



# 2008 Annual Report

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# 2008 SWCD PROGRAM ANNUAL REPORT SUMMARY

## **District Board**

Ewald Gruetzmacher, Chairman  
Paul Krueger, Vice-Chairman  
Jim Schwingler, Secretary-Treasurer  
Scott Tracy  
Jim Fitzsimmons

## **District Staff**

Peter Beckius, Manager  
Willie Peters, Engineering Technician  
Jaime Rockney, Water Quality Technician  
Douglas Schoenecker, Urban Conservation Technician  
Scott Schneider, Resource Conservationist  
Shelly Tietz, Administrative Clerk  
Jodi Worm, Secretary/Communication Specialist  
Diane Hrabe, Secretary/Communication Specialist  
Ryan Holzer, Resource Conservation Technician  
Emily Javens, Engineer  
Dave Rickert, Bio-Mass Technician

## **Consultative Staff**

Peter Fryer, P.E.  
Mike Mayer, P.E.  
Gregg Thompson, Landscape Restoration Specialist  
Shawn Tracy, Landscape Restoration Specialist

## **Natural Resource Conservation Service Staff**

Katundra Shears, District Conservationist  
Andy Porupsky, Soil Conservation Technician  
Derrick Harmon, Soil Conservationist

## **Meetings Attended**

AMSWCD-TSA 8 – 12 (Board meetings, NPEAP Host District Meeting, NPEAP JPA, Dakota County-NPEAP)  
MASWCD Area IV Meeting- 3  
Bio-Mass – 8 (DNR-Biomass/Mark Lindqui Mangers-Bio-Mass Technician Work Plan, Rahr Bio Energy, Farm Bill Assistance Grant)  
Board Meeting-12  
BWSR/Manager – 2 (Quarterly WMO/BWSR/SWCD)  
Children's Water Festival-2  
Technical Meetings – 7 (City of Savage Program Review, Clark's Lake Restoration, Conservation Planner, CWF Planning)  
Credit River Twp. ESC Program review - 2  
Conservation Technical Advisory Committee -3  
GIS User Group- 2  
Health Insurance - 1  
LMRWD – 3 (Board Meeting/TAC)  
MASWCD -2 (Convention, Legislative Day at the Capital)  
Mdewakanton Sioux Watershed Plan TAC - 1  
MPCA – 6 (MPCA permit review, Mid Year Feedlot Program Review, MinnFARM update, MACFO Annual Conference, Organic Farming initiatives in planning, Regional CFO Meeting)  
No-Till Drill - 1  
PLSL – 10 (Outlet Channel review, Board meetings, Contractors Workshop, TAC, Water Quality, Interfluvu findings)  
SWCD/NRCS Program Retreat - 6  
Natural Resource Conservation Service – 5 (RMS Conservation Plan review for certification, SAFE Conference, Java)

Scott County Meetings – 14 (Sand Creek Geomorphology Study, Sand Creek Potential Projects, Sand Creek Public Meetings, Sand Creek TMDL, South/Dakota Collab, Oblique Imagery Onsite End User, Internal GIS User group, MS4 Committee Meeting)  
Scott County Board Meeting – 2  
Scott County Technical – 12 (Scott Co. Natural Resource Dept, CSAH ESC Program review, Pre-con/Edenvale Estates, Natural Area Cordidor)  
Scott WMO - 10 – (Group Meeting Workshop, Scott WMO CWP Sand Creek, Scott WMO Screening Committee, Scott WMO Cost share Sub-Committee 2009 Docket, Scott WMO TAC, Scott WMO Project Summary)  
Scott WPC -11  
SWCD Staff Meeting - 8  
Stormwater Steering Committee - 2  
U of M Winter Field Day - 1  
Vermillion River Watershed JPB/WPC, TAC – 4  
Water Quality Monitoring – 9 (VSMP, Water Quality Equipment, STORET MPCA, Water Quality/VSMP, Watershed Initiative, River Summit, Metro Monitoring pre-summit meeting)

## **Committee Meetings Held**

Budget Meeting  
Personnel Committee-5  
Outdoor Education Day  
Tree Committee  
SRF Loan Committee

## **Training Provided**

Civil Rights  
Recognizing & Preventing Reprisal Training  
FLUX Training  
CityView Validation  
Campbell Scientific Programming  
Leadership training-7  
CRP-SAFE  
MN Department of Ag (Crop Management)  
Geosynthetic Soil Reinforcement  
MECA conference  
BWSR Native Grass  
Computer Security Awareness  
USDA Privacy Basic Training  
Toolkit Refresher  
Defensive Driving  
MASCDE Annual Conference  
Lake Vegetation Sampling  
Wetland Delineation  
MECA Low Impact Development Tour  
CCA update  
Water Resources Conference  
MN River Fluvial Geomorphology  
NRCS AgLearn

## **Administration Accomplishments**

- **Annual Work Plan Preparation**
- **Database Maintenance E-Link**
- **Grant/Loan Applications** - BWSR General Service Grant, BWSR Erosion Sediment Control or Water Quality Improvement Grant, Scott County Grant, Natural Resource Block Grant (Wetland Conservation Act, Local Comprehensive Water Planning, Shoreland and ISTS), FY2009 FarmBill Assistance Grant; 2008 Metro WCA Grant Agreement;; 2008 Erosion, Sediment Control, or Water Quality Improvements-Native Buffer Cost Share
- **Annual and Quarterly Report Preparation** - General Service Grant, Natural Resource Block Grant (Wetland Conservation Act, ISTS, Shoreland Local Comprehensive Water Planning), State Revolving Fund Loan Program, NonPoint Engineering Assistance Program Accomplishment Report, 2007 Annual County Feedlot Officer Report; Scott SWCD Financial Reports for BWSR

- **Contracts & Agreements**  
 FY2008 Administrative Technical Services & Erosion Control or Water Quality Improvements  
 FY2008 Natural Resources Block Grant  
 Watershed Outlet Monitoring – Metropolitan Council  
 Urban Development Review & Site Inspection Services- Credit River Township,  
 Water Monitoring & Technical Assistance – Vermillion River Watershed Joint Powers Organization  
 Eagle Creek Watershed Outlet Monitoring Program – Lower Minnesota River Watershed District  
 Prior Lake Spring Lake Watershed District – Technical Assistance  
 Prior Lake-Spring Lake Watershed District-CWL Grant Administration  
 Metro Association of Soil and Water Conservation Districts – NPEAP Program  
 Agreement Ground Water Level Monitoring Program-State of Minnesota  
 Cooperative Agreement with U.S. Fish and Wildlife Services  
 Contribution Agreement with the U.S. of Agriculture Natural Resources Conservation Service – ,  
 2005, 2006, 2007  
 Scott Watershed Management Organization – T/A  
 Scott County – Feedlot Program Administration/Technical

## Resource Protection Programs

### Federal –

#### U.S.Fish and Wildlife Service Program –

- **Wetland Restoration Projects:** Restored 4 wetlands for 4.9 acres, contacted 18 landowners on wetland restoration, conducted 11 site visits regarding possible restoration projects.
- **Native Grass Program:** Contacted 23 landowners, 1 contract approved for 1.5 acres planted
- **US Fish and Wildlife Service Cost Share:** 1 Application Approved, 1 Lakeshore Stabilization

#### Natural Resource Conservation Service –

- **Food Security Act -** Cooperated with the Natural Resource Conservation Service to implement the following activities:
  1. 57 Conservation Plans written for 3,222 acres; 70 Conservation Plans applied on 6,106 acres
  2. Initiated 66 CRP contracts, approved 3 contracts for 10.1 acres
  3. 9 Compliance Plans and 19 Reesource Mgmt System (RMS) plans
  4. Completed 12 Wetland Compliance field reviews
  5. Processed 73 Highly Erodible Land (HELIC) and Wetland Conservation (WC) Certification Requests (1026's)
  6. Completed 20 Food Security Act Compliance Reviews totaling 828.97 acres
  7. Cropland with conservation applied to improve soil quality, 4,967 acres
  8. Land with conservation applied to improve water quality 4,799 acres
  9. Written and Applied Comprehensive Nutrient Management Plans-4
  10. Grazing and forest land with conservation applied to protect and improve the resource base-45
  11. Non-federal land with conservation applied to improve fish and wildlife habitat quality-2,402
  12. 19 EQIP applications approved
    - 8 contracts for 828.7 acres of residue management
    - 2 contracts for 504.3 acres of nutrient management
    - 6 contracts for 5.9 acres of Critical Area Planting
    - 6 contracts of 5.9 acres of Mulching
    - 3 contracts for 230 feet of Lined Outlet
    - 5 contract for 33.5 acre of Grassed Waterway
    - 1 contracts of 1 Grade Stabilization structures
    - 1 contracts for 1 Well Decommissioning
    - 1 contracts for 1 Water & Sediment Control Basin
    - 3 contract for 2.1 acres of Heavy Use Area Protection
    - 3 contract for 223.3 acres of Prescribed Grazing

## State -

### BSWR State Cost Share

12 Applications Approved

- 3 Streambank Stabilization
- 1 Well Decommissioning
- 1 Terrace Repair
- 1 Water & Sediment Basin Repair
- 3 Grassed Waterways
- 1 Shelterbelt
- 1 Diversion
- 1 Terrace
- **RIM** – 7 status reviews

**DNR Permit Review Program** – Reviewed 3 DNR permits for resource concerns

## County -

- **Feedlot Program** – Currently 250 registered feedlots, Completed 5 MAP's; Received 8 complaints- 8 resolved. 26 feedlot inspections completed; registration updates underway for 23 feedlots; provided regulatory assistance to 2 feedlot expansions. Completed 3 fleval investigation, completed 2 MinnFARM evaluations,. Conducted productive acreage determinations on 12 sites. Registered 1 new feedlot. Planned over 1000 acres of nutrient management with producers. Completed planning and closure documentation for 3 manure storage acres. Assisted with 3 interim permit applications.
- **State Revolving Fund Loan Program** – 23 applications received, 12 ISTS applications processed, 16 ISTS systems funded, 3 Conservation Tillage Equipment application received and funded 2 Ag Waste projects received and funded, 1 Structural Erosion Control Project application funded.
- **Wetland Conservation Act** – Worked with 280 landowners on wetland issues requiring detailed technical information, completed 11 Replacement Plans, 9 Exemptions, 9 No-Loss and 53 Boundary or Type.
- **Stormwater/Erosion Control Site Inspections:**  
Credit River: Development Inspections: 76, Building Permit Inspections: 1,536.  
Scott County-Unincorporated: Development Inspections: 444, Building Permit Inspections: 2,009
- **Alternate Erosion & Sediment Plan Reviews:**  
Building Permits: 63 New Homes, New Commercial  
99 Accessory Buildings

## Local –

### Scott SWCD

- **Tree Program** – provided 34,325 trees to 356 customers
- **Habitat Seed Distribution Program** - provided corn, grain and cane sorghum to 33 landowners applying 139.05 acres of food plot and wildlife habitat
- **No-Till Drill Program** – 11 applicants used the Great Plains Drill to seed 195.8 acres; 8 applicants used the Brillion Seeder to seed 56 acres; 15 applicants used the No-Till Drill to seed 408.8 acres. 3 used hand seed; 3 used Truax Hand Seeder
- **Rainfall Monitoring Program** – Collected daily precipitation data from 10 volunteer rainfall monitors
- **Tillage Transect Survey** – 450 fields reviewed

### Watershed Management Organizations

- **Well Monitoring Program** – Monitored 7 wells monthly March – December-DNR; 19 wells for LMRWD
- **Water Quality Monitoring:**
  - VRWJPO – 1 automated sampler site
  - LMRWD-1 automated sampler site; 2 temp monitoring sites
  - Scott WMO-9 monitoring stations w/equipment; 6 monitoring stations w/o equipment; approximately 54 synoptic monitoring sites; 8 extended deployment sites
  - Metro Council/Scott WMO- 2 automated sampler sites
- **Assisted with Fish Shocking on Eagle Creek**
- **Assisted with Lake Vegetation Survey**
- **Robert Creek Streambank & Erosion Inventory**
- **Cost Share Program**  
Scott WMO - 17 Applications Approved
  - 3 Streambank Stabilization
  - 1 Well Decommissioning
  - 3 Raingardens

- 2 Pervious Pavements
- 1 Green Roof
- 2 Wetland Restorations
- 2 Grassed Waterways
- 1 Lakeshore Stabilization
- 1 Grade Stabilization
- 1 Rock Inlet

● **Cost Share Program** – Funding provided for 33 contracts with funding combined with cooperating agencies

○ Jill Leonard	Shelterbelt	State
○ Wendy Dillion	Lakeshore Restoration	State/Scott WMO
○ Tony Schmidt	Grade Stabilization	State/Scott WMO
○ Tim Breeggemann	Grassed Waterway	State/Scott WMO
○ Dennis Walchal	Streambank Stabilization	State/Scott WMO
○ Dave Minar	Streambank Stabilization	State/Scott WMO
○ Deb Atchison	Streambank Stabilization	State/Scott WMO
○ Menke Family Farms	Streambank Stabilization	State/Scott WMO
○ Richard Stocker	Grassed Waterway	State
○ Lowell Schmitz	Terrace Repair	State
○ Joe Kane	Well Decommission	State/Scott WMO
○ Scott Allison	Streambank Stabilization	State/Scott WMO
○ Cedar Brook Garden	Raingarden	Scott WMO
○ Cedar Brook Garden	Raingarden	Scott WMO
○ City of Prior Lake	Raingarden	Scott WMO
○ Jim Frawley	Wetland Restoration	Scott WMO
○ Brian Lubinski	Wetland Restoration	Scott WMO
○ Martin Ruchling	Grade Stabilization	Scott WMO
○ Jay Picha	Streambank Stabilization	Scott WMO/State
○ Lynn Albrecht	Grade Stabilization	Scott WMO/State
○ Don Pesta	Wetland Restoration	Scott WMO
○ Richard Hennen	Wetland Restoration	Scott WMO
○ Vogel Grote	Lakeshore Restoration	Scott WMO
○ Lyle Kragh	Grade Stabilization	Scott WMO
○ City of Jordan	Streambank Stabilization	Scott WMO
○ Dale Meierbachtol	Grassed Waterway	Scott WMO
○ William McCue	2nd half filter strip pmt	Scott WMO
○ Carl Moe	2nd half filter strip pmt	Scott WMO
○ LeRoy Justen	2nd half filter strip pmt	Scott WMO
○ Doug Fontaine	Native Grass Planting	Scott WMO
○ Mark Hentges	Grade Stabilization	Scott WMO
○ Jim Schwingler	Grade Stabilization	Scott WMO
○ Keith Webb	Grassed Waterway	PLSLWD

**Filter Strip Program Applications Approved**

● **Watershed Management Organizations** 18 applications approved for 110 acres

**Established in 2008 – 1<sup>st</sup> half payments made**

○ Richard Hennen	2.6	Scott
○ Lowell Schmitz	.6	Scott
○ Joel Helmberger	1.3	VRWJPO
○ Mark Simcox	2.6	Scott
○ Mark Holzer	1.6	Scott
○ Ken Meger	5.8	Scott
○ Roland Menke	5.7	Scott
○ Allen Menke	1.5	Scott

**2nd half payments made**

○ Dorothy Schultz	2.5	PLSL
○ Hanson Givens	6.6	Scott
○ Richard Hennen	8.4	Scott
○ Keith Biers	1.8	VRWJPO

○ Richard Schmitz	18.4	Scott
○ Dale Theis	8.9	Scott
○ Ralph Woestehoff	1.4	Scott
○ Brian Schmitz	2.6	Scott
○ Dennis Gerold	16.6	Scott
○ Joel Helmberger	1.3	VRWJPO
○ Loren Gross	9.6	Scott
○ William McCue	2.2	Scott
○ Willard Wormer	14.2	PLSL
○ Carl Moe	4.7	Scott
○ William McCue	7	Scott
○ Harlan Laabs	3.3	Scott
○ Vern Orth	4.4	Scott
○ Eldred Stocker	6.3	Scott

#### Re-enrollment payments made

■ Larry Entinger	4.2	Scott
■ Paul Franzen	7	Scott
■ Brian Weir	.8	Scott
■ Mark Klehr	14.5	Scott
■ Roland Menke	2.7	Scott
■ Ben Zweber	11.4	Scott
■ Joe Menke	1.6	Scott
■ Herman Wesley	6.3	Scott
■ Don Barry	4.1	Scott
■ Maynard Schmidt	12.2	Scott
■ Allen Schmidt	5.9	Scott
■ David Theis	5.8	Scott
■ John Theis	10.7	Scott
■ Greg Harris	5.9	Scott

PLSL	Prior Lake Spring Lake Watershed Management Organization
Scott -	Scott Watershed Management Organization
State	State Cost Share
VRWJPO	Vermillion River Watershed Joint Powers Organization

#### Filter Strip Status Reviews –61 Status Reviews

#### AMSWCD TSA 8

**Lakescape Restoration Program** - Landscape Specialist & Technician worked on 35 lakeshore restoration designs & management and provided 4 education workshops

**Non-Point Engineering Assistance Program:** Projects Approved: 1; Active Projects: 5

#### Educational Programs

- **Essay Contest** – 4 schools, 12 essays
- **Poster Contest** – 4 schools, 268 posters
- **Mural Contest** – 4 schools, 48 murals
- **Video Contest** – 2 schools, 14 videos
- **Classroom Presentations** – 348 students – 4 schools
- **Envirothon** – Senior: 1 school participated, 2 teams; Junior: 1 school participated, 2 teams
- **Fair booth** – 1 booth, 35,000 viewed
- **Outdoor Education Day** - 15 schools; approximately 1,279 students
- **Conservation Cooperator** – 1 winner selected
- **District Capacity Score Sheet** - Scored 1,302 out of 1,525
- **Newsletters** – 6
- **Newspaper Articles** 37Articles
- **Volunteer Stream Monitoring Program** 1 schools monitoring 2 sites
- **Soil Stewardship Week** - 11 churches, 2,780 inserts
- **City to Farm Tour** 400 Attended
- **Children's Water Festival**

- **Maintain Scott SWCD Website**
- **Rainbarrel Program**-Distributed 100 rainbarrels to landowners
- **Scott WMO Mailing**-145 brochures sent to Sand Creek landowners
- **Tours**
  - Scott WMO Summer Tour
- **City Expo's** – New Prague, Shakopee, Belle Plaine, Prior Lake and Jordan
- **Presentations**
  - 7 General ESC Workshops
  - LMRWD-2007 Water Monitoring Summary
  - Living on the Land – Water Quality & Government Programs
  - Program Retreat Presentation
  - University of Minnesota Environmental Studies Class
  - Historical Erosion Control Practices
  - Roberts Creek Presentation
  - PLSLWD-Filter Strip Program