

2001 Project Abstract

For the Period Ending June 30, 2004

TITLE: Restoring Minnesota's Fish and Wildlife Habitat Corridors - Fisheries Habitat Improvement and Restoration (2h) Projects under this segment will be concentrated in the following corridors: 3. Border Prairie, 4. Central Lakes, 6. Upper Minnesota, 7. Alexandria Moraine, 10. Southern Lakes, and 11. Mississippi Blufflands

PROJECT MANAGER: Linda Erickson-Eastwood

ORGANIZATION: Minnesota Department of Natural Resources

ADDRESS: 500 Lafayette Road, St. Paul, MN 55155-4012

WEB SITE ADDRESS: www.dnr.state.mn.us

FUND: Environmental Trust Fund

LEGAL CITATION: 04(e) M.L. 2001 First Special Session, Chapter 2, Section 14, Subd.04(e) . \$11,745,000 (Env. Trust Fund). Restoring Minnesota's Fish and Wildlife Habitat Corridors

APPROPRIATION AMOUNT: \$250,000

Overall Project Outcome and Results

The project resulted in a grand total of approximately 6,907 acres and/or 38 miles of improvements. Environmental and Natural Resources Trust dollars' directly improved 3,534 acres of the total, including 22 miles of lake and stream shoreline. Outside funds and other state monies leveraged with trust dollars totaled approximately \$212,008. These contributions helped improve the remaining 3,373 acres of the grand total, including 16 shoreline miles.

This project assisted in improving fish habitat, protecting water quality on streams and lakes within the selected project areas, improve fish populations, and provide additional angling opportunity. Fish habitat improvement and restoration projects included shoreland plantings, dam removals or modifications, in-stream cover, habitat enhancement, aeration, barriers, and shoreline stabilization. Development of parcels included activities such as demolition of buildings, removal of tires, and construction of parking lot. Activities under this segment concentrated in the following project areas: Border Prairie, Central Lakes, Upper Minnesota, and Southern Lakes. A brief description of the work done in each of these project areas follows and a map showing the distribution of activities is attached.

Border Prairie: The majority of the work done in this project area centered on dam removal, dam modifications, and shoreland stabilization to assist in restoring and enhancing the Ottertail and Pelican river corridors for sturgeon and other migrating fish species. A grand total of 6,293 acres and/or 36 miles were improved of which 85% will directly benefit sturgeon migration and reproduction.

Central Lakes: Development and restoration of key parcels in the Brainerd lakes region that will result in improved fishing and angler access.

Upper Minnesota: The cooperative fish passage work benefits northern pike spawning in an area adjacent to Lac Qui Parle Lake. Shoreland stabilization and aeration on East Toqua creates better fishing opportunities.

Southern Lakes: Development and restoration of two parcels that will result in improved fishing and angler access on the Cannon River and Savidge Lake. The Cannon River was also developed with partner assistance to accommodate hunting in the area.

Project Results Use and Dissemination

The associated project location map can also be found on the Department of Natural Resources web site www.dnr.state.mn.us. All areas have been signed.

Final Work Program Report

Date of Report: April 2, 2004

Date of Next Program Update:

Date of Work Plan Approval: July 24, 2001

Amendment Approval: July 16, 2002

Project Completion Date: June 30, 2004

LCMR Work Program 2001

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Table with 6 columns: Fund, Year, Allocat, Liquid, Encumb, Balance. Rows include Restoring MN Fish & Wildlife Habitat Corridors (ETF) for 2001 with a total budget of \$250,000, broken down by expenditures for FY 02 and FY 03.

Legal Citation: 04(e) M.L. 2001 First Special Session, Chapter 2, Section 14, Subd.04(e) . \$11,745,000 (Env. Trust Fund).Restoring Minnesota's Fish and Wildlife Habitat Corridors

\$5,873,000 the first year and \$5,872,000 the second year are from the trust fund to the commissioner of natural resources for acceleration of agency programs and cooperative agreements with Minnesota Waterfowl Association, Minnesota Deer Hunters Association, Ducks Unlimited, Inc., National Wild Turkey Federation, Pheasants Forever, The Nature Conservancy, Minnesota Land Trust, Trust for Public Land, U.S. Fish and Wildlife Service, Bureau of Indian Affairs, Natural Resources Conservation Service, and the U.S. Forest Service to restore and acquire fragmented landscape corridors that connect areas of quality habitat to sustain fish, wildlife, and plants.

Final Report - Fisheries Habitat Improvement and Restoration page 2

II and III. FINAL PROJECT SUMMARY

The project resulted in a grand total of approximately 6,907 acres and/or 38 miles of improvements. Environmental and Natural Resources Trust dollars' directly improved 3,534 acres of the total, including 22 miles of lake and stream shoreline. Outside funds and other state monies leveraged with trust dollars totaled approximately \$212,008. These contributions helped improve the remaining 3,373 acres of the grand total, including 16 shoreline miles. The attached project location map can also be found on the Department of Natural Resources web site www.dnr.state.mn.us.

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Central Lakes: Development and restoration of key parcels in the Brainerd lakes region that will result in improved fishing and angler access.

Upper Minnesota: The cooperative fish passage work benefits northern pike spawning in an area adjacent to Lac Qui Parle Lake. Shoreland stabilization and aeration on East Toqua creates better fishing opportunities.

Southern Lakes: Development and restoration of two parcels that will result in improved fishing and angler access on the Cannon River and Savidge Lake. The Cannon River was also developed with partner assistance to accommodate hunting in the area.

IV. Final Outline of Project Results:

Result 1: #3 Border Prairie

Stream improvement may involve a number of activities including plant restoration, bank stabilization, channel restoration, dam modifications, and addition of instream cover. Bank stabilization is done to prevent erosion, which can degrade fish spawning areas and cover. The objective is to improve conditions for game fish species such as walleye, sturgeon, smallmouth bass, and catfish on 2 miles of lake shoreland and/or 10 miles of stream shore. If funds are still available after these other projects are completed, monies will be used for spawning developments.

County	Project	Trust Acres	Trust Miles	Trust \$	Other \$	Other Acres	Other Miles	Total Acres	Total Miles
Otter Tail	Diversion Dam Fishway	51.60	5.919	\$31,044	\$33,135	53.70	6.160	105.30	12.079
Wilkin	Otter Tail R. Habitat Imp	0.87	0.047	\$15,010	\$24,687	1.43	0.077	2.30	0.124
Otter Tail	Tamarack Lake Aeration	378.26	0.000	\$ 5,580	\$ 837	56.74	0	435.00	0
Otter Tail	Otter Tail Lk Habitat Imp.	0.04	0.003	\$ 7,049	\$15,017	0.10	0.007	0.14	0.010
Becker	Height of Land Dam Mod	715.55	0.751	\$ 1,931	\$ 8,344	3,091.45	3.245	3,807.00	3.996
Becker	OT Lions Park Dam Mod	98.98	11.030	\$28,678	\$13,915	48.02	5.352	147.00	16.382
Wilkin	Otter Tail R. Habitat Imp	0.02	0.007	\$ 1,548	\$15,146	0.18	0.064	0.20	0.071
Becker	Pelican R. Shoreham Dam	1,275.00	2.121	\$ 3,930	0	0	0	1,275.00	2.121
Becker	Otter Tail R. Hwy 10	7.10	0.720	\$ 8,523	0	0	0	7.10	0.720

Final Report - Fisheries Habitat Improvement and Restoration page 3

Becker	Pelican Lake Aeration	468.89	0.000	\$ 6,326	\$609	45.11	0	514.00	0
Total		2,996.31	20.598	\$109,619	\$111,690	3,296.73	14.905	6,293.04	35.503

Professional Services Total: \$ 796
 Grand Total (Trust only: professional + trust \$): \$110,415

Result 2: #6 Upper Minnesota

Stream improvement may involve a number of activities including plant restoration, bank stabilization, channel restoration, dam modifications, and addition of instream cover. Bank stabilization is done to prevent erosion, which can degrade fish spawning areas and cover. The objective is to improve conditions for game fish species such as walleye, sturgeon, smallmouth bass, and catfish on about 2 miles of lake shoreland or 4 miles of stream shore. If funds are still available after these other projects are completed, monies will be used for spawning developments.

County	Project	Trust Acres	Trust Miles	Trust \$	Other \$	Other Acres	Other Miles	Total Acres	Total Miles
LQP	Fish Passage NPSA	67.26	1.165	\$25,446	\$35,595	62.85	1.089	130.11	2.254
Big Stone	East Toqua Shoreline Stab.	0.47	0.219	\$24,834	\$ 1,482	0.03	0.013	0.50	0.232
Big Stone	East Toqua Aeration	433.00	0.000	\$ 5,821	\$ 0	0	0	433.00	0
Total		500.73	1.384	\$56,101	\$37,077	62.88	1.102	563.61	2.486

Professional Services Total: \$6,895
 Grand Total (Trust only: professional + trust \$): \$62,996

Result #3: Signage and other development

The monies will be used to pay for signs, fencing, removal of safety hazards, and other activities that will be needed to meet the minimum development standards as determined by the commissioner on approximately 8 miles of lake shoreland and/or 30 miles of stream shoreline.

April 2, 2004: Other DNR Fisheries monies were utilized for signage. Attached is an example of the signs used to post the easements and the decals that were developed and put on each of the signs.

Result #4: Professional services

The monies will be used to pay for boundary surveys, contracts, and other legal paper work done to secure services or materials for habitat improvement projects on approximately 4 miles of lake shoreland and/or 16 miles of stream shoreline.

Project Area	Total expenditures as of November 15, 2002
#3 Border Prairie	\$2,232
#4 Central Lakes	\$ 838
#6 Upper Minnesota	0
#7 Alexandria Moraine	0
#10 Southern Lakes	\$ 732
#11 Mississippi Bluff lands	0
Total	\$3,802

Result 4 was reported under each of the project specific results. It was easier to report Professional services associated with the development of projects than it was as its own result. All monies in this result were moved into the perspective project area results (Result 1 = \$9662; Result 5 = \$14,500; and Result 6 = \$838.)

Final Report - Fisheries Habitat Improvement and Restoration page 4

Result #5: #10 Southern Lakes

County	Project	Trust Acres	Trust Miles	Trust \$	Other \$	Other Acres	Other Miles	Total Acres	Total Miles
Le Sueur	Savidge Lake AMA Maint	11.85	0.258	\$ 1,129	\$1,461	1.85	0.04	13.7	0.298
Rice	Cannon River AMA Maint.	22.14		\$58,624	\$ 691	0.26	0	22.4	0
Total		33.99	0.258	\$59,753	\$2,152	2.11	0.04	36.1	0.298

Professional Services Total: \$8,223

Grand Total (Trust only: professional services + trust \$): \$67,976

Result #6: #4 Central Lakes

County	Project	Trust Acres	Trust Miles	Trust \$	Other \$	Other Acres	Other Miles	Total Acres	Total Miles
Crow Wing	Moody Glad. AMA Maint	2.44		\$4,303	\$13,478	7.66	0	10.10	0
Crow Wing	Pine R. Bank Stabilization	0.02	0.001	\$2,423	\$29,498	0.22	0.016	0.24	0.017
Mille Lacs	Mille Lacs AMA Maint.	0.01	0.001	\$110	\$8,535	0.29	0.039	0.30	0.040
Aitkin	Big Sandy AMA Maint.	0.56	0.027	\$1,024	\$9,578	3.28	0.161	3.84	0.188
Total		3.03	0.029	\$7,860	\$61,089	11.45	0.216	14.48	.245

Professional Services Total: \$753

Grand Total (Trust only: professional + trust \$): \$8,613

V. TOTAL PROJECT BUDGET: (see attachment A and page 1)

All Results: Personnel: NA
 All Results: Equipment: NA
 All Results: Development: \$225,000
 All Results: Acquisition: NA
 All Results: Other: \$25,000 (professional services)
TOTAL BUDGET: \$250,000

VI. PAST, PRESENT AND FUTURE SPENDING

A. Past Spending:

Since Fiscal Year 1995, the Section of Fisheries has spent an average of about \$700,000 annually of their operating budget, on fisheries improvement projects. Other funding for fisheries improvements since 1994 has been as follows:

Year	Funding Source	Amount
1995	ETF	\$ 74,000
1995	FRF	\$ 445,000
1996	Bonding	\$ 250,000
1998	General	\$1,000,000
1999	ETF	\$ 350,000
Total		\$2,419,000

Final Report - Fisheries Habitat Improvement and Restoration page 5

Other Funding Sources for Warmwater Fisheries Habitat Improvement

Source	July 1995-June 1997	July 1997-June 1999	July 1999-June 2001
G&F Fund	\$ 500,000	\$ 700,000	\$ 700,000
General Fund		\$ 200,000	
In Kind	\$ 30,000	\$ 86,000	\$ 30,000
Total	\$ 530,000	\$ 986,000	\$ 730,000

RIM Shoreland Stabilization - \$350,000

Professional services	\$ 50,000
Contract	\$300,000
Total	\$350,000

In FY 99, the Aquatic Plant Restoration (APR) Program applied \$105,000 towards 22 cost-shared shoreline restoration projects located throughout the state (all were highly visible, demonstration projects predominantly on public lands).

B. Current and Future Spending:

The Section of Fisheries is currently using funds from the 1999 ETF to do shoreline stabilization on Lake Winnibigoshish (Itasca Co.) and Lac Qui Parle Lake (Lac Qui Parle Co.). The Metro Trout Stream Watershed Protection Initiative has currently spent \$300,000 on Brown's Creek (Washington Co.). These monies helped leverage \$2,145,425 from non-DNR sources for watershed protection and planning, and stream restoration.

Current and future spending by the Section of Fisheries will continue at approximately the past operating budget expenditures. A position has been converted and paid for from operating funds to continue the present oversight and coordination of the Metro Trout Stream and the Aquatic Plant Restoration programs.

C. Project Partners:

Habitat Corridors Partners are worked with whenever possible. Other partners include local units of government, other federal agencies, and local conservation and sport groups.

D. Time: Project would extend until June 30, 2004 to allow for sufficient time to design the projects and hire contractors and complete habitat improvement and restoration projects.

VII. Dissemination: Projects will be highlighted on the DNR web site.

VIII. Location

Work within the established corridors. Emphasis will be placed on southeast trout streams that have support from the Southeast Minnesota Trout Stream Advisory Group.

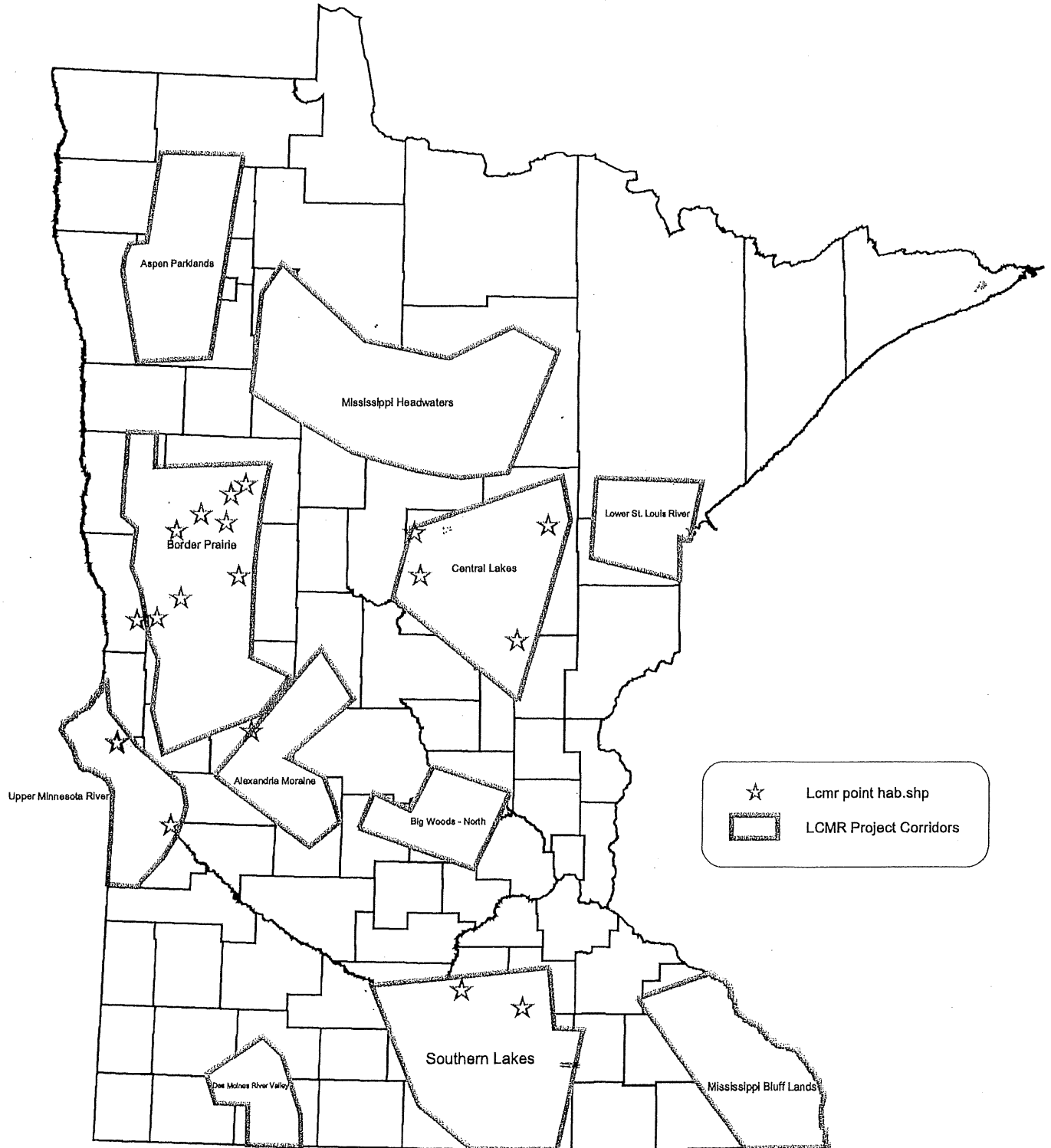
IX. Reporting requirements

Progress reports for this work program will be submitted to LCMR on May 31, 2002, November 30, 2002, March 30, 2003, and November 30, 2003. The final work program report will be submitted by June 30, 2004, or by the completion date as set in the appropriation.

Restoring MN Fish & Wildlife Habitat Corridors

Fisheries Habitat

Work Program Final Report - April 2004



ATTACHMENT A (include the attachment in all future update reports.) Use as many results as necessary. Landscaping on legal size paper to fit in all the columns may be helpful.

The commission will not allow office space rental fees or salary payments to officers or directors, this applies to ALL PROJECTS. See page 9 for Eligible and Ineligible expenses. GENERAL OTHER WILL NOT BE ACCEPTED. BE SPECIFIC AND USE AS MANY LINES AS NECESSARY.

Project Title: Corridors Project - Fisheries Habitat Improvement (April 2004 Final Report)

Project Number: 2H

LCMR Recommended Funding: \$250,000

Attachment A Deliverable Products and Related Budget									
2001 LCMR Project Biennial Budget									
	Result 1 Current invoice:	Result 2 Current Invoice:	Result 3 Current Invoice:	Result 4: Current Invoice	Result 5: Current Invoice	Result 6: Current Invoice	PROJECT TOTAL:		
Budget Item (Title of Result)	Border Prairie	Upper Minnesota	Signage	Prof. Services	Southern Lakes	Central Lakes	BUDGET TOTAL:	CURRENT INVOICE TOTAL:	BALANCE TOTAL:
Wages, salaries & benefits – Be specific on who is paid \$									
Contracts									
Professional/technical (with whom?)	0	0		0				0	
Other contracts (with whom?)	\$110,415	\$62,996			\$67,976	\$8,613	\$250,000	\$250,000	\$0
Space rental: NOT ALLOWED							X		
Maintenance									
Utilities									
Other direct operating costs (for what? – be specific)									
Printing									
Advertising									
Communications, telephone, mail, etc.									
Office Supplies (list specific categories)									
Other Supplies (list specific categories)				0			0	0	0

Local autom mileage paid									
Other travel expenses in Minnesota									
Travel outside Minnesota (where?)									
Tools and equipment (list categories)									
Office equipment & computers (be specific)									
Other Capital equipment (list specific items)									
Land acquisition									
Land rights acquisition (less than fee)									
Buildings (for what?)									
Other land improvement (for what?)									
Legal fees (for what?)									
COLUMN TOTAL	\$0	\$0	0	0			\$250,000	\$250,000	\$0

**Attachment B -- Habitat Corridors Partnership PHASE I -- Individual Work Program Summary
April 2004 Final Work Plan Report**

Activity (Eg: 2(a) Hides For Habitat)	Partner (Eg; MDHA)	LCMR Allocation	LCMR Expenditure	LCMR Balance	Proposed Accomplishments			Current LCMR Accomplishments			Other Funds Committed	Other Funds Expenditure	Other Funds Balance	Other Funds Acres	Other Funds Miles/ Shoreline	Other Funds Lakes Restored
					LCMR Acres	LCMR Miles/ Shoreline	LCMR Lakes Restored	LCMR Acres	LCMR Miles/ Shoreline	LCMR Lakes Restored						
2H - Fisheries Habitat Improvement and Restoration		\$250,000	\$250,000	\$0		18.00		3,534.00	22		\$212,008		3,373.00	16		

