



Minnesota Board of Water and Soil Resources.
Minutes.

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**BOARD OF WATER AND SOIL RESOURCES
SOUTHWEST MINNESOTA SYNOD
EAST BRIDGE STREET
REDWOOD FALLS, MINNESOTA
JUNE 25, 1997**

DRAFT

BOARD MEMBERS PRESENT: Kathleen Roer, Barb Cobb, Barb Uppgaard, Allan Oehlke, Darrell Bruggman, Marvel Tripp, Dwain Otte, Glenn Annexstad, Ginny Imholte.

BOARD MEMBERS ABSENT: Tim Hvidsten and Jim Dahlvang

AGENCY MEMBERS PRESENT:

Jim Anderson, Minnesota Extension Service (MES)
Wayne Edgerton, Department of Natural Resources (DNR)
Dwight Wilcox, Department of Agriculture (MDA)
Kim Benson-Johnson, Department of Health (MDH)

AGENCY MEMBERS ABSENT:

Wayne Anderson, Pollution Control Agency (PCA)

OTHERS PRESENT:

D'Wayne DeZiel, Minnesota Association of Soil and Water Conservation Districts (MASWCD)
Bob Finley, Redwood-Cottonwood Rivers Control Area (RCRCA)
Kerry Netzke, Area II Minnesota River Basin
Rick Reimer, Minnesota Association of Conservation District Employees (MACDE)
Kathy Krzmarzick and Greg Roiger, Brown SWCD
Neal Feeken, Watonwan SWCD
Carl ~~Hothchild~~ *Hauschild*, *Area II member, and representative from Lincoln County*
Jerry Voyles, Martin SWCD and BERBI

STAFF PRESENT:

Ron Harnack, Jim Birkholz, Jeff Nielsen, Al Kean, Marybeth Block, Tim Fredbo, Tom Fischer, David Sill, Tabor Hoek, Chris Hughes, Darrell Apelgrain, and Mary Jo Anderson.

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Chair Roer welcomed everyone to Redwood Falls and called the meeting to order at 8:40 a.m.

- ** 97-42** **Adopt Agenda** - Moved by Glenn Annexstad, seconded by Allan Oehlke, to adopt the agenda as presented. Motion passed on a voice vote.

- ** 97-43** **Minutes of May 28, 1997** - Barb Uppgaard stated that a change needs to be made on page three, it should read "Environmental Education Conference". Moved by Barb Uppgaard, seconded by Barb Cobb, to approve the minutes of May 28, 1997 as corrected. Motion passed on a voice vote.

Reports

Chair Roer introduced Bob Finley, executive director of the Redwood-Cottonwood River Control Area. Bob distributed a booklet "Restoring the Redwood River, Examples of Involvement by Local Citizens" which recognizes the participation of watershed residents working to improve the watershed. He also distributed a financial summary of the special Minnesota River basin grant program funds for the "Redwood River Clean Water Project."

Chair Roer introduced Kerry Netzke, Area II Minnesota River Basin. Chair Roer thanked RCRCA, Area II, BWSR staff, and Marilyn Bernhardson and the Redwood SWCD for their assistance in organizing the tour yesterday.

Chair's Report - Chair Roer reported that she attended her first EQB meeting; the power line issue in Chisago County was reviewed, discussions will continue on this issue. Chair Roer attended the Hennepin SWCD meeting. Chair Roer reported that David Johnson, BWSR metro board conservationist, has taken a position with DNR, effective June 23.

Executive Director's Report - Ron Harnack stated that it's been a busy month for all staff. He and Greg Larson, Al Kean, Wayne Zellmer are involved in "Minnesota Recovers" task force for flood control -- meetings are held every Monday, Wednesday, and Friday mornings, and all day subcommittee meetings are held on Tuesday and Thursday. BWSR chairs the agricultural erosion subcommittee for flooding. Discussions continue on the political issues of flood damage allocations. Ron reported that he, Glenn Annexstad, Barb Uppgaard, and Ginny Imholte attended the Local Water Planning Conference, June 8-10, in Two Harbors. It was an excellent conference, well attended. Ron attended the Senate legislative tour in the northwest to look at flood damage. The House held a meeting to discuss agricultural needs and assistance for the flood area, bonding cannot be used on private lands. Ron is also a member of the Red River Basin Board.

Dispute Resolution Committee (DRC) - Chair Roer stated that the Big Lake appellants are considering their options. Marv Tripp stated that there are no appeals pending.

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Education and Public Relations Committee - Barb Uppgaard reported that the Education and Public Relations Committee will meet this afternoon, she welcomed interested board members to attend.

Administrative Advisory Committee - Chair Roer reported that the Administrative Advisory Committee met June 24. The committee discussed the transition to agency voting membership effective August, 1997.

Financial Oversight Committee - Ginny Imholte reported that Sara Johnson is shopping for an accounting package for the soil and water conservation districts. Ginny attended the MAWD tour June 20-21 in Marshall, and enjoyed the diversity of land use.

Agency Reports

Jim Anderson, MES, reported that LCMR allocated pass through funds to BWSR for soil survey digitizing. Jim attended a national meeting to discuss distribution of water quality retooling funding. Jim reported that a national hypoxia meeting sponsored by The Farm Bureau will be held July 14-15 in St. Louis; and another meeting on this issue the following week in Mississippi. Jim stated that partnership struggles continue between the BWSR/MES education position; staff will continue working to resolve this issue. Jim reported that a drainage conference will be held June 4 at the St. Paul Campus, bringing together experts to look at hydrologic impacts of drainage issues.

Dwain Otte reported that he will be attending the hypoxia meeting in Mississippi. He stated that the challenge is bringing all the affiliations together, NACD, MES, etc. to work on this.

Kim Benson-Johnson, MDH, stated that flooding issues continue to keep staff at MDH busy; the Public Health Service is checking wells in the flood damaged areas. Kim reported that Kelli Johnson, assistant commissioner, will be MDH's representative on BWSR.

Dwight Wilcox, MDA, reported that the application process for the non-agricultural septic systems will be the same as the agricultural best management practices process. The septic funding will be available countywide. Dwight reported that Sharon Clark, deputy commissioner, will be MDA's representative on BWSR.

Jeff Nielsen briefly commented on the MPCA Watershed Initiatives at the Local Level (WILL) program. Jeff is BWSR's representative to PCA on this initiative; funding comes from PCA's general allocation and Clean Water Partnership dollars.

Wayne Edgerton, DNR, reported that Rod Sando, commissioner, will be DNR's representative on BWSR; Ron Nargang, deputy commissioner, will be the alternate. Wayne stated that the

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dairy farm DNR purchased from The Nature Conservancy near Nerstrand Big Woods State Park will be open to the public next summer. Wayne stated that Minnesota did not do very well with CRP; DNR is offering staff assistance and financial assistance at the local level to help in making this a success. Wayne reported that the Department of Agriculture is sponsoring a tour of impacts of rotational grazing on streams in Wabasha County, July 18, DNR is encouraging attendance.

Chair Roer called for a break in the meeting at 10:00 a.m.; the meeting reconvened at 10:20 a.m.

Consent Agenda

County Water Plan Approvals - Marv Tripp reported that the southern review committee reviewed the Cottonwood, Martin, and Rice Counties' Comprehensive Water Plans and recommends approval of the Cottonwood, Martin and Rice Counties' Comprehensive Water Plans. Allan Oehlke stated that the citizens input of Cottonwood County is needed in their water plan, the citizens are doing a good job, but participation is needed. Chair Roer suggested that the county should be encouraged to have a citizens task force. Moved by Marv Tripp, seconded by Allan Oehlke, to approve the Cottonwood, Martin and Rice Counties' Comprehensive Water Plans, with Cottonwood encouraged to have a citizens task force. Motion passed on a voice vote.

97-44**

County Water Plan Approvals - Darrell Bruggman reported that the northern review committee reviewed the Becker and Otter Tail Counties' Comprehensive Water Plans. Moved by Darrell Bruggman, seconded by Ginny Imholte, to approve the Becker and Otter Tail Counties' Comprehensive Water Plans. Motion passed on a voice vote. Chair Roer thanked both committees and staff for their work on these plans.

97-45**

FY 98 Soil and Water Conservation District Grants - Wayne Zellmer requested approval of the FY98 SWCD grants for the following programs:

1) Regular Statewide Cost-Share Base Grants (\$1,377,000); 2) Special Projects (\$500,000); 3) General Services (\$1,317,298); 4) RIM Reserve Service Grant (\$739,466); and 5) Special Minnesota River Basin Grants (\$585,000). Staff requests that the FY98 State Cost Share Program policy be revised to redirect the remaining roll-over funds (\$117,000) from the regular statewide cost share base grants to flood relief. Moved by Dwain Otte, seconded by Allan Oehlke, to approve the allocations as presented, as amended (include \$16,000 to Goodhue SWCD - typo on allocation listing). Discussion followed. Dwain Otte reported that the BWSR cost share committee met with staff and MASWCD to discuss the allocations, the allocations were unanimously agreed to. Ron Harnack commended the cost-share committee on the statewide allocation process. Motion passed on a voice vote.

97-46**

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Area II Minnesota River Basin Projects, Inc. Annual Work Plan - Tabor Hoek and Kerry Netzke explained that Area II is a BWSR funded program to carry out flood control activities in the area, as well as office administration. Staff recommends approval. Discussion followed. Kerry and the Area II board were commended on their work. Moved by Marv Tripp, seconded by Ginny Imholte, to accept the Area II Annual Work Plan. Motion passed on a voice vote.

97-47**

RIM Reserve Sign-Up in Response to Flooding - Tim Fredbo explained the staff recommendation requesting BWSR to authorize staff to currently accept, and make funding decisions on RIM Reserve applications received via the flood recovery community application process; make \$2.7 million available for this initiative; leaving a balance of approximately \$2.9 million still available for the regular December 1997 sign-up deadline. Applications would only be considered from disaster counties. To make funding decisions on easement applications, easement staff would utilize the grants team or a team made up of field staff from each of the BWSR regions. Only easement applications that would potentially reduce future flooding impacts would be considered for funding (e.g., riparian, wetland restoration, exempt and at risk PWP). Priority will be given to funding of perpetual easement applications. Discussion followed. Moved Allan Oehlke, seconded by Barb Cobb, to accept and approve the staff recommendation. Motion passed on a voice vote.

97-48**

Draft Strategic Plan - Marybeth Block gave a brief synopsis of the staff comments on the strategic plan. Jim Birkholz summarized three issues to structure a two-hour agenda item on the strategic plan for the July meeting: 1) mission statement redraft; 2) the trend "define rural Minnesota"; and 3) mission statement focus on local government. We need to make sure the document is clear and accurate about BWSR's role working with local government to manage resources. Discussion followed. Chair Roer stated that the full board needs to provide focus on redrafting BWSR's mission and that is best achieved by discussing the strategic plan as a group. Jim and Marybeth will refine the plan and come before the Board in July. Chair Roer commended Jim and Marybeth for doing a terrific job on the draft strategic plan.

Advisory Comments

Minnesota Association of Conservation District Employees (MACDE): Rick Reimer reported that the MACDE training session June 16-18, at Cragun's in Brainerd was well attended. Rick stated that MACDE is involved in upcoming wetland delineation training to be held in Brainerd; and windbreak training to be held in Kandiyohi County. Rick reported that a major wetland violation has just been completed. The case lasted over two years; the person was found guilty; those involved learned a lot, including the high expenditures of a violation.

Minnesota Association of Soil and Water Conservation Districts (MASWCD): D'Wayne DeZiel reported that MASWCD has been busy with EQIP, WCA training, convention planning, State Fair planning, lots of meetings and training sessions. The MASWCD theme at the State Fair

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booth will be Ecosystems; volunteers are needed. D'Wayne stated that the MASWCD Board of Directors will be in Crookston to attend the BWSR tour and meeting. D'Wayne will be attending the NACD North Central Region Leadership Conference, July 13-16, in Evansville, Indiana.

Chair Roer stated that the next BWSR meeting will be held July 23, in St. Paul. The Board will be in Crookston, August 27-28 for the BWSR tour and meeting.

Chair Roer adjourned the meeting at 12:10 p.m.

Respectfully submitted,

A handwritten signature in dark ink, appearing to read 'Kathleen M. Roer', written in a cursive style.

Kathleen Roer
Chair

June 25, 1997

TO : Board Members
FROM : Wayne Zellmer
SUBJECT : **FY 98 Soil and Water Conservation District Grants**

At the June 1997 Board Meeting, Members will be requested to approve FY 98 Soil and Water Conservation District Grants for five BWSR grant programs. These grant programs are:

- A) Regular Statewide Cost Share Base Grants
- B) Special Projects
- C) General Services
- D) RIM Reserve Services
- E) Special MN River Basin

A brief summary of each of these programs follows with highlights and topics of concern for this year.

A) Regular Statewide Cost Share Base Grants - \$1,377,000 - These base grants are for the installation of conservation practices. These grants are allocated using a complex formula involving factors relating to physical conditions in the SWCD. These conditions include critical sedimentation, high priority feedlots within shoreland areas, and AG erosion needs. Legislative appropriations and individual SWCD allocations have remained unchanged since 1987.

Beginning in FY 97, the Board also authorized the option for MASWCD areas to develop area allocation plans. Four of the seven areas submitted approved plans. Areas Two, Four, and Five did not submit a plan, therefore, according to Board policy they will receive their allocation as in prior years. The four submitted plans requested that SWCD allocations not change from prior years, including the amount available for tech/admin assistance. In addition, these four plans requested that any FY 97 cost share funds that are unspent or become unobligated (roll-over) be available for a competitive allocation within their areas.

FY 98 BWSR State Cost Share Policy originally dedicated any remaining cost share funds after Special Projects grants are allocated (\$117,000), to be divided equally among the 91 SWCDs and added to their base grant. However, at their May 28, 1997 meeting, the BWSR Cost Share/Soil Conservation Committee requested that this policy be revised and these remaining funds should be reserved for flood relief.

FY 98 Cost Share allocation recommendations are listed on the enclosed spreadsheet.

B) Special Projects - \$500,000 - This Program amount is a provision of FY 98 State Cost Share Policy. These grants are to address erosion, sediment control, water quality protection, or improvement measures. Innovative and unique projects are given highest priority. Applications are competitive and are accepted annually from SWCDs. Seventy-one applications were received requesting \$1,867,319. A brief synopsis of these applications is included in the Board Packet. These applications were review by the Board

Conservationist and the BWSR Grants Team. The enclosed Special Project Application Evaluation form was used as a guide in evaluating these applications. FY 98 Special Project funding recommendations are listed on the enclosed spreadsheet.

C) General Services Grant - \$1,317,298 - This base grant is for expenditures necessary to the operations of the district. It is noncompetitive. The legislature increased the FY 98 appropriation \$228,000. On May 28, 1997, the BWSR Cost Share/Soil Conservation Committee met with representatives of MASWCD and the G-Team. It was agreed and recommended by all that the FY 98 allocation be \$16,000 to all SWCDs. This recommendation will leave a remaining balance of \$76,000 in the FY 98 appropriation to be carried over to FY 99. A subcommittee of this meeting was also formed to explore FY 99 allocation alternatives. These FY 98 proposed grants are listed on the enclosed spreadsheet.

D) RIM Reserve Service Grant - \$739,466 - This grant is allocated to SWCDs as compensation for local delivery of the RIM Reserve Program and the conveyance of easements. The grant amount is calculated by a Board approved formula and reflects the amount of RIM Reserve activity in the SWCD. These proposed grants are listed on the enclosed spreadsheet.

E) Special Minnesota River Basin Grants - \$585,000 - This annual grant is to be used in the Minnesota River Basin for the accelerated application of water quality improvement practices. Applications are competitive and may be received from single SWCDs or SWCD groups. The BWSR administers these grants via the State Cost Share Program. Nine applications were received requesting \$1,449,250. Application and funding recommendation summaries are included in the Board mailing packet.

Staff requests that the Board approve these grants (A-E) for allocation as listed on the enclosed spreadsheet and the FY 98 State Cost Share Program policy be revised to redirect the remaining roll-over funds (\$117,000) from the regular statewide cost share base grants to flood relief.

**FY 1998 GRANTS TO SOIL AND WATER CONSERVATION DISTRICTS
(PROPOSED)**

SWCD	COST	SHARE	GRANTS	SERVICE GRANTS		GRANT TOTALS
	BASE GRANTS	SPECIAL PROJECTS	SPECIAL MN RIVER	GENERAL SERVICES	RIM SERVICES	
AITKIN	\$5,703			\$16,000	\$1,096	\$22,799
ANOKA	\$12,600			\$16,000	\$1,096	\$29,696
BECKER	\$28,659			\$16,000	\$4,346	\$49,005
BELTRAMI #	\$5,783			\$16,000	\$1,346	\$23,129
BENTON	\$10,731			\$16,000	\$4,346	\$31,077
BIG STONE	\$16,310			\$16,000	\$4,346	\$36,656
BLUE EARTH	\$23,080			\$16,000	\$23,596	\$62,676
BROWN	\$14,320		\$35,000	\$16,000	\$13,096	\$78,416
CARLTON	\$5,556	\$16,500		\$16,000	\$1,096	\$39,152
CARVER	\$21,975	\$7,500		\$16,000	\$13,096	\$58,571
CASS	\$8,105			\$16,000	\$1,346	\$25,451
CHIPPEWA	\$12,325			\$16,000	\$8,096	\$36,421
CHISAGO	\$12,963			\$16,000	\$1,346	\$30,309
CLAY	\$21,490			\$16,000	\$13,096	\$50,586
CLEARWATER	\$9,538			\$16,000	\$1,346	\$26,884
COOK	\$3,292	\$35,000		\$16,000	\$1,096	\$55,388
COTTONWOOD	\$17,345	\$25,000	\$35,000	\$16,000	\$4,346	\$97,691
CROW WING	\$6,654	\$7,210		\$16,000	\$1,096	\$30,960
DAKOTA	\$26,263			\$16,000	\$1,346	\$43,609
DODGE	\$12,725			\$16,000	\$1,346	\$30,071
DOUGLAS	\$20,133		\$65,000	\$16,000	\$13,096	\$114,229
EAST OTTER TAIL #	\$19,659			\$16,000	\$4,346	\$40,005
EAST POLK	\$12,404			\$16,000	\$1,346	\$29,750
FARIBAULT	\$15,514			\$16,000	\$23,596	\$55,110
FILLMORE *	\$26,616			\$15,360	\$4,129	\$46,105
FREEBORN	\$19,974			\$16,000	\$8,096	\$44,070
GOODHUE	\$29,848	\$15,000		\$15,200	\$13,096	\$73,144
GRANT	\$12,519	\$45,000		\$16,000	\$1,346	\$74,865
HENNEPIN	\$13,043			\$16,000	\$23,596	\$52,639
HUBBARD	\$7,071			\$16,000	\$1,346	\$24,417
ISANTI	\$8,322			\$16,000	\$1,096	\$25,418

**FY 1998 GRANTS TO SOIL AND WATER CONSERVATION DISTRICTS
(PROPOSED)**

SWCD	COST	SHARE	GRANTS	SERVICE GRANTS		GRANT TOTALS
	BASE GRANTS	SPECIAL PROJECTS	SPECIAL MN RIVER	GENERAL SERVICES	RIM SERVICES	
ITASCA	\$6,115	\$25,000		\$16,000	\$1,096	\$48,211
JACKSON	\$18,701	\$10,000		\$16,000	\$23,596	\$68,297
KANABEC	\$7,210	\$30,214		\$16,000	\$4,346	\$57,770
KANDIYOHI	\$17,345			\$16,000	\$23,596	\$56,941
KITTSO	\$7,132	\$15,000		\$16,000	\$4,346	\$42,478
KOOCHICHING	\$3,406			\$16,000	\$1,096	\$20,502
LAC QUI PARLE	\$25,551	\$16,000		\$16,000	\$13,096	\$70,647
LAKE	\$5,319	\$30,000		\$16,000	\$1,096	\$52,415
LAKE OF THE WOODS	\$4,285			\$16,000	\$1,096	\$21,381
LE SUEUR	\$19,974			\$16,000	\$23,596	\$59,570
LINCOLN	\$14,479		\$60,000	\$16,000	\$4,346	\$94,825
LYON	\$18,223			\$16,000	\$13,096	\$47,319
MAHNOMEN	\$8,825			\$16,000	\$1,096	\$25,921
MARSHALL	\$10,730			\$16,000	\$13,096	\$39,826
MARSHALL-BELTRAMI	\$6,120			\$16,000	\$1,346	\$23,466
MARTIN	\$25,471	\$22,250	\$180,000	\$16,000	\$13,096	\$256,817
MC LEOD	\$16,628			\$16,000	\$13,096	\$45,724
MEEKER	\$20,688			\$16,000	\$13,096	\$49,784
MILLE LACS	\$9,938			\$16,000	\$4,346	\$30,284
MORRISON	\$25,308			\$16,000	\$8,096	\$49,404
MOWER	\$10,576			\$16,000	\$13,096	\$39,672
MURRAY	\$14,874			\$16,000	\$4,346	\$35,220
NICOLLET	\$10,885			\$16,000	\$13,096	\$39,981
NOBLES	\$27,452			\$16,000	\$13,096	\$56,548
NORMAN	\$17,504			\$16,000	\$8,096	\$41,600
NORTH ST. LOUIS	\$4,434			\$16,000	\$1,096	\$21,530
OLMSTED	\$37,009	\$40,000		\$16,000	\$1,346	\$94,355
PENNINGTON	\$11,312			\$16,000	\$1,096	\$28,408
PINE	\$11,131			\$16,000	\$1,096	\$28,227
PIPESTONE	\$15,909			\$16,000	\$1,346	\$33,255
POPE	\$24,515	\$36,250		\$16,000	\$36,096	\$112,861

**FY 1998 GRANTS TO SOIL AND WATER CONSERVATION DISTRICTS
(PROPOSED)**

SWCD	COST	SHARE	GRANTS	SERVICE GRANTS		GRANT TOTALS
	BASE GRANTS	SPECIAL PROJECTS	SPECIAL MN RIVER	GENERAL SERVICES	RIM SERVICES	
RAMSEY	\$10,102			\$16,000	\$0	\$26,102
RED LAKE	\$7,150			\$16,000	\$1,346	\$24,496
REDWOOD	\$11,849		\$130,000	\$16,000	\$23,596	\$181,445
RENVILLE	\$11,606			\$16,000	\$23,596	\$51,202
RICE	\$18,292			\$16,000	\$13,096	\$47,388
ROCK	\$16,457	\$20,000		\$16,000	\$4,346	\$56,803
ROOT RIVER	\$22,597			\$16,000	\$8,096	\$46,693
ROSEAU	\$12,167			\$16,000	\$1,096	\$29,263
SCOTT	\$20,529	\$50,000		\$16,000	\$8,096	\$94,625
SHERBURNE	\$5,069			\$16,000	\$1,096	\$22,165
SIBLEY	\$13,572		\$10,000	\$16,000	\$8,096	\$47,668
SOUTH ST. LOUIS	\$7,923	\$8,037		\$16,000	\$1,096	\$33,056
STEARNS	\$45,382	\$8,039		\$16,000	\$13,096	\$82,517
STEELE	\$10,735			\$16,000	\$13,096	\$39,831
STEVENS	\$22,937			\$16,000	\$13,096	\$52,033
SWIFT	\$11,900			\$16,000	\$13,096	\$40,996
TODD	\$22,124			\$16,000	\$4,346	\$42,470
TRAVERSE	\$7,551			\$16,000	\$8,096	\$31,647
WABASHA	\$21,637			\$16,000	\$13,096	\$50,733
WADENA	\$6,512			\$16,000	\$1,346	\$23,858
WASECA	\$10,658			\$16,000	\$23,596	\$50,254
WASHINGTON	\$13,282	\$32,000		\$16,000	\$4,346	\$65,628
WATONWAN	\$9,301	\$6,000		\$16,000	\$13,096	\$44,397
WEST OTTER TAIL	\$24,691			\$16,000	\$8,096	\$48,787
WEST POLK	\$19,257			\$16,000	\$1,346	\$36,603
WILKIN	\$11,691			\$16,000	\$8,096	\$35,787
WINONA	\$17,820			\$16,000	\$23,596	\$57,416
WRIGHT	\$18,689			\$16,000	\$8,096	\$42,785
YELLOW MEDICINE	\$17,267		\$70,000	\$16,000	\$13,096	\$116,363
ALLOCATED TOTALS	\$1,366,314	\$500,000	\$585,000	\$1,454,560	\$748,673	\$4,654,547

**FY 1998 GRANTS TO SOIL AND WATER CONSERVATION DISTRICTS
(PROPOSED)**

	COST	SHARE	GRANTS	SERVICE GRANTS		
SWCD	BASE GRANTS	SPECIAL PROJECTS	SPECIAL MN RIVER	GENERAL SERVICES	RIM SERVICES	GRANT TOTALS

NOTES:

Cost Share Program Violations – Beltrami \$5,348; East Otter Tail \$3,900

* According to Board policy, cost–share allocations, general and RIM services grants have been penalized for late submittal of annual plan and/or report as follows: less than 30 days late – 5%, Fillmore

II:FY98SWCD

FY 1998 SPECIAL MINNESOTA RIVER BASIN STATE COST SHARE APPLICATIONS

Applications were reviewed by a field staff committee of Tom Fischer- Chair, David Sill, Chris Hughes, Tabor Hoek, and Jeff Nielsen. G-Team adopted committee recommendation.

AVAILABLE FUNDS

500,000 MN River Fund - up to 20% (\$100,000) of this amount may be used for Technical/Administrative (T/A) costs

85,000 Roll-over Funds - NO T/A use allowed from this amount, can only be used for projects.

585,000 Total Available Funds

APPLICATION SUMMARIES and FUNDING RECOMMENDATIONS

	<u>FUNDING REQUEST</u>	<u>FUNDING RECOMMENDATION</u>
<u>BLUE EARTH RIVER BASIN INITIATIVE</u>	240,000 - Projects	120,000 - Projects
"Implementation of Conservation Practices	<u>60,000</u> - T/A (20%)	<u>30,000</u> - T/A (20%)
to Reduce Sediment Runoff"	300,000 - Total	150,000
		plus <u>30,000</u> Roll-over
		180,000

* Water Quality Problem: Heavy loads of sediment throughout MN River Basin . . . MRAP . . . Blue Earth River big contributor.

* Project Objectives/Solutions: Reduce the amounts of sediment and nutrients entering the Blue Earth River by implementation of conservation projects; provide technical assistance to find solutions/design/complete projects; provide financial incentives to landowners. Areas of priority are within 1000 feet of surface waters or flood plains, and within 1000 feet of tile intakes, or other local priority.

* Public Benefit: Improved water quality in the Blue Earth River; better fish and wildlife habitat and recreational opportunities; less sediment; reduction of nitrogen and phosphorous; improved drinking water quality for 50,000 Mankato/North Mankato residents. Improved water quality is local, state and national objective.

Note: BERBI specifies that 1/2 of the T/A funds to be divided equally among the six member SWCDs (Blue Earth, Cottonwood, Faribault, Martin, Waseca, Watonwan) . . . the remainder will be utilized for BERBI clerical and fiscal agent costs. All presently available project funds are encumbered with 77 projects completed. 57 projects encumbered and/or in progress toward completion. Received 281,620 for FY94; 230,000 for FY95; 221,145 for FY96; and 150,000 for FY97.

<u>SWCDs IN REDWOOD RIVER WATERSHED</u>	200,000 - Projects	88,000 - Projects
"Redwood River Watershed Project"	<u>50,000</u> - T/A (20%)	<u>22,000</u> - T/A (20%)
	250,000	110,000
		plus <u>20,000</u> Roll-over
		130,000

* Water Quality Problem: Estimated that 140,000 tons of sediment annually carried down Redwood River to Redwood Lake . . . factors contributing to this include drained wetlands, drainage activities, inadequately protected highly erodible lands, feedlot runoff, sediment and nutrient transport accelerated by the 900 feet elevation drop from river source to outlet at MN River.

* Project Objectives/Solutions: Primary objectives include restoring 5,000 acres of wetlands with emphasis on sites within one mile of each side of the river; permanent buffers established (one rod on public ditches, 100 feet on streams and rivers); minimum till and no-till practices on 90% of the cropland in the designated corridor; 40 ag-waste management systems. Secondary objectives include development of county policies to promote/set standards for minimum tillage, nutrient management, buffer strips, livestock management; demonstration, education, restoration, monitoring, information activities; institute property tax credits for lands meeting conservation criteria. Solutions are found in four major elements: BMPS, monitoring/evaluation, information/education, administration.

* Public Benefit: The public is intended to be the principal beneficiary; six year project goals established in sediment/nutrient reduction, fisheries and recreation, and hydrology.

Note: Four prior grants approved with all funds encumbered. Completion of projects hinges on weather conditions and contractor availability. 27 projects completed, 47 projects encumbered and/or in progress toward completion. Received 185,000 for FY94; 220,000 for FY95; 184,287 for FY96; and 60,000 for FY97.

	<u>FUNDING REQUEST</u>	<u>FUNDING RECOMMENDATION</u>
<u>DOUGLAS, CHIPPEWA, POPE, & SWIFT SWCDs</u>	200,000 - Projects	40,000 - Projects
"Chippewa River Watershed"	<u>50,000</u> - T/A (20%)	<u>10,000</u> - T/A (20%)
	250,000	50,000
		plus <u>15,000</u> Roll-over
		65,000

* Water Quality Problem: 2,080 sq. mile watershed, intensive agriculture; bacteria, sediments, nutrients and oxygen demanding substances traced back to land-use practices; improperly controlled runoff; >2T erosion; feedlots; drainage activities that have reduced the number of wetlands. MPCA study cites Chippewa River as having habitat quality well below tributary average for the MN River Basin and having the lowest macro-invertebrates of any tributary in the basin.

* Project Objectives/Solutions: To help fund the second year of a long-term plan to improve water quality in the river and tributaries; encourage landowners to increase conservation practices that address sediment and nutrient amounts; application of BMPS on agricultural lands with emphasis on the committee established priority areas.

* Public Benefit: Savings of public dollars through reduction of sediment and nutrient pollution; public costs are real when addressing maintenance of private and public drainage ways; a typical terrace will reduce sedimentation by 7-10 tons per year, ag-waste system will eliminate nutrient runoff into water sources.

Note: Requesting funds for the second year of a multi-year program. Received 143,000 for FY97; approximately 50% encumbered.

<u>LAC QUI PARLE / YELLOW MEDICINE SWCDs</u>	170,000 - Projects	44,000 - Projects
"Lac qui Parle River Subbasin Project"	<u>42,500</u> - T/A (20%)	<u>11,000</u> - T/A (20%)
	212,500	55,000
		plus <u>15,000</u> Roll-over
		70,000

* Water Quality Problem: The Coteau des Prairies forms a plateau of up to 1,000 feet higher than the region's lower plains; flash floods due to escarpment slope drops of 380 feet in 4.9 miles, some areas the drop is as much as 100 feet in a mile followed by flat, glacial outwash sections of less than 5 feet per mile; sheet, rill and wind erosion exceeding T on nearly 314,000 acres (60% of the watershed); ephemeral gully erosion on 158,000 acres; 37,000 acres having wind erosion more than 10 tons/A/Y; water quality impacts to streams and lakes; The river delivers 87,600 tons of sediment annually. Information obtained from 639 Study of the sub-basin.

* Project Objectives/Solutions: Promote the use of BMPS to reduce the amounts of sediment and pollutants entering ditches, streams, and main body of the Lac qui Parle River sub-basin; install 20 acres of waterways, 15,000 feet of terraces, diversions, sediment control basins, 10,000 feet of field windbreaks, two ag-waste systems.

* Public Benefit: Improve the water quality in the MN River by reducing sediments and nutrients entering the river; improve fish and wildlife habitats; improve river water quality within LQP State Park.

Note: This request is for a second year of a four-year project. Received 115,000 for FY97, all encumbered.

<u>BROWN / COTTONWOOD SWCDs</u>	80,000 - Projects	62,300 - Projects
"Little Cottonwood River Minor Watershed"	<u>10,000</u> - T/A (11%)	<u>7,700</u> - T/A (11%)
	90,000	70,000

* Water Quality Problem: Surface runoff, gully erosion, sediment entering tile lines / ditches which in turn enter the Little Cottonwood River; flooding transports sediments, nutrients, and pesticides affecting water quality; exposure of bedrock at the surface and at shallow depths throughout this watershed leads to concerns of drinking water quality impacts; need c-s incentive due to increased cost to construct conservation practices.

* Project Objectives/Solutions: To target a watershed in the MN River Basin that has not been included in any extended Cost Share efforts (IE. BERBI, RCRCA); promote the management of land resources; enhance the local SWCD efforts; promote BMPS. Install landowner practice requests on file--14 waterways (14,700 ft), four terraces (4,000 ft), four field windbreaks (3 miles), one wildlife planting (11 acres), one stream stabilization (250 ft).

* Public Benefit: Based on average practice size of 2 acres, the listed practices will result in totals of 900 T/Y soil saved, 2,160 T/Y

net sediment reduction, 2,772 lbs/Y net phosphorous reduction . . . calculated through LARS Program.

Note: Although a joint application, the funds will be divided equally for conservation efforts in each district; funding recommendation would mean each SWCD to receive 35,000 of which 3,850 (11%) would be used for T/A and 31,150 (89%) would be used for practices.

	<u>FUNDING REQUEST</u>	<u>FUNDING RECOMMENDATION</u>
<u>SCOTT SWCD</u>	78,000 - Projects	
"The city of Savage Streambank Stabilization"	<u>0</u> - T/A	
	78,000	- 0 -

* Water Quality Problem: Eight actively eroding streambank sites identified within the city limits involving 14 landowners; serious sloughing and erosion having the potential to escalate to cause a loss of property and threaten infrastructures. Sites are along Credit River, a tributary of the MN River.

* Project Objectives/Solutions: Eliminate the erosion and sedimentation problem, restore streambank, demonstration potential for others. Removals of trees that have sloughed into the channel, removal of sediment deposition, reclaim the channel, restore an original channel, install rip rap, seed and mulch area, install bioengineering practices.

* Public Benefit: Estimated sediment generated from streambank erosion sites is 750 T annually; annual phosphorous loading is estimated at 33,375 pounds (Met Council model); repairs crucial to prevent loss of property; water quality improvement of Credit River and MN River.

Note: This application probably should have been a Special Project application, but it does affect the MN River. Some funding is in place from FEMA, Met Council, and the City of Savage for approximately 50% of project cost.

<u>SCOTT SWCD</u>	63,750 - Projects	
"The city of Jordan Streambank Stabilization"	<u>0</u> - T/A	
	63,750	- 0 -

* Water Quality Problem: Four actively eroding sites identified within the city limits in areas that have the potential to escalate to cause a loss of property, threaten homes and businesses; channel bank erosion; sites found along Sand Creek, a tributary of the MN River.

* Project Objectives/Solutions: Eliminate erosion and sedimentation problems; restore streambank; route the channel to previous location; demonstration potential for others. Removal of tresses sloughed into the channel; removal of sediment deposition, reclaim the original channel; restore streambank; install rip rap; seed and mulch; install bioengineering practices.

* Public Benefit: Estimated sediment generated from the sites is 1,769 tons annually; annual phosphorous loading is estimated at 8,000 pounds (Met Council model); repairs crucial to prevent loss of property, roadways, businesses; reduction of significant amounts of sediment and nutrients to Sand Creek and MN rivers.

Note: This application was also submitted for Special Project application consideration and is recommended for funding from the Special Project fund. Some funding is in place from FEMA, Met Council, and the City of Jordan for approximately 50% of project costs.

<u>LINCOLN SWCD</u>	151,200 - Projects	46,200 - Projects
"Lake Hendricks Watershed Project"	<u>28,800</u> - T/A (16%)	<u>8,800</u> - T/A (16%)
	180,000	55,000
		plus <u>5,000</u> Roll-over
		60,000

* Water Quality Problem: Lake Hendricks is a major lake in the Lac qui Parle Watershed and is the beginning of the Lac qui Parle River, a tributary of the MN River. Similar features of the Coteau Des Prairies as mentioned in the LQP/Yellow Medicine SWCD application; an estimated 60 - 70 percent of the cropland in the county is subject to excessive water and wind erosion; water quality problems are generally the result of municipal and industrial discharge and agricultural runoff; project area size is approximately 5,000 acres.

* Project Objectives/Solutions: To reduce the amounts of sediment, pollutants, and peak runoff entering the ditches in the upper reaches of the lake watershed through BMP implementation; to begin efforts in the upper reaches, followed by the rest of the sub-basin and continue with the remainder of the LQP Watershed Sub-basin in the county . . . this should complement efforts by LQP and Yellow Medicine SWCDs in their efforts in the LQP Watershed . . . a similar effort is taking place in that part of the lake watershed in South Dakota. Install 4,000 feet of waterways (two landowners), 40 water and sediment control basins (six landowners), one ag-waste system; increase use of conservation tillage, Integrated Crop Management, ag-waste use.

* Public Benefit: Improved water quality for Lake Hendricks Watershed, LQP River and MN River; reduction of sediment, nitrogen, and phosphorous; an improved fishery, recreational opportunities.

Note: Lots of other players involved with efforts in this lake watershed, both in MN and South Dakota.

	<u>FUNDING REQUEST</u>	<u>FUNDING RECOMMENDATION</u>
<u>SIBLEY SWCD</u>	20,000 - Projects	8,000 - Projects
"Subsurface Inlet Protection Improvement"	<u>5,000</u> - T/A (20%)	<u>2,000</u> - T/a(20%)
	25,000	10,000

* Water Quality Problem: Extensive public drainage system composed of surface ditches and subsurface tile laterals; inlets installed as "full flow" devices allowing the water to drain away without hesitation; acceptance of crop residue management does create debris that enters the drainage system, seals the inlet prohibiting timely removal of water, creates "blow outs" and may result in damage to crops and roads. Usually, these surface waters are drainage ditches that outlet to tributaries of the MN River.

* Project Objectives/Solutions: To reduce, collect and store debris and/or sediment and associated pollutants before they enter subsurface tile drains; reduce erosion, sedimentation, and costly tile repairs; improve the quality of the water making its way to the MN River; display to others the effectiveness of the proposed project. Replace failing existing tile inlets in public roadways using slotted riser tile intakes along with protective rock bed surrounding the riser to reduce damage. Surveys shows 500 estimated locations.

* Public Benefit: Prediction of soil loss and soil conservation has been an ongoing mission; assuming a typical sediment basin with a ten-acre watershed and predicting a ten-year sediment/phosphorous yield, if all 500 inlets were addressed there would be an estimated 2,650 tons of soil and 4,750 pounds of phosphorous prevented from entering surface waters each year, improving the water quality of the MN River; reduced repair costs to residents of Sibley County.

Note: Not unanimous support from the review committee for this application. A committee consensus was for a report from Sibley SWCD showing results of the project with before and after documentation. Committee agreed that there is a need to look at some type of project to display acceptable removal of surface water, yet slow enough to reduce sediment/etc. Loading to the surface waters. Sibley SWCD is willing to accept less funding and comply with the follow-up report. G-Team looked at this application as an opportunity for a SWCD to conduct a demonstration project and to monitor results, reporting to BWSR their findings. G-Team recommends funding at \$10,000.

TOTALS

<u>FUNDING REQUESTED</u>	<u>FUNDING RECOMMENDATION</u>
1,202,950 - Projects	408,500 - Projects
<u>246,300</u> - T/A (17%)	<u>91,500</u> - T/A (18.3%)
1,449,250	500,000
	plus <u>85,000</u> Roll-over
	585,000

FY 98 SPECIAL PROJECT APPLICATIONS

APPLICANT	PROJECT	TOTAL COST	FUNDING REQUEST	RECOMMENDED FUNDING	ACCUMULATIVE TOTAL
ANOKA	RICE CREEK STABILIZATION STABILIZE 3 STREAMBANK SITES USING RIPRAP AND BIOENGINEERING.	\$107,120	\$53,560	\$0	\$0
BECKER	BUFFALO RIVER STREAMBANK STABILIZATION RIPRAP PROJECT TO PROTECT FARMSITE AND REDUCE SEDIMENTATION IN BUFFALO RIVER.	\$14,000	\$10,500	\$0	\$0
BLUE EARTH	LESUEUR RIVER WING DAM - RIP RAP SECTION 18 INSTALL WING DAM AND RIPRAP ON LESUEUR RIVER TO PROTECT ERODING STREAMBANK AND SAVE TOWNSHIP ROAD.	\$12,500	\$9,375	\$0	\$0
BLUE EARTH	LESUEUR RIVER WING DAMS - SECTION 3 INSTALL WING DAMS TO REDIRECT FLOW TO SAVE ROAD.	\$10,000	\$7,500	\$0	\$0
CARLTON	ONANEGOZIE SAND PLAIN AQUIFER PROTECTION INSTALL AG WASTE SYSTEM TO PREVENT LEACHING OF CONTAMINANTS TO GROUNDWATER.	\$22,000	\$16,500	\$16,500	\$16,500
CARVER	CARVER CREEK/OLSON STREAMBANK STABILIZATION BIOENGINEERING AND RIPRAP ON CARVER CREEK TO STABILIZE AN OUTSIDE STREAMBANK AT AN EXTREMELY ERODIBLE SITE.	\$18,377	\$11,982	\$7,500	\$24,000
CASS	NORTH HIGH BANKS EROSION CONTROL RIPRAP PROJECT ON LAKE WINNE TO PROTECT LAKESHORE OF 12 LEASEHOLDERS.	\$476,000	\$21,500	\$0	\$24,000
CASS	SHINGOBEE RIVER EROSION CONTROL RESHAPE AND VEGETATE ERODING SITES CONTRIBUTING SEDIMENT.	\$20,000	\$5,000	\$0	\$24,000
CHISAGO	KOST DAM EMBANKMENT STABILIZATION STREAMBANK STABILIZATION BELOW DAM IN COUNTY PARK.	\$13,707	\$9,802	\$0	\$24,000
COOK	LAKE SUPERIOR SHORELINE STABILIZATION 21 SITES COVERING 3,360 FEET OF SHORELAND - LOCALS WILL PRIORITIZE PROJECTS OF HIGHEST NEED.	\$626,898	\$47,017	\$15,000	\$39,000
COOK	STORM WATER MANAGEMENT INSTALL STORMWATER MANAGEMENT PRACTICES FOR A HIGH QUALITY DESIGNATED TROUT STREAM.	\$181,250	\$116,000	\$20,000	\$59,000
COTTONWOOD	STEVE GODE WASTE MANAGEMENT SYSTEM AG WASTE SYSTEM WHICH ENCOUNTERED UNFORSEEN DIFFICULTIES DUE TO VERY SHALLOW BEDROCK.	\$83,500	\$45,125	\$25,000	\$84,000
CROW WING	LITTLE PINE TOWNSHIP ROAD REPAIR STABILIZE TOWNSHIP ROAD/CREEK CROSSING.	\$3,000	\$1,000	\$0	\$84,000
CROW WING	MILLE LACS LAKESHORE STABILIZATION RIPRAP SHORELINE STABILIZATION ON HWY 169, CITY OF GARRISON TO STABILIZE ERODING SLOPE AND PREVENT LAKE SEDIMENTATION.	\$14,400	\$5,460	\$5,460	\$89,460
CROW WING	FORT RIPLEY TOWNSHIP ROAD REPAIR STABILIZATION OF TOWNSHIP ROAD NEAR PUBLIC WATERS STREAM.	\$9,000	\$3,000	\$0	\$89,460
CROW WING	CROW WING TOWNSHIP ROAD REPAIRS RIPRAP STABILIZATION OF TOWNSHIP ROAD WASHOUT DURING HIGH WATER CONDITIONS. ALSO WILL REDUCE SEDIMENTATION TO WETLAND.	\$3,000	\$1,000	\$0	\$89,460
CROW WING	GILBERT LAKE PROTECTION CREATION OF A STAIRSTEP PATTERN OF LOW BERMS IN ROAD DITCH TO REDUCE PHOSPHOROUS REACHING LAKE.	\$3,500	\$1,750	\$1,750	\$91,210

FY 98 SPECIAL PROJECT APPLICATIONS

APPLICANT	PROJECT	TOTAL COST	FUNDING REQUEST	RECOMMENDED FUNDING	ACCUMULATIVE TOTAL
CROW WING	CITY OF EMILY/FAIRFIELD TOWNSHIP ROAD REPAIR INSTALL RIPRAP TO PREVENT HIGH LAKE LEVELS FROM ERODING ROAD.	\$3,000	\$1,000	\$0	\$91,210
CROW WING	DAGGET BROOK TOWNSHIP ROAD REPAIRS RIPRAP ROAD SLOPES TO REDUCE SEDIMENTATION TO DAGGET BROOK.	\$3,000	\$1,000	\$0	\$91,210
FARIBAULT	BLUE EARTH RIVERBANK BIO-ENGINEERING STABILIZATION BIOENGINEERING/TRAINING PROJECT TO ANALYZE THE BEST TYPE OF PRACTICE TO APPLY TO CONTROL STREAMBANK EROSION.	\$26,500	\$19,875	\$0	\$91,210
GOODHUE	WELLS CREEK WATERSHED INSTALL UPLAND STRUCTURES TO REDUCE SEDIMENTATION TO STREAM.	\$30,000	\$22,500	\$15,000	\$106,210
GRANT/STEVENS	NIEMACKL LAKES WATERSHED INSTALL BMPs TO IMPROVE WATER QUALITY IN SHALLOW LAKE BASINS AND WETLANDS.	\$497,200	\$261,200	\$45,000	\$151,210
HUBBARD	AGRICHEMICAL/ HAZARDOUS MATERIAL HANDLING FACILITY INSTALL CHEMICAL CONTAINMENT SYSTEM TO PROVIDE GROUND AND SURFACE WATER PROTECTION.	\$23,089	\$17,317	\$0	\$151,210
ITASCA	SAND LAKE SHORLAND STABILIZATION/HABITAT IMPROVEMENT STABILIZE SHORELINE TO REDUCE PHOSPHOROUS AND SEDIMENT LOADING INTO HIGH QUALITY LAKE.	\$88,500	\$10,000	\$10,000	\$161,210
ITASCA	MORRISON BROOK WATER QUALITY IMPROVEMENT SIZE AND REPLACE CULVERT TO PROTECT TROUT STREAM FROM EROSION AND SEDIMENTATION.	\$280,000	\$15,000	\$15,000	\$176,210
JACKSON	MEANDER RESTORATION RESTORE NATURAL MEANDER TO PREVIOUSLY CHanneled SECTION OF JACK CREEK TO REDUCE EROSION AND IMPROVE WATER QUALITY.	\$18,500	\$10,000	\$10,000	\$186,210
KITTSO	COUNTY DITCH #10 REPAIR INSTALL GRADE AND VELOCITY CONTROL STRUCTURES, RESHAPE SIDESLOPES, TO PREVENT EROSION OF IMPORTANT STORM WATER DITCH.	\$119,800	\$15,000	\$15,000	\$201,210
KOOCHICHING	CSAH #21 JAMESON ADDITION RAINY RIVER SHORELINE RIPRAP STABILIZATION IN DEVELOPMENT TO REDUCE SEDIMENTATION AND PROTECT PUBLIC ROAD.	\$9,500	\$7,125	\$0	\$201,210
LAC QUI PARLE	HIGHWAY 51 GULLY REPAIR AND DITCH BANK STABILIZATION.	\$32,000	\$16,000	\$16,000	\$217,210
LAC QUI PARLE	HIGHWAY 7 REPAIR ROAD SIDESLOPES AND INSTALL RIPRAP TO PRESERVE ROAD AND PREVENT SEDIMENTATION TO LAC QUI PARLE RIVER.	\$26,000	\$13,000	\$0	\$217,210
LAKE	LAKE SUPERIOR SHORELINE STABILIZATION RIPRAP AND CONCRETE RETAINING WALL INSTALLATION TO HALT SHORELINE EROSION.	\$1,094,500	\$82,088	\$30,000	\$247,210
MARTIN	ELM CREEK BIO-ENGINEERING BIOENGINEERING AND RIPRAP OF CREEK BANK.	\$29,750	\$22,250	\$22,250	\$269,460
MCLEOD	SILVER LAKE LAKESHORE PROTECTION LAKESHORE RIPRAP TO REDUCE EROSION AND PROTECT A RECONSTRUCTED CITY STREET.	\$43,320	\$32,490	\$0	\$269,460
MCLEOD	CITY OF STEWART STORM WATER CONTROL DEVELOPE A STORMWATER MANAGEMENT PLAN.	\$105,000	\$50,000	\$0	\$269,460

FY 98 SPECIAL PROJECT APPLICATIONS

APPLICANT	PROJECT	TOTAL COST	FUNDING REQUEST	RECOMMENDED FUNDING	ACCUMULATIVE TOTAL
MORRISON	RIPARIAN STABILIZATION AND BMPs INSTALL BMPs ON SELECTED SITES TO CORRECT EROSION AND PHOSPHOROUS LOADING. DEMONSTRATION PROJECT.	\$141,660	\$61,245	\$0	\$269,460
MURRAY	LAKE WILSON SHORELAND PROTECTION INSTALL RIPRAP TO PREVENT SHORELINE EROSION AND PROTECT TOWNSHIP ROAD.	\$20,000	\$15,000	\$0	\$269,460
NICOLLET	FRUHWIRTH STREAMBANK PROTECTION INSTALL RIPRAP TO REDUCE SEDIMENTATION TO EIGHT MILE CREEK.	\$11,000	\$8,250	\$0	\$269,460
NICOLLET	RENGSTORF EROSION CONTROL DIVERT RUNOFF AWAY FROM ERODIBLE ROAD DITCH.	\$18,000	\$13,500	\$0	\$269,460
NICOLLET	ANDERSON STREAMBANK PROTECTION RIPRAP A PORTION OF ROGERS CREEK.	\$10,000	\$7,500	\$0	\$269,460
PINE	PARTRIDGE TOWNSHIP SINKHOLE STUDY SINKHOLE INVESTIGATION - NO PRACTICE INSTALLATION.	\$118,528	\$26,326	\$0	\$269,460
POPE	WALDEN TOWNSHIP RIPRAP STABILIZE CHIPPEWA RIVER STREAMBANK AND PROTECT TOWNSHIP ROAD.	\$45,000	\$33,750	\$0	\$269,460
POPE	WILDWOOD SEDIMENT BASIN INSTALL RIPRAP ALONG LAKE MINNEWASKA TO PREVENT LAKESHORE LOSS AND PREVENT SEDIMENTATION.	\$15,000	\$11,250	\$11,250	\$280,710
POPE	LAKE MINNEWASKA RIPRAP REDUCE SEDIMENT ENTERING LAKE MINNEWASKA BY INSTALLING GRASS WATERWAY AND SEDIMENT BASIN.	\$50,000	\$37,500	\$25,000	\$305,710
RAMSEY	KOHLMAN CREEK STABILIZATION STABILIZE STREAMBANK UTILIZING BIOENGINEERING TECHNIQUES.	UNKNOWN	\$20,000	\$0	\$305,710
RED LAKE	CSAH #11 EROSION CONTROL INSTALL DIVERSIONS AND STABILIZE 3 GULLIES TO PROTECT HIGHWAY RIGHT-OF-WAY AND PROTECT OXBOW WETLAND.	\$30,000	\$16,500	\$0	\$305,710
RED LAKE	SCHMITZ-SEEGER OUTLET GRADE STABILIZATION STRUCTURE INSTALL DROP BOX TO STABILIZE GULLY.	\$10,000	\$7,500	\$0	\$305,710
RED LAKE	JOHANNECK-RLF GR. STREAMBANK PROTECTION BANK PROTECTION USING GABION BASKETS AND FINGER WIER DEFLECTION DAMS ON RED LAKE RIVER.	\$15,000	\$11,250	\$0	\$305,710
RED LAKE	THIBERT-MACK GR. OUTLET STRUCTURE INSTALL CMP DROP STRUCTURE TO CREATE IMPOUNDMENT AND PREVENT GULLY EROSION.	\$20,000	\$15,000	\$0	\$305,710
ROCK	STORM RETENTION POND INSTALL STRUCTURE TO IMPROVE WATER QUALITY AND REDUCE EROSION IN POPLAR CREEK.	\$575,000	\$32,500	\$20,000	\$325,710
SCOTT	FOGARTY STORMWATER CONTROL INSTALL STILLING BASIN, RIPRAP FILTER, WATERWAY, AND OUTLET STRUCTURE TO CORRECT HWY. 169 RUNOFF.	\$57,500	\$20,000	\$20,000	\$345,710
SCOTT	JORDAN STREAMBANK STABILIZATION STABILIZE 4 BANK SITES ON SAND CREEK USING RIPRAP, BIOENGINEERING, AND CHANNEL RESTORATION.	\$127,500	\$63,750	\$30,000	\$375,710

FY 98 SPECIAL PROJECT APPLICATIONS

APPLICANT	PROJECT	TOTAL COST	FUNDING REQUEST	RECOMMENDED FUNDING	ACCUMULATIVE TOTAL
SHERBURNE	ORONO CEMETARY LAKESHORE STABILIZATION	\$19,863	\$11,863	\$0	\$375,710
	STABILIZE ERODING SHORELINE BY RESHAPING SLOPE TO PREVENT SOIL LOSS AND SEDIMENT LOADING INTO LAKE ORONO.				
SHERBURNE	MISSISSIPPI RIVER EROSION CONTROL	\$50,000	\$25,000	\$0	\$375,710
	STABILIZE MISSISSIPPI RIVERBANK WITH RIPRAP TO CONTROL EROSION.				
SIBLEY	ARLINGTON TOWNSHIP STREAMBANK STABILIZATION	\$34,373	\$25,780	\$0	\$375,710
	STREAMBANK RIPRAP PROJECT TO PROTECT TOWNSHIP ROAD.				
SNAKE RIVER SWCDs	SNAKE RIVER MONITORING & EROSION PROTECTION	\$182,685	\$57,247	\$30,214	\$405,924
	ACCELERATED WATERSHED IMPLEMENTATION USING LOW COST BMPs.				
SOUTH ST. LOUIS	ISLAND LAKE SHORELINE STABILIZATION	\$65,100	\$48,825	\$0	\$405,924
	INSTALL RIPRAP TO STABILIZE ERODING BANK AND REDUCE LAKE SEDIMENTATION.				
SOUTH ST. LOUIS	GEOTECHNICAL SITE INVESTIGATION	\$3,000	\$2,250	\$0	\$405,924
	INVESTIGATIVE STUDY OF GEO-TECHNICAL APPLICATION TO STABILIZE SHORELINE AT MULTIPLE SITES				
SOUTH ST. LOUIS	LAKE SUPERIOR BLUFF STABILIZATION	\$40,730	\$30,547	\$0	\$405,924
	INSTALL CONCRETE WALL TO STOP SHORELINE EROSION AND PREVENT LAKE SEDIMENTATION.				
SOUTH ST. LOUIS	LAKE SUPERIOR SHORELINE STABILIZATION & DEMONSTRATION	\$22,500	\$8,037	\$8,037	\$413,961
	SHORELINE RIPRAP STABILIZATION TO REDUCE EROSION AND SEDIMENT DISCHARGE TO LAKE SUPERIOR.				
STEARNS	FELDEERD WASTE MANAGEMENT	\$64,633	\$18,744	\$0	\$413,961
	INSTALL AG WASTE SYSTEM TO REDUCE NUTRIENT LOADING TO SAUK RIVER.				
STEARNS	N. FORK CROW RIVER FEEDLOT POLLUTION ABATEMENT	\$52,159	\$8,039	\$8,039	\$422,000
	INSTALL AG WASTE SYSTEM TO REDUCE PHOSPHOROUS LOADING OF RIVER.				
TODD	SAUK LAKE SHORELAND EROSION CONTROL	\$7,000	\$5,250	\$0	\$422,000
	RE-SHAPE, RE-SEED, AND RIPRAP SHORELINE TO CONTROL SHORELINE EROSION AND IMPROVE LAKE WATER QUALITY.				
TRAVERSE	MAUDAL STREAMBANK STABILIZATION	\$45,000	\$15,000	\$0	\$422,000
	STABILIZE MUSTINKA RIVERBANK TO CONTROL EROSION AND PREVENT SEDIMENT LOADING INTO LAKE TRAVERSE.				
TRAVERSE	PAUL MITTENESS STREAMBANK STABILIZATION	\$30,000	\$15,000	\$0	\$422,000
	RESHAPE AND INSTALL RIPRAP TO STABILIZE STREAMBANK AND REDUCE SEDIMENTATION TO MUSTINKA RIVER.				
WASECA	LESUEUR RIVERBANK STABILIZATION	\$10,000	\$7,500	\$0	\$422,000
	INSTALL DIKES TO DIRECT FLOW AWAY FROM UNSTABLE BANKS AND REDUCE SEDIMENTATION.				
WASHINGTON	WILLERNIE STORM SEWER & EROSION CONTROL	\$179,000	\$50,000	\$0	\$422,000
	CONTROL STORMWATER AND STABILIZE RAVINE OUTLETING TO A WETLAND.				
WASHINGTON	STILLWATER FOURTH STREET RAVINE STORM SEWER	\$159,979	\$32,000	\$32,000	\$454,000
	CONTROL EROSION CAUSED BY URBAN RUNOFF INTO RAVINE AND STABILIZE AREA SUPPORTING SANITARY SEWER MAIN.				
WATONWAN	WATONWAN RIVERBANK STABILIZATION	\$12,000	\$6,000	\$6,000	\$460,000
	INSTALL WING DAM AND BUFFER STRIP TO STABILIZE RIVERBANK/CHANNEL AND PROTECT TOWNSHIP ROAD AND BRIDGE.				

FY 98 SPECIAL PROJECT APPLICATIONS

APPLICANT	PROJECT	TOTAL COST	FUNDING REQUEST	RECOMMENDED FUNDING	ACCUMULATIVE TOTAL
WEST OTTER TAIL	LAKE LIDA BANK STABILIZATION STABILIZE SLUMPING BANK.	\$60,000	\$41,000	\$0	\$460,000
WHITEWATER SWCDs	WHITEWATER WATERSHED BMP IMPLEMENTATION IMPLEMENT A CITIZENS ADVISORY PLAN TO APPLY UPLAND BMPs TO IMPROVE WATER QUALITY.	\$133,333	\$100,000	\$40,000	\$500,000
WILKIN	OTTER TAIL RIVER STREAMBANK STABILIZATION RIPRAP RIVERBANK TO CONTROL EROSION AND REDUCE NUTRIENT LOADING INTO RIVER.	\$17,000	\$12,750	\$0	\$500,000
TOTALS		\$6,483,454	\$1,870,819	\$500,000	

**FY 98 STATE COST SHARE SPECIAL PROJECT
APPLICATION EVALUATION**

APPLICANT _____ SCORE _____

PROJECT TITLE _____

ESTIMATED TOTAL PROJECT COST \$ _____ FUNDING REQUEST \$ _____

FUNDING RECOMMENDATION YES NO AMOUNT \$ _____
(CIRCLE ONE)

PROJECT DESCRIPTION:

SCORING

Project Innovativeness (max. 10 points each)

New Technology _____

Multi-Agency Involvement _____

Demonstration Potential _____

Public Benefit (max. 10 points each)

Qualitative _____

Quantitative _____

Effectiveness (max. 5 points each)

Anticipated Project Effectiveness _____

Anticipated Project Longevity _____

BWSR Cost Share Efficiency (max. 5 points each)

Previously BWSR Cost Shared _____

Other Public Matching _____

Project Maintainability _____

Program Suitability _____

Project Completion (max. 5 points each)

Is Project a Proceeding Phase _____

Previous BWSR Involvement _____

Available Technical Expertise _____

Project Priority (max. 5 points each)

Minnesota _____

Local _____

TOTAL _____

Comments:

Reviewed By _____

Date _____

June 13, 1997

TO: Board Members

FR: Tim Fredbo, Easement Program Manager

RE: Easement Sign-up In Response To Flooding

Background:

The devastating spring flooding has once again emphasized the need to permanently retire flood-prone riparian lands and restore drained wetlands via the RIM Reserve easement program. In response to this need, I am seeking the Board's authorization to immediately accept and fund RIM Reserve easement applications associated with flood recovery efforts currently underway. Normal RIM Reserve sign-up period for this year will have an early December deadline. Funds will come from our existing bonding account balances.

In many areas of the state, particularly in the Minnesota and Red River watersheds, cropped areas in flood plains suffered severe scour erosion. The tons of sediment that were scoured away cause immeasurable negative downstream water quality impacts. Many areas suffered enough damage that cropping them will no longer be physically possible without filling in the scour areas to enable tillage equipment to cross. In comparison, floodplain lands under permanent vegetative cover suffered very little damage. Perpetual RIM Reserve easements would be excellent land-use alternatives for these repeatedly scoured floodplains.

The efficient agricultural drainage system that has been created in many parts of the state no doubt contributed to downstream flooding. However, it must be noted that this is not the sole reason that severe flooding took place this spring!! By draining many of our natural wetland systems we eliminate any possible flood water retention capabilities that the natural landscape may provide. How much flood water storage capacity that natural wetland systems can provide is dependent on many factors, but common sense dictates that any amount of storage provided in a restored wetland system is better than that provided by an efficiently drained one. Restoration of drained wetlands does have a positive cumulative effect on helping to lessen downstream flooding and water quality impacts.

This spring's flooding has caused 58 counties in the state to be declared disaster areas. In response, the state and federal governments have set up a disaster task force to assist in recovery efforts. This task force has instituted a community application process whereby local units of government can make application for flood recovery assistance. Soil and water conservation districts, in disaster counties, can make application for assistance through our conservation easement programs via this community application process.

Information To Support Request:

The BWSR staff has made an on-going attempt to quantify the dollar amount of program assistance that will be needed as a result of the flooding. In late April a flood damage survey was sent to LGU's for them to use in assessing their needs. Preliminary results of this survey indicate that approximately \$2.7 million could be used to secure RIM conservation easements in areas that were impacted by flooding. The flood damage survey results from June 6 are included as Attachment 1.

Currently there is a bond fund balance of approximately \$5.6 million available for RIM Reserve easement acquisition in 1997. Regular sign-up period ends in early December so funding decisions are not made until after that time.

Staff Recommendation:

Authorize staff to currently accept, and make funding decisions on, RIM Reserve applications received via the flood recovery community application process. Make \$2.7 million available for this initiative. This will leave a balance of approximately \$2.9 million still available for the regular Dec. 1997 sign-up deadline.

Applications would only be considered from disaster counties. To make funding decisions on easement applications, easement staff would utilize the grants team or a team made up of field staff from each of the BWSR regions.

Only easement applications that would potentially reduce future flooding impacts would be considered for funding (e.g., riparian, wetland restoration, and exempt and at risk PWP). Priority will be given to funding of perpetual easement applications.



One West Water Street
Suite 200
St. Paul, MN 55107
(612) 296-3767
Fax (612) 297-5615

Field Offices

Northern Region:

394 S. Lake Avenue
Room 403
Duluth, MN 55802
(218) 723-4752
Fax (218) 723-4794

3217 Bemidji Avenue N.
Bemidji, MN 56601
(218) 755-4235
Fax (218) 755-4201

217 S. 7th Street
Suite 202
Brainerd, MN 56401-3660
(218) 828-2383
Fax (218) 828-6036

Southern Region:

261 Highway 15 S.
New Ulm, MN 56073-8915
(507) 359-6074
Fax (507) 359-6018

40--16th Street SE
Suite A
Rochester, MN 55904
(507) 285-7458
Fax (507) 280-2875

Box 267
1400 E. Lyon Street
Marshall, MN 56258
(507) 537-6060
Fax (507) 537-6368

Metro Region:

One West Water Street
Suite 250
St. Paul, MN 55107
(612) 282-9969
Fax (612) 297-5615

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DATE: June 6, 1997

TO: Soil and Water Conservation Districts
Watershed Districts
County Planning and Zoning Administrators
Tribal Council Chairpersons
County Extension Educators

FROM: Ronald D. Harnack, Executive Director

SUBJECT: **Rural Minnesota Flood Recovery Initiative**

James R. Bull
Int. Dir.

Flood recovery efforts to date have focused substantially on municipal communities and public infrastructure damage throughout the state. This focus has been due in part to the associated concentration of damages and the organizational capacities of municipalities and local governments to respond. Some rural homeowners, business operators and farmers may feel overlooked in the flood recovery efforts to date, or don't know who to contact and how to submit an application for disaster assistance. The Governor's Disaster Task Force has received inquiries that seem to point to a potential need in this regard.

Some you have already submitted applications or are working with landowners and businesses to complete applications. This memo is an additional effort to provide information, application materials and guidance to help ensure that rural residents have the opportunity to apply for disaster assistance. The Minnesota Rural Partners, the Minnesota River Joint Powers Board and the Red River Watershed Management Board are helping in this effort. The first steps in this effort include:

- A) Providing the enclosed community application and information materials to all soil and water conservation districts (SWCDs), watershed districts, county extension educators, Tribal leaders, and county planning and zoning administrators in federally declared disaster counties.
- B) Providing you with the names of the regional disaster coordinators who are available to assist local governmental units (LGUs) in the application process.
- C) Requesting your assistance in identifying the local government coordinator and/or contact person in your county or jurisdiction to assist rural individuals or groups with disaster assistance requests (see attached request sheet). As you probably are aware, all federal and state programs use the same application form and applications must come through a federal, state or local unit of government.

- (D) Identifying potential needs for assistance within your jurisdiction for rural disaster response.
- (E) Asking the LGU to provide public service announcements and news releases for radio stations and local newspapers in the Minnesota and Red River basins. These announcements and releases should include LGU contact information for rural residents regarding application assistance procedures.

LGUs are encouraged to submit composite applications for rural individuals in your jurisdictions. We expect most applications will be submitted by counties or watershed districts, with the assistance of county extension offices, SWCDs, and tribal leaders. Regional disaster recovery coordinators can also provide LGUs guidance and assistance.

All applications are reviewed by subcommittees of the Governor's Disaster Task Force, which direct the applications to appropriate programs and help make prioritization decisions, as necessary. Comprehensive applications and LGU input regarding needs and priorities are welcome.

Again, LGU questions and assistance should be directed to the regional disaster coordinators.

ATTACHMENTS:

- Community Assistance Application
- List of Regional Flood Disaster Coordinators
- Minnesota Recovers Disaster Task Force
- Rural Community Flood Response Coordinator Form
- Map of Minnesota Counties Declared Disaster Areas
- Map of Flood Damage Survey Summary
- Rural Community Flood Response Coordinator Form and Stamped Envelope
- Listing of Soil and Water Conservation Districts
- Listing of Watershed Districts
- Listing of County Planning and Zoning Administrators
- Listing of Tribal Council Chairpersons
- Listing of County Extension Educators

cc: Marcie McLaughlin, Minnesota Rural Partners
John Linc Stine, DNR (Co-chair Mitigation and Flood Control Subcommittee)
Dave Weirens, Association of Minnesota Counties
D'Wayne DeZiel, Minnesota Association of Soil and Water Conservation Districts
Steve Hansen, Minnesota River Basin Joint Powers Board
Don Ogaard, Red River Watershed Management Board



COMMUNITY APPLICATION

Minnesota Flood '97 Comprehensive Application for Communities for Federal/State Disaster Assistance

This application is designed to be used by communities in presidentially declared disaster counties to apply for federal and state long-term flood recovery assistance. The Minnesota Recovers Disaster Task Force, consisting primarily of the funding agencies listed at the bottom of this page, will use the information provided by community applicants to determine appropriateness of projects for federal or state funding.

On the attached pages, please provide a description of the damages, the project(s) that you propose to repair or mitigate those damages, and a preliminary estimate of costs per project or activity. The Task Force will review applications at weekly, multi-agency meetings.

Once preliminary program funding commitments have been made by the Task Force, community applicants will be notified and directed to fill out application material specific to the appropriate funding source(s).

Please note that this application is not intended to replace the FEMA Public Assistance Application.

Completed applications, or questions about the application can be directed to:

Minnesota Recovers Disaster Task Force
c/o Dept. of Trade & Economic Development
500 Metro Square
121 7th Place East
St. Paul, MN 55101-2146
(612) 297-1530
1-800-657-3858
Fax: (612) 296-5287
E-Mail: qjones@dted.state.mn.us

Federal Emergency Management Agency (FEMA) (HMGP)
Economic Development Administration (EDA)
USDA - Rural Development (RD, formerly FmHA)
Housing and Urban Development (HUD)
Small Business Administration (SBA)
U.S. Department of Agriculture (USDA)
MN Div. of Emergency Management (DEM)
MN Dept. of Natural Resources (DNR)
MN Pollution Control Agency (PCA)
MN Dept. of Trade and Economic Development (DTED)
MN Housing Finance Agency (MHFA)
MN Public Facilities Authority (PFA)
MN Dept. of Commerce (DOC)
MN Dept. of Economic Security
MN Dept. of Health
MN Dept. of Human Services
MN Board of Water and Soil Resources
Greater MN Housing Fund

ESTIMATE OF COSTS PER PROJECT/ACTIVITY

1. Acquisition	14. Assistance to For-Profit Business(es)
\$	\$
2. Clearance/Demolition	15. Assistance to Non-Profit Organization(s)
\$	\$
3. Floodproofing/Elevation	16. Planning/Project Needs Assessment/Project Coordination/Construction Management
\$	\$
4. Relocation	17. Architectural/Engineering Services
\$	\$
5. Water Supply	18. School Rehabilitation/Construction
\$	\$
6. Wastewater Treatment Facilities	19. Hospital/Clinic Rehabilitation/Construction
\$	\$
7. Septic Systems	20. Government Building Rehabilitation/Construction
\$	\$
8. Storm Sewer	21. Assisted Living Housing/Nursing Home Rehabilitation/Construction
\$	\$
9. Roads/Streets/Bridges	22. Social Service Facilities or Activities
\$	\$
10. Public Services	23. Levee/Floodwall Construction
\$	\$
11. Owner-Occupied Housing Rehabilitation/Construction	24. Sedimentation/Soil Erosion/Water Quality
\$	\$
12. Rental Housing Rehabilitation/Construction	25. Contamination Cleanup
\$	\$
13. Commercial Rehabilitation/Construction	26. Other (describe)
\$	\$
TOTAL PRELIMINARY REQUEST	
\$	

Application Number: _____

Applicant/Address/Phone/Fax/E-Mail:

("Applicant" can be city, county, township, watershed or other district, Indian Tribe, rural electric coop., etc.)

Contact Person/Address/Phone/Fax/E-Mail:

General Project Location:

Project Narrative

(Please attach a map showing damaged area(s) and proposed project site(s), if applicable.)

Provide a brief description of the damage for which you are requesting mitigation assistance:

For office use only:

Subcommittee Assignment(s):

Infrastructure

_____ & ED

_____ Housing

Mitigation &

_____ Fld Ctrl

_____ Ag/Erosion

Health &

_____ Human Svs.

Project Narrative
(Continued)

Provide a brief description of the proposed project(s):

DISASTER RECOVERY COORDINATORS

East Grand Forks

Steve Griesert
Community Partners Research, Inc.
10865 32nd Street North
Lake Elmo, MN 55042

612/777-1813
507/645-6037 FAX

Region 1 Serves Kittson, Marshall, Norman, Pennington, Polk, Red Lake, and Roseau counties.

Leon Heath
Northwest RDC
115 South Main Avenue
Warren, MN 56762

218/745-6733
218/745-6438 FAX

Region 4 Serves Becker, Clay, Douglas, Grant, Otter Tail, Pope, Stevens, Traverse, and Wilkin counties.

John Molinaro
West Central Initiative Fund
Norwest Bank Building, Suite 205
220 West Washington
Fergus Falls, MN 56537

218/739-2239
218/739-5381 FAX

Region 6E Serves Kandiyohi, McLeod, Meeker, and Renville counties.

Eugene Hippe
Mid-Minnesota Development Commission
333 Sixth Street SW
Willmar, MN 56201

320/235-8504
320/235-4329 FAX

Region 6W Serves Big Stone, Chippewa, Lac Qui Parle, Swift, and Yellow Medicine counties.

Paul Michaleson
Upper MN Valley RDC
323 West Schlieman
Appleton, MN 56208

320/289-1981
320/289-1982 FAX

Region 8 Serves Cottonwood, Jackson, Lincoln, Lyon, Murray, Nobles, Pipestone, Redwood and Rock counties.

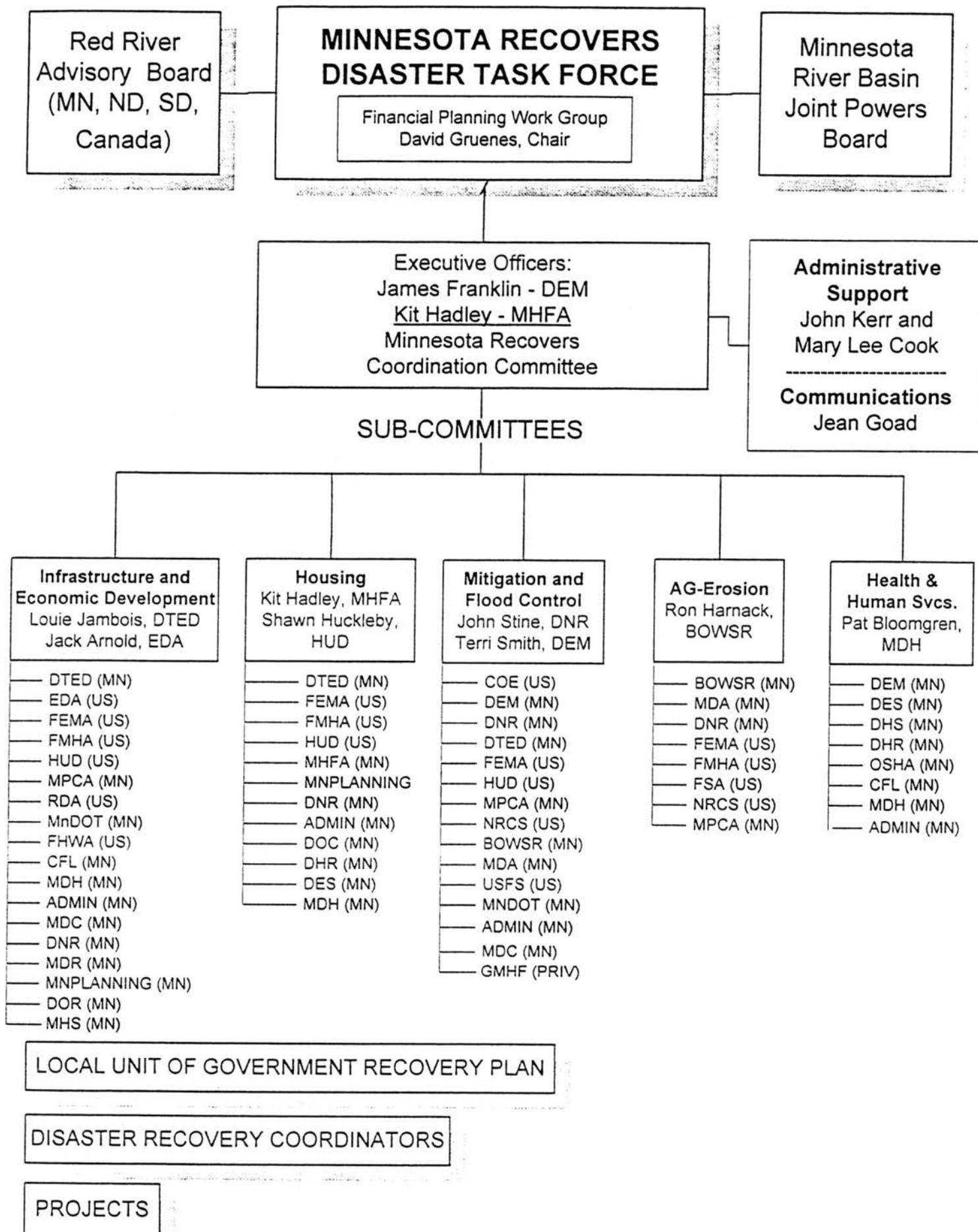
Ann Peterson
Southwest RDC
2524 Broadway Avenue
Slayton, MN 56172

507/836-8547
507/836-8866 FAX

Region 9 Serves Blue Earth, Brown, Faribault, LeSueur, Martin, Nicollet, Sibley, Waseca, and Watonwan counties.

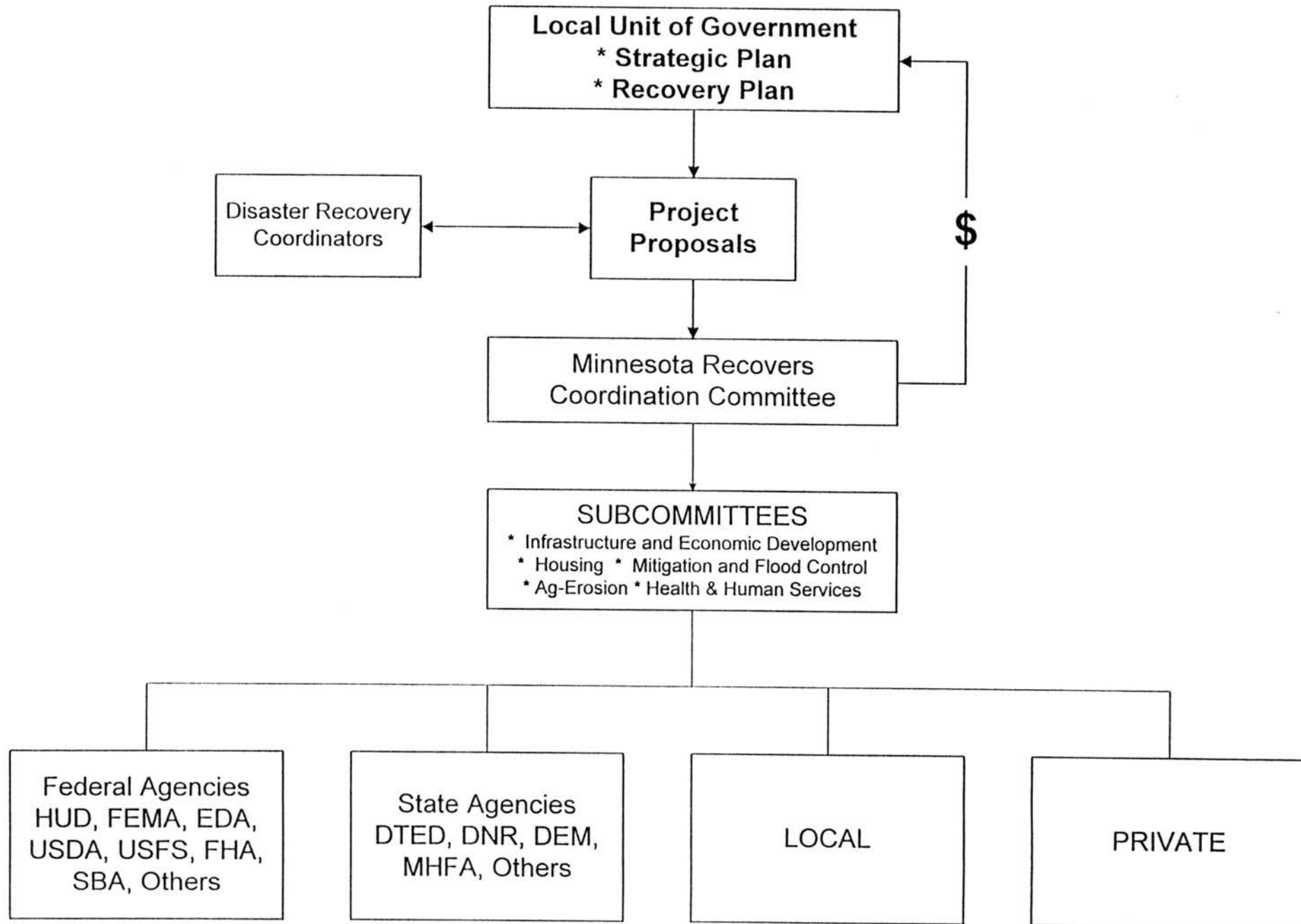
Wes Judkins
Region 9 Development Commission
PO Box 3367
Mankato, MN 56002

507/387-5643 or
800/450-5643
507/387-7105 FAX

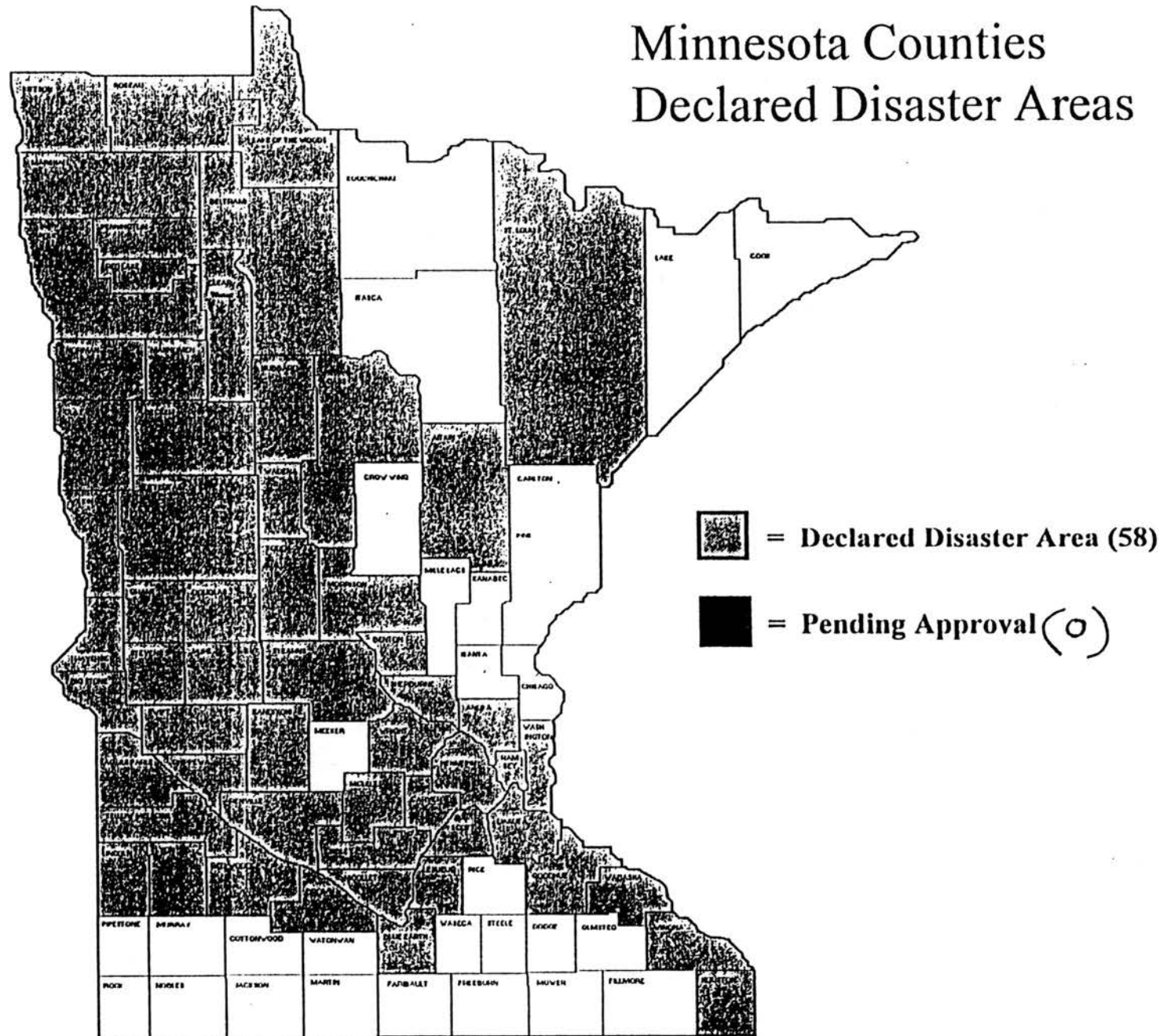


Project Funding

May 28, 1997

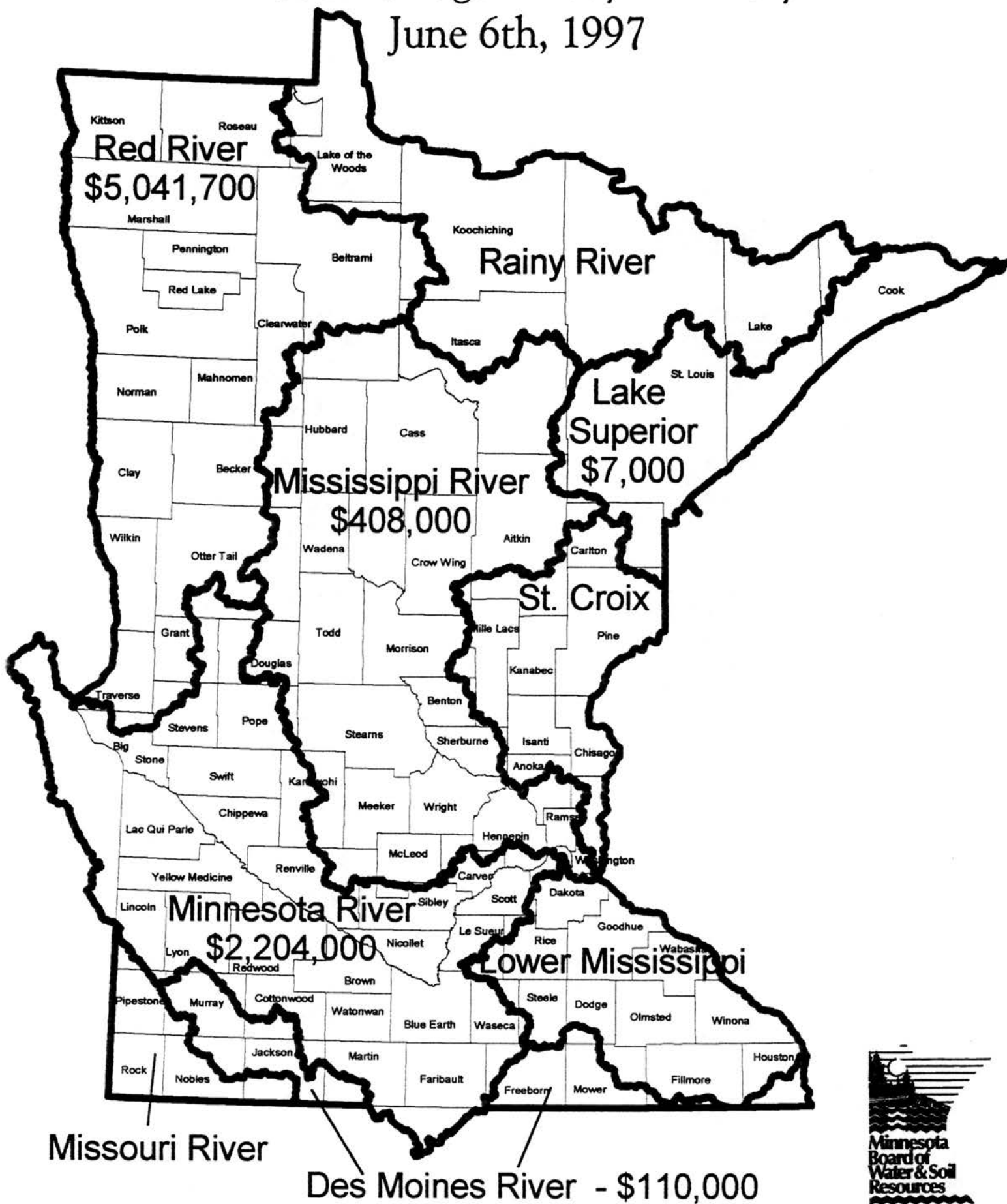


Minnesota Counties Declared Disaster Areas



5 May 1997

Ag Erosion Flood Damage Survey Summary June 6th, 1997



AG EROSION FLOOD DAMAGE SURVEY SUMMARY AS OF JUNE 6, 1997

BWSR

SWCD/WD/WMO	NUMBER OF LANDOWNERS	STATE COST SHARE FUNDS NEEDED	RIM RESERVE FUNDS NEEDED	OTHER	PREVIOUS STATE/ FEDERAL FUNDING	TOTAL FUNDS
BECKER	2	\$4,000	\$0	\$0	YES	\$4,000
BIG STONE	9	\$162,000	\$6,000	\$0	YES	\$168,000
BROWN	2	\$0	\$125,000	\$0		\$125,000
CARLTON	0	\$0	\$0	\$0		\$0
CHIPPEWA	24	\$110,000	\$944,000	\$100,000		\$1,154,000
CLAY	175	\$2,468,000	\$0	\$60,000		\$2,528,000
COTTONWOOD	0	\$0	\$0	\$0		\$0
CROW WING	6	\$30,000	\$0	\$0		\$30,000
JACKSON	0	\$0	\$0	\$0		\$0
KOOCHICHING	0	\$0	\$0	\$0		\$0
LAKE OF THE WOODS	0	\$0	\$0	\$0		\$0
MAHNOMEN	4	\$9,700	\$0	\$0	YES	\$9,700
MARINE WD	0	\$0	\$0	\$0		\$0
MARSHALL	5	\$40,000	\$59,000	\$0		\$99,000
MURRAY	2	\$110,000	\$0	\$0		\$110,000
N. CANNON RIVER WMO	0	\$0	\$0	\$0		\$0
N. FORK CROW RIVER WD	8	\$378,000	\$0	\$0		\$378,000
OTTER TAIL		\$500,000				\$500,000
PELICAN RIVER WD		\$500,000				\$500,000
RAMSEY-WASH. WD	0	\$0	\$0	\$0		\$0
RED LAKE	25	\$251,000	\$0	\$0	YES	\$251,000
RED LAKE WD		\$0	\$0	\$1,150,000		\$1,150,000
REDWOOD	4		\$298,000	\$0		\$298,000
RENVILLE	6	\$0	\$280,000	\$0		\$280,000
ROCK	0	\$0	\$0	\$0		\$0
SHERBURNE	0	\$0	\$0	\$0		\$0
SWIFT	21	\$5,000	\$787,000	\$0	YES	\$792,000
						(OVER)

AG EROSION FLOOD DAMAGE SURVEY SUMMARY AS OF JUNE 6, 1997

BWSR

SWCD/WD/WMO	NUMBER OF LANDOWNERS	STATE COST SHARE FUNDS NEEDED	RIM RESERVE FUNDS NEEDED	OTHER	PREVIOUS STATE/ FEDERAL FUNDING	TOTAL FUNDS
S. ST. LOUIS	2	\$7,000	\$0	\$0		\$7,000
TWO RIVERS WD	10	\$85,000	\$0	\$0		\$85,000
WATONWAN	13	\$0	\$201,000	\$0	YES	\$201,000
WRIGHT	0	\$0	\$0	\$0		\$0
YELLOW MEDICINE	7	\$156,000	\$30,000	\$0		\$186,000
TOTALS	325	\$4,815,700	\$2,730,000	\$1,310,000		\$8,855,700

RURAL COMMUNITY FLOOD RESPONSE COORDINATOR

Please complete the following information for the designated flood response coordinator in your community and return in the enclosed self-addressed stamped envelope. This information will be used for future communication and coordination throughout the flood response effort. Please return by June 20, 1997.

Local Governmental Unit _____

Designated Flood Response Coordinator _____

Title _____

Address _____

Phone Number _____ Fax Number _____

E-mail Address _____

At this time do you feel your community will be submitting an application for flood damage assistance? Yes _____ No _____ Maybe _____

SOIL AND WATER CONSERVATION DISTRICTS

AITKIN COUNTY SWCD - 218-927-6565

130 Southgate Drive, Aitkin, 56431
FAX: 218-927-6014
District Manager - Steven R. Hughes
District Secretary - Lori M. Nelson
District Technician - Janet Smude

ANOKA SWCD - 612-434-2030

16015 Highway 65, NE, Ham Lake, 55304
FAX: 612-434-2094
District Manager - Chris A. Lord
District Technician - Becky Straub, Chad Quigley

BECKER SWCD - 218-847-2651

809 8th Street S.E., Detroit Lakes, 56501
FAX: 218-847-8910
District Administrator - Brad Grant
District Technicians - Dean Hendrickson, Ed Clem
District Secretary/Clerk - Ginger Flynn

BELTRAMI SWCD - 218-755-4339

3217 Bemidji Avenue North, Bemidji, 56601
FAX: 218-755-4201
District Manager - Chris Parthun
District Technician - Phil Votruba
District Aquatic Biologist - Jeff Hrubes
District Stewardship Forester - Jerry Stensing
District Secretary - Deanna (Andi) Garrett

BENTON SWCD - 320-968-7293

14 Second Avenue West, Foley, 56329
FAX: 320-968-8368
District Manager - Mark Hauck
District Technician - Gerald J. Maciej
Conservation Aide - Jason Selvog
District Secretary - Patty Lezer

BIG STONE SWCD - 320-839-6149

342 N.W. 2nd Street, Ortonville, 56278
FAX: 320-839-3313
District Technician - Gary Hoffman
District Clerk/Aide - Wanda Holker

BLUE EARTH COUNTY SWCD - 507-345-4744

1160 Victory Drive, #3, Mankato, 56001-5307
FAX: 507-345-6036
District Manager/Tech. - David Schotzko
Assist. Manager - Mary Purrier

BROWN SWCD - 507-794-2553

300 2nd Avenue S.W., Sleepy Eye, 56085
FAX: 507-794-5553
District Program Manager - Fabian (Tom) Maher
District Office Manager - Kathy Krzmarzick
District Aide (Part Time) - Mark Marti

CARLTON COUNTY SWCD - 218-384-3903

310 Chestnut Ave., P.O. Box 29, Carlton, 55718-0029
FAX: 218-384-3904
District Manager - S. Kelly Smith
District Water Plan Coordinator - Brian Hagen, Carlton Co.
Courthouse, 301 Walnut St., Carlton, 55718
District Office Manager - Georgieann (Jo) Lind

CARVER SWCD - 612-442-5101

219 E. Frontage Road, Waconia, 55387-1862
FAX: 612-442-5102
District Manager/Tech. - Rich Perrine
District Tech. - Tim Gieseke

CASS SWCD - 218-547-3300 Ext. 399

Cass Co. Cths. 300 Minnesota Ave., Walker, 56484
FAX: 218-547-2440
District Manager - John Sumption
District Clerk - Brenda Tooker

CHIPPEWA SWCD - 320-269-2139

629 No. 11th St., Montevideo, 56265
FAX: 320-269-7412
District Manager - Jean Diggins
District Technician - Tom Warner
District Technician Asst. - Jane Link

CHISAGO SWCD - 612-674-2333

38694-8 Tanger Drive, North Branch, 55056
FAX: 612-674-8828
District Resource Conservationist - Edward A. Beck
Administrative Asst. - Sherry Stirling
Water Plan Coord. - Mary Darragh Schmitz

CLAY SWCD - 218-233-7994

2223 East Highway 10, Moorhead, 56560
FAX: 218-287-1787
District Manager - Kevin Kassenborg
District Technician - Craig Halverson
District Secretary - Karen S. Carlsrud

CLEARWATER SWCD - 218-694-6845

P.O. Box 327, Bagley, 56621
FAX: 218-694-6845
District Manager - Milayne Lundmark
District Technician - Doug Thompson

COOK COUNTY SWCD - 218-387-3013

Box 825, Grand Marais, 55604
FAX: 218-387-3012
District Manager - Lisa Gorney
District Conservation Specialist - Wayne Seidel

COTTONWOOD SWCD - 507-831-1153

940 4th Avenue, Windom, 56101-1639
FAX: 507-831-2928
District Administrator/Tech. Assistant - Kay Clark
District Technician - David Bucklin
District Education/Financial Coord. - Cheryl Mathias

CROW WING SWCD - 218-828-6197

512 C Street N.E., Brainerd, 56401
FAX: 218-828-8837
District Manager/Technician - Keith Pohl
District Tech. - Bonnie Goshey
District Office Secretary - Karen Strobel

DAKOTA COUNTY SWCD - 612-460-8004

821 Third Street, Suite 100, Farmington, 55024
FAX: 612-460-8401
District Administrator - Lisa R. Rohr
District Resource Specialist - Dan Steffek
District Secretary - Lana Rotty/Asst. - Dee Parker
Wetland Specialist - Brian Watson

DODGE SWCD - 507-374-6430

P.O. Box 488, Dodge Center, 55927
FAX: 507-374-6333
District Technicians - James Hruska, Tom Johnston
District Clerk/ Secretary - Kathleen Loew

DOUGLAS SWCD - 320-762-0207

807 Highway 29 North, Alexandria, 56308
District Coordinator - Jerome Haggenmiller
District Technician - Elwood Anderson
District Secretary - Audrey Kleespies

FARIBAULT COUNTY SWCD - 507-526-2300

415 So. Grove St., Suite 8, Faribault Co. Ag Center, Blue Earth
FAX: 507-526-2508
District Manager - Gary Wehrenberg
Assist. Manager - Michele Stindtman
District Technician - Shane Johnson, Chad Viland
District Secretary - Linda Pirsig

FILLMORE SWCD - 507-765-3878

900 Washington N.W., Box A, Preston, 55965
FAX: 507-765-4415
District Manager - Darrell Brekke
District Technicians - Rick Grooters, Doug Keene

FREEBORN COUNTY SWCD - 507-373-5607

1400 West Main Street, Albert Lea, 56007
FAX: 507-373-7654
District Manager - Donald Flatness
District Technician - Paul Hagen
District Secretary - Ann Schlapper

GOODHUE COUNTY SWCD - 612-923-5286

104 East Third Avenue, P.O. Box 335, Goodhue, 55027
FAX: 612-923-5288
District Manager - Glen Roberson
District Technicians - Paul Kalass, Kevin Scheidecker,
Steve Pahs
District Secretary - Christine Wagner

GRANT SWCD - 218-685-5396

P.O. Box 177, Elbow Lake, 56531
FAX: 218-685-6631
District Manager - Joe Montonye
District Technician - Loren Olson
District Coordinator - Mary Jo Knutson

HENNEPIN SWCD - 612-544-8572

10801 Wayzata Boulevard, Suite 240, Minnetonka, 55305-1532
FAX: 612-544-9437
District Manager - Gregory Chock
District Conservation Specialist - David Thill
District Hydrogeologist - James Piegat
Hydrogeologist - Leigh Harrod
District Engineer - Ali Durgunoglu
District Limnologist - Carolyn Dindorf
Administrative Secretary - Theresa Stasica
Conservation Technician - Roel Ronken

HUBBARD COUNTY SWCD - 218-732-0121

1003 South Park, Park Rapids, 56470
FAX: 218-732-3994
District Manager - William Alden
District Secretary - Marilyn Berry
District Technician - Jeffrey Braaten

ISANTI SWCD - 612-689-3224

380 Garfield St. So., Cambridge, 55008
FAX: 612-689-5011
District Res. Conserv. - Mark DeMuth
District Admin. Assist. - Annette Swanson

ITASCA COUNTY SWCD - 218-326-6595

516 C Pokegama Avenue S., Grand Rapids, 55744
FAX: 218-326-8938
Water Plan Coord./Manager - Arthur Norton
Wetlands Technician/District Forester - Alan M. Waller
Limnologist - Rian Reed
Office Admin. - Joyce Rhodes

JACKSON SWCD - 507-662-6682

Route 2, Box 9, South Highway 86, Lakefield, 56150
FAX: 507-662-5001
District Technician - Brian Nyborg
District Secretary - Marlene McClain

KANABEC SWCD - 320-679-3982

214 N.W. Railroad Avenue, Mora, 55051
FAX: 320-679-4692
District Manager - Lynda Peterson
Office Manager/Technician - Jan Anderson

KANDIYOHI SWCD - 320-235-3906

409 - 19th Avenue S.W., Willmar, 56201
FAX: 320-235-0984
District Coordinator/Technician - Richard Reimer
District RIM Coordinator/Technician - Loren Engelby
District Office Coordinator/Secretary - Mary Oslund

KITTSOON SWCD - 218-843-2619

410 South 5th Street, P.O. Box 185, Hallock, 56728
FAX: 218-843-2619
District Manager - Kelly Bengtson
District Assistant Manager/Clerk - Joanne Quiner
District Technician - Jeff Tureson
District Water Plan Coordinator - Dan Money

KOOCHICHING SWCD - 218-283-8551

Koochiching County Courthouse, International Falls, 56649
FAX: 218-283-3376
Secretary/Treasurer - Pamela Tomevi
Forestry Technician - Thomas Toratti

LAC QUI PARLE SWCD - 320-598-7321

525 1st Street East, Madison, 56256
FAX: 320-598-3432
District Manager - Sonja Farmer
District Technician - Kurt Larsen/Curtis Nordaune
District Administrative Assistant - Terry Wittnebel

LAKE COUNTY SWCD - 218-834-6638

P.O. Box 14, 120 State Road, Two Harbors, 55616
FAX: 218-834-6639
District Conservation Specialist - Wayne Seidel
District Clerk - Ruth Gubrud
Water Plan Coord. - David Abazs

LAKE OF THE WOODS SWCD - 218-634-2757

PO Box 217, Baudette, 56623
FAX: 218-634-3067
District Manager - Joanne Kellner
Resource Spec. - Doug Easthouse

LE SUEUR COUNTY SWCD - 507-357-4879

145 East Minnesota Street, LeCenter, 56057
FAX: 507-357-6982
District Manager - Roger Ruhland
District Technician - Gene Krautkremer/Max Lande
District Program Specialist - Sue Skluzacek

LINCOLN SWCD - 507-694-1630

P.O. Box 32, Ivanhoe, 56142
FAX: 507-694-1850
District Manager - Pauline Moen
District Technicians - Ron Madsen / Dale Sterzinger
District Conservationist (NRCS) - Dennis Johnson
Education Coordinator - Terry Dybsetter

LYON SWCD - 507-537-0396

1424 E. College Dr., Suite #600, Marshall, 56258
FAX: 507-532-7479
District Administrative - Rose Anderson
District Technician - Merle Behrens
District Clerk - Evonne Nilges

MAHNOMEN SWCD - 218-935-2987

P.O. Box 381, Mahnom, 56557

FAX: 218-935-5257

District Water Plan Coord./Manager - Mark Aanenson

District Ed. Coord. - Cheryl L. Green

Env. Coord. - Tera Guetter

District Aide (Seasonal) - Elroy Neisen

MARSHALL COUNTY SWCD - 218-745-5010

P.O. Box 74, Warren, 56762

FAX: 218-745-6806

District Manager - Tim Finseth

District Technician - David Clark

District Administrative Secretary - Janelle Kollin

MARSHALL-BELTRAMI SWCD - 218-294-6144

Box 16, Grygla, 56727

FAX: 218-294-6182

District Manager - Cheryl Sistad

District Technician - Kathy Zavoral

MARTIN SWCD - 507-235-6680

923 North State Street, Suite 170, Fairmont, 56031

District Manager - Jerry Voyles

District Technician - Darren Newville

District Secretary - Kathy Peters

MC LEOD SWCD - 320-864-5176

2570 9th Street East, P.O. Box 160, Glencoe, 55336

FAX: 320-864-5176

Program Director - Ryan Freitag

District Administrative Secretary - Darlene Haag

MEEKER SWCD - 320-693-7287

62643 U.S. Highway 12, P.O. Box 891, Litchfield, 55355

FAX: 320-693-5823

District Technician - Charles Rick

District Secretary - Doris Christians

MILLE LACS SWCD - 320-983-2160

560 125th Avenue, S.W., P. O. Box 7, Milaca, 56353

FAX: 320-983-2635

District Manager - Charles Davis

District Program Assistant - Shirley Havisto

Water Plan Coordinator - Roger Berggren

Office Assist. - Joni Windhauser

MORRISON SWCD - 320-632-6606

Route 4, Ag Service Center, Little Falls, 56345

FAX: 320-632-3344

District Manager - Helen McLennan

District Technicians - Greg Cox / Alan Ringwelski

District Secretary - Kimberly Smock

MOWER COUNTY SWCD - 507-433-8268

101 21st Street S.E., Austin, 55912

FAX: 507-437-4755

District Manager - Bev Nordby

Engineering Technician/Feedlot Officer - Lowell Franzen

Feedlot Assist. - Dan Vermilyear

District Technician - Rick Morrison

Resource Specialist - John Voz

Administrative Assistant - Jeanne Crump

MURRAY SWCD - 507-836-6990

2558 Broadway Avenue, Suite #3, Ag Service Center, Slayton,

FAX: 507-836-6697

District Manager - Howard Konkol

District Technician - Craig Christensen

District Secretary - Betty Wilcoxon

NICOLLET SWCD - 507-931-6800

Courthouse Building, St. Peter, 56082

FAX: 507-931-9220

District Manager - Kevin Ostermann

District Secretary - Joyce Willson

NOBLES SWCD - 507-376-9150

1508 No. Douglas, P.O. Box 158, Worthington, 56187

FAX: 507-372-7751

District Manager - Dan Livdahl

District Admin. Assistant/Contracting Officer - Jane Steff

District Technician - Dale Oolman

District Conservationist (NRCS) - Steve Woltjer

Conservation Technician (NRCS) - Brad Harberts

Engineering Technician (NRCS) - Jamie Thomazin

NORMAN COUNTY SWCD - 218-584-5169

P.O. Box 60, Twin Valley, 56584

FAX: 218-584-5169

District Manager - Curtis Borchert

District Assistant Manager - Vicki Miller

District Technician - Mark Christianson

Conservation Sales - Kelly Engen, Curtis Allrich/Lori Thronson

OLMSTED SWCD - 507-280-2850

1485 Industrial Drive N.W., #102, Rochester, 55901

FAX: 507-280-2858

District Manager - Steve Connelly

District Technicians - Mary Weis, Floyd Whitaker

District Secretary - Dorothy Miller

District Watershed Coordinator - Shelly Struss

OTTER TAIL, EAST SWCD - 218-346-2050

655 Third Avenue, S.E., Perham, 56573

FAX: 218-346-4262

District Administrator - Jeff Norby

District Secretary - Chery Romann

OTTER TAIL, WEST SWCD - 218-739-5247

506 Western Avenue North, Fergus Falls, 56537

District Office Administrator - Kathy Truax

District Technician I - Brad Mergens

District Technician II - Paul Weyrens

PENNINGTON SWCD - 218-681-3348

201 Sherwood Avenue So., Thief River Falls, 56701

FAX: 218-681-4732

District Manager - Gary Lane

District Coordinator - Barb Molskness

District Secretary - Janet Heieren

PINE COUNTY SWCD - 320-384-7431

103 Fire Monument Road, Box 276, Hinckley, 55037

FAX: 320-384-6495

District Manager - Mary Ann Mills

District Water Plan/Wetlands Administrator - Richard Noyes

Administrative Assistant - Mary Summerland

District Technician - Samuel Martin

WD Program Mgr. - George Antoniow

PIPESTONE SWCD - 507-825-5881

119 2nd Avenue S.W., Suite 13, Pipestone, 56164

FAX: 507-825-2587

District Admin. - John Biren

District Assistant Admin. - Kyle Krier

District Clerk - Carol Pantekoek

District Secretary - Mavis Menning

POLK, EAST SWCD - 218-563-2777

P.O. Box 57, McIntosh, 56556

District Manager - Gary Lee

District Secretary - Ruth Mandt

District Technician - Vacant

POLK, WEST SWCD - 218-281-6070

528 Strander Avenue, Crookston, 56716
FAX: 218-281-6071
District Manager/Technician - Barbara Sahl
District Aide - Nicole Noe

POPE SWCD - 320-634-5326

24 First Avenue, Glenwood, 56334
FAX: 320-634-4278
District Technician - Kim Krueger
District Conservationist (NRCS) - Craig Bower
District Coordinator - Michele (Miki) Sanvig
District Tree Program/Farm Manager - Pete Gilbertson

RAMSEY SWCD - 612-488-1476

Dairy Center of Minnesota, 2015 Rice Street, Roseville, 55113
FAX: 612-488-3478
District Conservation Manager - Thomas P. Petersen
District Office Coordinator - Laura Kosciowski
District Groundwater Specialist - Peter DuBois

RED LAKE COUNTY SWCD - 218-253-2593

2602 Wheat Drive, Red Lake Falls, 56750
FAX: 218-253-4112
District Manager - Lori Olson
District Engineer - Wayne Weber
Water Plan Coordinator - Tanya Hanson

REDWOOD SWCD - 507-637-2427

1241 East Bridge Street, Redwood Falls, 56283
FAX: 507-637-8136
District Manager - Marilyn Bernhardson
District Technician - Jean Knakmuhs
District Engineering Technician - Eric Anderson
District Secretary - Sharon Voeks

RENVILLE COUNTY SWCD - 320-523-1559

1008 West Lincoln, Olivia, 56277
FAX: 320-523-1559
Office Manager - Karen Flom
District Technician - Donald (Jody) Bidingier
District Technician - Thomas Kalahar
P-T Program Aid - Gloria M. Gunderson
Engineering Technician - Joe Stangel

RICE SWCD - 507-332-5408

1400 Cannon Circle, Faribault, 55021
FAX: 507-334-7168
District Manager - Timothy Labs
District Technician - Willie Peters
District Secretary - Debbie Skarupa

ROCK SWCD - 507-283-9146

311 W. Gabrielson, Luverne, 56156
FAX: 507-283-2724
District Director - John Burgers
District Assist. Director - Doug Bos
District Technician - Donald L. Briggs
District Secretary - Denise Severtson
District Staff Assist - Jan Wange

ROOT RIVER SWCD - 507-724-5261

603 No. Sprague, # 1, Ag Service Center, Caledonia, 55921
FAX: 507-724-5448
District Manager - Ralph Tuck
District Soil Conservationist - Ron Meiners
District Technicians - Rich Stemper
District Secretary - Joann Olson
District Technician Trainee - Jean Meiners

ROSEAU SWCD - 218-463-1903

102 2nd Street S.E., Roseau, 56751
FAX: 218-463-2983
District Manager - Scott Johnson
Program Coord. - Rob Sando/ District Clerk - Stacy Rhen

ST. LOUIS, NORTH SWCD - 218-741-3230

230 1st St. So., Suite 104, Virginia, 55792-2669
Resource Conservationist - Mark Lindhorst
Office Administrator - Connie Solveson

ST. LOUIS, SOUTH SWCD - 218-723-4867

4850 Miller Trunk Hwy, Ste 2B, Duluth, 55811-1520
FAX: 218-720-3129
District Manager - Richard D. Harms
District Administrative Assistant - Linda Martinson
District Engineering Technician - Ronald Hansen
District Conservation Technician - Robin Payne

SCOTT SWCD - 612-492-2636

107 Water Street, Jordan, 55352
FAX: 612-492-3885
District Manager - Peter J. Beckius
District Technician - Douglas Schoenecker
District Admin. Clerk - Jody Worm
District Clerk - Marge Duffy
District Assistant Clerk - Chris Holzer
Soil Conservationist - Peter R. Fryer

SHERBURNE SWCD - 612-241-1170

14855 Highway 10, Elk River, 55330
FAX: 612-241-1161
District Manager - Wendy Beliveau
District Technician - William Bronder
District Clerk - Judy Shermak
Water Resources Specialist - Mark Basiletti

SIBLEY SWCD - 507-237-5435

111 6th Street, Box 161, Gaylord, 55334
FAX: 507-237-5435
District Manager - Loren Evenson
District Technician - Kevin Pioske

STEARNS COUNTY SWCD - 320-251-6718

110 Second Street South, Suite 128, Waite Park, 56387
FAX: 320-251-9171
District Executive Director - Dennis Fuchs
District Soil Conservationist - Brad Wenz, Russell Richner
District Engineering Technician - Dale Walz
District Conservation Technicians - Joan Huckle, Vince Manderfeld, Linus Meyer
District Administrative Assistant - Lori Persson
District Secretary - Darlene Rafteseth

STEELE COUNTY SWCD - 507-451-6730

235 Cedardale Drive, SE, Owatonna, 55060-4417
FAX: 507-451-1580
District Manager - Dan I. Arndt
District Soil Scientist - Carroll R. Carlson
District Secretary/Clerk - Sue L. Condon
District Technician - Eric A. Gulbransen

STEVENS SWCD - 320-589-2266

Route 3, Box 10, Ag Service Center, Morris, 56267
FAX: 320-589-3255
District Administrator - Dave Jungst
District Technician - Andrew Gomer
District Office Manager - Judy Johnston

SWIFT COUNTY SWCD - 320-843-2458

1430 Utah Avenue No., Benson, 56215
FAX: 320-843-4168
District Technician - Thomas Orr
District Secretary - Barbara Razink

TODD SWCD - 320-732-2644

720 Commerce Road So., Long Prairie, 56347
FAX: 320-732-2746
District Manager - Sandy Rohr
District Technicians - Greg Ostrowski, Meryl Wegner
District Water Plan Coord./WCA Administrator - Kitty Tepley

TRAVERSE SWCD - 320-563-8218

1700 Third Avenue South, Room 205, Wheaton, 56296
FAX: 320-563-8042
District Manager - Eugene R. Giese
District Technician - Donald E. Otto
District Clerk - Sharon A. Johnson

WABASHA SWCD - 612-565-2646

611 Broadway Avenue, Suite 10, Wabasha, 55981
FAX: 612-565-4673
District Manager - Marlene Schmidt
District Technician - Donald Sylvester
District Water Quality Coord.
Conservation Planner Tech. II - Darrin Thompson
District Secretary - Linda Hoff

WADENA SWCD - 218-631-3195

4 Alfred Street, NE, Wadena, 56482
FAX: 218-631-1625
District Manager - Malinda Dexter
District Technician - Jim Pratt
District Water Plan Technician - Don Sirucek

WASECA SWCD - 507-835-7144

212 15th Avenue N.E., Box 5, Waseca, 56093
FAX: 507-835-7895
District Program Coord./Tech./Sec. - Marla Watje
District Technician - Todd Norton / Darrin Thompson
Office Assistant - Darlene Kukuczka

WASHINGTON SWCD - 612-439-6824

1825 Curve Crest Blvd., Room 101, Stillwater, 55082
FAX: 612-430-6823
District Manager - Konrad Koosmann
District Water Resource Specialist - Mark Doneux
District Engineering Technician - Jeff Berg
District Conservation Technician - Wendy Griffin
District Secretary - Janet Arndt
District Wetland Tech. - Jyneed Thatcher
Conservationist - Julie MacSwain

WATONWAN SWCD - 507-375-3104

705 Weston Avenue, St. James, 56081
FAX: 507-375-3193
District Manager - Neal Feeken
Office Manager - Carole Krueger
Project/Secretarial Asst. - LaVonne Cunningham
Secretarial Assistant - Dorothy Raney

WILKIN SWCD - 218-643-3051

1150 Highway 75 North, Breckenridge, 56520
FAX: 218-643-3663
District Manager - Don Bajumpaa
District Clerk - Diane Lommel

WINONA COUNTY SWCD - 507-523-2171

P.O. Box 39, Lewiston, 55952
FAX: 507-523-3717
District Manager - James Stewart
District Conservation Technician - Daryl Buck
District Secretary - Lauraine Heiden

WRIGHT SWCD - 612-682-1970

306C Brighton Avenue, Buffalo, 55313
FAX: 612-682-2903
District Office Manager - Kerry Saxton
District Resource Conservationist - Mark McNamara
District Secretary - Sandra Hessedal
Engineering Technician - Gregory Bengtson
Conservation Aide - Bradley Wozney

YELLOW MEDICINE SWCD - 320-669-4442

P.O. Box 545, 1000 10th Avenue, Clarkfield, 56223
FAX: 320-669-7525
District Technicians - Donovan Hovland, Arden Lynne
District Manager - Lou Ann Nagel
District Secretary - Nancy Dyrdaahl
Education Coordinator - Kathi Gill

**WATERSHED DISTRICTS
MINN. STAT. CHAPTER 103D**

BEAR VALLEY WD - 612-923-4937

25409 County 16 Blvd., Goodhue, 55027-8602

BELLE CREEK WD - 612-258-4115

Route 1, Box 158, Goodhue, 55027

BOIS DE SIOUX WD - 320-563-4185

1002 Broadway, Wheaton, 56296

Fax 320-563-4987

District Administrator - Jon Roeschlein

Assistant - Monica Wilson

BUFFALO CREEK WD - 320-864-6250

Box 55, Glencoe, 55336

BUFFALO-RED RIVER WD - 218-354-7710

123 Front Street, P.O. Box 341, Barnesville, 56514

FAX: 218-354-2503

District Administrator - Bruce E. Albright, District Office

CARNELIAN-MARINE WD - 612-439-6422

14671 Square Lake Trail N., Stillwater, 55082

CLEARWATER RIVER WD - 320-274-3935

P.O. Box 481, Annandale, 55302

FAX: 320-274-2089

Asst. Sec. - Bev Brouillard, Paperwork Plus, 980 Elm

Street East, P.O. Box 470, Annandale, 55302;

320-274-3935

COON CREEK WD - 612-724-5261

12301 Central Ave. N.E., Suite 180, Blaine, 55434

District Administrator - Tim Kelly, District Office;

612-755-0975

Water Resources Spec. - Mark Jacobson

Administrative Asst. - Karen Potter, District Office;

612-755-0975

CORMORANT LAKES WD - 218-532-2723

Route 2, Box 217, Pelican Rapids, 56572

Office Administrator - Duane Henrikson, Route 1, Box

172, Audubon, 56511; 218-439-3687

CROOKED CREEK WD - 507-724-5261

603 N. Sprague, Caledonia, 55921

HIGH ISLAND WD - 507-328-5908

RR 2, Box 144, Arlington, 55307

JOE RIVER WD - 218-379-3205

Box 27, Humboldt, 56731

LAC QUI PARLE-YELLOW BANK WD - 320-598-3132

Courthouse, Madison, 56256

FAX: 320-598-3125

District Administrator - Darrel Ellefson; 320-598-3117

LOWER MINNESOTA RIVER WD - 612-445-7993

327 Marshall Road, Suite #200, Shakopee, 55379

FAX: 612-445-2106

District Administrator/Engineer - Larry Samstad

MIDDLE RIVER-SNAKE RIVER WD - 218-745-4741

453 N. McKinley Street, P.O. Box 154, Warren, 56762

FAX: 218-745-5300

District Administrator

Secretary - Connie J. Kujawa

MINNEHAHA CREEK WD - 612-471-0590

Gray Freshwater Center, 2500 Shadywood Road,

Excelsior, 55331

FAX: 612-471-0682

District Administrator - Diane Lynch

Asst. District Administrator - Suzanne Weedman

Administrative Assistant - Marlene Callaghan

District Technician - James Hafner

55343-0507

NINE MILE CREEK WD - 612-337-9574

c/o Krebsbach & Haik, Ltd., 701 4th Ave. S., Ste. 500,

Minneapolis, 55415-1631

FAX: 612-333-6959

NORTH FORK CROW RIVER WD - 320-346-2869

PO Box 40, 100 Prairie Ave. No., Brooten, 56316

District Administrator - Allan Kuseske, Rt. 1, Box 171, Villard,

56385

District Technician - Tim Chimelewski, 225 North Benton Drive,

2 - D - 1, Sauk Rapids, 56379

District Secretary - Carol Unzen

PELICAN RIVER WD - 218-847-9089

P.O. Box 1043, Detroit Lakes, 56502-1043

FAX: 218-846-7404

District Administrator - Richard D. Hecock

e-mail: rdhprwd@tekstar.com

Secretary - Joanne Thompson

PRIOR LAKE-SPRING LAKE WD - 612-447-4166

16670 Franklin Trail, S.E., Suite #110, Prior Lake, 55372

FAX: 612-447-4167

District Administrator - Kelly Dorzinski

Engineer Tech. - Carl Almer

RAMSEY-WASHINGTON METRO WD - 612-777-3665

1902 County Road B, Maplewood, 55109

FAX: 612-777-6307

District Administrator - Clifton Aichinger

District Technician - Patrick Conrad, Rob Langer

District Secretary - Arlean Kolby

RED LAKE WD - 218-681-5800

102 North Main, P.O. Box 803, Thief River Falls, 56701

FAX: 218-681-5839

District Administrator - Lowell C. Enerson

Accounting/Secretary/Tech. II - Arlene Novak

Office Secretary/Accounting Asst. - Tammy Audette

Office Secretary/Receptionist - Sandy Radniecki

Water Quality Coordinator - Maggie Leach

RICE CREEK WD - 612-483-0634

3585 N. Lexington Ave., Ste. 330, St. Paul, 55126-8056

FAX: 612-483-9186

District Administrator - Kate Drewry

District Inspector/Technician - Tony Brough

Administrative Assistant - Bonita Torpe

RILEY-PURGATORY-BLUFF CREEK WD - 612-337-9874

c/o Krebsbach & Haik, Ltd., 701-4th Ave. S.,

Mpls., 55415-1631

FAX: 612-333-6959

ROSEAU RIVER WD - 218-463-2658

Box 26, Roseau, 56751 - roscoe4@roseau.mean.net

FAX: 218-463-1175

Office Secretary - Kathy Ross

SAND HILL RIVER WD - 218-945-3204

P.O. Box 584, Fertile, 56540

Executive Secretary - Wayne Goeken, RR 3, Box 75A, Erskine,
56535; 218-574-2622

Administrative Assistant - Naomi Jagol, 104 Stephen Dr., NE,
Fertile, 56540; 218-945-6027

SAUK RIVER WD - 320-352-2231

524 South 4th Street, Sauk Centre, 56378

FAX: 320-352-6455

District Administrator - Bob Mostad, 524 South 4th Street, Sauk
Centre; 320-352-3272, Work - 320-352-2231

Administrative Asst. - Barb Frieler

Secretarial Assistant - Starla Arceneau

SOUTH TWO RIVER WD - 320-845-4050

Box 595, 741 Lake Ave., Albany, 56307-0595;

FAX: 320-356-9015

E-Mail jimwy@earthlink.net

Executive Director/Secretary - James Wynnemer, 18157

County Road 154, Avon, 56310; 320-845-4114

Planning Consultant - Dr. Robert Bixby, Ph.D., A.I.C.P. 2012

7th Avenue, St. Cloud, 56301; 320-253-9654

SOUTH WASHINGTON WD - 612-739-5972

8301 Valley Creek Road, Woodbury, 55125-3330

FAX: 612-731-5791

District Technial Administrator - Brett Emmons; Emmons

Resources; P.O. Box 84, Lake Elmo, 55042; 770-8448

Clerical Assistant - Amy Hennessey

STOCKTON-ROLLINGSTONE-MINNESOTA CITY WD 507-523-2371

Route 2, Box 44, Lewiston, 55952

TWO RIVERS WD - 218-843-3333

410 South 5th Street, Hallock, 56728

FAX: 218-843-2020

Executive Secretary - Dan Money

UPPER MINNESOTA RIVER WD - 320-839-3411

342 NW 2nd Street, Ortonville, 56278

FAX: 320-839-3313

Administrator - Dianne Radermacher

Secretary - Mary Hagen

VALLEY BRANCH WD - 612-738-6342

P.O. Box 838, Lake Elmo, 55042

Recording Secretary - Karen Schultz-612-777-6190

WARROAD WD - 218-386-1410

RR 3, Box 364, Warroad, 56763

WILD RICE WD - 218-784-4085

11 E. 5th Ave., Ada, 56510 - jabwrwd@ada.polaristel.net

FAX: 218-784-4085

District Administrator - Jerry Bennett

Accountant - Douglas Marcussen, Marcussen Account Service,
P.O. Box 113, Ada, 56510

District Secretary - Loretta Johnson

YELLOW MEDICINE RIVER WD - 507-872-6720

Box 267, Minneota, 56264

h:flood.wd(6-6-97)

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Elbow Lake, MN 56531-4300
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June 23, 1997

Dwain Otte, Chair
BWSR Cost Share Committee
Board of Water and Soil Resources
One West Water Street
St. Paul, MN 55107

Dear Dwain,

The following individuals have agreed to serve on the BWSR/MASWCD
Fiscal 1999 General Services Allocation committee.

Owen Knutson, Goodhue SWCD
Carl Annalora, East Ottertail SWCD
Scott Hoese, Carver SWCD
Helen McLennan, Morrison SWCD
LeAnn Buck, MASWCD

Advisor:

D'Wayne De Ziel MASWCD

Sincerely,


Vern Wilker
President

cc: Kathleen Rohr, Chair
BWSR Board of Directors
MASWCD Board of Directors
Ron Harnack, Executive Director



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June 23, 1997

Dwain Otte
Board of Water and Soil Resources
One West Water Street
St. Paul, MN 55107

Dear Dwain,

On June 16, 1997 the MASWCD Board of Directors revisited the subject of General Services Allocations and the action taken by the BWSR Cost Share Committee.

While fully recognizing that the BWSR committee recommendation of \$16,000 is an equal division to each district, the MASWCD directors would like BWSR to re-considered an equal allocation of the total fiscal 1998 general services appropriation.

This letter is a formal request that the BWSR Cost Share Committee submit to the BWSR board on June 25 a recommendation for equal allocation of the 1998 general service appropriation of \$1,532,000. This is an allocation of 16,835 per district.

Sincerely,


D'Wayne De Ziel
Executive Director

cc: BWSR Board of Directors
MASWCD Board of Directors
Kathleen Rohr, Chair
Vern Wilker, President
Ron Harnack, Executive Director

RESTORING THE REDWOOD RIVER

Examples of Involvement by Local Citizens



Redwood River

Clean Water Project

This booklet recognizes the participation of watershed residents from 1995 to 1996. People from across the watershed working within their small area to improve the whole watershed.

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Norwegian Creek Sub-Watershed	38
Tyler Creek Sub-Watershed	47

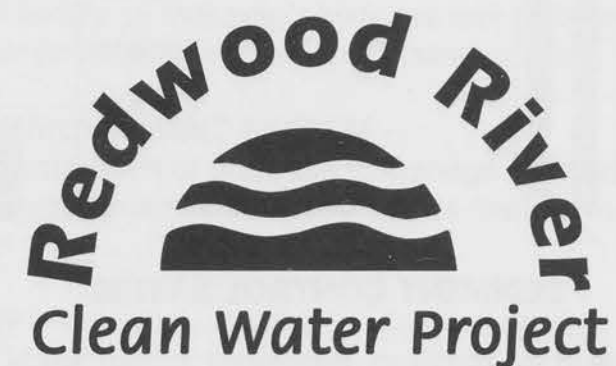
Compiled by Redwood-Cottonwood Rivers Control Area
1241 E. Bridge St.
Redwood Falls, MN 56087
507-637-2142
507-637-2134 FAX
E-mail: rcrca@rconnect.com

Funding for this booklet is made possible by a grant from the Northwest Area Foundation. Spring 1997

THE REDWOOD RIVER CLEAN WATER PROJECT

The Redwood River Clean Water Project, a six-year program to restore the Redwood River and Lake Redwood, was officially launched in 1995. Project goals are to reduce sediment and nutrient loadings, expand game fishery habitat and fishing opportunities, reduce peak flows and improve flow stability, and increase awareness of water quality issues throughout the watershed.

The Redwood River Clean Water Project uses one-on-one landowner contacts and an extensive education and information program to encourage implementation of best management practices (BMPs) on agricultural land. Landowners who voluntarily choose to implement BMPs receive technical assistance and up to 75% cost-share on conservation practices. The Project monitors the effect BMPs have on water quality through a comprehensive monitoring and evaluation program.



✓ TECHNICAL ASSISTANCE

- Surveying and designing of best management practices
- Cost-share and/or incentive payments to farmers who implement best management practices
- Personal contact with individual landowners
- Development of broad-based water-quality plans

✓ MONITORING AND EVALUATION

- Track best management practices in the watershed and the impact on water quality
- Survey tillage practices to determine the amount of erosion
- Ongoing water quality sampling that allows "before and after" comparisons
- Fisheries survey to provide indication of water quality improvements

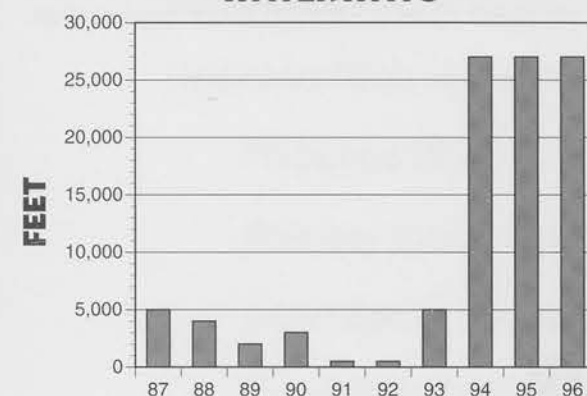
BEST MANAGEMENT PRACTICES

Also known as BMPs, these techniques and practices effectively and economically control some types of agriculture, construction and urban related pollution. BMPs are land use practices that reduce soil erosion and prevent polluted runoff from reaching nearby water bodies. They are not a magic solution; however, when used in combination with one another these practices have been proven effective at achieving their intended objectives. Examples include conservation tillage, waterways, terraces, field wind breaks and waste management systems.

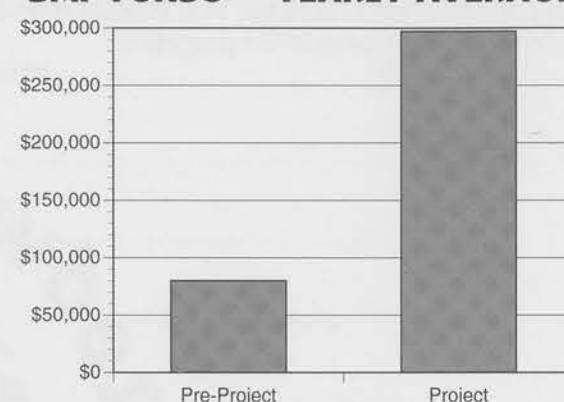
Farmers benefit because BMPs help protect the resource base, and in many instances conservation practices increase profits by decreasing production costs.



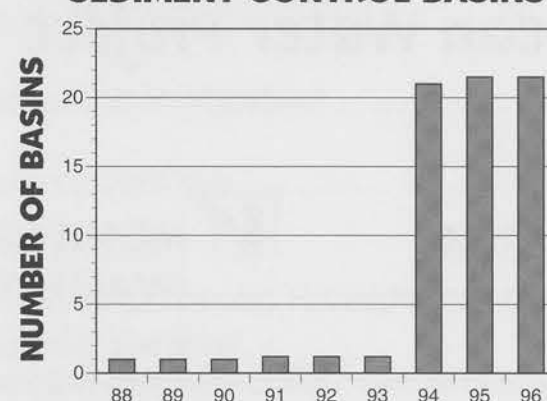
WATERWAYS



BMP FUNDS — YEARLY AVERAGE



SEDIMENT CONTROL BASINS



BEST MANAGEMENT PRACTICE SUMMARY — 1994 TO PRESENT

• TOTAL NUMBER OF BMPs (including WQIP)	272
• NUMBER OF COMPLETED BMPs	58
• TOTAL NUMBER OF FARMERS PARTICIPATING	111
• COST OF COMPLETED PROJECTS	\$214,223.00
• TOTAL COST ENCUMBERED	\$537,000.00
• SOIL LOSS REDUCTION	28,313 tons/year
• SURFACE WATER POLLUTION REDUCTION	5,663 tons/year

GLOSSARY OF TERMS

GRASSED WATERWAY -

A natural or designed drainageway planted with a suitable vegetation to prevent soil erosion.

SEDIMENT CONTROL BASIN -

An earthen embankment built across a minor watercourse to form a sediment trap and detention basin. Underground outlets are used to move surface water to a suitable outlet in a nonerosive manner. Basins are designed to hold water for 48 hours or less so crops are not damaged.

CONSERVATION TILLAGE -

Minimal tillage that retains protective amounts of residue mulch on the surface throughout the growing season.

NUTRIENT MANAGEMENT -

Careful management of soil fertility so that crop needs are met while minimizing losses to surface or ground water. This system limits fertilizer loss and maximizes profits.

AGRICULTURAL WASTE MANAGEMENT SYSTEM -

A planned system using a combination of practices to manage liquid and solid waste in a manner that does not degrade air, soil or water resources. It also credits manure nutrients which reduces the amount of fertilizer needed.

BUFFER OR FILTER STRIP -

An area of land maintained in permanent vegetation, designed to intercept pollutants transported by surface water runoff and wind.

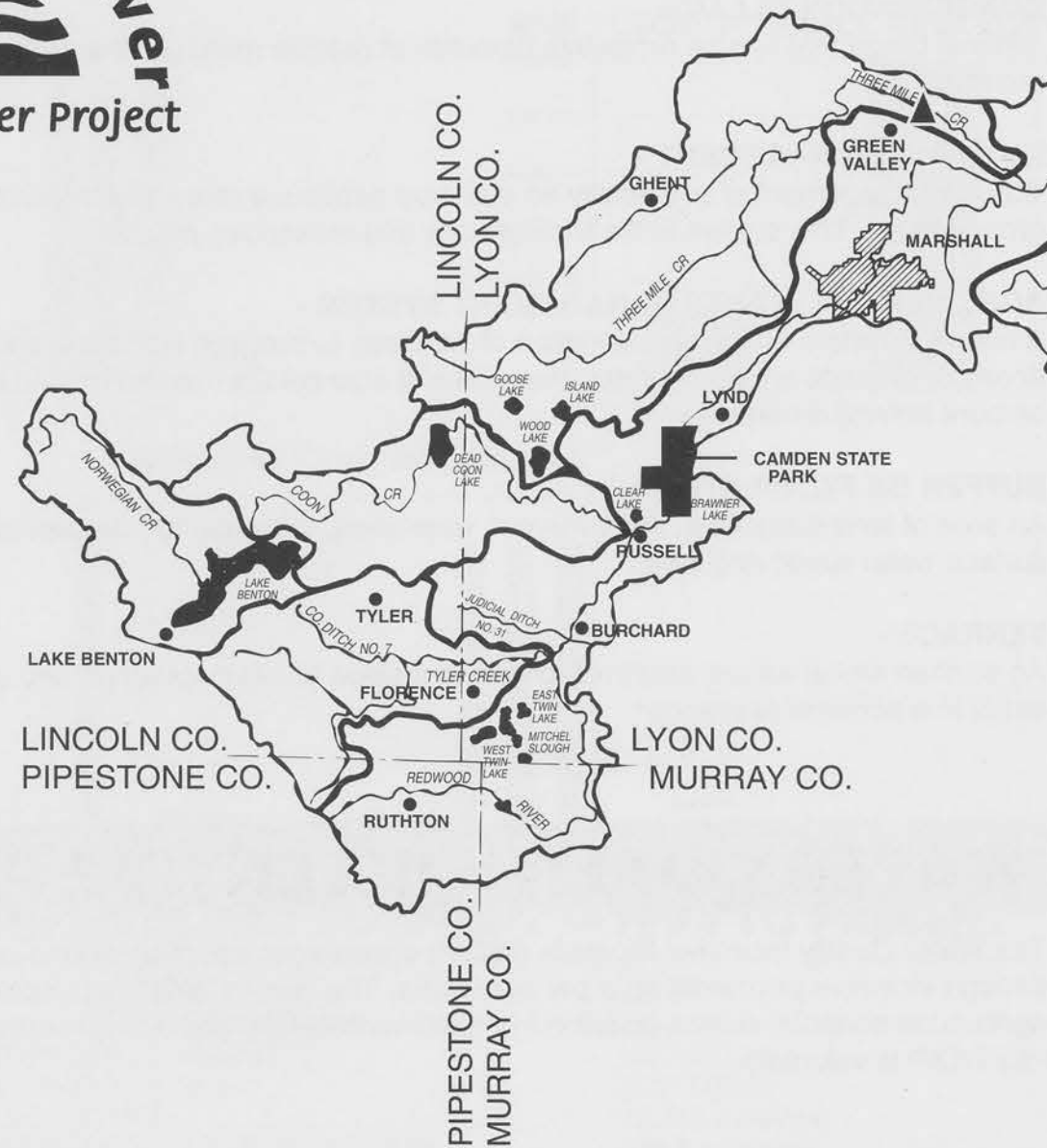
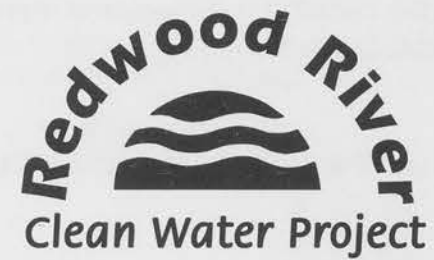
TERRACE -

An earthen embankment constructed across a slope to intercept runoff and direct it to an adequate outlet in a nonerosive manner.

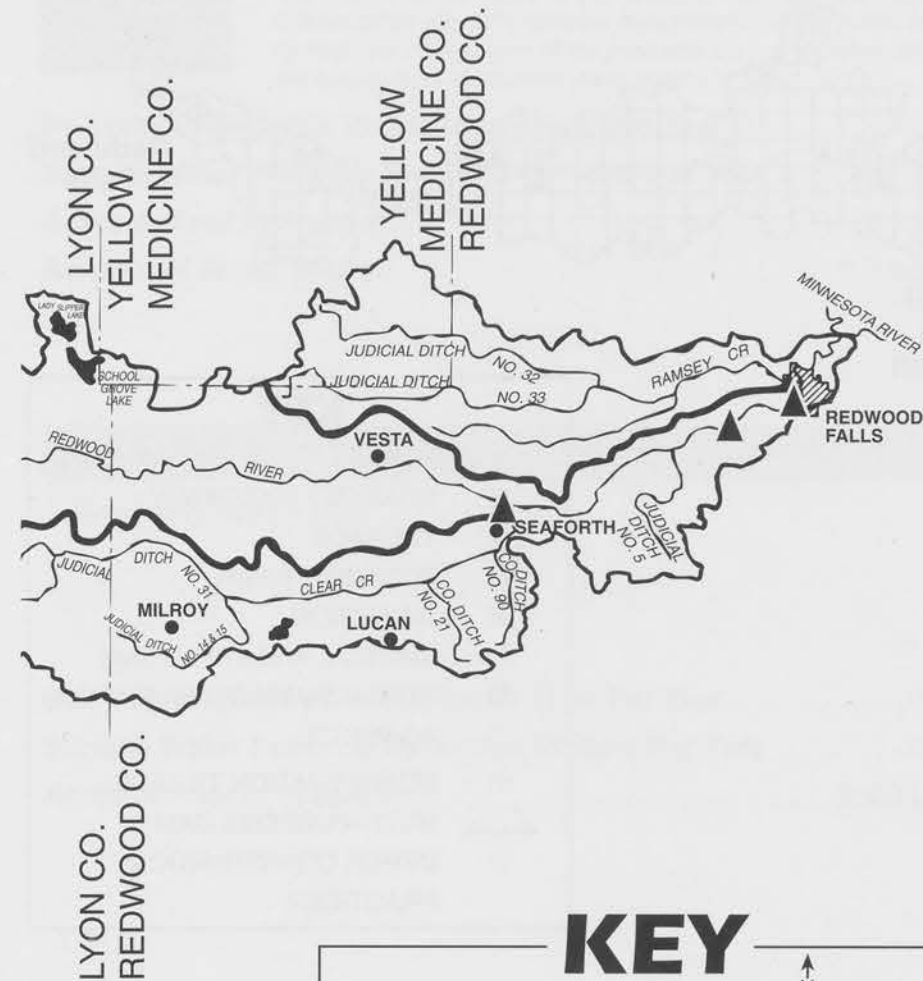
WATER QUALITY INCENTIVE PROGRAM

The Water Quality Incentive Program (WQIP) encourages adoption of land use management practices through incentive payments on a per acre basis. The goal of WQIP is to achieve the reduction of agricultural nonpoint source pollution in an environmentally and economically sound manner. Enrollment into WQIP is voluntary.

REDWOOD RIVER WATERSHED

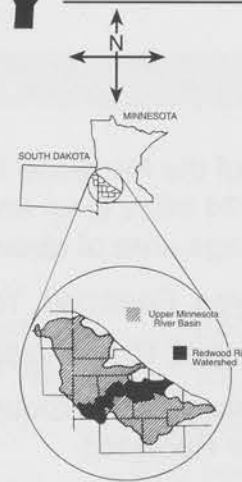


AND SUB-WATERSHEDS

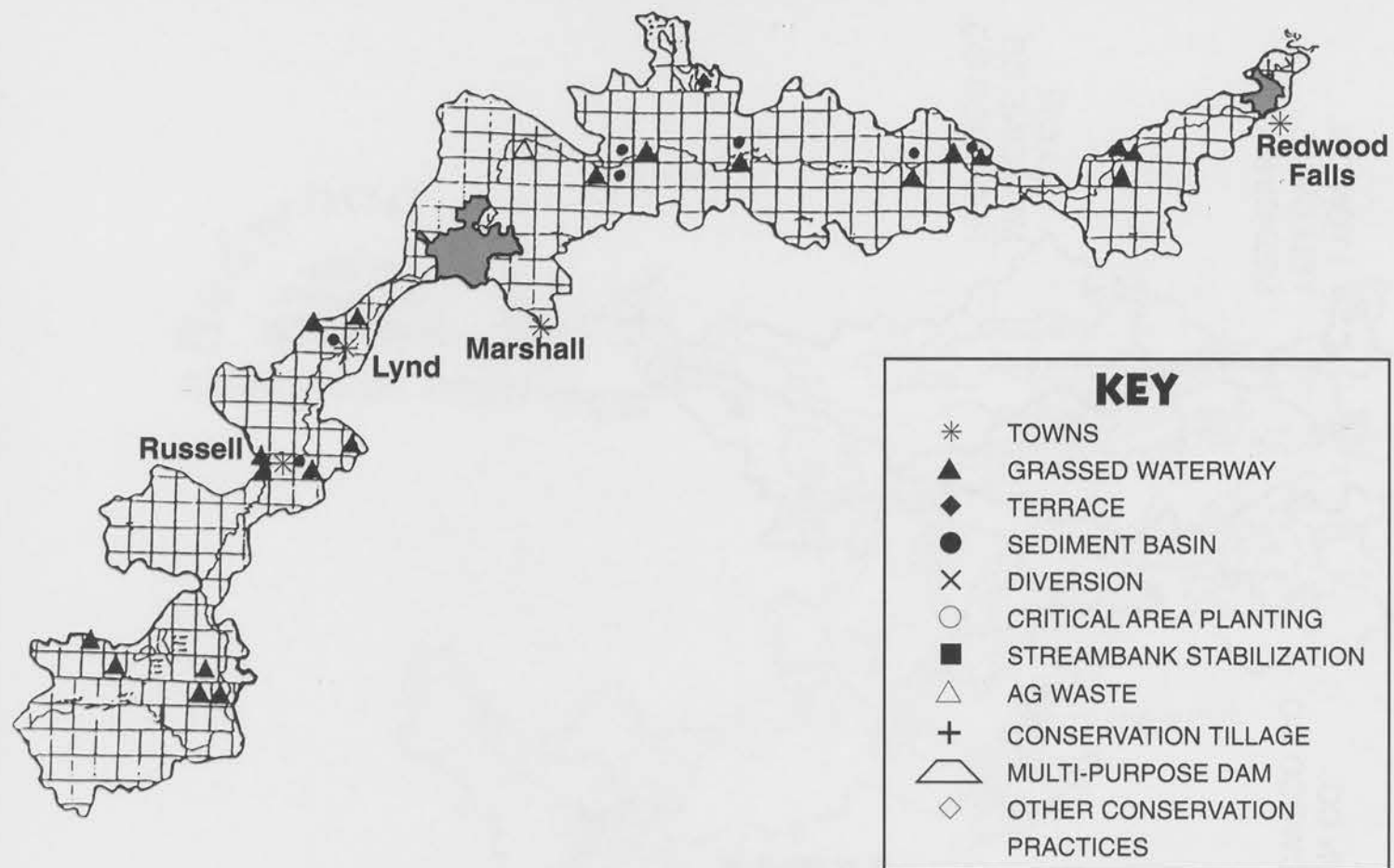


KEY

- Towns
- ▲ Sampling Station



REDWOOD RIVER CORRIDOR



Redwood River Corridor runs the length of the Redwood River and includes land adjacent to the Redwood River. The Redwood River is 124 miles long, and slopes an average of 8.4 feet per mile. The Redwood River Corridor has a drainage area of about 295 square miles.

Counties: Pipestone, Murray, Lincoln, Lyon, Redwood, Yellow Medicine

Towns: Ruthton, Burchard, Lynd, Marshall, Green Valley, Vesta, Redwood Falls

Lakes: West Twin Lake, East Twin Lake, Mitchel Slough, Clear Lake, Brawner Lake, School Grove Lake, Lady Slipper Lake, Lake Redwood

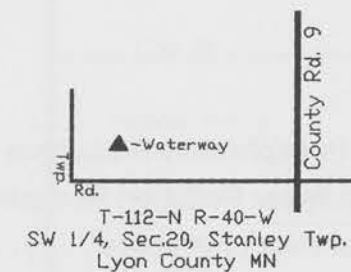


TOM ALLEX

1 Grassed Waterway

"Farm water runoff is one of our most important political issues. Conservation efforts by farmers demonstrates to the public that farmers are more aware of the problems than ever before and are taking steps to improve water quality."

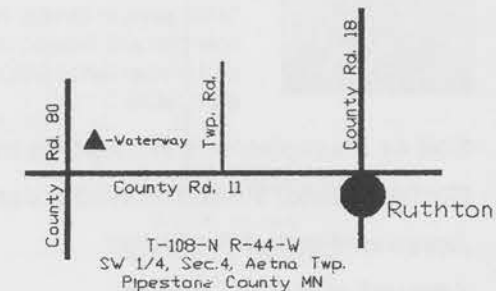
Soil or Phosphorous Reduction In Tons Per Year	26
Surface Water Pollution Reduction In Tons Per Year	5.2
Acres or Feet of Practice	300 feet
Amount of Acres Treated	0.3 acres



MARION BAARTMAN

1 Grassed Waterway

Soil or Phosphorous Reduction In Tons Per Year	391
Surface Water Pollution Reduction In Tons Per Year	78.2
Acres or Feet of Practice	2300 feet



GREG BOERBOOM

2 Sediment Control Basins
2 Grassed Waterways

Soil or Phosphorous Reduction In Tons Per Year	278.9
Surface Water Pollution Reduction In Tons Per Year	55.78
Acres or Feet of Practice	1300 feet
Amount of Acres Treated	31.5 acres



JEROME BOUSHEK

1 Grassed Waterway

Soil or Phosphorous Reduction In Tons Per Year 30.7
 Surface Water Pollution Reduction In Tons Per Year 6.14
 Acres or Feet of Practice 1000 feet
 Amount of Acres Treated 1.2 acres

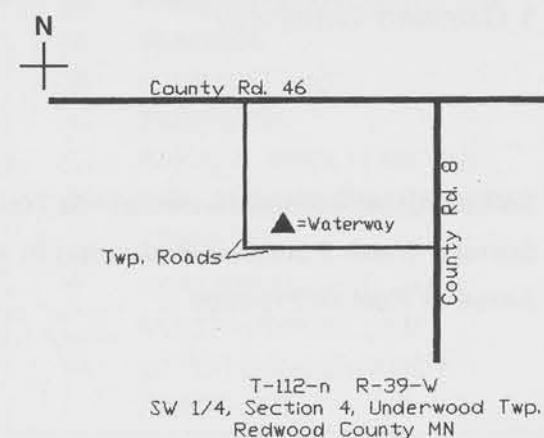


GERRY BUSIAHN

1 Grassed Waterway

"After several terribly heavy rains in the early '90s, I realized just how bad soil erosion could become. I feel with grass waterways and conservation tillage we can keep the erosion level acceptable."

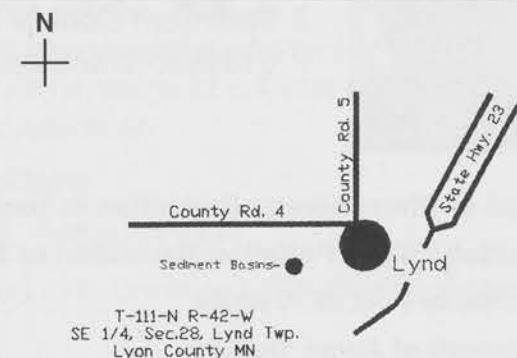
Soil or Phosphorous Reduction In Tons Per Year 25.7
 Surface Water Pollution Reduction In Tons Per Year 5.14
 Acres or Feet of Practice 800 feet
 Amount of Acres Treated 1.1 acres



JAMES DALE

2 Sediment Control Basins

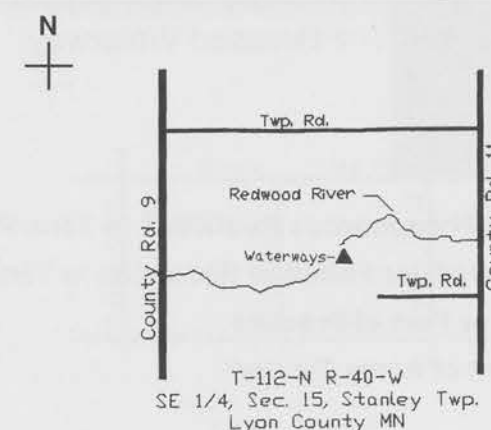
Soil or Phosphorous Reduction In Tons Per Year 54
 Surface Water Pollution Reduction In Tons Per Year 10.8
 Acres or Feet of Practice5 acres
 Amount of Acres Treated 1.9 acres



VIOLET DOOM

3 Grassed Waterways

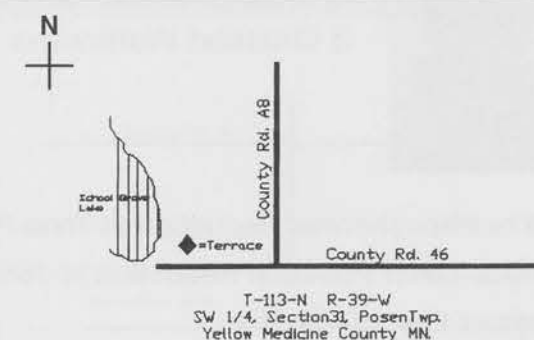
Soil or Phosphorous Reduction In Tons Per Year 300
 Surface Water Pollution Reduction In Tons Per Year 60
 Acres or Feet of Practice 2000 feet
 Amount of Acres Treated 1.9 acres



PAUL FENGER

1 Terrace

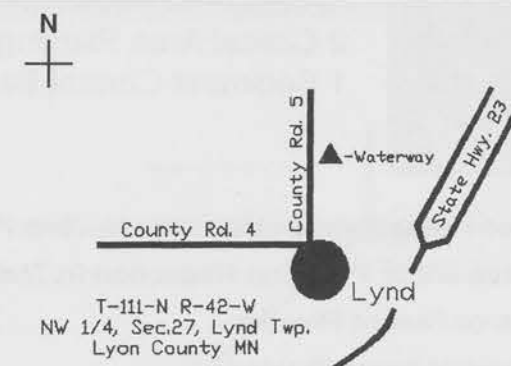
Soil or Phosphorous Reduction In Tons Per Year 12.2
 Surface Water Pollution Reduction In Tons Per Year 2.44
 Amount of Acres Treated 4.25 acres



JAMES GIRARD

1 Grassed Waterway

Soil or Phosphorous Reduction In Tons Per Year 49
 Surface Water Pollution Reduction In Tons Per Year 9.8
 Acres or Feet of Practice 400 feet
 Amount of Acres Treated 0.4 acres

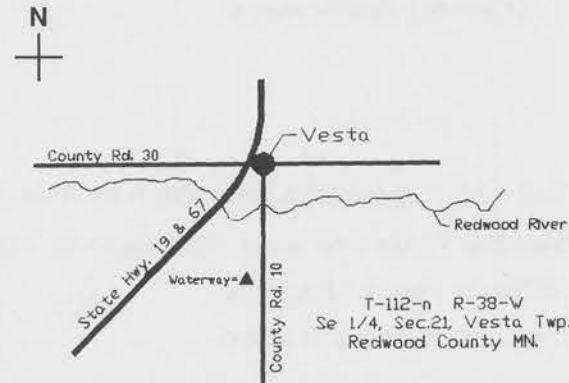




DON GOBLISH

1 Grassed Waterway

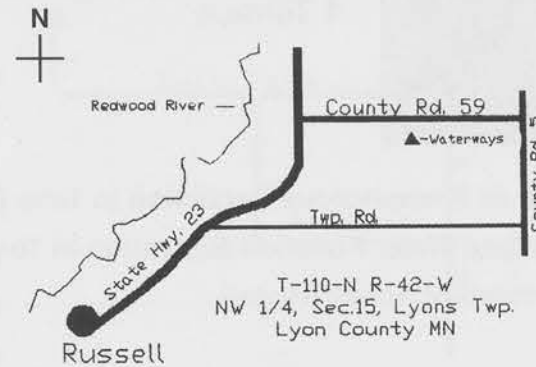
Soil or Phosphorous Reduction In Tons Per Year 39.4
 Surface Water Pollution Reduction In Tons Per Year 7.88
 Acres or Feet of Practice 700 feet, .8 acres
 Amount of Acres Treated 0.8 acres



GREG GOODMUND

3 Grassed Waterways

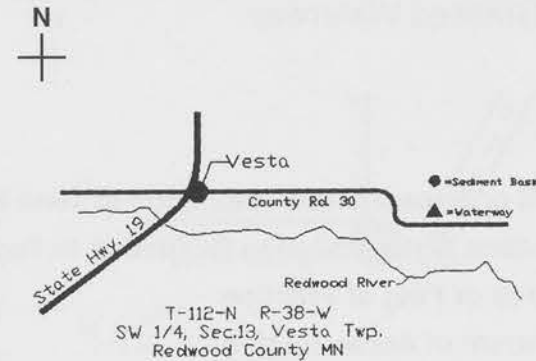
Soil or Phosphorous Reduction In Tons Per Year 495.7
 Surface Water Pollution Reduction In Tons Per Year 99.14
 Acres or Feet of Practice 3855 feet, 3.5 acres
 Amount of Acres Treated 3.5 acres



MURL KLETSCHER

2 Critical Area Plantings
1 Sediment Control Basin

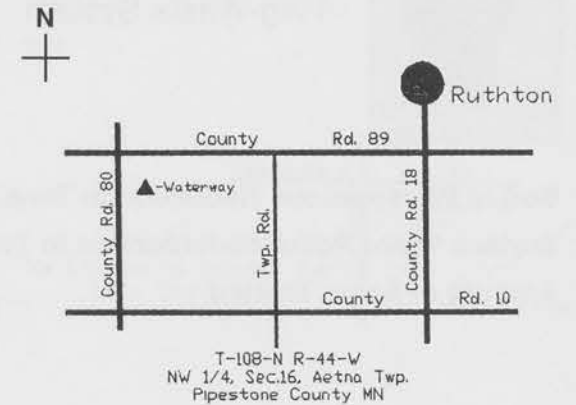
Soil or Phosphorous Reduction In Tons Per Year 32.5
 Surface Water Pollution Reduction In Tons Per Year 6.5
 Acres or Feet of Practice 400 feet, .45 acres
 Amount of Acres Treated 10.45 acres



LARRY KOENIG

1 Grassed Waterway

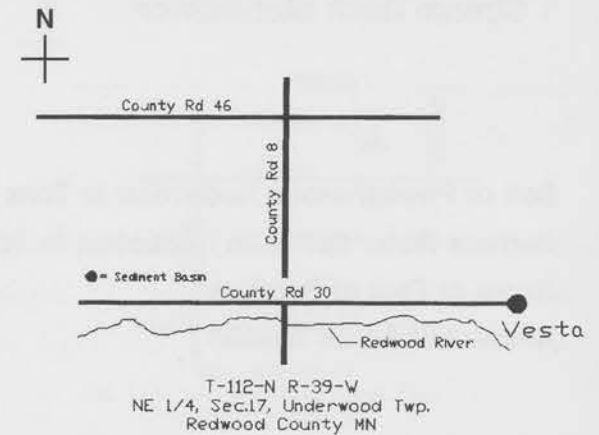
Soil or Phosphorous Reduction In Tons Per Year 202
 Surface Water Pollution Reduction In Tons Per Year 40.4
 Acres or Feet of Practice 4.4 acres



WARREN KOLANDER

1 Sediment Control Basin

Soil or Phosphorous Reduction In Tons Per Year 39.3
 Surface Water Pollution Reduction In Tons Per Year 7.86
 Acres or Feet of Practice 700 feet
 Amount of Acres Treated 10 acres



Eileen Thorston and Doris Zorn.

NETTIE KOTVAL HEIRS

1 Sediment Control Basin

Soil or Phosphorous Reduction In Tons Per Year 29
 Surface Water Pollution Reduction In Tons Per Year 5.8
 Acres or Feet of Practice 400 feet
 Amount of Acres Treated 38 acres

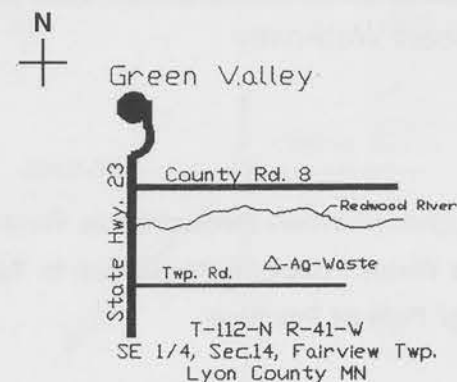




ALLAN/ALICE LOUWAGIE

1 Ag-Waste System

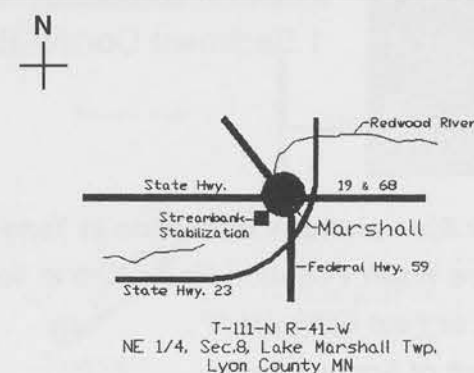
Soil or Phosphorous Reduction In Tons Per Year	5.28
Surface Water Pollution Reduction In Tons Per Year	1.056
Amount of Acres Treated	1.0 acres



P.S. MARSHALL

1 Stream Bank Stabilization

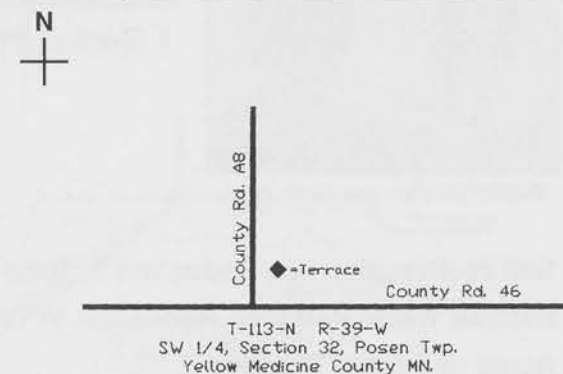
Soil or Phosphorous Reduction In Tons Per Year	98.2
Surface Water Pollution Reduction In Tons Per Year	98.2
Acres or Feet of Practice	300 feet
Amount of Acres Treated	0.2 acres



JAMES MATTHYS

1 Terrace

Soil or Phosphorous Reduction In Tons Per Year	65
Surface Water Pollution Reduction In Tons Per Year	13
Acres or Feet of Practice	2900 feet
Amount of Acres Treated	37.5 acres



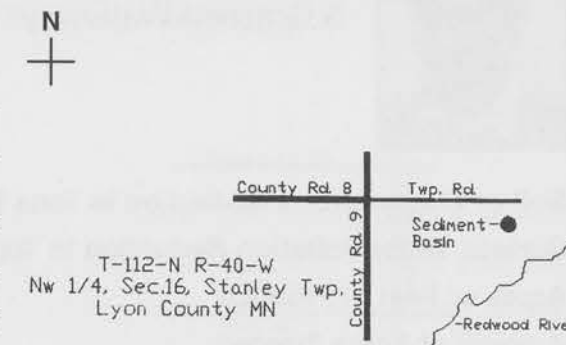
NW FARM MANAGEMENT

1 Sediment Control Basin

"The tile outlet terrace system being installed on Mr. Schultz's property will reduce soil erosion and preserve the land asset for future generations. It will also increase yields and farmability. We have installed similar practices on many of our other clients' properties and have found them to be very beneficial!"

Darrell Hoyle, Northwest Farm Management

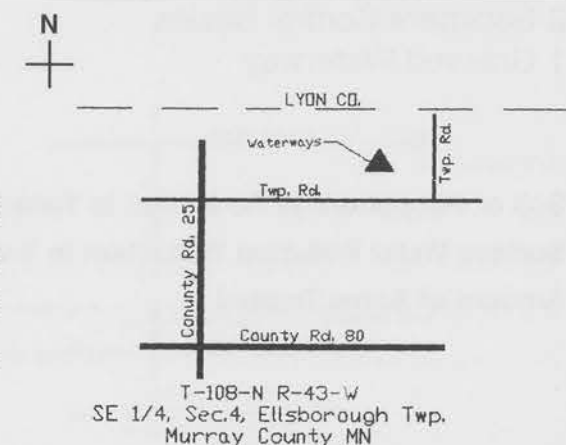
Soil or Phosphorous Reduction In Tons Per Year	46.8
Surface Water Pollution Reduction In Tons Per Year	9.36
Amount of Acres Treated	8.5 acres



RAY NASERS

2 Grassed Waterways

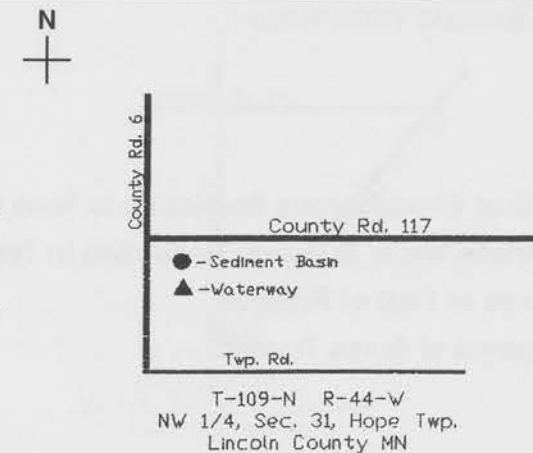
Soil or Phosphorous Reduction In Tons Per Year	334.3
Surface Water Pollution Reduction In Tons Per Year	66.86
Acres or Feet of Practice	3,500 feet
Amount of Acres Treated	3.0 acres



NORMAN PETERSON

1 Grassed Waterway

Soil or Phosphorous Reduction In Tons Per Year	884
Surface Water Pollution Reduction In Tons Per Year	176.8
Acres or Feet of Practice	700 feet, 4.3 acres

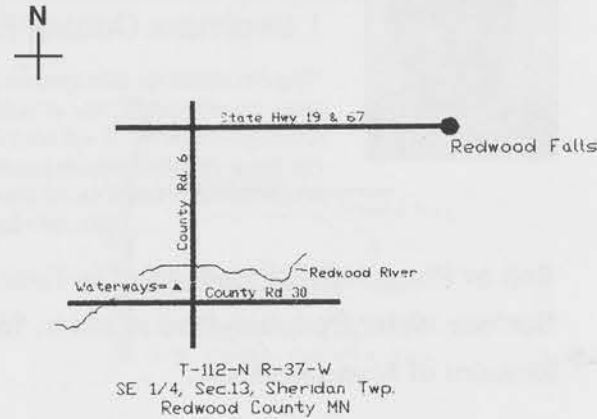




DANNY POTTER

5 Grassed Waterways

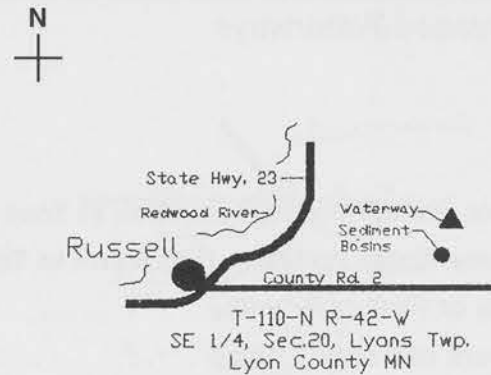
Soil or Phosphorous Reduction In Tons Per Year 119
 Surface Water Pollution Reduction In Tons Per Year 23.8
 Acres or Feet of Practice 3700 feet
 Amount of Acres Treated 4.2 acres



TOM RUSTAND

2 Sediment Control Basins
 1 Grassed Waterway

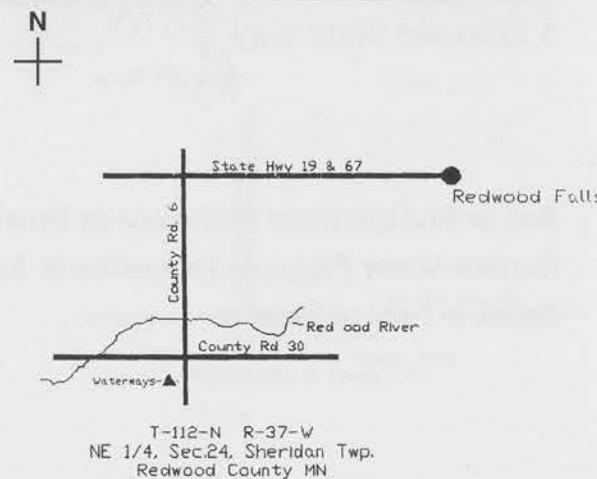
Soil or Phosphorous Reduction In Tons Per Year 272
 Surface Water Pollution Reduction In Tons Per Year 54.4
 Amount of Acres Treated 3.7 acres



SYLVAN SCHEWE

2 Grassed Waterways

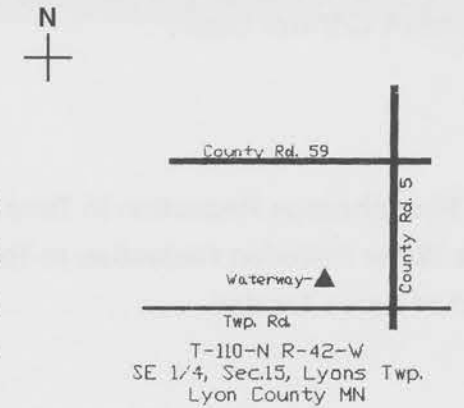
Soil or Phosphorous Reduction In Tons Per Year 35.73
 Surface Water Pollution Reduction In Tons Per Year 7.15
 Acres or Feet of Practice 1750 feet
 Amount of Acres Treated 2.1 acres



HARLEY SCHULTZ

1 Grassed Waterway

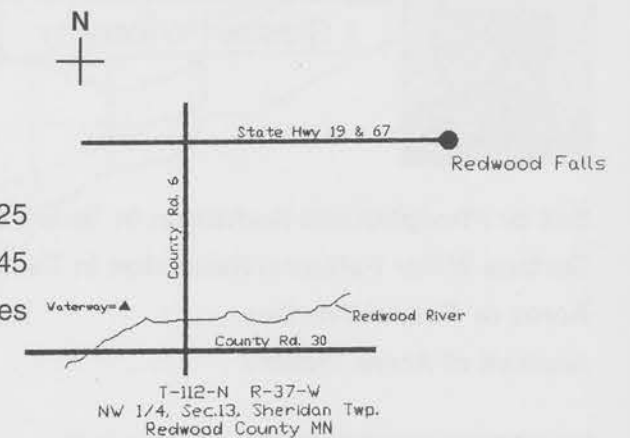
Soil or Phosphorous Reduction In Tons Per Year 403
 Surface Water Pollution Reduction In Tons Per Year 80.6
 Acres or Feet of Practice 1 acre
 Amount of Acres Treated 1.0 acres



GERALD SINGER

1 Grassed Waterway

Soil or Phosphorous Reduction In Tons Per Year 47.25
 Surface Water Pollution Reduction In Tons Per Year 9.45
 Amount of Acres Treated 1.1 acres



THOMAS SHARRATT

1 Grassed Waterway

Soil or Phosphorous Reduction In Tons Per Year 75
 Surface Water Pollution Reduction In Tons Per Year 15
 Acres or Feet of Practice 650 feet
 Amount of Acres Treated 0.6 acres



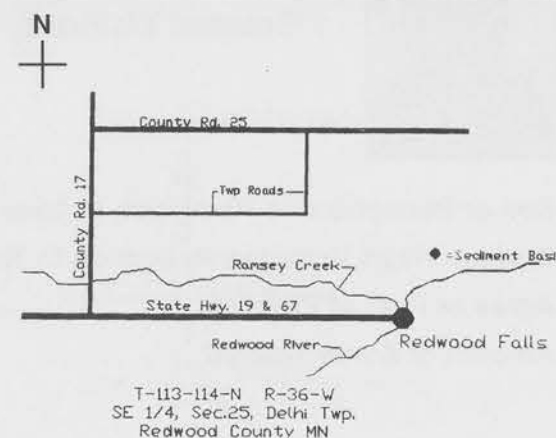
DOUG TIFFANY

1 Sediment Control Basin

Soil or Phosphorous Reduction In Tons Per Year 13.5

Surface Water Pollution Reduction In Tons Per Year 2.7

Amount of Acres Treated 1.4 acres



DAVID WIEME

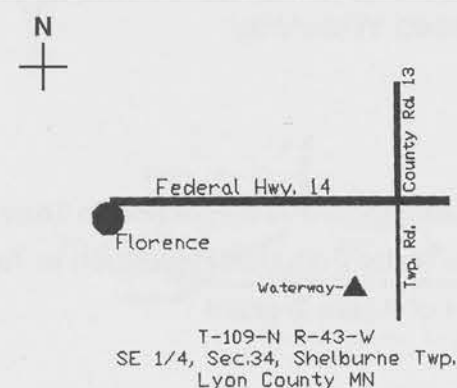
1 Grassed Waterway

Soil or Phosphorous Reduction In Tons Per Year 34

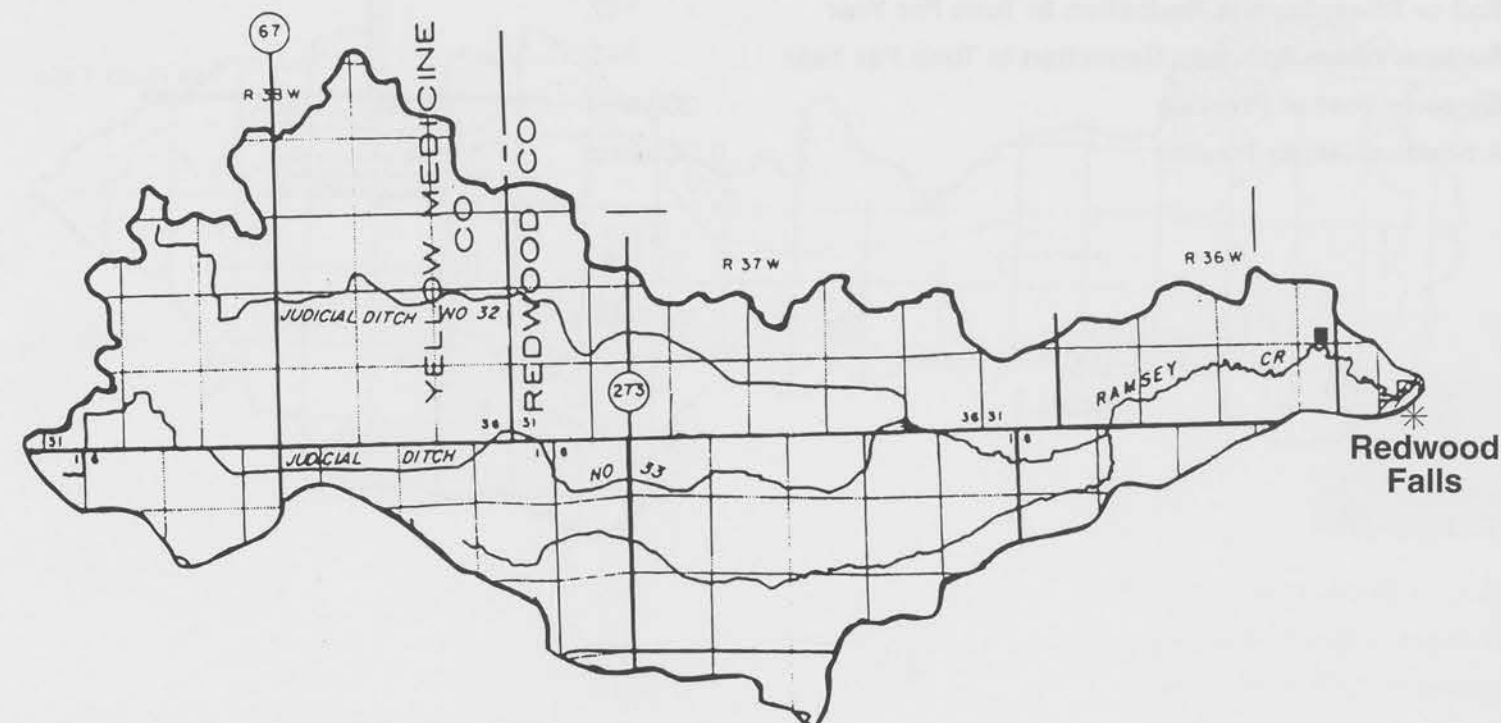
Surface Water Pollution Reduction In Tons Per Year 6.8

Acres or Feet of Practice 550 feet

Amount of Acres Treated 0.5 acres



RAMSEY CREEK SUB-WATERSHED



Ramsey Creek is about 17 miles long, has a drainage area of about 67 acres and slopes 11.2 feet per mile.

Counties: Redwood, Yellow Medicine

Towns: Redwood Falls

Lakes: None

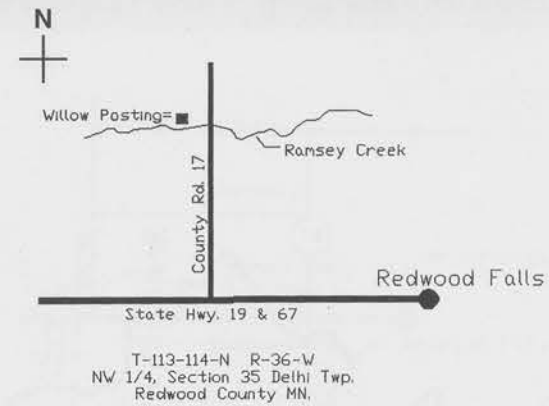
KEY

- * TOWNS
- ▲ GRASSED WATERWAY
- ◆ TERRACE
- SEDIMENT BASIN
- × DIVERSION
- CRITICAL AREA PLANTING
- STREAMBANK STABILIZATION
- △ AG WASTE
- + CONSERVATION TILLAGE
- ▤ MULTI-PURPOSE DAM
- ◇ OTHER CONSERVATION PRACTICES

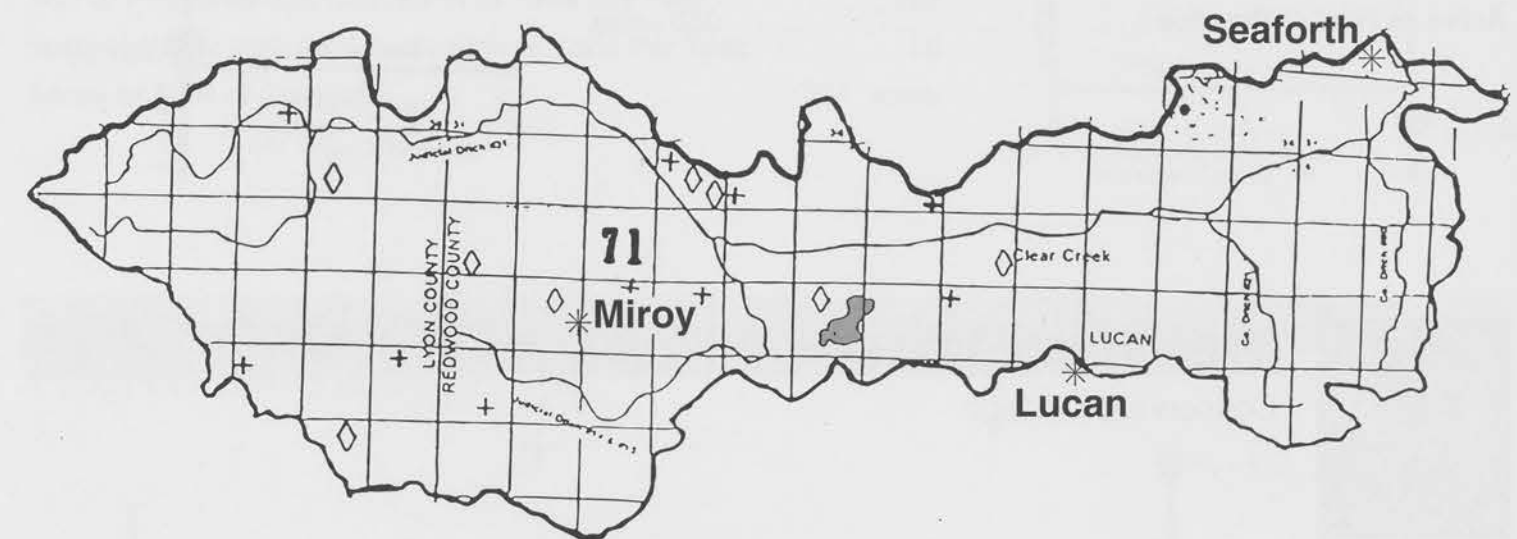
PERRY BOLLUM

1 Stream Bank Stabilization

Soil or Phosphorous Reduction In Tons Per Year 147
 Surface Water Pollution Reduction In Tons Per Year 147
 Acres or Feet of Practice 200 feet
 Amount of Acres Treated 0.17 acres



CLEAR CREEK SUB-WATERSHED



Clear Creek is about 24 miles long, has a drainage area of 83 square miles and slopes 3.31 feet per mile.

Counties: Redwood, Lyon

Towns: Milroy, Lucan and Seaforth

Lakes: None

KEY

- * TOWNS
- ▲ GRASSED WATERWAY
- ◆ TERRACE
- SEDIMENT BASIN
- × DIVERSION
- CRITICAL AREA PLANTING
- STREAMBANK STABILIZATION
- △ AG WASTE
- + CONSERVATION TILLAGE
- ▤ MULTI-PURPOSE DAM
- ◇ OTHER CONSERVATION PRACTICES



CHRISTENSEN FARMS (TIM & CEDRIC)

Integrated Crop Management

Acres or Feet of Practice 350 acres



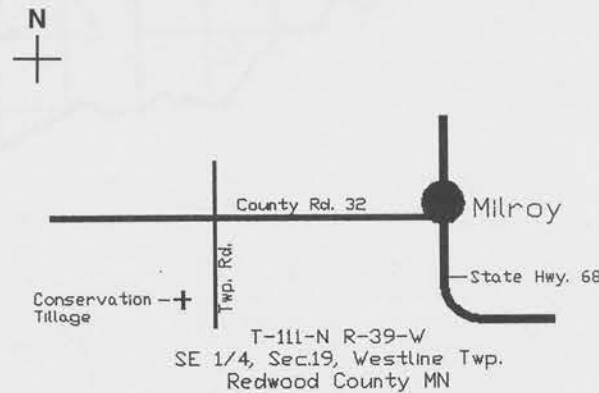
JEROME CHRISTENSEN

Conservation Tillage

Soil or Phosphorous Reduction In Tons Per Year 359

Surface Water Pollution Reduction In Tons Per Year 72

Acres or Feet of Practice 291.6 acres



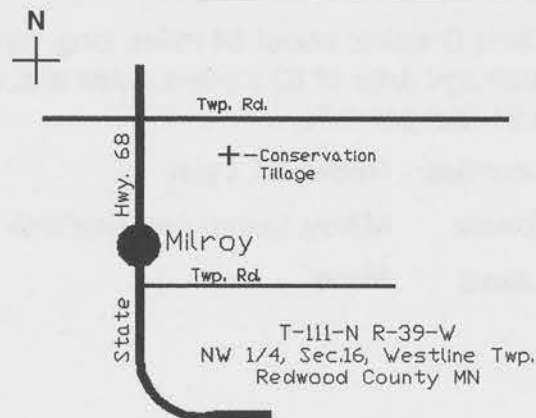
JOHN L. & JANIS CHRISTENSEN

Conservation Tillage

Soil or Phosphorous Reduction In Tons Per Year 221

Surface Water Pollution Reduction In Tons Per Year 44

Acres or Feet of Practice 100 acres



PATRICK DOLAN

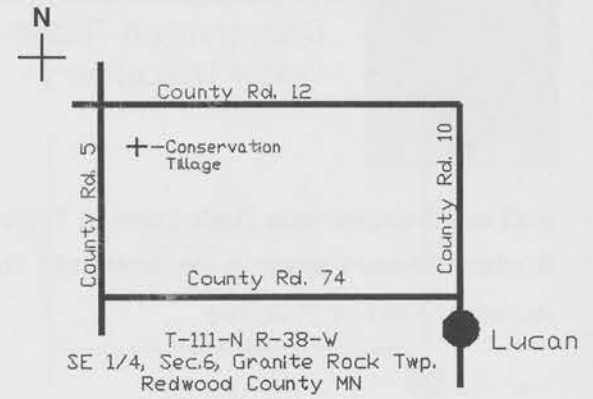
Conservation Tillage

"I have always liked the idea of conservation. The incentive payment has allowed me to take my conservation management to a new level, that being no-till."

Soil or Phosphorous Reduction In Tons Per Year 291

Surface Water Pollution Reduction In Tons Per Year 58

Acres or Feet of Practice 291 acres



MELVIN HENRIKSEN

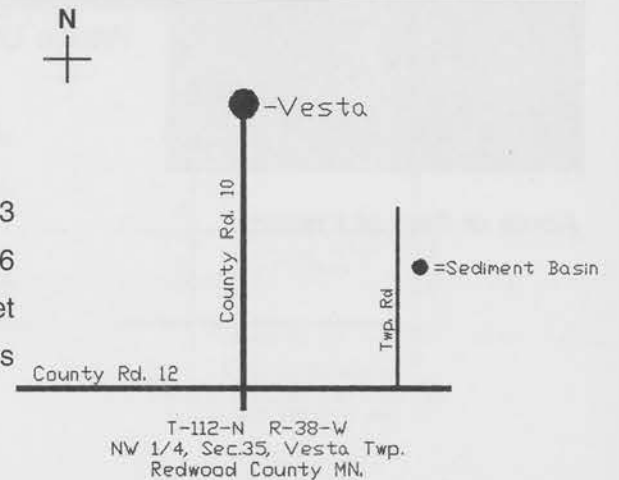
1 Sediment Control Basin

Soil or Phosphorous Reduction In Tons Per Year 88.3

Surface Water Pollution Reduction In Tons Per Year 17.66

Acres or Feet of Practice 600 feet

Amount of Acres Treated 5.5 acres



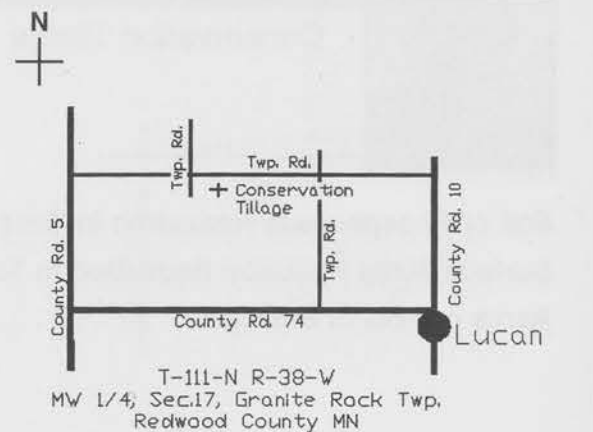
GARY JENSEN

Conservation Tillage

Soil or Phosphorous Reduction In Tons Per Year 338

Surface Water Pollution Reduction In Tons Per Year 68

Acres or Feet of Practice 270.7 acres

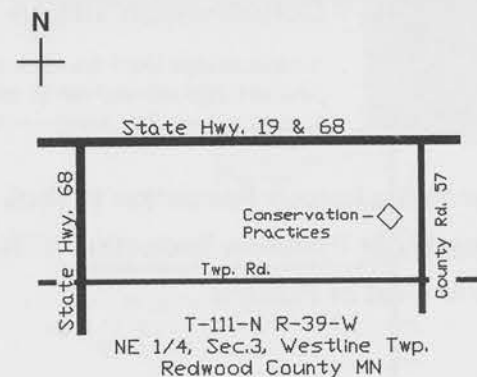




BRUCE KESTELOOT

Conservation Tillage
Waste Utilization

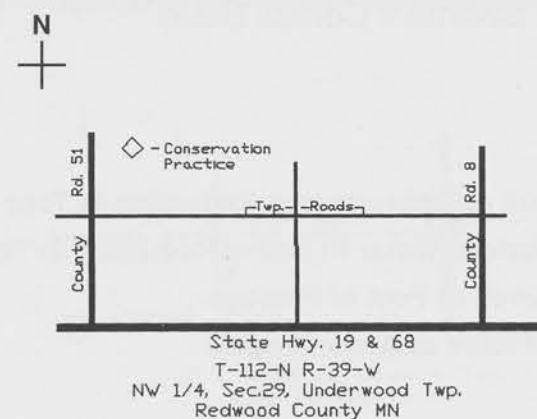
Soil or Phosphorous Reduction In Tons Per Year 162
Surface Water Pollution Reduction In Tons Per Year 32
Acres or Feet of Practice 300.8 acres



DARYL, DAVID & DANIEL LEACH

Waste Utilization

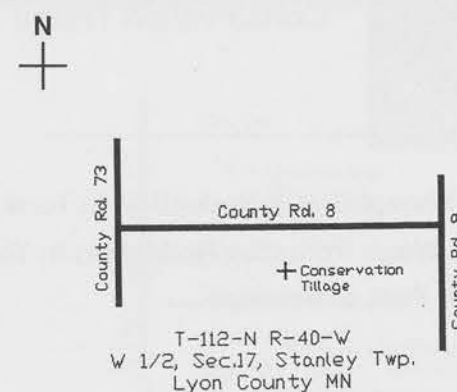
Acres or Feet of Practice 74.6 acres



ERNEST LOUWAGIE

Conservation Tillage

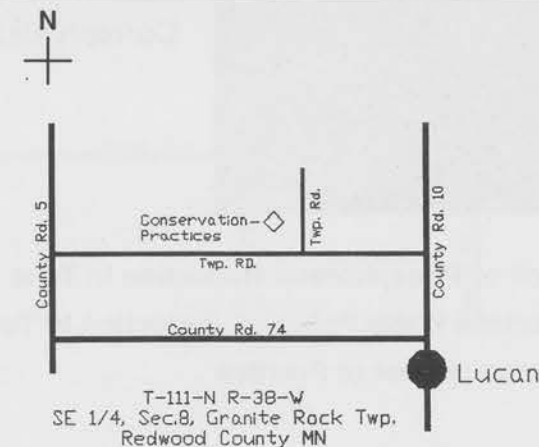
Soil or Phosphorous Reduction In Tons Per Year 192
Surface Water Pollution Reduction In Tons Per Year 38
Acres or Feet of Practice 213.2 acres



DENNIS PLAETZ

Integrated Crop Management

Acres or Feet of Practice 350 acres

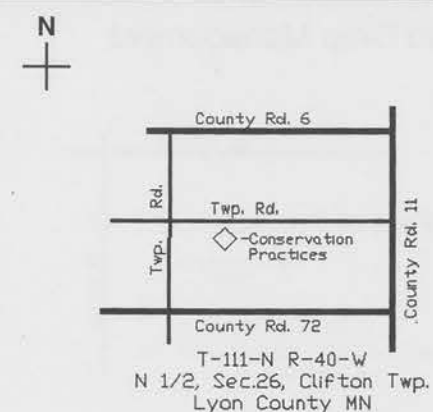


SCHMIDT BROS. (RONALD & DONALD)

Integrated Crop
Management

"I think it is a good program ... you have to start somewhere or else things will continue to get worse." Donald

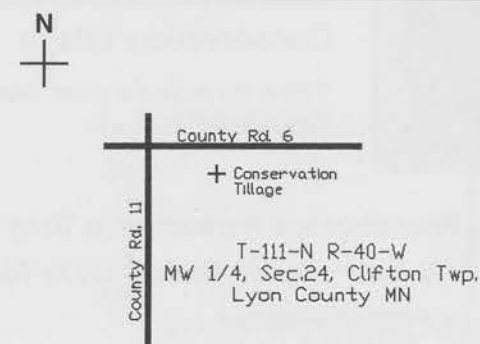
Acres or Feet of Practice 687.1 acres



LARRY SCHMIDT

Conservation Tillage

Soil or Phosphorous Reduction In Tons Per Year 347
Surface Water Pollution Reduction In Tons Per Year 69
Acres or Feet of Practice 291.6 acres

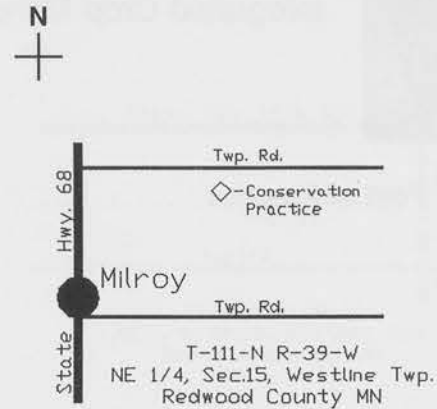




PERRY & JULIE SCHUMACHER

Conservation Tillage

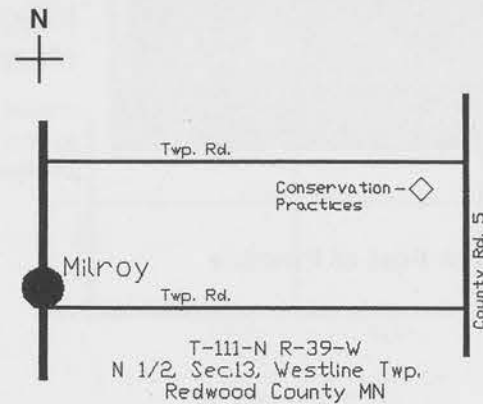
Soil or Phosphorous Reduction In Tons Per Year 213
 Surface Water Pollution Reduction In Tons Per Year 43
 Acres or Feet of Practice 256.5 acres



SOUPIR JOINT VENTURES (JEFF, GLENN, CHARLES, PAUL)

Integrated Crop Management

Acres or Feet of Practice 1400 acres

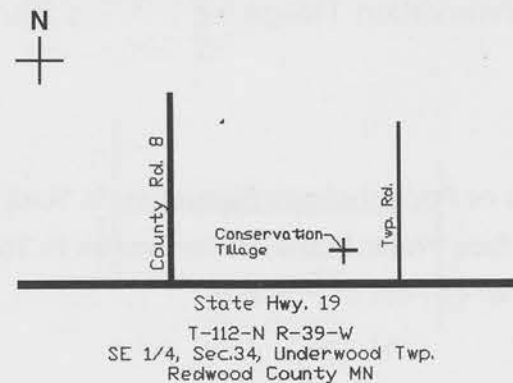


MICAEL SWALBOSKI

Conservation Tillage

"I think the project is good. Seems like you guys are always doing something."

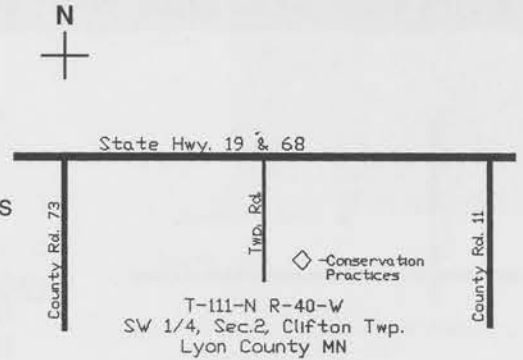
Soil or Phosphorous Reduction In Tons Per Year 240
 Surface Water Pollution Reduction In Tons Per Year 48
 Acres or Feet of Practice 171.5 acres



JIM TAUER

Integrated Crop Management

Acres or Feet of Practice 350 acres



AL VERDOES

Conservation Tillage

Soil or Phosphorous Reduction In Tons Per Year 350
 Surface Water Pollution Reduction In Tons Per Year 70
 Acres or Feet of Practice 291.7 acres

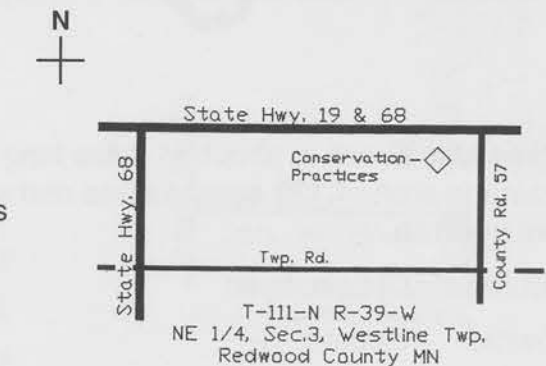


LLOYD WELU

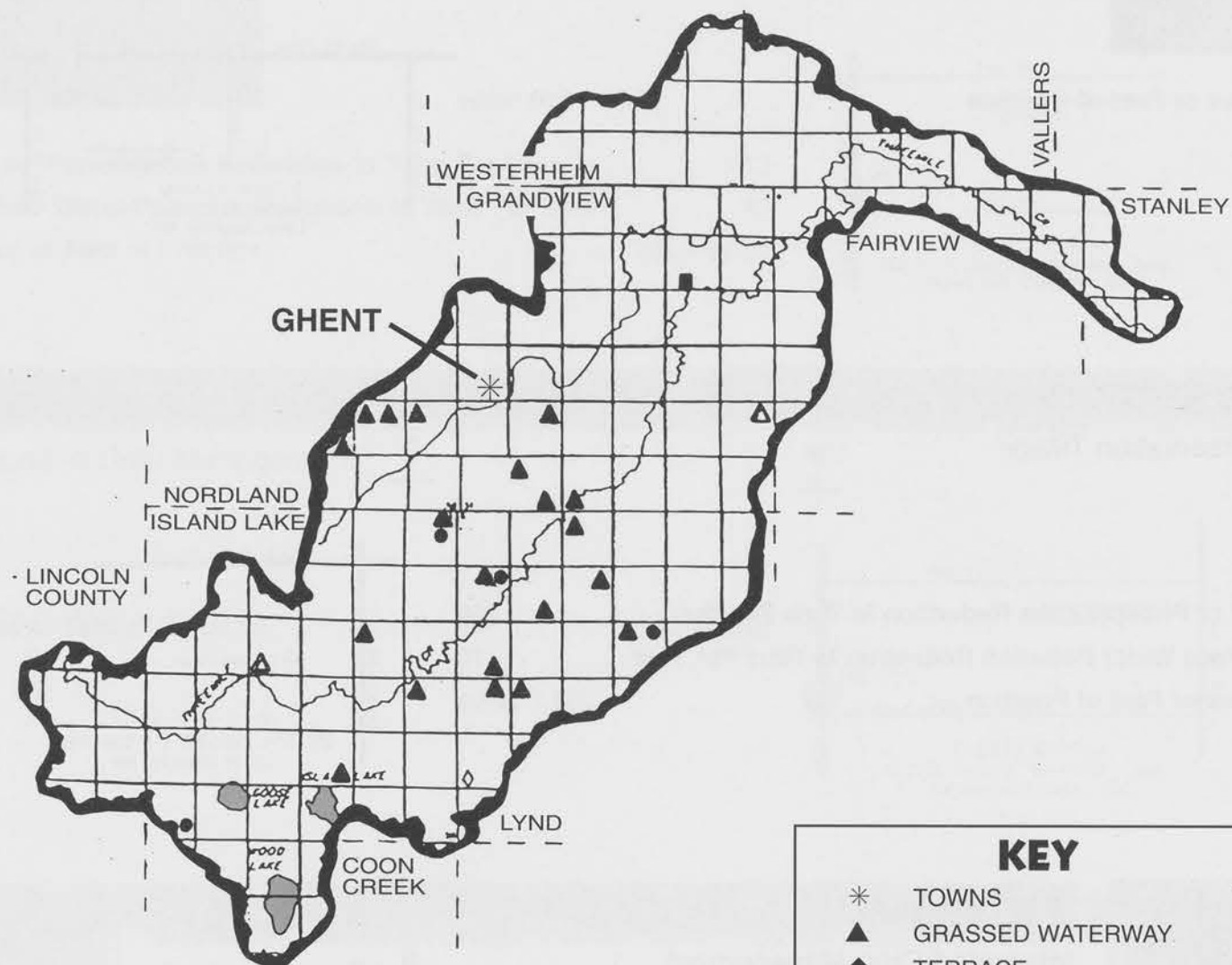
Integrated Crop Management

"I seem to be more aware of farm management options and checking those options more carefully because of Integrated Crop Management."

Acres or Feet of Practice 926 acres



THREE MILE CREEK SUB-WATERSHED



Three Mile Creek is about 54 miles long, has a drainage area of 120 square miles and slopes 9.7 feet per mile.

Counties: Lincoln, Lyon

Towns: Ghent

Lakes: Wood Lake, Goose Lake, Island Lake

KEY

- * TOWNS
- ▲ GRASSED WATERWAY
- ◆ TERRACE
- SEDIMENT BASIN
- × DIVERSION
- CRITICAL AREA PLANTING
- STREAMBANK STABILIZATION
- △ AG WASTE
- + CONSERVATION TILLAGE
- ▤ MULTI-PURPOSE DAM
- ◇ OTHER CONSERVATION PRACTICES



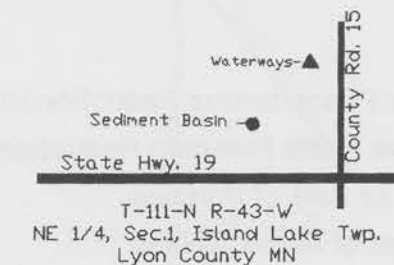
Helen Anderson

THEODORE ANDERSON

- 2 Grassed Waterways
- 1 Sediment Control Basin

"The primary responsibility for wise land management rests with those who own and operate the land. Land ownership is a sacred trust. We must remember, interest of the countless thousands in future generations who must gain their livelihood from this land."

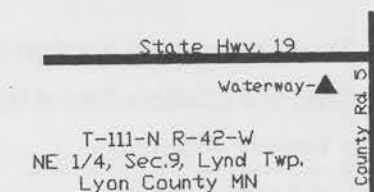
Soil or Phosphorous Reduction In Tons Per Year	110.9
Surface Water Pollution Reduction In Tons Per Year	22.18
Acres or Feet of Practice	2 acres



T.E. c/o DAVID APPLIN

- 1 Grassed Waterway

Soil or Phosphorous Reduction In Tons Per Year	249
Surface Water Pollution Reduction In Tons Per Year	49.8
Acres or Feet of Practice	2600 feet
Amount of Acres Treated	3.2 acres

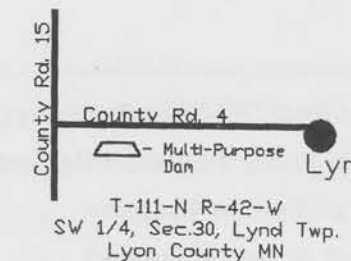


PERRY BANKS

- 1 Multi-Purpose Dam

"We believe in and use no till on our land. Any conservation measures we do benefit everyone down stream."

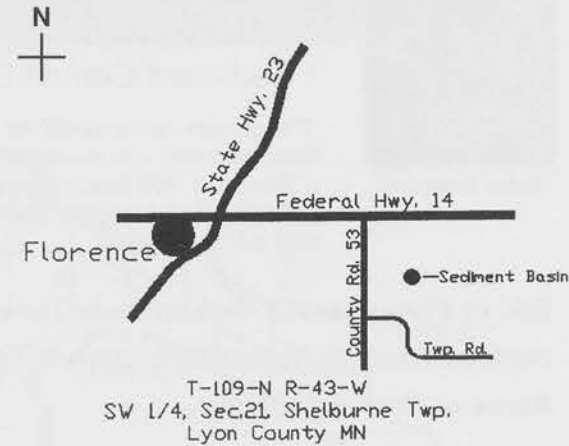
Soil or Phosphorous Reduction In Tons Per Year	26
Surface Water Pollution Reduction In Tons Per Year	5.2
Acres or Feet of Practice	300 feet
Amount of Acres Treated	0.3 acres



ROGER & RONALD ANDERSON

1 Sediment Control Basin

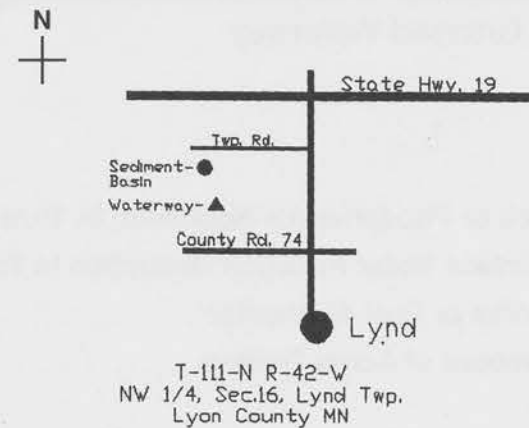
Soil or Phosphorous Reduction In Tons Per Year 124
 Surface Water Pollution Reduction In Tons Per Year 24.8
 Acres or Feet of Practice 1
 Amount of Acres Treated 3.0 acres



MIKE BUESING

1 Sediment Control Basin
 1 Grassed Waterway

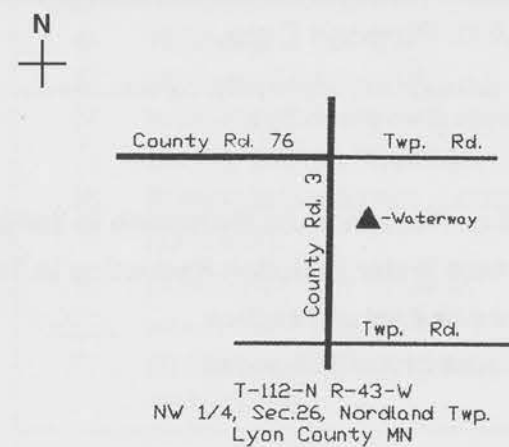
Soil or Phosphorous Reduction In Tons Per Year 96.3
 Surface Water Pollution Reduction In Tons Per Year 19.26
 Acres or Feet of Practice 500 feet
 Amount of Acres Treated 2.75 acres



PAUL A. CLAEYS

1 Grassed Waterway

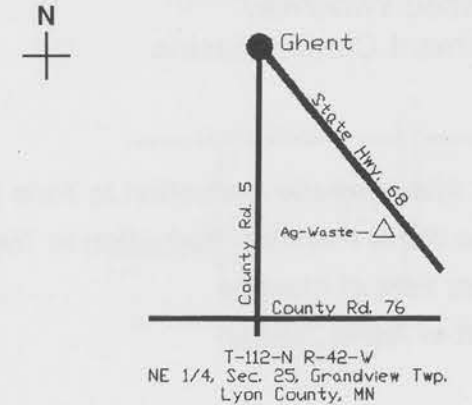
Soil or Phosphorous Reduction In Tons Per Year 249
 Surface Water Pollution Reduction In Tons Per Year 49.8
 Acres or Feet of Practice 345 feet, 4 acres
 Amount of Acres Treated 5.4 acres



DONALD DeVOS

1 Ag-Waste System

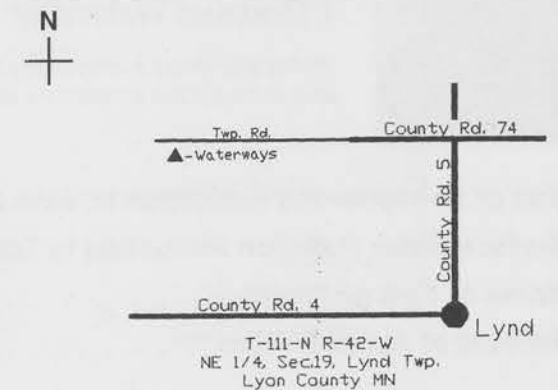
Soil or Phosphorous Reduction In Tons Per Year 1.74
 Surface Water Pollution Reduction In Tons Per Year 0.348
 Amount of Acres Treated 0.3 acres



LARRY EVANS

4 Grassed Waterways

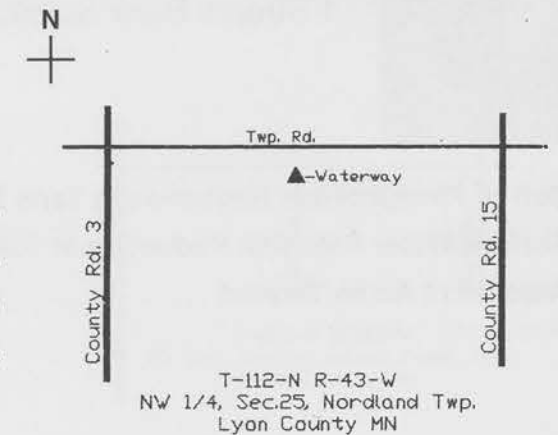
Soil or Phosphorous Reduction In Tons Per Year 370.08
 Surface Water Pollution Reduction In Tons Per Year 74.016
 Acres or Feet of Practice 5800 feet
 Amount of Acres Treated 5.1 acres



ROBERT FIXEN

1 Grassed Waterway

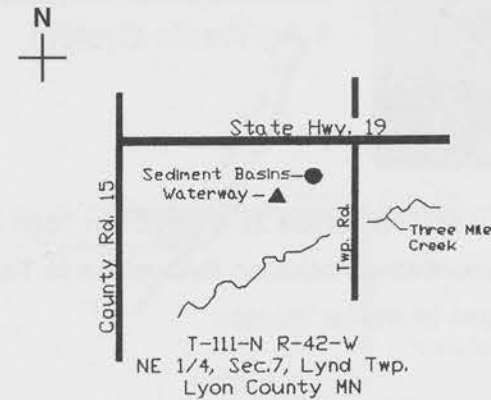
Soil or Phosphorous Reduction In Tons Per Year 147.15
 Surface Water Pollution Reduction In Tons Per Year 29.43
 Acres or Feet of Practice 1 acre
 Amount of Acres Treated 1.0 acres



LARS JOHANSSON

- 1 Grassed Waterway
- 2 Sediment Control Basins

Soil or Phosphorous Reduction In Tons Per Year 223.58
 Surface Water Pollution Reduction In Tons Per Year 44.716
 Acres or Feet of Practice 1000 feet, 3 acres
 Amount of Acres Treated 4.3 acres

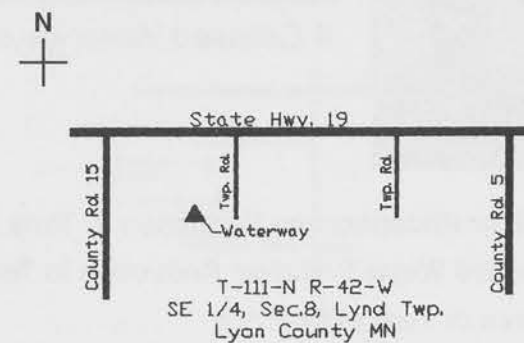


JON MELLENTHIN

- 1 Grassed Waterway

"Being interested in preserving the quality of our land and water should be a main concern for all of us."

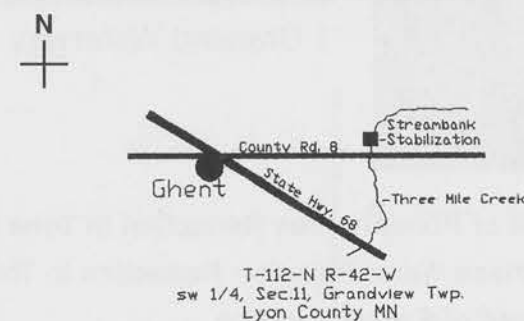
Soil or Phosphorous Reduction In Tons Per Year 342.75
 Surface Water Pollution Reduction In Tons Per Year 68.55
 Acres or Feet of Practice 1.25 acres
 Amount of Acres Treated 1.25 acres



JAMES NOYES

- 1 Stream Bank Stabilization

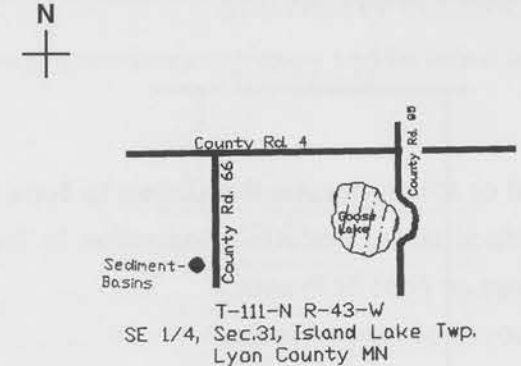
Soil or Phosphorous Reduction In Tons Per Year 12
 Surface Water Pollution Reduction In Tons Per Year 2.4
 Amount of Acres Treated 400 feet



DARRELL OERTER

- 5 Sediment Control Basins

Soil or Phosphorous Reduction In Tons Per Year 270
 Surface Water Pollution Reduction In Tons Per Year 54
 Amount of Acres Treated 19.1 acres

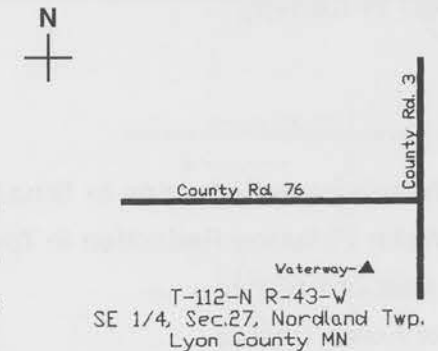


Jim Opdahl

HAROLD & MAGDALENA OPDAHL, JR.

- 1 Grassed Waterway

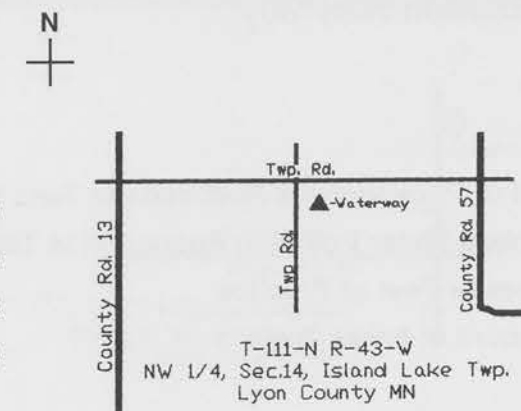
Soil or Phosphorous Reduction In Tons Per Year 319
 Surface Water Pollution Reduction In Tons Per Year 63.8
 Acres or Feet of Practice 3400 feet
 Amount of Acres Treated 4.5 acres



DALE W. POCHARDT

- 1 Grassed Waterway

Soil or Phosphorous Reduction In Tons Per Year 259
 Surface Water Pollution Reduction In Tons Per Year 51.8
 Acres or Feet of Practice 1600 feet
 Amount of Acres Treated 1.5 acres

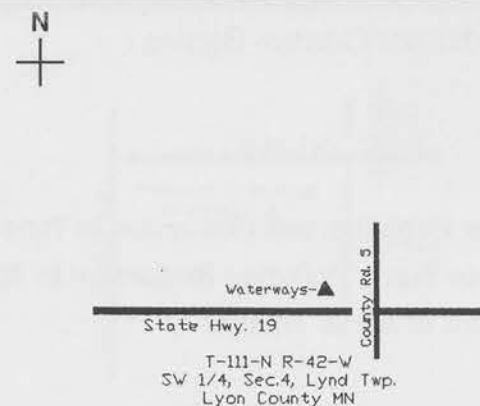


ARLYS RASMUSSEN

6 Grassed Waterways

"This project will be a wonderful improvement that will last for many years."

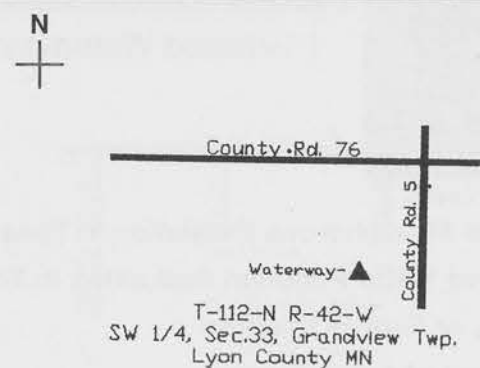
Soil or Phosphorous Reduction In Tons Per Year	560.97
Surface Water Pollution Reduction In Tons Per Year	112.194
Acres or Feet of Practice	4100 feet, 6.8 acres
Amount of Acres Treated	6.8 acres



PHILIP SWANSON

1 Grassed Waterway

Soil or Phosphorous Reduction In Tons Per Year	54.7
Surface Water Pollution Reduction In Tons Per Year	10.94
Acres or Feet of Practice	900 feet, 0.8 acres
Amount of Acres Treated	0.8 acres



ERNEST H. THOFT

1 Grassed Waterway

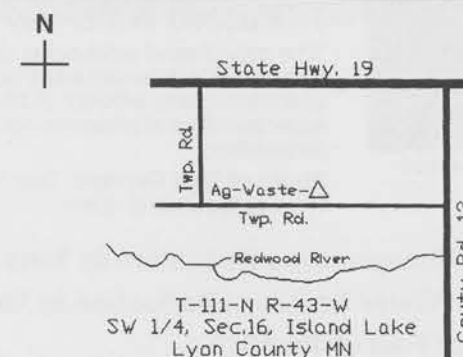
Soil or Phosphorous Reduction In Tons Per Year	89.3
Surface Water Pollution Reduction In Tons Per Year	5.217.86
Acres or Feet of Practice	1500 feet, 1.6 acres
Amount of Acres Treated	1.6 acres



JAMES VANDAMME

1 Ag-Waste System

Soil or Phosphorous Reduction In Tons Per Year	5.21
Surface Water Pollution Reduction In Tons Per Year	1.042
Amount of Acres Treated	3.5 acres



DANIEL VANLEEUEWE

3 Grassed Waterways

"Soil erosion has been a major problem to keep ahead of over the years. Whatever you can do each year to prevent erosion is a benefit to your land and sustains the valuable topsoil needed to produce agricultural crops."

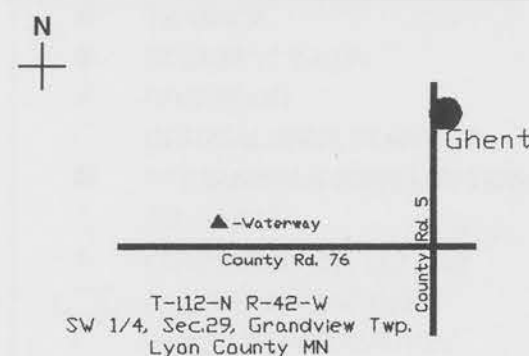
Soil or Phosphorous Reduction In Tons Per Year	49
Surface Water Pollution Reduction In Tons Per Year	9.8
Acres or Feet of Practice	1 acre
Amount of Acres Treated	1.0 acres



ROBERT VANLEEUEWE

1 Grassed Waterway

Soil or Phosphorous Reduction In Tons Per Year	99
Surface Water Pollution Reduction In Tons Per Year	19.82
Acres or Feet of Practice	1.4 acres
Amount of Acres Treated	1.4 acres





Tom Runholt

MARY WIER

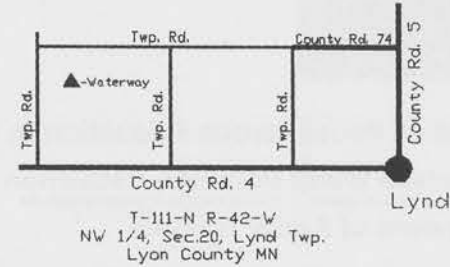
1 Grassed Waterway

"The coordinated work being done with others in the watershed collectively will benefit water quality and make our farming operations more efficient. A little work each year will attain both water quality and preserve our resources for upcoming generations."

Tom Runholt

Photo of Tom Runholt. Tom has been the individual handling the practice coordination.

Soil or Phosphorous Reduction In Tons Per Year	274
Surface Water Pollution Reduction In Tons Per Year	54.8
Acres or Feet of Practice	1 acre
Amount of Acres Treated	1.0 acres

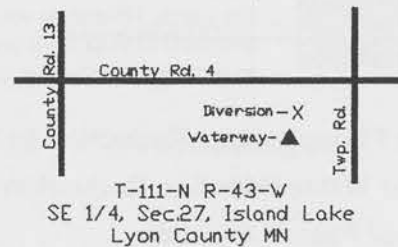


ROLAND WINTER

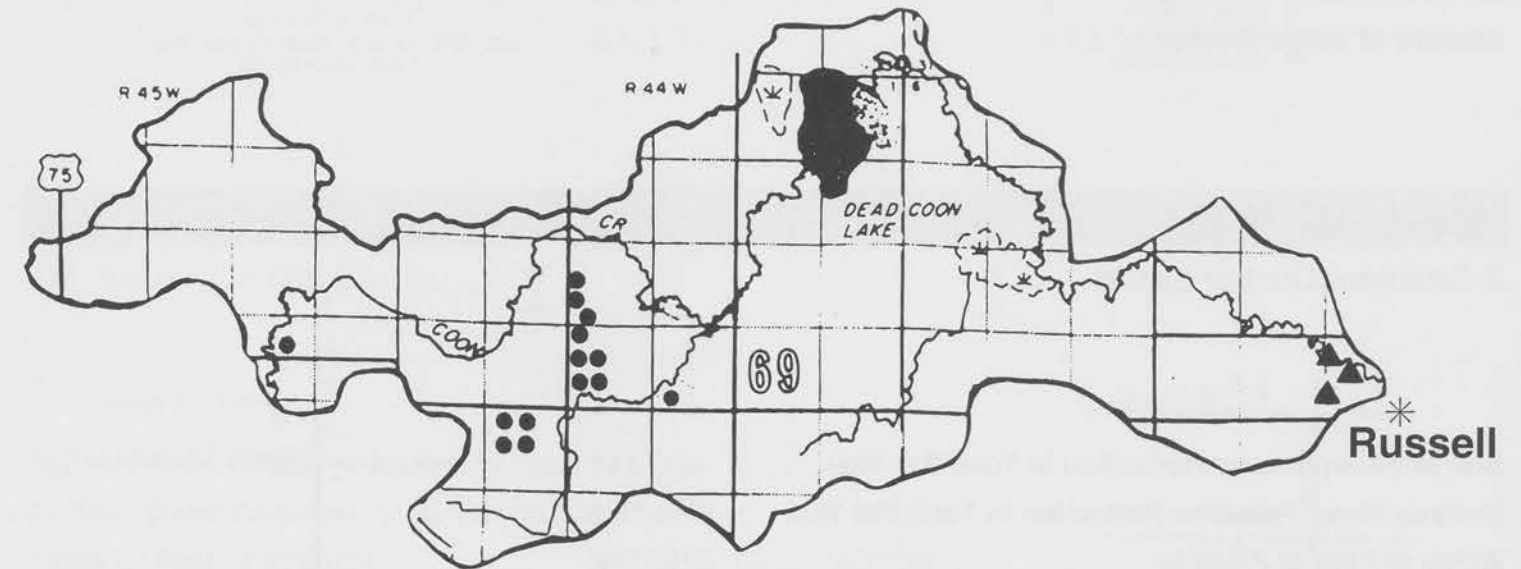
1 Diversion

1 Grassed Waterway

Soil or Phosphorous Reduction In Tons Per Year	89.9
Surface Water Pollution Reduction In Tons Per Year	17.98
Acres or Feet of Practice	1900 feet, 3.0 acres
Amount of Acres Treated	3.0 acres



COON CREEK SUB-WATERSHED



Coon Creek is about 36 miles long, has a drainage area of about 96 square miles and slopes 5.2 feet per mile.

Counties: Lincoln, Lyon

Towns: None

Lakes: Dead Coon Lake

KEY

- * TOWNS
- ▲ GRASSED WATERWAY
- ◆ TERRACE
- SEDIMENT BASIN
- × DIVERSION
- CRITICAL AREA PLANTING
- STREAMBANK STABILIZATION
- △ AG WASTE
- + CONSERVATION TILLAGE
- ▬ MULTI-PURPOSE DAM
- ◇ OTHER CONSERVATION PRACTICES

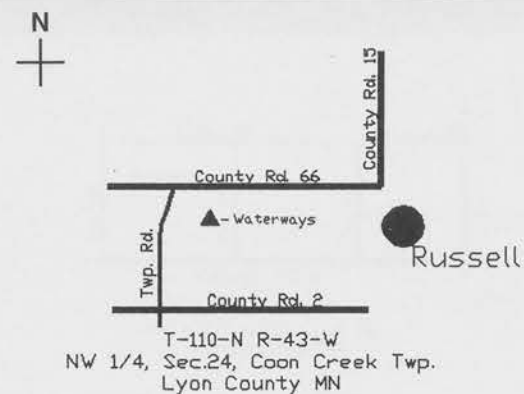


ALLAN KLUKAS

2 Grassed Waterways

"These waterways will be a good solution to the erosion problems and the wildlife in the area will also benefit from this."

Soil or Phosphorous Reduction In Tons Per Year	149
Surface Water Pollution Reduction In Tons Per Year	29.8
Acres or Feet of Practice	2 acres
Amount of Acres Treated	1.0



KIAR NIELSEN

3 Sediment Control Basins

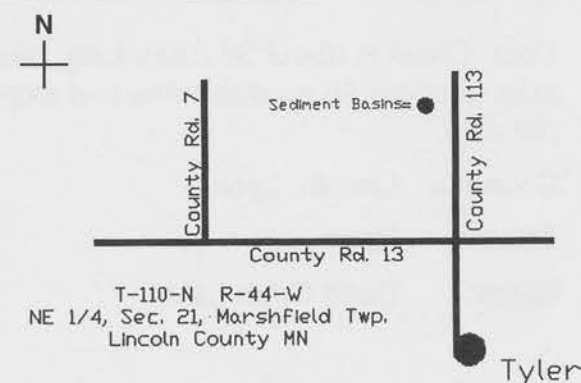
Soil or Phosphorous Reduction In Tons Per Year	248
Surface Water Pollution Reduction In Tons Per Year	49.6
Acres or Feet of Practice	2100 feet



RANDY NIELSEN

4 Sediment Control Basins

Soil or Phosphorous Reduction In Tons Per Year	186
Surface Water Pollution Reduction In Tons Per Year	37.2
Acres or Feet of Practice	1200 feet



DUANE WICHERN

4 Sediment Control Basins

Soil or Phosphorous Reduction In Tons Per Year	586
Surface Water Pollution Reduction In Tons Per Year	117.2
Acres or Feet of Practice	1200 feet



JAMES WIERING

4 Sediment Control Basins

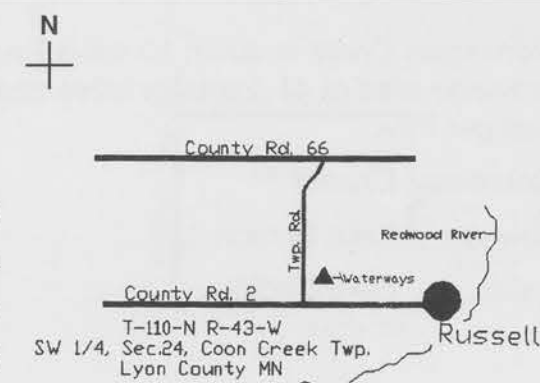
Soil or Phosphorous Reduction In Tons Per Year	270.13
Surface Water Pollution Reduction In Tons Per Year	54.026
Acres or Feet of Practice	1400 feet



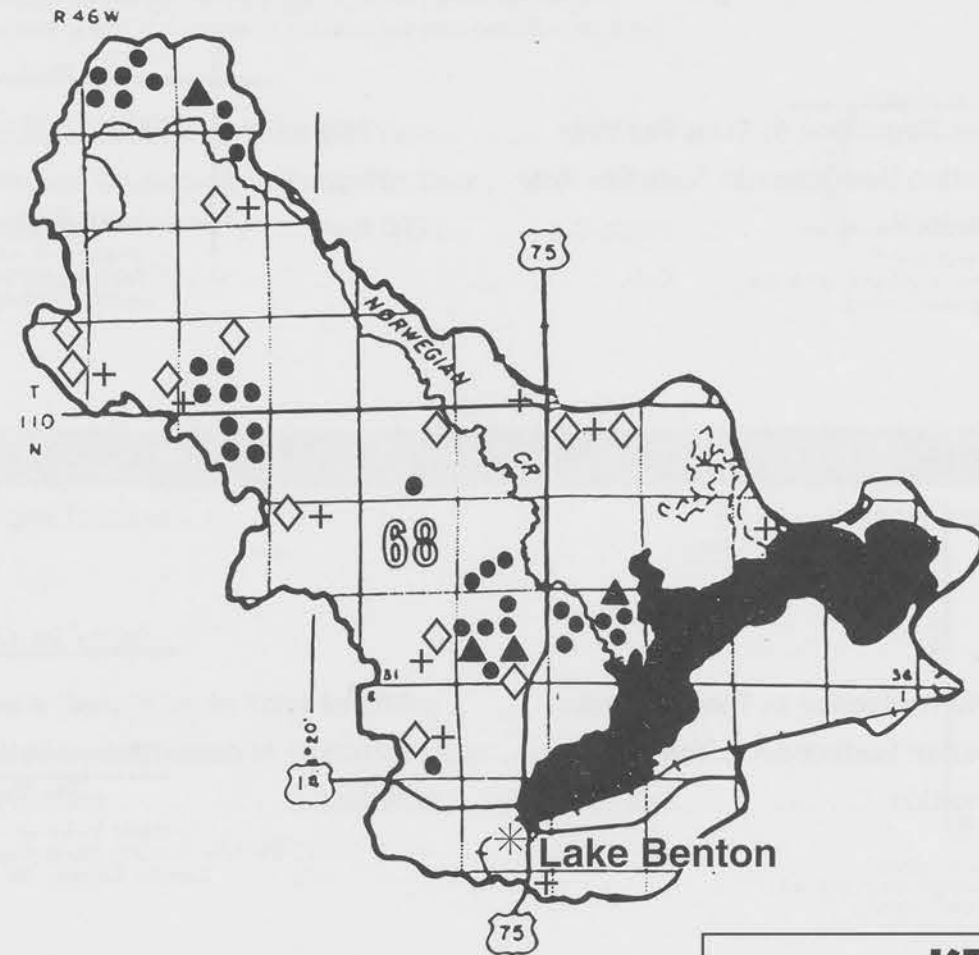
EDWARD ZVORAK

2 Grassed Waterways

Soil or Phosphorous Reduction In Tons Per Year	621.5
Surface Water Pollution Reduction In Tons Per Year	124.3
Acres or Feet of Practice	2500 feet, 1.9 Acres
Amount of Acres Treated	1.9 Acres



NORWEGIAN CREEK SUB-WATERSHED



Norwegian Creek is about 10 miles long, has a drainage area of 41.5 square miles and slopes 5.3 feet per mile.

Counties: Lincoln

Towns: Lake Benton

Lakes: Lake Benton

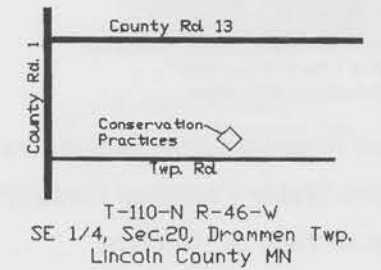
KEY

- * TOWNS
- ▲ GRASSED WATERWAY
- ◆ TERRACE
- SEDIMENT BASIN
- × DIVERSION
- CRITICAL AREA PLANTING
- STREAMBANK STABILIZATION
- △ AG WASTE
- + CONSERVATION TILLAGE
- ▤ MULTI-PURPOSE DAM
- ◇ OTHER CONSERVATION PRACTICES

RANDALL BUSHMAN

Conservation Tillage
Integrated Crop Management

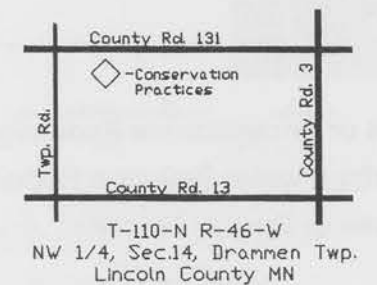
Soil or Phosphorous Reduction In Tons Per Year 544
Surface Water Pollution Reduction In Tons Per Year 109
Acres or Feet of Practice 155.4 acres



CLARENCE & MARY CARAWAY

Pasture Planting
Rotational Grazing
Integrated Crop Management

Acres or Feet of Practice 280.9 acres



PAUL FEHRMAN

Pasture Planting
Rotational Grazing
Integrated Crop Management

Acres or Feet of Practice 249.7 acres



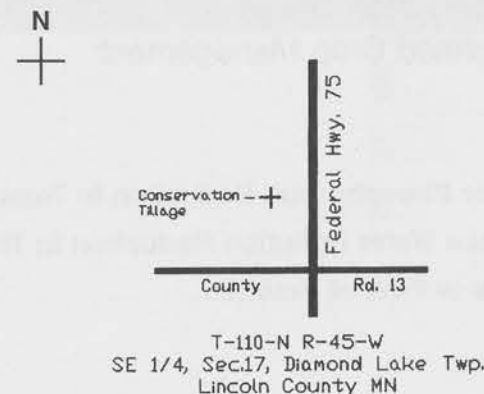


JOHN FEUERSTEIN

Conservation Tillage

John Feurenstein and
Walentyna Anderson

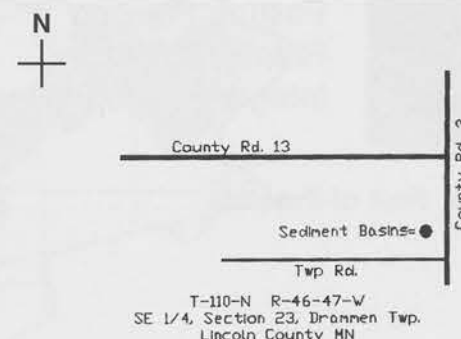
Soil or Phosphorous Reduction In Tons Per Year 85
Surface Water Pollution Reduction In Tons Per Year 17
Acres or Feet of Practice 78.3 acres



ARNOLD GARBERS

4 Sediment Control Basins

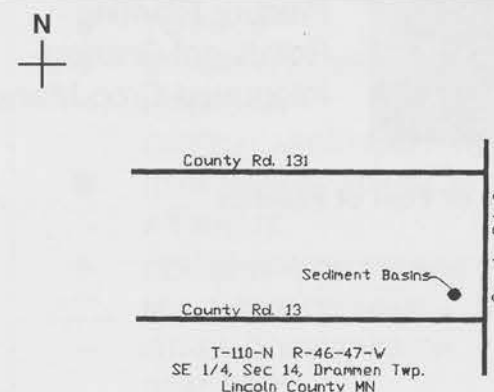
Soil or Phosphorous Reduction In Tons Per Year 383.4
Surface Water Pollution Reduction In Tons Per Year 76.68
Acres or Feet of Practice 2000 feet



KEITH GILBERT

5 Sediment Control Basins

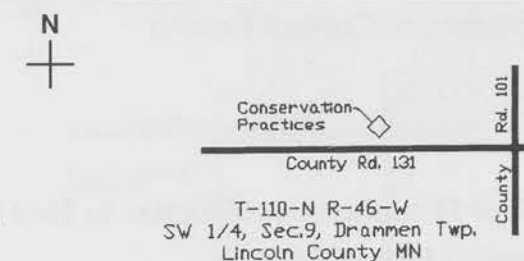
Soil or Phosphorous Reduction In Tons Per Year 185.5
Surface Water Pollution Reduction In Tons Per Year 37.1
Acres or Feet of Practice 2000 feet



DELANEY HEREFORDS, INC.

Integrated Crop Management

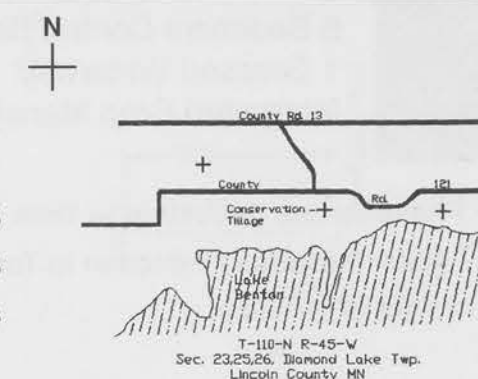
Acres or Feet of Practice 116 acres



JOHNSON'S PARTNERSHIP

Conservation Tillage

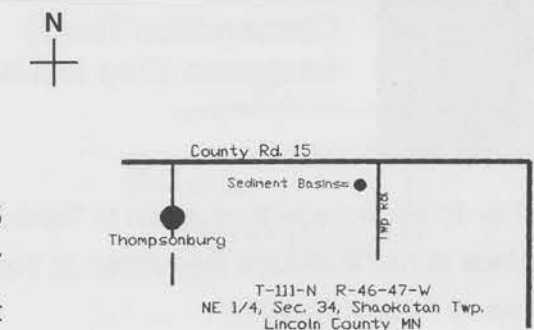
Soil or Phosphorous Reduction In Tons Per Year 188
Surface Water Pollution Reduction In Tons Per Year 38
Acres or Feet of Practice 135.4 acres



EARL KRIER

4 Sediment Control Basins

Soil or Phosphorous Reduction In Tons Per Year 318.5
Surface Water Pollution Reduction In Tons Per Year 63.7
Acres or Feet of Practice 1600 feet

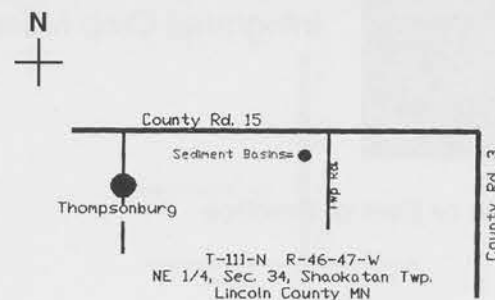


PHILIP KRIER

2 Sediment Control Basins

Soil or Phosphorous Reduction In Tons Per Year 318.5

Acres or Feet of Practice 800 feet



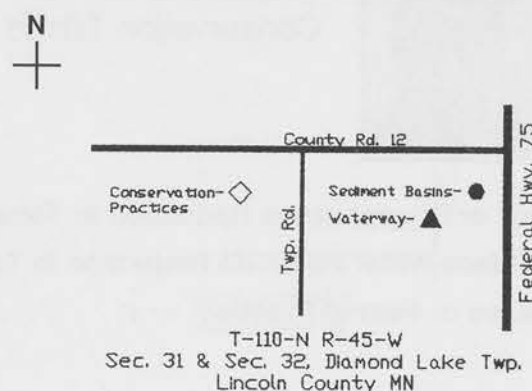
GLEN KROG

5 Sediment Control Basins
1 Grassed Waterway
Integrated Crop Management

Soil or Phosphorous Reduction In Tons Per Year 183.5

Surface Water Pollution Reduction In Tons Per Year 40.2

Acres or Feet of Practice 372.3 acres



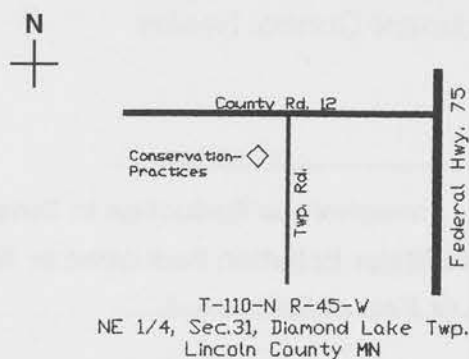
KENNETH KROG

Conservation Tillage
Integrated Crop Management

Soil or Phosphorous Reduction In Tons Per Year 1859

Surface Water Pollution Reduction In Tons Per Year 372

Acres or Feet of Practice 384.9 acres



CURTIS LAMBERT

Pasture Management
Rotational Grazing
Conservation Tillage

Soil or Phosphorous Reduction In Tons Per Year 222

Surface Water Pollution Reduction In Tons Per Year 44

Acres or Feet of Practice 153.6 acres

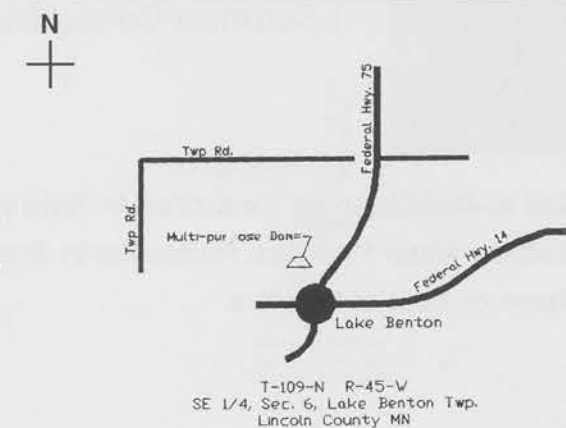


LINCOLN CO.

1 Multi-Purpose Dam

Soil or Phosphorous Reduction In Tons Per Year 874

Surface Water Pollution Reduction In Tons Per Year 174.8

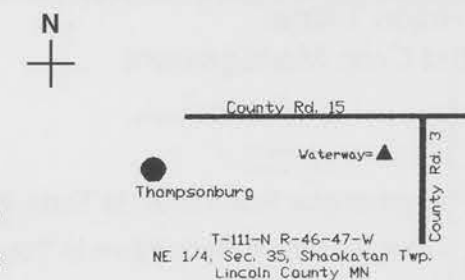


HERMAN PETERSEN, JR.

1 Grassed Waterway

Soil or Phosphorous Reduction In Tons Per Year 318.5

Acres or Feet of Practice 1600 feet

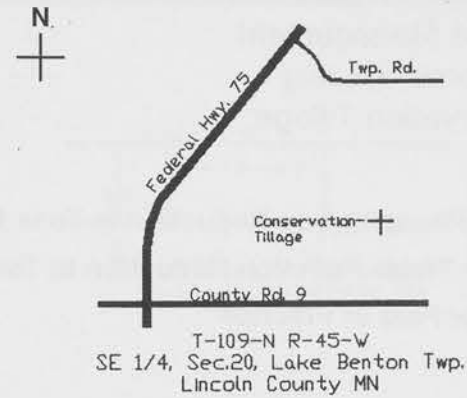




RICHLAND FARMS, INC.

Conservation Tillage

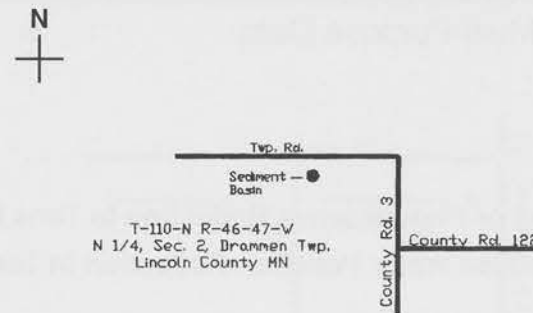
Soil or Phosphorous Reduction In Tons Per Year 2264
 Surface Water Pollution Reduction In Tons Per Year 453
 Acres or Feet of Practice 318.4 acres



DAVID ROCHEL

1 Sediment Control Basin

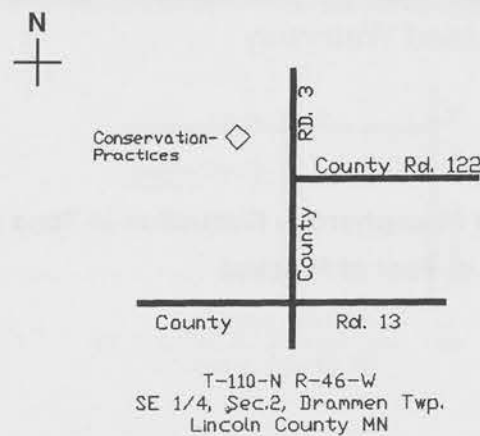
Soil or Phosphorous Reduction In Tons Per Year 170
 Surface Water Pollution Reduction In Tons Per Year 34
 Acres or Feet of Practice 1200 feet



CORY SIK

Conservation Tillage
 Integrated Crop Management

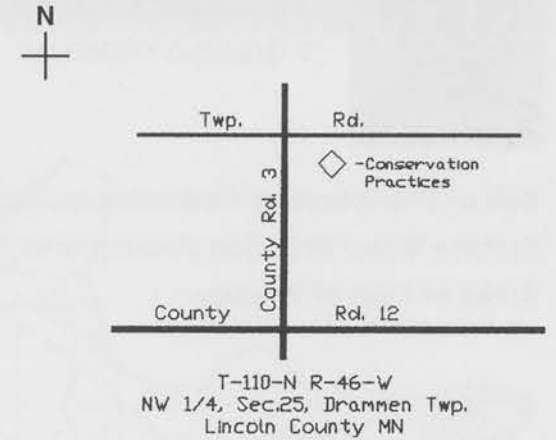
Soil or Phosphorous Reduction In Tons Per Year 285
 Surface Water Pollution Reduction In Tons Per Year 57
 Acres or Feet of Practice 155.9 acres



JAMES THOOF

Conservation Tillage
 Integrated Crop Management

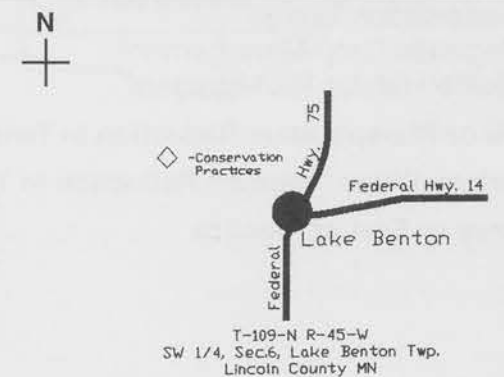
Soil or Phosphorous Reduction In Tons Per Year 230
 Surface Water Pollution Reduction In Tons Per Year 46
 Acres or Feet of Practice 59.2 acres



TRAUTMAN FARMS, INC.

Conservation Tillage
 Integrated Crop Management

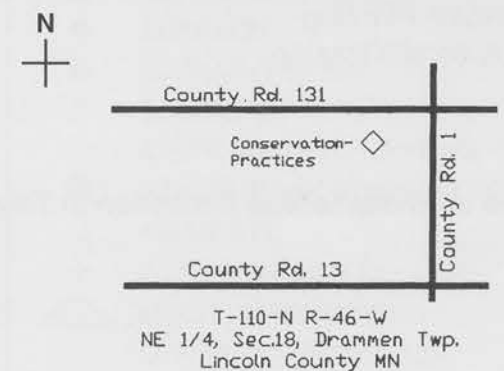
Soil or Phosphorous Reduction In Tons Per Year 810
 Surface Water Pollution Reduction In Tons Per Year 174
 Acres or Feet of Practice 121.5 acres



ANDY WEBER

Conservation Tillage
 Integrated Crop Management

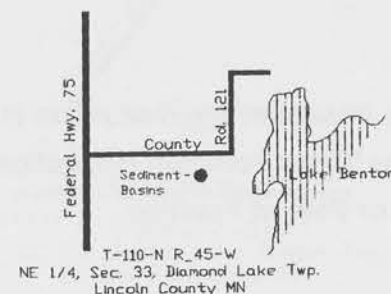
Soil or Phosphorous Reduction In Tons Per Year 184
 Surface Water Pollution Reduction In Tons Per Year 37
 Acres or Feet of Practice 108.7 acres





JOE WEBER

6 Sediment Control Basins
1 Grassed Waterway



Soil or Phosphorous Reduction In Tons Per Year 688
Surface Water Pollution Reduction In Tons Per Year 137.6
Acres or Feet of Practice 1.4 acres, 1800 feet basins

WEBER FARMS, INC. (JOE WEBER)

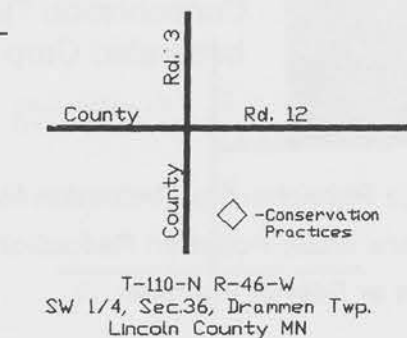
Conservation Tillage
Integrated Crop Management
Wildlife Habitat Management

Soil or Phosphorous Reduction In Tons Per Year 253
Surface Water Pollution Reduction In Tons Per Year 51
Acres or Feet of Practice 140.4 acres



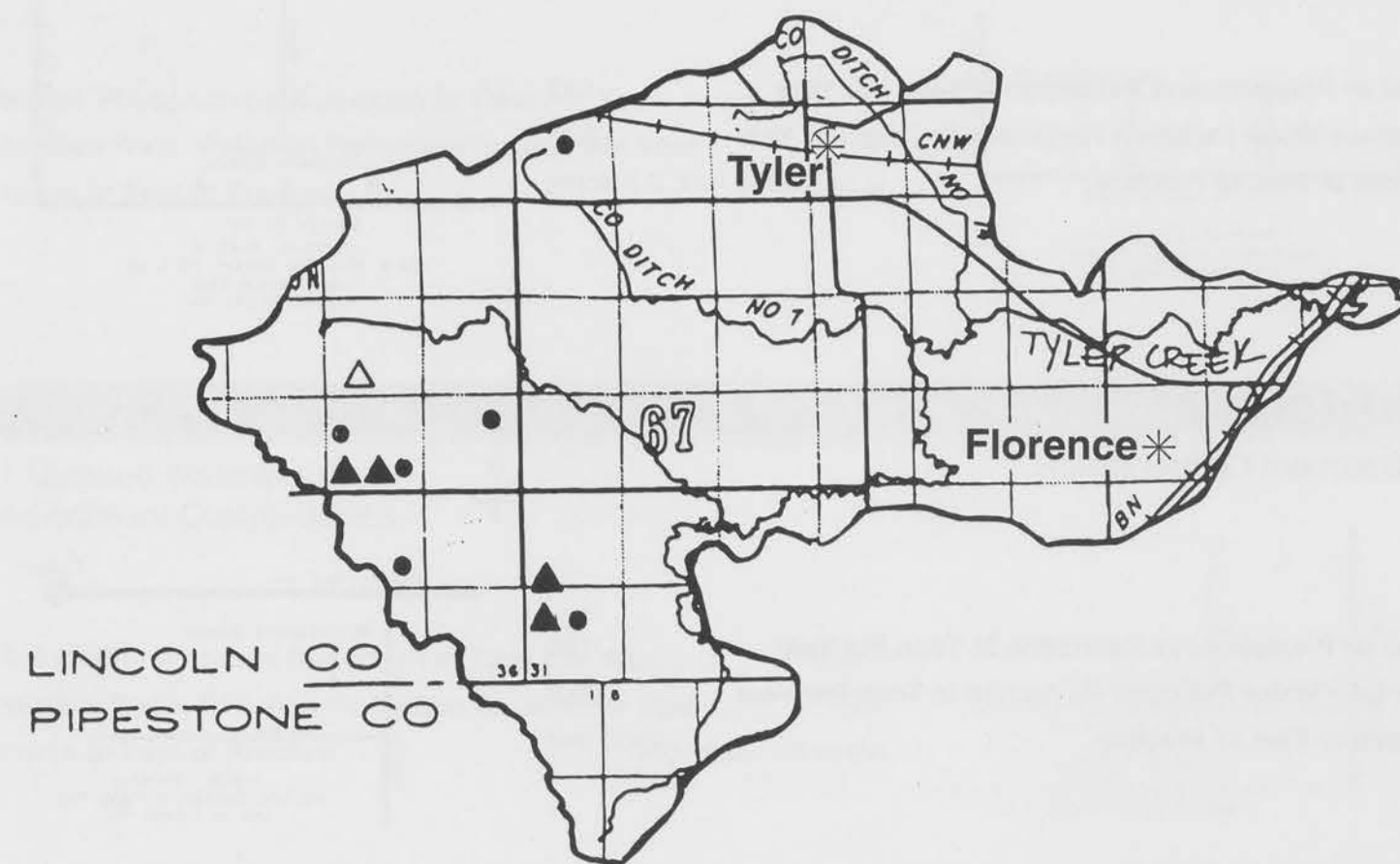
KEVIN WILLERT

Pasture Planting
Rotational Grazing



Soil or Phosphorous Reduction In Tons Per Year 153.5

TYLER CREEK SUB-WATERSHED



Tyler Creek is about 25 miles long, has a drainage area of 51 square miles and slopes 6.3 feet per mile.

Counties: Pipestone, Lincoln, Lyon

Towns: Tyler, Florence

Lakes: None

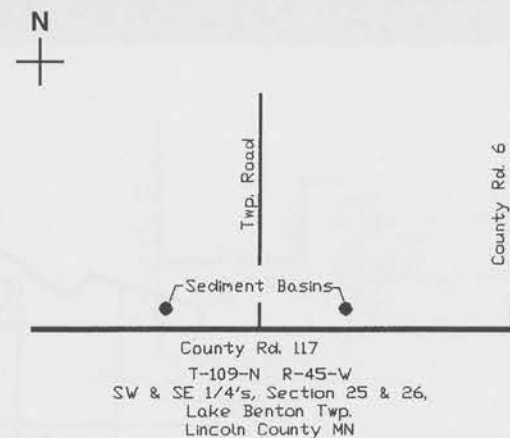
KEY

- * TOWNS
- ▲ GRASSED WATERWAY
- ◆ TERRACE
- SEDIMENT BASIN
- × DIVERSION
- CRITICAL AREA PLANTING
- STREAMBANK STABILIZATION
- △ AG WASTE
- + CONSERVATION TILLAGE
- ▬ MULTI-PURPOSE DAM
- ◇ OTHER CONSERVATION PRACTICES

WILLIAM ALDERSON

- 1 Sediment Control Basin
- 1 Grassed Waterway

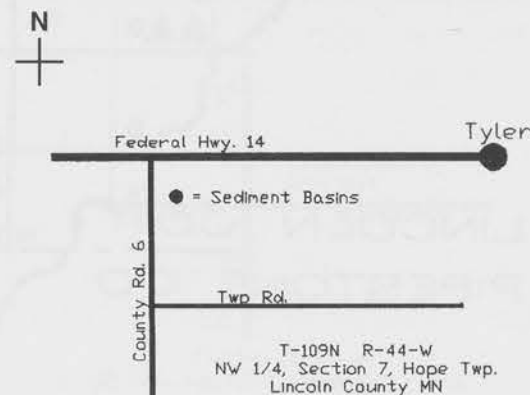
Soil or Phosphorous Reduction In Tons Per Year 613
 Surface Water Pollution Reduction In Tons Per Year 122.6
 Acres or Feet of Practice 3000 feet, 2.5 acres



TOM BRANDT

- 3 Sediment Control Basins

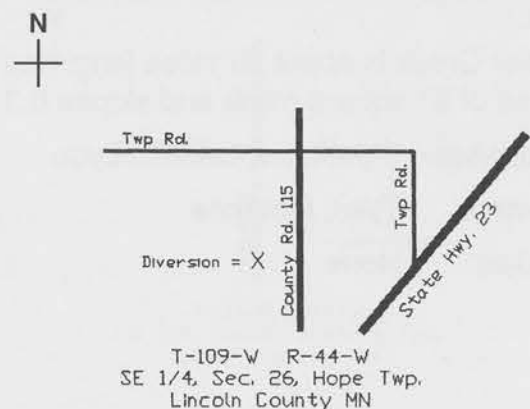
Soil or Phosphorous Reduction In Tons Per Year 153
 Surface Water Pollution Reduction In Tons Per Year 30.6
 Acres or Feet of Practice 1300 feet



ALFRED JESSEN

- 1 Diversion

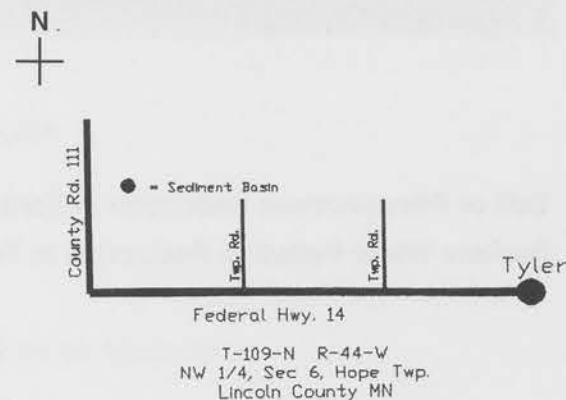
Soil or Phosphorous Reduction In Tons Per Year 379
 Surface Water Pollution Reduction In Tons Per Year 75.8
 Acres or Feet of Practice 1320 feet



CONSTANCE A. JOHNSON

- 1 Sediment Control Basin

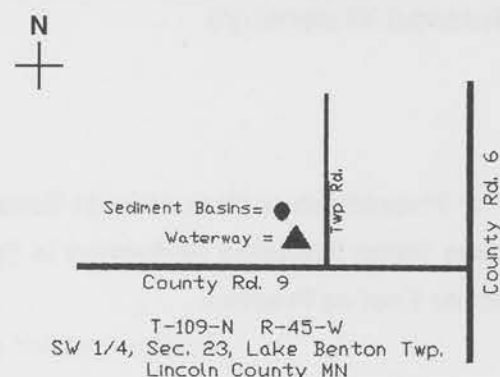
Soil or Phosphorous Reduction In Tons Per Year 8
 Surface Water Pollution Reduction In Tons Per Year 1.6
 Acres or Feet of Practice 645 feet



JACK JOHNSON

- 1 Grassed Waterway
- 4 Sediment Control Basins

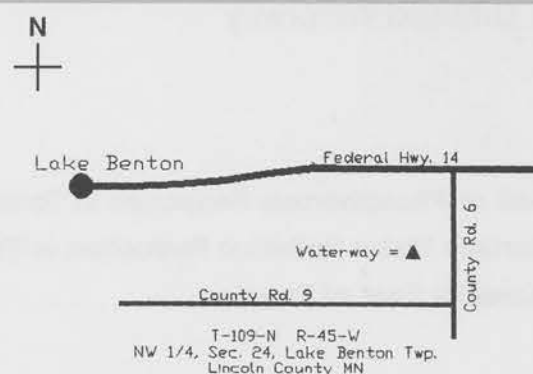
Soil or Phosphorous Reduction In Tons Per Year 1396.8
 Surface Water Pollution Reduction In Tons Per Year 14.4
 Acres or Feet of Practice 1500 feet, 2.2 acres



STEVE & ROGER KUHLMAN

- 1 Grassed Waterway

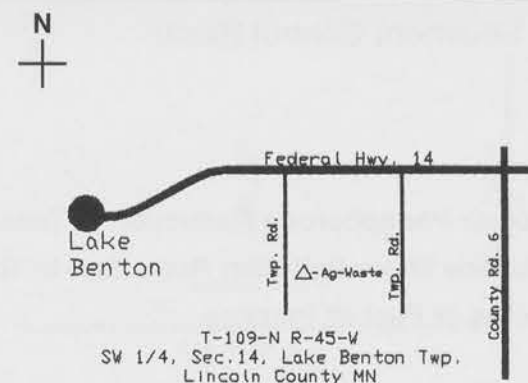
Soil or Phosphorous Reduction In Tons Per Year 1324.8
 Surface Water Pollution Reduction In Tons Per Year 122.6
 Acres or Feet of Practice 1.2 acres



DAVID LOPAU

1 Ag-Waste System

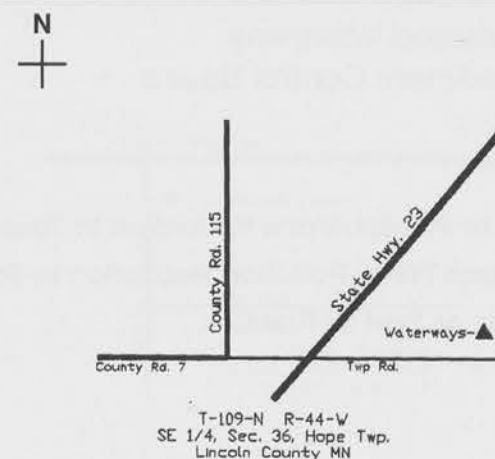
Soil or Phosphorous Reduction In Tons Per Year 2.34
Surface Water Pollution Reduction In Tons Per Year 0.468



BLAINE MARANELL

2 Grassed Waterways

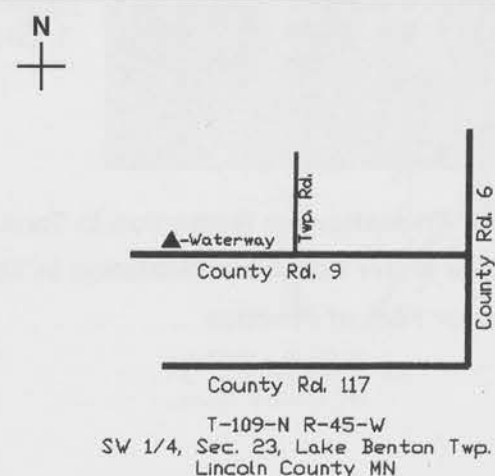
Soil or Phosphorous Reduction In Tons Per Year 1573
Surface Water Pollution Reduction In Tons Per Year 314.6
Acres or Feet of Practice 2.5 acres



HUBER SLEGGERS

1 Grassed Waterway

Soil or Phosphorous Reduction In Tons Per Year 1324.8
Surface Water Pollution Reduction In Tons Per Year 264.96
Acres or Feet of Practice 2.5 acres



ACKNOWLEDGEMENTS & PARTNERS

The Redwood River Clean Water Project

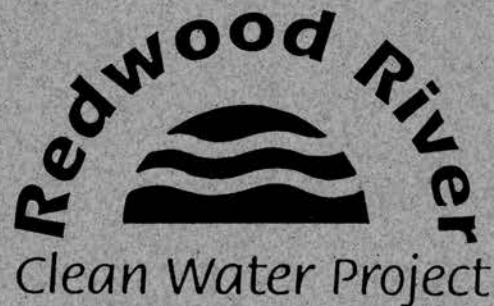
Is a joint effort of the following people and organizations.

- Citizens of the Redwood River Watershed
- Northwest Area Foundation
- Soil and Water Conservation Districts:
Brown, Cottonwood, Lincoln, Lyon, Murray, Pipestone, Redwood and Yellow Medicine
- Board of Water and Soil Resources
- Department of Natural Resources and the Redwood River Team
- Farm Service Agency
- Lake Redwood Improvement Association, Redwood Falls
- Lake Improvement For Everyone (LIFE), Lake Benton
- Minnesota Pollution Control Agency
- Area II, Minnesota River Basin Projects, Inc.
- Natural Resources Conservation Service
- RCRCA Member Counties:
Brown, Cottonwood, Lincoln, Lyon, Murray, Pipestone, Redwood and Yellow Medicine
- McKnight Foundation
- The Wetlands Initiative
- World Wildlife Fund

Board of Water and Soil Resources

Special Minnesota River Basin Funds

June 25, 1997



Redwood River Clean Water Project
Redwood-Cottonwood Rivers Control Area
(RCRCA)

1241 East Bridge Street
Redwood Falls, MN 56283
Phone: (507) 637-2142

Special Minnesota River Basin Grant Program Funds and the Redwood River Clean Water Project

Summary

The Redwood River Clean Water Project relies on financial support from several sources to meet Project goals and objectives. Major program elements of the Project include cost share and technical assistance to design and install best management practices; ongoing water quality monitoring of the lake, river and two tributaries; and an information/education program directed at watershed residents, urban and rural.

The Project is structured so that each of these program elements complement and enhance one another. Independently, any one of these elements would have limited impact on water quality in the Redwood River, but together they build a strong nonpoint source pollution control program.

For the combined fiscal years '94-'97, \$649,287 was made available to the Project through the Minnesota River Basin Grant Program. Up to twenty percent of that amount (\$129,857) has or will be used for technical assistance. The remainder (\$519,430) is used to provide up to seventy-five percent cost share for design and installation of conservation practices. Over ninety percent of these funds will be encumbered by the end of the current fiscal year.

The technical assistance portion of the grant allows employment of a technician to supplement technicians hired through a Section 319 grant, and purchase of equipment needed for survey work. The Natural Resources Conservation Service (NRCS) has provided Project employees with technical training and access to federal vehicles thereby increasing their performance and effectiveness. Monitoring and evaluation activities are supported by local and Section 319 funds. The information and education components of the Project along with promotional and outreach activities are funded by a grant from the Northwest Area Foundation. An integral part of the outreach component supported by the Foundation is the opportunity it provides to personally contact and work with farmers within priority management areas of the Redwood River watershed.

Availability of cost share funds allows technicians to more effectively assist watershed farmers in achieving Project goals and objectives. As a result of watershed assessments completed between 1990-1993, the cost share program is being directed at land within three priority management areas: Clear Creek, Three Mile Creek, and the main stem corridor of the river from Marshall to Redwood Falls. Norwegian Creek, the principal watershed of Lake Benton, has emerged as a fourth priority area as a result of implementation activities over the past two years.

RRCWP COST SHARE PROGRESS

1994 COST SHARE ALLOCATION DECEMBER 31, 1995 DEADLINE	\$ 185,000.00
Technical and Administrative	\$ (37,000.00)
BMP Implementation	\$ 148,000.00

	\$	# of Applications	Only Approved	Surveyed & Designed	Started Broke ground	Completed Paid out
Waterways (412)	\$ 33,659.75	9		1	2	6
Sediment control basin (638)	\$ 55,800.41	10		4	4	2
Ag-waste (312)	\$ -	0				
Stream bank road side stab.(580)	\$ 5,500.00	2			2	
Terrace (600)	\$ 3,750.00	1		1		
Dam,Multipurpose (349)	\$ 7,621.25	2		1	1	
Amendments*	\$ 14,834.04					
TOTALS	\$ 121,165.45	24	0	7	9	8
Sent back to St. Paul	\$ 26,834.55					

Current Balance

Project(s) Completed	8	\$ 30,219.16
Partial Payments	4	\$ 10,612.63
Amendments		\$ 14,834.04
Total paid out:		\$ 55,665.83

1995 COST SHARE ALLOCATION JUNE 30,1995 DEADLINE	\$ 220,000.00
Technical and Administrative	\$ (44,000.00)
BMP Implementation	\$ 176,000.00

	\$	# of Applications	Only Approved	Surveyed & Designed	Started Broke ground	Completed Paid out
Waterways (412)	\$ 46,907.95	12			1	11
Sediment control basin (638)	\$ 27,286.89	5			3	2
Diversion (362)	\$ 4,425.00	1			1	
Critical Area Planting (342)	\$ 1,353.48	1				1
Ag-waste (312)	\$ 30,250.00	2		1		1
Stream bank road side stab.(580)	\$ 5,250.00	1				1
Amendments*	\$ 491.00					
TOTALS	\$ 115,964.32	22	0	1	5	16
Sent back to St. Paul	\$ 60,035.68					

Current Balance

Project(s) Completed	16	\$ 84,567.32
Partial Payments	0	\$ -
Amendments		\$ 491.00
Total paid out:		\$ 85,058.32

RRCWP COST SHARE PROGRESS

1996 COST SHARE ALLOCATION JUNE 30,1996 DEADLINE	\$ 184,287.00
Technical and Administrative	\$ (36,857.00)
BMP Implementation	\$ 147,430.00

	\$	# of Applications	Only Approved	Surveyed & Designed	Started Broke ground	Completed Paid out
Waterways (412)	\$ 30,154.00	10	5	3		2
Sediment control basin (638)	\$ 52,857.25	8	1		6	1
Diversion (362)	\$ -					
Critical Area Planting (342)	\$ 1,527.61	1				1
Ag-waste (312)	\$ 30,000.00	1		1		
Stream bank road side stab.(580)	\$ -					
Terrace (600)	\$ 8,850.00	1		1		
Amendments*	\$ 4,723.36					
TOTAL	\$ 128,112.22	21	6	5	6	4
Sent back to St. Paul	\$ 19,317.78					

Current Balance \$ -

Project(s) Completed	3	\$ 12,803.86
Partial Payments	0	\$ -
Amendments		\$ 4,723.36
Total paid out:		\$ 17,527.22

1997 COST SHARE ALLOCATION JUNE 30,1999 DEADLINE **	\$ 60,000.00
Technical and Administrative	\$ (10,000.00)
BMP Implementation	\$ 50,000.00

	\$	# of Applications	Only Approved	Surveyed & Designed	Started Broke ground	Completed Paid out
Sediment control basin (638)	\$ 12,268.56	3	2	1		
Waterways (412)	\$ 17,831.48	4	3			1
Diversion (362)	\$ -					
Critical Area Planting (342)						
Ag-waste (312)						
Stream bank road side stab.(580)	\$ -					
Terrace (600)						
Amendments*	\$ 17,875.44					
TOTAL	\$ 47,975.48	7	5	1	0	1
Sent back to St. Paul	\$ -					

Current Balance \$ 2,024.52

Project(s) Completed	1	\$ 7,350.23
Partial Payments		\$ -
Amendments		\$ 4,846.44
Total paid out:		\$ 12,196.67
Slippage available for re-encumbrance until 6/30/98.		\$ 2,024.52

RRCWP COST SHARE PROGRESS

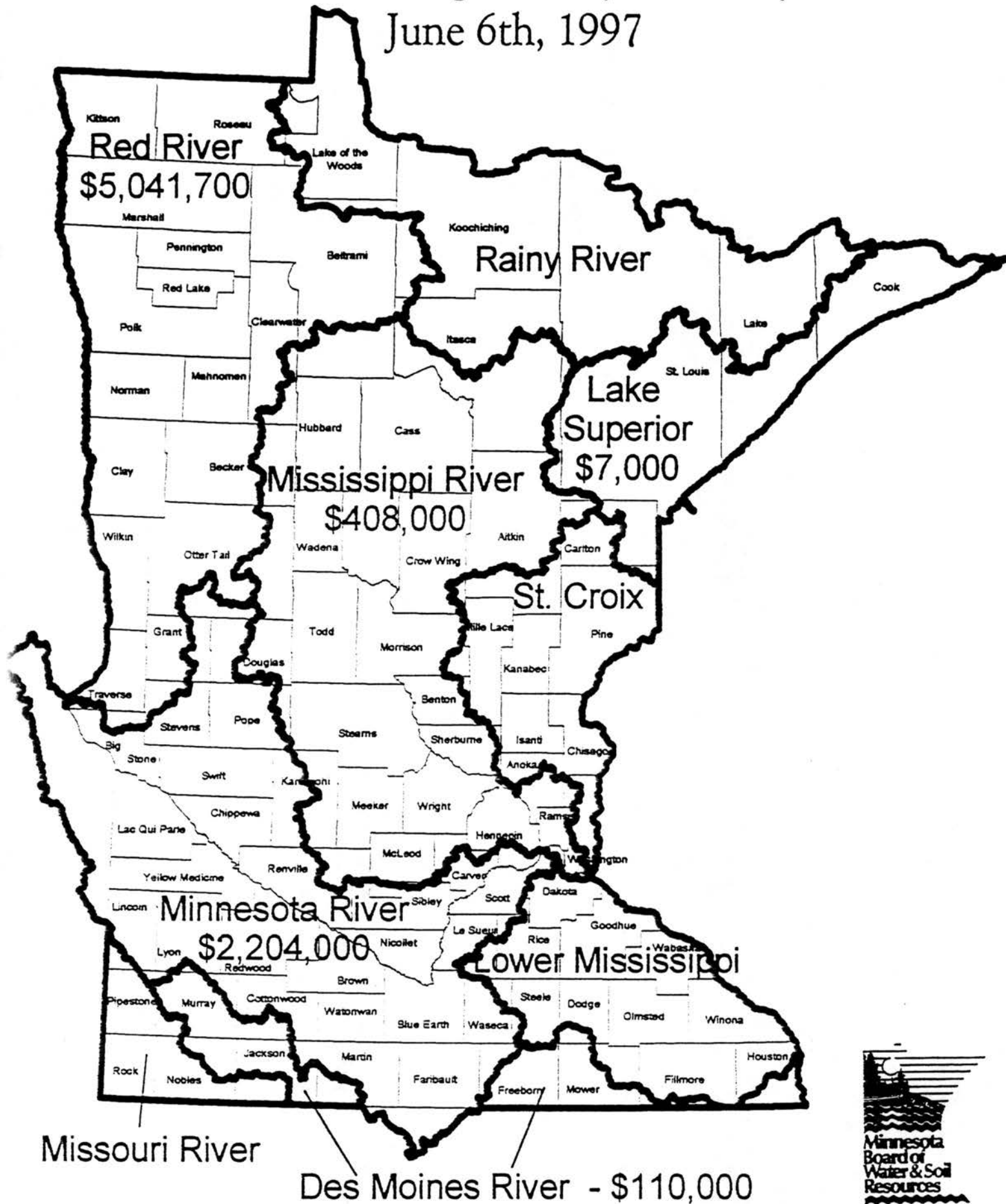
ACP COST SHARE ENCUMBERED	\$ 100,828.00
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	\$	# of Applications	Encumbered Cost Share	Surveyed & Designed	Started <i>Broke ground</i>	Completed <i>Paid out</i>
Waterways (412)	\$ 53,452.00	17			2	15
Sediment control basin (638)	\$ 8,876.00	4				4
Diversion (362)	\$ -					
Critical Area Planting (342)						
Ag-waste (312)	\$ 38,500.00	1				1
Stream bank road side stab.(580)	\$ -					
Terrace (600)						
TOTAL	\$ 100,828.00	22	0	0	2	20

Current Balance	\$ 14,585.00
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Project(s) Completed	20	\$ 86,243.00
Total paid out:		\$ 86,243.00

Ag Erosion Flood Damage Survey Summary June 6th, 1997



AG EROSION FLOOD DAMAGE SURVEY SUMMARY AS OF JUNE 6, 1997

BWSR

SWCD/WD/WMO	NUMBER OF LANDOWNERS	STATE COST SHARE FUNDS NEEDED	RIM RESERVE FUNDS NEEDED	OTHER	PREVIOUS STATE/ FEDERAL FUNDING	TOTAL FUNDS
BECKER	2	\$4,000	\$0	\$0	YES	\$4,000
BIG STONE	9	\$162,000	\$6,000	\$0	YES	\$168,000
BROWN	2	\$0	\$125,000	\$0		\$125,000
CARLTON	0	\$0	\$0	\$0		\$0
CHIPPEWA	24	\$110,000	\$944,000	a \$100,000		\$1,154,000
CLAY	175	\$2,468,000	\$0	b \$60,000		\$2,528,000
COTTONWOOD	0	\$0	\$0	\$0		\$0
CROW WING	6	\$30,000	\$0	\$0		\$30,000
JACKSON	0	\$0	\$0	\$0		\$0
KOOCHICHING	0	\$0	\$0	\$0		\$0
LAKE OF THE WOODS	0	\$0	\$0	\$0		\$0
MAHNOMEN	4	\$9,700	\$0	\$0	YES	\$9,700
MARINE WD	0	\$0	\$0	\$0		\$0
MARSHALL	5	\$40,000	\$59,000	\$0		\$99,000
MURRAY	2	\$110,000	\$0	\$0		\$110,000
N. CANNON RIVER WMO	0	\$0	\$0	\$0		\$0
N. FORK CROW RIVER WD	8	\$378,000	\$0	\$0		\$378,000
OTTER TAIL		\$500,000				\$500,000
PELICAN RIVER WD		\$500,000				\$500,000
RAMSEY-WASH. WD	0	\$0	\$0	\$0		\$0
RED LAKE	25	\$251,000	\$0	\$0	YES	\$251,000
RED LAKE WD		\$0	\$0	c \$1,150,000		\$1,150,000
REDWOOD	4		\$298,000	\$0		\$298,000
RENVILLE	6	\$0	\$280,000	\$0		\$280,000
ROCK	0	\$0	\$0	\$0		\$0
SHERBURNE	0	\$0	\$0	\$0		\$0
SWIFT	21	\$5,000	\$787,000	\$0	YES	\$792,000
						(OVER)

AG EROSION FLOOD DAMAGE SURVEY SUMMARY AS OF JUNE 6, 1997

BWSR

SWCD/WD/WMO	NUMBER OF LANDOWNERS	STATE COST SHARE FUNDS NEEDED	RIM RESERVE FUNDS NEEDED	OTHER	PREVIOUS STATE/ FEDERAL FUNDING	TOTAL FUNDS
S. ST. LOUIS	2	\$7,000	\$0	\$0		\$7,000
TWO RIVERS WD	10	\$85,000	\$0	\$0		\$85,000
WATONWAN	13	\$0	\$201,000	\$0	YES	\$201,000
WRIGHT	0	\$0	\$0	\$0		\$0
YELLOW MEDICINE	7	\$156,000	\$30,000	\$0		\$186,000
TOTALS	325	\$4,815,700	\$2,730,000	\$1,310,000		\$8,855,700

FOOTNOTES:

- a) DRAINAGE DITCH REPAIRS
- b) RIVER DEBRIS REMOVAL
- c) \$150,000 - CONSTRUCT 5 RING DIKES, \$1,000,000 - CONSTRUCT 4 IMPOUNDMENT STRUCTURES



ANNUAL PLAN FOR FISCAL 1998 (JULY 1, 1997 - JUNE 30, 1998)



AREA II ANNUAL PLAN FISCAL 1998

> FUNDING

		<u>25% Match</u>
Anticipated Annual Allocation from the State	\$189,000.00	
Technical Services Agreement (details on Attachment I)	(120,731.25)	\$ 40,243.75
Available Project Funds	(68,268.75)	22,756.25
Bonding Allocation for Road Retentions (FY 1997 & 1998) Balance	<u>196,875.00</u>	<u>83,333.33</u>
FUNDING AVAILABLE FOR FISCAL 1998	\$385,875.00	\$146,333.33 = \$532,208.33

> 1998 WORK PLAN

Office staff: Kerry Netzke, full-time Coordinator;
 Billy Thomas, full-time Professional Engineer;
 Joe DeSchepper, full-time Engineering Technician - May graduate from STC-Canby majoring in Soil & Water Conservation; and
 Roxie Serreyn, part-time Administrative Secretary.

Focus: Technically, Area II will continue to focus on providing a service to the member counties that they cannot provide for themselves - hydrologic and hydraulic analyses for bridge and culvert replacements. With Thomas leading the technical effort with his 30+ years of experience, a solid effort to establish a strong, working relationship with the county engineers is underway which emphasizes the proven benefits, ease of construction, and cost savings of incorporating road retentions into their scheduled road improvement and bridge replacement plans. Area II also provides engineering inspection services to watershed districts and townships which cannot perform these duties. Netzke provides oversight of the day-to-day operations of the technical office as well as maintaining contact with all member counties, other sponsoring entities, and state and federal agencies; keeps the Board of Directors abreast on important issues requiring action; establishes and monitors office and project budgets; facilitates grant agreements; and project management responsibilities.

Administratively, the office will continue to promote flood damage reduction and holistic watershed management through:

- > Allocation of funding to eligible projects within Area II paying particular attention to maintaining the near 50/50 cost-share standard similar to DNR programs, yet having the flexibility of 75/25 cost-share (*refer to Attachment II for the updated listing of past cost-share funding scenarios*)
- > Participation in MRBJP, RCRCA, Cottonwood Basin Association, Redwood River Area Association, and watershed district functions;
- > Facilitation of controversial discussions, such as the Marshall Flood Control Project and Lake Cochrane, to promote forward directions;
- > Education of county commissioners and area legislators through annual Legislative Breakfast presentations and annual visits;
- > Review and comment of the Comprehensive Local Water Plan updates and participation in the Water Task Force gatherings;
- > Meetings with the county engineers to provide hands-on training of road retention design and investigation of potential project sites;
- > Inter-agency communication and cooperation through scheduled Memorandum of Understanding meetings between Area II, DNR, and MPCA;
- > Continued monitoring of in-place projects to establish distinct correlations between water quality changes and land use within the watersheds.

All works are done in accordance with the established Area II MN River Basin Strategic Plan, Operating Policies, By-Laws, and Articles of Incorporation. Project efforts follow the goals and objectives set by the individual counties as reflected in their respective Comprehensive Local Water Plans.

Scheduled: The primary efforts of the office staff will be on the feasibility, design, and installation of road retention structures within the nine county area. The larger retention projects, including LQP-25 [Lazarus Creek] and the Peterson Dam, will share top priority while acknowledging the rules of state and federal agencies. Project prioritization includes: feasibility, cost, local support, emergency situations (such as bridge failures) and timing with scheduled construction plans. The following list depicts the projects which are currently scheduled for technical assistance.

PRIORITIZED LIST OF ROAD RETENTION PROJECTS

> HIGH PRIORITY

- ☆ Hansonville Township Section 23 - Lincoln County
- Gales Township Section 23 - Redwood County
- ☆ Northeast Murray County
- ☆ Yellow Bank Township Section 11 - LQP County
- ☆ Amboy Township Section 8 - Cottonwood County
- ★ ☆ Ann Township Section 6 - Cottonwood County
- ★ ☆ Monroe Township Section 24 - Lyon/Redwood Counties
- ☆ Hansonville Township Section 8 - Lincoln County
- ★ ☆ Fortier Township Section 15 - Yellow Medicine County
- ★ Rock Lake Township Section 21 - Lyon County
- ★ Hendricks Township Section 8 - Lincoln County

> MEDIUM PRIORITY

- North Hero Township Section 10 - Redwood County
- Eidsvold Township Sections ½ - Lyon County
- Alta Vista/Limestone Townships - Lincoln County
- Five Year Highway Improvement Plans
- Sherman Township Sections 21/22 - Redwood County
- Sherman Township Section 26 - Redwood County
- Gales Township Section 21 - Redwood County
- Fortier Township Section 1 - Yellow Medicine County
- Florida Township Sections 19,20,29,30 - Yellow Medicine
- Shoakotan Township Section 11 - Lincoln County
- Shoakotan Township Section 14 - Lincoln County

> LOW PRIORITY

- Yellow Medicine CSAH 4 - Yellow Medicine County
- Springdale Township Section 27 - Redwood County
- Springdale Township Section 21 - Redwood County
- Garfield Township Section 18 - LQP County

Project Status

- Design Phase-awaiting final survey
- Awaiting finalization of land acquisition
- Investigate watershed with several bridges replacements
- Preliminary Design Phase
- Preliminary Design
- Modify existing structure
- Preliminary Design Phase
- Preliminary Design Phase
- 1997 Construction
- 1997 Construction
- Preliminary Design

Funding Status

- Expected FY 1998
- Funded FY 1995
- Expected FY 1998
- Expected FY 1998
- Expected FY 1998
- Expected FY 1998
- Expected FY 1998
- Expected FY 1998
- Funded FY 1997
- Funded FY 1997
- Expected FY 1998

Project Status

- Preliminary Design Phase
- Preliminary Design Phase
- Several sites in Preliminary Design Phase
- Consultations with County Engineers
- Data Collection Phase
- Data Collection Phase
- Data Collection Phase
- Data Collection Phase
- Data Collection Phase - Bridge replacement
- Data Collection Phase - Bridge replacement

Funding Status

- Anticipated FY 1998
- Anticipated FY 1998

Project Status

- Questionable Feasibility
- Data Research Phase
- Data Research Phase
- Data Research Phase

★ Signifies project is to be completed in 1997 and funded.

☆ Signifies project is most likely to receive Bonding funds.

PRIORITIZED LIST OF LARGE PROJECTS

> LQP-25 [LAZARUS CREEK]

Project Sponsors - Lac qui Parle-Yellow Bank Watershed District and Yellow Medicine County.

Project Status - The Environmental Assessment Worksheet 30-day comment period expired May 6, 1997. For the Record of Decision, a negative declaration was made in May (i.e. no Environmental Impact Statement is warranted.) The sponsor has submitted the DNR permit application and has received a conditional approval pending completion of final design. Area II, along with the sponsors, will begin requesting proposals for final immediately utilizing Area II's project funds to finance the engineering.

Funding Status - \$1,200,000.00 An attempt to secure 1997 General Appropriations funds was made for the construction, engineering, and land acquisition. (Land rights on 200 acres were previously acquired with approximately 10 acres left to acquire.) Since the 1997 attempt was not successful, A 1998 bonding request for the same amount will be requested. A tentative start date for construction is summer 1998 pending land acquisition and final design.

> PETERSON DAM

Project Sponsor - Murray County

Project Status - Preliminary design underway while considering the surrounding watershed for several planned bridge replacements in the next few years. Should some of these bridges be eligible as road retentions, dam design constraints would be altered.

Funding Status - \$350,000.00 Estimated bonding sought from the 1998 legislature.

RW-22 [ON HOLD]

Project Status -

Permit application to the DNR was denied due to unresolved wetland issues and no agreement to principle spillway outlet size. Following this decision, the Corps of Engineers and MPCA denied the permits without prejudice. Lyon County, the project sponsor, chose to no longer pursue the project in Fall 1996 given the current constraints. DNR and others continue to support construction of the project with DNR's recommended outlet configuration, however, Lyon County and the Area II member counties may not be willing to fund a project design with minimal flood control characteristics.

Funding Status -	\$250,500.00	General Appropriations to be used for engineering design. Balance: \$27,566.67 [expired]	Match Spent: \$93,398.30.
	\$250,000.00	Bonding earmarked for land acquisition <u>only</u> from 1993 legislative session. Balance: \$250,000.00	*Match: \$83,333.33 Obtained December 1994
		> It is anticipated that this bonding authority will be canceled in 1998 due to lack of project progress.	
	\$800,000.00	Bonding earmarked for land acquisition <u>only</u> from 1994 legislative session Balance: \$800,000.00	*Match: \$88,888.88 Obtained December 1995. \$88,888.88 Obtained June 15, 1996. \$88,888.88 Due June 15, 1997.

* Local match is intended to be transferred to the LQP-25 [Lazarus Creek] project.

ROAD RETENTION BONDING FUNDS STATUS

FISCAL 1997 - 1998

- **APPROPRIATED AMOUNT:** \$ 250,000.00 (\$ 196,875.00 Balance)
- **STATUS OF 25% LOCAL MATCH:** \$83,333.33 remains committed; \$ (-12,853.45 Balance)
Local match spent to date has surpassed the \$83,333.33 by \$12,853.45. The original commitment of \$83,333.33 remains for the other projects.
- **APPROPRIATION LANGUAGE:** For grant-in-aid on roadside storm water retention projects initiated by local governments in Area II in the Minnesota River Basin.
- **PROJECT STATUS:** Of the nine projects outlined on the 1997 Work Plan for LCMR, the Lyons 3 Retention within Lyon County was completed in Fall 1996. The table below illustrates this status and the tentative projects for the next LCMR Work Plan update scheduled for August 1997.

PROJECT	STATE SHARE	LOCAL SHARE	TOTAL	COMPLETION DATE
Hansonville 23 Road Retention	\$ 36,875.00	\$12,291.67	\$ 49,166.67	Summer 1998
Hendricks 8 Road Retention	\$ 30,000.00	\$ 10,000.00	\$ 40,000.00	Summer 1997
Lyons 3 Road Retention	\$ 53,125.00	\$ 96,186.78	\$ 149,311.78	November 1996
Monroe 24 Road Retention	\$ 40,000.00	\$13,333.33	\$ 53,333.33	Summer 1997
Amboy 8 Road Retention	\$ 22,500.00	\$ 7,500.00	\$ 30,000.00	Summer 1998
Ann 6 Road Retention Modification	\$ 11,250.00	\$ 3,750.00	\$ 15,000.00	Summer 1997
	\$ 26,250.00	\$ 8,750.00	\$ 35,000.00	Summer 1998
Fortier 15 Road Retention	\$ 30,000.00	\$10,000.00	\$ 40,000.00	Summer 1997
TOTALS				
Initial	\$ 250,000.00	\$ 83,333.33	\$ 333,333.33	
Updated		\$161,811.78	\$411,811.78	
REMAINING BALANCE	\$ 196,875.00	\$ 83,333.33	\$ 280,208.33	

ATTACHMENT II

PAST FUNDING SCENARIOS FOR COST SHARED ROAD RETENTION PROJECTS

Project Name	Funding Year	Total Project Cost	State Funding	Federal Funding	Local Funding	Total Funding
Rock Lake 21 Road Retention	Summer 1997 Lyon County	\$162,000.00	\$69,400.00 (42.8%)	\$0.00	\$23,150.00 (14.3%)	\$69,400.00 (42.8%)
Fortier 15 Road Retention	Summer 1997 Yellow Med. Co.	\$41,136.10	\$11,136.10 (27.1%)	\$0.00	\$0.00	\$11,136.10 (27.1%)
Lyons 3 Road Retention	Fall 1996 Lyon County	\$202,408.30	\$85,742.61 (42.4%)	\$53,125.00 (26.2%)	\$10,444.17 (5.2%)	\$149,311.78 (73.8%)
North Hero 31 Redwood County	Fall 1996 Redwood County	\$103,820.59	\$4,401.17 (4.2%)	\$53,445.00 (51.5%)	\$7,080.83 (6.9%)	\$64,927.00 (62.6%)
Nordland 30/29 Road Retention	Summer 1996 Lyon County	\$30,172.15	\$4,672.15 (15.5%)	\$0.00	\$0.00	\$4,672.15 (15.5%)
Carlson Small Dam	Summer 1996 Lincoln County	\$12,006.75	\$5,878.37 (49.0%)	\$2,378.38 (19.8%)	\$0.00	\$8,256.75 (68.8%)
Nordland 7 Road Retention	Summer 1996 Lyon County	\$82,487.65	\$26,487.65 (32.1%)	\$25,000.00 (30.3%)	\$0.00	\$51,487.65 (62.4%)
Lake Stay 9 Road Retention	Summer 1996 Lincoln County	\$142,030.00	\$15,200.00 (10.7%)	\$93,500.00 (65.8%)	\$6,250.00 (4.4%)	\$114,950.00 (80.9%)
Gorecki-Jeremiason Road Retention	Fall 1995 Lincoln County	\$107,770.00	\$77,270.00 (71.7%)	\$1,000.00 (0.9%)	\$6,875.00 (6.4%)	\$85,145.00 (79.0%)
Hendricks 35 Road Retention	Fall 1995 Lincoln County	\$94,594.43	\$9,283.93 (9.8%)	\$59,508.37 (63.0%)	\$4,473.00 (4.7%)	\$73,265.30 (77.4%)
Storden 2 Road Retention	Summer 1995 Cottonwood County	\$16,570.00	\$8,844.00 (53.3%)	\$0.00	\$1,926.00 (9.7%)	\$10,770.00 (64.5%)
CSAH 16 Road Retention	Fall 1994 Yel. Med. Co.	\$15,846.91	\$5,324.91 (33.6%)	\$0.00	\$0.00	\$5,324.91 (33.6%)
County Road 57 Road Retention	Fall 1994 Lyon County	\$268,375.00	\$130,000.00 (48.5%)	\$140,000.00 (52.2%)	\$19,087.18 (7.1%)	\$289,087.18 (107.7%)

ATTACHMENT II						
PAST FUNDING SCENARIOS FOR COST SHARED ROAD RETENTION PROJECTS						
CSAH 19 Road Retention	Fall 1994 Lincoln County	\$140,000.00		\$18,457.18 (13.2%)	\$55,000.00 (39.3%)	
TOTALS		\$1,216,081.78				

NOTE: ¹ Water Plan Base Grant funds; ² MNDOT funds; ³ DNR FDR Grants funds; ⁴ BWSR Challenge Grant Funds; ⁵ Road Retention Bonding Funds

ATTACHMENT I

FISCAL 1998 TECHNICAL OFFICE BUDGET

OFFICE OPERATIONS

Personal Services:

Directors' Compensation.....	\$ 11,000.00
Directors' FICA.....	1,000.00
Employees' Salaries.....	101,550.00
Employees' FICA.....	7,800.00
Employees' Medical Insurance.....	5,625.00
Employees' Retirement.....	<u>4,500.00</u>
Total Personal Services.....	\$ 131,475.00

Supplies:

Office.....	\$ 2,000.00
Field.....	1,000.00
Capital Outlay.....	<u>1,000.00</u>
Total supplies.....	\$ 4,000.00

Other Services and Costs:

Directors' Expenses.....	\$ 5,500.00
Employees' Expenses.....	2,000.00
Continuing Education.....	1,000.00
Professional Services.....	2,000.00
Maintenance & Repairs.....	1,000.00
Telephone.....	1,000.00
Postage.....	1,500.00
Vehicle Expense.....	2,500.00
Director's Insurance.....	2,000.00
Other Insurance.....	6,000.00
Rent.....	6,500.00
Miscellaneous & Other Expenses.....	4,000.00
Miscellaneous Expenses - Directors.....	<u>100.00</u>
Total Other Services and Costs.....	\$ 35,100.00

TOTAL OFFICE OPERATIONS..... \$ 170,575.00

INVESTIGATION & TESTING EXPENSES

Subsurface Investigations.....	\$ 0.00
Other Technical Services and Testing.....	<u>10,000.00</u>
TOTAL INVESTIGATION & TESTING.....	\$ 10,000.00

TOTAL AMOUNT BUDGETED..... \$ 180,575.00

Total Ineligible for Cost-Share by the State..... 19,600.00*

Total Eligible for Cost-Share by the State..... \$ 160,975.00

STATE SHARE OF ELIGIBLE COSTS..... \$ 120,731.25 (75%)

Local Share of Eligible Costs..... 40,243.75 (25%)

Costs Ineligible for Cost-Share..... 19,600.00*

NET BUDGETED LOCAL COSTS..... \$ 59,843.75

** These items not cost-shared by the State.*

Friday, June 13, 1997

To: board members
From: Marybeth Block

Below please find a synopsis of the staff comments on the strategic plan. On the back page is examples of other mission statements along with staff's suggested changes to the BWSRs'. At the meeting Jim and I would like to review the comments and, now that you have had time to review the draft, get your reactions. Finally, we hope to frame up an agenda for a more in-depth discussion in July.

Overall: Generally, the comments were supportive and complimentary; however it was noted that it does not fit the traditional mold of a typical strategic planning that identifies goals and objectives aimed at carrying out the mission statement. But given the board's programs and the need to be responsive to clientele, the legislature specific and the budget process, long range implementation strategies are not effective. Consensus was that the document does a good job of communicating the board's mission, guiding principles and general strategies. The document serves as a good foundation to guide regional strategic plans, program plans and position plans.

It was suggested that the strategic plan address our agency's intent regarding the size, organizational culture and management style. Management style is an important asset and perhaps should be addressed more directly in our strategic plan.

Mission Statement: See back of page for examples of advisory members' and partners' mission statement and examples proposed by staff.

Board Tenants: Emphasize stronger (into comprehensively and collaboratively) that much of what gets done is because of the efforts of local government. Cite the state - local partnership of local water planning : the state provides technical assistance and funding, locals set priorities and implement. Don't draw a distinction between LGUs organized along political boundaries and ones that are not. The last sentence should not be buried - mission statement material?

Minnesota's Resources: Up-to-date and relevant. Add visuals to depict prime farmland, and erosion rates.

The board's vision: Don't confuse vision statements and mission statements. Vision statements are the imagines, the utopian ideals to work toward, a mission statement is a specific task(s) to carry out that may help achieve the vision.

Trends: Eliminate managing resources at the watershed level (felt that it was covered previously). Redefining rural Minnesota should focus on the change in land ownership and variety of agricultural operations.

Technology piece needs to be expanded on, incorporated somewhere else or deleted.

Strategies: Good and simple. May need to emphasize that we need to be prepared to react to local priorities. Reword to remove "we". Consider bullet format. Label as guiding principles rather than strategies. Remove last paragraph - vague. BWSR has never officially received lead agency status with regard to soil conservation. Add water quality to list in first sentence.

Board Responsibilities: Good to have in one place

General: Add table of contents and introduction explaining the intent of the document. Consider renaming. Evaluate frequently. Be committed to and carry out the more specific plans - regional strategic plans and program plans.

On the subject of missions statements...

Advisory Members:

The MPCA mission is to protect Minnesota's environment to secure the quality of life of its citizens.

DNR Vision: "We will work with people to manage the state's diverse natural resources for a sustainable quality of life.

The mission of the University of MN Extension Service is to involve people in improving the quality of life and enhancing the economy and the environment through education, applied research and the resources of the University of Minnesota.

The Minnesota Department of Agriculture mission is to work toward a diverse agricultural industry that is profitable as well as environmentally sound; to protect the public health and safety regarding food and agricultural products; and to assure orderly commerce in agricultural and food products.

The mission of the Department of Health is to protect, maintain and improve the health of all Minnesotans." "The mission of the Division of Environmental Health is to reduce and prevent the occurrence of environmentally induced disease and injury. In this regard, the division acts as an advocate and protector of public health. It is the principal agency of state government charged with the responsibility of protecting the public health from exposures to environmental hazards."

Partners and others:

NRCS Mission: Providing national leadership in a partnership effort to help people conserve, improve, and sustain our natural resources and environment.

MASWCD: It is the mission of the Minnesota Soil and Water Conservation Districts to provide a common voice of the 91 Soil and Water Conservation Districts as we protect and enhance Minnesota's soil, water, and other natural resources: to nurture a conservation ethic and protect the economic base by educating current and future generations on conservation and environmental issues.

Minnesota Project Our mission is to work with rural people learning new ways to experience and celebrate community with each other and with the earth.

BWSR Current: The mission of the board of water and soil resources is to provide leadership enabling local governments to properly manage water and soil resources and to help all citizens be stewards of our irreplaceable natural resources.

BWSR Suggested:

The mission of the board of water and soil resources is to work with local governments to effectively manage water and soil resources,

The mission of the Board of Water and Soil Resources is to collaborate with local governments and other partners to manage water and soil resources efficiently.

The mission of the Board of Water and Soil Resources is to collaborate with local governments and other agencies, citizens and groups to manage water and soil resources efficiently.

The Board of Water and Soil Resources supports and assists local units of government to effectively manage water and soil resources.

The Board of Water and Soil Resources supports local governments in the effective management and conservation of water and soil resources.

The mission of the Board of Water and Soil Resources is to support local governments' effective management of water and soil resources.

The mission of the Board of Water and Soil Resources is to compliment and enhance the effective management of water and soil resources through local governments.

The mission of the Board of Water and Soil Resources is to work with local governments to effectively manage and protect water and soil resources.

The mission of the Board of Water and Soil Resources is to promote and support effective water and soil resource management through local government.



Board Member Update

June 1997

Our mission:

to manage water and soil resources and to help all citizens be stewards of our irreplaceable natural resources.

Central office

LCMR Update

The fiscal year (FY) 98-99 environmental appropriations bill passed by the legislature and signed by the Governor contained, in addition to BWSR general funds, appropriations for the Legislative Commission on Minnesota Resources (LCMR). The LCMR, comprised of eight Senators and eight Representatives, issues a request for environmental funding proposals every other year; it then selects a selects projects based on a strategic plan developed with input from a Citizens Advisory Committee. The BWSR submitted ten proposals to LCMR in response to the last request for proposals. Two were funded. In addition, LCMR has assigned BWSR to be the "pass through" agency to manage funds for six additional projects.

BWSR LCMR proposals selected for funding

Statewide Digital Soil Database - Phase I - \$145,000: This money is for a pilot program to investigate methods

to digitize data from older soil surveys and to coordinate soil survey digitizing in at least one county on a 50 percent cost share basis. Older soil surveys are a special challenge to digitize. Many of the air photos used were not corrected for distortion (photos used for newer surveys are) so the information does not overlay on maps and Geographic Information Systems (GIS) data bases very well. Also there have been some changes to soil mapping units over the years which present challenges. Greg Larson will manage this project.

Grants to Local Governments to Assist Natural Resource Decision-making - \$150,000: This money is for matching grants to local governments to help enable incorporation of impacts on natural resources into local decision-making. This project recognizes that most land use authority in Minnesota is a responsibility of local government and that their decisions have far-reaching impacts on natural resources. The state can play a positive role in achieving good land use by helping to fund local governments so they may acquire the needed expertise to make good land use decisions. This is especially true in areas of the state undergoing rapid

If you have questions about these projects or other LCMR questions contact Jim Birkholz (296-0879), who is BWSR's liaison with LCMR.

development. Jim Birkholz will manage this project.

The LCMR assigned BWSR to manage contracts for the following projects:

Snake River Watershed Best Management Practices (BMPs) - \$100,000: Pass through to the Snake River Watershed Management Board to accelerate the implementation of the 1996 Snake River Watershed Management Plan. Keith Grow will be the BWSR contact.

Evaluation of Watershed-Based Watershed District Management - \$150,000: Pass through to the Minnesota Association of Watershed Districts to evaluate the effectiveness of water quality management by watershed districts. Doug Thomas will be the BWSR contact.

Miller Creek Management - \$100,000: Pass through to the Miller Creek Task Force and the Natural Resources Research Institute to implement water quality improvement activities on Miller Creek in Duluth. \$75,000 is contingent on forming a watershed district or joint powers agreement. Mark Nelson will be the contact person.

Trout Habitat Preservation Using Alternative Watershed Management Practices - \$250,000: This money is to implement alternative watershed management practices to preserve the lower reaches of Browns Creek in Washington County as trout habitat. The funds will be passed through to local governments addressing the problem. Matt Moore will be the

contact person.

Fillmore County Soil Survey Update - \$65,000: This money will provide half of the nonfederal share for the second year of a six-year project to update the Fillmore County soil survey into a digitized and manuscript format. Greg Larson is the contact person and spent considerable time and effort on this project in cooperation with local, state and federal agencies.

Cannon River Watershed: Integrated Management - \$350,000: For an agreement with the Cannon River Watershed Partnership for the third biennium to implement activities in the Cannon River watershed through easements, matching grants, and technical assistance. Dave Peterson remains the contact person for this ongoing project.

If you have questions about these projects or other LCMR questions contact Jim Birkholz (296-0879), who is BWSR's liaison with LCMR.

Northern Region

The Wetland Conservation Act (WCA) was the news of the day as BWSR held a round of administrative training sessions statewide in May. Dan Eklund, wetland specialist, hosted four of these sessions in northern Minnesota. Much prep time went into getting ready for these sessions as the WCA administrative manual was updated and re-printed. Most agree that the new

manual is a great improvement over the earlier version. About fifty people attended each session: a combination of state government types, local government unit (LGU) staff, and consultants. Board conservationists (BCs) attended and helped present at one or more of these sessions as well.

BCs Brian Dwight, Dale Krystosek, Bill Best, and Pete Waller all did some work related to the Red River flooding. They spent time attending flood tours with the Federal Emergency Management Agency (FEMA) and other agency types, contacting LGUs to round up flood damage estimates, and visiting LGUs to gather flood damage estimates.

Brian Dwight worked with Doug Thomas in preparing comments on the Two Rivers Watershed District rule revision. Doug suggested we assist in the preparation of these rules in an effort to draft something that other Watershed Districts might be able to reproduce. It seems many of the watershed district rules are of 1970's vintage and contain language that could cause problems in the litigious 90s.

Mark Nelson, Duluth BC, worked with Joe Newberg (Hennepin SWCD and Great Lakes Commission Representative) to host a sediment workshop and tour of the Duluth Harbor. Speakers from Toledo, Ohio, were brought in to share what they know about harbor sedimentation. The tour was well attended with the usual mix of agency types and locals. Representatives from the Great Lakes Commission were on hand as well.

Joe Wiltsey, BWSR training coordinator, visited So. St. Louis, Koochiching,

Itasca, and Cook SWCDs soliciting ideas for special training needs that they might have in the arrowhead region. Joe has been working with Natural Resources Conservation Service (NRCS) staff to develop Ecological Science course titles and descriptions to add to the technical training data base that already exists.

BWSR Forester Jim Lemmerman reports that the Minnesota Forest Stewardship Committee met and ranked the 37 proposals submitted for technical assistance. The SWCDs did well in the ranking. Of the top 17 proposals, 14 were submitted by SWCDs. The proposals still must be submitted by the DNR State Forester, but the outlook is good. Jim has been working with DNR forestry types to come up with a method to increase the planting of white pine. Jim is working on an incentive approach to get SWCDs to sell more white pine in small quantities to private landowners. The Interagency Living Snowfence Workgroup met to proceed with the work plan for producing a guidebook, conducting training sessions, and developing some demonstration areas. A grant proposal is being submitted to FEMA as we speak.

Engineering and Technical Services

Lakeshore Engineering

Phase II of the Sucker Bay shoreline stabilization project, which involves four landowners and a 60-ft. high bluff, was

BCs Brian Dwight, Dale Krystosek, Bill Best, and Pete Waller all did some work related to the Red River flooding.

A policy forum regarding manure storage in the karst region of Minnesota was held on May 29.

recently completed. This phase was the first large-scale surface water and upper groundwater diversion project installed along the North Shore with SWCD and BWSR technical assistance. South St. Louis SWCD and BWSR staff will monitor the project to determine its effectiveness for bluff face stabilization. The first phase of this project was a buttress and revetment along the shoreline to prevent wave erosion.

One of the EPA 319 grant applications recently submitted by BWSR staff requested continued funding for the part-time lakeshore engineering technician position filled by Brad Matlack. This position is currently funded by a 319 grant and is a very valuable enhancement to our technical assistance capabilities for lakeshore and streambank stabilization and associated sedimentation reduction.

Gene Clark, lakeshore engineer, reports the following other significant developments during the past month:

- a near-shore streambank stabilization and another lakeshore stabilization project were completed in partnership with Cook and Lake SWCDs, respectively
- bids came in for several more projects to be constructed this summer
- Gene and Brad provided preliminary design assistance to the MnDOT for shoreline stabilization at the Cutface Creek wayside rest
- Gene provided more assistance installing wave break structures for temporary protection of aquatic vegetation plantings on Big

Sandy Lake

- Gene presented a session on lakeshore engineering at the annual Minnesota Association of Conservation District Employees (MACDE) training session, which is held in June

Technical Coordination, Consultation and Training

A policy forum regarding manure storage in the karst region of Minnesota was held on May 29. Over 40 people attended, including representatives from SWCDs, federal and state agencies, counties, the U of M, consultants and a manure storage system supplier. A Land Conservation District Manager from Door County, Wisconsin and an NRCS Area Engineer from Wisconsin also attended. Information about karst geology, three municipal sewage lagoon failures in southeast Minnesota and available sinkhole probability maps were presented. Discussion included experience dealing with karst geology in conservation engineering and the draft MPCA guidelines for manure storage in the karst region. Al Kean, chief engineer, helped facilitate the forum, and believes that designers need a more efficient methodology than the draft MPCA guidelines. Justin Jeffery, training and design engineer, and Howard Moechnig, conservation planner, are helping craft an alternative methodology. MPCA staff seem open to discussion of alternatives.

Al and John Brach, NRCS state conservation engineer, presented a session on technical approval authority, conservation practice failure investigations and the technical experts list initiative at the annual MACDE

Board Member Update

training session.

The interagency flood response efforts have gotten Al substantially involved with the DNR, NRCS and others in coordinating technical and financial assistance efforts for mitigation and flood control. Al has been working with the DNR to try to get the Corps of Engineers more involved in associated technical assistance for coordinated short- and long-term planning, prioritization and implementation.

Calls from SWCD joint powers staff for consultation were fewer this month due to their focus on construction and other field work. Therefore, Justin focused on other technical support and training efforts during the past month including:

- correcting a technical problem in a pipe drop spillway rating curve program used by partnership engineers and technicians;
- obtaining copies of the multitude of design reference documents used by partnership engineers and technicians for the additional engineer (Pete Fryer, formerly of Scott SWCD) hired by SWCD Joint Powers Board 11 via nonpoint engineering assistance challenge grant funds. Pete now works out of the Winona SWCD.;
- checking a new spread sheet developed by Joint Powers Area (JPA) 4 staff for estimating seepage rates for earthen manure storage pond liners;
- providing training in the use of the Feedlot Evaluation Model, which is built into the Local Area Reporting System (LARS), for LGU staff in the

southern region;

- helping organize and prioritize partnership training requests for the NRCS National Employee Development Center (NEDC) courses for FY97/98. Two SWCD JPA staff and two BWSR engineering staff requested courses and had their names forwarded to the NEDC;

- working with Joe Wiltsey, training coordinator, and NRCS information resource management staff to continue making progress toward SWCDs, NRCS area offices and other partnership offices using the new engineering course list and updated partnership training database;
- working with the NRCS Area 6 conservationist to help implement the training system improvements; and
- conducting quality assurance reviews with SWCD JPA 4, JPA 5 and JPA 10.

An international e-mail conference on Livestock and the Environment that Al has participated in during the past several months ended recently. The conference involved people from about 90 countries around the world. The diversity of situations and perspectives was very interesting, but not always applicable to our situation in Minnesota. The number of e-mail messages was overwhelming at times, but overall it was an interesting conference that provided an opportunity for some new information and connections.

Conservation Easements

Polly Remick, easement processing

Al has been working with the DNR to try to get the Corps of Engineers more involved in associated technical assistance for coordinated short- and long-term planning, prioritization and implementation.

We expect the WRP/RIM pilot projects to lead to many more successes of this joint venture arrangement.

specialist, reports that of the 182 funded applications from the 96-01 sign-up, we have received 76 agreement packages to date (42 percent). This is a bit faster than previous years, and might be an indication that SWCDs have become more comfortable with the retooled easement processing procedures.

Our joint venture with the NRCS to partner the Wetlands Reserve Program (WRP) and the Reinvest in Minnesota (RIM) Reserve programs on restorable wetlands is progressing very well. This joint venture will combine 30-year WRP and perpetual RIM wetland restoration easements in a financially beneficial manner. WRP will purchase a 30-year easement at the allowable 75 percent of agricultural value rate, and RIM will pay the balance of what it would cost to secure a perpetual easement at the higher of the applicable WRP or RIM rates. Cost share for restoration work is to be split approximately 75 percent WRP and 25 percent RIM. The RIM easement will be subordinate for the first 30 years, but site inspections will be done by BWSR and SWCDs as for other RIM easements. This arrangement enables the NRCS to achieve 30-year easement goals, while achieving the cost-effectiveness of perpetual restorations and the larger buffers that the RIM program can allow. RIM funds will also go further and NRCS field staff will benefit from less monitoring requirements than they otherwise would have.

The pilot project areas for the WRP/RIM joint venture are the Straight River marsh area in Steele County and the Grass Lake marsh area in

Freeborn County. A total of 587 acres is involved in these pilot projects. We expect the WRP/RIM pilot projects to lead to many more successes of this joint venture arrangement. Tim Fredbo, easement program manager, and Steve Miller, Sr. realty specialist, have been the primary BWSR staff involved in this joint venture to date.

Although the construction season got off to a wet and cold start, the more recent dry weather has been conducive to construction of wetland restorations. Tom Wenzel, design engineer, Jim Leniewski, engineering technician, and Jeff Hedtke, wetland restoration technician, have been busy assisting SWCDs with final design and construction inspection activities. One recent restoration involved the trial use of plastic sheet pile. Tom reports that the contractor and design team learned a few things about how to best design and install the material during construction, and that the material appears to be advantageous in that it is much lighter than steel sheet pile and, therefore, requires much smaller equipment to install.

Work on the remaining sections of the easement program handbook continues, as priorities permit. It seems that the adage that the last 10 percent of the job takes the most time has some applicability here. Nevertheless, staff remain committed to completing the easement program retooling that is reflected in the program handbook.

Southern Region

BWSR received applications from SWCDs for two Cost-Share Program funding opportunities—Special Minne-

sota River Cost-Share and Cost-Share Special Projects. As a member of the BWSR Grants Team, BC Tom Fischer coordinated a committee of Minnesota River BCs to review the Special Minnesota River Cost-Share applications and make a funding recommendation to the Grants Team. Nine applications were submitted requesting over \$1.4 million, with only \$500,000 available. The Grants Team's funding recommendation will be presented to the BWSR board at its June meeting.

BC Tom Fischer participated with the Grants Team in its review of the Cost-Share Special Projects applications. Over 70 applications (requesting over \$1.8 million) were submitted, with only \$585,000 available. This continues to be a very trying effort for the Grants Team. The Grants Team's funding recommendation will be presented to the BWSR board at its June meeting.

BCs Tom Fischer and Chris Hughes are once again working with staff from the Area VI NRCS regional office to plan another wetland hydric soils and vegetation training session for LGUs in Area VI. This session is scheduled for August 12 and is a follow up from a two-day session conducted last year. More information can be obtained from Tom Fischer or Chris Hughes.

Marshall BC Tabor Hoek reports planning for a riparian buffer field trip to Ames, Iowa. Iowa State University Professor Dick Schultz will be leading the tour of their buffer strip demonstration area on June 23. BWSR will be providing a tour bus to transport LGU and state agency staff to Ames.

BCs David Sill and Chris Hughes organized and completed a LARS

(LGU Annual Reporting System) information/training session for southern Minnesota clientele early in June. The purpose of the meeting was to provide guidance and information on how the pollution crediting and FLEVAL parts of LARS work. General questions were also welcomed. BWSR staff Doug Thomas, Bryan Alpaugh, and Justin Jeffery, in addition to MPCA's Jim Klang, did a great job. Northern and metro BCs have organized additional training sessions later in June for those parts of the state.

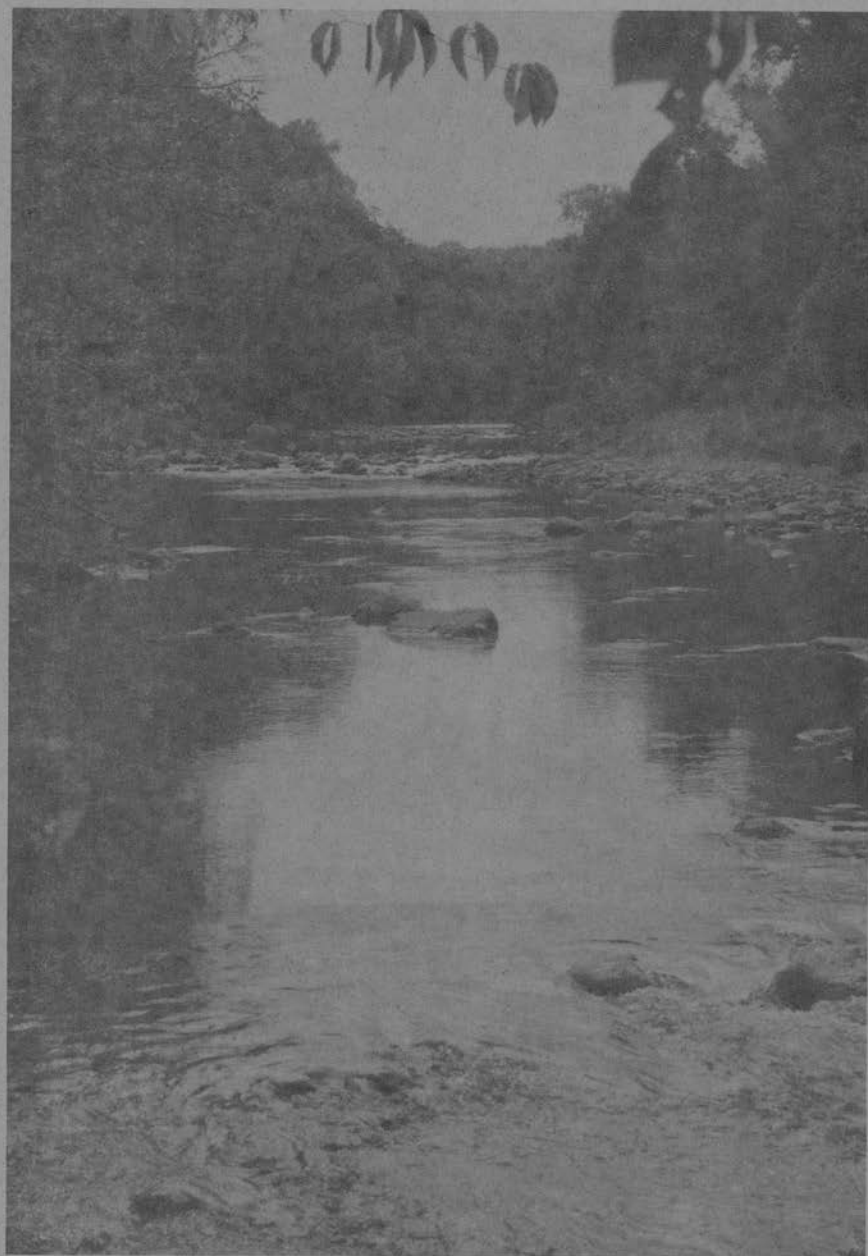
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A Tour of Redwood County

Sponsored by:

Area II, Redwood SWD, and RCRA





RCRCA
Redwood-Cottonwood
Rivers Control Area
ANNUAL REPORT
1 9 9 6



A message from the Chairman and Executive Director

The Redwood-Cottonwood Rivers Control Area (RCRCA) was organized in 1983 to develop and implement plans leading to water resource improvements within the two watersheds. This was to be accomplished through a coordinated approach, utilizing the skills and resources of member Counties and Soil and Water Conservation Districts supplemented by state and federal agency programs and funding. The underlying premise was that by working together we could achieve results that would not be attainable if each unit of government acted independently.

Since the early years of RCRCA, tremendous change has occurred allowing us greater opportunities for managing our water resources. Recent years, in particular, have been marked by enactment of major programs such as CRP (Conservation Reserve Program), RIM (Reinvest in Minnesota), the Clean Water Partnership Program, and County Water Planning, to mention only a few. Similarly, in response to emerging interests, new organizations have sprung up in the last few years such as CCMR (Coalition for a Clean Minnesota River), CURE (Clean Up Our River Environment) and most recently, the Minnesota River Basin Joint Powers Board. With the proliferation of programs and organizations, these are exciting times to be involved with water issues.

Despite all that has changed, what was true in the early 1980s is still true today: we can get more done collectively than we can individually. As an illustration of this point, the information presented in the following pages summarizes some of the

many programs and activities RCRCA has been involved in this past year. Our major program continues to be the Redwood River Clean Water Project that has grown to encompass several new initiatives. This year also marked the beginning of what we hope will be an equally exciting program on the Cottonwood River, leading us closer to a comprehensive approach to land use and water quality in the two watersheds.

Whatever success we have achieved has always been dependent upon sustained partnerships with many groups, agencies, and individuals, and with the introduction of new partners. Adherence to this principle has served us well. We know that each year brings new circumstances and opportunities, and based on the level of activity in 1996 we look forward to continued progress in 1997.



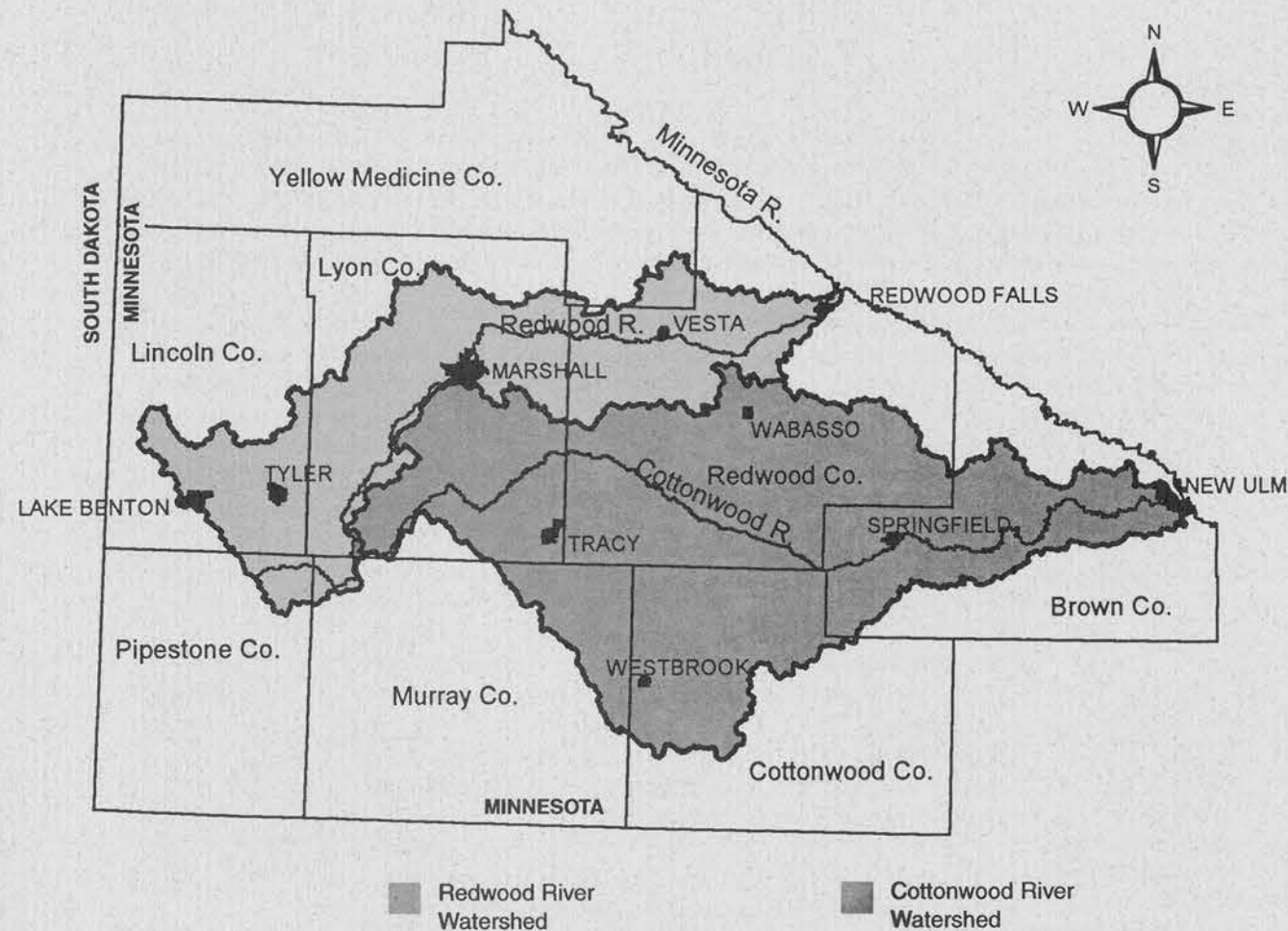
Executive Director
Redwood-Cottonwood
Rivers Control Area



Chair, Board of Directors
Redwood-Cottonwood
Rivers Control Area



Redwood and Cottonwood Watersheds



Map Courtesy of Department of Natural Resources Division of Waters.

RCRCA

Redwood-Cottonwood Rivers Control Area (RCRCA) represents the interests of local units of government through a joint powers agreement. Organized in 1983 to protect and enhance the Redwood and Cottonwood Rivers, RCRCA works with local, state, and federal agencies, as well as private foundations to finance and administer programs of benefit to the two watersheds.

Member Counties and Soil and Water Conservation Districts include:

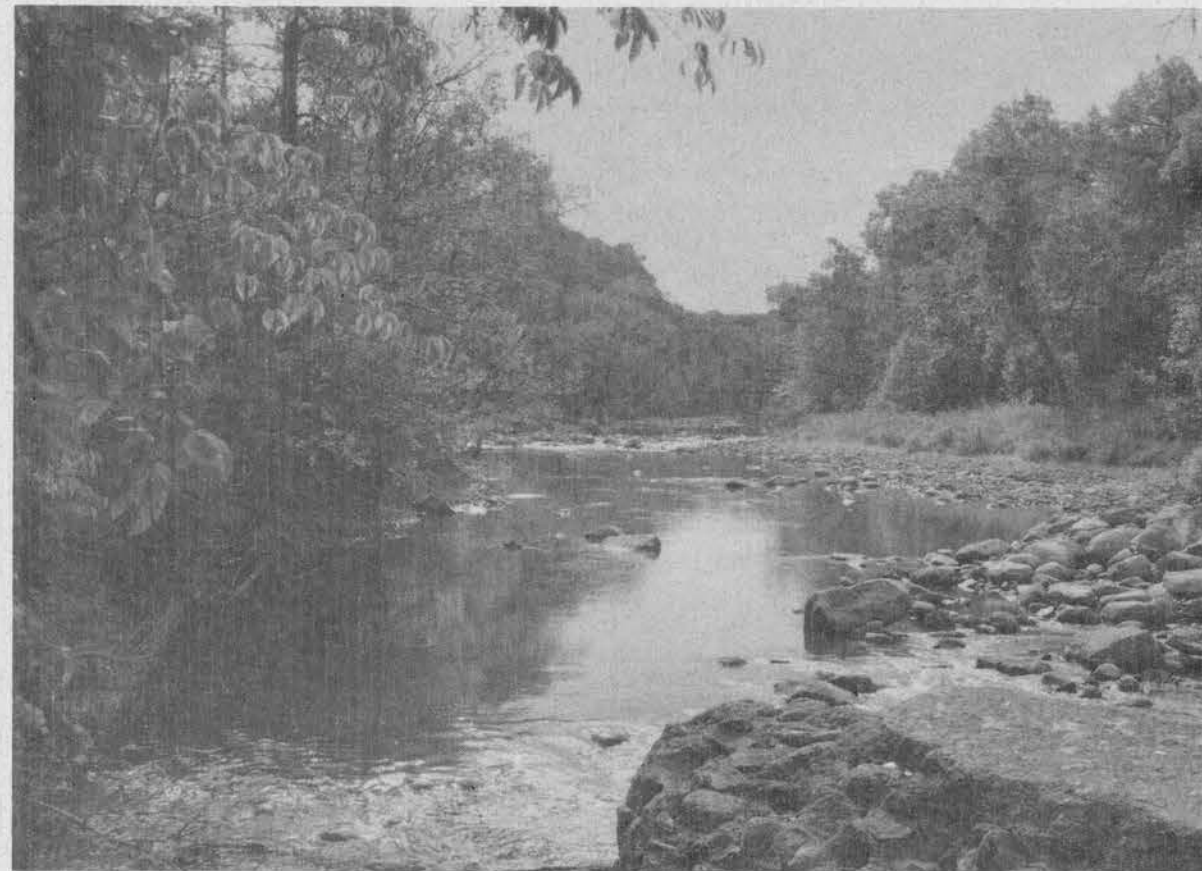
- Brown
- Cottonwood
- Lincoln
- Lyon
- Murray
- Pipestone
- Redwood
- Yellow Medicine

Financial support for RCRCA is provided, in part, through these counties.

Purpose

RCRCA was organized to develop and implement plans to:

- protect property from the damage of flooding;
- protect property, rivers and lakes from sedimentation and pollution;
- maintain and improve the quality of water in the rivers, lakes and groundwater;
- improve recreational and wildlife opportunities within the two watersheds.



1996 Programs

REGIONAL ACTIVITIES

Redwood River Clean Water Project

The largest of RCRCA's programs, the Redwood River Clean Water Project is an on-going program which began implementation in 1994. The Redwood River Clean Water Project consists of a local effort to restore the Redwood River and Lake Redwood. Best management practices (BMPs) supported through information and educational activities are the principal methods used to accomplish Project goals.

Redwood River Water Management Study

This study is looking at potential flood reduction benefits of restored wetlands, small impoundments and related conservation practices. The study area is represented by a small watershed in the upper portion of the Redwood River watershed. RCRCA has taken responsibility for surveying attitudes and opinions of residents in the study area, and interviewing land owners about current and past land use activities.

Cottonwood River Restoration Project

Sponsored by RCRCA, and patterned after the first phase of the Redwood River Clean Water Project, this program represents the initial step leading toward implementation activities in the Cottonwood River watershed. Monitoring and work plans have been developed; sampling and watershed assessments are scheduled to begin in the spring of 1997. Major funding is being provided by a Clean Water Partnership grant from MPCA.

Urban Outreach

1996 efforts concentrated on the urban decision makers within the watershed. Water Wednesday provided daily radio messages about water pollution concerns. Storm drain stenciling was completed in six towns. Newspaper articles appeared regularly throughout the watershed area. Library and County Fair displays provided information about the Redwood River Clean Water Project and RCRCA.

NEW PARTNERSHIPS

The **McKnight Foundation** is supporting an RCRCA initiative that will offer residents in the watershed firsthand information about how wetlands and related conservation practices affect streamflow. Additional support for this effort comes from **The Wetlands Initiative**.

In collaboration with the **World Wildlife Fund** and the **Caddo Lake Institute**, RCRCA has begun planning for the creation of a water quality monitoring network that will be conducted by watershed residents.



The Redwood River Clean Water Project

Mission

The mission of the Redwood River Clean Water Project is to create awareness and appreciation for the value of a clean Redwood River, promote watershed identity, and cooperatively achieve land use changes necessary to restore the River's health.

Overview

The Redwood River Clean Water Project, a six-year program to restore the Redwood River and Lake Redwood, was officially launched in 1995. It is currently the largest program sponsored by RCRCA with an approximate budget of \$2 million. Financial support comes from a variety of public and private sources. Six full-time staff are employed to carry out the project's workload.

Project goals are to reduce sediment and nutrient loadings; expand game fishery habitat and fishing opportunities; reduce peak flows and improve flow stability; and increase awareness of water quality issues throughout the watershed.

These goals are accomplished by building watershed identity among rural land owners and urban residents, and instituting land use changes that protect water quality.

How the Project Works

The Redwood River Clean Water Project uses *one-on-one landowner contacts* and an extensive *education and information* program to encourage implementation of *best management practices* on agricultural land. Landowners who *voluntarily* choose to implement BMPs receive technical assistance and up to 75% cost-share on conservation practices. The Project monitors the effect BMPs have on water quality through a comprehensive *monitoring and evaluation* program. The Project works with agencies and organizations within the watershed to enhance current programs, raise awareness of water quality related issues, provide technical assistance when needed, and to help accelerate the adoption of BMPs and other water quality improvement programs.

Project Partners

The Redwood River Clean Water Project would like to thank:

The Citizens of the Redwood River Watershed; Soil and Water Conservation Districts (Lincoln, Lyon, Murray, Pipestone, Redwood and Yellow Medicine); Northwest Area Foundation; Board of Soil and Water Resources; Minnesota Extension Service; Minnesota Pollution Control Agency; Farm Service Agency; RCRCA Member Counties; Natural Resources Conservation Service; Department of Natural Resources; Area II, Minnesota River Basin Projects Inc.; McKnight Foundation; Lake Redwood Improvement Association; Lake Improvement For Everyone (Lake Benton); World Wildlife Fund; and The Wetland Initiative.



1996 Redwood River Clean Water Project Accomplishments

THREE MILE CREEK

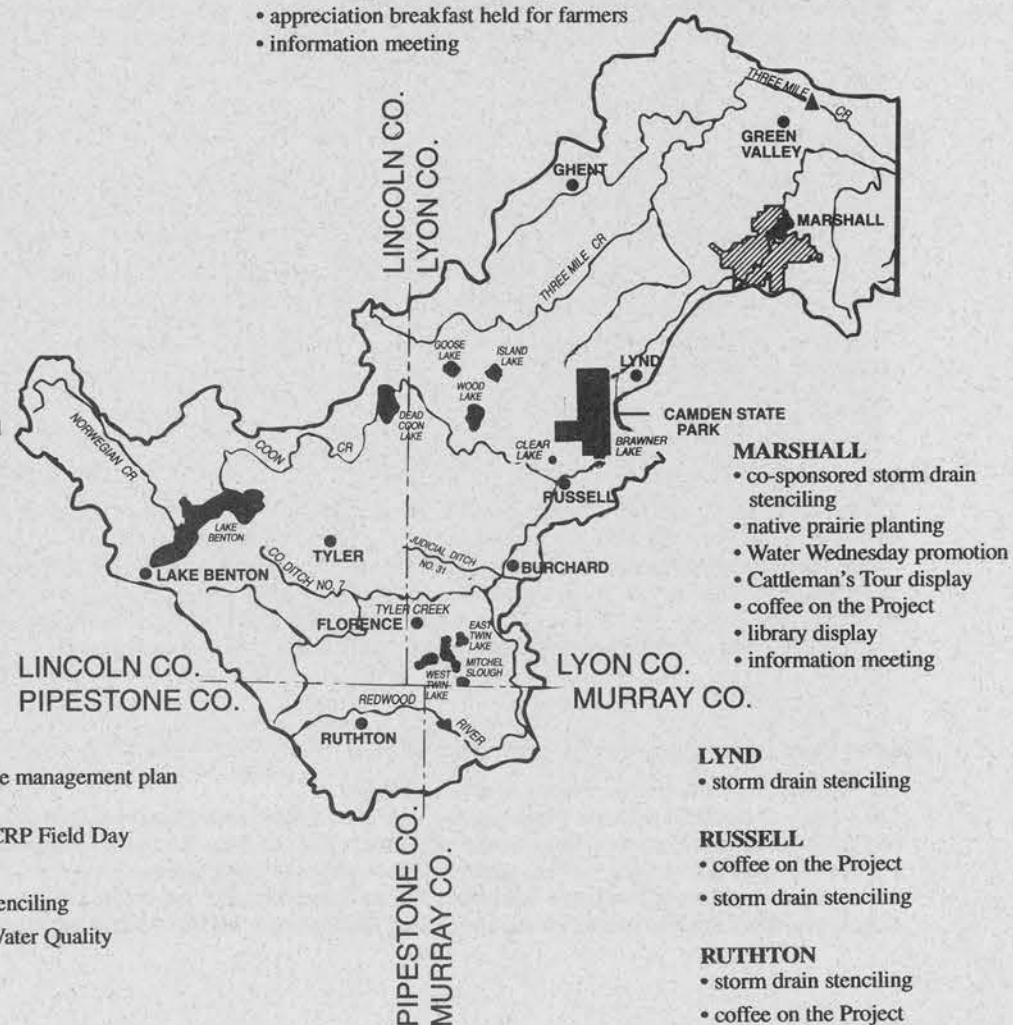
- 10 people attended HRM Seminar in Ghent
- re-established sampling station during the 1996 growing season
- cut and implemented willow posts for a streambank stabilization demo site
- appreciation breakfast held for farmers
- information meeting

JUDICIAL DITCH 31

- survey
- interviewed farmers
- McKnight funds allocated
- watershed history developed
- appreciation breakfast

LAKE BENTON

- assisted with developing lake management plan for Lake Benton
- supported Lincoln County CRP Field Day
- coffee on the Project
- co-sponsored storm drain stenciling
- encumbered \$171,000 for Water Quality Incentive Program
- information meeting



LYND

- storm drain stenciling

RUSSELL

- coffee on the Project
- storm drain stenciling

RUTHTON

- storm drain stenciling
- coffee on the Project

MARSHALL

- co-sponsored storm drain stenciling
- native prairie planting
- Water Wednesday promotion
- Cattleman's Tour display
- coffee on the Project
- library display
- information meeting



REDWOOD FALLS

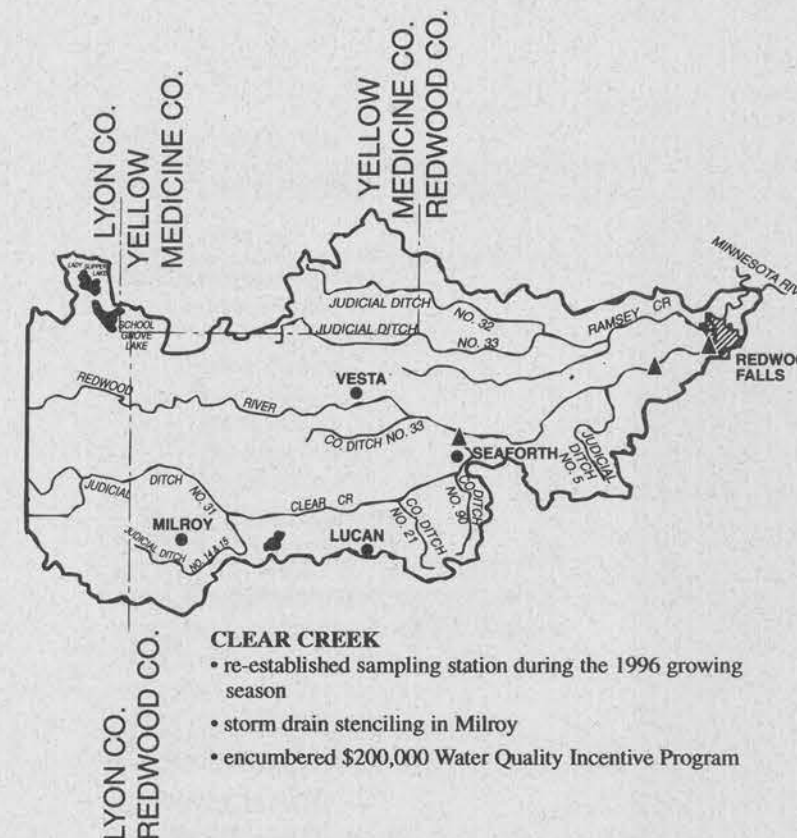
- information meeting
- Farmfest display and interaction
- Redwood County Fair display
- coffee on the Project

REDWOOD RIVER CORRIDOR

- re-established sampling station during the 1996 growing season
- canoe trip
- appreciation breakfast
- coffee on the Project
- information meeting

CAMDEN STATE PARK

- continued work on informational sign (kiosk)
- Project WET training

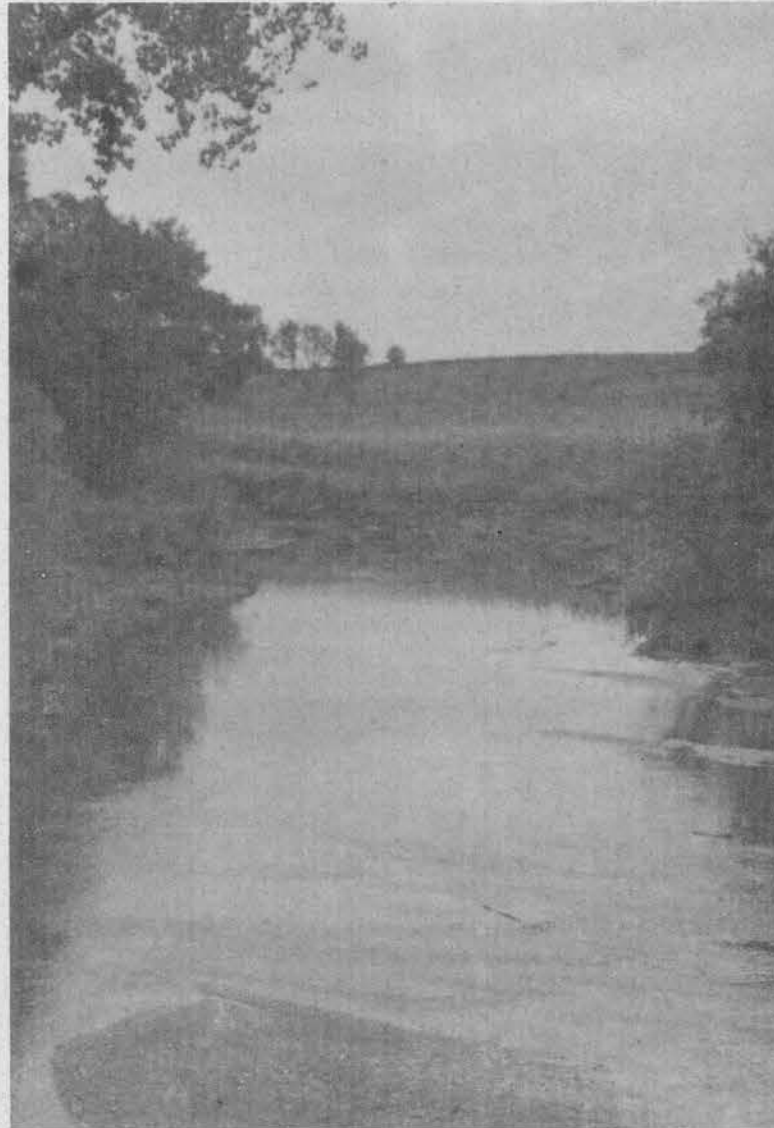


CLEAR CREEK

- re-established sampling station during the 1996 growing season
- storm drain stenciling in Milroy
- encumbered \$200,000 Water Quality Incentive Program

1996 OVERALL ACCOMPLISHMENTS

- individually talked with 353 people - 85 of these are new contacts for 1996
- reduced potential soil loss by more than 530 tons per year in the Clear Creek watershed
- total estimated soil loss reduction by implemented projects is 3,185 tons per year
- 22 farmers/landowners encumbered \$135,511.25 in cost share dollars for 47 BMPs to be implemented by June of 1998
- total estimated surface water pollution reduction by these projects once implemented is 637 tons per year
- newspaper insert for Project week
- Governor Carlson proclaimed "Redwood River Clean Water Project Week" in May



“ It’s good to see local projects that are educational and voluntary. If everyone participates, we can make a difference over the long term. ”

-- DON LOUWAGIE
Green Valley, Minnesota
Redwood River
Watershed Resident



1996 Financial Highlights

SOURCES OF FUNDS	General Fund	Redwood River Clean Water Project *	Cottonwood River Restoration Project
Beginning Fund Balance	\$ 63,475	\$ 308,433	\$
1996 REVENUES			
RCRCA Member Counties:			
Brown County	6,633		
Cottonwood County	6,138		
Lincoln County	3,415	2,101	
Lyon County	13,068	4,700	4,500
Murray County	2,673		
Pipestone County	644		
Redwood County	16,385	3,200	5,000
Yellow Medicine County	544		
Northwest Area Foundation Grant		273,650	
MN. Pollution Control CWP Grant		108,790	
MN. Pollution Control CWP Grant			48,820
McKnight Foundation Grant		20,000	
Board of Water & Soil Resources		10,000	
Water Plan Revisions	10,912		
Interest / Miscellaneous	19,487		
TOTAL SOURCES OF FUNDS	\$ 79,899	\$ 422,441	\$ 58,320
1996 EXPENDITURES			
Personnel	\$ 17,359	\$ 271,961	
Operation / Supplies	3,944	19,256	
Capital	5,242	5,544	
Information / Education	250	53,696	
Monitoring / Evaluation		2,085	
Travel / Expenses	425	7,982	
Other Services / Charges	2,339	14,008	
TOTAL EXPENDITURES	\$ 29,559	\$ 374,532	
ENDING FUND BALANCE 12/31/96	\$ 113,815	\$ 356,342	\$ 58,320

* Does not reflect in-kind contributions and cost-share funds.



1996 Board of Directors

ALPHONSE MATHIOWETZ
Brown County
Board of Commissioners

KENNETH ELG
Cottonwood County
Board of Commissioners

CARL HAUSCHILD
Lincoln County
Board of Commissioners

JASPER VANDELANOTTE
Lyon County
Board of Commissioners

ERVIN WINDSCHITL
Brown Soil and Water
Conservation District

PAUL MARAS
Cottonwood Soil and Water
Conservation District

GLEN SORENSEN
Lincoln Soil and Water
Conservation District

RAY TRAEN
Lyon Soil and Water
Conservation District

STEVE COHRS
Murray County
Board of Commissioners

LEROY STENSGAARD
Pipestone County
Board of Commissioners

DAROLD NEPERMAN
Redwood County
Board of Commissioners

EUGENE HOUSE
Yellow Medicine County
Board of Commissioners

ELVERNE ZIEMKE
Murray Soil and Water
Conservation District

JOSEPH STEPANEK
Pipestone Soil and Water
Conservation District

BRUCE BERGER
Redwood Soil and Water
Conservation District

BURTON KUEHN
Yellow Medicine Soil and Water
Conservation District

1996 Staff

ROBERT FINLEY
Executive
Director

DIANE MITCHELL
Assistant
Director

JEFF BOMMERSBACH
Watershed Engineering
Technician

JOHN BIREN
Watershed Engineering
Technician

TIM RAMERTH
Watershed Engineering
Technician

SHARON GOBLIRSCH
Watershed
Technician

JAMES DOERING
Watershed
Technician

AMYJO GRIEME
Watershed
Educator

SUSAN BERAN
Watershed
Educator

SHARON VOEKS
Secretary

FOR MORE INFORMATION

Redwood-Cottonwood
Rivers Control Area (RCRCA)
1241 East Bridge Street
Redwood Falls, MN 56283
507-637-2142 (phone)
507-637-2134 (fax)
rcrca@rconnect.com (e-mail)

This report is made possible in part by a grant
from the Northwest Area Foundation.

March 1997

Printed on recycled paper.



RCRCA

Redwood-Cottonwood

Rivers Control Area

1241 East Bridge Street

Redwood Falls, MN 56283

ADDRESS CORRECTION REQUESTED

Mission

*The mission of
the Redwood River Clean Water Project
is to create awareness and appreciation
for the value of a clean Redwood River,
promote watershed identity, and cooperatively
achieve land use changes necessary
to restore the river's health.*

Solutions Happen Upstream

Have you ever thought of yourself as an upstream neighbor?

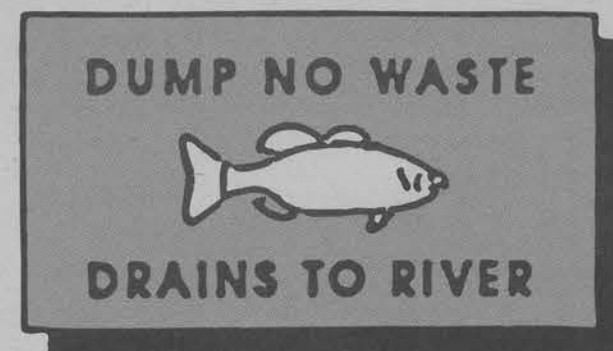
A watershed is like a very large bathtub. Everything drains down to the lower end, so, when water runs off or soaks into your property it is headed for the lowest end of the watershed. Because we all live in this bathtub (watershed), all of our drainage and runoff adds up.

The drainage and runoff formula-

My pollution
Your pollution
+ Their pollution
OUR POLLUTION

SWEEP (DON'T WASH) SOIL OFF PAVED AREAS - THIS WILL ELIMINATE POLLUTANTS SUCH AS PHOSPHORUS WASHING DIRECTLY INTO THE RIVER OR LAKE BECAUSE IT IS ATTACHED TO THE SOIL PARTICLES.

When you see this ...



Remember ...

- Don't dump motor oil, antifreeze, pesticides or other materials down storm drains.
- Apply fertilizers and pesticides carefully!
- Keep leaves, grass and other yard wastes out of the gutter, so they don't get washed into storm drains.

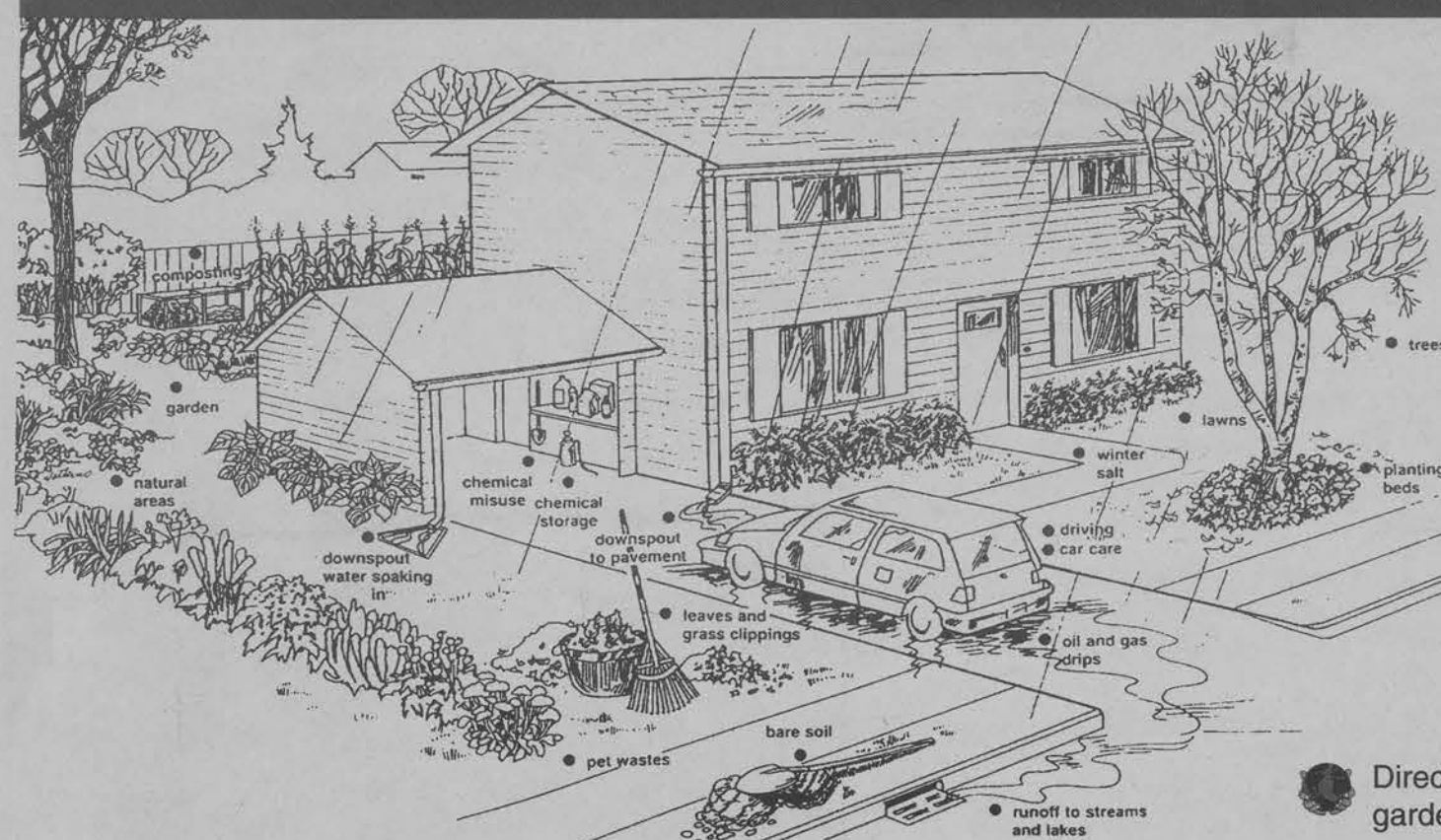
Where does storm drain water go?

After it rains, water on our streets "disappears" into storm drains. This water then empties directly into our local waters. Any pollutants carried with the water ends up in our rivers, streams, lakes and wetlands.

What can I do?

"Adopt" the storm drains in your neighborhood — make sure to keep wastes out of them.

It all adds up



Simple Ideas For Cleaner Water

- Mow the grass often and leave the clippings on the lawn.
- Use the clippings as a mulch.
- Grass clippings can be added to leaves for composting.
- Rake up fallen leaves.
- Seed bare soil and cover it with a mulch to minimize erosion.
- Direct rainspouts to lawns or gardens to minimize run-off.
- Use lawn and garden chemicals carefully and sparingly.
- Collect oil and other automobile products for recycling.
- Wash cars on the lawn to avoid soapy water running down storm drains.
- Clean up pet waste to avoid nutrients and bacteria in our water systems.

GOOD AUTOMOBILE MAINTENANCE PAYS IN CLEAN WATER - JUST FIVE QUARTS OF OIL IN A STREAM OR LAKE CAN CREATE A SLICK AS LARGE AS TWO FOOTBALL FIELDS.

Willow Posting

is a technique used to stabilize stream banks and break the flow of water. This project is on Three Mile Creek and will be used as a future demonstration site for the Redwood River Clean Water Project.

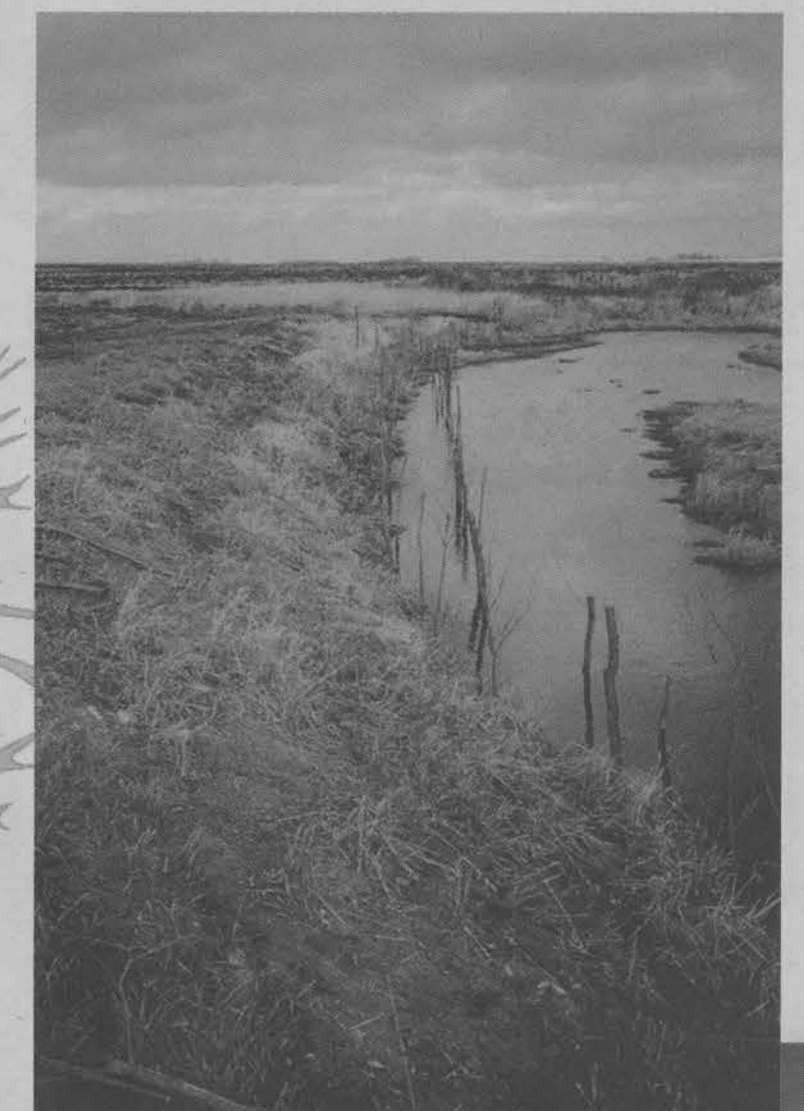
EARTHWORK TAKES PLACE EARLY IN THE SUMMER. THE STREAM BANKS ARE SHAPED.

DORMANT WILLOWS ARE CUT AND TRANSPORTED TO THE SITE.

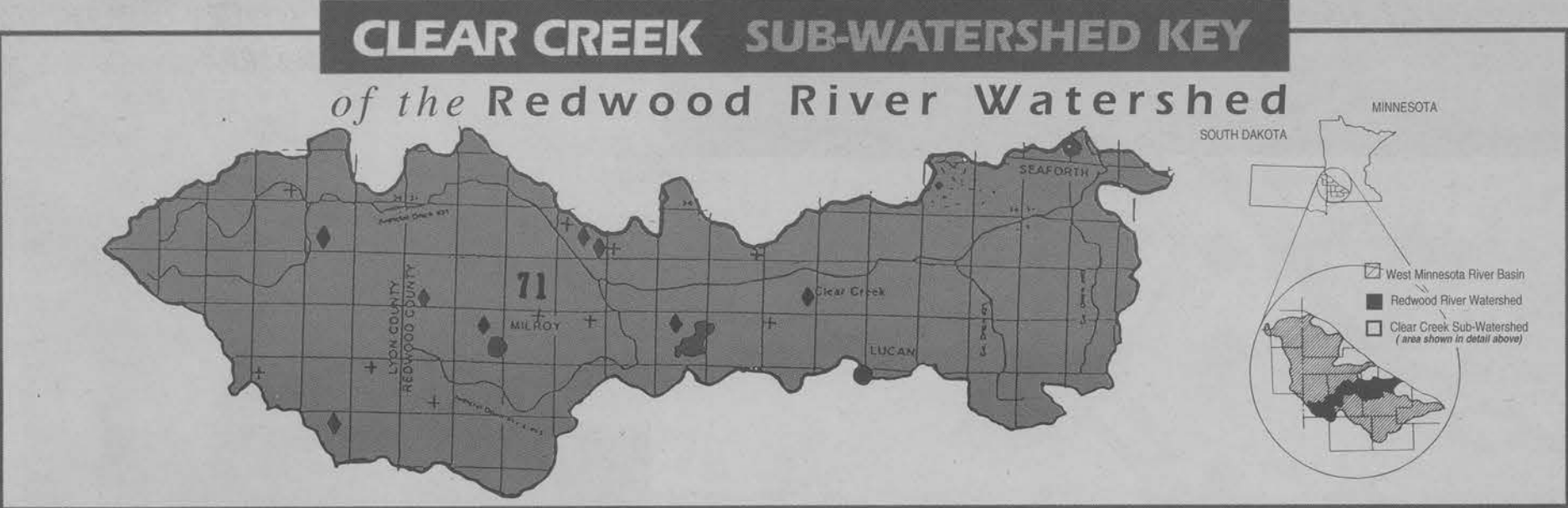
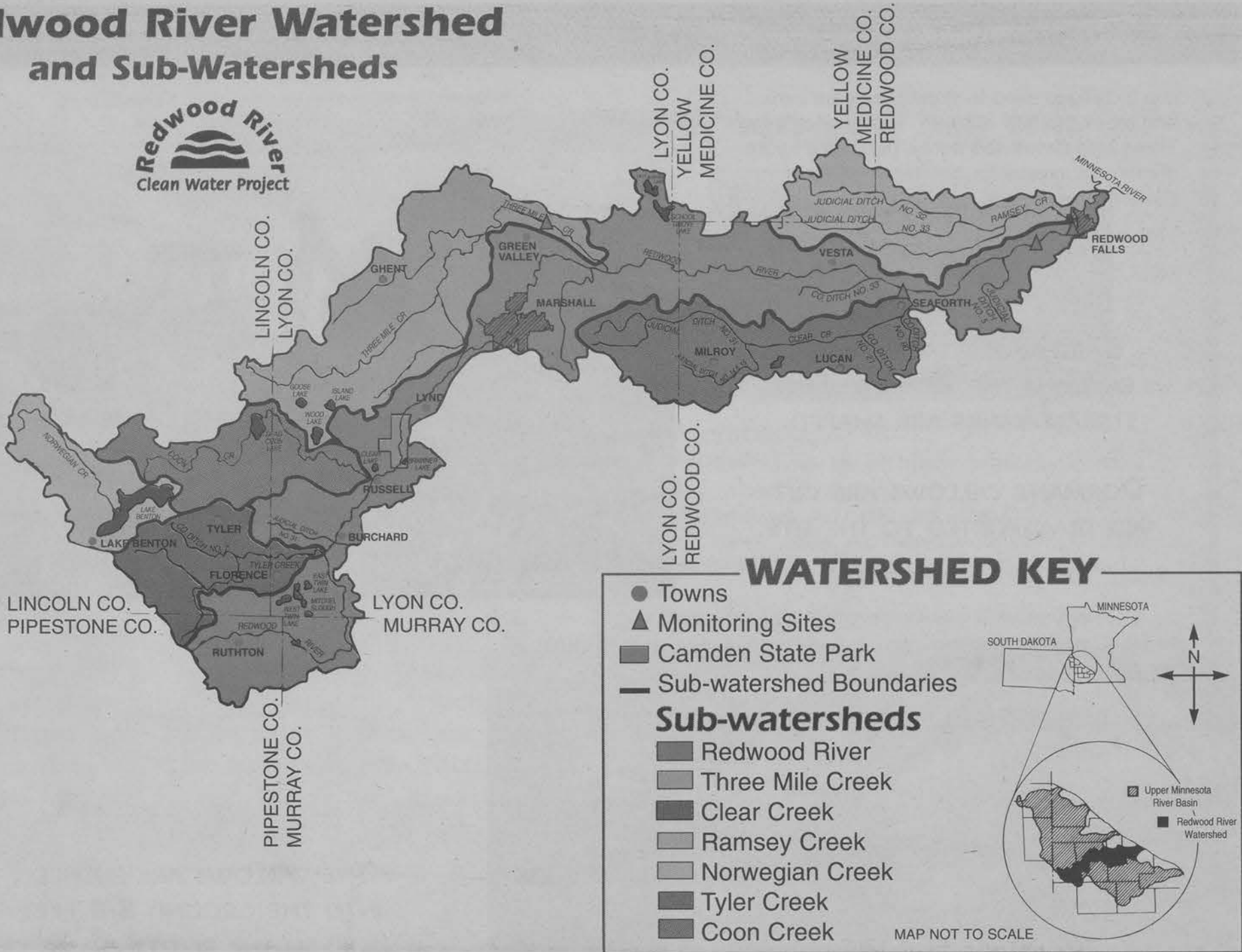


THE WILLOWS ARE PUSHED INTO THE GROUND 3-4 FEET DEEP SO THE ROOTS ARE NOT EXPOSED. THEY SHOULD ALSO EXTEND ABOUT 6 FEET OUT OF THE WATER.

THE WILLOWS ARE PLANTED ABOUT 4 FEET APART AND THEY ARE IN 3 STAGGERED ROWS.



Redwood River Watershed and Sub-Watersheds

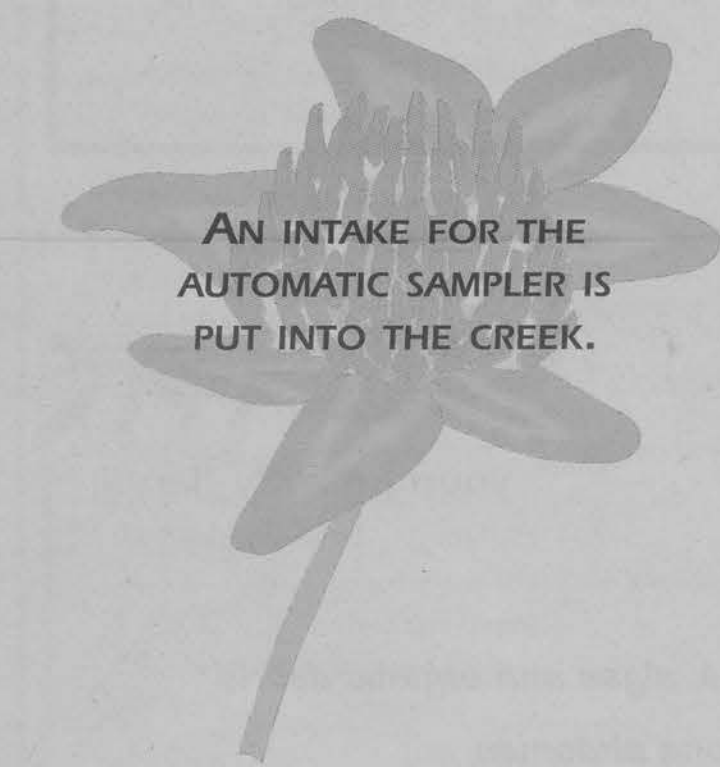


Clear Creek Monitoring

EACH SPRING:



THE SAMPLERS NEED TO BE PROGRAMMED FOR THE NEW SAMPLING SEASON.



AN INTAKE FOR THE AUTOMATIC SAMPLER IS PUT INTO THE CREEK.



JIM DOERING, REDWOOD RIVER TECHNICIAN, USES A TAPE MEASURE TO TAKE A FLOW READING EVERY FOOT, HE IS ALSO PREPARED TO TAKE A SAMPLE OF THE WATER.

Clear Creek Townships and Section Numbers	
Redwood County	Lyon County
Sheridan 28-33	Clifton 1-5, 8-16, 22-26, 36
Vesta 25, 33-36	Stanley 33-36
Underwood 29-33, 36	
Westline 1-24, 27-33	
Granite Rock 1-19, 24, 25	
Vail 4-9, 16-20, 30	

Watershed Size:	55,296 Acres
Land Use:	Cropland 44,016 Acres (*80%)
	Pasture/Hayland 1,267 Acres
	Urban 320 Acres
Annual Precipitation:	25 inches (estimated average)
Estimated Pollutants:	Sediment: 14,400 tons per year
	Nitrate-Nitrogen: 1,412 tons per year
	Kjeldahl Nitrogen: 823 tons per year
	Phosphorus: 154 tons per year
	Ammonia: 52 tons per year
Goals:	For Clear Creek Sub-Watershed As Related to the 6-year Redwood River Clean Water Project
	1) Reduce sediment and nutrient loading by 20-30%
	2) Reduce peak discharges
	3) Improve game fisheries
Demographics:	Number of Farms 257
	Type Corn/Soybean/Livestock

Turtles

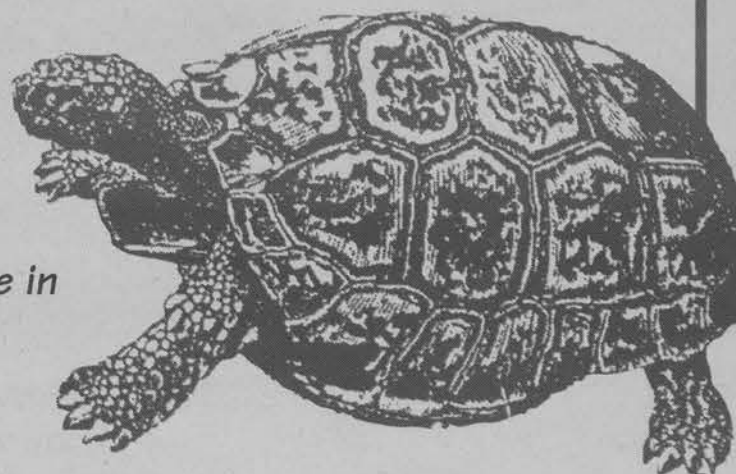
One of the common turtles found in the Redwood River Watershed area is the painted turtle.

Characteristics include

-  green unmarked carapace or shell
-  head and legs are green with yellow and red stripes
-  underside is colorful with greens, yellows, and reds
-  they eat insects, snails and other animals
-  they also eat plants like cattail and duckweed

sometimes they are called "mud turtles" because they live in shallow water in slow-moving streams, lakes, and ponds.

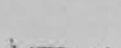
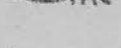
Painted turtles are often seen basking on a log or rock in the early morning. After several hours they enter the water to feed for several hours and then return to the sunshine for more basking.



CLIP AND SAVE

Mayflies

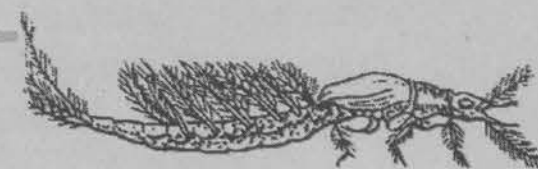
young

-  called nymphs
-  feed on small plants, algae and organic debris
-  have leaflike gills along abdomen
-  live in the water
-  swim actively
-  when mature they float to the top and shed skin

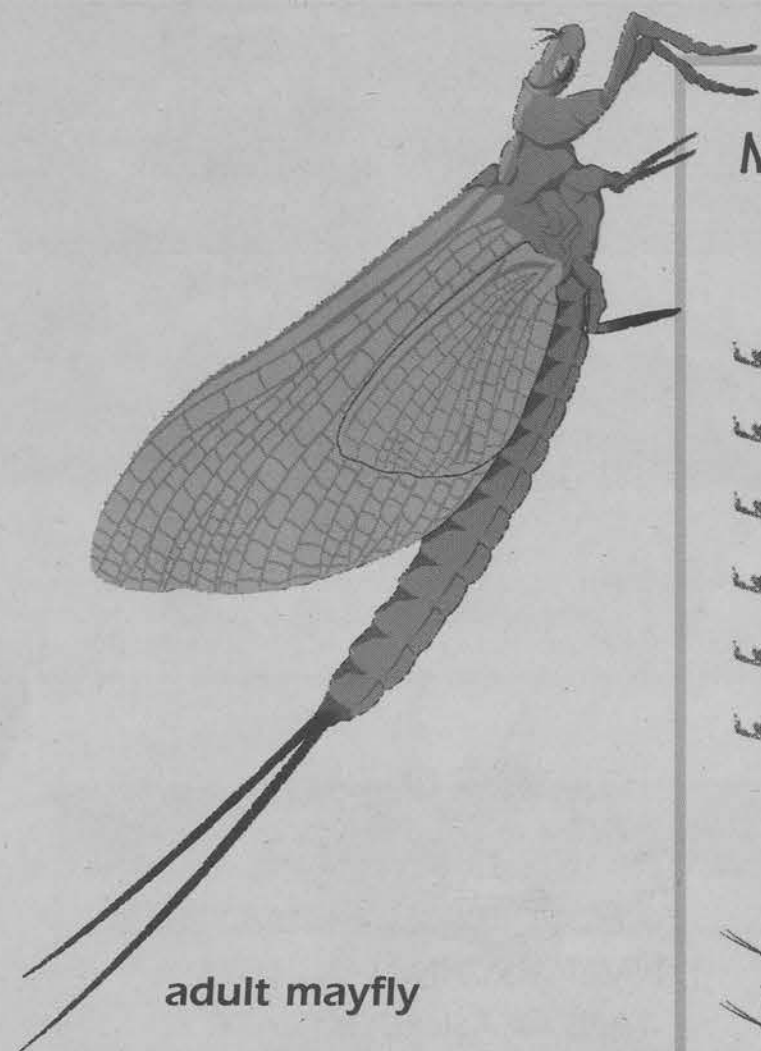
adult mayflies

-  may live only a few hours to a few days
-  they do not eat
-  mate, lay eggs and die
-  important food source for fish
-  sometimes seen in "hatches"
-  four nearly transparent wings

young mayfly (larva)



adult mayfly



GET INVOLVED!

UPCOMING EVENTS and ACTIVITIES

June

- 1 free admission to Minnesota's State Parks
- 1 kiosk dedication at Camden State Park
- 1-7 REDWOOD RIVER CLEAN WATER PROJECT WEEK
- 2-6 Coffee on the Project, (see schedule on this page)
- 6-8 Shades Of The Past - 50's Revival Weekend, Marshall
- 9-15 Fiesta Days, Montevideo
- 13-15 Minnesota Inventors Congress, Redwood Falls
- 13-15 Celebrity Golf Classic, Marshall
- 13-15 Pow Wow - Lower Sioux
- 14-15 Dairy Days, Russell
- 18-21 Western Fest, Granite Falls
- 20-21 Hoboken Days, Fairfax
- 20-21 Tyler Aebleskiver
- 20-22 City & Country Days, Morgan
- 27-29 Riverside Days, Springfield
- 27-29 Friendship Days, Lamberton
- 28 Prairie Days, Lynd
- 28 S.W. Athletic Association 10K Fun Run, Marshall
- 28-29 Fort Ridgely Historical Festival

July

- 3-6 Marshall Celebrates 125th, Marshall
- 4 fireworks, Morton
- 4-6 Wilder Pageant, Walnut Grove
- 4-6 Pioneer Festival, Walnut Grove
- 10-13 Redwood County Fair, Redwood Falls
- 11-13 Wilder Pageant, Walnut Grove
- 11-13 Pioneer Festival, Walnut Grove
- 11-13 Plum Creek Muzzle Loaders, Walnut Grove
- 12 S.W. Athletic Association Biathlon, Marshall
- 12-13 Men's Invitational Golf Tournament, Redwood Falls
- 18-20 Wilder Pageant, Walnut Grove
- 23 Christmas in July, Springfield
- 26 S.W. Athletic Association Triathlon, Marshall
- 25-27 Catfish Derby Days, Franklin
- 28-29 Watermelon Days, Sanborn

August

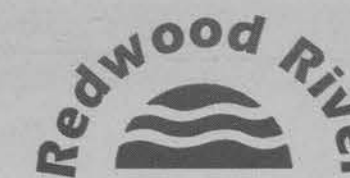
- 5-7 Farmfest
- 7-10 Lyon County Fair, Marshall
- 8-10 Polska Kielbasa Days, Ivanhoe
- 9 Community Festival, Redwood Falls
- 16, 17 Prairie Arts Festival, Marshall
- 16, 17 International Rolle Bolle Tournament, Marshall
- 29-Sept. 1 Gathering of Kinship, Birch Coulee Park
- 30-Sept. 1 Box Car Days, Tracy

September

- 6-7 Boxelder Bug Days, Minneota
- 12-14 Old Sod Days, Velview
- 14 Art in the Park, Sanborn
- 26-28 Autumn in the Country, Vesta

October

- 4 Old Fall Festival, Redwood Falls
- 4 Redwood Area Quilters, Redwood Falls



Clean Water
Project Week
June 1-7, 1997

Redwood River
Clean Water
Project Week
June 1-7, 1997

As proclaimed by Governor Arne Carlson, Redwood River Clean Water Project has been recognized for its contributions to a cleaner and healthier Redwood River. Special activities and events such as "Coffee on the Project" are scheduled for the week. Displays and information about the project will be located in the Redwood Falls Public Library and the Marshall Lyon County library. Details about some of the events are outlined on this page. Everyone is welcome to participate in the activities.

Coffee on the Project

June 2-6, 1997

The coffee is on us.

And depending on where you go,
the rolls and ice cream are too!



In celebration of Redwood River Clean Water Project Week, cafes and restaurants across the Redwood River Watershed are inviting you to stop by for a free cup of coffee. Join us as we begin near the source of the Redwood River on Monday and work our way downstream to Lake Redwood. Dates, locations, and times are listed below.

Join us at one or all of these locations:

- | | |
|------------------|---|
| Monday, | June 2, 6:30-9:30 a.m. Tyler C&K Cafe |
| Tuesday, | June 3, 6:30-9:30 a.m. Lake Benton Some Place Else Cafe |
| Wednesday, | June 4, 6:30-9:30 a.m. Russell Rustle Inn |
| Thursday, | June 5, 6:30-9:30 a.m. Marshall Mike's Cafe |
| Friday, | June 6, 6:30-9:30 a.m. Vesta Don's Cafe |

Tune to 1490 AM (KLGR) or 99.7 FM (KKCK)
for LIVE Radio Broadcasts!

KIOSK DEDICATION CAMDEN STATE PARK JUNE 1

On June 1, 1997, an educational outdoor display will be dedicated at Camden State Park which is located by Lynd, Minnesota.

June 1, is a free entry day at all of Minnesota's State Parks. Camden State Park is a prairie park that offers camping, swimming, hiking and more. The Redwood River runs through the park and adds to its scenic beauty.



A resource investigation program in the Cottonwood River Watershed is scheduled to begin this spring. Sponsored by the Redwood-Cottonwood Rivers Control Area (RCRCA) with financial backing from a Clean Water Partnership grant and member counties, the program will examine a range of factors affecting water quality in the Cottonwood River. This will be followed by an implementation plan that will be based upon goals and objectives developed by local residents and resource management professionals. The process will be concluded by the end of 1998.

CLIP AND SAVE

Minnesota Water Line 1-800-455-4526

The Minnesota Water Line is the state-wide contact for water related questions. Questions about septic systems, aquifer protection, water supply, lakes, rivers, wetlands, household water supply, well design and drinking water will be answered using non-technical language and providing confidential scientifically based information.

The service was developed to help citizens and local decision-makers find their way through the maze of water quality information, or by referral to appropriate volunteers, professionals or state and local agency staff.

The Water Line is available to take your calls from 9 a.m. to 2 p.m. Monday through Friday. At other times leave a message and your call will be returned. The Minnesota Water Line is a partnership of the American Ground Water Trust and the University of Minnesota Extension Service.

WET & PLT THE BEST OF TWO WORKSHOPS

- June 16 & 17
- Camden State Park

Project WET (Water Education For Teachers) is an exciting hands-on, minds-on program in water education. Project WET is an introduction to water and its uses for teachers, future teachers and other educators. Topics include watersheds, aquatic ecosystems, water conservation, ground water, water pollution and prevention and much more.

Project Learning Tree is an interdisciplinary environmentally-focused curriculum written by teachers and designed for integration into the regular curriculum at all grade levels. With trees as a starting place, Project Learning Tree invites teachers, students and others to explore the interrelationship between all living and non-living things.



Both of the workshops will provide you with activity guides packed with interesting hands-on lessons.

FOR INFORMATION CALL OUR OFFICE AT 507/637-2142

Redwood River
Clean Water Project
1241 East Bridge Street
Redwood Falls, MN 56283

The Redwood River Clean Water Project

Is a joint effort of the following people and/or organizations...

- Citizens of the Redwood River Watershed
- Northwest Area Foundation
- Soil and Water Conservation Districts (Lincoln, Lyon, Murray, Pipestone, Redwood & Yellow Medicine)
- Board of Water and Soil Resources
- Department of Natural Resources and the Redwood River Team
- Farm Service Agency
- Lake Redwood Improvement Association, Redwood Falls
- Lake Improvement For Everyone (LIFE), Lake Benton
- Minnesota Pollution Control Agency
- Area II, Minnesota River Basin Projects, Inc.
- Natural Resources Conservation Service
- RCRA Member Counties: Brown, Cottonwood, Lincoln, Lyon, Murray, Pipestone, Redwood and Yellow Medicine)
- McKnight Foundation
- The Wetlands Initiative
- World Wildlife Fund

About This Publication

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Correspondence

Redwood River Clean Water Project
1241 East Bridge Street, Redwood Falls, Minnesota 56283;
Phone: 507-637-2142 — e-mail rrca@rconnect.com — FAX 507-637-2134

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**VISIT US AT
FARMFEST
AUGUST 5, 6, 7
AT
GILFILLAN**

NATURAL RESOURCES

The largest natural resource of the County is the agricultural soils. Most of the topography is flat to gently rolling. Only the Minnesota River slopes and areas along the County's major rivers are unsuited for intensive agriculture. Much of the cropland has deep, fertile, loamy soils. Through proper management and progressing technology, Redwood County remains among the top crop producing counties in Minnesota. Approximately 75% of the cropland soils are categorized as prime agricultural land.

There are five major rivers that cross Redwood County. These are the Minnesota, Cottonwood, Sleepy Eye, Redwood and Ramsey. Rivers provide the needed drainage for cropland and have extensive gravel deposits that are surface mined as needed. Numerous granite quarries are scattered across the County. Most stand idle today. Wetlands and lakes have been converted to cropland through extensive legal drainage systems. Presently, less than one-half of one percent of the County area is classified as lakes or marshes.



UNIQUE AREAS

The Minnesota River forms the northeast boundary of Redwood County. The Cottonwood and Redwood Rivers flow eastward through the district. Since glacial times, these rivers have cut their way deeply into the earth. The rivers are surrounded by wooded escarpments, rocky outcrops and artesian wells. These areas abound with natural beauty and wildlife not found elsewhere in the County. The district will encourage preservation of these areas natural environment.

Author, Laura Ingalls Wilder, wrote novels about the landscape and history of the Walnut Grove area. Preservation of the area's heritage will be supported by the district. This will be promoted by encouraging development of Plum Creek Park and expansion of the local museum.

The Lower Sioux Indian Agency is located in the northeast corner of the district. The Indian Interpretive Center and surrounding areas has historical significance to native Minnesota Indians. Due to high erosive potential of the Indian lands, special conservation practices are needed to control erosion.

Ramsey Park is located adjacent to the city of Redwood Falls. Within the park, Ramsey Creek tumbles over a series of two water falls. This natural rarity and the surrounding bluffs, wooded escarpments and park area is seldom duplicated in nature. Preservation and development of this natural area will be encouraged.

REDWOOD COUNTY



**Ramsey Falls
Redwood Falls
City Park**

HISTORY OF REDWOOD COUNTY

REDWOOD COUNTY was first established in 1862, and is one of the largest counties in southern Minnesota, with 26 townships and 557,474 acres, with 874 square miles, and approximately 20,000 population. At one time there were nearly 150 lakes.

Steamboat travel started up the Minnesota River in 1850, and reached into Redwood County in 1853, bringing in supplies and people and carrying out wheat.

The railroads came into the southern part of the County in 1873 and to Redwood Falls in 1878. The northern part was served in 1884.

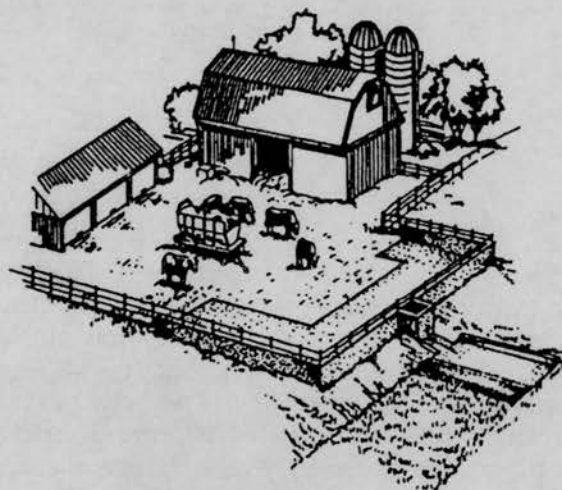
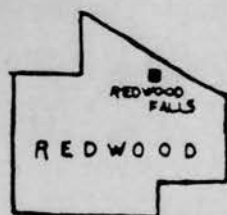
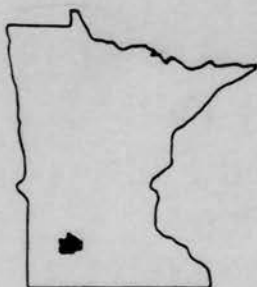
At one time there were 116 school districts in the County.

There are 15 cities in the County, more than most.

The oldest building still in use was built in 1861, the old Agency Stone House, about 8 miles east of Redwood Falls, where the oldest cemetery is located.

The first saw mill was on the Redwood River at the Falls, built in 1855 by the United States Government.

The first courthouse (wood) was built in 1873, and replaced in 1891 with the present brick one, with additions in 1963, and 1967.



FARMING FACTS

Redwood County is basically a high intensity farming community. Devoting most of their land to two major crops, corn and soybeans. Following is a list of the crops commonly grown and the approximate acreage of each found in the County.

CROP	ACRES Planted	Tons/Bu per acre
Soybeans	236,600	42.0 Bu.
Corn	208,700	121.0 Bu.
Oats	12,800	48.0 Tons
Hay	11,200	3.6 Tons
Wheat	2,600	34.0 Bu.
Sugar Beets	3,000	16.2 Tons

Note: The acreage may vary from year to year according to crop rotation.

There are still some farms interested in livestock production in the County. However, the interest has changed from cattle or beef production to hog and pork production with limited interest in dairy, sheep and poultry. The overall interest of livestock production has dropped considerably over the last 10 years.

There are approximately 2470 farms found in Redwood County, ranging from small hobby farms to large corporate operators. The main family farm averages 225 acres of tillable land.

If you would happen to be interested in purchasing a farm in Redwood County you could possibly find some land for as little as \$1000 per acre for some of the poorer farm land or as high as \$3200 per acre for the better land. Most of the farms have been selling for \$2300 per acre.



CLIMATE

The annual rainfall ranges from 24-27 inches with approximately 13 inches occurring during the crop growing season.

A growing season of about 115 days is expected with about 180 frost free days each year. Summer temperatures frequently exceed 90 degrees F with Redwood Falls often being the hottest location in the state. On the average, summer temperatures are optimum for crop production.

Beautiful Alexander Ramsey Park, which has been termed "The Little Yellowstone of Minnesota," spans 217 acres as the largest municipal park in Minnesota. The vast features of the park have something for everyone.

Ramsey Park features three distinct picnic areas which have been carved out of the park's natural woodlands.



Lower Shelter Area: The park's original and largest passive recreation area features the 1930's W.P.A. Vintage Lower Shelter with its massive timber and granite construction. Nearby activities include a wooden playground structure, the Ramsey Park Zoo, and campground/restroom facilities.



Ramsey Falls Area: One of the park's most popular attractions is the Ramsey Falls' observation area, which utilizes rather unique bridges and pathways to access many varied scenic vistas of Ramsey Falls and Ramsey Creek. The Falls area also provides ample picnic space with an open shelter, modern restroom building, and access to some of the park's most scenic hiking trails.

Photo by Elaine Jenniges

Zeb Gray Overlook Area: Recently developed, this portion of the park features the unique Zeb Gray Shelter with scenic overlook of the Redwood River and the park's hogback peninsula. This area also has ample picnic space with an additional open shelter, playground structure, and access to the original Redwood Falls which is spanned by a new pedestrian bridge, providing a striking view of the Redwood River gorge.



Other Park Amenities Include:

Ramsey Park Zoo: A favorite among visitors of all ages. The small zoo features permanent populations of buffalo, elk, deer, prairie dogs, along with numerous species of upland game and water fowl.



Ramsey Park Trail System: You can access the system from the Trailhead Overlook behind the E.L.C.A. (Hwy 19 & 71) or at any of the numerous signed trailheads within the park. Miles of paved trails and numerous footbridges allow hikers a chance to crisscross Ramsey Creek and the Redwood River, exploring the beautiful relief sculptured by decades of water erosion on the park's wooded environs.

Ramsey Park Campground: Has 28 individual sites, some have 15 amp. electrical hookups. There are associated restroom facilities with modern services, city water, and sanitary disposal station for recreational vehicles.

Vita-Exercise Course: A 10-station, 1/2 mile exercise course runs through the wooded park near the confluence of Ramsey Creek and the Redwood River.



Welcome to

ALEXANDER RAMSEY PARK

Redwood Falls, Minnesota 56283

A Park for all Seasons!

Come ...

an invitation
to everyone
all year round!



Photo by Mary Flinn

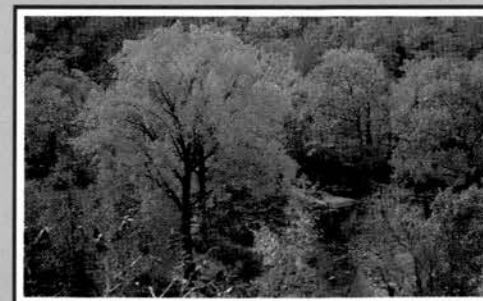


See ...

the beautiful
scenery, the
Falls, the zoo!

Enjoy ...

the
recreational
activities!



Ramsey Park
offers scenic
beauty and
adventure all
year around
to those of
any age.

Explore the hiking and skiing trails . . . Camp or picnic at the shelter houses . . . Visit the zoo and view Ramsey Falls . . . let the children play while you enjoy the scenery . . . Drive through or stay a day and play at Southwest Minnesota's finest park!

Photos by Diana Schultz except where noted

**R. F. SPORTSMENS CLUB
Wildlife Habitat**

Trillium

MARKER ON DECOMPOSED GRANITE CLIFFS.

ALEXANDER RAMSEY PARK

Redwood Falls, Minnesota 56283

THE LARGEST MUNICIPAL PARK IN MINNESOTA

ALEXANDER RAMSEY WAS THE FIRST TERRITORIAL GOVERNOR WHEN THE TERRITORY WAS ESTABLISHED IN 1849. A MAYOR OF ST. PAUL, THE SECOND GOVERNOR OF THE STATE FROM 1860 - 1863, A UNITED STATES SENATOR AND THE SECRETARY OF WAR IN PRESIDENT HAYES CABINET.

ALEXANDER RAMSEY PARK WAS FOUND AS A STATE PARK IN 1911.

ALEXANDER RAMSEY PARK HAS BEEN CALLED "THE LITTLE YELLOWSTONE OF MINNESOTA."

THE FLOOD OF 1957 DESTROYED THE GIRL SCOUT CABIN.

Girl Scout Island

SHELTER

THE DEPARTMENT OF NATURAL RESOURCES ANNUALLY STOCK A MINIMUM OF 400 GERMAN BROWN TROUT INTO RAMSEY CREEK.

Jack-in-the-Pulpit

GRAY'S PASTURE.

RAMSEY CREEK

RAMSEY CREEK FLOWS INTO THE REDWOOD RIVER, THEN INTO THE MINNESOTA, THEN INTO THE MISSISSIPPI, AND THEN INTO THE GULF OF MEXICO.

Beecher Trail

Redwood County Museum

THE REDWOOD COUNTY POOR FARM, CONSTRUCTED IN 1908 ON THE WEST EDGE OF THE PARK, NOW HOUSES THE REDWOOD COUNTY MUSEUM AND MINNESOTA INVENTORS HALL OF FAME.

THE MOST PHOTOGRAPHED OBJECT IN REDWOOD FALLS.

RAMSEY FALLS

OBSERVATION DECK

SUSPENSION BRIDGE

GOVERNOR EBERHART APPOINTED JOSEPH TYSON FIRST SUPERINTENDENT OF RAMSEY PARK IN 1912.

HISTORIC PARK FACTS

- ALEXANDER RAMSEY PARK WAS A STATE PARK FROM 1911 UNTIL 1957.
- IN 1957 THE STATE OF MINNESOTA SOLD THE PARK TO THE CITY OF REDWOOD FALLS FOR \$1.00.
- IN 1957 THE STATE CHARGED A 25 CENT ENTRY FEE, ONCE THE CITY GAINED OWNERSHIP, PARK USAGE WAS FREE.
- A SPECIAL PIECE OF MUSIC WAS WRITTEN FOR RAMSEY PARK IN 1929 - THE RAMSEY PARK MARCH.
- THREE UNIQUE STRUCTURES: THE LOWER SHELTER & RESTROOM BUILDING, AND THE SWAYBACK BRIDGE, WERE BUILT IN 1938 BY THE W.P.A. USING LOCAL GRANITE.

CURRENT PARK FACTS

- THERE ARE 217 ACRES IN RAMSEY PARK.
- THERE ARE 3 1/2 MILES OF HIKING TRAILS, 2 MILES OF PAVED TRAILS.
- THERE ARE EIGHT BRIDGES IN THE PARK.

SCENIC

SHELTER

PLAYGROUND

Ball Field

PARKING

SWAYBACK BRIDGE

Duck Pond

Deer

ZOO

Buffalo

Eik

Diriam Trail

Sanders Trail

Beecher Trail

PARKING

PARKING

DALE SEITH MEMORIAL MARKER

VITA COURSE (exercise course)

FALLS SHELTER restrooms

PARKING

PLAYGROUND

picnic

MOREL MUSHROOM PICKING IS A POPULAR ACTIVITY IN THE PARK.

ZEB GRAY SHELTER

REDWOOD RIVER

HOG'S BACK

McPhail Trail

REDWOOD FALLS BRIDGE & OVERLOOK

OLD MILL POND

Public Terrace

BRIDGE STREET

Hwy. 19

Lake Redwood

Hwy. 71

Map by Glendalynne Beauzay
Drawings by Gretchen Farnberg
Belles Lettres and Audacia Study Clubs
Revised by Michael Salmon

1988

1991

LINCOLN STREET

ALEXANDER RAMSEY PARK
REDWOOD FALLS, MINNESOTA 56283

WALNUT GROVE

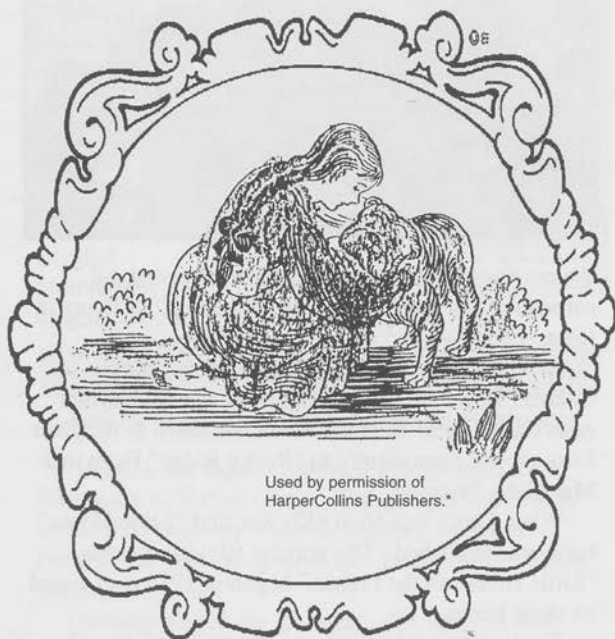
and the

Laura Ingalls Wilder

Historic Highway

1997

"Banks of Plum Creek" Book
60th Anniversary.



Contents

Laura's History	1	<i>Walnut Grove</i>	10-14
Laura Sites	3	Tracy	15
Mankato/N Mankato	4	Balaton	16
New Ulm	5	Tyler	17
Sleepy Eye	6	Lake Benton	18
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Lamberton	9	Lodging	23-24

History of Laura Ingalls Wilder

In 1874, seven year old Laura Ingalls and her family traveled by covered wagon from Wisconsin's big woods to the prairie of Walnut Grove.

The family's first home was a one room sod dugout in the banks of Plum Creek. Laura wrote "...it was not much bigger than our covered wagon." The next year, with hopes of a good wheat harvest, Pa built "the wonderful house" of wood.

Two years of drought and grasshopper plagues forced the Ingalls and other pioneer families to leave their farms. After several months in Burr Oak, Iowa, where they helped run a hotel, the Ingalls returned to



Walnut Grove. Pa opened a butcher shop and did carpentry. Ma loved the "civilized feeling" of living in town. Laura worked at the Masters Hotel.

In 1879, the Ingalls moved to De Smet, South Dakota. Laura taught school and, at age 18, married Almonzo Wilder. In 1894, Laura, Almanzo & daughter Rose moved permanently to "Rocky Ridge" Farm near Mansfield, Missouri.

When Laura was 65 (1932), her first "Little House" book was published. The popular television series "Little House on the Prairie," begun in 1974, was based on these books.

The book "On the Banks of Plum Creek" describes Laura's life in Walnut Grove. Surprisingly Walnut Grove is not mentioned in the book. Laura explained, "At the time, I did not realize I was writing history."

* ON THE BANKS OF PLUM CREEK by Laura Ingalls Wilder. Copyright © 1939, as to text by Harper & Brothers. Text Copyright © renewed 1967 by Roger L. MacBride. Illustrations by Helen Sewall.

Walnut Grove

On the banks of Plum Creek

- **Ingalls' Dugout Site** - primitive & serene
- **Wilder Museum** - exhibits & "Laura's Room" with Laura's quilt, "Grandma's" house; doll collection
- **Wilder Pageant** - portrays Laura's youth and family life, the good times & hardships
- **Pioneer Festival** - music, crafts, food
- **Plum Creek Park** - swim, fish, camp, hike
- **Wahpeton Prairie** - prairie as Laura saw it
- **Walnut Station Fine Arts Center** - historic building with art gallery

Come visit the uncrowded prairie and find the serenity the Ingalls loved and cherished.

Souvenirs and gifts are available at the Museum, local shops, and at the Wilder Pageant.

Enjoy meals at local cafes. Bus tours and groups, meals and guides are available with advance

reservations. For lodging see Motel & Camping pages 23 & 24.

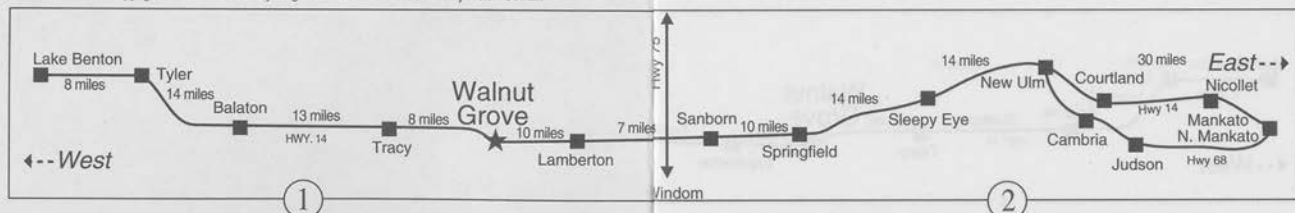


More on Walnut Grove, pages 10-14

Laura Ingalls Wilder Historic Highway

In 1874, the Ingalls followed a rough path from Wisconsin to Walnut Grove. Today, a portion of that route, U.S. Highway 14 from Mankato to South Dakota, has been designated the "Laura Ingalls Wilder Historic Highway."

Communities along the route offer services and attractions to make your journey to "Wilder Country" complete. The following pages introduce each community. Other attractions, lodging, and information sources are listed later in this booklet.



Other Laura Sites

Continue your travels along the Laura Ingalls Wilder Historic Highway and visit other sites (see map on page 20).

Spring Valley Historical Society

(221 W. Courtland St., Spring Valley, MN 55975): Visit the church built in 1876 when the James Wilder families were members. Almonzo and Laura Ingalls Wilder attended here in 1890 and 1891. The museum exhibits includes a Wilder photo display. (507-346-2763 or 7659)

Laura Ingalls Wilder Park and Museum

(Box 354, 3603 236th Avenue, Burr Oak, IA 52131): The museum is located in the restored Masters hotel which Ma and Pa Ingalls managed and where Laura also worked. (319-735-5916)

Laura Ingalls Wilder Museum

(P.O. Box 269, Pepin, WI 54759): Laura was born near Pepin in 1867. Her first book, "Little House in the Big Woods" was set near Pepin.

Laura Ingalls Wilder Society

(P.O. Box 344, DeSmet, SD 57231-0344): Laura tells the story of the Ingalls and Wilder families during 1879-1894 in the DeSmet area in six of her books. DeSmet and the surrounding countryside is full of Ingalls-Wilder sites. (605-854-3383)

Other sites not on the Historic Highway are:

Little House on the Prairie

(P.O. Box 110, Independence, KS 67301): They moved from Pepin and settled here for a short time in 1870. They then learned that they were occupying Indian lands and moved back to Pepin. (316-331-6247)

Laura Ingalls Wilder Museum

(Route 1, Box 24, Mansfield, MO 65704): Laura and Almonzo moved to Rocky Ridge Farm in 1894 where they lived until their deaths. This museum contains much of the Wilder household memorabilia. (417-924-3626)

Mankato & N. Mankato

Minnesota's other Twin Cities

Mankato/North Mankato is located in the beautiful Minnesota River Valley of south central Minnesota and offers a wonderful blend of large city amenities and hometown hospitality. In the television series "Little



House on the Prairie," the Ingalls family traveled to Mankato for supplies and medical needs. Today, Mankato still services southwestern Minnesota as a retail and medical center.

Attractions

- **Blue Earth County Heritage Center Museum**
- **R.D. Hubbard House and Carriage House** - oldest remaining 19th century mansion in the area
- **Betsy-Tacy Tour** - childrens author Maud Hart Lovelace wrote a series of books set in Mankato
- **Antique Shops** - 15 shops to browse, wide selection
- **Shopping** - River Hills Mall, Madison East Center, or Mankato Place
- **Parks** - beautiful Sibley Park or Spring Lake Park

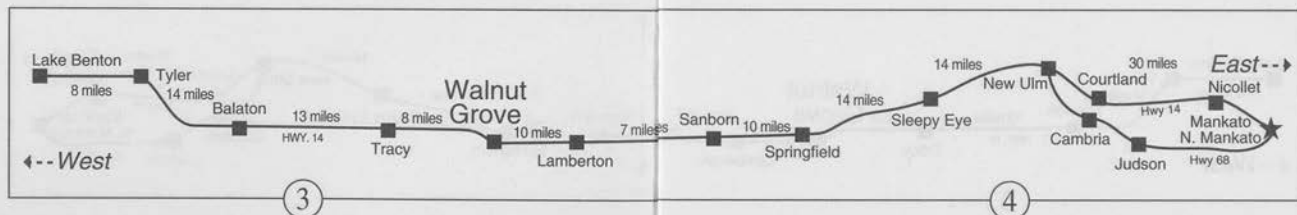
Events & Festivals

- **International Festival** - early April
- **Cedar Grove Mountainman Rendezvous** - mid May
- **People's Fair** - mid May
- **North Mankato Fun Days** - early July
- **Minnesota Viking Training Camp** - mid July-mid Aug.
- **Mahkato Mdewakanton Pow Wow** - mid September
- **Celebration of Lights** - Thanksgiving to New Years

Call for a visitors guide and calendar of events

For more information, contact...

Chamber & Convention Bureau
PO Box 999, Dept WG
Mankato, MN 56001
(507) 345-4519 or (800) 657-4733



New Ulm

Discover Germany in Minnesota

Nestled between two rivers, New Ulm is located just 90 miles southwest of the Twin Cities and 52 miles to the east of Walnut Grove on the Laura Ingalls Wilder Historic Highway. New Ulm is proud of its rich German heritage, and much of its pride can be found in its architecture, shops and festivals.

Attractions

- **Glockenspiel** - musical animated clock tower
- **Hermann Monument** - spectacular view of city, 102 feet high - celebrating 100 centennial
- **Schells Brewery** - brewery, gardens, museum, tours
- **John Lind Home** - Victorian mansion of state's 14th governor
- **Wanda Gag Home** - children's author and illustrator
- **Holy Trinity Cathedral** - superb art & windows
- **County Museum** - Native American & local history exhibits
- **Way of the Cross** - imported from Bavaria, 1904
- **Harkin Store** - historic river store, 7 miles west of city



City of Festivals

- **Heritagefest** - two weekends in July
- **Oktoberfest** - first two weekends in October
- **Minnesota Festival of Music** - held in April
- **Fasching** - Saturday before Ash Wednesday
- **Bock Fest** - held in conjunction with Fasching
- **Blues Festival** - held in June
- **Brown County Fair** - held each August

A variety of restaurants and motels help complete your visit.

For more information, contact...

Convention & Visitors Bureau
PO Box 862 WG
New Ulm, MN 56073
(507) 354-4217
Toll Free: 1-888-4 New Ulm

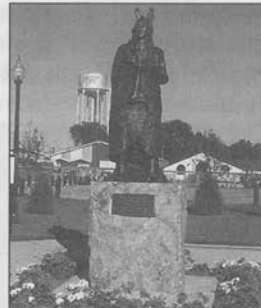
Specialty Shops

Sausage Shop
Fudge Shop
German gifts
Christmas Haus
Craft stores
Doll House
Antique Shops

Sleepy Eye

Native American Heritage

Sleepy Eye was named for Ish-Tak-Ha-Ba, a **Sisseton Dakota Chief** who lived on the shore of Sleepy Eye Lake. A tall **obelisk monument** marks the Chief's final resting place at the Depot Museum. Nearby stands a large **bronze statue** of the Chief.



Pioneers such as Laura Ingalls and her family visited Sleepy Eye to attend ballgames, buy kerosene or calico for dresses, and bring wheat to the flour mills. Collectors memorabilia from the **Sleepy Eye Milling Co.** is displayed at the **Depot Museum**.

Approaching town, eyes are drawn to the spires of beautiful **St. Mary's Church**. Visitors are welcome inside its magnificent interior.

Sleepy Eye's **eating and lodging** facilities cater to individuals, families, and groups up to 1,000. Swim, fish, boat and camp at **Sleepy Eye Lake**. Motels have a pool or lounge. Restaurants vary from fast food chains to family restaurants to fine dining. Souvenirs, gifts, and antiques are available in historic downtown.

Special Events

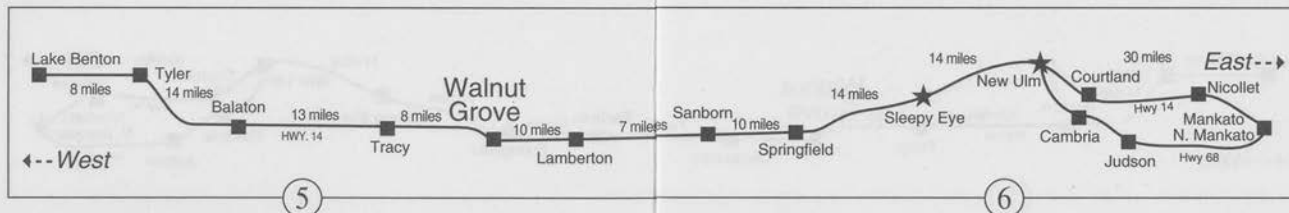
- **July 3-6, 1997** - *Sleepy Eye's 125th Anniversary Celebration*: street dance, fireworks, parade, car show
- **August 28, 1997** - *Buttered Corn Day*: free sweet corn, entertainment, flea market
- **September 28, 1997** - *Great Grassroots Gathering*: craft show and flea market
- **November 22 & 23, 1997** - *Homes for the Holidays*: A tour of five homes decorated for the holidays

For more information, contact...

Convention & Visitors Bureau
108 West Main, Dept WG
Sleepy Eye, MN 56085
800-290-0588 or (507) 794-4731



ISH-TAK-HA-BA
Chief Sleepy Eye



Springfield

A sharing community

Springfield's downtown has both beauty and dignity that derives from its turn-of-the-century brick buildings. Main street exudes an **old-fashioned charm**. Since 1891 Ochs Brick Co. has provided the bricks for these buildings. The **1892 Opera House** shown here is now being restored.



While Laura & Mary Ingalls cooled off in Plum Creek, today's youth delight in Springfield's **waterslide** and **spacious swimming pool**.

The recreational complex at Riverside Park also features a campground, new playground equipment, picnic shelters, and more.

Life in the 1880s is illustrated in a huge **pioneer mural** on the south wall of Southwest State Bank.

Religious holidays were important times for the Ingalls family. Springfield shares this Christian heritage with a unique **outdoor Christmas Nativity Pageant** each year, the third weekend in December. 200 townspeople tell the Christmas story under the stars in Riverside Park. A 50 voice choir plus live manger scene and camels highlights this event. Free admission.

Special Events

- **Riverside Days** - a hometown celebration in June
- **Christmas in July** - Mr. & Mrs. Santa Claus, sounds and sights of Christmas in Riverside Park, 4th Wed.



For more information...

Chamber of Commerce
PO Box 134 WG
Springfield, MN 56087
(507) 723-6240

Sanborn

A Little Town on the Prairie

Laura would love this prairie town. Each year, Sanborn celebrates its small-town closeness with three festivals. **Watermelon Days, Art in the Park, and Memories of a Hometown Christmas**. Laura would enjoy the queen



Sod House on the Prairie Bed and Breakfast

pageant, the carnival, the parade, the Christmas lights, trees and carolers.

The buffalo still roam near Sanborn. Drive west out of Sanborn past the **Farmer's Golf Course** and look for them nearby. A hungry Laura would stop at **the Sanborn Cafe, the Corner Corral Restaurant, or the Dairy Queen**. If Laura wanted to camp, the **Sanborn City Park** is a lovely spot.

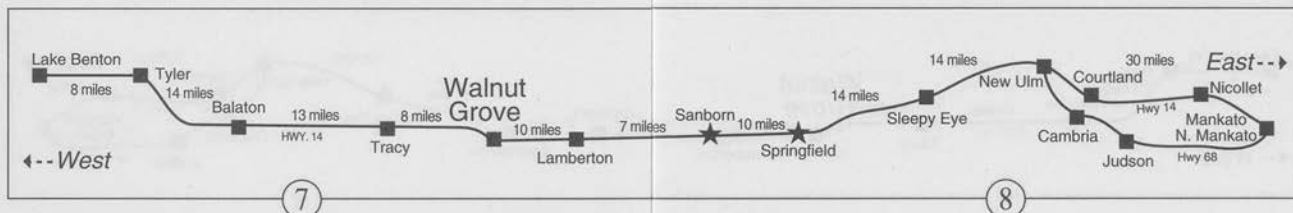
At the **Sod House on the Prairie Bed and Breakfast** and **Wildflower Exhibit** northeast of Sanborn, she would find her "prairie" once again. Bluestem and Indian grasses are waving in the wind, and colorful wildflowers are blooming. Laura could step inside a "soddy" and a "dugout." She would love the trails that identify the wildflowers and grasses. Laura could be a pioneer again by staying over night at this unique **Bed & Breakfast** sod house.

Special Events

- **Watermelon Days** - July 21 & 22
- **Art in the Park** - September 14
- **Memories of a Hometown Christmas** - Dec. 13
- **Redman's Christmas Lights Display** - (Thanksgiving - New Year's)

For more information, contact...

Sod House on the Prairie Bed and Breakfast
Rt 2, Box 75 WG, Sanborn, MN 56083-9461
(507) 723-5138



Lamberton

Remembering the past...Creating the future

In the 1870s, Pa Ingalls used simple methods to grow wheat. Today, farming is a complicated business, harnessing technology while protecting the environment. Lamberton's **Agriculture Experiment Station**, a University of Minnesota research facility, helps farmers meet this challenge. Visitors are welcome. For tours, call (507) 752-7372.

If you like Victorian architecture, drive down quiet streets to see the **turret homes**, 12 homes in all. The Anderson House, 402 4th Ave. W., is on the National Register of Historic Places.



- **Tuba Sculpture** - 607 S. Fir Street
- **Korean War Monument** - 611 S. Grove Street
- **Upstairs, Downstairs, Antiques** - Main Street
- **Kuhar Park & Dam** - camping, fishing, 1 mile north
- **Friendship Days** - 125th Anniversary and All-Class Reunion - June 27, 28, 29
- **Jazz Festival** - generally last Tuesday of March

Farmers in Pa Ingalls' time relied on blacksmiths to repair farm equipment.



Lamberton's unique **Hanzlik Blacksmith Shop** is a turn-of-the-century shop with tools left in place when the owner retired. It is open by appointment: 752-7601, Daytime; 752-7063, Evenings and Weekends.

For more information, contact...

Elaine Hansen
909 So. Cherry St.
Lamberton, MN 56152
(507) 752-7063



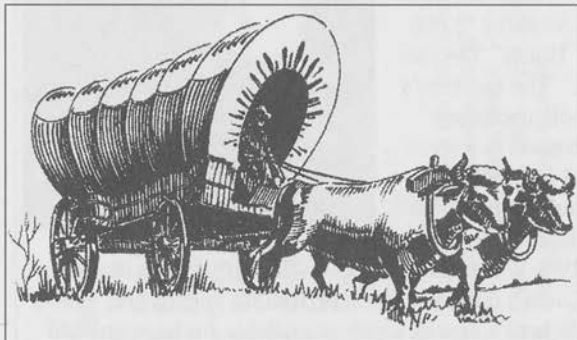
Walnut Grove

Childhood home of pioneer author

Laura Ingalls Wilder

Laura's philosophy of life was...

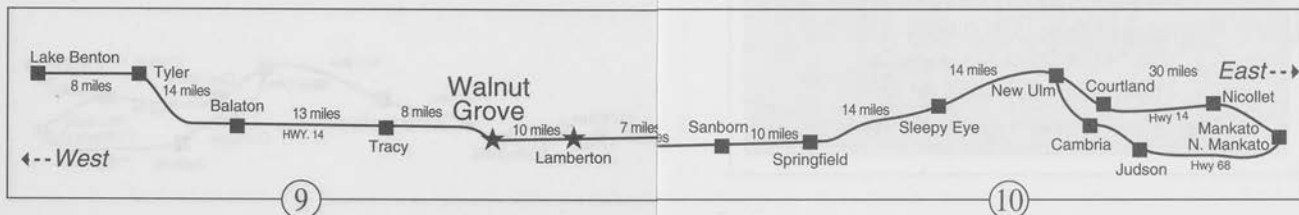
- Be honest and truthful
- Make the most of what you have
- Be happy with simple pleasures
- Have courage when things go wrong



Today you experience this philosophy in Walnut Grove. The community's pride in its Ingalls' heritage is reflected in the varied attractions that inform and entertain visitors from around the world.

- Wilder Museum**..... Interprets Laura's years on the prairie & turn-of-century life
- Wilder Pageant**..... Portrays the good times and hardships of pioneer living
- Ingalls' Dugout Site**... Primitive and peaceful ruins, 1-1/2 miles N. on County Rd. 5
- Plum Creek Park** Swimming and fishing lake, camping, hiking, playground
- Pioneer Festival** Showcases yesterday's music, skills, crafts, and food
- Wahpeton Prairie**..... Natural prairie as Laura saw it
- Walnut Station** Historic building with art
- Fine Arts Center** gallery

Shopping for gifts, souvenirs, and crafts. Meals and guides available for bus tours and groups.



Walnut Grove's Wilder Museum

- **Quilt** - handmade by Laura & daughter Rose
- **Bible** - from the church the Ingalls attended
- **Scale Models** - of Ingalls' farm & TV series homes
- **Historic Documents** - photos, letters, articles

• **Memorabilia** of visits by "Little House" TV stars

The museum's collections are housed in a series of **interesting buildings** - a 1898

depot which in 1996 will feature a "Laura's Room" exhibit including Laura's quilt and artifacts from the Ingalls era; 1880's "school"; chapel which is available for baptisms and weddings and an onion-domed 1890 home with period furnishings in the kitchen, parlor and bedroom.



Enjoy the **Kelton Doll Collection** which displays 250 dolls, from the 1870's to modern times.

A wide selection of locally handcrafted items, books, and souvenirs are

available in the gift shop or by mail.

- **Walnut Station Fine Arts Center** - downtown historic building with art gallery.

Information/Admission

Memorial Day to Labor Day... 10 am - 7 pm
May and September 10 am - 5 pm
April and October 10 am - 3 pm

Other times by appointment

ADMISSION

Laura Ingalls Wilder Museum
and Walnut Station Fine Arts Center
330 Eighth St - PO Box 58 WG
Walnut Grove, MN 56180 USA
800-761-1009 (recorded message)
Phone (507) 859-2358 or 2155

Buses welcome all year; appointments recommended



Wilder Pageant - "Fragments of a Dream"

1997: Fri, Sat, Sun, July 4 - 6, 11 - 13, 18 - 20

The little girl with the long brown hair would find it hard to believe that more than 100 years after she and her family lived on the banks of Plum Creek near Walnut Grove, Minnesota, thousands of people would sit on a hillside and listen to her story.

Selected to "Top 25 Minnesota events"

Exactly this happens each year when the Laura Ingalls Wilder Pageant is presented. This outdoor pageant, which started as an indoor play in 1978, proved so popular that it is now staged in a natural amphitheater west of Walnut Grove along the banks of Plum Creek.

The script follows Laura's story "On the Banks of Plum Creek," with "Laura" narrating the two act drama. Hydraulically operated sets, live animals, special effects, and artistic lighting and sound systems add to the professionalism of the production.

The Wilder Pageant is produced entirely by residents of the Walnut Grove area who give up their summer each year to provide family entertainment for visitors from around the country and world.



*The sun goes down,
the lights go up,
and so begins the
magic on the
hillside...over a
hundred years ago,
when life was
simple, when
dreams were
plentiful and family
love was for a
lifetime.*

Information/Admission

General Admission \$6.00

Reserved Admission \$7.00

(Pre-school free in General Admission)

7:00 pm - Gates open

8:00 pm - The Pageant Singers

9:00 pm - Pageant Performance

Discount
for tour buses
& groups

Wilder Pageant Committee

PO Box 313 T

Walnut Grove, MN 56180

800-761-1009 - (recorded message)

Phone (507) 859-2174

FAX (507) 859-2114

E-Mail: wpageant@rconnect.com

Pioneer Festival

- Country, folk, bluegrass, & popular music
- Pioneer crafts demonstrations
- Childrens activities
- Heritage booths
- Gifts, souvenirs, & crafts



Come sit along the banks of Plum Creek and enjoy the festival. Experience a bit of life from the 1870s.

Admission \$2.00 (ages 10 and above)

Location Wilder Pageant Grounds

1996 Dates..... Sat & Sun July 12-13 & 19-20
11 am to 6 pm

Chili Cook-Off

July 12, 1997 - 2 pm • Wilder Pageant Grounds

Sponsored by the Walnut Grove Jaycees

Sanctioned by the International Chili Society

For applications:

PO Box 214 WG

Walnut Grove, MN 56180

Black Powder Shoot

July 12 - 13, 1997

CAPS - VISOR WITH WAGON LOGO

- _____ Adults - brown or gold, \$4.50
- _____ Childs - light or medium blue, \$4.50

CERAMIC CUPS

- _____ Blue or brown (Ox & Wagon logo), \$5.00
- _____ Cats on cup, \$5.50
- _____ Horses on cup, \$5.50
- _____ Plate (Ox & Wagon logo) blue or brown, \$5.50

HANDCRAFTED ITEMS AND MISCELLANEOUS

- _____ Wooden Yo-Yos or Tops, \$1.50
- _____ Wooden mini school desk, 5x5 1/2", \$7.75
- _____ Wooden wagon, 6x3, \$4.00
- _____ 9 Patch Potheholders, \$3.00
- _____ Miniature wooden outhouse, \$6.50
- _____ Miniature covered wagon, 6x3, \$9.50
- _____ Covered wagon, 12x7, \$25.00
- _____ Wooden round Christmas ornament, 1 1/2", \$3.00
- _____ Barbie prairie dress, assorted colors, \$5.00
- _____ Barbie apron and bonnet, muslin, \$5.00
- _____ Pin cushion, crocheted yarn, \$2.75
- _____ Key chains, bronze or metal, round, \$3.00
- _____ Afghan, Plum Creek scenes, 62x46, burgundy and forest green, \$54.95
- _____ Tote bag, Laura picture, \$9.95
- _____ Ruler, Ingalls homes, \$1.00

CHARMS

- _____ Museum charm, oval, color, \$2.00
- _____ Walnut Grove Shield, silver or gold, \$1.50
- _____ Bracelet with charms, silver or gold, \$4.00

LITTLE HOUSE CHRISTMAS ORNAMENTS - GOLD METAL

- _____ Mansfield, Missouri, \$8.50
- _____ Big Woods, \$8.50
- _____ Little House On The Prairie, \$8.50
- _____ Farmer Boy, \$8.50
- _____ On The Banks Of Plum Creek, \$8.50

BONNETS, SOLD OR PRINT. ASSORTED COLORS

- _____ Baby, under 18 months, \$7.50
- _____ Small, up to 6 years, \$7.50
- _____ Medium, 6 to 10 years, \$7.50
- _____ Large, 11 years and older, \$7.50

POSTCARDS, COLOR

- _____ 1. English Lutheran Church (bell), \$.20
- _____ 2. Main Street of Walnut Grove, \$.20
- _____ 3. Museum, 1985, \$.20
- _____ 4. Walnut Grove Water Tower, \$.20
- _____ 5. Set of 14 color cards of Laura's homes, \$2.00

POSTCARDS, BLACK AND WHITE

- _____ 6. Three Sisters - Mary, Laura, Carrie, \$.15
- _____ 7. Pa & Ma Ingalls, 1880, \$.15
- _____ 8. Laura & Almanzo, 1935, \$.15
- _____ 9. Cong. Church & Laura's favorite scripture, \$.15
- _____ 10. Cong. Church without scripture, \$.15
- _____ 11. TV's Ma Ingalls, Karen Grassle, \$.15
- _____ 12. TV's Ma, by rock, \$.15
- _____ 13. Laura at age 27, \$.15
- _____ 14. Laura at age 65, \$.15
- _____ 15. Laura & Almanzo, about 1885, \$.15
- _____ 16. Ingalls family, about 1885, \$.15
- _____ 17. Monument, \$.15

POSTERS, \$.50 EACH

- _____ 1. Pioneer Author's life, black & white, 35x22
- _____ 2. Laura's homes, color, 24x19
- _____ 3. Laura at 24, sepia, 20x16
- _____ 4. Ingalls family, 1891, sepia, 20x16
- _____ 5. Plum Creek, color, 18x24

DOLLS**China**

- _____ Shepherdess figurine, \$19.95
- Bisque (face, arms, legs)**
- _____ Large, 17 1/2", Laura - \$60, Mary, \$60, Carrie, \$52
- _____ Mini, 6" tall, Laura and Mary, \$12.50 each
- _____ Mini, 4 1/2" tall, Carrie, \$10.00

Cloth (hand painted acrylic faces), regular size

- _____ Pa, 16", \$15.00
- _____ Ma, 16", \$15.00
- _____ Laura, 12", \$12.00
- _____ Mary, 13", \$12.00
- _____ Carrie, 10", \$10.00
- _____ Grace, 8", \$10.00
- _____ Set of 6 dolls, above, \$74.00
- _____ Charlotte doll, replica, 16", \$18.00
- _____ Wooden doll stand, walnut, specify doll size, \$4.00

Cloth, Mini-Sized Dolls

- _____ Pa, 11", \$9.50
- _____ Ma, 10", \$9.50
- _____ Mary, 8", \$8.50
- _____ Laura, 7", \$8.50
- _____ Carrie, 5", \$7.50
- _____ Grace, 4", \$7.50
- _____ Set of 6 dolls, \$51.00 (above)
- _____ Wooden Doll Stand, specify doll size, \$3.50

Pewter Dolls

- _____ Pa, 3", \$15.50
- _____ Ma, 2 3/4", \$15.50
- _____ Mary, 2 1/2", \$11
- _____ Laura, 2 1/4", \$11
- _____ Carrie, 2 1/2", \$10
- _____ Grace, 1 1/2", \$7
- _____ Almanzo, 2 1/4", \$11
- _____ Jack (dog), \$5.50

Paper Dolls

- _____ Ingalls family, to color, \$5.00
- _____ Paper dolls of the Big Woods, \$6.95
- _____ Paper dolls of Christmas In Big Woods, \$6.95

CUSTOMER INFORMATION

NAME _____

ADDRESS _____

CITY _____ STATE _____ ZIP CODE _____

Museum Admission \$2.00 per person - Under 5, free
 Three rooms - decorated in pre-1920 style
 Plus one room of 200 dolls dating from 1860s
 Also visit Walnut Station, restored bank building and
 Art Gallery, located on Main Street

ORDERING INFORMATION

Please include shipping & Handling Charges

SHIPPING CHARGES:

Up to \$2.00 add \$1.00
 \$ 2.01 - \$ 6.00 add \$2.50
 \$ 6.01 - \$15.00 add \$3.50
 \$15.01 - \$25.00 add \$5.00
 \$25.01 & over add \$5.50
 Add 30% for overseas orders

SEND ORDERS TO:

Wilder Museum
 330 Eighth Street
 PO Box 58
 Walnut Grove, MN 56180
 USA
 507-859-2358 or 2155

Please send checks or money orders
 Minnesota residents: Please include 6.5% sales tax

1997 PAGEANT DATES: July 4-5-6 ♦ 11-12-13 ♦ 18-29-20

WILDER MUSEUM MAIL ORDER PRICE SHEET



GIFTS ♦ BOOKS ♦ SOUVENIRS ♦

"PRICES SUBJECT TO CHANGE WITHOUT NOTICE"

INFORMATION SHEETS

- ___ Map of the Ingalls family travels, \$15
- ___ Timetable - Dates of events 1813 - 1933, \$15
- ___ Letters - from Laura to the Gordons, 1953, \$15
- ___ Family tree from the Ingalls' Bible, \$15

BOOKS BY LAURA INGALLS WILDER

- | | | |
|---------------|----------------|-------------------------------|
| Hardback (HB) | Paperback (PB) | |
| ___ \$16.00 | ___ \$4.50 | Little House In The Big Woods |
| ___ \$16.00 | ___ \$4.50 | Little House On The Prairie |
| ___ \$16.00 | ___ \$4.50 | Farmer Boy |
| ___ \$16.00 | ___ \$4.50 | On The Banks Of Plum Creek |
| ___ \$16.00 | ___ \$4.50 | By The Shores Of Silver Lake |
| ___ \$16.00 | ___ \$4.50 | The Long Winter |
| ___ \$16.00 | ___ \$4.50 | Little Town On The Prairie |
| ___ \$16.00 | ___ \$4.50 | Those Happy Golden Years |
| ___ \$11.95 | ___ \$4.50 | First Four Years |
| ___ \$11.95 | ___ \$3.95 | On The Way Home |
| ___ \$12.95 | ___ \$4.50 | West From Home |
| ___ \$164.95 | ___ \$40.50 | Boxed set of top nine, above |

BOOKLETS BY WM. ANDERSON

- ___ Iowa Story \$5.00
- ___ Story Of The Wilders (Almanzo's Family) \$3.50
- ___ Story Of The Ingalls, \$3.50
- ___ Laura's Rose (Laura and Almanzo's Daughter), \$3.95
- ___ Laura Wilder of Mansfield, \$3.50
- ___ Wilder In The West (Eliza Jane Wilder), \$3.50
- ___ Horn Book, \$3.50
- ___ Little House Sampler, 1988 Articles, by Laura and Rose, HB \$20.00; PB \$11.00
- ___ Walnut Grove Story - PB, 1987, \$5.00
- ___ Laura Ingalls Wilder Biography, \$16.00

BOOKS BY ROSE WILDER LANE - ALL PB

- ___ Freeland - Pioneering (fiction) - \$10.95
- ___ Let Hurricane Roar (fiction) - \$3.95
- ___ Old Home Town (fiction) - \$10.00

BOOKS BY COLLINS & ERICKSON

- ___ World Of Little House - \$24.95

COOKBOOKS

- ___ Little House Cookbook by B. Walker, HB, \$16.00
- ___ Little House Cookbook by B. Walker, PB, \$6.95
- ___ Country Cookbook by Anderson/Kelly, HB, \$24.95
- ___ Cooks Of Plum Creek, PB, \$6.50

MAC BRIDE BOOKS

- ___ Little House On Rocky Ridge, HB, 14.95; PB, \$3.95
- ___ Little Farm In The Ozarks, HB, 14.95; PB, \$3.95
- ___ Land Of The Big Red Apple, HB \$14.95; PB, \$3.95
- ___ Other Side Of The Hill, HB \$14.95; PB, \$3.95
- ___ Town In The Ozarks, HB, \$14.95; PB, \$4.50

BOOKS BY RENEE GRAEF - Ages 3-8

- ___ Dance At Grandpas, \$11.95
- ___ Winter In Big Woods, \$11.95
- ___ Deer In The Wood, \$11.95
- ___ Going To Town, \$11.95
- ___ Christmas In The Big Woods, \$11.95
- ___ Going West, \$11.95
- ___ Little House Songbook, HB, \$11.95
- ___ Little House Songbook (PB) & Cassette Tape, \$12.95

ASSORTED BOOKS

- ___ Little House In Brookfield by M.D. Wilkes, PB, \$4.50
- ___ Little House In Brookfield by M.D. Wilkes, HB, \$14.95
- ___ My 1997 Little House Calendar, w/63 stickers, \$7.95

- ___ 1997 Laura Ingalls Wilder Country Calendar, \$7.95
- ___ Friendship Book & Locket, \$9.95
- ___ Laura's Sticker Book, \$6.95
- ___ Dear Laura, HB, \$16.95
- ___ Life Of Laura by Donald Zochert, \$5.99
- ___ Homesites by Evelyn Thurman, \$5.50
- ___ Puzzle Game, word search, \$2.50
- ___ Quilting Book, patterns by Jo Wilson, \$8.00
- ___ Quilt Patterns, Plum Creek Christmas by Jo Wilson, \$16.00
- ___ Little House Guide Book by Anderson/Kelly, \$8.95
- ___ The Pepin Story, \$2.50
- ___ Spring Valley Wilder Connection, \$5.00
- ___ The Laura Ingalls Wilder Songbook, HB, \$23.95

TAPES

- ___ Laura Speaks, \$6.95
- ___ Laura's Songs From Home, \$8.95
- ___ Musical Memories of Laura Ingalls Wilder, cassette & history book, PB, \$20.00

SPOONS WITH MUSEUM LOGO (As pictured above)

- ___ Pewter, with ox and wagon, \$3.75
- ___ Shovel, \$2.75
- ___ Dangle wagon spoon, \$2.75
- ___ Gold or silver small spoon, \$2.25
- ___ Jam spoon, \$2.25
- ___ Fork & spoon set, \$3.50
- ___ Butter knife, \$2.25
- ___ Hors D'oeuvre fork, \$2.25

BELLS

- ___ Brushed chrome, 3 1/2", w/dangle wagon, \$4.00
- ___ Chrome, silver, gold, 3 1/2", \$3.50
- ___ Mini bronze or pewter, 2 1/4", \$2.50

STATIONERY & HAND CRAFTED NOTE CARDS

- ___ Dugout, 4 notecards & 4 envelopes, \$1.25
- ___ Museum, 4 notecards & 4 envelopes, \$1.25
- ___ Pressed real flowers, 4 notecards & 4 envelopes, \$2.00
- ___ Scratch pads, small, \$4.00
- ___ Scratch pads, large, \$7.75
- ___ Pioneer Girl notes, 2 notecards & 2 envelopes, \$1.25
- ___ Pens, assorted colors, \$3.00
- ___ Pencils, assorted colors, \$2.00

BUTTONS

- ___ Covered wagon picture, \$5.50
- ___ I'm A Laura Ingalls Wilder Fan, \$7.75
- ___ I Walked The Banks Of Plum Creek, \$7.75
- ___ Childhood home of Laura, \$7.75

EMBLEMS

- ___ Oxen & Wagon, sew on, \$2.25
- ___ Bookmarks w/Walnut Grove shield, \$2.50
- ___ Milk cans, toothpick holder, \$3.00
- ___ Letter opener, \$4.00

THIMBLES

- ___ Gold or silver, \$2.50
- ___ Ceramic (handmade), \$3.25
- ___ Pewter with ox & wagon, \$3.50

MAGNETS

- ___ Ox & Wagon, pewter, \$2.50
- ___ Minnesota map, pewter, \$2.50
- ___ Old fashioned wood telephone, \$2.50
- ___ 1" wood plate, \$1.50
- ___ Round, bronze or pewter, \$3.00

IF YOU WOULD LIKE TO JOIN OUR LAURA'S PLUM CREEK FAN CLUB,
PLEASE WRITE FOR MORE INFORMATION

Exploring Walnut Grove

Self-guided driving tour of Walnut Groves' historical sites is available

Ingalls' Dugout Site (1-1/2 miles north on County Road 5)



During their first year in Walnut Grove, the Ingalls lived in a sod dugout on the banks of Plum Creek. At the dugout ruins, marvel at the primitive conditions of pioneer life. As you walk along Plum Creek, you will "see" Laura playing among the wildflowers and prairie grass. Scenes from

Laura's book "On the banks of Plum Creek" will come alive. There is a nominal charge.

Plum Creek Park (1 mile west on County Road 20, 1 mile south)

The park is the site of the original grove of walnut trees that gave Walnut Grove its name. Hike along Plum Creek through the regenerating



grove and around Lake Laura. The campground has 40 wooded and electrified sites, showers, and a dump station. Facilities for swimming, fishing, playgrounds, and ballfields are available.



Pa Ingalls donated the money he had saved to buy new boots to the church to help buy a bell. The bell is still used regularly for worship services.

Wahpeton Prairie (6 miles N. on County Road 5, 1 mile east and 1/2 mile north)



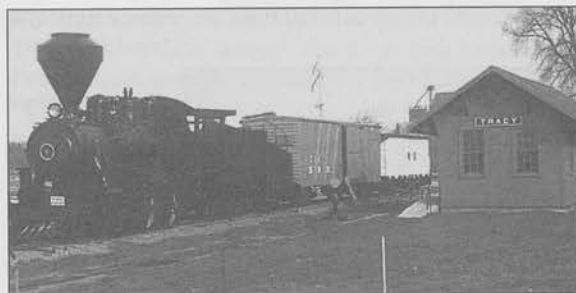
When Laura moved to Walnut Grove in 1874, much of the area was virgin prairie. Today, Wahpeton Prairie is a remnant of the tall grass prairie that Laura saw. There is also an ox-bow pond, and woods along the Cottonwood River. When visiting the Prairie, owned by the Nature Conservancy, please minimize your impact on this nature preserve.

Tracy

Pioneer Wheels Across the Prairie

Laura Ingalls first train ride was from Walnut Grove to Tracy, where Pa met the family with horse and wagon to take them to their new home near DeSmet, South Dakota. Images of our town remained in Laura's mind for she mentioned Tracy in two of her childrens books—The Long Winter and By the Shores of Silver Lake.

Railroading has always played an important role in Tracy. That role is depicted in **Wheels Across the Prairie Museum** with its 1915 steam engine and coal tender. The wheel's theme is further illustrated with displays of pioneer tools and machinery, wooden wheeled bicycles, and a 1906 Auto Bug automobile. Story tellers will warm you with pleasant memories of Laura. Visit the one room school house, similar to where Laura taught.



- **Tornado Tree Sculpture** - symbolizes weather's awesome power to affect our lives, just as drought-related grasshopper plagues affected the Ingalls
- **Box Car Days** - world renowned annual event for hobos and railroad buffs, each Labor Day weekend
- **Swift Lake** - camping, fishing, picnicing
- **Swimming** - outdoor city pool

For more information, contact...

Chamber of Commerce
372 Morgan, Dept WG
Tracy, MN 56175
(507) 629-4021



Balaton

Quiet village on the prairie

The railroad played a big role in settling Minnesota's prairie. Pa Ingalls knew this when he went to work for the railroad in 1879, the same year Balaton was founded.

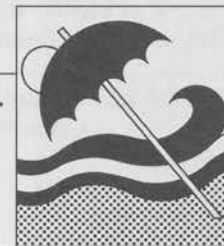
The location of railway stations determined the location of towns.

Balaton's first store was actually a bit west of town, but when the depot site was made known the store moved into town.

The site selected by the railroad is an exceptionally fine one, being on the shores of **Lake Yankton**, along Hwy 14. The lake is a great place for swimming, fishing, and a quiet night of camping. It is also a good place to stop and stretch your legs, and maybe swing into town for a snack.

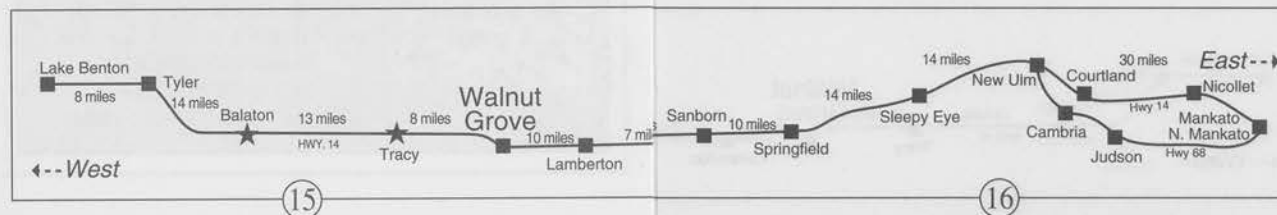


Balaton lies on the slope of Coteau des Prairie, the highlands of the prairie. This high plateau was created by receding glaciers that left up to 600 feet of drift on top of bedrock. Heading east toward Tracy you are going slightly downhill, into the Minnesota River Lowland. To the west, you gradually rise to Lake Benton's windy Buffalo Ridge. As you travel Hwy 14, see whether you can notice the slight uphill or downhill slope.



For more information, contact...

Chamber of Commerce
City Hall, Dept WG
Balaton, MN 56115
(507) 734-4711



Tyler

Denmark & Scandanavia on the prairie

Pa Ingalls went to work for the railroad in 1879, the same year Tyler got a permanent depot and the town began to develop. Most of the early settlers were from Denmark. This Scandanavian heritage shows itself in several ways today.

Danebod Lutheran Church, historic and beautiful, exemplifies this heritage. A sailing ship suspended



from the ceiling symbolizes Danish ties to the sea. Danebod, a Danish "folk school," is an educational program for learning arts and crafts of the old country. Weeklong camps are held throughout the

summer in historic **Danebod Stone Hall**.

Ableskiver Days, an annual Danish festival, is held the weekend following Father's Day in June. Danish folk dancers are a highlight of the event, along with pageants, parades, arts, crafts, and other activities.

Other Events and Attractions

- **Creative Discovery Workshops** - September
- **Stoney Point Park** - fishing/camping, Lake Benton
- **Sports** - 9 hole golf course, city swimming pool
- **Lincoln County Fair** - August
- **Holiday Happenings** - Danish Tea and Craft Fair, house tours (2nd weekend in November)
- **Festival of Lights** - lighting of outdoor home & city Christmas decorations (Thanksgiving Friday)

For more information, contact...

Chamber of Commerce
PO Box 445 WG
Tyler, MN 56178
(507) 247-3905



Lake Benton

Crossroads of the Nation - US 14 & US 75

Lake Benton was a peaceful place in 1879 when Laura Ingalls' family traveled past, heading for South Dakota. We're still peaceful...and friendly. Enjoy **Ingall's simplicity, 1990s style.**

We're environmentally friendly also. There are nearly 100 high tech wind turbines sitting on top of Buffalo Ridge "pumping" electricity. It's an awe-some sight - the largest wind farm outside California.

Buffalo Ridge, a hilly area on the prairie, creates Lake Benton's four season funland. There are lakes and hills for hunting, fishing, swimming, water skiing,



1862 Cabin Hole-in-the-Mountain Park

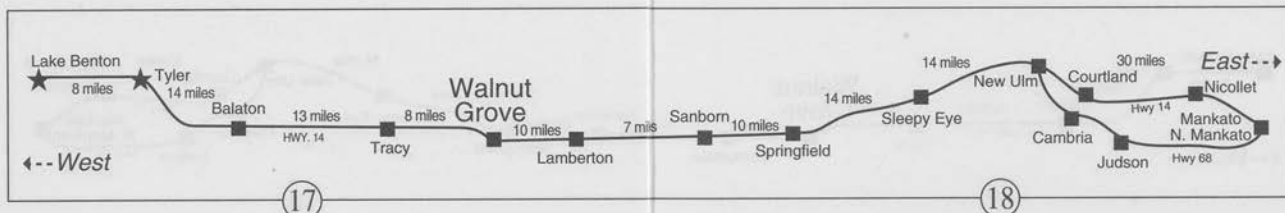
horseback riding, and camping. In winter, enjoy downhill and cross-country skiing, and snowmobiling.

Other Events and Attractions

- **Opera House** - theatre and musical productions March-December. Buses welcome
- **1896 Osbeck House** - antiques & year-round Christmas shop. House tours by appointment
- **Cross-on-the-Hill** - 27' wood cross celebrates the Christian heritage of early settlers
- **Specialty Shops & Fine Dining**

For more information, contact...

Lake Benton Area Chamber of
Commerce & C.V.B.
PO Box 205 WG
Lake Benton, MN 56149
(507) 368-9577



Area Attractions

A short distance off the Wilder Historic Highway

Petroglyphs (PO Box 127, Jeffers, MN 56145; 10 miles south of Sanborn. **Under renovation; open Fri.-Sun., May 1-Labor Day only until 1996**): Over 2000 ancient American Indian carvings - human figures, animals, etc. - on huge slabs of red quartzite rock on a highland prairie. Largest petroglyphs group in Minnesota. 507-628-4242. Nearby - **Red Rock Dells** (with a distinctive waterfall) and **Haggeman Dam Park**.

Lower Sioux Agency (Rt 1, Box 125, Morton, MN 56270; 25 miles north of Sanborn): Interpretive center at a mid-1800s Indian agency describes the struggle of Dakota Indians facing loss of traditional lands to pioneer settlement, also interprets the 1862 US-Dakota Conflict. 507-697-6321

Pipestone Monument (Hwy 75 & 23, Pipestone, MN 56164; 18 miles south of Lake Benton): Sacred American Indian quarry used for hundreds of years for ceremonial pipes and other objects. Pipe making and crafts demonstrated in the cultural center. **Hiawatha Pageant** is performed last two weekends in July and first weekend of August. 800-336-6125

Currie End-o-Line Museum (Rt 1, Box 42, Currie, MN 56123; 10 miles south of Tracy): End of a railroad branch line where locomotives were turned around for return trip. Minnesota's only remaining hand operated turntable. Restored railroad yard with depot, roundhouse, watertower, caboose switcher. Model railroad. (507) 763-3708.

Lake Shetek State Park (Rt 1, Box 164, Currie, MN 56123; 10 miles south of Tracy): Largest lake in southwest Minnesota. Its wooded shores are an oasis among the patch-work quilt of farmland. Camping, swimming, hiking, picnicing, pioneer cabin, boating, fishing. (507) 763-3256.

Ramsey Park Falls (140 E. Bridge, Redwood Falls, MN 56283; 20 miles north of Sanborn): Winding streams, rock cliffs and two waterfalls. Zoo includes buffalo and prairie dogs. **Inventors Congress Hall of Fame and Redwood County Museum** are nearby. (800) 657-7070.

Jackpot Junction (Morton, MN 56270; 25 miles north of Sanborn): Two floors of video slot machines, blackjack tables, keno, and bingo. Restaurant, bar, and entertainment. (800) 538-8379. Also **Firefly Creek Casino** (Granite Falls; 45 miles north of Walnut Grove). (800) 232-1439.

Information Sources

For more information on southern and southwestern Minnesota, contact the sources listed below.

State & Regional

Redwood Regional Tourism

PO Box 21 WG
Redwood Falls, MN 56283
(800) 657-7070

Travel Southwest

1121 3rd Avenue
Worthington, MN 56187
(800) 279-2919

Minnesota Office of Tourism

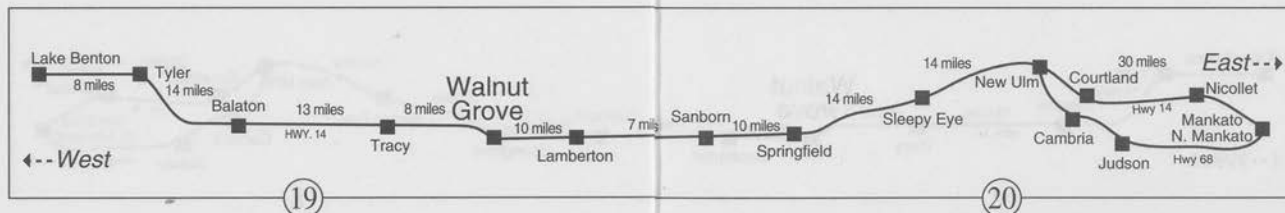
100 Metro Square
121 - 7th Place West
St. Paul, MN 55101-2112
(800) 657-3700

Laura's Travels



Mileage from:

DeSmet, SD to Walnut Grove, MN	110 miles
Walnut Grove, MN to Pepin, WI	205 miles
Pepin, WI to Burr Oak, IA	120 miles
Spring Valley, MN to Walnut Grove, MN	207 miles
DeSmet, SD to Mansfield, MO (est.)	700 miles
Mansfield, MO to Independence, KS	120 miles



Calendar of Events

Contact the communities for more information

January

February

- New Ulm Quilt Show
- New Ulm Fasching & Bock Fest. Sat. before Ash Wed.
- Lake Benton Vintage Clothing Show
- Lake Benton Farm & Home Day

March

- Sleepy Eye Farm City Days - 1st weekend
- Lamberton Southwest Jazz Festival, last Tuesday
- Lake Benton Opera House Play

April

- Mankato International Festival
- New Ulm Muggs Fabric & Bridal Quilt Show
- New Ulm Mn Festival of Music
- Lake Benton Opera House Play

May

- Mankato 27th Annual People's Fair
- Lamberton Conservatory of Dance Recital, 3rd Saturday

June

- Nicollet Friendship Days, 3rd weekend
- New Ulm Blues Festival
- Springfield Riverside Days, fourth weekend
- Springfield Quilt Show
- Lamberton Friendship Days, last weekend
- Lamberton All Class Reunion
- Tyler Ableskiver Days, weekend after Father's Day
- Tyler Danebod Family Rec Camps
- Lake Benton Saddle Horse Holiday, Father's Day weekend

July

- Mankato Old Fashioned Fourth of July Celebration, July 4
- Mankato North Mankato Fun Day's, early July
- Mankato Minnesota Vikings Training Camp, Mid July-Mid August
- New Ulm Heritagefest
- Sleepy Eye Street Dance, July 3
- Sleepy Eye 125th Anniversary Celebration, July 3-6
- Sleepy Eye Celebration, fireworks, July 4
- Springfield Christmas in July, fourth Wednesday
- Sanborn Watermelon Days
- Walnut Grove... Wilder Pageant, Fri-Sun, first three weekends
- Walnut Grove... Pioneer Festival - 2nd & 3rd weekend
- Walnut Grove... Quilt Show - 3rd weekend
- Walnut Grove... Black Powder Shoot - 2nd weekend
- Walnut Grove... Chili Cook-off 2nd weekend
- Tyler Danebod Family Rec Camps
- Lake Benton Opera House Summer Musical, last weekend
- Lake Benton Old Glory Days/Arts in the Park, first Sat.

Calendar of Events

Contact the communities for more information

August

- Mankato Minnesota Vikings Training Camp, Mid July-Mid August
- New Ulm Brown County Fair
- Sleepy Eye Buttered Corn Day, 4th Thursday
- Tyler Lincoln County Fair
- Tyler Danebod Family Rec Camps
- Lake Benton ... Opera House Summer Musical, 1st weekend

September

- Mankato Mdewakanton Pow Wow, mid September
- Sleepy Eye Great Grassroots Gathering, last Sunday
- Sanborn Art in the Park, 2nd Sunday
- Tracy Box Car Days, Labor Day weekend
- Tyler Danish Fall Meeting
- Tyler Creative Discovery Workshops

October

- New Ulm Oktoberfest
- Lake Benton ... Opera House Play

November

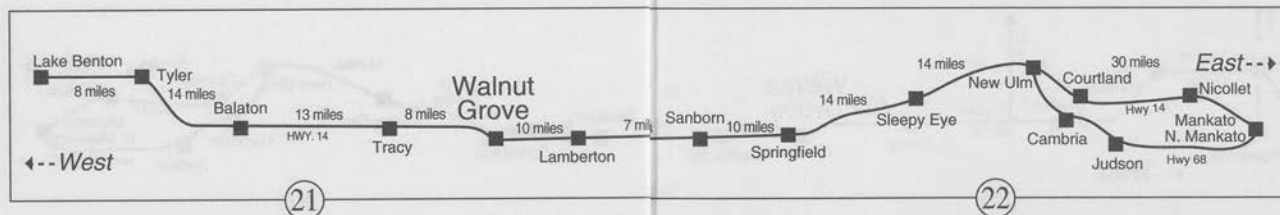
- Mankato Celebration of Lights, Thanksgiving-New Yr.
- Sleepy Eye Homes for Holiday Tour, Nov. 22 & 23
- New Ulm Parade of Lights
- Lamberton Festival of Lights, Thanksgiving Friday
- Tyler Holiday Happenings, second weekend
- Tyler Festival of Lights, Thanksgiving Friday
- Lake Benton ... Opera House Children's Theatre

December

- Mankato Celebration of Lights, Thanksgiving-New Yr.
- New Ulm Sounds of Christmas
- New Ulm St. Nicks Night
- New Ulm Taste of Christmas
- Springfield Nativity Pageant, third weekend
- Sanborn Memories of a Hometown Christmas
- Sanborn Redman's Christmas Lights Display
- Lamberton Tour of Homes, first Sunday
- Lamberton Community Choir Concert, second Sunday
- Lake Benton ... Christmas Tour of Homes

Picky...Picky...Picky

Pick your time. Pick your town. There's plenty to see and do along the Laura Ingalls Wilder Historic Highway. Enjoy a prairieland summer vacation, and then return for a weekend or evening event. Make your whole year special.



Motels

Near the Laura Ingalls Wilder Historic Highway

Mankato	Best Western Garden Inn	(800) 528-1234
		(507) 625-9333
	Budgetel Inn	(800) 428-3438
		(507) 345-8800
	Comfort Inn	(507) 388-5107
	Days Inn	(800) 325-2525
		(507) 387-3332
	Holiday Inn Downtown	(800) 465-4329
		(507) 345-1234
	Kato Motel	(507) 388-1644
New Ulm	Bolden's New Ulm Motel ...	(507) 359-1414
	Colonial Inn	(507) 354-3128
	Holiday Inn	(800) 465-4329
		(507) 359-2941
Sleepy Eye	Super 8	(800) 800-8000
		(507) 387-4041
	Best Western /	
	Inn of Seven Gables	(800) 852-9451
Springfield		(507) 794-5390
	Orchid Inn	(800) 245-4931
		(507) 794-3211
	Plains Motel	(507) 723-6474
Lamberton	Lamberton Motel	(507) 752-7242
Tracy	Cozy Grove	(507) 629-3350
Tyler	Tyler Motel	(507) 247-3211
Lake Benton	Hwy 75 Motel	(507) 368-9354
	Steve's Resort	(507) 368-4399
Walnut Grove	Little House	(507) 859-2154

For motels, B&Bs, & camping in other communities...

Redwood Falls (800) 657-7070	Marshall	(507) 537-1865
Worthington	Pipestone	(800) 336-6125

Bed & Breakfasts

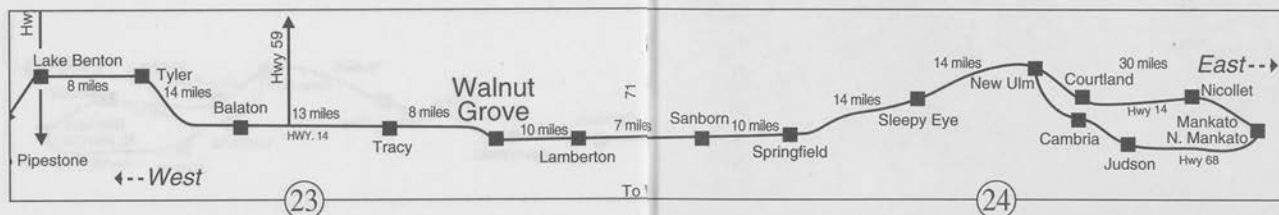
Near the Laura Ingalls Wilder Historic Highway

Mankato	The Butler House	(507) 387-5055
Sleepy Eye	Murphy's Purple Door Inn	(507) 794-6103
	W.W. Smith Inn	(800) 799-5661
Sanborn	Sod House on the Prairie	(507) 723-5138
Springfield	Atrim Inn	(507) 723-4576
	Fax: (507) 723-4290	
Wabasso	The Victorian Lady	(507) 747-2170
Westbrook	Parkview	(507) 274-6221
Tyler	Babette's Inn	(507) 247-3962
Lake Benton	Wooden Diamond Rest Inn	(507) 368-4305

Camping

Near the Laura Ingalls Wilder Historic Highway

Mankato	Minneopa State Park	(507) 625-4388
	Land of Memories	(507) 387-8649
	Cedar Grove	(507) 546-3598
New Ulm	Flandrau State Park	(507) 354-3519
	Valleyview	(507) 426-7420
Sleepy Eye	Fort Ridgley State Park	(507) 426-7840
	Golden Gate	(507) 794-7459
	Sportmens Park	(507) 794-4731
Springfield	Riverside Park	(507) 723-4253
Sanborn	City Park	(507) 648-3510
Lamberton	Kuhar Park	(507) 752-7601
Walnut Grove	Plum Creek Park	(507) 859-2358
Tracy	Swift Lake Park	(507) 629-4021
	Garvin County Park	(507) 537-6731
Currie	Lake Shetek State Park	(507) 763-3256
Balaton	City Park	
Tyler	Stoney Point Park	(507) 247-3905
Lake Benton	Hole-in-the-Mountain	(507) 368-9350
	Norwegian Creek Park	(507) 368-9350
State Park Reservations		(800) 246-2267

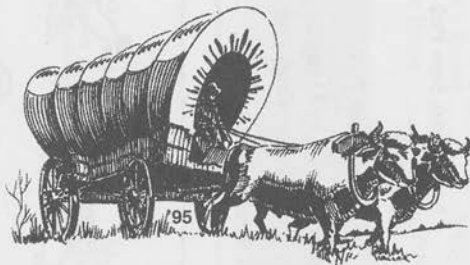




Walnut Grove

and the
Laura Ingalls Wilder
Historic Highway

PO Box 58, Walnut Grove, MN 56180



Mankato/N Mankato
Nicollet/Courtland
New Ulm

Sleepy Eye
Springfield
Sanborn

Lamberton
Walnut Grove
Tracy

Balaton
Tyler
Lake Benton

YOU'RE INVITED...

This is your personal invitation to attend *FARMFEST '97* featuring over 400 exhibitors. Exhibits on display during the show will include the latest in farm machinery and technology, antique machinery, huge craft tent, toy tent, women's programs and continuous on-site entertainment.

FARMFEST is situated on the Gilfillan Estate rich with a history all its own. An estate who's founder was a pioneer in the development to farming as we know it today—innovative, productive, and progressive!

HOURS

Farmfest Exhibit site hours are...

August 5 & 6

8:00 a.m. to 5:00 p.m.

August 7

8:00 a.m. to 4:00 p.m.

ADMISSION

\$5.00..... Single Day Ticket
\$8.00..... Three Day Ticket
Free 18 years and under

AS IN THE PAST, THERE IS AMPLE FREE PARKING AND HANDICAPPED PARKING NEAR THE EXHIBIT AREA.



THE NEW MEETS THE OLD AT FARMFEST '97...

FARMFEST '97 will be held on the historic Gilfillan Estate. The Gilfillan Estate was established in the mid 1800's by Charles O. Gilfillan. This estate was once part of an 8000 acre bonanza farm. On August 5-6-7 this site will come alive with the newest and latest in farm machinery, equipment and services.

GILFILLAN ESTATE

The Gilfillan Estate will be open weekends, Memorial Day thru Labor Day, 1 to 5 p.m. It will also be open during show hours of *FARMFEST '97*.



ANTIQUE MACHINERY EXHIBITS

FARMFEST '97 will feature a variety of antique machinery. Enjoy a glimpse into the past history of farming. The antique machinery display will be managed by the Prairieland Fly Wheelers.

EARLY MORNING WITH WCCO

Arrive early and you can eat breakfast with the WCCO Morning Show Celebrities. This will be on August 5, 1997.

COORS HITCH TEAM WILL BE ON THE GROUNDS ALL THREE DAYS!

HERITAGE CRAFT AND TOY TENT

Browse and shop our varied selection of beautiful and unique homemade craft items and don't forget to check out the large selection of toys in the toy tent. Heritage Craft and Toy Tent are located by Seed Row.

PHONE: 1-507-726-6863

FARM FAIRS INC.
PO Box 731
LAKE CRYSTAL, MN 56055

SEE US AT...





MORE TO SEE

40 ACRES OF EXHIBITS

This year's exhibit area has been expanded to more than 400 exhibits showcasing everything that's new for the farm including: buildings, chemicals, dairy equipment, livestock handling and feeding equipment, mowing and harvesting equipment, planting, fertilizing and spraying equipment, seeds, shop machinery and tools, tillage implements, tractors and combines, truck and trailers.



FIELD DEMONSTRATIONS



Minnesota Soybean Research and Promotion Council presents the Soybean educational event of the year. Soybean growers will learn how to increase soybean production by attending 6 educational field stops located on the north side of the exhibit grounds.

AG ISSUE FORUMS

Key decision affecting agriculture's future will be held on each day at 11:00 a.m. All of the forums will be held in the "Forum tent" at the Farmfest site. The Farmfest forums are jointly sponsored by the Minnesota Extension Service and Farmfest.

FARM MEDIA

Lynn Ketelsen and the Linder Farm Network will team up with Orion Samuelson and Al Pell starting at 12:30 p.m. each day.

Attend Farmfest and get a chance to visit with the nations top farm broadcasters. Maybe even see yourself on TV the next day on Ag Day or the U.S. Farm Report.



LYNN KETELSEN



ORION SAMUELSON



AL PELL



Vanguard Flying Team flies over Farmfest '96 with airplanes fueled with 100% ethanol. This event was sponsored by the Minnesota Corn Growers Association.

WOMEN'S PROGRAMS

Many interesting and informative programs are in the planning stages for this year's Farmfest. Some of the subjects for the program are: Quilting, Flower Arranging, Food and Nutrition. A tour of the beautiful Gilfillan Estate will follow the programs.



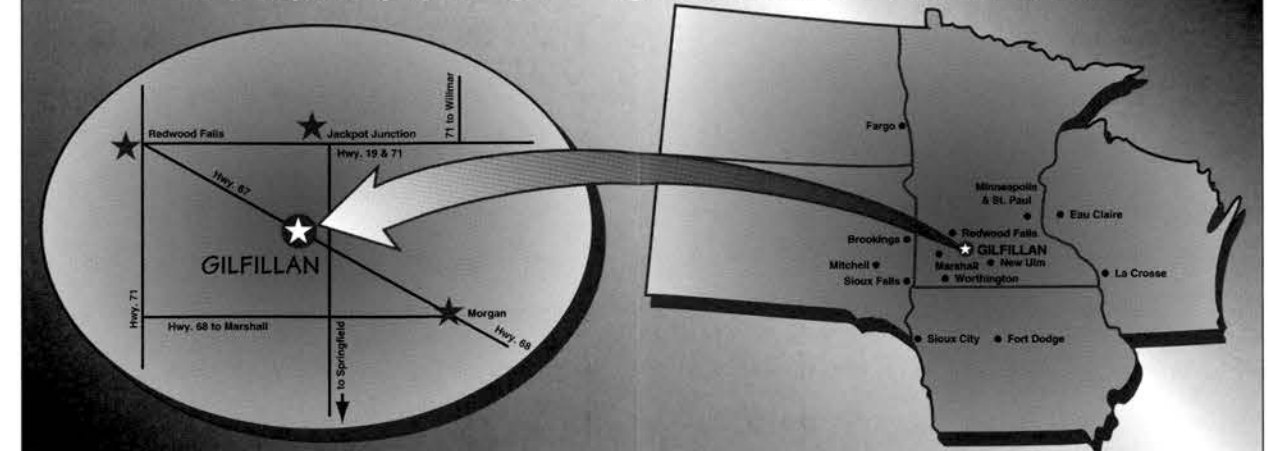
DON'T MISS THE TINA & LENA SHOW

PEDAL PULL

The popular pedal pull will be held each day. Ages 5 thru 11 are eligible to participate in this event.



FARMFEST '97 • GILFILLAN ESTATE



PRIZES GALORE

Register at any entrance gate for a chance to win a Maurer Trailer.

Many companies this year will be giving prizes. Some examples are a one year lease for a Dodge pick-up truck or use of a Parker Auger Wagon for one year.

SPONSORS

Be sure to visit with Farmfest '97 official sponsors when you attend. These sponsors go the "extra mile" to aid us in bringing you the mid-west's premier farm show.



Suppliers of Ethanol



At the heart of a growing America.

LAKE BEVERAGE
COMPANY



Talk With Us. 1-800-829-TALK



Linder Farm Network
Minnesota's Best Farm Radio



Redwood River Clean Water Project ACTIVITIES

☒ Technical Assistance

- Surveying and designing of best management practices
- Cost-share and/or incentive payments to farmers who implement best management practices
- Personal contact with individual landowners
- Development of broad-based water-quality plans

☒ Monitoring and Evaluation

- Tracking of best management practices in the watershed and the impact on water quality
- Surveying of tillage practices to determine the amount of erosion
- Ongoing water quality sampling that allows "before and after" comparisons
- Fisheries survey to provide indication of water quality improvements

☒ Information and Education

- To provide watershed residents with information of problems and solutions related to water quality
- To educate residents about practices that will reduce water pollution

For More Information

Lincoln SWCD
507/694-1630

Lyon SWCD
507/537-0396

Murray SWCD
507/836-8933

Pipestone SWCD
507/825-5881

Redwood SWCD
507/637-2427

Yellow Medicine SWCD
612/669-4442



RCRCA

Redwood-Cottonwood Rivers Control Area
Sponsor of the Redwood River Clean Water Project

1241 East Bridge Street, Suite B
Redwood Falls, MN 56283
507-637-2142 FAX: 507-637-2134
e-mail: rcrca@rconnect.com

RCRCA was created in 1983 as a joint-powers organization that works to enhance and protect the Redwood and Cottonwood Rivers. Member counties and Soil and Water Conservation Districts include: Brown, Cottonwood, Lincoln, Lyon, Murray, Pipestone, Redwood and Yellow Medicine.

*This brochure was made possible by a grant
from the Northwest Area Foundation*

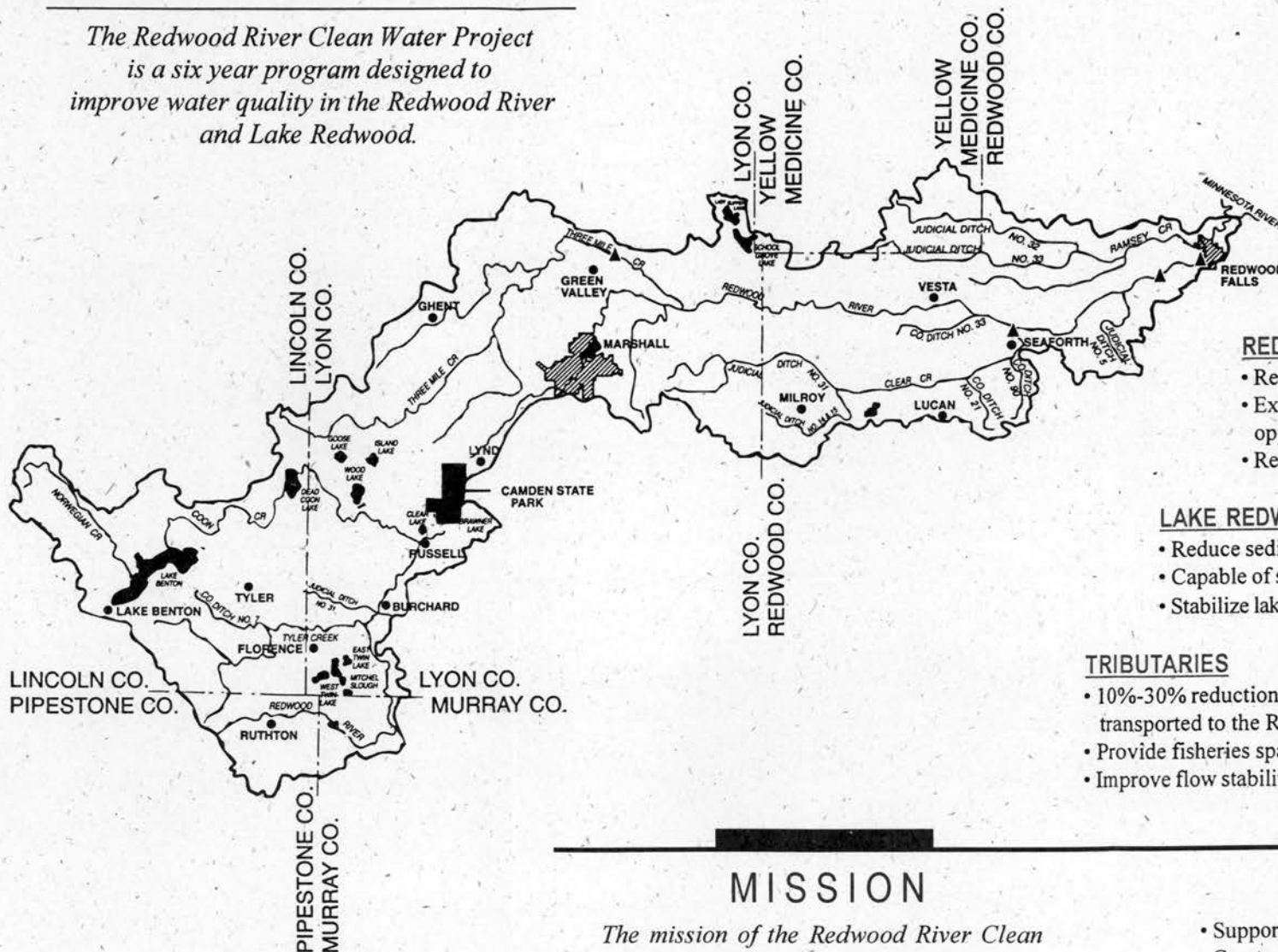
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Redwood River Clean Water Project

Redwood River Watershed

The Redwood River Clean Water Project is a six year program designed to improve water quality in the Redwood River and Lake Redwood.



GOALS

REDWOOD RIVER

- Reduce sediment and nutrients by 15%-30%
- Expand game fishery habitat and fishing opportunities
- Reduce peak flows and improve flow stability

LAKE REDWOOD

- Reduce sediment and nutrients by 15%-25%
- Capable of supporting a fish management program
- Stabilize lake levels

TRIBUTARIES

- 10%-30% reduction in sediment and nutrients transported to the Redwood River
- Provide fisheries spawning and forage
- Improve flow stability

MISSION

The mission of the Redwood River Clean Water Project is to create awareness and appreciation for the value of a clean Redwood River, promote watershed identity, and cooperatively achieve land use changes necessary to restore the River's health.

OBJECTIVES

- Support restoration of 5000 acres of wetlands
- Create and maintain permanent buffer strips on all public watercourses
- Establish tillage practices of minimum or no-till on 90% of cropland in priority areas
- Design and install livestock waste management systems in priority areas

ANNUAL COUNTY ACTIVITIES

JUNE

- *Minnesota Inventors
Congress - Redwood Falls
- *Lower Sioux Pow Wow
 - Lower Sioux Agency
 - Morton
- *Laura Ingalls Wilder Pageant
 - Walnut Grove

JULY

- *Laura Ingalls Wilder Pageant
 - Walnut Grove
- *Watermelon Days
 - Sanborn
- *Polka Fest
 - Seaforth

AUGUST

- *Farmfest
 - through year 2000

SEPTEMBER

- *Art in the Park
 - Sanborn
- *Old SOD Day
 - Belview

OCTOBER

- *Old Fashioned Fall Festival
 - Redwood Falls

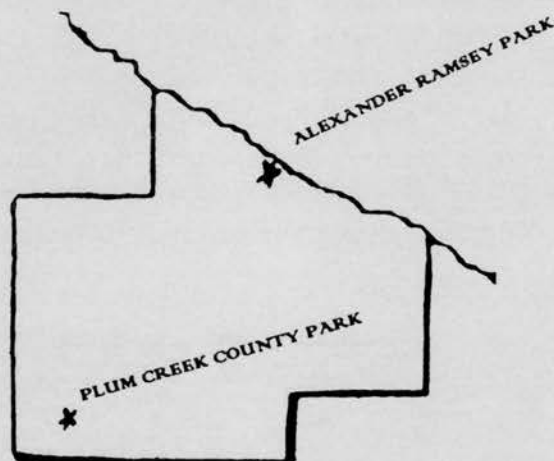
ALEXANDER RAMSEY PARK

Largest City Park in Minnesota

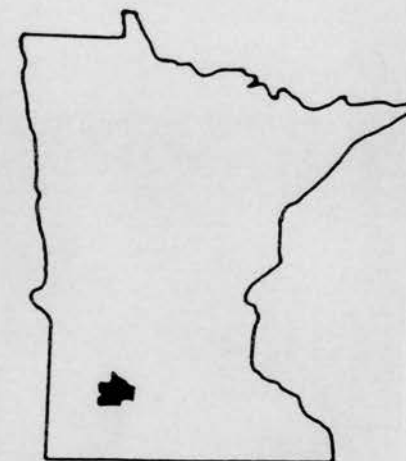
- * 217 acres
- * 28 camp sites
- * Ramsey Falls
- * Walking Trails
- * Zoo

PLUM CREEK COUNTY PARK

- * Became park in 1966
- * Nearly 200 acres in size
- * 36 campsites
- * Lake Laura
constructed in 1978
was Area II River Basin first
project



REDWOOD COUNTY



SUMMER 1997

REDWOOD COUNTY STATISTICS

**"ONE OF LARGEST COUNTIES IN
SOUTHWESTERN MINNESOTA"**

POPULATION -

1940 was the highest population -
22,229 with a steady decrease to the
current population 17,254 in 1990

TOTAL ACRES - 559,403

AG LAND ACRES - 553,403

TOTAL NUMBER FARMS - 2,203

LAND VALUES IN 1996 -

*\$1,211.00 an acre --
up \$219 from 1991
*cash rent \$89
*projecting for 1997 --
\$1,318.00 per acre

ANNUAL PRECIPITATION -

*28-32 inches

THREE MAJOR RIVERS -

*Minnesota
*Redwood
*Cottonwood

RIM -

*70 contracts	
*marginal ag land	361
*riparian	1694
*wetland restoration	420
*PWP	<u>481</u>
TOTAL ACRES	2956

STATE OWNED LAND -

*DNR -- 4,270 ACRES
*University of Minnesota
Experiment Station - 668 acres
*Historical Society - 142 acres

LOWER SIOUX RESERVATION -

*1750 acres
*one of the first established gaming
casinos in the state

RURAL WATER SUBSCRIBERS - 41

AVERAGE YIELD -

corn..... 140 bushel
beans..... 44 bushel

RANKING IN STATE --

corn	4 th
beans	2 nd
green peas	8 th
sweet corn	5 th
cash farm receipts	6 th
hogs	5 th
cow calf	5 th
increase in poultry production	

KAOLIN MINING --

along Minnesota River Valley
Silica Clay used in
*paper
*plastic
*rubber
*paints
*and hundreds of
other products

FIFTEEN CITIES --

*The city of North Redwood - *the
birthplace of Sears* - has become one
city with Redwood Falls as of
December 31, 1996.

LAURA INGALLS WILDER MUSEUM

The museum's collections are housed
on a series of interesting buildings.

Featuring:

- **Quilt** - handmade by Laura
- **Memorabilia** of the Little House
TV Show
- **Grandma's House** - turn of the
century including dolls from the
Kelton Collection.
- **Gift Shop** - Books & Souvenirs
- **Ingalls Homestead** - Dugout Site
on the banks of Plum Creek

Hours:

Memorial Day to Labor Day . . 10 am - 7 pm
May and September 10 am - 5 pm
April and October 10 am - 3 pm

Other times by appointment

ADMISSION FEE

Buses welcome all year;
appointments recommended



330 Eighth St., P.O. Box 58
Walnut Grove, MN 56180
(507) 859-2358 or 859-2155

MOTELS

TRACY	Cozy Grove Motel.....507-629-3350
LAMBERTON	Lamberton Motel.....507-752-7242
SANBORN	Sod House B & B.....507-723-5138
FAIRFAX	Fairfax Motel507-426-7266
MORTON	Granite Valley Motel.....507-697-6205
WABASSO	Victorian Lady B & B...507-747-2170
SPRINGFIELD	Plains Motel.....507-723-6474
TYLER	Babette's Inn B & B.....507-537-1632 Tyler Motel.....507-247-3211
MARSHALL	Deluxe Motel.....507-532-4441 Super 8 Motel800-800-8000 Traveler's Lodge.....800-532-5721 Best Western507-532-3221 Comfort Inn507-532-3070 El Rancho Motel507-532-3203
REDWOOD FALLS	Dakota Inn507-637-5444 Redwood Inn.....507-637-3521 Super 8 Motel800-800-8000 Comfort Inn507-644-5700 Motel 71507-637-2981 Stanhope B & B.....507-644-2882
SLEEPY EYE	Best Western507-794-5390 Orchid Inn.....800-245-4931
NEW ULM	Holiday Inn.....800-465-4329 Super 8 Motel800-800-8000 New Ulm Motel507-359-1414
WINDOM	Super 8 Motel800-800-8000 Windom Family Inn507-831-3111 Windom Motel.....507-831-1120 Blue Star Motel.....507-831-2847
SLAYTON	Ridotto Wach Inn507-836-8511 Lake Shetek Lodge.....507-763-2000
PIPESTONE	Days Inn Calumet.....507-825-5871 Arrow Motel.....507-825-3331 Mayfair Motel.....507-825-3348 Super 8 Motel.....800-800-8000

CAMPING:

WALNUT GROVE	Plum Creek Park.....507-859-2358
TRACY	Swift Lake Park507-629-4021 Garvin County Park.....507-537-6731
CURRIE	Shetek State Park.....507-763-3256
LAMBERTON	Kuhar Park.....507-752-7601

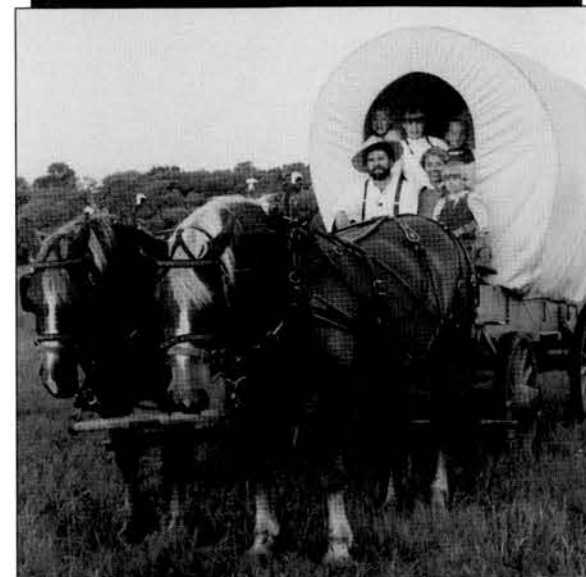
Nonprofit Org.
US Postage
PAID
Walnut Grove
Minnesota
Permit No. 4

Wilder Pageant

P.O. Box 313T
Walnut Grove, MN 56180



WALNUT GROVE, MINNESOTA



1997

LAURA INGALLS WILDER PAGEANT

"Fragments Of A Dream"

Original Script by James Merchant

Friday - Saturday - Sunday
July 4-5-6, 11-12-13, 18-19-20

LAURA INGALLS WILDER PAGEANT

July 4-5-6, 11-12-13, 18-19-20, 1997

"The little girl with the long brown hair would find it hard to believe that more than 100 years after she and her family lived on the banks of Plum Creek near Walnut Grove, Minnesota, thousands of people would sit on a hillside and listen to her story."

Exactly this happens each year when the Wilder Pageant is presented. This outdoor production, which started as an indoor play in 1978, proved so popular that it was decided to stage the pageant in a natural amphitheater west of Walnut Grove - literally "on the banks of Plum Creek."

Hydraulically operated sets, live animals, special effects, modern lighting and sound systems add to the professionalism of the production.

The Wilder Pageant is produced entirely by residents of the Walnut Grove area who give up their summer each year to provide family entertainment for visitors from around the country and world.

General Admission \$6.00
Reserved Admission \$7.00
(Pre-school Free in General Admission)

**Groups of 25 or more receive
\$1.00 per ticket discount.
Deposit required with ticket order.**

Gates Open - 7:00 PM
"The Pageant Singers" - 8:00 PM
Pageant Performance - 9:00 PM

Wilder Pageant
P.O. Box 313T
Walnut Grove, MN 56180-0313
Phone 507-859-2174
Fax 507-859-2115
Email: wpageant@rconnect.com



**Selected to "Top 25 Minnesota
Festivals and Events"**

Notice: No Video Recording Allowed



*Please bring wraps or blankets for your
comfort during the Pageant performance*

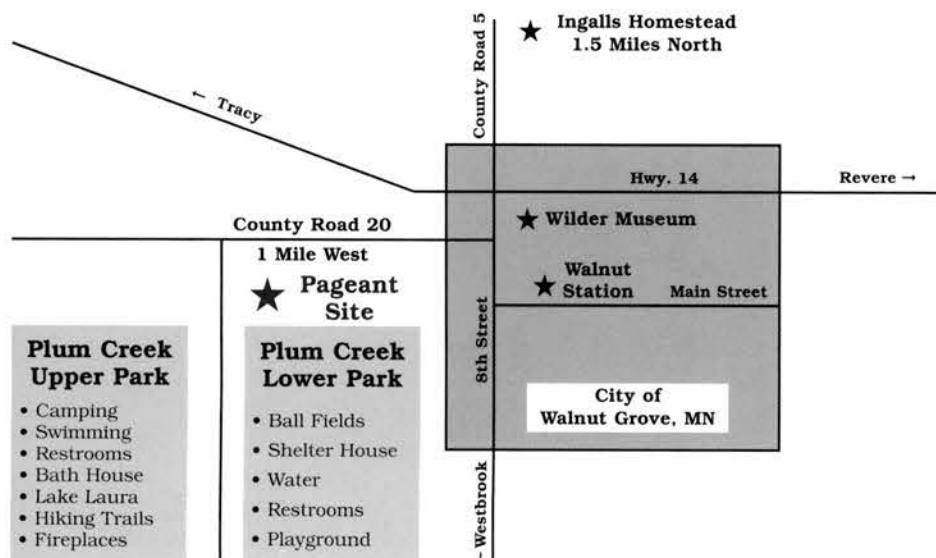
The Pioneer Festival will be held on the Pageant Grounds from 11 AM to 6 PM on Saturday and Sunday, July 12, 13, 19 and 20, 1997.

This rustic setting will host pioneer crafts, demonstrations, heritage booths, children's activities and foods.

Special entertainment will include country folk, bluegrass and popular music.

Come sit along the banks of Plum Creek and enjoy the festival in a natural setting.

Admission - \$2.00 ages 10 and above



Welcome.....

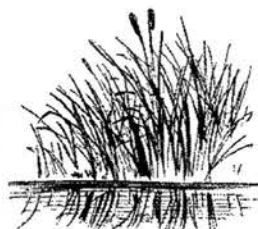
Welcome to the Cardinal Trails Environmental Nature Area! This area has been developed through a two year funding program sponsored by the Legislative Commission on Minnesota Resources (LCMR) and the Redwood Falls School District.

Primary goals of the project are to create a K-12 environmental curriculum in the Redwood Falls School District and develop two nature areas, each adjacent to the Reede Gray Elementary School and the High School/Middle School building.

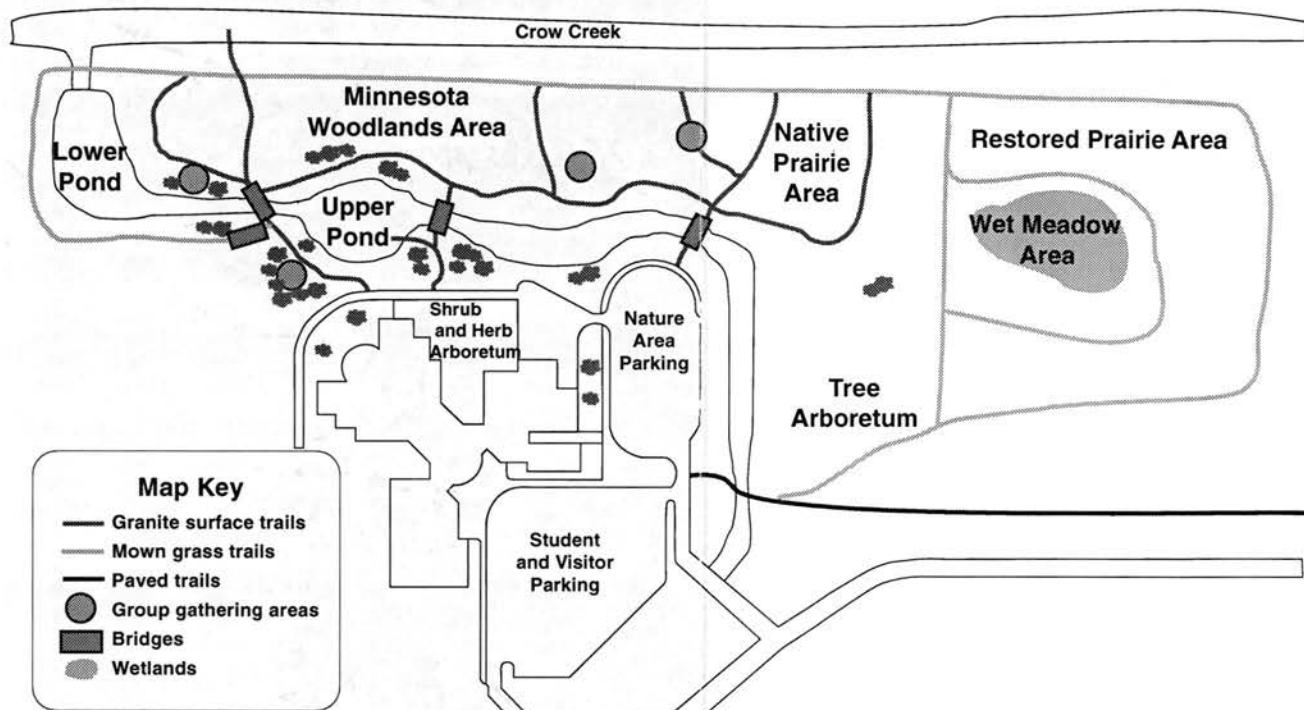
The mission of the grant is to provide an area of study for not only Redwood Falls students, but any organizations or school districts who wish to investigate the beauty of the prairie and its importance in the balance of wildlife and plants in southwestern Minnesota.

As visitors move about the nature area, trail systems and signs guide them through three general areas: prairie, woodlands and wetlands. A shrub and herb arboretum displays a variety of plants adjacent to the school building in addition to a tree arboretum located in different spaces over the 22 acre site.

Educators may access curriculum used by the Redwood Falls staff on the school's Internet site (redwood.mntm.org/lcmr/)



Cardinal Trails Environmental Learning Center



Guidelines for Use of the Nature Area

- You are welcome to walk in the trails anytime during the daylight. We invite you to enjoy the sights, sounds and smells that the nature area has to offer. However, remember that you will be a guest in the homes of many living creatures. Please treat these homes and their inhabitants with respect.
- Please leave everything as you find it. This includes stones or rocks that you may have overturned or moved. Don't casually kick, throw or break things. You could be destroying the homes of insects or animals.
- Please don't pick any flowers. The flowers are beautiful but are also necessary to provide food for many animals. Flowers also produce the seeds necessary to grow more flowers.
- Please don't leave behind anything that you brought with you. Even something that is considered biodegradable, such as apple cores or pet waste, will not be appreciated by the next visitors to the trails.

Curriculum.....

A diverse K-12 curriculum is available to anyone interested in environmental education on the Redwood Falls School District web page located at:

redwood.mntm.org/lcmr/

Persons accessing this site will see images in the nature areas, a K-12 scope and sequence map of environmental education, individual teaching units classified by subject, maps of the nature areas and links to other significant environmental worldwide sites.

Help Us.....

The nature areas at both schools will be maintained by district staff and students throughout the year, but as use increases, any donations, either of labor or dollars would be welcome. Please contact:

Redwood Falls District 637 Foundation
100 George Ramseth Drive
Redwood Falls, MN 56283
(507-644-3531).



Cardinal Trails Nature Area
c/o Redwood Falls Public Schools
100 George Ramseth Drive
Redwood Falls, MN 56283



Connections



Cardinal Trails Environmental Nature Area

Redwood Valley Middle/High School
Reede Gray Elementary School
Redwood Falls, Minnesota

M A E E



**MINNESOTA
ASSOCIATION
ENVIRONMENTAL
EDUCATION**

Organization Survey

Please fill out the following survey to assist MAEE Regional Board Representatives in organizational planning and to help us better serve educators in your region.

1. Check which of the following environmental education (EE) services/resources you would be interested in?

- | | |
|--|---|
| ☐ regional EE networking meetings | ☐ trainings to improve EE programs |
| ☐ info/tours of regional EE resources | ☐ funds to improve/develop EE programs |
| ☐ SEEK/internet training | ☐ others (list) _____ |

2. What role do you feel that MAEE can and should play in environmental education in Southwestern Minnesota?

3. What types of information or articles would you like to see in the MAEE newsletter?

4. Please list any other suggestions or ideas you would like to share regarding a Southwest regional group of MAEE.

Name _____

Affiliation/Organization _____

Street Address/P.O. Box _____

City/State/Zip _____

Daytime Phone _____ Fax _____

e-mail address _____

☐ Check here if you are interested in volunteering to serve on a committee or assist with ongoing MAEE activities. (i.e. '98 conference, SEEK, newsletter, networking with other EE groups, etc.)

Welcome !



Program

- 4:00 - 5:00 pm. Exhibitor setup (around lower commons)
 - Minnesota Pollution Control Agency (Jason Abraham)
 - Museum on the Move (Dana Garvey)
 - Office of Environmental Assistance (Jeff Ledermann)
 - DNR Roadside for Wildlife Program (Pete Schafer)
 - Soil and Water Conservation Districts (Marilyn Bernhardson)
 - Soil and Water Conservation District, Clarkfield (Cathy Gale)
 - Leopold Education Project, Lake Shetek Environmental Learning Center (Marlene Nordby)
 - Cultural & Environmental Learning and Resource Center (Pezuta Zizi)
 - Upper Sioux Agency State Park (Terri Dinesen)
 - Project Wet, Project Learning Tree, Project Wild
 - Heron Lake Environmental Learning Center (Andrea Loreck)
 - School Nature Area Project-St. Olaf College (Karen Van Norman, Nalani McCutcheon)
 - Lake Hanska Conservation Days (Jane Starz)
 - Minnesota West Soil & Water Conservation (Jim Jibben)
 - Redwood County Recycling (Brian Sams)
 - Darling Kindersley Family Learning (Roxanne Lenarz)
 - Adopt a River (Paul Nordell)
 - Girl Scout Council - Redwood Falls
 - Redwood-Cottonwood Rivers Control Area (Su Beran)
 - Minnesota Association of Environmental Education-MAEE (Ann Cunningham)
- 5:00 - 8:00 pm. Displays open to participants
- 5:00 - 6:45 pm. Lunch (no charge)
- 6:45 - 7:15 pm. Meet in the Performing Arts Center Auditorium to review components of the nature area, K-12 curriculum and MAEE information
 - Welcome and Introduction of the Project - Jerry Meschke
 - Review of Elementary Curriculum & Nature Area - Nadine Peirce
 - Review of High School/Middle School Curriculum & Nature Area - Joni Nieland
 - Demonstration of Cardinal Trails Web Page - Virg Felt
 - MAEE Presentation
 - Closure and Final Instructions for Tours - Jerry Meschke
- 7:15 - 8:00 pm. Orientation and tour of the environmental nature area
 - Caretaking Committee members will locate themselves in different areas of the Nature Area to help answer questions.

Goal of Project:

This project will accelerate development of the Environmental Learning Center at both the Middle School/High School and Reede Gray Elementary; and integrate environmental education into the K-12 curriculum in the Redwood Falls School District.

Outcomes:

- A. Complete the development of two Environmental Learning Centers in the Redwood Falls School District.
- B. Adapt and integrate environmental education topics into the K-12 curriculum
- C. Conduct training for K-12 teachers to integrate environmental education topics.
- D. The Environmental Learning Center and curriculum will be available to other school districts and nonprofit organizations in the region at no charge.

Background:

In 1990 the school board designated a 22 acre site adjacent to the middle school/high school for use as an outdoor Environmental Learning Center. From 1990-93 the school district invested \$3,800 to reestablish native prairie grasses, forbs, and a wildlife planting. The US Fish and Wildlife Service donated \$500 for restoration of the type 2 wetland. To date, prairie grasses and forbs have been reestablished, a type 2 wetland restored, and a duplicate of a DNR wildlife planting has been established. The school district received \$15,000 from St. Olaf College (School Nature Area Project) for start-up planning of the environmental centers and an appropriation of \$250,000 from the Minnesota State Legislature, monitored by the Legislative Commission on Natural Resources (LCMR).

The appropriation comes from four sources: *Future Resources Fund*, which derives its money from a portion of the state tax on cigarettes, the *Environmental and Natural Resources Trust Fund*, which receives 40% of the net proceeds of the state lottery (about 7 cents on each dollar of gross ticket sales), the *Oil Overcharge Fund*, derived from payments from oil companies that overcharged consumers in the 1970s, and the *Great Lakes Protection Fund*, which is a joint effort of Minnesota and the other seven states on the great lakes to reduce toxic substance discharge.



ORGANIZATIONAL PURPOSE

Area II is a grant-in-aid program pursuant to Minnesota Statutes 103F.173-103F.187 that administers the joint powers agreement signed by the nine counties of Brown, Cottonwood, Lac qui Parle, Lincoln, Lyon, Murray, Pipestone, Redwood, and Yellow Medicine.

The primary function is to provide technical and financial assistance to local units of government within Area II for the engineering, land rights acquisition, and construction costs for the installation of floodwater retarding/retention structures within a general plan for floodplain management.

Area II's purpose is to implement the flood control recommendations outlined in the Minnesota River Basin Report and Public Law 87-639 Study, both structurally and nonstructurally, as governed by the Articles of Incorporation and in cooperation with local, state, and federal units of government.

Area II is nine counties united, working in conjunction with one another since water does not stop at county boundaries, and neither do the benefits of flood control.

AREA II BOARD OF DIRECTORS

BROWN COUNTY

Mr. Charles Guggisberg (507) 354-5797
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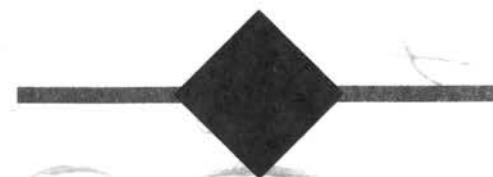
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WATERSHEDS WITHIN AREA II

Cottonwood River
Lac qui Parle River
Little Cottonwood River
Yellow Bank River
Yellow Medicine River

OFFICE OPERATION

Area II has a technical office managed by a Coordinator who manages the day to day operations of the corporation. The Staff Engineer, along with the part-time Engineering Technicians, provide the engineering services and inspection necessary for the design and construction of floodwater retention structures. A part-time Administrative Secretary performs the secretarial and accounting duties of the office.

Area II receives an annual allocation of \$189,000 from the State of Minnesota pursuant to statute. The combination of the nine member counties must match this allocation at 25%, or an amount of at least \$63,000 for an annual budget of \$252,000.

HISTORY

Flooding damages are very severe within Area II as caused by the steep escarpment formed by the Coteau des Prairies (Buffalo Ridge). This escarpment ranges from 4 to 6 miles in width with elevation ranging from 90 feet/mile [Yellow Bank Subbasin] to 50 feet/mile [Redwood Subbasin].

The Public Law 87-639 Study revealed total annual damages of \$4,197,448* by flooding alone. These damages vary from \$197,800* for the Redwood Subbasin to \$2,847,960* for the Lac qui Parle Subbasin.

**Monetary figures are in 1989 dollars.*

Approximately 112,500 acres are flooded during 100-year storm events with 30,100 acres being recurrently flooded every two (2) years. Flooding of croplands and pasturelands account for 80% of flood damages while road and bridge destruction comprise the remaining percentage.



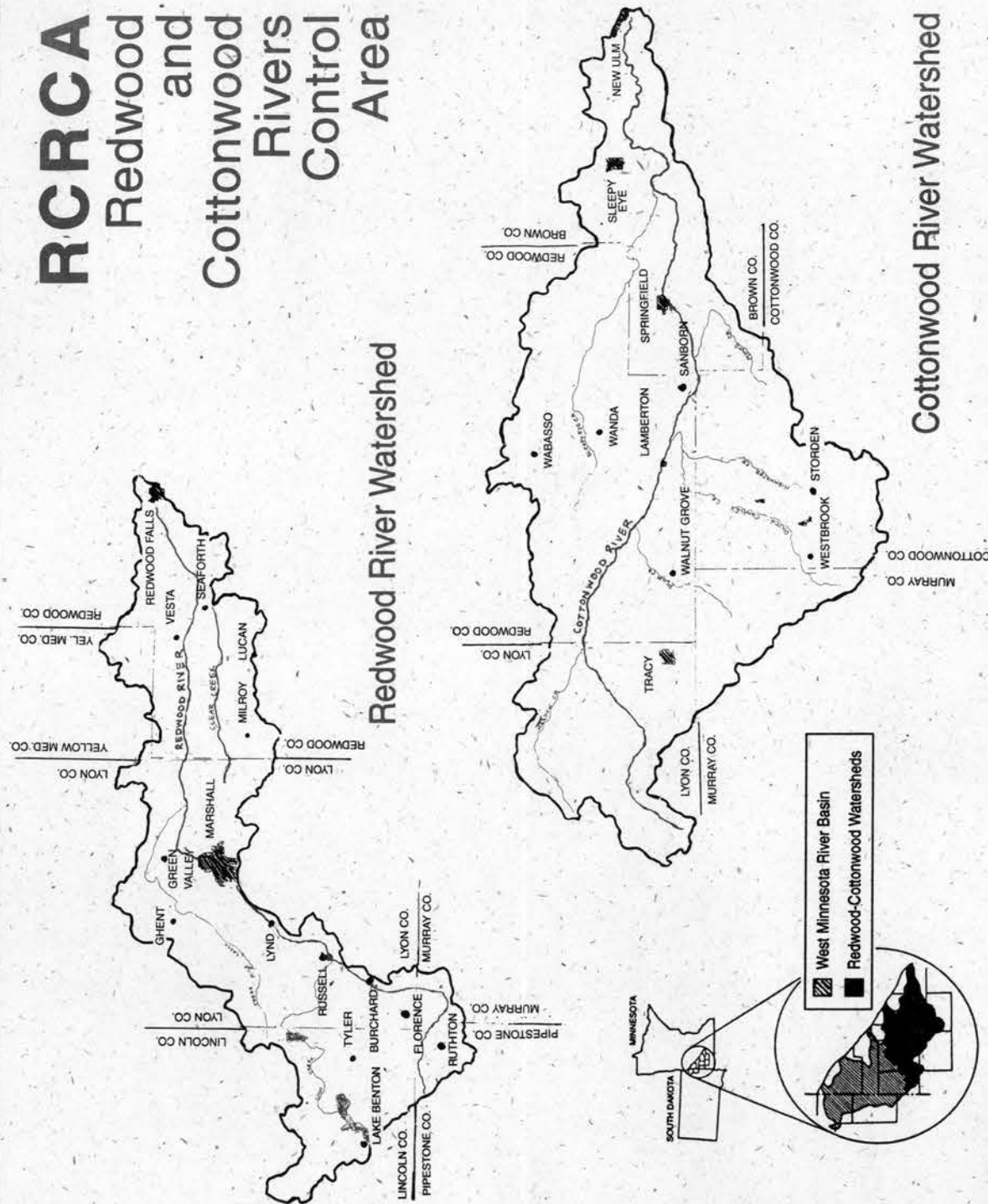
VISION STATEMENT

As the awareness of environmental impacts has grown, flood damage reduction efforts have been more successful in the form of smaller road retention structures that serve as temporary impoundments for the floodwaters. Area II continues to support the larger, multi-purpose dams and reservoirs that have been, and continue to be, a sound flood damage reduction practice.

Area II recognizes the importance of ecological systems — the relationship between soil, air, water, human life, and wildlife — and will implement water quality measures wherever practicable. Wetlands serve as Nature's own filtering and retention basins and shall be incorporated into Area II's mission while creating additional benefits of wildlife refuge and groundwater recharge.



RCRCA Redwood and Cottonwood Rivers Control Area



RCRCA SERVICES

- Conservation Grant Program
- Technical Support: Design and Survey Work
- River & Lake Restoration Projects
- County Water Planning
- Education & Information Services

FUNDING

Administrative support is provided by annual appropriations from member counties. Project-related funding is derived from local, state and federal agencies and private foundations.

FOR MORE INFORMATION



RCRCA

Redwood-Cottonwood Rivers Control Area
1241 East Bridge Street, Suite B
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507-637-2142

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RCRCA
Redwood-
Cottonwood
Rivers
Control Area



RCRCA

Redwood-Cottonwood Rivers Control Area

INTRODUCTION

RCRCA, formed in 1983 as a local-non-regulatory joint-powers organization, works to enhance and protect the Redwood and Cottonwood Rivers. Member counties and Soil and Water Conservation Districts include: Brown, Cottonwood, Lincoln, Lyon, Murray, Pipestone, Redwood and Yellow Medicine. RCRCA is a recognized leader in watershed management, working with local, state, and federal agencies, as well as private foundations to distribute information, and to finance and carry out programs of benefit to the two watersheds.

REDWOOD RIVER CLEAN WATER PROJECT

This six year project, initiated in 1994, is a local effort to restore the Redwood River and Lake Redwood. The goals of the Project are to reduce nutrients and sediment, to expand game fishery habitat and fishing opportunities, to reduce peak flows and improve flow stability, and to increase awareness of water quality issues in the Watershed.



CONSERVATION GRANT PROGRAM

As part of the Redwood River Clean Water Project, a grant program has been established to install Best Management Practices (BMPs) on agricultural land in the Watershed. To encourage implementation of BMPs, RCRCA, in cooperation with member SWCDs, offers landowners in the watershed grants covering up to 75 percent of the cost to adopt these practices. In addition to providing funding, technical staff is also available to work with landowners on surveying and designing BMPs. Assistance is also available for locating other funds for those who voluntarily implement conservation practices.

WETLAND RESTORATION PROGRAMS

Restored wetlands provide important benefits to water resources. Through research and demonstration projects, RCRCA works to improve understanding about these benefits, and to secure technical and financial assistance that make wetland restoration economical in the Redwood and Cottonwood watersheds.

COTTONWOOD RIVER RESTORATION PROJECT

Supported by a Clean Water Partnership Grant, the initial phase of this project established in 1996 is an assessment of nonpoint source pollution in the Cottonwood River watershed. This will be followed by adoption and implementation of a plan leading to protection and enhancement of water resources within the watershed. The Project is supported by multiple federal, state, and local agencies, and several local citizen groups.

EDUCATION / INFORMATION

The RCRCA educational program activities are intended to raise the level of public awareness and provide the most current information to all watershed residents. Through the use of various educational components, farmers and the general public will be able to learn about the watershed project and how they can participate in reducing erosion and nonpoint source pollution on their lands. Information includes continuing newsletters, updating written material, public meetings and events, as well as providing educational information developed for specific audiences.

A LOW COST ALTERNATIVE FOR FLOOD CONTROL

Road Retention projects can provide an efficient, cost-effective solution for your flooding problems! They provide an alternative to the trend of replacing culverts with larger, more expensive culverts, and bridges with larger bridges which transfer the flooding problems and damages downstream. This scenario was vividly shown in the large area of Minnesota that was damaged by the 1993 floods along with the flooding that occurred on the Mississippi and Missouri Rivers.

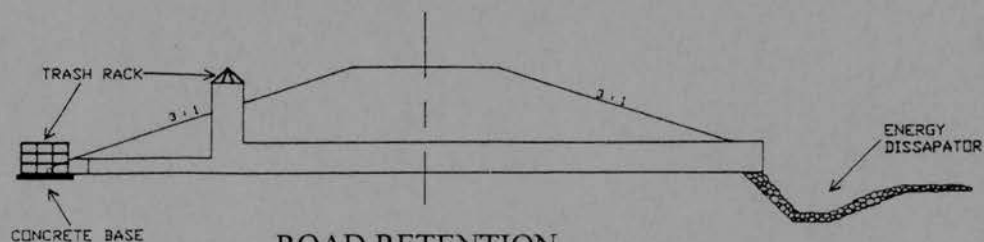


The member counties of Area II Minnesota River Basin Project, Inc. have been replacing culvert and bridges with smaller culverts on township roads, county roads, and state highways since 1989 as part of an overall floodplain management plan. The project sponsor purchases flowage easements from upstream property owners to allow the water to pond behind the road crossing for 24-72 hours. This time allows the structure to "meter" out the flow, thus reducing flood peaks, velocity, and water surface elevations downstream.

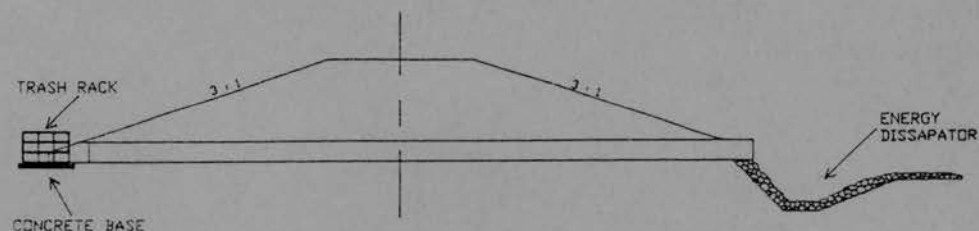
Road Retentions are most effective when the locations are carefully selected and designed to maximize the interaction with other culverts and bridges both upstream and downstream and creating a watershed-based design. Structures may be retrofitted to existing culverts in good condition, as part of new culvert installations, and as an integral part of sight distance improvements projects that usually require the roadway elevation to be raised.

These structures can have many configurations, but principally two different designs. Retrofitted designs of multiple culvert crossings are accomplished by plugging one or more line so culverts or modifying the inlets of existing culverts by providing a weir box for larger flows and maintaining a smaller culvert for low flows. New culvert installation can be on tow different designs: 1) a single culvert with standpipe weir, or 2) a smaller than existing culvert which allows the larger storms to be impounded by the roadway and smaller storms to pass through unimpeded. (See diagrams below.) These designs allow the engineer to custom fit the specific type of flood control that is best suited and most beneficial to the watershed.

ROAD RETENTION
TYPICAL DRAWING NO. 1



ROAD RETENTION
TYPICAL DRAWING NO. 2



Costs of installing retention structure range from slightly more than the cost of replacing an existing culvert to considerably less than replacing an existing bridge. For most road projects, the newly installed culvert will be smaller and less expensive, although the road height may require raising increasing the cost for additional fill material. Flowage easement costs are normally about \$200/acre for noncrop areas and \$400/acre for crop ground with encouragement to site projects where cropland can be avoided. Area II, in conjunction with the participating county engineers, have been providing professional engineering services for hydrologic and hydraulic design which reduces the cost of hiring a consultant engineer. Most roads and highways in need of upgrading for sight distance corrections and safety enhancement can easily be fitted for retentions as additional roadway height is already warranted.

Amendments to Town Bridge Law M.S. 160.80 in 1992 allows the use of state funds to pay for additional costs above and beyond the cost of typical bridge or culvert replacements when smaller appurtenances are installed to provide flood damage reduction. Counties which have constructed these types of projects have found the costs to be less than typical replacements due to the saving in pipe cost alone.

Road Retention structures do require the design of a professional engineer with a strong background in hydrology and hydraulics. For more information regarding Road Retention Technology or the design permitting process, please contact your local DNR Area Hydrologist, the Board of Water & Soil Resources, or Area II Minnesota River Basin Project, Inc. at:

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