



SHERBURNE SWCD

2019 Annual Plan of Work
Adopted 3/14/2019

Contents

Annual Objectives	2
District Programs	2
Aquatic Invasive Species Program (AIS)	2
Board of Adjustments Reviews	2
Forest Resource Services	2
Gravel Bed Tree Program	2
Irrigation Water Management	2
Lakes, Rivers & Wetland Stewardship	2
Local Water Management (LWM)	3
Monitoring	3
Nitrogen Fertilizer Management Plan	3
Nutrient Management	3
Prairie/Pasture Management Program	3
Stormwater Pollution Prevention Plan (SWPPP)	3
Tree Planting	3
Tree Program	4
Vegetative Cover Incentive Programs	4
State Programs	4
Agriculture Best Management Practices Loan Program (AgBMP)	4
BWSR Grant Programs	4
Buffer Program	4
Clean Water Funds Grants (CWF)	4
DNR Observation Well Monitoring	4
MN Agriculture Water Quality Certainty Program (MAWQCP)	4
MN State Cost Share	5
Re-invest in Minnesota Resource Program (RIM/WRE)	5
TMDL / WRAPP/ 1W1P	5
Wetland Conservation Act (WCA)	5
Watershed Pollutant Load Monitoring Network (WPLMN)	5
Federal Programs	5
Federal Programs	5
Education / Outreach Activities	5
Educational & Community Outreach	5
Contest/Awards	6
Partnerships/ Committees / Associations	6
Elk River Watershed Association Joint Powers Board (ERWA)	6
Metropolitan Conservation District JPB - Technical Service Area (MCD)	6
Metropolitan Area Conservation Districts (MACD)	6
MN Forestry Association (MFA)	6
MN Shade Tree Advisory Committee (MNSTAC)	6

MN SWCD Forestry Association6
Plant Materials Learning Center Board (PMLCB)6
Sherburne County Coalition of Lake Associations (COLA).....7
Water Plan Advisory Committee / AIS Task Force7
Other7
Annual Budget – 2019.....8

Annual Objectives

The purpose of this Annual Plan is to set realistic goals that can be accomplished by the Sherburne Soil & Water Conservation District (SSWCD), and to specify those objectives that SSWCD will work towards annually.

Objective 1: Protect and/or Improve Water Quality and Quantity

Objective 2: Promote Healthy Soils - Reduce Soil Loss from Wind & Water Erosion

Objective 3: Provide Forest Management Support to Landowners and Communities

Objective 4: Protect, Enhance, and Establish Native Habitat

Objective 5: Increase District Awareness and Promote Comprehensive Community Education

District Programs

Aquatic Invasive Species Program (AIS)

Sherburne County delegated the responsibility of developing and implementing an AIS Prevention Plan, utilizing the funds provided by the State of Minnesota through the DNR AIS Prevention Fund. In the first year of the program, the SSWCD (with assistance from a local AIS Task Force) developed a five year plan which will be updated annually and provided to the County Board for approval. Plan elements include initiatives to prevent AIS introduction to/from Sherburne County and limiting the spread within the county limits. Activities include efforts such as education and awareness, enforcement of AIS laws through watercraft inspections and partnerships with the Sherburne County Sheriff's Department, early detection and rapid response actions. The SSWCD will also empower local lake associations and districts through a county AIS grant program and collaborative Coalition of Lake Associations (COLA).

Board of Adjustments Reviews

At the request of Sherburne County Planning and Zoning staff, in late 2017 SSWCD staff began reviewing Variance Requests that were submitted to County staff and the Board of Adjustments from local residents. Often, variance requests involve matters pertaining to impervious surfaces or shoreland setbacks which would influence stormwater quality/quantity and surface water runoff to lakes. SSWCD is able to provide commentary on the waterbodies these properties drain to, bring up concerns they have that may originate from the proposed developments, and most importantly offer an alternative plan or pollution mitigation plan that the landowner may implement in their development design. SSWCD comments are sent to County staff, who integrate them within their comments to Board of Adjustments Directors.

Forest Resource Services

The SSWCD offers tree inspections and develops management plans that provide landowners with the information they need to manage their forests for a variety of products and services. The SSWCD administers the citizen pruner program for the cities of Becker, Big Lake, Princeton, Elk River, Clear Lake, and Zimmerman. The SSWCD also administers the woodpecker activity Survey to promote early detection of EAB

Gravel Bed Tree Program

The SSWCD operates a 100 capacity gravel bed nursery in cooperation with Sherburne County Public Works. Conditioned trees are used to increase climate change resilient species in communities to increase sustainability if tree services including stormwater mitigation, energy savings and moderation of urban heat island effect.

Irrigation Water Management

The SSWCD implements the Irrigation Water Management Program using weather station information, weekly crop water use reports and evapotranspiration data, and provides technical assistance to operators. Staff assists operators using the checkbook method and innovative technology; the SSWCD has 6 AgSense units available for farmers to use.

Lakes, Rivers & Wetland Stewardship

Assist Lake Associations and other groups to develop monitoring and management programs for lakes and streams, with emphasis on training volunteers and students to conduct monitoring; SSWCD will coordinate data management and assist landowners with shoreland and stream bank resource concerns.

Local Water Management (LWM)

The Water Management Plan (LWMP) focuses on the quality and quantity of surface water and groundwater and related uses that effect water resources. The purpose of the Water Management Plan is:

- Identify existing and potential problems or opportunities for the protection, management, and development of water resources and related land resources in the county.
- Identify priority concerns to be addressed during the effective time frame of the plan.
- Develop and implement a plan of action to address priority concerns.

The Water Management Plan applies to the entire geographic area of Sherburne County including incorporated and unincorporated area.

Monitoring

SSWCD began a partnership with City of Elk River staff to monitor Lake Orono tributaries during a subwatershed assessment and has continued this monitoring from 2015 through 2017. SSWCD staff also works closely with city staff and the Lake Orono Improvement Association to monitor Lake Orono for a variety of environmental parameters and determining potential management options to address several lake impairments. SSWCD also monitors the Elk River for bacteria impairment (outlined in a 2012 TMDL) and for nutrient loads through a partnership with the MPCA's WPLMN program. In 2017, additional monitoring was completed using DNA genetic markers in an effort to determine sources of impairment to the river. The SSWCD will assist the Mississippi River St. Cloud Watershed partnership in collaboration with MPCA staff to assess priority waterbodies during 2019-2020. This work is in preparation for WRAPS Cycle 2.

Nitrogen Fertilizer Management Plan

The MDA is the state's lead agency for nitrogen fertilizer and management, the Nitrogen Fertilizer Management Plan (NFMP) outlines how MDA addressed elevated levels of nitrate in groundwater. The SSWCD has partnered with MDA as a pilot county to implement the NFMP in Sherburne County utilizing a Local Advisory Team (LAT) consisting of farmers and local agribusinesses. The partnership began in 2017.

Nutrient Management

Nutrient Management Planning is a process that helps producers identify and manage the location, rate, timing, form, and method of all nutrient applications. The goal is to optimize crop yields while minimizing nutrient movement. SSWCD offers technical assistance to landowners who are developing nutrient management plans. SSWCD also offers assistance in manure composting and manure composting systems.

Prairie/Pasture Management Program

The Prairie/Pasture Management Improvement Program is available to all county residents who own or manage prairie/pastures. This program was developed to assist landowners in improving the quantity and quality their prairie/pastures. It includes soil testing, interpretation of the University of Minnesota soil test results, evaluation, and a prairie/pasture management plan.

Stormwater Pollution Prevention Plan (SWPPP)

SSWCD partners with staff from County Public Works and County Planning and Zoning to collectively address and report stormwater issues. The SWPPP team plans occasional stormwater networking and education events, collaborates on state-required stormwater reporting documents, and strives to address the stormwater related goals in the Local Water Management Plan.

Tree Planting

The SSWCD will assist landowners in establishing windbreaks and other tree plantings by providing tree planting services for a fee.

Tree Program

The tree program will only sell bare root stock trees in multiples of 25; thereby promoting the SSWCD philosophy of selling trees for conservation (woodlots, windbreaks, shelterbelts, erosion control, soil and water conservation, or permanent food and cover for wildlife) and not ornamental uses.

Vegetative Cover Incentive Programs

The SSWCD works with local landowners interested in planting cover crops or establishing native prairie and buffers to improve soil health and wildlife habitat.

State Programs

Agriculture Best Management Practices Loan Program (AgBMP)

This program loans money to farmers, agricultural supply businesses, and rural landowners for implementing practices that prevent or mitigate nonpoint source water pollution and are listed as priorities in locally developed water plans.

BWSR Grant Programs

The Minnesota Board of Water and Soil Resources (BWSR) is a state agency that assists local governments to manage and conserve their irreplaceable water and soil resources. BWSR accomplishes this mission by providing financial, technical and administrative help to local governments throughout the state.

Buffer Program

The Minnesota Buffer Law was passed in 2015 and requires landowners to install buffer strips along State Protected Waters and Public Drainage Ditches. It is the responsibility of the SSWCD to provide notification that a parcel may be deemed non-compliant and to help ensure that compliance is reached by the dates required. It is the responsibility of the SSWCD to track compliance in BuffCAT, the Board of Water and Soil Resources tracking tool, and provide technical assistance to landowners in an effort to meet compliance. The SSWCD is not a regulatory agency and does not provide enforcement of the Buffer Law.

Clean Water Funds Grants (CWF)

On November 4, 2008, Minnesota voters approved the Clean Water, Land & Legacy Amendment to the constitution to: protect drinking water sources; protect, enhance, and restore wetlands, prairies, forests, and fish, game, and wildlife habitat; preserve arts and cultural heritage; support parks and trails; and protect, enhance, and restore lakes, rivers, streams, and groundwater. The SSWCD is currently administering the following grants:

- FY17 Local Capacity Grant
- FY18 Local Capacity Grant
- FY19 Local Capacity Grant
- Lower Elk River Watershed Phase II Bacteria Reduction Grant – CWF2018
- Sherburne County Targets Nitrate Reduction BMP Implementation – CWF2019

DNR Observation Well Monitoring

SSWCD staff monitor wells for depth and ground water trends. 18 wells are monitored, and data is used by the DNR.

MN Agriculture Water Quality Certainty Program (MAWQCP)

The Minnesota Agricultural Water Quality Certification is a voluntary program that provides the opportunity for farmers and landowners to take the lead in implementing conservation practices that protect our surface and ground water. Certified farmers are deemed to be compliant with any new water quality rules or regulations during their period (up to 10 years) of certification. Certification is a three-step process; application, assessment, and verification. The SSWCD assists the farmer

with the application and assessment, a licensed certifier completes the verification, and the farm is then eligible for certification.

MN State Cost Share

The state cost-share program was established in 1977 to share the cost of practices for erosion or sedimentation control or water quality improvement that are designed to protect and improve soil and water resources. These funds are generally used for projects such as: shoreline restoration, stormwater runoff control, and erosion control. Refer to District Cost Share Program Guidelines.

Re-invest in Minnesota Resource Program (RIM/WRE)

The RIM conservation easement program retires marginal, highly erodible agricultural land to protect soil and water quality and support fish and wildlife habitat.

TMDL / WRAPP/ 1W1P

Total Maximum Daily Load (TMDL) is mandatory for impaired waters under the Federal Clean Water Act. The SSWCD provides consulting services, equipment, and monitoring activities. Watershed Restoration and Protection Project (WRAPP) is a watershed wide assessment and monitoring effort that will result in an implementation plan that will prescribe restoration and protection strategies for the surface water resources within the watershed. The One Watershed One Plan (1W1P) was developed to align water planning on major watershed boundaries with state strategies towards prioritized, targeted and measurable implementation plans. SSWCD staff continues to hold discussions with our watershed partners on these initiatives and pursues opportunities as they arise.

Wetland Conservation Act (WCA)

The SSWCD assists landowners with project applications and wetland determinations. The SSWCD is a member of the Technical Evaluation Panel that reviews all projects that may impact a wetland. The Wetland Conservation Act is administered by several local governmental units in Sherburne County.

Watershed Pollutant Load Monitoring Network (WPLMN)

State wide monitoring program administered by the Minnesota Pollution Control Agency (MPCA). The SSWCD is responsible for 3 sites, 2 of which are in Sherburne County (Clearwater River, Elk River, St. Francis).

Federal Programs

Federal Programs

Assist with activities of the 2018 Farm Bill, Environmental Quality Incentives Program (EQIP), Conservation Stewardship Program (CSP), Conservation Reserve Program (CRP), and Agricultural Conservation Easement Program (ACEP). The SSWCD will conduct local work group meetings for EQIP

Education / Outreach Activities

Educational & Community Outreach

- Annual Volunteer Appreciation Dinner
- Bi-Weekly Newspaper Articles, Quarterly E-Newsletter, Environmental Educator Newsletter
- Conservation Tour of Practices
- Educational, Community, & Professional Presentations
- Elk River Watershed Cleanup Day
- Master Gardeners Expo in Big Lake
- Minnesota Envirothon
- Sherburne County Parade

- Social media
- Soil Health Activities
- Well Nitrate Testing and Clinics

Contest/Awards

- Long Lake Conservation Camp Essay Contest
- MASWCD Conservation Cooperator Annual Award Contest
- Sherburne County Poster Contest

Partnerships/ Committees / Associations

Elk River Watershed Association Joint Powers Board (ERWA)

The Elk River Watershed Association is a Joint Powers Board of Sherburne and Benton Counties and Sherburne and Benton Soil & Water Conservation Districts. This board was formed in 1994 to initiate projects to improve and protect water resources within the Elk River Watershed. The Elk River watershed consists of 613 square miles which is drained by the Elk River, St. Francis River and smaller tributaries. The Board consists of one county commissioner, one SSWCD supervisor and two members at large from each county. One staff member of each SSWCD is an ex-officio advisor to the Board. The SSWCD is the fiscal agent for the Elk River Watershed JPB.

Metropolitan Conservation District JPB - Technical Service Area (MCD)

The purpose of the MCD is to share ideas, identify issues, opportunities and solutions among Conservation Districts that have common metropolitan concerns regarding the protection and conservation of natural resources. In addition, the MCD works together to develop and implement joint activities for resource conservation. The Board consists of members of the eleven county Metropolitan Areas.

Metropolitan Area Conservation Districts (MACD)

The purpose of the Metropolitan Area Conservation District association is to provide opportunities for education, communication, cooperation, and coordination between and among its member Districts and affiliated partners.

MN Forestry Association (MFA)

The MFA works on behalf of family forest owners, through education and advocacy, to promote stewardship of woodlands. The Board meets monthly – every quarter is an in person meeting at the DNR Forestry Office in Cambridge from 10:00 – 3:00, with conference calls on the off months on the second Tuesday of the month from 8:00-9:00am.

MN Shade Tree Advisory Committee (MNSTAC)

MNSTAC is MN's State Tree Board and acts as the leading advocate for Minnesota's community forests to empower and educate Minnesota's citizen to maximize the coverage, health, quality, function and future of our community forests. The MNSTAC Board meets quarterly on the 3rd Thursday from 8:00-10:00am. Meeting location is rotated among Board hosts in the Metro Area.

MN SWCD Forestry Association

The MN SWCD Forestry Association exists to assist member districts in meeting the forestry and woodland management needs of their clientele. The organization creates a network of forestry professionals from not only SWCDs, but also MN BWSR, USDA NRCS and U of M Extension who meet every other month on the 3rd Thursday to provide one another with updates on programs, educational opportunities and legislative efforts. The meetings are held at the McGregor Community Center on Hwy 65 and run from 10:00 am to 3:00 pm.

Plant Materials Learning Center Board (PMLCB)

The SSWCD will conduct studies and determine performance and area of adaptation; development and release of improved plant materials; and transfer of technical information. The SSWCD will take part in the Plant Materials Center Learning Center Board. The PMLC Board works cooperatively with NRCS on selecting plant materials to be evaluated at the Plant Materials

site in Becker. The PMLC Board is responsible for annual in-row maintenance. The PMLC Board is comprised of one Supervisor and staff member from Sherburne, Stearns, Wright and Benton SWCDs. The PMLC Board meets annually or as needed. The PMLCB has decided to suspend all activity until further notice. With the re-location of the U of M Sand Plain Research Farm, the PMLCB will work cooperatively with the NRCS Plant Material Specialist and the U of M to determine if a new plant materials evaluation site can be established at the new location.

Sherburne County Coalition of Lake Associations (COLA)

The SC COLA was established in 2017, due to the efforts of numerous representatives from the county's 11 active lake associations as well as SSWCD staff. A SSWCD staff member serves on the SC COLA Board of Directors as an ex-officio (non-voting) member. The SC COLA strives to protect the waterways of Sherburne County through education, partnerships, leveraging resources as a larger group, information sharing, and advocacy.

Water Plan Advisory Committee / AIS Task Force

The Sherburne County Water Plan Advisory Committee advises the County on the development, implementation and revision of the Sherburne County Comprehensive Water Management Plan (the Water Plan) pursuant to Minnesota Statutes Chapter 103B. The Committee is an advisory committee and has no taxing, hiring or contracting authority. The AIS Task force was formed to assist with the Sherburne County AIS Work Plan. The AIS Task Force will meet twice a year immediately following the LWM Meeting.

Other

The SSWCD works with numerous partners every day to carry out our objectives. We partner with groups and organizations at the local, county, and state levels and actively seek out new partnerships to further our impact in Sherburne County.

Annual Budget – 2019

REVENUES	2018	2019
	Approved	Adopted
Intergovernmental Revenue		
County Levy		
County Allocation	\$263,226.15	\$ 282,112.93
Other Levy Funds		
Local Water Management	\$ 21,674.00	\$ 21,674.00
Subtotal	\$284,900.15	\$ 303,786.93
Other Revenue		
Local Water Management	\$ 8,094.00	\$ 8,094.00
Natural Resource Block Grant - WCA	\$ 5,000.00	\$ 5,000.00
Aquatic Invasive Species - Carry Over	\$ 38,092.00	\$ 59,791.19
Aquatic Invasive Species - Current Year	\$ 68,911.00	\$ 68,859.00
Enhanced Capacity - Parks	\$ 11,600.00	\$ 11,600.00
State Agencies - Agreements & Grants	\$429,104.59	\$ 476,084.00
Federal Agencies - Agreements & Grants	\$ -	\$ -
Charges for Services	\$ 31,900.00	\$ 33,900.00
Miscellaneous & Other Income	\$ 1,484.00	\$ 1,484.00
Subtotal	\$594,185.59	\$ 664,812.19
TOTAL REVENUES	\$879,085.74	\$ 968,599.12
EXPENDITURES		
District Operations		
Personnel Expenses	\$462,762.44	\$ 472,746.74
Operating Expenses	\$ 94,579.98	\$ 133,062.92
Total District Operations	\$557,342.42	\$ 605,809.65
District Expenditures		
District Projects Expense	\$121,817.80	\$ 75,370.29
State Agencies - Agreements & Grants	\$178,080.75	\$ 159,850.60
Federal Agencies - Agreements & Grants	\$ -	\$ -
Total District Expenditures	\$299,898.55	\$ 235,220.89
TOTAL EXPENDITURES	\$857,240.97	\$ 841,030.54