

Minnesota Board of Water and Soil Resources. Minutes.

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August 20, 2018

Minnesota Board of Water & Soil Resources

Southbridge Office Building
155 South Wabasha Ave., Suite 104
St. Paul, Minnesota 55107

(612) 296-3767

March 13, 1989

TO: Board of Water and Soil Resources Members, Staff, and Advisors

FROM: Jim Birkholz, Executive Director

SUBJECT: March 22, 1989 BWSR Meeting

Enclosed is a list of preliminary agenda items and appropriate informational material for the March 22nd Board meeting. The meeting will start at 9:00 a.m. in Conference Room A of the Department of Agriculture Building, 90 W. Plato Boulevard, St. Paul, Minnesota. The last Board meeting ran fairly late into the afternoon. In an attempt to prevent spending our entire lives in Conference Room A, we have structured the agenda to adjourn at 3:00 p.m.

Enclosed for your use is an agenda item suggestion sheet. Please use this sheet for suggesting monthly agenda items. You may mail the information to the Board's office or simply call it in to any staff member - whichever is convenient. Also enclosed is a copy of the Board's recently printed brochure which has finally emerged from the bowels of the state print shop. The brochure is for your use at meetings and other events where you feel it would be useful to explain the Board and its cooperating local units of government. Additional copies will be available at the Board meeting. Please pick up a supply.

I direct your attention to the following agenda items:

- Soil and Water Stewardship Education Proposal. Staff has been working on a inter-agency proposal to develop and disseminate curricula on soil and water stewardship to primary and secondary schools. The draft proposal will be available at the Board meeting for Board's review, comment and action. The proposal is due March 31, 1989.

- Soil and Water Conservation District FY90 Grants. The staff level G-Team is meeting this week to discuss and suggest various options and priorities for the Board to consider in getting ready to allocate FY90 grants to soil and water conservation districts. No action is proposed at the meeting but it is a good opportunity to discuss the Board's grant allocations well before the decisions need to be made.

Regional Offices

Northwest Region
1819 Bemidji Ave.
Bemidji, MN 56601
218-755-3963

Northeast Region
Government Service Center
320 W. 2nd Street
Room 603
Duluth, MN 55802
218-723-4752

West Central Region
611 Iowa Avenue
Staples, MN 56479
218-894-1692

South Central Region
Box 756
New Ulm, MN 56073
507-354-2196

Southeast Region
Friedell Bldg., Room 100
1200 S. Broadway
Rochester, MN 55904
507-285-7458

Southwest Region
Box 111
1400 E. Lyon Street
Marshall, MN 56258
507-537-7260

East Central Region
Southbridge Office Building
155 South Wabasha Ave., Suite 104
St. Paul, MN 55107
612-296-3767

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- RIM Reserve Program Payment Rates. Land values are changing across the state. In some cases they're going up, in other cases still going down. Many soil and water conservation districts and legislators have suggested that RIM Reserve payment rates are too low in some cases to secure the necessary landowner cooperation. Enclosed are several sheets of statewide payment rates for limited duration easements. These are most often the easement payment rates which are suggested as being too low. Board discussion is needed on which preferred payment rate option should be used for the coming sign-up period. The three scenarios enclosed, the present 65%, or a 70% and 75% option are listed to show the affect on payment rates of these various scenarios. Board direction is needed to guide the payment rates for the next sign-up period. Some legislators have also indicated that they will be proposing a different payment rate scheme to increase payment rates. A Board position is needed on this issue.

- Southern Minnesota Rivers Basin Area II. This will be a review of the current activities of the Southern Minnesota Rivers Basin Area II in the ten-county southwest Minnesota area. Specific attention will be directed to the activities of local units of government in southwest Minnesota which may conflict with the actions of Study Area II. Opportunities for the Board to play a coordinative role will be discussed.

- PL566 Watershed Program. Several old PL566 watershed applications are no longer considered as valid. Attached is a letter from the Soil Conservation Service explaining those applications. Board action is required to terminate those applications. The Soil Conservation Service staff will provide more information at the meeting.

- Legislative Update. The hearing schedule is beginning to heat up. Bills and issues are changing rapidly. A full briefing will be given at the Board meeting on the current status of legislation affecting the Board. The Board's position will be needed on several of the pieces of legislation.

There will be no Board Representative report at the March meeting. Reports will resume at the April 26th meeting. Advisors remarks are an important part of the Board meeting. If any of the Board's advisors have hand-out materials they would like distributed, please contact me prior to the meeting. If you have questions, comments, or additions to the agenda, please contact Chairman Ogaard or myself. I look forward to seeing you on March 22nd.

JB:mja
Enc.

P.S. Also enclosed is a draft of an inter-agency agreement for the FmHA easement program. More details will be available at the meeting.

BOARD OF WATER AND SOIL RESOURCES
DEPARTMENT OF AGRICULTURE BUILDING
90 WEST PLATO BOULEVARD
CONFERENCE ROOM A
ST. PAUL, MINNESOTA 55107
MARCH 22, 1989

PRELIMINARY AGENDA ITEMS

9:00 a.m. Call to Order

Reports
- Chairman
- Executive Director
- EQB/Water Resource Committee - Loni Kemp

Soil and Water Stewardship Education Proposal
- Board discussion and action

SWCD FY90 Grants
- report of G-Team and discussion of grant options and priorities

RIM Reserve Program
- payment rate options for next sign-up

Southern Minnesota Rivers Basin Area II
- evaluation of local government consistency with Area II mission

Advisor Remarks

PL566 Watershed Program
- Board concurrence with invalid or unfeasible project applications more than 10 years old

110B Project Managers Report - Robert Finley
- southwest Minnesota counties

Legislative Update
- Board position on key legislation

3:00 p.m. Adjourn

State Grants

In addition to requests by state agencies for technical/professional services (published in the State Contracts section), the *State Register* also publishes notices about grant funds available through any agency or branch of state government. Although some grant programs specifically require printing in a statewide publication such as the *State Register*, there is no requirement for publication in the *State Register* itself.

Agencies are encouraged to publish grant notices, and to provide financial estimates as well as sufficient time for interested parties to respond.

Joint Legislative Committee on Agricultural Land Preservation and Soil and Water Conservation

Request for Proposal to Locate, Collect, Index, and Organize Materials on Soil and Water Stewardship for Use in Primary and Secondary School Curricula

The Joint Legislative Committee on Agricultural Land Preservation and Soil and Water Conservation is taking grant applications for an organization to develop curricula on soil and water stewardship for dissemination to primary and secondary schools pursuant to *Minnesota Laws 1988*, Chapter 688, Article 21, Section 17.

The amount of the grant will not exceed $80,000.

Organizations interested in applying for such funds should submit proposals to:

Patricia Becker, Administrative Assistant
Joint Legislative Committee on Agricultural
Land Preservation and Soil and Water Conservation
Room G-24, State Capitol
St. Paul, MN 55155

Applications will be accepted until March 31, 1989.

Senator Charles R. Davis
Chairman

Supreme Court Decisions

Decisions Filed 13 January 1989

C0-88-954 State of Minnesota v. Uche Matthew Aligah, Appellant. Court of Appeals.

Any possible error in admission of defendant's statement to police in violation of his right to counsel was harmless beyond a reasonable doubt.

Affirmed. Amdahl, C.J.

C0-87-2192 Anthony Rambaum v. Susan Lynn Swisher, Hrvatski Dom, an Association, petitioner, Appellant. Court of Appeals.

A fraternal club's sale of liquor to a person not a member nor a guest is an illegal sale under the Civil Damages Act.

The payment made in a *Pierringer* settlement is not credited against plaintiff's entire award, only against the settling defendant's share.

This court will not consider an issue not raised by a petition for further review.

Affirmed. Simonett, J.

Took no part, Popovich, J.

C6-88-277 Joon Kyu Kim, petitioner, Appellant v. State of Minnesota. Court of Appeals.

Under *Minn. R. Crim. P.* 15.05, subd. 2, a criminal defendant does not have an absolute right to withdraw his guilty plea before sentence has been imposed; rather, the defendant, in the discretion of the trial court, may be allowed to withdraw the plea "if it is fair to do so." *Held*, trial court did not abuse discretion in refusing to permit defendant to withdraw guilty plea because of claimed mistaken belief of defendant concerning collateral consequences of plea.

Reversed and judgment of conviction and order denying post-conviction relief reinstated. Coyne, J.

RIM RESERVE RULES

insurable title under a title insurance policy, not subject to any prior liens or encumbrances, approved by the Attorney General. Any title defect, liens, or encumbrances must be promptly removed or corrected by the landowner including, but not limited to, the following: lien waivers, releases or consent and subrogation from mortgagees, release or satisfaction of judgments, and receipt for payment of delinquent real estate taxes. The landowner's abstract of title must be returned to the landowner.

MS s 40.45

13 SR 1055

8400.3500 EASEMENT CONVEYANCE.

Upon delivery and recording of a properly executed conservation easement, approved by the commissioner, and the vesting of the easement interest in the commissioner, not subject to any prior lien or encumbrances, payment must be made for the easement to the landowner, landowner's designees, assignees, or heirs.

MS s 40.45

13 SR 1055

CALCULATING RIM RESERVE PAYMENTS →

8400.3530 PAYMENT RATES.

Subpart 1. **Calculation.** The payment rate for the conservation easement must be calculated according to subparts 2 to 4.

Subp. 2. **New easements.** For permanent easements, payments are per acre figures derived from county average cash rent adjusted for countywide variations in estimated township market value. The figures are established on a township basis with the lower of the following two values selected as the payment:

A. 100 percent of the present value of the derived per acre figure calculated for perpetuity; or

B. 90 percent of estimated township market value.

This payment method provides higher values for better quality land and ensures that payments do not exceed estimated market values. A schedule of payments for townships and unorganized

areas is developed annually and is available at district offices or from the commissioner.

For limited duration easements not less than 20 years in length, payments are based on 65 percent of the permanent easement payment.

Payment rates may be modified prior to the sign up by the commissioner if the commissioner determines the rates established above do not reflect current market values based on the most recent land value market indicators.

The commissioner shall annually establish the discount rate to be used for calculating present value. Average cash rent and estimated market value are based on information provided by the Department of Revenue in cooperation with local assessors.

Subp. 3. **Conversion to permanent easement.** When converting limited duration easements to permanent easements, the payment is the difference between the amount paid per acre for the permanent easement as established for the most recent sign-up period and the amount already paid for the limited duration easement on the area.

Subp. 4. **Approved practices.** The payment rate for the approved conservation practice to be applied to the easement area is described in Minnesota Statutes, section 40.43, subdivision 6.

MS s 40.45

13 SR 1055

8400.3560 PAYMENTS.

Payments for easements will be a one-time lump sum amount unless the landowner requests a split payment for up to four equal annual installments for which no interest is paid. Payments may be assigned by the landowner.

MS s 40.45

13 SR 1055

8400.3600 EASEMENT RENEWAL AND CONVERSION.

A. When a conservation easement of limited duration expires, a new conservation easement and agreement for an

65% PERP LIMITED EASEMENT PAYMENT OPTIONS FOR 1989
REVISED 3/1/89

DISTRICT	EST MKT VAL / ACRE 1986	1988	# CHG	CASH RENT /ACRE 1986	1988	# CHG	CRP PAYMT /ACRE 1986	1988	CO.AVG 88 LTD. PMT.	20 YEAR ANNUAL OPTION DISC.%= 7	20 YEAR ANNUAL OPTION DISC.%= 8	15 YEAR ANNUAL OPTION DISC.%= 7	15 YEAR ANNUAL OPTION DISC.%= 8
AITKIN	$217.44	$248.24	+	$6.94	$7.81	+	$30.00	$25.00	$145.22	$13.71	$14.79	$15.94	$16.97
ANOKA	N/A	N/A	N/A	$26.50	N/A	N/A	$45.00	$45.00	N/A	N/A	N/A	N/A	N/A
BECKER	$358.60	$388.20	+	$30.62	$25.42	-	$45.00	$43.56	$227.10	$21.44	$23.13	$24.93	$26.53
BELTRAMI	$203.25	$180.33	-	$10.33	$6.59	-	$30.00	$29.63	$105.49	$9.96	$10.74	$11.58	$12.32
BENTON	$496.13	$541.25	+	$24.41	$20.87	-	$45.00	$43.26	$316.63	$29.89	$32.25	$34.76	$36.99
BIG STONE	$547.58	$457.84	-	$45.46	$42.22	-	$55.00	$53.80	$267.84	$25.28	$27.28	$29.41	$31.29
BLUE EARTH	$965.26	$834.92	-	$85.58	$79.17	-	$85.00	$83.78	$488.43	$46.10	$49.75	$53.63	$57.06
BROWN	$1,158.04	$811.65	-	$81.24	$69.28	-	$85.00	N/A	$474.82	$44.82	$48.36	$52.13	$55.47
CARLTON	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CARVER	$952.80	$949.11	-	$61.08	N/A	N/A	$70.00	$63.00	$555.23	$52.41	$56.55	$60.96	$64.87
CASS	$177.77	$212.21	+	N/A	$8.06	+	$30.00	$29.17	$124.14	$11.72	$12.64	$13.63	$14.50
CHIPPEWA	$878.90	$607.05	-	$71.07	$63.24	-	$70.00	$68.96	$355.12	$33.52	$36.17	$38.99	$41.49
CHISAGO	$473.31	$710.26	+	$23.67	$23.80	+	$45.00	$44.11	$415.50	$39.22	$42.32	$45.62	$48.54
CLAY	$605.80	$569.65	-	$67.71	$44.70	-	$55.00	$50.96	$333.25	$31.46	$33.94	$36.59	$38.93
CLEARWATER	$210.57	$236.42	+	$16.84	$16.56	-	$30.00	$30.54	$138.31	$13.06	$14.09	$15.19	$16.16
COOK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
COTTONWOOD	$989.69	$704.14	-	$77.43	$72.60	-	$85.00	$75.00	$411.92	$38.88	$41.96	$45.23	$48.12
CROW WING	$230.47	$243.98	+	$13.55	$11.45	-	$30.00	$28.75	$142.73	$13.47	$14.54	$15.67	$16.67
DAKOTA	$735.43	$777.50	+	$56.43	N/A	N/A	$80.00	$77.70	$454.84	$42.93	$46.33	$49.94	$53.14
DODGE	$886.34	$630.23	-	$59.94	$59.28	-	$85.00	$81.94	$368.68	$34.80	$37.55	$40.48	$43.07
DOUGLAS	$451.43	$411.35	-	$30.85	$31.12	+	$50.00	$45.40	$240.64	$22.71	$24.51	$26.42	$28.11
FARIBAULT	$1,134.56	$851.72	-	$84.36	$78.06	-	$85.00	$83.62	$498.26	$47.03	$50.75	$54.71	$58.21
FILLMORE	$526.77	$424.33	-	$57.56	$60.56	+	$80.00	$77.16	$248.23	$23.43	$25.28	$27.25	$29.00
FREEBORN	$907.84	$603.72	-	$64.08	$69.73	+	$85.00	$81.40	$353.18	$33.34	$35.97	$38.78	$41.26
GOODHUE	$767.34	$645.90	-	$60.67	$59.62	-	$80.00	$75.26	$377.85	$35.67	$38.49	$41.49	$44.14
GRANT	N/A	N/A	N/A	$46.82	$44.31	-	$55.00	$54.50	N/A	N/A	N/A	N/A	N/A
HENNEPIN	N/A	N/A	N/A	N/A	N/A	N/A	$50.00	$47.10	N/A	N/A	N/A	N/A	N/A
HUBBARD	$217.63	$233.46	+	$9.13	$9.05	-	$30.00	$29.16	$136.57	$12.89	$13.91	$15.00	$15.96
ISANTI	$377.57	$555.04	+	$27.46	$25.17	-	$45.00	$43.53	$324.70	$30.65	$33.07	$35.65	$37.93
ITASCA	N/A	N/A	N/A	N/A	N/A	N/A	$30.00	$30.00	N/A	N/A	N/A	N/A	N/A
JACKSON	$1,016.74	$752.95	-	$83.24	$78.92	-	$85.00	$84.62	$440.48	$41.58	$44.86	$48.36	$51.46
KANABEC	$286.00	$381.34	+	$19.37	$15.16	-	$45.00	$39.71	$223.08	$21.06	$22.72	$24.49	$26.06
KANDIYOHI	$772.75	$600.16	-	$51.09	$55.35	+	$70.00	$61.11	$351.09	$33.14	$35.76	$38.55	$41.02
KITTSON	$387.99	$405.86	+	$30.58	$37.67	+	$44.00	$42.28	$237.43	$22.41	$24.18	$26.07	$27.74
KOOCHICHING	$129.55	$351.16	+	N/A	N/A	N/A	$30.00	$30.00	$205.43	$19.39	$20.92	$22.55	$24.00
LAC QUI PARLE	$663.02	$488.20	-	$50.13	$50.48	+	$70.00	$60.08	$285.60	$26.96	$29.09	$31.36	$33.37
LAKE	N/A	N/A	N/A	N/A	N/A	N/A	$30.00	$30.63	N/A	N/A	N/A	N/A	N/A
LAKE OF THE WOODS	$158.22	$176.39	+	$10.17	N/A	N/A	$30.00	N/A	$103.19	$9.74	$10.51	$11.33	$12.06
LESUEUR	$851.37	$759.33	-	$65.48	$67.71	+	$85.00	$83.02	$444.21	$41.93	$45.24	$48.77	$51.90
LINCOLN	$427.59	$360.40	-	$42.93	$43.50	+	$70.00	$60.35	$210.83	$19.90	$21.47	$23.15	$24.63
LYON	$641.19	$554.59	-	$61.88	$52.09	-	$70.00	$67.68	$324.44	$30.62	$33.04	$35.62	$37.90
MAHNOMEN	$374.69	$404.49	+	$36.50	$33.53	-	$45.00	$44.79	$236.63	$22.34	$24.10	$25.98	$27.64
MARSHALL-BELTRAMI	$404.69	$369.93	-	$35.37	$33.51	-	$44.00	$42.69	$216.41	$20.43	$22.04	$23.76	$25.28
MARSHALL	$404.69	$369.93	-	$35.37	$33.51	-	$44.00	$42.69	$216.41	$20.43	$22.04	$23.76	$25.28
MARTIN	$1,156.79	$870.88	-	$95.97	$80.01	-	$85.00	$84.83	$509.46	$48.09	$51.89	$55.94	$59.52
MCLEOD	$886.81	$635.25	-	$54.69	$50.79	-	$70.00	$65.06	$371.62	$35.08	$37.85	$40.80	$43.42
MEEKER	$794.57	$589.14	-	$45.36	$44.12	-	$70.00	$58.68	$344.65	$32.53	$35.10	$37.84	$40.26
MILLE LACS	$342.01	$426.64	+	$23.53	$25.89	+	$45.00	$45.00	$249.58	$23.56	$25.42	$27.40	$29.16

65% PERP LIMITED EASEMENT PAYMENT OPTIONS FOR 1989
REVISED 3/1/89

DISTRICT	EST MKT VAL / ACRE 1986	1988	# CHG	* CASH RENT /ACRE 1986	1988	# CHG	* CRP PAYMT /ACRE 1986	1988	* CO.AVG 88 LTD. PMT.	20 YEAR ANNUAL OPTION DISC.%= 7	20 YEAR ANNUAL OPTION DISC.%= 8	15 YEAR ANNUAL OPTION DISC.%= 7	15 YEAR ANNUAL OPTION DISC.%= 8
MORRISON	$293.78	$390.04	+	$22.02	$20.76	-	$45.00	$43.19	$228.17	$21.54	$23.24	$25.05	$26.66
MOWER	$785.91	N/A	N/A	$59.36	$62.21	+	$85.00	$82.28	N/A	N/A	N/A	N/A	N/A
MURRAY	$706.20	$572.07	-	$58.71	$62.69	+	$70.00	$69.66	$334.66	$31.59	$34.09	$36.74	$39.10
NICOLLET	$1,047.27	$804.21	-	$83.82	$68.68	-	$85.00	$74.25	$470.46	$44.41	$47.92	$51.65	$54.96
NOBLES	$746.08	$602.55	-	$72.29	$66.89	-	$70.00	$70.31	$352.49	$33.27	$35.90	$38.70	$41.18
NORMAN	N/A	N/A	N/A	$51.13	$41.96	-	$55.00	$54.33	N/A	N/A	N/A	N/A	N/A
OLMSTED	$709.20	$526.62	-	$56.73	$55.52	-	$80.00	$78.29	$308.07	$29.08	$31.38	$33.82	$35.99
EAST OTTER TAIL	$338.63	$411.70	+	$32.18	$29.39	-	$45.00	$30.33	$240.84	$22.73	$24.53	$26.44	$28.14
WEST OTTER TAIL	$338.63	$411.70	+	$32.18	$29.39	-	$55.00	$36.48	$240.84	$22.73	$24.53	$26.44	$28.14
PENNINGTON	$321.93	$237.90	-	$19.86	$25.26	+	$44.00	N/A	$139.17	$13.14	$14.17	$15.28	$16.26
PINE	$232.25	$294.57	+	$16.93	$14.13	-	$30.00	$30.00	$172.32	$16.27	$17.55	$18.92	$20.13
PIPESTONE	$537.35	$432.82	-	$49.05	$49.66	+	$70.00	$65.92	$253.20	$23.90	$25.79	$27.80	$29.58
EAST POLK	$574.53	$532.38	-	$46.03	$39.71	-	$45.00	$43.76	$311.44	$29.40	$31.72	$34.19	$36.39
WEST POLK	$574.53	$532.38	-	$46.03	$39.71	-	$55.00	$52.77	$311.44	$29.40	$31.72	$34.19	$36.39
POPE	$477.57	$438.96	-	$42.60	$37.18	-	$50.00	$45.47	$256.79	$24.24	$26.15	$28.19	$30.00
RAMSEY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
RED LAKE	$346.33	$255.86	-	$29.74	$29.65	-	$30.00	$40.28	$149.68	$14.13	$15.25	$16.43	$17.49
REDWOOD	$1,044.19	$745.04	-	$87.07	$68.53	-	$85.00	$82.41	$435.85	$41.14	$44.39	$47.85	$50.92
RENVILLE	$1,056.23	$730.28	-	$87.09	$71.16	-	$85.00	$80.06	$427.21	$40.33	$43.51	$46.91	$49.91
RICE	$804.33	$696.43	-	$56.82	$56.16	-	$85.00	$80.61	$407.41	$38.46	$41.50	$44.73	$47.60
ROCK	$720.28	$590.96	-	$62.84	$61.87	-	$70.00	$62.00	$345.71	$32.63	$35.21	$37.96	$40.39
ROOT RIVER	$446.10	$507.84	+	$54.78	$68.43	+	$80.00	$79.39	$297.09	$28.04	$30.26	$32.62	$34.71
ROSEAU	$249.17	$226.39	-	$26.54	$26.22	-	$44.00	$42.82	$132.44	$12.50	$13.49	$14.54	$15.47
NORTH ST. LOUIS	$142.53	$113.52	-	$3.00	$5.00	+	$30.00	$29.99	$66.41	$6.27	$6.76	$7.29	$7.76
SOUTH ST. LOUIS	$142.53	$113.52	-	$3.00	$5.00	+	$30.00	$27.50	$66.41	$6.27	$6.76	$7.29	$7.76
SCOTT	$1,039.35	$1,040.50	+	$65.92	N/A	N/A	$70.00	$67.27	$608.69	$57.46	$62.00	$66.83	$71.11
SHERBURNE	$408.50	$802.52	+	$14.94	$18.61	+	$45.00	$37.17	$469.47	$44.32	$47.82	$51.55	$54.85
SIBLEY	$970.15	$673.00	-	$73.73	$63.13	-	$85.00	$81.67	$393.71	$37.16	$40.10	$43.23	$46.00
STEARNS	$528.99	$468.87	-	$32.41	$31.68	-	$50.00	$48.40	$274.29	$25.89	$27.94	$30.12	$32.05
STEELE	$893.64	$642.53	-	$62.40	$67.00	+	$85.00	$83.26	$375.88	$35.48	$38.28	$41.27	$43.91
STEVENS	$721.14	$529.06	-	$49.48	$47.16	-	$55.00	$55.00	$309.50	$29.21	$31.52	$33.98	$36.16
SWIFT	$643.30	$477.45	-	$49.90	$45.62	-	$55.00	$51.71	$279.31	$26.36	$28.45	$30.67	$32.63
TODD	$317.72	$375.91	+	$21.48	$19.74	-	$45.00	$42.91	$219.91	$20.76	$22.40	$24.14	$25.69
TRAVERSE	$736.95	$492.93	-	$44.64	$45.44	+	$55.00	$52.90	$288.36	$27.22	$29.37	$31.66	$33.69
WABASHA	$635.31	N/A	N/A	$58.60	$59.27	+	$80.00	$78.14	N/A	N/A	N/A	N/A	N/A
WADENA	$207.49	$207.49	-	$13.66	$15.54	+	$30.00	$29.28	$121.38	$11.46	$12.36	$13.33	$14.18
WASECA	$1,025.54	N/A	N/A	$82.85	$74.38	-	$85.00	$82.58	N/A	N/A	N/A	N/A	N/A
WASHINGTON	N/A	N/A	N/A	N/A	N/A	N/A	$50.00	$50.00	N/A	N/A	N/A	N/A	N/A
WATONWAN	$1,036.04	$826.90	-	$96.34	$79.21	-	$85.00	$82.57	$483.74	$45.66	$49.27	$53.11	$56.51
WILKIN	$697.07	$598.14	-	$44.71	$45.44	+	$55.00	$53.49	$349.91	$33.03	$35.64	$38.42	$40.88
WINONA	$576.52	$578.09	+	$55.54	$56.58	+	$80.00	$79.60	$338.18	$31.92	$34.44	$37.13	$39.51
WRIGHT	$788.27	$448.09	-	$47.77	$37.55	-	$50.00	$46.80	$262.13	$24.74	$26.70	$28.78	$30.62
YELLOW MEDICINE	$737.31	$550.12	-	$66.69	$60.37	-	$70.00	$68.28	$321.82	$30.38	$32.78	$35.33	$37.60

70% PERP LIMITED EASEMENT PAYMENT OPTIONS FOR 1989
REVISED 3/1/89

DISTRICT	EST MKT VAL / ACRE 1986	1988	# CHG	CASH RENT /ACRE 1986	1988	# CHG	CRP PAYMT /ACRE 1986	1988	CO.AVG 88 LTD. PMT.	20 YEAR ANNUAL OPTION DISC.%= 7	8	20 YEAR ANNUAL OPTION DISC.%= 7	8	15 YEAR ANNUAL OPTION DISC.%= 7	8	15 YEAR ANNUAL OPTION DISC.%= 7	8
AITKIN	$217.44	$248.24	+	$6.94	$7.81	+	$30.00	$25.00	$156.39	$14.76	$15.93	$17.17	$18.27				
ANOKA	N/A	N/A	N/A	$26.50	N/A	N/A	$45.00	$45.00	N/A	N/A	N/A	N/A	N/A				
BECKER	$358.60	$388.20	+	$30.62	$25.42	-	$45.00	$43.56	$244.57	$23.09	$24.91	$26.85	$28.57				
BELTRAMI	$203.25	$180.33	-	$10.33	$6.59	-	$30.00	$29.63	$113.61	$10.72	$11.57	$12.47	$13.27				
BENTON	$496.13	$541.25	+	$24.41	$20.87	-	$45.00	$43.26	$340.99	$32.19	$34.73	$37.44	$39.84				
BIG STONE	$547.58	$457.84	-	$45.46	$42.22	-	$55.00	$53.80	$288.44	$27.23	$29.38	$31.67	$33.70				
BLUE EARTH	$965.26	$834.92	-	$85.58	$79.17	-	$85.00	$83.78	$526.00	$49.65	$53.57	$57.75	$61.45				
BROWN	$1,158.04	$811.65	-	$81.24	$69.28	-	$85.00	N/A	$511.34	$48.27	$52.08	$56.14	$59.74				
CARLTON	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A				
CARVER	$952.80	$949.11	-	$61.08	N/A	N/A	$70.00	$63.00	$597.94	$56.44	$60.90	$65.65	$69.86				
CASS	$177.77	$212.21	+	N/A	$8.06	+	$30.00	$29.17	$133.69	$12.62	$13.62	$14.68	$15.62				
CHIPPEWA	$878.90	$607.05	-	$71.07	$63.24	-	$70.00	$68.96	$382.44	$36.10	$38.95	$41.99	$44.68				
CHISAGO	$473.31	$710.26	+	$23.67	$23.80	+	$45.00	$44.11	$447.46	$42.24	$45.58	$49.13	$52.28				
CLAY	$605.80	$569.65	-	$67.71	$44.70	-	$55.00	$50.96	$358.88	$33.88	$36.55	$39.40	$41.93				
CLEARWATER	$210.57	$236.42	+	$16.84	$16.56	-	$30.00	$30.54	$148.94	$14.06	$15.17	$16.35	$17.40				
COOK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A				
COTTONWOOD	$989.69	$704.14	-	$77.43	$72.60	-	$85.00	$75.00	$443.61	$41.87	$45.18	$48.71	$51.83				
CROW WING	$230.47	$243.98	+	$13.55	$11.45	-	$30.00	$28.75	$153.71	$14.51	$15.66	$16.88	$17.96				
DAKOTA	$735.43	$777.50	+	$56.43	N/A	N/A	$80.00	$77.70	$489.83	$46.24	$49.89	$53.78	$57.23				
DODGE	$886.34	$630.23	-	$59.94	$59.28	-	$85.00	$81.94	$397.04	$37.48	$40.44	$43.59	$46.39				
DOUGLAS	$451.43	$411.35	-	$30.85	$31.12	+	$50.00	$45.40	$259.15	$24.46	$26.40	$28.45	$30.28				
FARIBAULT	$1,134.56	$851.72	-	$84.36	$78.06	-	$85.00	$83.62	$536.58	$50.65	$54.65	$58.91	$62.69				
FILLMORE	$526.77	$424.33	-	$57.56	$60.56	+	$80.00	$77.16	$267.33	$25.23	$27.23	$29.35	$31.23				
FREEBORN	$907.84	$603.72	-	$64.08	$69.73	+	$85.00	$81.40	$380.34	$35.90	$38.74	$41.76	$44.44				
GOODHUE	$767.34	$645.90	-	$60.67	$59.62	-	$80.00	$75.26	$406.92	$38.41	$41.45	$44.68	$47.54				
GRANT	N/A	N/A	N/A	$46.82	$44.31	-	$55.00	$54.50	N/A	N/A	N/A	N/A	N/A				
HENNEPIN	N/A	N/A	N/A	N/A	N/A	N/A	$50.00	$47.10	N/A	N/A	N/A	N/A	N/A				
HUBBARD	$217.63	$233.46	+	$9.13	$9.05	-	$30.00	$29.16	$147.08	$13.88	$14.98	$16.15	$17.18				
ISANTI	$377.57	$555.04	+	$27.46	$25.17	-	$45.00	$43.53	$349.68	$33.01	$35.62	$38.39	$40.85				
ITASCA	N/A	N/A	N/A	N/A	N/A	N/A	$30.00	$30.00	N/A	N/A	N/A	N/A	N/A				
JACKSON	$1,016.74	$752.95	-	$83.24	$78.92	-	$85.00	$84.62	$474.36	$44.78	$48.31	$52.08	$55.42				
KANABEC	$286.00	$381.34	+	$19.37	$15.16	-	$45.00	$39.71	$240.24	$22.68	$24.47	$26.38	$28.07				
KANDIYOHI	$772.75	$600.16	-	$51.09	$55.35	+	$70.00	$61.11	$378.10	$35.69	$38.51	$41.51	$44.17				
KITTSON	$387.99	$405.86	+	$30.58	$37.67	+	$44.00	$42.28	$255.69	$24.14	$26.04	$28.07	$29.87				
KOOCHICHING	$129.55	$351.16	+	N/A	N/A	N/A	$30.00	$30.00	$221.23	$20.88	$22.53	$24.29	$25.85				
LAC QUI PARLE	$663.02	$488.20	-	$50.13	$50.48	+	$70.00	$60.08	$307.57	$29.03	$31.33	$33.77	$35.93				
LAKE	N/A	N/A	N/A	N/A	N/A	N/A	$30.00	$30.63	N/A	N/A	N/A	N/A	N/A				
LAKE OF THE WOODS	$158.22	$176.39	+	$10.17	N/A	N/A	$30.00	N/A	$111.13	$10.49	$11.32	$12.20	$12.98				
LESUEUR	$851.37	$759.33	-	$65.48	$67.71	+	$85.00	$83.02	$478.38	$45.16	$48.72	$52.52	$55.89				
LINCOLN	$427.59	$360.40	-	$42.93	$43.50	+	$70.00	$60.35	$227.05	$21.43	$23.13	$24.93	$26.53				
LYON	$641.19	$554.59	-	$61.88	$52.09	-	$70.00	$67.68	$349.39	$32.98	$35.59	$38.36	$40.82				
MAHNOMEN	$374.69	$404.49	+	$36.50	$33.53	-	$45.00	$44.79	$254.83	$24.05	$25.95	$27.98	$29.77				
MARSHALL-BELTRAMI	$404.69	$369.93	-	$35.37	$33.51	-	$44.00	$42.69	$233.06	$22.00	$23.74	$25.59	$27.23				
MARSHALL	$404.69	$369.93	-	$35.37	$33.51	-	$44.00	$42.69	$233.06	$22.00	$23.74	$25.59	$27.23				
MARTIN	$1,156.79	$870.88	-	$95.97	$80.01	-	$85.00	$84.83	$548.65	$51.79	$55.88	$60.24	$64.10				
MCLEOD	$886.81	$635.25	-	$54.69	$50.79	-	$70.00	$65.06	$400.21	$37.78	$40.76	$43.94	$46.76				
MEEKER	$794.57	$589.14	-	$45.36	$44.12	-	$70.00	$58.68	$371.16	$35.03	$37.80	$40.75	$43.36				
MILLE LACS	$342.01	$426.64	+	$23.53	$25.89	+	$45.00	$45.00	$268.78	$25.37	$27.38	$29.51	$31.40				

70% PERP LIMITED EASEMENT PAYMENT OPTIONS FOR 1989
REVISED 3/1/89

DISTRICT	EST MKT VAL / ACRE 1986	1988	# CHG	CASH RENT /ACRE 1986	1988	# CHG	CRP PAYMT /ACRE 1986	1988	CO.AVG 88 LTD. PMT.	20 YEAR ANNUAL OPTION DISC.%= 7	20 YEAR ANNUAL OPTION DISC.%= 8	15 YEAR ANNUAL OPTION DISC.%= 8	15 YEAR ANNUAL OPTION DISC.%= 7
MORRISON	$293.78	$390.04	+	$22.02	$20.76	-	$45.00	$43.19	$245.73	$23.19	$25.03	$26.98	$28.71
MOWER	$785.91	N/A	N/A	$59.36	$62.21	+	$85.00	$82.28	N/A	N/A	N/A	N/A	N/A
MURRAY	$706.20	$572.07	-	$58.71	$62.69	+	$70.00	$69.66	$360.40	$34.02	$36.71	$39.57	$42.11
NICOLLET	$1,047.27	$804.21	-	$83.82	$68.68	-	$85.00	$74.25	$506.65	$47.82	$51.60	$55.63	$59.19
NOBLES	$746.08	$602.55	-	$72.29	$66.89	-	$70.00	$70.31	$379.61	$35.83	$38.66	$41.68	$44.35
NORMAN	N/A	N/A	N/A	$51.13	$41.96	-	$55.00	$54.33	N/A	N/A	N/A	N/A	N/A
OLMSTED	$709.20	$526.62	-	$56.73	$55.52	-	$80.00	$78.29	$331.77	$31.32	$33.79	$36.43	$38.76
EAST OTTER TAIL	$338.63	$411.70	+	$32.18	$29.39	-	$45.00	$30.33	$259.37	$24.48	$26.42	$28.48	$30.30
WEST OTTER TAIL	$338.63	$411.70	+	$32.18	$29.39	-	$55.00	$36.48	$259.37	$24.48	$26.42	$28.48	$30.30
PENNINGTON	$321.93	$237.90	-	$19.86	$25.26	+	$44.00	N/A	$149.88	$14.15	$15.27	$16.46	$17.51
PINE	$232.25	$294.57	+	$16.93	$14.13	-	$30.00	$30.00	$185.58	$17.52	$18.90	$20.38	$21.68
PIPESTONE	$537.35	$432.82	-	$49.05	$49.66	+	$70.00	$65.92	$272.68	$25.74	$27.77	$29.94	$31.86
EAST POLK	$574.53	$532.38	-	$46.03	$39.71	-	$45.00	$43.76	$335.40	$31.66	$34.16	$36.83	$39.18
WEST POLK	$574.53	$532.38	-	$46.03	$39.71	-	$55.00	$52.77	$335.40	$31.66	$34.16	$36.83	$39.18
POPE	$477.57	$438.96	-	$42.60	$37.18	-	$50.00	$45.47	$276.54	$26.10	$28.17	$30.36	$32.31
RAMSEY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
RED LAKE	$346.33	$255.86	-	$29.74	$29.65	-	$30.00	$40.28	$161.19	$15.22	$16.42	$17.70	$18.83
REDWOOD	$1,044.19	$745.04	-	$87.07	$68.53	-	$85.00	$82.41	$469.38	$44.31	$47.81	$51.53	$54.84
RENVILLE	$1,056.23	$730.28	-	$87.09	$71.16	-	$85.00	$80.06	$460.08	$43.43	$46.86	$50.51	$53.75
RICE	$804.33	$696.43	-	$56.82	$56.16	-	$85.00	$80.61	$438.75	$41.41	$44.69	$48.17	$51.26
ROCK	$720.28	$590.96	-	$62.84	$61.87	-	$70.00	$62.00	$372.30	$35.14	$37.92	$40.88	$43.50
ROOT RIVER	$446.10	$507.84	+	$54.78	$68.43	+	$80.00	$79.39	$319.94	$30.20	$32.59	$35.13	$37.38
ROSEAU	$249.17	$226.39	-	$26.54	$26.22	-	$44.00	$42.82	$142.63	$13.46	$14.53	$15.66	$16.66
NORTH ST. LOUIS	$142.53	$113.52	-	$3.00	$5.00	+	$30.00	$29.99	$71.52	$6.75	$7.28	$7.85	$8.36
SOUTH ST. LOUIS	$142.53	$113.52	-	$3.00	$5.00	+	$30.00	$27.50	$71.52	$6.75	$7.28	$7.85	$8.36
SCOTT	$1,039.35	$1,040.50	+	$65.92	N/A	N/A	$70.00	$67.27	$655.52	$61.88	$66.77	$71.97	$76.58
SHERBURNE	$408.50	$802.52	+	$14.94	$18.61	+	$45.00	$37.17	$505.59	$47.72	$51.50	$55.51	$59.07
SIBLEY	$970.15	$673.00	-	$73.73	$63.13	-	$85.00	$81.67	$423.99	$40.02	$43.18	$46.55	$49.53
STEARNS	$528.99	$468.87	-	$32.41	$31.68	-	$50.00	$48.40	$295.39	$27.88	$30.09	$32.43	$34.51
STEELE	$893.64	$642.53	-	$62.40	$67.00	+	$85.00	$83.26	$404.79	$38.21	$41.23	$44.44	$47.29
STEVENS	$721.14	$529.06	-	$49.48	$47.16	-	$55.00	$55.00	$333.31	$31.46	$33.95	$36.60	$38.94
SWIFT	$643.30	$477.45	-	$49.90	$45.62	-	$55.00	$51.71	$300.79	$28.39	$30.64	$33.03	$35.14
TODD	$317.72	$375.91	+	$21.48	$19.74	-	$45.00	$42.91	$236.82	$22.35	$24.12	$26.00	$27.67
TRAVERSE	$736.95	$492.93	-	$44.64	$45.44	+	$55.00	$52.90	$310.55	$29.31	$31.63	$34.10	$36.28
WABASHA	$635.31	N/A	N/A	$58.60	$59.27	+	$80.00	$78.14	N/A	N/A	N/A	N/A	N/A
WADENA	$207.49	$207.49	-	$13.66	$15.54	+	$30.00	$29.28	$130.72	$12.34	$13.31	$14.35	$15.27
WASECA	$1,025.54	N/A	N/A	$82.85	$74.38	-	$85.00	$82.58	N/A	N/A	N/A	N/A	N/A
WASHINGTON	N/A	N/A	N/A	N/A	N/A	N/A	$50.00	$50.00	N/A	N/A	N/A	N/A	N/A
WATONWAN	$1,036.04	$826.90	-	$96.34	$79.21	-	$85.00	$82.57	$520.95	$49.17	$53.06	$57.20	$60.86
WILKIN	$697.07	$598.14	-	$44.71	$45.44	+	$55.00	$53.49	$376.83	$35.57	$38.38	$41.37	$44.02
WINONA	$576.52	$578.09	+	$55.54	$56.58	+	$80.00	$79.60	$364.20	$34.38	$37.09	$39.99	$42.55
WRIGHT	$788.27	$448.09	-	$47.77	$37.55	-	$50.00	$46.80	$282.30	$26.65	$28.75	$30.99	$32.98
YELLOW MEDICINE	$737.31	$550.12	-	$66.69	$60.37	-	$70.00	$68.28	$346.58	$32.71	$35.30	$38.05	$40.49

75% PERP LIMITED EASEMENT PAYMENT OPTIONS FOR 1989
REVISED 3/1/89

DISTRICT	EST MKT VAL / ACRE 1986	1988	# CHG	CASH RENT /ACRE 1986	1988	# CHG	CRP PAYMT /ACRE 1986	1988	CO.AVG 88 LTD. PMT.	20 YEAR ANNUAL OPTION DISC.%= 7	20 YEAR ANNUAL OPTION DISC.%= 8	15 YEAR ANNUAL OPTION DISC.%= 7	15 YEAR ANNUAL OPTION DISC.%= 8
AITKIN	$217.44	$248.24	+	$6.94	$7.81	+	$30.00	$25.00	$167.56	$15.82	$17.07	$18.40	$19.58
ANOKA	N/A	N/A	N/A	$26.50	N/A	N/A	$45.00	$45.00	N/A	N/A	N/A	N/A	N/A
BECKER	$358.60	$388.20	+	$30.62	$25.42	-	$45.00	$43.56	$262.04	$24.73	$26.69	$28.77	$30.61
BELTRAMI	$203.25	$180.33	-	$10.33	$6.59	-	$30.00	$29.63	$121.72	$11.49	$12.40	$13.36	$14.22
BENTON	$496.13	$541.25	+	$24.41	$20.87	-	$45.00	$43.26	$365.34	$34.49	$37.21	$40.11	$42.68
BIG STONE	$547.58	$457.84	-	$45.46	$42.22	-	$55.00	$53.80	$309.04	$29.17	$31.48	$33.93	$36.11
BLUE EARTH	$965.26	$834.92	-	$85.58	$79.17	-	$85.00	$83.78	$563.57	$53.20	$57.40	$61.88	$65.84
BROWN	$1,158.04	$811.65	-	$81.24	$69.28	-	$85.00	N/A	$547.86	$51.71	$55.80	$60.15	$64.01
CARLTON	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CARVER	$952.80	$949.11	-	$61.08	N/A	N/A	$70.00	$63.00	$640.65	$60.47	$65.25	$70.34	$74.85
CASS	$177.77	$212.21	+	N/A	$8.06	+	$30.00	$29.17	$143.24	$13.52	$14.59	$15.73	$16.73
CHIPPEWA	$878.90	$607.05	-	$71.07	$63.24	-	$70.00	$68.96	$409.76	$38.68	$41.73	$44.99	$47.87
CHISAGO	$473.31	$710.26	+	$23.67	$23.80	+	$45.00	$44.11	$479.43	$45.25	$48.83	$52.64	$56.01
CLAY	$605.80	$569.65	-	$67.71	$44.70	-	$55.00	$50.96	$384.51	$36.30	$39.16	$42.22	$44.92
CLEARWATER	$210.57	$236.42	+	$16.84	$16.56	-	$30.00	$30.54	$159.58	$15.06	$16.25	$17.52	$18.64
COOK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
COTTONWOOD	$989.69	$704.14	-	$77.43	$72.60	-	$85.00	$75.00	$475.29	$44.86	$48.41	$52.18	$55.53
CROW WING	$230.47	$243.98	+	$13.55	$11.45	-	$30.00	$28.75	$164.69	$15.55	$16.77	$18.08	$19.24
DAKOTA	$735.43	$777.50	+	$56.43	N/A	N/A	$80.00	$77.70	$524.81	$49.54	$53.45	$57.62	$61.31
DODGE	$886.34	$630.23	-	$59.94	$59.28	-	$85.00	$81.94	$425.41	$40.16	$43.33	$46.71	$49.70
DOUGLAS	$451.43	$411.35	-	$30.85	$31.12	+	$50.00	$45.40	$277.66	$26.21	$28.28	$30.49	$32.44
FARIBAULT	$1,134.56	$851.72	-	$84.36	$78.06	-	$85.00	$83.62	$574.91	$54.27	$58.56	$63.12	$67.17
FILLMORE	$526.77	$424.33	-	$57.56	$60.56	+	$80.00	$77.16	$286.42	$27.04	$29.17	$31.45	$33.46
FREEBORN	$907.84	$603.72	-	$64.08	$69.73	+	$85.00	$81.40	$407.51	$38.47	$41.51	$44.74	$47.61
GOODHUE	$767.34	$645.90	-	$60.67	$59.62	-	$80.00	$75.26	$435.98	$41.15	$44.41	$47.87	$50.94
GRANT	N/A	N/A	N/A	$46.82	$44.31	-	$55.00	$54.50	N/A	N/A	N/A	N/A	N/A
HENNEPIN	N/A	N/A	N/A	N/A	N/A	N/A	$50.00	$47.10	N/A	N/A	N/A	N/A	N/A
HUBBARD	$217.63	$233.46	+	$9.13	$9.05	-	$30.00	$29.16	$157.59	$14.87	$16.05	$17.30	$18.41
ISANTI	$377.57	$555.04	+	$27.46	$25.17	-	$45.00	$43.53	$374.65	$35.36	$38.16	$41.13	$43.77
ITASCA	N/A	N/A	N/A	N/A	N/A	N/A	$30.00	$30.00	N/A	N/A	N/A	N/A	N/A
JACKSON	$1,016.74	$752.95	-	$83.24	$78.92	-	$85.00	$84.62	$508.24	$47.97	$51.77	$55.80	$59.38
KANABEC	$286.00	$381.34	+	$19.37	$15.16	-	$45.00	$39.71	$257.40	$24.30	$26.22	$28.26	$30.07
KANDIYOHI	$772.75	$600.16	-	$51.09	$55.35	+	$70.00	$61.11	$405.11	$38.24	$41.26	$44.48	$47.33
KITTSON	$387.99	$405.86	+	$30.58	$37.67	+	$44.00	$42.28	$273.96	$25.86	$27.90	$30.08	$32.01
KOOCHICHING	$129.55	$351.16	+	N/A	N/A	N/A	$30.00	$30.00	$237.03	$22.37	$24.14	$26.02	$27.69
LAC QUI PARLE	$663.02	$488.20	-	$50.13	$50.48	+	$70.00	$60.08	$329.54	$31.11	$33.56	$36.18	$38.50
LAKE	N/A	N/A	N/A	N/A	N/A	N/A	$30.00	$30.63	N/A	N/A	N/A	N/A	N/A
LAKE OF THE WOODS	$158.22	$176.39	+	$10.17	N/A	N/A	$30.00	N/A	$119.06	$11.24	$12.13	$13.07	$13.91
LESUEUR	$851.37	$759.33	-	$65.48	$67.71	+	$85.00	$83.02	$512.55	$48.38	$52.20	$56.27	$59.88
LINCOLN	$427.59	$360.40	-	$42.93	$43.50	+	$70.00	$60.35	$243.27	$22.96	$24.78	$26.71	$28.42
LYON	$641.19	$554.59	-	$61.88	$52.09	-	$70.00	$67.68	$374.35	$35.34	$38.13	$41.10	$43.73
MAHNOMEN	$374.69	$404.49	+	$36.50	$33.53	-	$45.00	$44.79	$273.03	$25.77	$27.81	$29.98	$31.90
MARSHALL-BELTRAMI	$404.69	$369.93	-	$35.37	$33.51	-	$44.00	$42.69	$249.70	$23.57	$25.43	$27.42	$29.17
MARSHALL	$404.69	$369.93	-	$35.37	$33.51	-	$44.00	$42.69	$249.70	$23.57	$25.43	$27.42	$29.17
MARTIN	$1,156.79	$870.88	-	$95.97	$80.01	-	$85.00	$84.83	$587.84	$55.49	$59.87	$64.54	$68.68
MCLEOD	$886.81	$635.25	-	$54.69	$50.79	-	$70.00	$65.06	$428.79	$40.48	$43.67	$47.08	$50.10
MEEKER	$794.57	$589.14	-	$45.36	$44.12	-	$70.00	$58.68	$397.67	$37.54	$40.50	$43.66	$46.46
MILLE LACS	$342.01	$426.64	+	$23.53	$25.89	+	$45.00	$45.00	$287.98	$27.18	$29.33	$31.62	$33.64

75% PERP LIMITED EASEMENT PAYMENT OPTIONS FOR 1989
REVISED 3/1/89

DISTRICT	EST MKT VAL / ACRE 1986	1988	# CHG	* CASH RENT /ACRE * 1986	1988	# CHG	* CRP PAYMT /ACRE * 1986	1988	* CO.AVG 88 * LTD. PMT.	20 YEAR ANNUAL OPTION DISC.%= 7	20 YEAR ANNUAL OPTION DISC.%= 8	15 YEAR ANNUAL OPTION DISC.%= 7	15 YEAR ANNUAL OPTION DISC.%= 8
MORRISON	$293.78	$390.04	+	* $22.02	$20.76	-	* $45.00	$43.19	* $263.28	$24.85	* $26.82	* $28.91	* $30.76
MOWER	$785.91	N/A	N/A	* $59.36	$62.21	+	* $85.00	$82.28	* N/A	N/A	* N/A	* N/A	* N/A
MURRAY	$706.20	$572.07	-	* $58.71	$62.69	+	* $70.00	$69.66	* $386.15	$36.45	* $39.33	* $42.40	* $45.11
NICOLLET	$1,047.27	$804.21	-	* $83.82	$68.68	-	* $85.00	$74.25	* $542.84	$51.24	* $55.29	* $59.60	* $63.42
NOBLES	$746.08	$602.55	-	* $72.29	$66.89	-	* $70.00	$70.31	* $406.72	$38.39	* $41.43	* $44.66	* $47.52
NORMAN	N/A	N/A	N/A	* $51.13	$41.96	-	* $55.00	$54.33	* N/A	N/A	* N/A	* N/A	* N/A
OLMSTED	$709.20	$526.62	-	* $56.73	$55.52	-	* $80.00	$78.29	* $355.47	$33.55	* $36.21	* $39.03	* $41.53
EAST OTTER TAIL	$338.63	$411.70	+	* $32.18	$29.39	-	* $45.00	$30.33	* $277.90	$26.23	* $28.30	* $30.51	* $32.47
WEST OTTER TAIL	$338.63	$411.70	+	* $32.18	$29.39	-	* $55.00	$36.48	* $277.90	$26.23	* $28.30	* $30.51	* $32.47
PENNINGTON	$321.93	$237.90	-	* $19.86	$25.26	+	* $44.00	N/A	* $160.58	$15.16	* $16.36	* $17.63	* $18.76
PINE	$232.25	$294.57	+	* $16.93	$14.13	-	* $30.00	$30.00	* $198.83	$18.77	* $20.25	* $21.83	* $23.23
PIPESTONE	$537.35	$432.82	-	* $49.05	$49.66	+	* $70.00	$65.92	* $292.15	$27.58	* $29.76	* $32.08	* $34.13
EAST POLK	$574.53	$532.38	-	* $46.03	$39.71	-	* $45.00	$43.76	* $359.36	$33.92	* $36.60	* $39.46	* $41.98
WEST POLK	$574.53	$532.38	-	* $46.03	$39.71	-	* $55.00	$52.77	* $359.36	$33.92	* $36.60	* $39.46	* $41.98
POPE	$477.57	$438.96	-	* $42.60	$37.18	-	* $50.00	$45.47	* $296.30	$27.97	* $30.18	* $32.53	* $34.62
RAMSEY	N/A	N/A	N/A	* N/A	N/A	N/A	* N/A	N/A	* N/A	N/A	* N/A	* N/A	* N/A
RED LAKE	$346.33	$255.86	-	* $29.74	$29.65	-	* $30.00	$40.28	* $172.71	$16.30	* $17.59	* $18.96	* $20.18
REDWOOD	$1,044.19	$745.04	-	* $87.07	$68.53	-	* $85.00	$82.41	* $502.90	$47.47	* $51.22	* $55.22	* $58.75
RENVILLE	$1,056.23	$730.28	-	* $87.09	$71.16	-	* $85.00	$80.06	* $492.94	$46.53	* $50.21	* $54.12	* $57.59
RICE	$804.33	$696.43	-	* $56.82	$56.16	-	* $85.00	$80.61	* $470.09	$44.37	* $47.88	* $51.61	* $54.92
ROCK	$720.28	$590.96	-	* $62.84	$61.87	-	* $70.00	$62.00	* $398.90	$37.65	* $40.63	* $43.80	* $46.60
ROOT RIVER	$446.10	$507.84	+	* $54.78	$68.43	+	* $80.00	$79.39	* $342.79	$32.36	* $34.91	* $37.64	* $40.05
ROSEAU	$249.17	$226.39	-	* $26.54	$26.22	-	* $44.00	$42.82	* $152.81	$14.42	* $15.56	* $16.78	* $17.85
NORTH ST. LOUIS	$142.53	$113.52	-	* $3.00	$5.00	+	* $30.00	$29.99	* $76.63	$7.23	* $7.80	* $8.41	* $8.95
SOUTH ST. LOUIS	$142.53	$113.52	-	* $3.00	$5.00	+	* $30.00	$27.50	* $76.63	$7.23	* $7.80	* $8.41	* $8.95
SCOTT	$1,039.35	$1,040.50	+	* $65.92	N/A	N/A	* $70.00	$67.27	* $702.34	$66.30	* $71.53	* $77.11	* $82.05
SHERBURNE	$408.50	$802.52	+	* $14.94	$18.61	+	* $45.00	$37.17	* $541.70	$51.13	* $55.17	* $59.48	* $63.29
SIBLEY	$970.15	$673.00	-	* $73.73	$63.13	-	* $85.00	$81.67	* $454.28	$42.88	* $46.27	* $49.88	* $53.07
STEARNS	$528.99	$468.87	-	* $32.41	$31.68	-	* $50.00	$48.40	* $316.49	$29.87	* $32.23	* $34.75	* $36.98
STEELE	$893.64	$642.53	-	* $62.40	$67.00	+	* $85.00	$83.26	* $433.71	$40.94	* $44.17	* $47.62	* $50.67
STEVENS	$721.14	$529.06	-	* $49.48	$47.16	-	* $55.00	$55.00	* $357.12	$33.71	* $36.37	* $39.21	* $41.72
SWIFT	$643.30	$477.45	-	* $49.90	$45.62	-	* $55.00	$51.71	* $322.28	$30.42	* $32.82	* $35.38	* $37.65
TODD	$317.72	$375.91	+	* $21.48	$19.74	-	* $45.00	$42.91	* $253.74	$23.95	* $25.84	* $27.86	* $29.64
TRAVERSE	$736.95	$492.93	-	* $44.64	$45.44	+	* $55.00	$52.90	* $332.73	$31.41	* $33.89	* $36.53	* $38.87
WABASHA	$635.31	N/A	N/A	* $58.60	$59.27	+	* $80.00	$78.14	* N/A	N/A	* N/A	* N/A	* N/A
WADENA	$207.49	$207.49	-	* $13.66	$15.54	+	* $30.00	$29.28	* $140.06	$13.22	* $14.26	* $15.38	* $16.36
WASECA	$1,025.54	N/A	N/A	* $82.85	$74.38	-	* $85.00	$82.58	* N/A	N/A	* N/A	* N/A	* N/A
WASHINGTON	N/A	N/A	N/A	* N/A	N/A	N/A	* $50.00	$50.00	* N/A	N/A	* N/A	* N/A	* N/A
WATONWAN	$1,036.04	$826.90	-	* $96.34	$79.21	-	* $85.00	$82.57	* $558.16	$52.69	* $56.85	* $61.28	* $65.21
WILKIN	$697.07	$598.14	-	* $44.71	$45.44	+	* $55.00	$53.49	* $403.74	$38.11	* $41.12	* $44.33	* $47.17
WINONA	$576.52	$578.09	+	* $55.54	$56.58	+	* $80.00	$79.60	* $390.21	$36.83	* $39.74	* $42.84	* $45.59
WRIGHT	$788.27	$448.09	-	* $47.77	$37.55	-	* $50.00	$46.80	* $302.46	$28.55	* $30.81	* $33.21	* $35.34
YELLOW MEDICINE	$737.31	$550.12	-	* $66.69	$60.37	-	* $70.00	$68.28	* $371.33	$35.05	* $37.82	* $40.77	* $43.38

United States Department of Agriculture

Soil Conservation Service

FCS BLDG., SUITE 600
375 JACKSON STREET
ST. PAUL, MN 55101

MAR 3 1989

SUBJECT: Pre Authorization Planning
PL-566

DATE: February 13, 1989

TO: Donald Ogaard, Chair
MN Water and Soil Resources Board
MN Department of Agriculture
165 South Wabasha, Suite 104
St. Paul, Minnesota 55107

FILE CODE: 390-11-11

Ten attached PL-566 watershed applications are no longer considered as valid. Current instructions in the Watershed Manual (Para. 502.25) states that "applications considered invalid or unfeasible that have been on file for more than ten years will be returned to the designated state agency."

The following is a list of projects that we are returning to you that are unfeasible using our present standards and are more than ten years old:

Angus-Oslo (Pennington, Polk, and Marshall Counties)
Sponsors Marshall County Soil and Water Conser. District
Pennington County Soil and Water Conser. District
West Polk Soil and Water Conservation District
Village Council of Oslo, Minnesota
Middle River-Snake River Watershed District
Size 194,496 acres
Approved by State Board: December 14, 1971
Placed in Priority Pool by State Board: August 31, 1976

Champepedan (Murray, Nobles, and Rock Counties)
Sponsors Murray Soil and Water Conservation District
Murray County Board of Commissioners
Nobles Soil and Water Conservation District
Nobles County Board of Commissioners
Rock Soil and Water Conservation District
Rock County Board of Commissioners
Size 51,800 acres
Approved by State Board: September 27, 1965

Heron Lake (Jackson and Cottonwood Counties)
Sponsors Jackson County Board of Commissioners
Cottonwood County Board of Commissioners
Jackson Soil and Water Conservation District
Walking Water Soil and Water Conservation District
Size 82,800 acres
Approved by State Board October 24, 1966

Jack Creek (Murray, Nobles, and Jackson Counties)
Sponsors Jackson County Board of Commissioners
Jackson Soil and Water Conservation District
Nobles County Board of Commissioners
Nobles Soil and Water Conservation District
Murray County Board of Commissioners
Murray Soil and Water Conservation District
Size 124,992 acres
Approved by State Board October 24, 1966

Melgaard-Swift Coulee (Marshall County)
Sponsors Marshall County Soil & Water Conservation District
Village Council of Alvarado, Minnesota
Middle River-Snake River Watershed District
Size 107,392 acres
Approved by State Board December 14, 1971
Placed in Priority Pool by State Board August 31, 1976

Middle River (Marshall County)
Sponsors Marshall County Soil & Water Conservation District
Village Council of Argyle, Minnesota
Middle River-Snake River Watershed District
Size 199,456 acres
Approved by State Board December 14, 1971
Placed in Priority Pool by State Board August 31, 1976

Okabena Creek (Jackson and Nobles Counties)
Sponsors Jackson Soil and Water Conservation District
Jackson County Board of Commissioners
Nobles Soil and Water Conservation District
Nobles County Board of Commissioners
Size 88,768 acres
Approved by State Board October 24, 1966

Three-Mile Creek (Lincoln and Lyon Counties)
Sponsors Lyon Soil and Water Conservation District
Lyon County Board of Commissioners
Lincoln Soil and Water Conservation District
Size 73,000 acres
Approved by State Board September 27, 1965

Upper Yellow Medicine (Lincoln, Lyon & Yellow Medicine Counties)
Sponsors Lincoln Soil and Water Conservation District
Lyon County Board of Commissioners
Yellow Med. Soil & Water Conservation District
Yellow Med. County Board of Commissioners
Size 157,824 acres
Approved by State Board November 21, 1967

West Branch of the Mustinka (Traverse and Big Stone Counties)
Sponsors Traverse Soil and Water Conservation District
Traverse County Board of Commissioners
Big Stone Soil & Water Conservation District
Big Stone County Board of Commissioners
Size 128,448 acres
Approved by State Board August 20, 1968

If you have any questions concerning these developments, please call Jon DeGroot, Assistant State Conservationist, at (612) 290-3677, or Nick Pearson, Water Resources Staff Leader, at (612) 290-3682.

GARY NORDSTROM
State Conservationist

cc: Jon DeGroot, Asst State Conservationist
Nick Pearson, Water Resources Staff Leader
Glen Kajewski, Area Conservationist, Thief River Falls
Robert Conklin, Area Conservationist, Fergus Falls
Thomas Fischer, Area Conservationist, Marshall
Ronald Hardesty, Area Conservationist, St. Peter
Gerald Krause, Area Conservationist, Rochester

Cooperative Agreement between

USDA Farmers Home Administration

USDA Soil Conservation Service

USDI Fish and Wildlife Service

and

Minnesota Board of Water and Soil Resources

DRAFT

PURPOSE

This Cooperative Agreement between Farmers Home Administration (FmHA), Soil Conservation Service (SCS), U.S. Fish and Wildlife Service (FWS) and the Minnesota Board of Water and Soil Resources (Board) is hereby entered for the promotion and facilitation of processing Conservation Easements that may be established as a means of restructuring debt by FmHA borrowers in Minnesota. Debt Restructure conservation easements are authorized by the Food Security Act of 1985, Section 1318, and the 1987 Farm Credit Act which provide for debt write-down in voluntary exchange for conservation easements on eligible land and where such write-down is necessary to establish a feasible plan for farm operation. Farmers Home Administration and FWS have an existing Memorandum of Understanding which sets forth consultation procedures on a national level.

The objective of this cooperative effort is to help assure that all interested parties, including the four agencies, state and local governments, non-profit organizations and private individuals are appropriately involved in promoting, preparing and managing these easements.

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SCOPE

Procedures for handling Farm Debt Restructure and Conservation Easements are contained in FmHA Instruction 1951-S, Exhibit H to Subpart S. It states that when a conservation easement is considered in a loan write-down, FmHA will establish an easement review team that will review a proposed easement and submit back to FmHA a report that will include:

1. Acreage and boundaries of the easement area.
2. A determination whether the land is suitable for conservation purposes.
3. The identification of a qualified enforcement authority.
4. The identification of special terms or conditions of the easement.
5. Offer a management plan.
6. Establish the term of the easement.

The following will be invited to participate on the easement review team in Minnesota: Farmers Home Administration; Soil Conservation Service; Fish and Wildlife Service; local Reinvest in Minnesota (RIM) Screening Committee; interested local units of government; and other parties expressing interest in the process.

The FmHA County Supervisor shall simultaneously notify FWS, SCS, the local RIM Screening Committee, and interested local units of government as conservation easement proposals are requested by FmHA borrowers. For easement areas containing

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highly erodible lands, the SCS District Conservationist will be assigned team leader; areas containing wetland, floodplain, or endangered species habitat will be assigned to the local FWS representative for team leadership. Easement areas containing important resources other than the above; such as karst topography, unique plant and/or animal communities, woodlands or timberlands in need of special protection, etc.; will be referred to the local RIM Screening Committee, or other appropriate local unit of government, which will recommend a team leader. In all cases, SCS shall submit to FmHA a letter of concurrence regarding the review team's proposal.

Other aspects of easement processing shall follow FmHA Instruction 1951-S, Exhibit H to Subpart S. In addition, FmHA shall provide the Board with the following information for each enrolled easement area: (1) an air photograph delineating the easement area; (2) a legal description of the easement area; (3) name(s) and address(es) of the landowner(s) of the easement area; and (4) the designated enforcement and management authorities for each easement area.

PERIOD OF PERFORMANCE

This agreement shall become effective upon signing and remain in effect until modified or revoked by agreement of all parties, or revoked by any party alone upon 30 days written notice. Modification to this document may be made by mutual agreement and such modifications will be in effect upon signature of the modified document.

State Director, Minnesota
Farmers Home Administration

Date

State Conservationist, Minnesota
Soil Conservation Service

Date

Regional Director
U.S. Fish & Wildlife Service

Date

Chairman
Minnesota Board of Water and Soil
Resources

Date



Isn't clean water worth one dollar a year per Ohioan?

Ohio's Soil and Water Conservation Districts

- provide assistance essential to keeping Ohio's land productive and water clean to landowners in every community
- are cost effective because they prevent erosion and expensive "off-site" damages
- reduce the cost of the remedial actions government is often expected to provide
- enable local communities to be involved in actions to keep their water clean.

Please join the Ohio Federation of Soil and Water Conservation Districts in its efforts to build the water quality protection programs all Ohioans want.

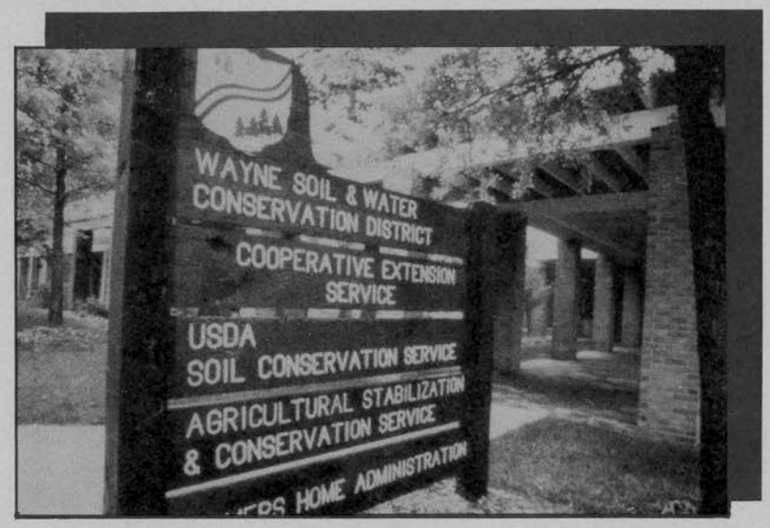
SWCD Program Needs for Agricultural and Urban Water Quality Protection Programs

1. Technical Assistance	$3,500,000
2. Cost Sharing Incentives	$5,000,000
3. SWCD Support	$2,000,000
TOTAL	$10,500,000

OHIO FEDERATION OF SOIL & WATER CONSERVATION DISTRICTS

soil & water conservation

Keeping ohio's land productive and water clean



The 88 soil and water conservation districts need your support to improve their water quality and land management assistance to Ohio's communities.



Technical-educational assistance for water quality programs

Surface and ground waters in Ohio are threatened by numerous nonpoint (land surface runoff) sources of pollution, including agricultural and urban. This diffuse pollution is much more difficult to deal with than the more recognizable pollution which comes out of a pipe. Landowners and community officials need information on ways to prevent this pollution and technical assistance for installing the most cost effective "best management practices." *

Action is needed on the majority of Ohio's 26 million acres. Ohio's 88 soil and water conservation districts are in place and well suited to provide this technical assistance, but requests far exceed their current staff's ability to provide timely response.

Solution: The 88 SWCDs have indicated the need for 140 additional technical and support staff to meet demands for water quality-related assistance.

Cost: 140 positions x $25,000=$3,500,000/yr.

*

Agricultural Erosion Control	Subdivision Storm Drainage
Animal Waste Management	Sludge Application
Agricultural Chemical Control	Septic System Siting
Construction Site Erosion	Oil & Gas Well Siting
Stream Channel Protection	Landfills
Prime Farmland Identification	Mined Land Reclamation
Conservation Reserve Program	Oil & Gas Site Complaints
Complaints/Site Investigations (Urban Runoff)	Woodland Erosion Control
	Flood Plain Determinations





Cost sharing with landowners for water quality protection

Most states, including Ohio, have decided that a strict, regulatory approach to nonpoint sources of water pollution is not appropriate. A mix of information/education, technical assistance, financial incentives and some regulation holds the most promise.

With financial incentives, government provides some cost sharing to solve pollution problems, while the landowner bears most of the cost. Currently in Ohio landowners are contributing 60% of the total cost of practices, the state 20% and the USDA 20%.

Ohio has provided funding since 1980, at an average of $100,000/yr., but our efforts are far less than in other states:

Wisconsin	$ 9,000,000	Maryland	$ 5,000,000
Missouri	7,960,000	Indiana	3,500,000
N. Carolina	6,765,000	Illinois	3,000,000
Iowa	6,539,972	Pennsylvania	2,166,830

Solution: SWCDs have indicated a need for reasonable funds to help landowners control agricultural sediment pollution and livestock waste pollution. There is also a need for funds for a demonstration program for urban pollution control.

Cost: Average of $56,818 x 88= $5,000,000/yr.

Many of the practices these programs fund are far more cost effective than other government funded water pollution control programs. The example below is graphic evidence.

COST EFFECTIVENESS COMPARISON

Waste holding pond for dairyherd of 96 head		Sewage plant Village, pop. 1608
$9,343	Total cost	$2,073,000
8160 lbs.	Manure	5017 lbs.
806 lbs.	Oxygen demand	502 lbs.
7 lbs	Total phosphorus	4 lbs.
36 lbs.	Total nitrogen	32 lbs.



Support costs to modernize SWCD operations

Soil and water conservation districts operate diverse programs of natural resource management throughout every county. Their average budget from county appropriations and State match totals less than $70,000 per year. All too often SWCDs have to forego needed vehicles, space, training and field and communication equipment just to keep the basic program going. Funds are needed for a variety of support costs, which will make SWCD operations more efficient and effective. Remember, to be effective in dealing with nonpoint pollution in the ag and urban areas, SWCDs must reach millions of Ohioans.

Solution: To implement effective programs SWCDs have identified a need for: tillage demonstration equipment, vehicles, computers and related surveying equipment, audio-visual equipment, water sampling equipment, office space and more.

Cost: Average of $22,727 x 88= 2,000,000/yr.

* If the $1.27 million included in the ODNR FY90 budget request for 1:1 State match is approved, much of this need could be met.

County Appropriations	$3,754,000
State match	$2,484,000
Needed for 1:1	$1,270,000



BOARD OF WATER AND SOIL RESOURCES
DEPARTMENT OF AGRICULTURE BUILDING
90 WEST PLATO BOULEVARD
CONFERENCE ROOM A
ST. PAUL, MINNESOTA 55107
MARCH 22, 1989

AGENDA

9:00 a.m.	1. Call to Order
	2. Adopt Agenda
	3. Approve Minutes of February 22, 1989
	4. Reports - Chairman - Don Ogaard - Executive Director - Jim Birkholz - EQB/Water Resource Committee - Loni Kemp
	5. Soil and Water Stewardship Education Proposal - Jim Birkholz - Board discussion and action
10:00 a.m.	6. SWCD FY90 Grants - Greg Larson - report of G-Team and discussion of grant options and priorities - consideration of emergency request for funding tree planting - allocation of remaining general services funds
	7. Southern Minnesota Rivers Basin Area II - Jim Birkholz - evaluation of local government consistency with Area II mission
	8. PL566 Watershed Program - Jim Birkholz - Board concurrence with invalid or unfeasible project applications more than 10 years old
	9. Advisors Remarks
Noon	Lunch
1:00 p.m.	10. RIM Reserve Program - Wayne Edgerton - payment rate options for next sign-up
	11. 110B Project Managers Report - Robert Finley, RCRCA - southwest Minnesota counties
	12. Legislative Update - Jim Birkholz - Board position on key legislation
	13. Board member concerns-comments-discussion
3:00 p.m.	Adjourn

MINUTES OF MARCH 22, 1989
OF THE
BOARD OF WATER AND SOIL RESOURCES

Appointed Members in Attendance

Donald Ogaard
John Williamson
John Boulton
Don Warner
Loni Kemp
Eugene Kalmes
John Brooks, Jr.
Howard Peterson
William Cofell
Jack Graba
Ken Schellack
James Hoese
Loren Harste
Doug Bade
Lowell Moen
Natalie Haas-Steffen

Others in Attendance

Paul Burns, Minnesota Department of Agriculture
Dwain Otte and Mary Peterson, Minnesota Association of Soil & Water Conservation Districts
Dr. Bill Larson, University of Minnesota/Extension Service
Judy Erickson, Erickson Associates
Al Dornfeld, Minnesota Association of Watershed Districts
Gary Nordstrom and Jon DeGroot, Soil Conservation Service
Dr. Valentine O'Malley, Minnesota Department of Health
Paul Kalass, Minnesota Association of Conservation District Employees
Franklin Denn, Minnesota Association of Townships
Bob Finley, RCRCA

Staff Present

Jim Birkholz
Wayne Edgerton
Greg Larson
Darrell Apelgrain
Denice DeFrates
Bruce Sandstrom
Steve Miller
Mary Jo Anderson

Meeting Called to Order - Chairman Ogaard called the meeting to order at 9:00 a.m. in Conference Room A of the Minnesota Department of Agriculture Building, 90 W. Plato Boulevard, St. Paul, Minnesota.

* 89-12 **Adopt Agenda** - Moved by Warner, seconded by Peterson, to adopt the agenda as presented. Affirmative: Ogaard, Williamson, Boulton, Warner, Kalmes, Bade, Schellack, Moen, Hoese, Brooks, Jr., Harste, Peterson, Graba, Kemp, and Cofell. Opposed: None. Carried.

Approval of Minutes of February 22, 1989 - Don Warner stated that a correction needs to be made on page two of his report. It should read: "Don Warner reported that he has been assisting in the establishment of environmental education at the local schools for two days during the school year." Doug Bade also stated that a correction needs to be made on page two regarding his report. It should read: "Doug Bade reported that one watershed management plan in Carver County is complete, the rest are in various stages of development".

* 89-13 Moved by Cofell, seconded by Graba, to approve the minutes of February 22, 1989, as corrected. Affirmative: Ogaard, Williamson, Boulton, Warner, Kalmes, Bade, Schellack, Moen, Hoese, Brooks, Jr., Harste, Peterson, Graba, Kemp, and Cofell. Opposed: None. Carried.

Chairman's Report - Chairman Ogaard commended the staff on their capabilities on working on the Big Water Bill meetings being held statewide. Chairman Ogaard reported that he attended two of the sessions in the north, which had very good attendance. Chairman Ogaard stated that Senator Dahl introduced a bill to establish a task force on water management in the metro area. Chairman Ogaard reported that he and staff have spent much time working with the Coon Creek Watershed District.

Natalie Haas-Steffen entered the meeting at 9:15 a.m.

Chairman Ogaard reported that the Circuit Court of Appeals had ruled on the actions taken by the Dispute Resolution Committee which were appealed by the Coon Creek Watershed District. Two of the disputed points were upheld. The $50,000 assessment in question was allowed to stand. Chairman Ogaard mentioned the Water Day at the Capitol which will be held on March 29 at the Holiday Inn-Capitol. He's anticipating a large number in attendance. Chairman Ogaard asked members and advisors to turn in their attendance sheets for the May meeting and tour, so final arrangements can be made. Chairman Ogaard distributed copies of the Lower Red River Water Management Board and the Wild Rice Watershed District annual reports for the Board's information.

John Williamson reported that Board members who are also SWCD supervisors were invited to attend the MASWCD Board of Directors' meeting yesterday to discuss items of concern. John reported that two issues were the main concern: 1) Board services to SWCDs; and 2) MASWCD communication with BWSR. John reported that the MASWCD felt that the SWCDs were not getting as much attention since the new Board came into existence. Part of that problem may have been due to the major staff shortages, which have now been resolved. The need to improve communication was also discussed. John stated that the President of the MASWCD is an advisor of the BWSR and everyone is welcome to attend the Board meetings. John explained that he is available and willing to discuss concerns anyone may have. He also explained that both the MASWCD and BWSR roles have been changing, which may cause a "fear of the unknown." John reported that the meeting was a very positive experience and he hoped that the MASWCD did realize that we are all out there working on the same concern natural resources.

Chairman Ogaard reported that the new BWSR brochure is available, members were asked to take some with them. He also asked board members to get agenda items to him and/or the Board office before the next meeting.

Natalie Haas-Steffen reported that the city in which she lives has adopted a "Keep America Beautiful" program. At her suggestion a local group adopted the Rum River, and are planning to clean up 24 miles of the river and doing stabilization planting. Natalie thanked the Board for inviting Dorothy Waltz to make a presentation to the Board on the Rivers Clean up project. This is where Natalie initially became aware of the project.

Executive Director's Report - Jim Birkholz introduced Bruce Sandstrom, the Board's new Metropolitan Water Planning Hydrologist.

Jim Birkholz thanked Denice DeFrates for doing a tremendous job on the new Board brochure. He asked board members to take copies of the brochure with them today. Jim reported that Marlene Johnson, Lieutenant Governor, will be the keynote speaker at the luncheon on March 29, "Water Day". Jim reported on the Coon Creek Watershed District evaluation. This was done as a prototype to assist the watershed district. A letter will be sent to the Coon Creek Watershed District listing overall recommendations. Jim stated that the Grand Rapids Big Water Bill meeting will be held tomorrow, and in Brooklyn Center on March 31. Lieutenant Governor Johnson will be on the program on the 31st. Jim reported that there has been an excellent turn-out at the previous six meetings. Jim recognized the staff's outstanding efforts in working on organizing these meetings statewide. He also thanked the agencies for their efforts assisting with the meetings.

EQB/Water Resources Committee Report - Loni Kemp reported that the Water Resources Committee met on March 2. They gave high praise to the "Billboard". She reported that the Water Resources Committee approved the PCA's Nonpoint Source Groundwater Protection Strategy, they felt it was an excellent educational piece. Three issues were discussed at the Water Resources Committee meeting: 1) Health Risk Limits - setting standards; 2) What's the role of the University of Minnesota on groundwater initiatives; and 3) Limit on Farmer Liability on Pesticides and Fertilizers. Loni reported that she spent four days in Washington with the Minnesota Project and visiting with the Minnesota Congressional Delegation on the Farm Bill. Loni asked for time on the next agenda to discuss water quality, low impact farming, and sustainable farming. Jim Birkholz reported that Dick Ness, Board Representative, attended a session in Omaha, Nebraska on sustainable agriculture. Jim suggested that Loni, Dick Ness, and Rick Gauger from the Department of Agriculture, report on this at the April meeting.

John Brooks, Jr., would like the Board to support the University of Minnesota programs, more funding is needed.

Natalie Haas-Steffen expressed her discouragement with MPCA on the disposal of barrels. Her county would like to dispose of 20 barrels, but need to get a number from MPCA first, and MPCA will not give their number out. Natalie explained that this just forces people to dispose of their barrels illegally.

Soil and Water Stewardship Education Proposal - Jim Birkholz reported on the joint proposal developed with Dr. Edgar Persons, Head, Agricultural Education Division, University of Minnesota, for a K-12 soil and water stewardship curricula. The

following is a minimum listing of agencies/networks concerned with this project: Minnesota Environmental Education Board, Minnesota Department of Education, Minnesota Board of Water and Soil Resources, Agricultural Education Division - U of M, Minnesota Extension Service, Department of Natural Resources, Pollution Control Agency, Deparment of Health, Department of Agriculture - Ag In The Classroom, and the Minnesota Association of Soil and Water Conservation Districts. Through this proposal, the BWSR and U of M would attempt to accomplish the following objectives: 1) Locate and determine the availability of material suitable for instruction in soil and water stewardship, both rural and urban, from Minnesota and other states; 2) Establish a collection of soil and water stewardship materials suitable for instruction or reference for instruction for students in elementary and secondary schools; 3) Organize and index the materials on soil and water stewardship established in the collection with an annotated bibliography; 4) Using selected references from the collection, establish curriculum units that could be integrated into studies at the elementary and secondary level in such areas of study as social studies, natural sciences, physical and chemical sciences, mathematics, agriculture, natural resources, biology, geology, etc. The goal will be to provide easy-to-use resource units without the necessity of familiarity with a wide variety of references; and 5) Within the limits of the funds distribute the units of instruction to educational agencies and leaders and establish a plan for widespread dissemination of the products by the stakeholders. Natalie Haas-Steffen suggested including counties and park authorities. Ken Schellack stated that this is a good school curricula, and it is the right approach. John Williamson suggested to consider broadening the scope to churches, involving pastors and lay people. Loren Harste stated that he has been involved in the RDC, and schools are interested in getting involved in this type of material, the time is right for this. He stated that his son is an Ag teacher and had 15 students initially, and this year 45 students signed up for the class. The interest is there so materials should be made

* available. Moved by Bade, seconded by Warner, to authorize staff to proceed on
89-14 the Soil and Water Stewardship: Education for Youth proposal. Affirmative: Ogaard, Williamson, Boulton, Warner, Kalmes, Bade, Schellack, Moen, Hoese, Haas-Steffen, Brooks, Jr., Harste, Peterson, Graba, Kemp, and Cofell. Opposed: None. Carried.

SWCD FY90 Grants - Greg Larson distributed an overview of the FY90 grant allocation procedures for the Board's information (see attached). In view of the few applications received to date, it was suggested to extend the special project and

* SLR application deadline from April 1st. Moved by Warner, seconded by Bade, to
89-15 extend the project application deadline for 15 days - this year only. Affirmative: Ogaard, Williamson, Boulton, Warner, Kalmes, Bade, Schellack, Moen, Hoese, Haas-Steffen, Brooks, Jr., Harste, Peterson, Graba, Kemp, and Cofell. Opposed: None. Carried. Staff suggested using the pool of general services money from the SWCD manager program to fund SWCD specialists such as foresters, soil scientists or hydrologists. Several board members commented that SWCDs would benefit more from regional SWCD specialists as opposed to 3 - 4 positions located in individual districts. Natalie Haas-Steffen suggested that the Department of Finance be contacted to determine what is needed to make disbursement of general services

* more flexible in terms of assisting SWCDs. Moved by Haas-Steffen, seconded by
89-16 Peterson, that the Board endorse what's been presented and direct staff to develop criteria for selecting SWCDs, discuss the concept with SWCDs, and the Department of Finance. Affirmative: Ogaard, Williamson, Boulton, Warner, Kalmes, Bade, Schellack, Moen, Hoese, Haas-Steffen, Brooks, Jr., Harste, Peterson, Graba, Kemp, and Cofell. Opposed: None. Carried.

Greg Larson explained that several Red River Valley SWCDs have requested a special allocation of "roll-over" funds for field windbreaks. All Red River Valley SWCDs were contacted. Other SWCDs did not need additional funds - even though tree demand was high - because of sufficient ASCS or state cost-share program funds. The following SWCDs are recommended to receive funding: Traverse - $7,000; Roseau - $6,000; and Kittson - $7,000. This would leave a balance of $160,000+ for the June special project allocations. Moved by Schellack, seconded by Warner, to approve
* 89-17 the special roll-over funding for tree planting allocation in the Red River Valley. Natalie Haas-Steffen suggested amending the previous motion by granting Anoka SWCD $1000 for Rum River erosion projects. Birkholz clarified that funds would not be available for local encumbering until May 1 so that urgent projects may not qualify because they must be started too soon. Moved by Haas-Steffen, seconded
* 89-18 by Cofell, to amend the previous motion to include $1,000 to Anoka County Rum River, if starting date criteria is met. Affirmative: Williamson, Boulton, Bade, Moen, Haas-Steffen, Peterson, and Cofell. Opposed: Warner, Bade, Schellack, Brooks, Jr., Harste, Peterson, Graba, and Kemp. Amendment Defeated. Action on the previous motion to approve the roll-over funding on the tree planting allocation in the Red River Valley. Affirmative: Ogaard, Williamson, Boulton, Warner, Kalmes, Bade, Schellack, Moen, Hoese, Haas-Steffen, Brooks, Jr., Harste, Peterson, Graba, Kemp, and Cofell. Opposed: None. Carried.

Greg Larson explained that $23,536 of General Services Grants was available for disbursement to SWCDs. Staff proposed that SWCDs (36) with "Accountant" bookkeeping software receive about $655. This will partially defray the cost of consultant services incurred by those SWCDs who have had the software long enough to use it.
* Moved by Brooks, Jr., seconded by Cofell, to approve the disbursement of remaining
89-19 general services funds to 36 SWCDs to receive $655. Affirmative: Ogaard, Williamson, Boulton, Kalmes, Bade, Schellack, Moen, Hoese, Brooks, Jr., Harste, Peterson, Graba, Kemp, and Cofell. Opposed: Warner and Haas-Steffen. Carried.

P.L. 566 Watershed Program - Gary Nordstrom, Soil Conservation Service, explained that there are ten PL-566 watershed applications that are no longer considered as valid. Current instructions in the Watershed Manual states that applications considered invalid or unfeasible that have been on file for more than ten years will be returned to the designated state agency. Following are the ten projects that SCS is returning to the Board because they are unfeasible using SCS present standards and are more than ten years old: Angus-Oslo (Pennington, Polk, and Marshall Counties); Champepedan (Murray, Nobles, and Rock Counties); Heron Lake (Jackson and Cottonwood Counties); Jack Creek (Murray, Nobles, and Jackson Counties); Melgaard-Swift Coulee (Marshall County); Middle River (Marshall County); Okabena Creek (Jackson and Nobles Counties); Three-Mile Creek (Lincoln and Lyon Counties); Upper Yellow Medicine (Lincoln, Lyon, and Yellow Medicine Counties); and West Branch of the Mustinka (Traverse and Big Stone Counties).

Jon DeGroot distributed the USDA, SCS publication "Water Resources Projects Status Report, October 1988", for the Board's information. Mr. DeGroot explained that the criteria for PL566 projects has changed from the time these applications were initiated from eight to twenty-four years ago. SCS is recommending to the Board
* to return these projects to their original sponsors. Moved by Cofell, seconded
89-20 by Bade, to return the P.L.566 watershed applications to the original sponsors. Affirmative: Ogaard, Williamson, Boulton, Warner, Kalmes, Bade, Schellack, Moen, Hoese, Haas-Steffen, Brooks, Jr., Harste, Peterson, Graba, Kemp, and Cofell. Opposed: None. Carried.

110B Project Managers Report - Robert Finley, project manager for the Redwood-Cottonwood Rivers Control Area (RCRCA) joint powers water planning group reported that of the seven counties, six of them are working on water management plans. The Joint Powers Board was established in 1983. The board is made up of county commissioners from each county and supervisors from the soil and water conservation districts. There is a local water planning committee in each county. A strong point has been work done with SWCDs. It has been difficult to involve the public. Mr. Finley stated that careful thought needs to be given to the use of the comprehensive water planning hydrologist position. He commented that Chris Hughes has excellent capabilities. Chairman Ogaard thanked Mr. Finley for coming before the Board today.

Advisors' Comments - Gary Nordstrom, Soil Conservation Service, reported that Duane Johnson has left Minnesota staff and is now the Wisconsin State Conservationist. District Conservationist vacancies exist in Olivia, Gaylord, Morris, and Foley. Gary reported that SCS is establishing a formal joint agreement on water quality with the Minnesota Extension Service. A pesticide workshop with the University of Minnesota, is being planned for July. SCS is holding a P.L. 566 workshop in Oklahoma City in May.

Mary Peterson, MASWCD, reported that the MASWCD and some BWSR members had a good meeting yesterday. She invited all members to attend the MASWCD Board of Directors' meeting. Mary Peterson and Dwain Otte will be attending the Water Day event at the Holiday Inn on March 29. Dwain Otte and Danny Potter will be going to Washington to meet with the Minnesota Congressional Delegation. The MASWCD annual convention will be held in Rochester in December, with the keynote speaker being Bob Wetherbee.

Franklin Denn, Minnesota Association of Townships (MAT), reported that MAT is conducting fifteen short-courses around the state. Solid waste and water planning will be among the agenda items.

Al Dornfeld, Minnesota Association of Watershed Districts, reported that the summer tour will be held in the northwest at Detroit Lakes, the last week in June. More information will be available in the Newsletter.

Paul Kalass, Minnesota Association of Conservation District Employees, stated that he will be attending Water Day at the Capitol. Another representative of the MACDE will be attending the Board meeting in the next few months.

Dr. Bill Larson, University of Minnesota/Extension Service, reported that Jim Anderson had leg surgery and will be working out of his home. He was happy to report that Nils Hasselmo has been appointed as President of the University of Minnesota. He reported that the University has been trying to raise money for an endowmed soil and water chair position. Currently, half of their goal has been met. He was also happy to announce that the Gopher basketball team is in the final 16!

RIM Reserve Program - Wayne Edgerton distributed the RIM Reserve payment rate options for 1989 for the Board's review. Discussion followed. Staff is looking for direction from the Board on this. It was recommended to study a potential change of the percentage that is used to calculate the limited easement payment rate - this will be made as part of the staff's recommendation. Continue to use the 1986 payment rates as a base and increase rates only in townships where EMV's have

increased; this will be made as part of the staff's recommendation. Staff will again contact the U of M Economics staff about the discount rate used to calculate the payments - will be made as part of the staff's recommendations. Annual payment option for limited easements was discussed. Board would rather work on a payment rate. Annual payments would require additonal staff position which is not in the Governor's recommendation. Staff will work with others to come up with the best scenerio on this and report back to the Board prior to next sign-up. Steve Miller explained to the Board the limited easement payment options for 1989. More effort needs to be put into education of landowners concerning lump sum payment values.

Southern Minnesota Rivers Basin Area II - Jim Birkholz distributed a resolution
* for the Board's review. Discussion followed. Moved by Boulton, seconded by Harste,
89-21 to approve the following Study Area II Resolution.

WHEREAS, the Minnesota River Basin Study Area II Board of Directors, hereinafter referred to as Study Area II, is accomplishing its flood control mission by building structures throughout southwestern Minnesota; and

WHEREAS, Study Area II is providing technical and financial assistance to landowners in upstream watersheds in South Dakota; and

WHEREAS, innovative techniques such as Anderson Lake restoration, wetland restoration, and redesigned road crossings which store floodwaters need more widespread publicity.

WHEREAS, THEREFORE, BE IT RESOLVED, that the Board of Water and Soil Resources enter into an agreement with Study Area II to assist local units of government in developing procedures so that new technology and innovative techniques are used to retain runoff and protect wetlands particularly as drainage activities are contemplated.

Affirmative: Ogaard, Williamson, Boulton, Warner, Kalmes, Bade, Moen, Brooks, Jr., Harste, Peterson, Graba, Kemp, and Cofell. Opposed: None. Carried.

Bill Cofell suggested developing a handbook to guide drainage activities in an environmentally sensitive manner.

Legislative Update - Jim Birkholz referred to the information in the Board members packets and briefed the Board on the following legislation: 1) Comprehensive Water Legislation, SF262, HF534; 2) Reinvest In Minnesota Program, SF895, HF960; 3) Wetlands Protection, SF905, HF31; 4) Recodification of Water Law, SF60, HF771; 5) Special Levy for Soil and Water Conservation Districts, SF708, HF818; 6) Abandoned Well Sealing Cost-Share Programs, SF202, SF630, HF89, HF231, HF490, HF913; 7) Vermillion River Watershed Management Organization, HF755/1053, SF758; 8) Drought Relief Legislation, HF433, SF452; 9) Drought Relief - Farm Well Replacement, HF878, SF1000; and 10) Drought Assistance - Replanting Trees on CRP Lands, HF911, SF947.

* Moved by Kalmes, seconded by Cofell, to approve the staff's recommended legislative
89-22 position on #1-6, and #10 and take no position on #7-9. Affirmative: Ogaard, Williamson, Warner, Kalmes, Bade, Moen, Brooks, Jr., Harste, Peterson, and Cofell. Opposed: None. Carried.

Bill Cofell requested time on the April agenda to discuss feedlot problems and discrepencies between SWCDs/SCS/MPCA. He has writing a paper on this and would like to discuss it with the Board.

Gene Kalmes reported that the dates of the September meeting and tour in southeast Minnesota have been changed to September 26 and 27.

* 89-23 Moved by Warner, seconded by Bade, to adjourn the meeting at 3:50 p.m. Affirmative: Ogaard, Williamson, Warner, Kalmes, Bade, Moen, Harste, Peterson, and Cofell. Opposed: None. Carried.

Respectfully submitted,

Donald Ogaard
Chairman

Attachment

BOARD OF WATER AND SOIL RESOURCES
FY 90 GRANT ALLOCATION PROCEDURES

NOTE: Allocation amounts are pending passage of the BWSR 90-91 budget. The "grants to SWCDs" portion of the budget was recommended by the Governor for no increase. If the adopted version is different, changes will be made accordingly.

1. General Services Grant ($696,150): This is a general purpose grant to SWCDs.

2. TED Grant ($152,300): This grant provides funds to SWCDs for technical assistance, educational activities, and conservation tillage demonstrations.

3. Water Permits Grant ($12,400): This grant provides funds to SWCDs for reviewing DNR water permit applications.

The Governor's 90-91 budget recommends the combination of the above grants ($860,850). A consolidated grant would provide each SWCD with $9,460 computed on the basis of an equal allocation to 91 SWCDs.

4. SWCD Manager ($12,200): District managers are full-time positions who function as day-to-day managers of SWCD activities. Managers are employed by SWCD supervisors and implement their policy in cooperation with the Soil Conservation Service and other agencies. These positions also serve as technicians. As District programs become more complex, managers are an essential position. Traverse and Kanabec SWCDs are seeking third-year funding for their managers. Traverse would receive $6,000 (25%) and Kanabec $6,200 (25%) funding. Previous year funding was at 67 and 50 percent levels, respectively. We recommend that BWSR provide no additional funding for these two positions beyond FY 90.

5. SWCD Specialists ($75,000): This proposal is the next generation of BWSR incentives designed to enhance the ability of SWCDs to meet changing resource conditions and needs of their clientele. The initial effort began in 1986 when the State Board committed $87,200 from the General Services Grant to fund managers in Mahnomen, Mille Lacs, N. St. Louis, and Wadena Districts. That program was successful. Based on that success, current SWCD interest, and observations of BWSR staff, four specialist positions are proposed for FY 90.

   These positions, to be hired by SWCD Supervisors and located in SWCD offices, could include:

   - SWCD Manager
   - Forester
   - Soil Scientist
   - Water Quality Specialist
   - Hydrogeologist

A two-year funding arrangement is proposed with BWSR providing 67% the first year and 50% the second year.

Applications would be sought from SWCDs. Staff will prepare criteria for selecting SWCDs and would work with participating districts to ensure a successful effort.

6. Cost-Share Program ($1,541,400): Grant funds to SWCDs are used to provide financial assistance to land occupiers for the installation of erosion and sediment control and water quality practices. Allocations are based upon a formula which considers the resource treatment needs within each SWCD.

7. Special Projects (Approximately $200,000): This program is funded with Cost-Share Program funds returned between January 1 and June 30, and if necessary, ten percent of he cost-share program allocation. The grant is intended to provide funding for large or complex projects which are beyond the usual funding capabilities of a SWCD. All project applications are reviewed and prioritized by a committee of Board staff. Factors considered in the review process include: 1) the degree of public benefit resulting from the project; 2) the degree of erosion, sedimentation or water quality problems on the site; and 3) the expediency of practice completion.

8. SLR Program ($158,700): Grant funds to SWCDs are used to provide 50% funding to local units of government for controlling streambank, lakeshore, or roadside erosion problems. Project applications are submitted by SWCDs and reviewed by Board Representatives to determine eligibility. Eligible applications are then reviewed and prioritized by a committee of Board staff. The following criteria are considered in the review process: 1) the degree of public benefit resulting from the project; 2) the extent of on-site and off-site erosion damage; 3) availability of federal matching funds; 4) the ability of the local unit of government to finance the installation and maintenance of the project; and 5) whether the problem causing area is publicly owned.

EXPLANATION OF THE 1988 RIM ADMINISTRATIVE SERVICE GRANTS

This new allocation formula for RIM Administrative Service Grants has been created to more equitably reflect the level of participation and workload in the RIM Program by the various SWCDs. The method is a weighted average system that uses both the number and type of RIM easements obtained by a District. The system uses the most recent sign-up period, the finalized easements from the preceding two years, the number of easements finalized from preceding years, plus a minimum base maintenance payment for keeping RIM materials current. This formula should provide a more stable source of funding from year to year to assist districts in funding administrative costs. Since the program is only three years old the full system will not be operational until next year's payments are calculated.

The weighted average is calculated using a series of values for the four different types of easements multiplied by the number of easements to form an Index Value. The values used in this calculation are 1.0 for a limited easement, 1.5 for a perpetual marginal ag land easement, 1.75 for a living snowfence easement, and 2.0 for a wetland restoration easement for the preceding two years. These values are cut in half for the current sign-up year. Half values are used for the current sign-up to reflect the sign-ups that may be canceled before becoming finalized easements.

The Base Payment is $300 for all SWCDs except those nine SWCDs that participated in the Living Snowfence pilot program which received a base of $600 and the SWCDs that are under agreement matching RIM funds with SCS funds.

Starting next year each easement older than three years (1986 easements) will carry a maintenance value of $100 added to the Base Payment amount. These older easements will no longer be a part of the Index calculation for the payment.

Title: Soil & Water Stewardship: Education for Youth

Submitted to:

Patricia Becker, Administrative Assistant
Joint Legislative Committee on Agricultural
Land Preservation and Soil and Water Conservation
Room 6-24, State Capitol
St. Paul, MN 55155

Submitted by:

Jim Birkholz, Executive Director
On Behalf of The
Minnesota Board of Water & Soil Resources
Southbridge Office Bldg.
155 South Wabasha, Suite 104
St. Paul, MN 55107
(612) 296-0879

With Proposed Subcontract To

Agricultural Education Division
Vocational and Technical Education Dept.
1954 Buford Ave.
St. Paul, MN 55108
Subcontractor

Principal Investigators:

Jim Birkholz, Executive Director
Minnesota Board of Water & Soil Resources

Edgar Persons, Head
Agricultural Education Division
University of Minnesota

Signature _____

For the Minnesota Board of Water & Soil Resources

Signature _____

For the University of Minnesota

Dated _____, 1989

Background

When Minnesota was first settled, only the choicest lands were used for cultivation. Stands of timber, steeper grassy slopes and wetlands were left virtually undisturbed. But this delicate balance between man and the environment was soon altered. First came the timber cutters to capitalize on the almost unbelievable stands of majestic pines and hardwoods, unaware that in nature's scheme of things, once removed the pines would not be naturally replaced. It followed that the now barren timber lands offered opportunity for clearing and cultivating. Immigrants by the thousands sought to lay a claim to a piece of Minnesota. They were an ambitious lot - clearing, draining and plowing until only the most formidable of forests and slopes slowed their progress.

Many were gentle companions with nature, recognizing the necessity to preserve the land they had so carefully wrestled from its natural state. But they were also often without knowledge or skill of the best ways to conserve their land and water. Yet they were aided in protection of the environment by the farming systems of crops and livestock which usually required that some of the land be protected by pasture or hay.

But times have changed. Farming systems have changed. Changing economic conditions and demands for farm produce have altered the balance between man and his/her natural resources. What was originally of primary concern only to farmers has become a concern of all. Society expects land to be conserved - it expects water to be clean and healthful.

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scientific and common sense principles of soil and water stewardship.

Objectives of This Proposal.

It would be a grievous error to assume that no individual nor any agency had shown concern for soil and water stewardship. Many have. There are in fact numerous agencies both within and outside of government that have devoted a portion of their working agenda to the development and dissemination of educational materials related to soil and water stewardship. Some agencies, such as the Lac Qui Parle Soil and Water Conservation District have made an extraordinary effort to synthesize the various learning materials on soil and water stewardship into a curriculum guide that can be used in the elementary school. Likewise, the excellent resource published by the Minnesota Environmental Education Board "Protecting Agricultural Land" Minnesota's Ag-Stravaganza, Grades K-6 and the companion piece for grades 7-9 has grown out of concern for soil stewardship. The Minnesota Extension Service has distributed a compendium of materials to all county agents just within the past month that contains publications directly related to the issues of clean water. These materials, developed for a variety of audiences and focused on different water quality issues are again evidence that agencies have been addressing the soil and water stewardship issue. Some of the materials have been tied with teachers through organized in-service education, but the vast majority have not.

The problem which prompted the passage of the legislation, Minnesota law 1988, Chapter 688, Article 21, section 17 is that in spite of the good work of interested groups throughout the state, the materials on land and water stewardship have not

When the State of Minnesota was first settled, it was not difficult to see the role that almost everyone played in land and water protection; almost all were directly dependent on the land for livelihood. Because the population was so small, the building of roads, construction of towns, and the use of waterways to discharge sewage was, by comparison with today, of lesser consequence. Today the notion of land and water conservation is not a first hand experience for the vast majority of the population. Only approximately 90,000 farmers and their families still maintain the intimate relationship with the land and the water that flows upon it and from it. Yet stewardship is everybody's business.

There needs to be a general understanding among all Minnesota dwellers, both rural and urban, of the principles and practices of maintaining our natural resources. This understanding must be within the boundaries of scientific and common sense that will allow agriculture to utilize land and water in its most profitable non-degrading way. But there needs to be an understanding of urban responsibilities as well; the wise use of home fertilizers and pesticides to prevent water contamination, the protection of construction sites when the soil surface has been laid bare, the appropriate disposal of garbage and sewage, the careful disposal of industrial waste - these are all part of the general concern for conservation of soil and protection of water resources.

Conservation starts with understanding the problems, the participants and the alternative strategies or courses of action. Understanding is brought about by education where learning and knowing can be guided and directed. The Minnesota Legislature has recognized the role of education by providing opportunity for materials to be developed and disseminated that will further knowledge and understanding of the

Method to Be Used

Search for Materials:

The search for materials will begin by a review of the resource guides already in existence. Primary examples of such guides are "Resource Guide to Educational Materials About Agriculture in the Classroom" (USDA, 198x), "Minnesota Guide to Educational Resources about Agriculture" (MDA, 1988) "A Listing of Resource Materials for Agriculture" (U of M, 1980). These guides contain references about all facets of agriculture. Material will have to be selected that addresses soil and water stewardship and is relevant to instruction in the elementary or secondary school system.

Beyond the published resource guides, queries will be made of all of the public and private organizations who may have available material that would be suitable for support of the soil and water stewardship theme. It is important to recognize that soil and water stewardship is not just a rural concern. Concern for soil and water stewardships has been widespread in the more urbanized areas in the Eastern United States. Agencies in these areas will be probed for the availability of suitable materials that can be used directly or adopted for use in Minnesota. Both public and private sources will be explored. An inquiry form similar to that developed by agricultural education for compilation of the "Minnesota Guide to Educational Resources about Agriculture" (MDA 1988) will be used to further inquire about material availability. The system of inquiry developed by the Division of Agricultural Education was very effective in locating the materials published in the Minnesota guide.

The Lumina system of the University of Minnesota libraries will also be utilized to uncover resources related to the theme and catalogued in the library system. An

been aggregated or organized in a way that has encouraged consistent use in elementary and secondary classrooms. The broad purpose of this project is to provide the coordination needed to facilitate adaptation of sound materials and develop a dissemination technique that will foster adoption by school leaders.

Given the background of soil and water stewardship and the efforts of agencies to produce relevant materials, this project will attempt to accomplish the following objective.

1. Locate and determine the availability of material suitable for instruction in soil & water stewardship, both rural and urban, from Minnesota and other states.
2. Establish a collection of soil and water stewardship materials suitable for instruction or reference for instruction for students in elementary and secondary schools.
3. Organize and index the materials on soil and water stewardship established in the collection with an annotated bibliography.
4. Using selected references from the collection, establish curriculum units that could be integrated into studies at the elementary and secondary level in such areas of study as social studies, natural sciences, physical and chemical sciences, mathematics, agriculture, natural resources, biology, geology, etc. The goal will be to provide easy-to-use resource units without the necessity of familiarity with a wide variety of references.
5. Within the limits of the funds distribute the units of instruction to educational agencies and leaders and establish a plan for widespread dissemination of the products by the stakeholders.

Conservation Districts will be enlisted to identify teachers interested in participating, since they have active representation in both rural and urban communities.

The education advisory group will have 4 tasks with which they will be charged.

1. Review the materials that have been identified as relevant to their grade levels and/or subject discipline.
2. Establish the discipline concepts and the subject content into which the concepts should be integrated.
3. Review the completed resource units for appropriateness, clarity and content.
4. Advise on the most effective procedures for dissemination of the completed materials to Minnesota schools and integration into school classrooms.

It is anticipated that the education advisory members will each spend a total of 5 days working with the project.

Following the identification of concepts and the subjects in which the concepts should be integrated, the project staff will identify units of instruction in soil and water stewardship that can be used in each grade level and/or discipline area.
When the instructional units have been identified and prepared using the format prescribed by the teacher advisory panel, the teacher advisory panel will review the units and make the necessary editing suggestions.

The products will then be prepared, ready for duplication and distribution.

The advisory committee will recommend a procedure for dissemination and in-service instruction of potential users in the school system.

extensive review will also be made of the relevant references of the University colleges at Waseca and Crookston.

Establishing a Collection

Once materials are identified they will be collected from the producer or publisher. As each item is received, personnel will review the materials, annotate its content, classify it according to the estimated grade level and determine the general subject discipline in which such an item might be integrated as a reference. This information will be computerized to allow for later sorting, cross referencing and instructional unit preparation.

The collection will be housed in the University of Minnesota's Division of Agricultural Education, a unit of the College of Education, and an affiliate unit of the College of Agriculture. When the project is complete the advisory boards will recommend the most logical location of the collection and a way to keep it continually updated.

Preparing Instructional Materials.

The first step in preparing instructional units will be the assembly of an advisory committee of 12 master teachers, representing grade levels and subject disciplines for which material may be developed for integration. Since roughly half of the population in Minnesota is in the Metropolitan region and half in Greater Minnesota, the advisory committee will also represent urban and rural interests and points of view. Six teachers will be selected to represent the elementary grades 1-6 and six teachers to represent the subject disciplines in grades 7-12 with representation from different grade levels. The assistance of the Minnesota Association of Soil and Water

for implementation of such efforts.

4. Develop a product dissemination plan whereby each stakeholder with an educational mission can outline a plan for disseminating the product of the project. It is anticipated that the Environmental Education Committee will be convened three times during the course of this project to address the objectives outlined.

Expected Products

There will be a number of products expected to evolve from this project. They are:

1. An annotated bibliography of materials that support education in the theme areas of soil and water stewardship. The bibliography would be available both in hardcopy and on computer disk for those who wish to be able to update the file periodically on their own.

2. A series of teaching units of instruction built around a limited number of references so that a teacher might be expected to have such references available for student use. The objective of the units would be to integrate the concepts into the content of existing subject matter so that the study of and the subsequent learning of concepts would be an integral part of general education rather than an add-on activity that could more easily be ignored. Classroom, laboratory and community activity would all be part of the units of instruction.

Stakeholder Review Board

Minnesota is fortunate in that it already has an established board that represents the "official" stakeholders in a soil and water stewardship program. A special committee of the Environmental Quality Board, The Environmental Education Committee, is largely made up of the individuals and agencies who would be considered to have a stake in an educational plan for soil and water stewardship. This board will be asked to serve in an advisory capacity to this project. They are in the best position to facilitate the development or modification of materials from their respective agencies if the work of the teacher advisory committee identifies some areas of special concern. But they are also in a good position to advise on the necessity to organize materials for the dissemination of information for non-school audiences.

In this project, the Environmental Education Committee of the Environmental Quality Board will be asked to perform at least four important advisory functions.

1. Assist in the identification of probable sources of information for the data base of available resources both from within and outside their own organizations.
2. Assist in the development, if necessary, of materials of instruction or resource reference units if it is determined that such units are necessary to complete the package of materials for use in the various school settings.
3. Identify other non-school audiences to which future coordinated efforts at soil and water stewardship should be directed and assist in the planning

disseminated.

An important element in the eventual dissemination plan will be the existence of twelve teacher advocates who will have been instrumental in reviewing and selecting materials for inclusion in the final product. These advocates, coupled with the diverse network of agencies responsible for dissemination should hasten the adoption of the concepts and ideas about soil and water stewardship into the various curriculums of the schools.

While the list of agencies/networks concerned with dissemination may not be complete, it includes at minimum the following agencies or groups:

Minnesota Environmental Education Board

Minnesota Department of Education

Minnesota Board of Water & Soil Resources

Agricultural Education Division, U of M

Minnesota Extension Service

Department of Natural Resources

Pollution Control Agency

The Department of Health

Department of Agriculture: Ag In The Classroom

Minnesota Association of Soil and Water Conservation Districts

It is this list of agencies that will be depended upon to advise on the most appropriate dissemination activities for their own and other related groups.

3. A reference collection of soil and water stewardship materials, indexed and catalogued, and upon the advice of the Educational Advisory Committee and the Environmental Education Committee, deposited where it could be updated and available to teachers and others.

Dissemination Plan

A well developed set of dissemination agencies/networks already exists. Each has established a working relationship with a specific clientele group that may represent end users of the product of this soil and water stewardship project. Each of the networks or agencies has concentrated primarily on the delivery of a product or products they have developed or adapted for their own audience. It is the intent of this project to capitalize on the relationships that each agency or network has developed. The difference, however, lies in the dissemination of a common product to the diverse user groups.

This project will prepare approximately 650 copies of material for distribution to potential users. It is anticipated that the product will incorporate materials from almost all of the agencies/networks that have a stake in soil and water stewardship education. As part of the project activity the Stakeholder Review Board will work out a mutually agreeable dissemination plan that they can incorporate in their respective dissemination activities. It is likely that additional resources will have to be made available for each agency to complete their dissemination plan, but the "seed" activity, the development of a product and the development of a distribution plan will already have been completed. Any request for additonal resources to aid in the dissemination will not have to deal with the uncertainty of what the product is or how it will be

AgEd portions of the budget. The co-investigators will meet within the first month of the project to outline a detailed task list that will differentiate duties and will establish a time line for the completion of each event.

A formal internal evaluation will be done at midterm of the project to determine if the project is performing as anticipated and to make whatever corrections are necessary to meet the obligations of the project to the funding agency. The midterm evaluation-progress report will be delivered to the funding agency.

Each agency will file a brief quarterly progress report with the co-investigators to attest to progress, problems and adjustments needed. Each agency will be responsible for keeping their own internal financial records which will become part of the quarterly report mechanism.

Proposed Budget:

It is agreed among the joint proposers that the Minnesota Board of Water and Soil Resources will act as the main fiscal agent and the prime contractor to receive the funds and account to the funding agency and that the Division of Agricultural Education, University of Minnesota, will be the subcontractor to the Minnesota Board of Water and Soil Resources to perform certain specific tasks. It is understood that because of the source of the funds that no overhead charges will accrue to either the contracting or sub-contracting agency.

A master dissemination plan will be part of the final report to the funding agency.

Institutional Capabilities

This project combines in a unique way the talents of two complimentary agencies: The Agricultural Education Division of the University of Minnesota that has a demonstrated capability in curriculum organization and design and the Minnesota Board of Soil and Water Resources that has a major role in the technical aspects of soil and water stewardship. The Division of Agricultural Education utilizes knowledge of soil and water stewardship practices in curriculum design for educators in agriculture for both youth and adults, while the Minnesota Board of Water and Soil Resources utilizes its wealth of technical skill in these areas to direct a modest educational effort and foster technical assistance to users. The two agencies are a good match of skills and competencies.

Duration of Project:

It is proposed that the project begin on or about July 1, 1989 and close on June 30, 1990.

Project Management

This is a joint project between the University of Minnesota, Division of Agricultural Education, and the Minnesota Board of Water and Soil Resources. The management of the project will be shared between Jim Birkholz, Executive Director of the Minnesota Board of Water and Soil Resources and Edgar Persons, Head, Division of Agricultural Education, University of Minnesota. They will each be responsible for managing the activities for their respective agencies as identified in the MBWSR and

*Product printing & assemble for distribution to schools & other interested agencies	13100	13100	
	80,000	27,392	52,608

*It is estimated that the "package" once developed will cost approximately $20.00 to assemble, wrap and distribute. Because of the severe limitations in this budget, only 650 copies can be produced. The emphasis is on producing a quality product with only moderate direct distribution, assuming that an excellent product will need special attention for thorough distribution and in-service education of potential users. (See dissemination plan)

Proposed Budget: July 1, 1989 - June 30, 1990

Salaries	Total	MBWSR	AgEd Sub-Contract
Co-Investigators	12000	6000	6000
Grad.Student Assistants(.75)(FTE)	19766	-	19766
Clerical Asst.(5 mos)	6000	2400	3600
Fringe Benefits:			
29% Co-Investigators	3480	1740	1740
2.5% Grad.Asst's.	494	-	494
23% Clerical	1380	552	828
Supplies:			
Gen. Office	1200	400	800
Communication	1200	300	900
Advisory Meeting Stakeholders -Meals, & facilities 20 @ 3 meet.	1800	1800	-0-
Teacher Advisory 12 @ 5 days @ 60 per diem	3600	-	3600
Travel for Teacher & Staff Advisory 3 round trips trips @ 300 miles max	3100	800	2300
Consultant Fee-Teachers 12 @ 100/day @ 5	6000	-	6000
Acquisition of Materials for Library & Review	4500	-	4500
Final Report - Preparation	1600	300	1300
Data Base Computer Prog.	400	-	400
Computer Supplies	380	-	380

United States Department of Agriculture
Soil Conservation Service
FCS BLDG., SUITE 600
375 JACKSON STREET
ST. PAUL, MN 55101

3

SUBJECT: Pre Authorization Planning
PL-566

DATE: February 13, 1989

TO: Donald Ogaard, Chair
MN Water and Soil Resources Board
MN Department of Agriculture
165 South Wabasha, Suite 104
St. Paul, Minnesota 55107

FILE CODE: 390-11-11

Ten attached PL-566 watershed applications are no longer considered as valid. Current instructions in the Watershed Manual (Para. 502.25) states that "applications considered invalid or unfeasible that have been on file for more than ten years will be returned to the designated state agency."

The following is a list of projects that we are returning to you that are unfeasible using our present standards and are more than ten years old:

Angus-Oslo (Pennington, Polk, and Marshall Counties)
Sponsors Marshall County Soil and Water Conser. District
Pennington County Soil and Water Conser. District
West Polk Soil and Water Conservation District
Village Council of Oslo, Minnesota
Middle River-Snake River Watershed District
Size 194,496 acres
Approved by State Board: December 14, 1971
Placed in Priority Pool by State Board: August 31, 1976

Champepedan (Murray, Nobles, and Rock Counties)
Sponsors Murray Soil and Water Conservation District
Murray County Board of Commissioners
Nobles Soil and Water Conservation District
Nobles County Board of Commissioners
Rock Soil and Water Conservation District
Rock County Board of Commissioners
Size 51,800 acres
Approved by State Board: September 27, 1965

Heron Lake (Jackson and Cottonwood Counties)
Sponsors Jackson County Board of Commissioners
Cottonwood County Board of Commissioners
Jackson Soil and Water Conservation District
Walking Water Soil and Water Conservation District
Size 82,800 acres
Approved by State Board October 24, 1966

Jack Creek (Murray, Nobles, and Jackson Counties)
Sponsors Jackson County Board of Commissioners
Jackson Soil and Water Conservation District
Nobles County Board of Commissioners
Nobles Soil and Water Conservation District
Murray County Board of Commissioners
Murray Soil and Water Conservation District
Size 124,992 acres
Approved by State Board October 24, 1966

Melgaard-Swift Coulee (Marshall County)
Sponsors Marshall County Soil & Water Conservation District
Village Council of Alvarado, Minnesota
Middle River-Snake River Watershed District
Size 107,392 acres
Approved by State Board December 14, 1971
Placed in Priority Pool by State Board August 31, 1976

Middle River (Marshall County)
Sponsors Marshall County Soil & Water Conservation District
Village Council of Argyle, Minnesota
Middle River-Snake River Watershed District
Size 199,456 acres
Approved by State Board December 14, 1971
Placed in Priority Pool by State Board August 31, 1976

Okabena Creek (Jackson and Nobles Counties)
Sponsors Jackson Soil and Water Conservation District
Jackson County Board of Commissioners
Nobles Soil and Water Conservation District
Nobles County Board of Commissioners
Size 88,768 acres
Approved by State Board October 24, 1966

Three-Mile Creek (Lincoln and Lyon Counties)
Sponsors Lyon Soil and Water Conservation District
Lyon County Board of Commissioners
Lincoln Soil and Water Conservation District
Size 73,000 acres
Approved by State Board September 27, 1965

Upper Yellow Medicine (Lincoln, Lyon & Yellow Medicine Counties)
Sponsors Lincoln Soil and Water Conservation District
Lyon County Board of Commissioners
Yellow Med. Soil & Water Conservation District
Yellow Med. County Board of Commissioners
Size 157,824 acres
Approved by State Board November 21, 1967

West Branch of the Mustinka (Traverse and Big Stone Counties)
Sponsors Traverse Soil and Water Conservation District
Traverse County Board of Commissioners
Big Stone Soil & Water Conservation District
Big Stone County Board of Commissioners
Size 128,448 acres
Approved by State Board August 20, 1968

If you have any questions concerning these developments, please call Jon DeGroot, Assistant State Conservationist, at (612) 290-3677, or Nick Pearson, Water Resources Staff Leader, at (612) 290-3682.

GARY NORDSTROM
State Conservationist

cc: Jon DeGroot, Asst State Conservationist
Nick Pearson, Water Resources Staff Leader
Glen Kajewski, Area Conservationist, Thief River Falls
Robert Conklin, Area Conservationist, Fergus Falls
Thomas Fischer, Area Conservationist, Marshall
Ronald Hardesty, Area Conservationist, St. Peter
Gerald Krause, Area Conservationist, Rochester

REVIEW OF RIM RESERVE PAYMENT RATE OPTIONS FOR 1989

This review and analysis has been undertaken to determine what options might be available to modify (increase) the current RIM payment rates in response to criticism being directed at the program. The primary criticisms of the RIM Reserve program are that the current payment rates are too low and the 20 year length of the limited easement is too long. In addition to comments to the SWCD's, landowners are making their feelings known to their legislators and some legislators are indicating that something has to be done to make the program more appealing to the landowners in their district.

Currently, payment rates are derived from the 1986 average Estimated Market Value (EMV) of the agricultural land in each township in the state as supplied by the Revenue Department. The formulas for the current payment rates are based on the average township EMV as follows:

Perpetual easement payments = 90% of EMV

Limited easement payments = 65% of the Perpetual rate

The lower limited payment rate is designed to encourage perpetual easements. Both of these proportions are established by the RIM rules.

After reviewing the 1988 data from the Revenue Department and considerable discussion the following possible changes have been identified for further analysis:

1. Change the percentage that is used to calculate the limited easement payment rate;

2. Continue to use the 1986 payment rates as a base and increase rates only in townships where EMV 's have increased;

3. Modify the length of the limited easement from 20 years to 15 years (requires legislation);

4. Change the discount rate used in the calculations to reflect the higher interest rates of today;

5. Develop an annual payment option for limited easements.

65% PERP LIMITED EASEMENT PAYMENT OPTIONS FOR 1989
REVISED 3/1/89

DISTRICT	EST MKT VAL / ACRE 1986	1988	/ CHG	* CASH RENT /ACRE * 1986	1988	/ CHG	* CRP PAYMT /ACRE * 1986	1988	* CO.AVG 88 LTD. PMT.	20 YEAR ANNUAL OPTION DISC.%= 7	20 YEAR ANNUAL OPTION DISC.%= 8	15 YEAR ANNUAL OPTION DISC.%= 7	15 YEAR ANNUAL OPTION DISC.%= 8
AITKIN	$217.44	$248.24	+	* $6.94	$7.81	+	* $30.00	$25.00	* $145.22	$13.71	* $14.79	* $15.94	* $16.97
ANOKA	N/A	N/A	N/A	* $26.50	N/A	N/A	* $45.00	$45.00	* N/A	N/A	* N/A	* N/A	* N/A
BECKER	$358.60	$388.20	+	* $30.62	$25.42	-	* $45.00	$43.56	* $227.10	$21.44	* $23.13	* $24.93	* $26.53
BELTRAMI	$203.25	$180.33	-	* $10.33	$6.59	-	* $30.00	$29.63	* $105.49	$9.96	* $10.74	* $11.58	* $12.32
BENTON	$496.13	$541.25	+	* $24.41	$20.87	-	* $45.00	$43.26	* $316.63	$29.89	* $32.25	* $34.76	* $36.99
BIG STONE	$547.58	$457.84	-	* $45.46	$42.22	-	* $55.00	$53.80	* $267.84	$25.28	* $27.28	* $29.41	* $31.29
BLUE EARTH	$965.26	$834.92	-	* $85.58	$79.17	-	* $85.00	$83.78	* $488.43	$46.10	* $49.75	* $53.63	* $57.06
BROWN	$1,158.04	$811.65	-	* $81.24	$69.28	-	* $85.00	N/A	* $474.82	$44.82	* $48.36	* $52.13	* $55.47
CARLTON	N/A	N/A	N/A	* N/A	N/A	N/A	* N/A	N/A	* N/A	N/A	* N/A	* N/A	* N/A
CARVER	$952.80	$949.11	-	* $61.08	N/A	N/A	* $70.00	$63.00	* $555.23	$52.41	* $56.55	* $60.96	* $64.87
CASS	$177.77	$212.21	+	* N/A	$8.06	+	* $30.00	$29.17	* $124.14	$11.72	* $12.64	* $13.63	* $14.50
CHIPPEWA	$878.90	$607.05	-	* $71.07	$63.24	-	* $70.00	$68.96	* $355.12	$33.52	* $36.17	* $38.99	* $41.49
CHISAGO	$473.31	$710.26	+	* $23.67	$23.80	+	* $45.00	$44.11	* $415.50	$39.22	* $42.32	* $45.62	* $48.54
CLAY	$605.80	$569.65	-	* $67.71	$44.70	-	* $55.00	$50.96	* $333.25	$31.46	* $33.94	* $36.59	* $38.93
CLEARWATER	$210.57	$236.42	+	* $16.84	$16.56	-	* $30.00	$30.54	* $138.31	$13.06	* $14.09	* $15.19	* $16.16
COOK	N/A	N/A	N/A	* N/A	N/A	N/A	* N/A	N/A	* N/A	N/A	* N/A	* N/A	* N/A
COTTONWOOD	$989.69	$704.14	-	* $77.43	$72.60	-	* $85.00	$75.00	* $411.92	$38.88	* $41.96	* $45.23	* $48.12
CROW WING	$230.47	$243.98	+	* $13.55	$11.45	-	* $30.00	$28.75	* $142.73	$13.47	* $14.54	* $15.67	* $16.67
DAKOTA	$735.43	$777.50	+	* $56.43	N/A	N/A	* $80.00	$77.70	* $454.84	$42.93	* $46.33	* $49.94	* $53.14
DODGE	$886.34	$630.23	-	* $59.94	$59.28	-	* $85.00	$81.94	* $368.68	$34.80	* $37.55	* $40.48	* $43.07
DOUGLAS	$451.43	$411.35	-	* $30.85	$31.12	+	* $50.00	$45.40	* $240.64	$22.71	* $24.51	* $26.42	* $28.11
FARIBAULT	$1,134.56	$851.72	-	* $84.36	$78.06	-	* $85.00	$83.62	* $498.26	$47.03	* $50.75	* $54.71	* $58.21
FILLMORE	$526.77	$424.33	-	* $57.56	$60.56	+	* $80.00	$77.16	* $248.23	$23.43	* $25.28	* $27.25	* $29.00
FREEBORN	$907.84	$603.72	-	* $64.08	$69.73	+	* $85.00	$81.40	* $353.18	$33.34	* $35.97	* $38.78	* $41.26
GOODHUE	$767.34	$645.90	-	* $60.67	$59.62	-	* $80.00	$75.26	* $377.85	$35.67	* $38.49	* $41.49	* $44.14
GRANT	N/A	N/A	N/A	* $46.82	$44.31	-	* $55.00	$54.50	* N/A	N/A	* N/A	* N/A	* N/A
HENNEPIN	N/A	N/A	N/A	* N/A	N/A	N/A	* $50.00	$47.10	* N/A	N/A	* N/A	* N/A	* N/A
HUBBARD	$217.63	$233.46	+	* $9.13	$9.05	-	* $30.00	$29.16	* $136.57	$12.89	* $13.91	* $15.00	* $15.96
ISANTI	$377.57	$555.04	+	* $27.46	$25.17	-	* $45.00	$43.53	* $324.70	$30.65	* $33.07	* $35.65	* $37.93
ITASCA	N/A	N/A	N/A	* N/A	N/A	N/A	* $30.00	$30.00	* N/A	N/A	* N/A	* N/A	* N/A
JACKSON	$1,016.74	$752.95	-	* $83.24	$78.92	-	* $85.00	$84.62	* $440.48	$41.58	* $44.86	* $48.36	* $51.46
KANABEC	$286.00	$381.34	+	* $19.37	$15.16	-	* $45.00	$39.71	* $223.08	$21.06	* $22.72	* $24.49	* $26.06
KANDIYOHI	$772.75	$600.16	-	* $51.09	$55.35	+	* $70.00	$61.11	* $351.09	$33.14	* $35.76	* $38.55	* $41.02
KITTSON	$387.99	$405.86	+	* $30.58	$37.67	+	* $44.00	$42.28	* $237.43	$22.41	* $24.18	* $26.07	* $27.74
KOOCHICHING	$129.55	$351.16	+	* N/A	N/A	N/A	* $30.00	$30.00	* $205.43	$19.39	* $20.92	* $22.55	* $24.00
LAC QUI PARLE	$663.02	$488.20	-	* $50.13	$50.48	+	* $70.00	$60.08	* $285.60	$26.96	* $29.09	* $31.36	* $33.37
LAKE	N/A	N/A	N/A	* N/A	N/A	N/A	* $30.00	$30.63	* N/A	N/A	* N/A	* N/A	* N/A
LAKE OF THE WOODS	$158.22	$176.39	+	* $10.17	N/A	N/A	* $30.00	N/A	* $103.19	$9.74	* $10.51	* $11.33	* $12.06
LESUEUR	$851.37	$759.33	-	* $65.48	$67.71	+	* $85.00	$83.02	* $444.21	$41.93	* $45.24	* $48.77	* $51.90
LINCOLN	$427.59	$360.40	-	* $42.93	$43.50	+	* $70.00	$60.35	* $210.83	$19.90	* $21.47	* $23.15	* $24.63
LYON	$641.19	$554.59	-	* $61.88	$52.09	-	* $70.00	$67.68	* $324.44	$30.62	* $33.04	* $35.62	* $37.90
MAHNOMEN	$374.69	$404.49	+	* $36.50	$33.53	-	* $45.00	$44.79	* $236.63	$22.34	* $24.10	* $25.98	* $27.64
MARSHALL-BELTRAMI	$404.69	$369.93	-	* $35.37	$33.51	-	* $44.00	$42.69	* $216.41	$20.43	* $22.04	* $23.76	* $25.28
MARSHALL	$404.69	$369.93	-	* $35.37	$33.51	-	* $44.00	$42.69	* $216.41	$20.43	* $22.04	* $23.76	* $25.28
MARTIN	$1,156.79	$870.88	-	* $95.97	$80.01	-	* $85.00	$84.83	* $509.46	$48.09	* $51.89	* $55.94	* $59.52
MCLEOD	$886.81	$635.25	-	* $54.69	$50.79	-	* $70.00	$65.06	* $371.62	$35.08	* $37.85	* $40.80	* $43.42
MEEKER	$794.57	$589.14	-	* $45.36	$44.12	-	* $70.00	$58.68	* $344.65	$32.53	* $35.10	* $37.84	* $40.26
MILLE LACS	$342.01	$426.64	+	* $23.53	$25.89	+	* $45.00	$45.00	* $249.58	$23.56	* $25.42	* $27.40	* $29.16

65% PERP LIMITED EASEMENT PAYMENT OPTIONS FOR 1989
REVISED 3/1/89

DISTRICT	EST MKT VAL / ACRE 1986	EST MKT VAL / ACRE 1988	CHG	CASH RENT /ACRE 1986	CASH RENT /ACRE 1988	CHG	CRP PAYMT /ACRE 1986	CRP PAYMT /ACRE 1988	CO.AVG 88 LTD. PMT.	20 YEAR ANNUAL OPTION DISC.%= 7	20 YEAR ANNUAL OPTION DISC.%= 8	15 YEAR ANNUAL OPTION DISC.%= 7	15 YEAR ANNUAL OPTION DISC.%= 8
MORRISON	$293.78	$390.04	+	$22.02	$20.76	-	$45.00	$43.19	$228.17	$21.54	$23.24	$25.05	$26.66
MOWER	$785.91	N/A	N/A	$59.36	$62.21	+	$85.00	$82.28	N/A	N/A	N/A	N/A	N/A
MURRAY	$706.20	$572.07	-	$58.71	$62.69	+	$70.00	$69.66	$334.66	$31.59	$34.09	$36.74	$39.10
NICOLLET	$1,047.27	$804.21	-	$83.82	$68.68	-	$85.00	$74.25	$470.46	$44.41	$47.92	$51.65	$54.96
NOBLES	$746.08	$602.55	-	$72.29	$66.89	-	$70.00	$70.31	$352.49	$33.27	$35.90	$38.70	$41.18
NORMAN	N/A	N/A	N/A	$51.13	$41.96	-	$55.00	$54.33	N/A	N/A	N/A	N/A	N/A
OLMSTED	$709.20	$526.62	-	$56.73	$55.52	-	$80.00	$78.29	$308.07	$29.08	$31.38	$33.82	$35.99
EAST OTTER TAIL	$338.63	$411.70	+	$32.18	$29.39	-	$45.00	$30.33	$240.84	$22.73	$24.53	$26.44	$28.14
WEST OTTER TAIL	$338.63	$411.70	+	$32.18	$29.39	-	$55.00	$36.48	$240.84	$22.73	$24.53	$26.44	$28.14
PENNINGTON	$321.93	$237.90	-	$19.86	$25.26	+	$44.00	N/A	$139.17	$13.14	$14.17	$15.28	$16.26
PINE	$232.25	$294.57	+	$16.93	$14.13	-	$30.00	$30.00	$172.32	$16.27	$17.55	$18.92	$20.13
PIPESTONE	$537.35	$432.82	-	$49.05	$49.66	+	$70.00	$65.92	$253.20	$23.90	$25.79	$27.80	$29.58
EAST POLK	$574.53	$532.38	-	$46.03	$39.71	-	$45.00	$43.76	$311.44	$29.40	$31.72	$34.19	$36.39
WEST POLK	$574.53	$532.38	-	$46.03	$39.71	-	$55.00	$52.77	$311.44	$29.40	$31.72	$34.19	$36.39
POPE	$477.57	$438.96	-	$42.60	$37.18	-	$50.00	$45.47	$256.79	$24.24	$26.15	$28.19	$30.00
RAMSEY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
RED LAKE	$346.33	$255.86	-	$29.74	$29.65	-	$30.00	$40.28	$149.68	$14.13	$15.25	$16.43	$17.49
REDWOOD	$1,044.19	$745.04	-	$87.07	$68.53	-	$85.00	$82.41	$435.85	$41.14	$44.39	$47.85	$50.92
RENVILLE	$1,056.23	$730.28	-	$87.09	$71.16	-	$85.00	$80.06	$427.21	$40.33	$43.51	$46.91	$49.91
RICE	$804.33	$696.43	-	$56.82	$56.16	-	$85.00	$80.61	$407.41	$38.46	$41.50	$44.73	$47.60
ROCK	$720.28	$590.96	-	$62.84	$61.87	-	$70.00	$62.00	$345.71	$32.63	$35.21	$37.96	$40.39
ROOT RIVER	$446.10	$507.84	+	$54.78	$68.43	+	$80.00	$79.39	$297.09	$28.04	$30.26	$32.62	$34.71
ROSEAU	$249.17	$226.39	-	$26.54	$26.22	-	$44.00	$42.82	$132.44	$12.50	$13.49	$14.54	$15.47
NORTH ST. LOUIS	$142.53	$113.52	-	$3.00	$5.00	+	$30.00	$29.99	$66.41	$6.27	$6.76	$7.29	$7.76
SOUTH ST. LOUIS	$142.53	$113.52	-	$3.00	$5.00	+	$30.00	$27.50	$66.41	$6.27	$6.76	$7.29	$7.76
SCOTT	$1,039.35	$1,040.50	+	$65.92	N/A	N/A	$70.00	$67.27	$608.69	$57.46	$62.00	$66.83	$71.11
SHERBURNE	$408.50	$802.52	+	$14.94	$18.61	+	$45.00	$37.17	$469.47	$44.32	$47.82	$51.55	$54.85
SIBLEY	$970.15	$673.00	-	$73.73	$63.13	-	$85.00	$81.67	$393.71	$37.16	$40.10	$43.23	$46.00
STEARNS	$528.99	$468.87	-	$32.41	$31.68	-	$50.00	$48.40	$274.29	$25.89	$27.94	$30.12	$32.05
STEELE	$893.64	$642.53	-	$62.40	$67.00	+	$85.00	$83.26	$375.88	$35.48	$38.28	$41.27	$43.91
STEVENS	$721.14	$529.06	-	$49.48	$47.16	-	$55.00	$55.00	$309.50	$29.21	$31.52	$33.98	$36.16
SWIFT	$643.30	$477.45	-	$49.90	$45.62	-	$55.00	$51.71	$279.31	$26.36	$28.45	$30.67	$32.63
TODD	$317.72	$375.91	+	$21.48	$19.74	-	$45.00	$42.91	$219.91	$20.76	$22.40	$24.14	$25.69
TRAVERSE	$736.95	$492.93	-	$44.64	$45.44	+	$55.00	$52.90	$288.36	$27.22	$29.37	$31.66	$33.69
WABASHA	$635.31	N/A	N/A	$58.60	$59.27	+	$80.00	$78.14	N/A	N/A	N/A	N/A	N/A
WADENA	$207.49	$207.49	-	$13.66	$15.54	+	$30.00	$29.28	$121.38	$11.46	$12.36	$13.33	$14.18
WASECA	$1,025.54	N/A	N/A	$82.85	$74.38	-	$85.00	$82.58	N/A	N/A	N/A	N/A	N/A
WASHINGTON	N/A	N/A	N/A	N/A	N/A	N/A	$50.00	$50.00	N/A	N/A	N/A	N/A	N/A
WATONWAN	$1,036.04	$826.90	-	$96.34	$79.21	-	$85.00	$82.57	$483.74	$45.66	$49.27	$53.11	$56.51
WILKIN	$697.07	$598.14	-	$44.71	$45.44	+	$55.00	$53.49	$349.91	$33.03	$35.64	$38.42	$40.88
WINONA	$576.52	$578.09	+	$55.54	$56.58	+	$80.00	$79.60	$338.18	$31.92	$34.44	$37.13	$39.51
WRIGHT	$788.27	$448.09	-	$47.77	$37.55	-	$50.00	$46.80	$262.13	$24.74	$26.70	$28.78	$30.62
YELLOW MEDICINE	$737.31	$550.12	-	$66.69	$60.37	-	$70.00	$68.28	$321.82	$30.38	$32.78	$35.33	$37.60

70% PERP LIMITED EASEMENT PAYMENT OPTIONS FOR 1989
REVISED 3/1/89

DISTRICT	EST MKT VAL / ACRE 1986	1988	/ CHG	CASH RENT /ACRE 1986	1988	/ CHG	CRP PAYMT /ACRE 1986	1988	CO.AVG 88 LTD. PMT.	20 YEAR ANNUAL OPTION DISC.%= 7	20 YEAR ANNUAL OPTION DISC.%= 8	15 YEAR ANNUAL OPTION DISC.%= 7	15 YEAR ANNUAL OPTION DISC.%= 8
AITKIN	$217.44	$248.24	+	$6.94	$7.81	+	$30.00	$25.00	$156.39	$14.76	$15.93	$17.17	$18.27
ANOKA	N/A	N/A	N/A	$26.50	N/A	N/A	$45.00	$45.00	N/A	N/A	N/A	N/A	N/A
BECKER	$358.60	$388.20	+	$30.62	$25.42	-	$45.00	$43.56	$244.57	$23.09	$24.91	$26.85	$28.57
BELTRAMI	$203.25	$180.33	-	$10.33	$6.59	-	$30.00	$29.63	$113.61	$10.72	$11.57	$12.47	$13.27
BENTON	$496.13	$541.25	+	$24.41	$20.87	-	$45.00	$43.26	$340.99	$32.19	$34.73	$37.44	$39.84
BIG STONE	$547.58	$457.84	-	$45.46	$42.22	-	$55.00	$53.80	$288.44	$27.23	$29.38	$31.67	$33.70
BLUE EARTH	$965.26	$834.92	-	$85.58	$79.17	-	$85.00	$83.78	$526.00	$49.65	$53.57	$57.75	$61.45
BROWN	$1,158.04	$811.65	-	$81.24	$69.28	-	$85.00	N/A	$511.34	$48.27	$52.08	$56.14	$59.74
CARLTON	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CARVER	$952.80	$949.11	-	$61.08	N/A	N/A	$70.00	$63.00	$597.94	$56.44	$60.90	$65.65	$69.86
CASS	$177.77	$212.21	+	N/A	$8.06	+	$30.00	$29.17	$133.69	$12.62	$13.62	$14.68	$15.62
CHIPPEWA	$878.90	$607.05	-	$71.07	$63.24	-	$70.00	$68.96	$382.44	$36.10	$38.95	$41.99	$44.68
CHISAGO	$473.31	$710.26	+	$23.67	$23.80	+	$45.00	$44.11	$447.46	$42.24	$45.58	$49.13	$52.28
CLAY	$605.80	$569.65	-	$67.71	$44.70	-	$55.00	$50.96	$358.88	$33.88	$36.55	$39.40	$41.93
CLEARWATER	$210.57	$236.42	+	$16.84	$16.56	-	$30.00	$30.54	$148.94	$14.06	$15.17	$16.35	$17.40
COOK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
COTTONWOOD	$989.69	$704.14	-	$77.43	$72.60	-	$85.00	$75.00	$443.61	$41.87	$45.18	$48.71	$51.83
CROW WING	$230.47	$243.98	+	$13.55	$11.45	-	$30.00	$28.75	$153.71	$14.51	$15.66	$16.88	$17.96
DAKOTA	$735.43	$777.50	+	$56.43	N/A	N/A	$80.00	$77.70	$489.83	$46.24	$49.89	$53.78	$57.23
DODGE	$886.34	$630.23	-	$59.94	$59.28	-	$85.00	$81.94	$397.04	$37.48	$40.44	$43.59	$46.39
DOUGLAS	$451.43	$411.35	-	$30.85	$31.12	+	$50.00	$45.40	$259.15	$24.46	$26.40	$28.45	$30.28
FARIBAULT	$1,134.56	$851.72	-	$84.36	$78.06	-	$85.00	$83.62	$536.58	$50.65	$54.65	$58.91	$62.69
FILLMORE	$526.77	$424.33	-	$57.56	$60.56	+	$80.00	$77.16	$267.33	$25.23	$27.23	$29.35	$31.23
FREEBORN	$907.84	$603.72	-	$64.08	$69.73	+	$85.00	$81.40	$380.34	$35.90	$38.74	$41.76	$44.44
GOODHUE	$767.34	$645.90	-	$60.67	$59.62	-	$80.00	$75.26	$406.92	$38.41	$41.45	$44.68	$47.54
GRANT	N/A	N/A	N/A	$46.82	$44.31	-	$55.00	$54.50	N/A	N/A	N/A	N/A	N/A
HENNEPIN	N/A	N/A	N/A	N/A	N/A	N/A	$50.00	$47.10	N/A	N/A	N/A	N/A	N/A
HUBBARD	$217.63	$233.46	+	$9.13	$9.05	-	$30.00	$29.16	$147.08	$13.88	$14.98	$16.15	$17.18
ISANTI	$377.57	$555.04	+	$27.46	$25.17	-	$45.00	$43.53	$349.68	$33.01	$35.62	$38.39	$40.85
ITASCA	N/A	N/A	N/A	N/A	N/A	N/A	$30.00	$30.00	N/A	N/A	N/A	N/A	N/A
JACKSON	$1,016.74	$752.95	-	$83.24	$78.92	-	$85.00	$84.62	$474.36	$44.78	$48.31	$52.08	$55.42
KANABEC	$286.00	$381.34	+	$19.37	$15.16	-	$45.00	$39.71	$240.24	$22.68	$24.47	$26.38	$28.07
KANDIYOHI	$772.75	$600.16	-	$51.09	$55.35	+	$70.00	$61.11	$378.10	$35.69	$38.51	$41.51	$44.17
KITTSON	$387.99	$405.86	+	$30.58	$37.67	+	$44.00	$42.28	$255.69	$24.14	$26.04	$28.07	$29.87
KOOCHICHING	$129.55	$351.16	+	N/A	N/A	N/A	$30.00	$30.00	$221.23	$20.88	$22.53	$24.29	$25.85
LAC QUI PARLE	$663.02	$488.20	-	$50.13	$50.48	+	$70.00	$60.08	$307.57	$29.03	$31.33	$33.77	$35.93
LAKE	N/A	N/A	N/A	N/A	N/A	N/A	$30.00	$30.63	N/A	N/A	N/A	N/A	N/A
LAKE OF THE WOODS	$158.22	$176.39	+	$10.17	N/A	N/A	$30.00	N/A	$111.13	$10.49	$11.32	$12.20	$12.98
LESUEUR	$851.37	$759.33	-	$65.48	$67.71	+	$85.00	$83.02	$478.38	$45.16	$48.72	$52.52	$55.89
LINCOLN	$427.59	$360.40	-	$42.93	$43.50	+	$70.00	$60.35	$227.05	$21.43	$23.13	$24.93	$26.53
LYON	$641.19	$554.59	-	$61.88	$52.09	-	$70.00	$67.68	$349.39	$32.98	$35.59	$38.36	$40.82
MAHNOMEN	$374.69	$404.49	+	$36.50	$33.53	-	$45.00	$44.79	$254.83	$24.05	$25.95	$27.98	$29.77
MARSHALL-BELTRAMI	$404.69	$369.93	-	$35.37	$33.51	-	$44.00	$42.69	$233.06	$22.00	$23.74	$25.59	$27.23
MARSHALL	$404.69	$369.93	-	$35.37	$33.51	-	$44.00	$42.69	$233.06	$22.00	$23.74	$25.59	$27.23
MARTIN	$1,156.79	$870.88	-	$95.97	$80.01	-	$85.00	$84.83	$548.65	$51.79	$55.88	$60.24	$64.10
MCLEOD	$886.81	$635.25	-	$54.69	$50.79	-	$70.00	$65.06	$400.21	$37.78	$40.76	$43.94	$46.76
MEEKER	$794.57	$589.14	-	$45.36	$44.12	-	$70.00	$58.68	$371.16	$35.03	$37.80	$40.75	$43.36
MILLE LACS	$342.01	$426.64	+	$23.53	$25.89	+	$45.00	$45.00	$268.78	$25.37	$27.38	$29.51	$31.40

70% PERP LIMITED EASEMENT PAYMENT OPTIONS FOR 1989
REVISED 3/1/89

DISTRICT	EST MKT VAL / ACRE 1986	1988	/ CHG	CASH RENT /ACRE 1986	1988	/ CHG	CRP PAYMT /ACRE 1986	1988	CO.AVG 88 LTD. PMT.	20 YEAR ANNUAL OPTION DISC.%= 7	20 YEAR ANNUAL OPTION DISC.%= 8	15 YEAR ANNUAL OPTION DISC.%= 8	15 YEAR ANNUAL OPTION DISC.%= 7
MORRISON	$293.78	$390.04	+	$22.02	$20.76	-	$45.00	$43.19	$245.73	$23.19	$25.03	$26.98	$28.71
MOWER	$785.91	N/A	N/A	$59.36	$62.21	+	$85.00	$82.28	N/A	N/A	N/A	N/A	N/A
MURRAY	$706.20	$572.07	-	$58.71	$62.69	+	$70.00	$69.66	$360.40	$34.02	$36.71	$39.57	$42.11
NICOLLET	$1,047.27	$804.21	-	$83.82	$68.68	-	$85.00	$74.25	$506.65	$47.82	$51.60	$55.63	$59.19
NOBLES	$746.08	$602.55	-	$72.29	$66.89	-	$70.00	$70.31	$379.61	$35.83	$38.66	$41.68	$44.35
NORMAN	N/A	N/A	N/A	$51.13	$41.96	-	$55.00	$54.33	N/A	N/A	N/A	N/A	N/A
OLMSTED	$709.20	$526.62	-	$56.73	$55.52	-	$80.00	$78.29	$331.77	$31.32	$33.79	$36.43	$38.76
EAST OTTER TAIL	$338.63	$411.70	+	$32.18	$29.39	-	$45.00	$30.33	$259.37	$24.48	$26.42	$28.48	$30.30
WEST OTTER TAIL	$338.63	$411.70	+	$32.18	$29.39	-	$55.00	$36.48	$259.37	$24.48	$26.42	$28.48	$30.30
PENNINGTON	$321.93	$237.90	-	$19.86	$25.26	+	$44.00	N/A	$149.88	$14.15	$15.27	$16.46	$17.51
PINE	$232.25	$294.57	+	$16.93	$14.13	-	$30.00	$30.00	$185.58	$17.52	$18.90	$20.38	$21.68
PIPESTONE	$537.35	$432.82	-	$49.05	$49.66	+	$70.00	$65.92	$272.68	$25.74	$27.77	$29.94	$31.86
EAST POLK	$574.53	$532.38	-	$46.03	$39.71	-	$45.00	$43.76	$335.40	$31.66	$34.16	$36.83	$39.18
WEST POLK	$574.53	$532.38	-	$46.03	$39.71	-	$55.00	$52.77	$335.40	$31.66	$34.16	$36.83	$39.18
POPE	$477.57	$438.96	-	$42.60	$37.18	-	$50.00	$45.47	$276.54	$26.10	$28.17	$30.36	$32.31
RAMSEY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
RED LAKE	$346.33	$255.86	-	$29.74	$29.65	-	$30.00	$40.28	$161.19	$15.22	$16.42	$17.70	$18.83
REDWOOD	$1,044.19	$745.04	-	$87.07	$68.53	-	$85.00	$82.41	$469.38	$44.31	$47.81	$51.53	$54.84
RENVILLE	$1,056.23	$730.28	-	$87.09	$71.16	-	$85.00	$80.06	$460.08	$43.43	$46.86	$50.51	$53.75
RICE	$804.33	$696.43	-	$56.82	$56.16	-	$85.00	$80.61	$438.75	$41.41	$44.69	$48.17	$51.26
ROCK	$720.28	$590.96	-	$62.84	$61.87	-	$70.00	$62.00	$372.30	$35.14	$37.92	$40.88	$43.50
ROOT RIVER	$446.10	$507.84	+	$54.78	$68.43	+	$80.00	$79.39	$319.94	$30.20	$32.59	$35.13	$37.38
ROSEAU	$249.17	$226.39	-	$26.54	$26.22	-	$44.00	$42.82	$142.63	$13.46	$14.53	$15.66	$16.66
NORTH ST. LOUIS	$142.53	$113.52	-	$3.00	$5.00	+	$30.00	$29.99	$71.52	$6.75	$7.28	$7.85	$8.36
SOUTH ST. LOUIS	$142.53	$113.52	-	$3.00	$5.00	+	$30.00	$27.50	$71.52	$6.75	$7.28	$7.85	$8.36
SCOTT	$1,039.35	$1,040.50	+	$65.92	N/A	N/A	$70.00	$67.27	$655.52	$61.88	$66.77	$71.97	$76.58
SHERBURNE	$408.50	$802.52	+	$14.94	$18.61	+	$45.00	$37.17	$505.59	$47.72	$51.50	$55.51	$59.07
SIBLEY	$970.15	$673.00	-	$73.73	$63.13	-	$85.00	$81.67	$423.99	$40.02	$43.18	$46.55	$49.53
STEARNS	$528.99	$468.87	-	$32.41	$31.68	-	$50.00	$48.40	$295.39	$27.88	$30.09	$32.43	$34.51
STEELE	$893.64	$642.53	-	$62.40	$67.00	+	$85.00	$83.26	$404.79	$38.21	$41.23	$44.44	$47.29
STEVENS	$721.14	$529.06	-	$49.48	$47.16	-	$55.00	$55.00	$333.31	$31.46	$33.95	$36.60	$38.94
SWIFT	$643.30	$477.45	-	$49.90	$45.62	-	$55.00	$51.71	$300.79	$28.39	$30.64	$33.03	$35.14
TODD	$317.72	$375.91	+	$21.48	$19.74	-	$45.00	$42.91	$236.82	$22.35	$24.12	$26.00	$27.67
TRAVERSE	$736.95	$492.93	-	$44.64	$45.44	+	$55.00	$52.90	$310.55	$29.31	$31.63	$34.10	$36.28
WABASHA	$635.31	N/A	N/A	$58.60	$59.27	+	$80.00	$78.14	N/A	N/A	N/A	N/A	N/A
WADENA	$207.49	$207.49	-	$13.66	$15.54	+	$30.00	$29.28	$130.72	$12.34	$13.31	$14.35	$15.27
WASECA	$1,025.54	N/A	N/A	$82.85	$74.38	-	$85.00	$82.58	N/A	N/A	N/A	N/A	N/A
WASHINGTON	N/A	N/A	N/A	N/A	N/A	N/A	$50.00	$50.00	N/A	N/A	N/A	N/A	N/A
WATONWAN	$1,036.04	$826.90	-	$96.34	$79.21	-	$85.00	$82.57	$520.95	$49.17	$53.06	$57.20	$60.86
WILKIN	$697.07	$598.14	-	$44.71	$45.44	+	$55.00	$53.49	$376.83	$35.57	$38.38	$41.37	$44.02
WINONA	$576.52	$578.09	+	$55.54	$56.58	+	$80.00	$79.60	$364.20	$34.38	$37.09	$39.99	$42.55
WRIGHT	$788.27	$448.09	-	$47.77	$37.55	-	$50.00	$46.80	$282.30	$26.65	$28.75	$30.99	$32.98
YELLOW MEDICINE	$737.31	$550.12	-	$66.69	$60.37	-	$70.00	$68.28	$346.58	$32.71	$35.30	$38.05	$40.49

75% PERP LIMITED EASEMENT PAYMENT OPTIONS FOR 1989
REVISED 3/1/89

DISTRICT	EST MKT VAL / ACRE 1986	1988	/ CHG	CASH RENT /ACRE 1986	1988	/ CHG	CRP PAYMT /ACRE 1986	1988	CO.AVG 88 LTD. PMT.	20 YEAR ANNUAL OPTION DISC.%= 7	8	20 YEAR ANNUAL OPTION DISC.%= 7	8	15 YEAR ANNUAL OPTION DISC.%= 7	8	15 YEAR ANNUAL OPTION DISC.%= 7	8
AITKIN	$217.44	$248.24	+	$6.94	$7.81	+	$30.00	$25.00	$167.56	$15.82	$17.07	$18.40	$19.58				
ANOKA	N/A	N/A	N/A	$26.50	N/A	N/A	$45.00	$45.00	N/A	N/A	N/A	N/A	N/A				
BECKER	$358.60	$388.20	+	$30.62	$25.42	-	$45.00	$43.56	$262.04	$24.73	$26.69	$28.77	$30.61				
BELTRAMI	$203.25	$180.33	-	$10.33	$6.59	-	$30.00	$29.63	$121.72	$11.49	$12.40	$13.36	$14.22				
BENTON	$496.13	$541.25	+	$24.41	$20.87	-	$45.00	$43.26	$365.34	$34.49	$37.21	$40.11	$42.68				
BIG STONE	$547.58	$457.84	-	$45.46	$42.22	-	$55.00	$53.80	$309.04	$29.17	$31.48	$33.93	$36.11				
BLUE EARTH	$965.26	$834.92	-	$85.58	$79.17	-	$85.00	$83.78	$563.57	$53.20	$57.40	$61.88	$65.84				
BROWN	$1,158.04	$811.65	-	$81.24	$69.28	-	$85.00	N/A	$547.86	$51.71	$55.80	$60.15	$64.01				
CARLTON	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A				
CARVER	$952.80	$949.11	-	$61.08	N/A	N/A	$70.00	$63.00	$640.65	$60.47	$65.25	$70.34	$74.85				
CASS	$177.77	$212.21	+	N/A	$8.06	+	$30.00	$29.17	$143.24	$13.52	$14.59	$15.73	$16.73				
CHIPPEWA	$878.90	$607.05	-	$71.07	$63.24	-	$70.00	$68.96	$409.76	$38.68	$41.73	$44.99	$47.87				
CHISAGO	$473.31	$710.26	+	$23.67	$23.80	+	$45.00	$44.11	$479.43	$45.25	$48.83	$52.64	$56.01				
CLAY	$605.80	$569.65	-	$67.71	$44.70	-	$55.00	$50.96	$384.51	$36.30	$39.16	$42.22	$44.92				
CLEARWATER	$210.57	$236.42	+	$16.84	$16.56	-	$30.00	$30.54	$159.58	$15.06	$16.25	$17.52	$18.64				
COOK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A				
COTTONWOOD	$989.69	$704.14	-	$77.43	$72.60	-	$85.00	$75.00	$475.29	$44.86	$48.41	$52.18	$55.53				
CROW WING	$230.47	$243.98	+	$13.55	$11.45	-	$30.00	$28.75	$164.69	$15.55	$16.77	$18.08	$19.24				
DAKOTA	$735.43	$777.50	+	$56.43	N/A	N/A	$80.00	$77.70	$524.81	$49.54	$53.45	$57.62	$61.31				
DODGE	$886.34	$630.23	-	$59.94	$59.28	-	$85.00	$81.94	$425.41	$40.16	$43.33	$46.71	$49.70				
DOUGLAS	$451.43	$411.35	-	$30.85	$31.12	+	$50.00	$45.40	$277.66	$26.21	$28.28	$30.49	$32.44				
FARIBAULT	$1,134.56	$851.72	-	$84.36	$78.06	-	$85.00	$83.62	$574.91	$54.27	$58.56	$63.12	$67.17				
FILLMORE	$526.77	$424.33	-	$57.56	$60.56	+	$80.00	$77.16	$286.42	$27.04	$29.17	$31.45	$33.46				
FREEBORN	$907.84	$603.72	-	$64.08	$69.73	+	$85.00	$81.40	$407.51	$38.47	$41.51	$44.74	$47.61				
GOODHUE	$767.34	$645.90	-	$60.67	$59.62	-	$80.00	$75.26	$435.98	$41.15	$44.41	$47.87	$50.94				
GRANT	N/A	N/A	N/A	$46.82	$44.31	-	$55.00	$54.50	N/A	N/A	N/A	N/A	N/A				
HENNEPIN	N/A	N/A	N/A	N/A	N/A	N/A	$50.00	$47.10	N/A	N/A	N/A	N/A	N/A				
HUBBARD	$217.63	$233.46	+	$9.13	$9.05	-	$30.00	$29.16	$157.59	$14.87	$16.05	$17.30	$18.41				
ISANTI	$377.57	$555.04	+	$27.46	$25.17	-	$45.00	$43.53	$374.65	$35.36	$38.16	$41.13	$43.77				
ITASCA	N/A	N/A	N/A	N/A	N/A	N/A	$30.00	$30.00	N/A	N/A	N/A	N/A	N/A				
JACKSON	$1,016.74	$752.95	-	$83.24	$78.92	-	$85.00	$84.62	$508.24	$47.97	$51.77	$55.80	$59.38				
KANABEC	$286.00	$381.34	+	$19.37	$15.16	-	$45.00	$39.71	$257.40	$24.30	$26.22	$28.26	$30.07				
KANDIYOHI	$772.75	$600.16	-	$51.09	$55.35	+	$70.00	$61.11	$405.11	$38.24	$41.26	$44.48	$47.33				
KITTSON	$387.99	$405.86	+	$30.58	$37.67	+	$44.00	$42.28	$273.96	$25.86	$27.90	$30.08	$32.01				
KOOCHICHING	$129.55	$351.16	+	N/A	N/A	N/A	$30.00	$30.00	$237.03	$22.37	$24.14	$26.02	$27.69				
LAC QUI PARLE	$663.02	$488.20	-	$50.13	$50.48	+	$70.00	$60.08	$329.54	$31.11	$33.56	$36.18	$38.50				
LAKE	N/A	N/A	N/A	N/A	N/A	N/A	$30.00	$30.63	N/A	N/A	N/A	N/A	N/A				
LAKE OF THE WOODS	$158.22	$176.39	+	$10.17	N/A	N/A	$30.00	N/A	$119.06	$11.24	$12.13	$13.07	$13.91				
LESUEUR	$851.37	$759.33	-	$65.48	$67.71	+	$85.00	$83.02	$512.55	$48.38	$52.20	$56.27	$59.88				
LINCOLN	$427.59	$360.40	-	$42.93	$43.50	+	$70.00	$60.35	$243.27	$22.96	$24.78	$26.71	$28.42				
LYON	$641.19	$554.59	-	$61.88	$52.09	-	$70.00	$67.68	$374.35	$35.34	$38.13	$41.10	$43.73				
MAHNOMEN	$374.69	$404.49	+	$36.50	$33.53	-	$45.00	$44.79	$273.03	$25.77	$27.81	$29.98	$31.90				
MARSHALL-BELTRAMI	$404.69	$369.93	-	$35.37	$33.51	-	$44.00	$42.69	$249.70	$23.57	$25.43	$27.42	$29.17				
MARSHALL	$404.69	$369.93	-	$35.37	$33.51	-	$44.00	$42.69	$249.70	$23.57	$25.43	$27.42	$29.17				
MARTIN	$1,156.79	$870.88	-	$95.97	$80.01	-	$85.00	$84.83	$587.84	$55.49	$59.87	$64.54	$68.68				
MCLEOD	$886.81	$635.25	-	$54.69	$50.79	-	$70.00	$65.06	$428.79	$40.48	$43.67	$47.08	$50.10				
MEEKER	$794.57	$589.14	-	$45.36	$44.12	-	$70.00	$58.68	$397.67	$37.54	$40.50	$43.66	$46.46				
MILLE LACS	$342.01	$426.64	+	$23.53	$25.89	+	$45.00	$45.00	$287.98	$27.18	$29.33	$31.62	$33.64				

75% PERP LIMITED EASEMENT PAYMENT OPTIONS FOR 1989
REVISED 3/1/89

DISTRICT	EST MKT VAL / ACRE 1986	1988	/ CHG	* CASH RENT /ACRE * 1986	1988	/ CHG	* CRP PAYMT /ACRE * 1986	1988	* CO.AVG 88 LTD. PMT.	20 YEAR ANNUAL OPTION DISC.%= 7	20 YEAR ANNUAL OPTION DISC.%= 8	15 YEAR ANNUAL OPTION DISC.%= 7	15 YEAR ANNUAL OPTION DISC.%= 8
MORRISON	$293.78	$390.04	+	$22.02	$20.76	-	$45.00	$43.19	$263.28	$24.85	$26.82	$28.91	$30.76
MOWER	$785.91	N/A	N/A	$59.36	$62.21	+	$85.00	$82.28	N/A	N/A	N/A	N/A	N/A
MURRAY	$706.20	$572.07	-	$58.71	$62.69	+	$70.00	$69.66	$386.15	$36.45	$39.33	$42.40	$45.11
NICOLLET	$1,047.27	$804.21	-	$83.82	$68.68	-	$85.00	$74.25	$542.84	$51.24	$55.29	$59.60	$63.42
NOBLES	$746.08	$602.55	-	$72.29	$66.89	-	$70.00	$70.31	$406.72	$38.39	$41.43	$44.66	$47.52
NORMAN	N/A	N/A	N/A	$51.13	$41.96	-	$55.00	$54.33	N/A	N/A	N/A	N/A	N/A
OLMSTED	$709.20	$526.62	-	$56.73	$55.52	-	$80.00	$78.29	$355.47	$33.55	$36.21	$39.03	$41.53
EAST OTTER TAIL	$338.63	$411.70	+	$32.18	$29.39	-	$45.00	$30.33	$277.90	$26.23	$28.30	$30.51	$32.47
WEST OTTER TAIL	$338.63	$411.70	+	$32.18	$29.39	-	$55.00	$36.48	$277.90	$26.23	$28.30	$30.51	$32.47
PENNINGTON	$321.93	$237.90	-	$19.86	$25.26	+	$44.00	N/A	$160.58	$15.16	$16.36	$17.63	$18.76
PINE	$232.25	$294.57	+	$16.93	$14.13	-	$30.00	$30.00	$198.83	$18.77	$20.25	$21.83	$23.23
PIPESTONE	$537.35	$432.82	-	$49.05	$49.66	+	$70.00	$65.92	$292.15	$27.58	$29.76	$32.08	$34.13
EAST POLK	$574.53	$532.38	-	$46.03	$39.71	-	$45.00	$43.76	$359.36	$33.92	$36.60	$39.46	$41.98
WEST POLK	$574.53	$532.38	-	$46.03	$39.71	-	$55.00	$52.77	$359.36	$33.92	$36.60	$39.46	$41.98
POPE	$477.57	$438.96	-	$42.60	$37.18	-	$50.00	$45.47	$296.30	$27.97	$30.18	$32.53	$34.62
RAMSEY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
RED LAKE	$346.33	$255.86	-	$29.74	$29.65	-	$30.00	$40.28	$172.71	$16.30	$17.59	$18.96	$20.18
REDWOOD	$1,044.19	$745.04	-	$87.07	$68.53	-	$85.00	$82.41	$502.90	$47.47	$51.22	$55.22	$58.75
RENVILLE	$1,056.23	$730.28	-	$87.09	$71.16	-	$85.00	$80.06	$492.94	$46.53	$50.21	$54.12	$57.59
RICE	$804.33	$696.43	-	$56.82	$56.16	-	$85.00	$80.61	$470.09	$44.37	$47.88	$51.61	$54.92
ROCK	$720.28	$590.96	-	$62.84	$61.87	-	$70.00	$62.00	$398.90	$37.65	$40.63	$43.80	$46.60
ROOT RIVER	$446.10	$507.84	+	$54.78	$68.43	+	$80.00	$79.39	$342.79	$32.36	$34.91	$37.64	$40.05
ROSEAU	$249.17	$226.39	-	$26.54	$26.22	-	$44.00	$42.82	$152.81	$14.42	$15.56	$16.78	$17.85
NORTH ST. LOUIS	$142.53	$113.52	-	$3.00	$5.00	+	$30.00	$29.99	$76.63	$7.23	$7.80	$8.41	$8.95
SOUTH ST. LOUIS	$142.53	$113.52	-	$3.00	$5.00	+	$30.00	$27.50	$76.63	$7.23	$7.80	$8.41	$8.95
SCOTT	$1,039.35	$1,040.50	+	$65.92	N/A	N/A	$70.00	$67.27	$702.34	$66.30	$71.53	$77.11	$82.05
SHERBURNE	$408.50	$802.52	+	$14.94	$18.61	+	$45.00	$37.17	$541.70	$51.13	$55.17	$59.48	$63.29
SIBLEY	$970.15	$673.00	-	$73.73	$63.13	-	$85.00	$81.67	$454.28	$42.88	$46.27	$49.88	$53.07
STEARNS	$528.99	$468.87	-	$32.41	$31.68	-	$50.00	$48.40	$316.49	$29.87	$32.23	$34.75	$36.98
STEELE	$893.64	$642.53	-	$62.40	$67.00	+	$85.00	$83.26	$433.71	$40.94	$44.17	$47.62	$50.67
STEVENS	$721.14	$529.06	-	$49.48	$47.16	-	$55.00	$55.00	$357.12	$33.71	$36.37	$39.21	$41.72
SWIFT	$643.30	$477.45	-	$49.90	$45.62	-	$55.00	$51.71	$322.28	$30.42	$32.82	$35.38	$37.65
TODD	$317.72	$375.91	+	$21.48	$19.74	-	$45.00	$42.91	$253.74	$23.95	$25.84	$27.86	$29.64
TRAVERSE	$736.95	$492.93	-	$44.64	$45.44	+	$55.00	$52.90	$332.73	$31.41	$33.89	$36.53	$38.87
WABASHA	$635.31	N/A	N/A	$58.60	$59.27	+	$80.00	$78.14	N/A	N/A	N/A	N/A	N/A
WADENA	$207.49	$207.49	-	$13.66	$15.54	+	$30.00	$29.28	$140.06	$13.22	$14.26	$15.38	$16.36
WASECA	$1,025.54	N/A	N/A	$82.85	$74.38	-	$85.00	$82.58	N/A	N/A	N/A	N/A	N/A
WASHINGTON	N/A	N/A	N/A	N/A	N/A	N/A	$50.00	$50.00	N/A	N/A	N/A	N/A	N/A
WATONWAN	$1,036.04	$826.90	-	$96.34	$79.21	-	$85.00	$82.57	$558.16	$52.69	$56.85	$61.28	$65.21
WILKIN	$697.07	$598.14	-	$44.71	$45.44	+	$55.00	$53.49	$403.74	$38.11	$41.12	$44.33	$47.17
WINONA	$576.52	$578.09	+	$55.54	$56.58	+	$80.00	$79.60	$390.21	$36.83	$39.74	$42.84	$45.59
WRIGHT	$788.27	$448.09	-	$47.77	$37.55	-	$50.00	$46.80	$302.46	$28.55	$30.81	$33.21	$35.34
YELLOW MEDICINE	$737.31	$550.12	-	$66.69	$60.37	-	$70.00	$68.28	$371.33	$35.05	$37.82	$40.77	$43.38

RIM RESERVE RULES

insurable title under a title insurance policy, not subject to any prior liens or encumbrances, approved by the Attorney General. Any title defect, liens, or encumbrances must be promptly removed or corrected by the landowner including, but not limited to, the following: lien waivers, releases or consent and subrogation from mortgagees, release or satisfaction of judgments, and receipt for payment of delinquent real estate taxes. The landowner's abstract of title must be returned to the landowner.

MS s 40.45

13 SR 1055

8400.3500 EASEMENT CONVEYANCE.

Upon delivery and recording of a properly executed conservation easement, approved by the commissioner, and the vesting of the easement interest in the commissioner, not subject to any prior lien or encumbrances, payment must be made for the easement to the landowner, landowner's designees, assignees, or heirs.

MS s 40.45

13 SR 1055

CALCULATING RIM RESERVE PAYMENTS →

8400.3530 PAYMENT RATES.

Subpart 1. **Calculation.** The payment rate for the conservation easement must be calculated according to subparts 2 to 4.

Subp. 2. **New easements.** For permanent easements, payments are per acre figures derived from county average cash rent adjusted for countywide variations in estimated township market value. The figures are established on a township basis with the lower of the following two values selected as the payment:

A. 100 percent of the present value of the derived per acre figure calculated for perpetuity; or

B. 90 percent of estimated township market value.

This payment method provides higher values for better quality land and ensures that payments do not exceed estimated market values. A schedule of payments for townships and unorganized

areas is developed annually and is available at district offices or from the commissioner.

For limited duration easements not less than 20 years in length, payments are based on 65 percent of the permanent easement payment.

Payment rates may be modified prior to the sign up by the commissioner if the commissioner determines the rates established above do not reflect current market values based on the most recent land value market indicators.

The commissioner shall annually establish the discount rate to be used for calculating present value. Average cash rent and estimated market value are based on information provided by the Department of Revenue in cooperation with local assessors.

Subp. 3. **Conversion to permanent easement.** When converting limited duration easements to permanent easements, the payment is the difference between the amount paid per acre for the permanent easement as established for the most recent sign-up period and the amount already paid for the limited duration easement on the area.

Subp. 4. **Approved practices.** The payment rate for the approved conservation practice to be applied to the easement area is described in Minnesota Statutes, section 40.43, subdivision 6.

MS s 40.45

13 SR 1055

8400.3560 PAYMENTS.

Payments for easements will be a one-time lump sum amount unless the landowner requests a split payment for up to four equal annual installments for which no interest is paid. Payments may be assigned by the landowner.

MS s 40.45

13 SR 1055

8400.3600 EASEMENT RENEWAL AND CONVERSION.

A. When a conservation easement of limited duration expires, a new conservation easement and agreement for an

DRAFT

STUDY AREA II RESOLUTION

WHEREAS, the Minnesota River Basin Study Area II Board of Directors, hereinafter referred to as Study Area II, is accomplishing its flood control mission by building structures throughout southwestern Minnesota; and

WHEREAS, Study Area II is providing technical and financial assistance to landowners in upstream watersheds in South Dakota; and

WHEREAS, innovate techniques such as Anderson Lake restoration, wetland restoration, and redesigned road crossings which store floodwaters need more widespread publicity.

NOW, THEREFORE, BE IT RESOLVED, that the Board of Water and Soil Resources enter into an agreement with Study Area II to assist local units of government in developing procedures so that new technology and innovative techniquess are used to retain runoff and protect wetlands particularly as drainage activities are contemplated.

Minnesota Board of Water & Soil Resources

Southbridge Office Building
155 South Wabasha Ave., Suite 104
St. Paul, Minnesota 55107

(612) 296-3767

March 21, 1989

TO: Board of Water and Soil Resources Members

FROM: Jim Birkholz, Executive Director

SUBJECT: Legislative Update

1. Comprehensive Water Legislation
   See Attachment 1 for details

2. Reinvest In Minnesota Program
   SF895 Novak
   HF960 Munger

   Status: The RIM Bill is scheduled for hearing in the House on April 11. Senate hearing is still pending. The program is reliant upon bonding funding until funds become available from the Environmental Trust Fund or other sources. On Monday, March 20, the House passed an emergency bonding bill and sent it to the Senate. This bonding bill did not contain any interim funding for the RIM Reserve portion of the Reinvest In Minnesota program. The Senate has made no commitment on a bonding bill this session. On the policy front, Senator Morse's SF262 has introduced two new concepts for the RIM Reserve Program. First, it proposes that hillside pastures be included in the program as eligible lands. Also, included is a concept of limited easements which would still allow some agricultural use.

   Recommended Action: The bonding appropriation from the last biennium is spent down to the amount needed to reseed acreage damage due to drought. House and Senate leadership are being appraised of the status of the bonding accounts for the RIM Reserve Program. The Board should actively pursue interim bonding funding for the RIM Reserve Program as per the Governor's budget request of $12 million for the biennium. Hillside pasture conservation easements is a good concept and should be supported for inclusion in the RIM Reserve Program. Limited easements pose a difficulty in that allowing continued agricultural use of RIM Reserve lands is contrary to the public purpose and policy stated in Chapter 40.02. The Board should not support the use of limited easements (as opposed to limited duration easements which are now in the program) but should seek alternative methods to fund water resource protection requirements (mandatory best management practices) which may be required as an outcome of comprehensive water legislation.

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East Central Region
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3. Wetlands Protection
HF31 Marsh
SF905 Merriam

Status: HF31 has passed the House Environment and Natural Resources Committee and has been referred to the Appropriations Committee. It will most likely be referred to the House Agriculture Committee also. SF905 has not received its first hearing. Board staff and the Board chair have participated in extensive discussions with various groups interested in this bill, both pro and con. In its present form, the bill contains a strong policy statement encouraging the protection, preservation, and management of wetlands including mitigation for virtually all wetland alteration activities and would preclude the drainage of protected waters as part of any drainage proceedings conducted under Chapter 106A.

Recommended Action: The Board should continue to be an active participant in this legislation which seeks to protect and enhance wetlands. The Board should seek a resolution to this issue which balances environmental protection and ensures orderly maintenance of public drainage systems. The Board should seek to expand educational opportunities relevant to the use of Chapter 106A including the preparation and distribution of a drainage manual which would educate drainage authorities on how to conduct activities in an environmentally sensitive manner.

4. Recodification of Water Law
SF60 DeCramer
HF771 Dille

Status: The recodification bill has passed the Senate Environment and Natural Resources Committee and has been referred to the Agriculture Committee. The bill has not received a hearing in the House.
Recommended Action: Continue to monitor this legislation to assure that no significant changes in statute occur.

5. Special Levy for Soil and Water Conservation Districts
SF708 R. Moe
HF818 E.Olson

Status: This bill has not received a hearing in either house as of this date. The legislature has expressed some reluctance to consider additional special levies at this point. Also, significant to the Board is that the 1987 tax reform legislation eliminated its existing levy exemptions for funding the implementation of comprehensive local water plans, water plan implementation in the metropolitan area, and funding for the completion of soil surveys.

Recommended Action: Stable long-term funding is essential to soil and water conservation district program stability. The Board should reaffirm its support for the concept of the conservation levy which is implemented at the discretion of the county boards. Efforts should continue to inform legislators of the importance to local government of needed funding options for implementing conservation activities.

6. Abandoned Well Sealing Cost-Share Programs
SF202 Davis
SF630 Stumpf
HF89 Bauerly
HF231 Sparby
HF490 Uphus
HF913 Valento

Status: None of these individual bills have received a hearing. The basic concept behind all of these bills is included in both Senate and House versions of the comprehensive water legislation. Several authors have expressed a willingness to go with the language in the comprehensive bills in lieu of pushing a separate bill.

Recommended Action: Continue to focus Board efforts on progressing the language for establishing an abandoned well sealing cost-share program as contained in the comprehensive water bills. As recommendations for improving the pilot program approach are received, build them into the legislation. Keep all interested authors appraised of current information and status of the legislation.

7. Vermillion River Watershed Management Organization
HF755/1053 Tompkins
SF758 Pariseao

Status: These bills recognize that the Vermillion Watershed Management Organization wishes to have its WMO plan approved soon. SF755 would also allow certain implementation activities to occur before a WMO plan is approved. Specifically the bills would require the Board of Water and Soil Resources to approve a plan upon 180 days of receipt of such plan.

Recommended Action: The authors have been appraised that the Board has filled the 509 Hydrologist position and have layed their bills aside with the assurance that plan review responsibilities will progress. Any move to establish deadlines for the Board's review of 509 plans will be an opportunity for us to discuss the ongoing staffing needs for the metropolitan water planning program.

8. Drought Relief Legislation - Municipal Water Supplies
HF433 Simoneau
SF452 Frank

Status: The Board would be required to conduct an investigation to determine if the drought of 1988 caused the municipalities principle well or surface water source to be inadequate in quantity or quality. The Board must provide technical assistance to municipalities and make grants to a municipality to adopt and a water supply enhancement plan. The Board would also be required to study surface backwater infiltration along the southern Mississippi River and near the Mississippi headwaters.

Recommended Action: The actions required of the Board in this bill could most appropriately be carried out by the Department of Natural Resources and the Minnesota Department of Health. This has been communicated to the authors. A possible Board role exists in the granting of funds to municipalities. Continue to monitor these bills.

9. Drought Relief - Farm Well Replacement.
HF878 Wenzel
SF1000 Davis

Status: These bills are part of more comprehensive legislation relating to the effects of last year's drought. The Board would be required to make grants to farmers whose water wells have been contaminated or have otherwise become inadequate for their household and livestock purposes. Under certain conditions the Board would reimburse the farmer for one half of the cost of drilling a new well or repairing an existing well up to a maximum of $6,000. Alternative water sources could be explored, the Board would also have the responsibility to promote to farmers the formation of rural water districts under Minnesota Statutes Chapter 110A. $1 million would be available for the grant program.

Recommended Action: Board staff have not heard of a widespread problem of wells going dry due to the drought. Such a program would be difficult to administer fairly and to make a clear determination of the reason for well failure. The Board should be aware that the administration has recommended $150,000 for a similar effort. This is included in the Governor's recommended budget for the Board. The Board should remain receptive to participating in this type of a program if the need is proven. Alternative activities which can perhaps have a greater impact are providing for well abandonment cost-share grants; educational initiatives on groundwater; acelleration of regional groundwater assessments so that proper well location can be accomplished; limit any grants program to hardship cases and consider a low-interest loan program. Any initiatives should include rural residences as well as farmers. This program would also need to emphasize inter-agency cooperation.

10. Drought Assistance - Replanting Trees on CRP Lands
HF911 Uphus/Dauner
SF947 Davis

Status: SF947 is being heard in the Senate Agriculture Committee on March 22. No hearing is scheduled in the House. The bill would allow a 25% state cost-share piggyback on the 50% federal payment for replanting trees on CRP lands killed due to the drought. The rationale is that the improved payment rate will be an incentive to allow more landowners to replant trees. This program is being actively promoted by the DNR/Division of Forestry and is supported by the Minnesota Association of Soil and Water Conservation Districts and the WesMin RC&D.

Recommended Action: The Board should support the establishment of an emergency cost-share program to replant trees on CRP lands provided that up to 20% administrative funds are available for the soil and water conservation districts and program implementation and that a forestry coordinator position be established in the Board to assist in inter-agency efforts involving forestry activities between soil and water conservation districts, DNR/Division of Forestry, and the Minnesota RC&D areas.

Numerous bills have been introduced in the House regarding various parts of comprehensive water legislation. This memo does not elaborate on those various bills.

Attachment 1

STATUS OF THE BIG WATER BILLS

S.F. 262 (Morse, Moe, Davis, Merriam, Benson)
H.F. 534 (Munger, Kalis, Redalen, Price, Bishop)

We are having difficulty in getting timely information to you on the scheduling of hearings on the "Big Water Bills". We have, therefore, decided to add a regular feature to **Billboard**: an update on what is happening to the bills. While many bills have been introduced, the primary focus of hearings has been the two initiatives known as "the Senate" or "the Morse" bill (S.F. 262) and "the agency" or "the Governor's" bill (H.F. 534 and S.F. 411).

Concerning S.F. 262:

The Senate Ad Hoc Water Committee has met several times to take testimony and consider amendments to S.F. 262. Significant amendments were adopted on Monday (March 13) and Wednesday (March 15) to Articles 1 and 2 of the bill. Unofficial engrossments of these articles can be obtained from the Senate Agriculture and Rural Development Committee (296-7405). The Committee will consider further amendments, and additional discussion on Articles 1 and 2 on Monday, March 20 and Wednesday, March 22. By Wednesday's meeting, Senator Morse hopes to have an unofficial engrossment of the entire bill available.
3/20 update: Well code, abandoned well cost share, water appropriation amendments
Incidentally, S.F. 262 now has a companion in the House, H.F. 1230 introduced by Bauerly.

Wed 3/22 - Pesticide & fertilizer amendments

Concerning H.F. 534:

The House Environment and Natural Resources Committee will take testimony on H.F. 534 on Tuesday, March 21. The Committee expects to consider amendments, as well as additional testimony, on March 28.

Chief author, Representative Willard Munger, has established a team approach to authorship of the bill. Each co-author has accepted responsibility for one or two articles of the bill. They will have much the same leadership responsibility as is usually given only the chief author. These duties are as follows:

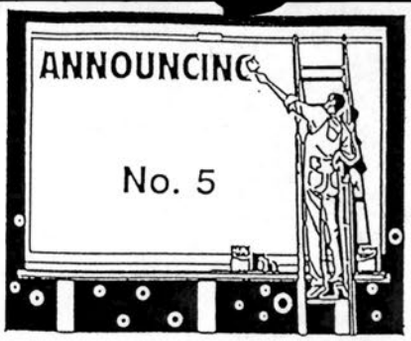
Representative Munger: Articles 1, 8, 9, & 10 (Policy Framework, Water Appropriation Priority Changes, Legislative Commission on Water, and Appropriations.)

Representative Redalen: Article 2 (Fertilizer, Soil Amendment, and Plant Amendment Act.)

Representative Kalis: Articles 3 & 4 (Pesticide Control Act and Waste Pesticide Collection.)

Representative Price: Articles 5 & 6 (Water Supply Monitoring and Protection; and Education, Research, Monitoring, and Information Management.)

Representative Bishop: Article 7 (Local Water Resources Protection and Management.)



Water BillBoard

March 22, 1989

The purpose of the Water BillBoard is to track the progression of water-related legislation and to serve as a forum for sharing information about water issues being addressed by the legislature. It is published weekly during the legislative session by the Board of Water and Soil Resources in cooperation with the Outreach Committee.

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Water Day Scheduled for March 29

A "Water Day" for local government officials will be held at the Capitol Holiday Inn on March 29. Local government officials from counties, cities, soil and water conservation districts, watershed districts and townships will attend.

The event will be an opportunity for local officials to visit with legislators and show their support for portions of the two "water bills" now in front of the House and Senate. Of special interest are water management issues addressed in Governor Perpich's budget and legislative recommendations.

The Minnesota Board of Water and Soil Resources is coordinating Water Day on behalf of local water planning project managers and participating local governments.

Agenda

10:30 - 11:30	Speeches from Senate and House leaders
11:30 - 1:00	Keynote address Speeches from local association leaders
1:00 . . .	Visits with legislators