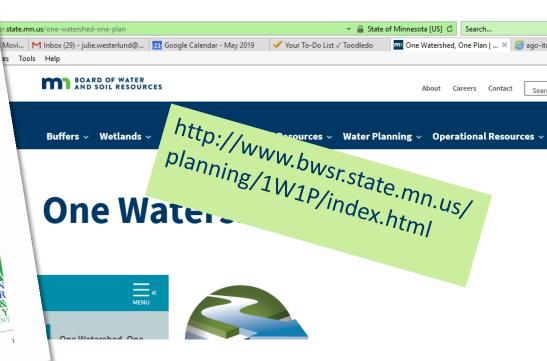


The One Watershed, One Plan Guidebook is a series of supporting information The One watershed, One Plan - Plan Content Requirements. The documents for the One Watershed, One Plan - Plan Content Requirements. The documents on the variety of the range range of the considerations to help stimulate decimal definitions, examples, and considerations to help stimulate discussions and provide direction as planning groups move through each phase of the planning process. The following is not program policy, but rather, is intended to the planning process. The following is not program pointy, but rather, is the serve as a resource and point of reference for developing comprehensive watershed management plans.

- One Watershed, One Plan Plan Content Requirements For program policy, please see: One Watershed, One Plan Operating Procedures
 - One Watershed, One Plan Guiding Principles



More Information on 1W1P



www.bwsr.state.mn.us