

LCCMR Work Program Final Report
Restoring Minnesota's Fish and Wildlife Habitat Corridors Phase 4
Habitat Conservation Partnership

2H:Fish Habitat Restoration - MN DNR - Division of Fisheries

Project Manager: Linda Erickson-Eastwood **Fund:** Environment and Natural Resources Trust Fund
Affiliation: MN DNR - Division of Fisheries
Address: 500 Lafayette Rd.
 St. Paul, MN 55155 **Legal Citation:** ML 2007, Ch. 30, Sec. 2, Sub 4(b)
Phone: (651) 259-5206
Fax: (651) 297-4916
E-mail: linda.erickson-eastwood@dnr.state.mn.us

Total Biennial Project Budget

Result	ENTF Allocation	ENTF Funds Spent	ENTF Balance	Other Funds * Proposed	Other Funds * Spent
Restoration	\$280,000	\$280,000	\$0	\$0	\$19,945
Total	\$280,000	\$280,000	\$0	\$0	\$19,945

*Other Funds are classified as non-state, non-state leveraged dollars (if partner funds are leveraging State Funds (e.g. RIM) they are not eligible to be considered Other Funds). Please note, however, that this work program has spent the following amounts not shown in the above table:

State Funds: \$65,219.28
 Other: \$44,983.01

See the tables and funding type definitions at the end of this report for further explanation.

Work Program Summary

Overall Project Outcome and Results

This project resulted in a grand total of approximately 5,492 acres and 52,800 feet of shoreline of lake and stream habitat being restored, maintained, or opened up to fish movement. Environmental and Natural Resources Trust dollars (\$248,731) directly acquired all materials or contracted services for these projects. Donations of staff time and other value and cash ("other funds" \$19,944) and other state monies (\$65,219 state and \$44,983 other) leveraged with trust dollars provided a grand total of \$378,878. These contributions helped acquire the materials and labor needed to complete and design these habitat projects.

Project Results Use and Dissemination

This project complemented habitat efforts funded in the past with capital bonding, Trout Stamp, and Environmental Trust Fund dollars. The habitat work done in areas adjacent to lakes and streams ensured that critical riparian habitat areas within sensitive watersheds and headwater areas will be present. Many of the projects also resulted in providing access or restoring critical habitats by opening up or modifying dams or channels. Habitat efforts under this segment concentrated in the following project areas: 2) Mississippi Headwaters, 3) Border Prairie 4) Central Lakes, 5) St. Louis River 8) Big Woods, 9) Des Monies River Valley, and 11) Mississippi Blufflands. Work done will be added to DNR GIS layers being developed or maintained

LCCMR Work Program Final Report
Restoring Minnesota's Fish and Wildlife Habitat Corridors Phase 4
Habitat Conservation Partnership

2H:Fish Habitat Restoration - MN DNR - Division of Fisheries

Restoration Activities

Project Area - 2 - Mississippi Headwaters

Project Name: Battle Point Prescribed Burn Township: 143, Range: 29, Section: 36				
Activity: Shoreline Habitat Restoration / Stabilization				
Landtype: Public - Lake				
Description: Using native plants restored spawning and rearing habitat for bass, crappie, bluegill, and northern pike. Also corrected erosion problem to improve water quality and clarity. Worked with Sauk River Watershed, City of Osakis, Audubon Society, and MN Pollution Control Agency.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$23,421.00	0.29	516.39
Other	Restoration	\$15,000.00	0.19	330.72
Other Funds	Restoration	\$6,000.00	0.08	132.29
State Funds	Restoration	\$934.00	0.01	20.59
Battle Point Prescribed Burn Total		\$45,355.00	0.57	1,000.00
Project Name: Turtle Lake Tract: Frahm Township: 59, Range: 26, Section: 5				
Activity: Shoreline Habitat Restoration / Stabilization				
Landtype: Public - Lake				
Description: In cooperation with the Turtle Lake Association, Itasca County Land Department, and US Forest Service, we surveyed areas for the identification of invasive species. We then treated the areas, primarily purple loosestrife, by hand pulling, chemical treatment, and biological control (released beetles).				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$4,921.64	2,066.00	0.00
Project Name: Three Island Lake Township: 141, Range: 28, Section: 7				
Activity: Dam Modification				
Landtype: Public - River				
Description: Installed four rock wier/step pools to allow fish passage. Passage was restored between Turtle River and Three Island Lake.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$8,750.00	1,313.14	0.00
State Funds	Restoration	\$7,342.17	1,101.86	0.00
Three Island Lake Total		\$16,092.17	2,415.00	0.00
Project Name: Hartley Lake Outlet Township: 59, Range: 23, Section: 32				
Activity: Site / Access Development				
Landtype: Public - Lake				
Description: This is a two phase project. This phase was used to contract out the survey and design work to improve the site for fish passage. Phase 5 monies will be used to implement the project.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$6,000.00	0.00	0.00

LCCMR Work Program Final Report
Restoring Minnesota's Fish and Wildlife Habitat Corridors Phase 4
Habitat Conservation Partnership

2H:Fish Habitat Restoration - MN DNR - Division of Fisheries

Project Name: Necktie River Township: 145, Range: 32, Section: 7				
Activity: Dam Modification				
Landtype: Public - River				
Description: Contracted local person to remove beaver and their dams so that flow and fish passage were restored.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$2,400.00	0.00	20,064.00
Project Name: Bungoshing Creek Township: 145, Range: 32, Section: 29				
Activity: Dam Modification				
Landtype: Public - River				
Description: Contracted with USDA-APHIS to remove beaver and their dams to maintain fish passage on 1.1 miles of stream for trout.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$2,000.00	0.00	5,800.00

Project Area - 3 - Border Prairie

Project Name: Block Lake Township: 131, Range: 38, Section: 17				
Activity: Dam Modification				
Landtype: Public - Lake				
Description: A failing dam was repaired so that the Block Lake impoundment would be maintained.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$3,196.07	56.79	0.00
State Funds	Restoration	\$11,606.50	206.21	0.00
Block Lake Total		\$14,802.57	263.00	0.00
Project Name: Deadhorse Creek Township: 138, Range: 38, Section: 4				
Activity: Dam Modification				
Landtype: Public - River				
Description: Contracted with USDA- APHIs to remove dams and beavers from the easement and river to maintain fish passage on four miles of trout stream.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$2,048.00	0.00	21,120.00

Project Area - 4 - Central Lakes

Project Name: Stoney Brook Township: 135, Range: 29, Section: 8				
Activity: Shoreline Habitat Restoration / Stabilization				
Landtype: Public - River				
Description: An MCC crew was contracted for three weeks to work on 52 different sites. Work was completed on stabilizing eroding banks, removing rebar and wire fencing, refurbishing overhead bank cover, and removing nonfunctional habitat structures.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$7,900.00	0.00	0.00

Project Area - 5 - Lower St. Louis River

LCCMR Work Program Final Report
Restoring Minnesota's Fish and Wildlife Habitat Corridors Phase 4
Habitat Conservation Partnership

2H:Fish Habitat Restoration - MN DNR - Division of Fisheries

Project Name: Blackhoof River Township: 48, Range: 17, Section: 31				
Activity: Dam Modification				
Landtype: Public - River				
Description: This was a contract to remove beaver dams on coldwater streams. 19.5 miles of stream were surveyed and dams removed to allow access to spawning and rearing habitat for rainbow and brown trout.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$1,038.45	0.00	0.00
Project Name: Little Knife Township: 52, Range: 12, Section: 36				
Activity: Dam Modification				
Landtype: Public - River				
Description: The old footings and retaining wall from the fish trap were removed. The stream bank was sloped and planted with native plants and the natural stream bed was restored.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$2,630.00	0.00	100.00
Project Name: Miller Creek Township: 50, Range: 14, Section: 6				
Activity: Dam Modification				
Landtype: Public - River				
Description: Contract with USDA Wildlife Services to remove beaver dams on trout waters. 9.5 miles were surveyed and dams removed to improve water temperature and to provide access for brook trout to spawning and rearing habitat.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$619.49	0.00	0.00
Project Name: Talmadge River Township: 51, Range: 13, Section: 24				
Activity: Site / Access Development				
Landtype: Private - Lake				
Description: This is a two phase project to provide better fish passage along the river. Currently Ellen River Patners has been contracted to develop the plans for the needed fish passage project. Phase 5 monies will be used to install the passage.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$2,950.70	0.00	0.00

Project Area - 7 - Alexandria Moraine

Project Name: Middle Fork, Crow River, Kandiyohi County Township: 0, Range: 0, Section: 0				
Activity: Shoreline Habitat Restoration / Stabilization				
Landtype: Public - Lake				
Description: Contracted with Reiner Contracting to stabilize shoreline with riprap to prevent it from washing out.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$10,678.00	0.00	300.00

LCCMR Work Program Final Report
Restoring Minnesota's Fish and Wildlife Habitat Corridors Phase 4
Habitat Conservation Partnership

2H:Fish Habitat Restoration - MN DNR - Division of Fisheries

Project Name: Lake Florida Township: 121, Range: 35, Section: 34				
Activity: Dam Modification				
Landtype: Public - Lake				
Description: Made modifications to the trap to prevent unwanted fish entering the system.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$9,097.67	0.00	0.00

Project Area - 8 - Big Woods North

Project Name: North Fork of the Crow Township: 121, Range: 32, Section: 24				
Activity: Shoreline Habitat Restoration / Stabilization				
Landtype: Public - Lake				
Description: Contracted labor with Centra Sota to spray weeds and prep the site for planting. Contracted Habitat Forever to seed the area with native prairie mixture.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$2,508.51	16.70	0.00

Project Area - 9 - Des Moines River Valley

Project Name: Fulda Lake Township: 105, Range: 40, Section: 36				
Activity: Dam Modification				
Landtype: Public - Lake				
Description: Worked with Murray County, city of Fulda, North Heron Lake Game Producers, Fulda Fish and Game Club, Heron Lake Watershed, Duck Unlimited, and the Peterson family on this project. The project included a drawdown and installation of fish barrier to keep unwanted fish from migrating up the Hwy 59 culvert into the lake.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$36,000.00	125.13	0.00
Other Funds	Restoration	\$10,500.00	36.50	0.00
State Funds	Restoration	\$5,000.00	17.38	0.00
Fulda Lake Total		\$51,500.00	179.00	0.00
Project Name: E & W Twin Lake Township: 109, Range: 43, Section: 29				
Activity: Lake Aeration				
Landtype: Public - Lake				
Description: Worked with the Balaton Sportsman Club to pay for and install an aeration system to prevent winter kill. The sports group will maintain and operate the system under a state agreement.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$3,000.00	240.66	0.00
Other Funds	Restoration	\$3,444.69	276.34	0.00
E & W Twin Lake Total		\$6,444.69	517.00	0.00

LCCMR Work Program Final Report
Restoring Minnesota's Fish and Wildlife Habitat Corridors Phase 4
Habitat Conservation Partnership

2H:Fish Habitat Restoration - MN DNR - Division of Fisheries

Project Name:	Stay Lake AMA Township: 111, Range: 44, Section: 29			
Activity:	Grassland Restoration			
Landtype:	Public - Lake			
Description:	Contracted labor to plant a diverse local mixture of native prairie grasses			
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$2,450.48	16.70	0.00

Project Area - 11 - Mississippi Bluff Lands

Project Name:	Trout Run Township: 104, Range: 10, Section: 8			
Activity:	Dam Modification			
Landtype:	Public - River			
Description:	This is the installation of a rock wier to act as a brown trout fish barrier. This is part of the Coolridge Creek project to limit movement of brown trout into an area where native brook trout are found. Recovery of the brook trout will be studied.			
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$35,000.00	0.70	0.00
Other	Restoration	\$15,000.00	0.30	0.00
Dam Modification Total		\$50,000.00	1.00	0.00
Activity:	Shoreline Habitat Restoration / Stabilization			
Landtype:	Public - River			
Description:	This project was done in cooperation with Trout Unlimited Dare; Hiawatha, Twin cities, and Win-cres local chapters of trout unlimited. and MN Trout Association. Trout habitat and stream modifications were done on Trout Run creek.			
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$23,007.00	3.94	1,271.77
Other	Restoration	\$14,983.00	2.56	828.23
Shoreline Habitat Restoration / Stabilization Total		\$37,990.00	6.50	2,100.00
Trout Run Total		\$87,990.00	7.50	2,100.00

Project Name:	Pickwick Creek Township: 106, Range: 6, Section: 23			
Activity:	Shoreline Habitat Restoration / Stabilization			
Landtype:	Public - River			
Description:	This project was done in cooperation with WinCres Trout Unlimited Chapter and Winona County NRCS. The project stabilized a severely eroded bank with re-seeding with native vegetation cover type. Trout habitat structures were also installed.			
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$53,893.00	6.26	1,313.79
State Funds	Restoration	\$32,251.00	3.74	786.21
Pickwick Creek Total		\$86,144.00	10.00	2,100.00

LCCMR Work Program Final Report
Restoring Minnesota's Fish and Wildlife Habitat Corridors Phase 4
Habitat Conservation Partnership

2H:Fish Habitat Restoration - MN DNR - Division of Fisheries

Project Name:	Coolridge Creek Township: 105, Range: 5, Section: 26
Activity:	Dam Modification
Landtype:	Public - River
Description:	This project is to install a rock wier as a barrier to brown trout fish movement into the upper portion of Coolridge Creek. Brown trout appear to be outcompeting the native brook trout for critical habiat. By eliminating the movement of brown trout, we will then study how the brook trout population responds.

<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$1,842.06	0.27	80.77
State Funds	Restoration	\$5,000.00	0.73	219.23
Coolridge Creek Total		\$6,842.06	1.00	300.00

Project Name:	Winnebago Cree Township: 101, Range: 5, Section: 15
Activity:	Shoreline Habitat Restoration / Stabilization
Landtype:	Public - River
Description:	A channel restoration and trout habitat installation project was to be done. Due to the 2008 floods, this project will not be able to be done until fiscal year 2010. Consequently, the funding for this project was shifted to the Pickwick Creek project.

<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
Other	Restoration	\$0.01	0.00	0.00

Project Area - 3-7-8 - Border Prairie Transition Zone

Project Name:	Lawndale Creek Township: 135, Range: 45, Section: 6
Activity:	Site / Access Development
Landtype:	Public - River
Description:	Constructed rock weirs near cluvert to ensure fish passage. Opened up 2.5 miles of stream to the fish.

<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$3,378.93	0.00	0.00
State Funds	Restoration	\$3,085.61	0.00	0.00
Lawndale Creek Total		\$6,464.54	0.00	0.00

Restoration Project Totals (By Funding Type)

Funding Type	Funding Amount	Acres	Shoreline Feet
ENTF:	\$248,731.00	3,846.57	50,566.73
Other Funds:	\$19,944.69	312.91	132.29
State Funds:	\$65,219.28	1,329.94	1,026.03
Other:	\$44,983.01	3.05	1,158.95
Total:	\$378,877.98	5,492.47	52,884.00

LCCMR Work Program Final Report
Restoring Minnesota's Fish and Wildlife Habitat Corridors Phase 4
Habitat Conservation Partnership

2H:Fish Habitat Restoration - MN DNR - Division of Fisheries

Work Program Expenditures - Not Attributable to Specific Projects

<i>FundingType</i>	<i>Category</i>	<i>Amount</i>	<i>Description</i>
ENTF	Professional Services	\$31,269.00	For engineering and design work.
Total:		\$31,269.00	

Work Program Expenditures (Not Attributable to Specific Projects) By Funding Type

Funding Type	Amount
ENTF	\$31,269.00
Total	\$31,269.00

Work Program Expenditures Breakdown

Funding Type:	Restoration Projects	Not Attributable to Specific Projects	Total
ENTF	\$248,731.00	\$31,269.00	\$280,000.00
Other Funds	\$19,944.69	\$0.00	\$19,944.69
State Funds	\$0.00	\$0.00	\$65,219.28
Other	\$44,983.01	\$0.00	\$44,983.01
Total	\$378,877.98	\$31,269.00	\$410,146.98

Funding Type Definitions

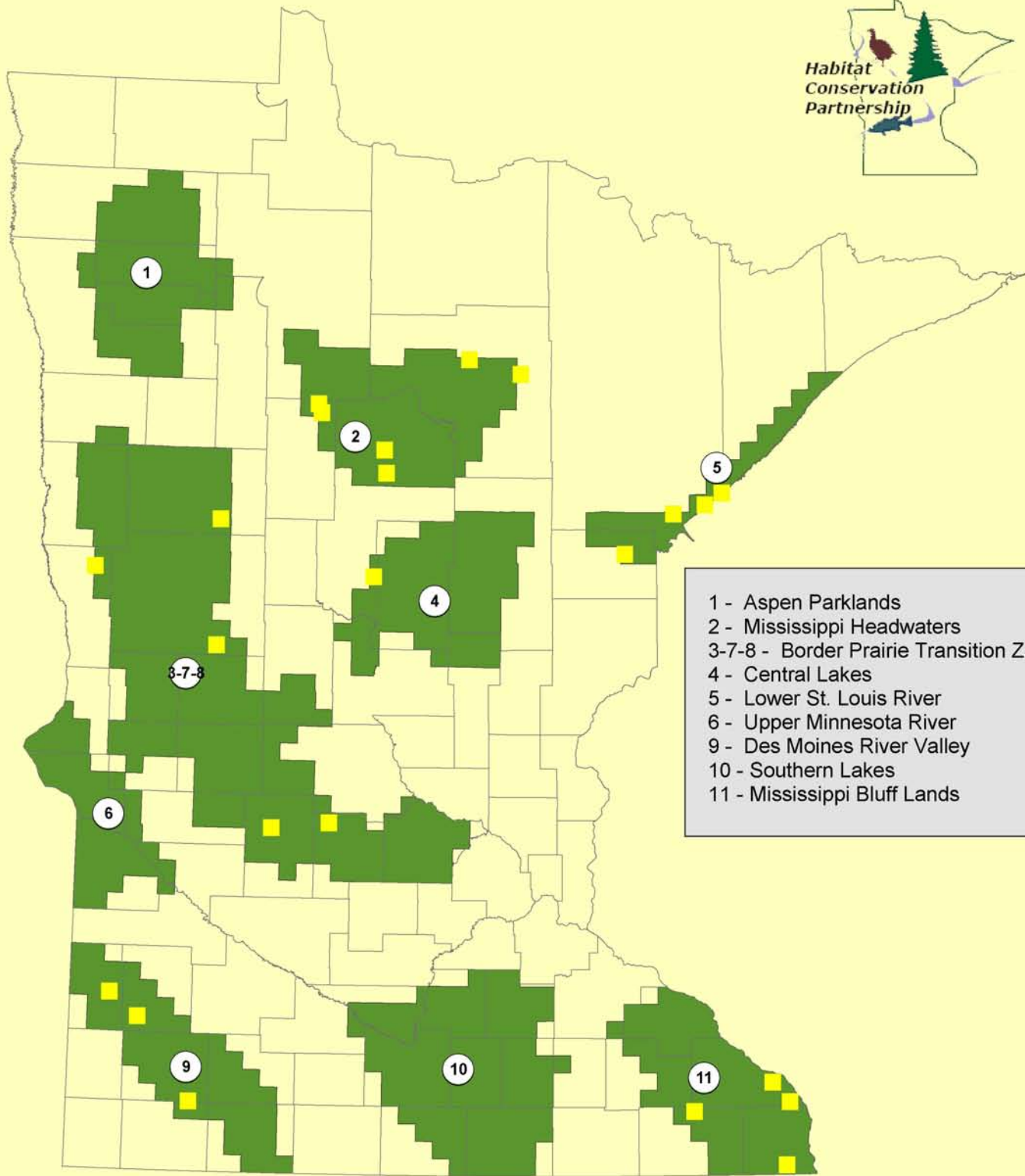
ENTF:	Grant dollars provided through the Minnesota Environment and Natural Resources Trust Fund
Other Funds:	Non-state, non-state leveraged dollars (if partner funds are leveraging State Funds (e.g. RIM) they are not eligible to be considered Other Funds)
State Funds:	State Funds expended on HCP projects (not eligible for use as Other Funds commitment)
Partner's State Leveraged Funds:	Non State Funds that have leveraged State Funds as part of an HCP project (not eligible for use as Other Funds commitment)
Other:	Any other expenditures (e.g. grant income funds)

Attachment A: Budget Detail for 2007 Projects
Proposal Title: Fish and Wildlife Habitat Restoration 2h
Project Manager Name: Linda Erickson-Eastwood
LCMR Requested Dollars: \$ 280,000

2007 LCCMR Proposal Budget (8/04 version)	<u>Result 1 Budget:</u>	Amount Spent	Balance	
BUDGET ITEM	<i>Habitat Projects</i>			TOTAL FOR BUDGET ITEM
Contracts				
Professional/technical				
Other contracts: For materials, equipment and other project implementation costs.	\$205,000.00	\$248,280.00	\$0.00	\$248,280.00
Other land improvement (for what?) Signage of parcel, clean-up, building removal, etc.	\$25,000.00	\$0.00	\$0.00	\$0.00
Other (Describe the activity and cost) Costs include those incurred by the state for staff time for the Division of Lands and Minerals and the Attorney General's Office, survey costs and engineering design costs.	\$50,000.00	\$31,720.00	\$0.00	\$31,720.00
COLUMN TOTAL	\$280,000.00	\$280,000.00	\$0.00	\$280,000.00

Habitat Conservation Partnership Phase 4 - Accomplishments

2H - Fish Habitat Restoration - MN DNR - Division of Fisheries



- 1 - Aspen Parklands
- 2 - Mississippi Headwaters
- 3-7-8 - Border Prairie Transition Zone
- 4 - Central Lakes
- 5 - Lower St. Louis River
- 6 - Upper Minnesota River
- 9 - Des Moines River Valley
- 10 - Southern Lakes
- 11 - Mississippi Bluff Lands

■ Restorations	■ Easements	■ Acquisitions
--	---	---