

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

**2J:Lakescaping - MN DNR - Division of Ecological Services**

**Project Manager:** Carrol Henderson **Fund:** Environment and Natural Resources Trust Fund  
**Affiliation:** MN DNR - Division of Ecological Services  
**Address:** 500 Lafayette Rd.  
 St. Paul, MN 55155 **Legal Citation:** ML 2007, Ch. 30, Sec. 2, Sub 4(b)  
**Phone:** (651) 259-5104  
**Fax:** (651) 297-4961  
**E-mail:** carrol.henderson@dnr.state.mn.us

**Total Biennial Project Budget**

Result	ENTF Allocation	ENTF Funds Spent	ENTF Balance	Other Funds * Proposed	Other Funds * Spent
Restoration	\$100,000	\$100,000	\$0	\$5,000	\$0
<b>Total</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$5,000</b>	<b>\$0</b>

\*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: \$20,830.00  
 Partners State Leveraged Funds: \$7,000.00

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

**Work Program Summary**

**Overall Project Outcome and Results**

Please Input a Overall Project Outcome and Results: A total of 12 lakescaping demonstration site buffer zones were selected on private lands, and DNR staff worked with the homeowners on a cost-sharing basis to develop a plan for their property that would stabilize the shoreline, improve wildlife habitat, enhance associated water quality and reduce runoff. Plantings were installed in 2007, 2008, and spring and early summer of 2009. These 12 plantings included a total of 1675 feet of shoreline and are serving as a model for adjacent lake owners and lake association members who can see that this is a cost-effective, ecologically sound, and desirable landscaping treatment for shoreline property. Two field trips were also carried out for local citizens to view demonstration sites in the Brainerd and Detroit Lakes areas.

**Project Results Use and Dissemination**

Please Input a Project Results Use and Dissemination: The key to the success of the lakescaping demonstration areas is that they serve as a catalyst to stimulate discussion and involvement with lakeshore management to improve water quality at the homeowner's level. There are concurrent benefits for fisheries and wildlife habitat and educational opportunities to show homeowners that there are economical, ecologically sound, and esthetically pleasing strategies for managing lakeshore property that are in stark contrast to the "lawn all the way to the lawn" vision that lakeshore owners have often adopted in the past. The creation of the lakescaping demonstration areas are used to promote lake health and water quality in conjunction with companion support materials like the DNR book "Lakescaping for Wildlife and Water Quality" and the "Restore Your Shore" CD. A total of 24,514 copies of the Lakescaping book have been sold since it came out in 1997, so the public acceptance of the lakescaping buffer zone concept is increasing. By providing actual sites where these buffer zones have been installed as demonstration sites, it helps reassure homeowners that such landscaping does not look like a messy patch of weeds and that it will not cause an increase in mosquito problems.

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

**2J:Lakescaping - MN DNR - Division of Ecological Services**

**Restoration Activities**

Project Area - 1 - Aspen Parklands

<b>Project Name:</b> Lakescaping field trip Township: 135, Range: 29, Section: 15				
<b>Activity:</b> Outreach				
<b>Landtype:</b> Private - Lake				
<b>Description:</b> A field trip for the public and interested members of the DNR and PCA was conducted on October 30, 2008, in the Brainerd area at Gilbert Lake, Perch Lake, and Nisswa Lake to visit the lakescaping demonstration sites that had been installed on those lakes. A total of 20 people attended. A field trip was also held on June 16 at Detroit Lakes for a total of 22 people to view four different lakescaping sites.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$500.00	0.00	0.00
State Funds	Personnel Expenditures	\$250.00	0.00	0.00
<b>Lakescaping field trip Total</b>		<b>\$750.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Project Name:</b> Middle Cormorant Township: 138, Range: 43, Section: 22				
<b>Activity:</b> Shoreline Habitat Restoration / Stabilization				
<b>Landtype:</b> Private - Lake				
<b>Description:</b> This lakescaping buffer zone site has been planned and the plants and bioengineering materials acquired. Installation planned for Jun3 1-5, 2009.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$13,400.00	1.00	480.00
State Funds	Personnel Expenditures	\$1,715.00	0.00	0.00
<b>Middle Cormorant Total</b>		<b>\$15,115.00</b>	<b>1.00</b>	<b>480.00</b>
<b>Project Name:</b> Lower Cullen <b>Tract:</b> 1 Township: 135, Range: 29, Section: 1				
<b>Activity:</b> Shoreline Habitat Restoration / Stabilization				
<b>Landtype:</b> Private - Lake				
<b>Description:</b> This restoration will take place along 100 feet of shoreline and will be adjacent to another property that is also undergoing a lakescaping restoration. All site planning and design is completed, and native plants and bioengineering materials have been acquired. Installation will occur the week of June 10, 2009.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$9,045.00	1.00	100.00
State Funds	Personnel Expenditures	\$1,715.00	0.00	0.00
<b>Lower Cullen 1 Total</b>		<b>\$10,760.00</b>	<b>1.00</b>	<b>100.00</b>

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

**2J:Lakescaping - MN DNR - Division of Ecological Services**

<b>Project Name:</b>	Lower Cullen
<b>Tract:</b>	2 Township: 135, Range: 29, Section: 1
<b>Activity:</b>	Shoreline Habitat Restoration / Stabilization
<b>Landtype:</b>	Private - Lake
<b>Description:</b>	This property is adjacent to site 1 which is also being restored. All planning, design, acquisition of native plants and bioengineering supplies have been purchases. Installation will occur on June 10-11.

<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$9,445.00	1.00	100.00
State Funds	Personnel Expenditures	\$1,715.00	0.00	0.00
<b>Lower Cullen 2 Total</b>		<b>\$11,160.00</b>	<b>1.00</b>	<b>100.00</b>

<b>Project Name:</b>	Lake Andrew
<b>Tract:</b>	2 Township: 121, Range: 35, Section: 12
<b>Activity:</b>	Shoreline Habitat Restoration / Stabilization
<b>Landtype:</b>	Private - Lake
<b>Description:</b>	This site has been planned and designed. The native plants and bioengineering materials have already been purchased. The site will be installed during the week of May 20, 2009.

<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$6,775.00	1.00	100.00
State Funds	Personnel Expenditures	\$1,715.00	0.00	0.00
<b>Lake Andrew 2 Total</b>		<b>\$8,490.00</b>	<b>1.00</b>	<b>100.00</b>

<b>Project Name:</b>	Pelican Lake
	Township: 130, Range: 41, Section: 22
<b>Activity:</b>	Shoreline Habitat Restoration / Stabilization
<b>Landtype:</b>	Private - Lake
<b>Description:</b>	Lakeshore restoration on this site planned and designed; native plants have been purchased and bioengineering material are purchased. Site installation on June 11-13, 2009.

<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$6,500.00	1.00	100.00
State Funds	Personnel Expenditures	\$1,715.00	0.00	0.00
<b>Pelican Lake Total</b>		<b>\$8,215.00</b>	<b>1.00</b>	<b>100.00</b>

Project Area - 4 - Central Lakes

<b>Project Name:</b>	Niswaa Lake, Crow Wing County
	Township: 135, Range: 29, Section: 15
<b>Activity:</b>	Shoreline Habitat Restoration / Stabilization
<b>Landtype:</b>	Private - Lake
<b>Description:</b>	A total of 135 feet of shoreline was restored on this site with native plants.

<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$9,045.00	0.00	135.00
Partners State Leveraged Funds	Site Development	\$1,000.00	0.00	0.00
State Funds	Personnel Expenditures	\$1,715.00	0.00	0.00
<b>Niswaa Lake, Crow Wing County Total</b>		<b>\$11,760.00</b>	<b>0.00</b>	<b>135.00</b>

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

**2J:Lakescaping - MN DNR - Division of Ecological Services**

<b>Project Name:</b>	Lower Whitefish Lake
<b>Tract:</b>	1 Township: 137, Range: 27, Section: 29
<b>Activity:</b>	Shoreline Habitat Restoration / Stabilization
<b>Landtype:</b>	Private - Lake
<b>Description:</b>	A total of 200 feet of shoreline was restored on this site with native plants.

<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$13,400.00	0.00	200.00
Partners State Leveraged Funds	Site Development	\$1,000.00	0.00	0.00
State Funds	Personnel Expenditures	\$1,715.00	0.00	0.00
<b>Lower Whitefish Lake 1 Total</b>		<b>\$16,115.00</b>	<b>0.00</b>	<b>200.00</b>

<b>Project Name:</b>	Sibley Lake
<b>Tract:</b>	1 Township: 136, Range: 29, Section: 15
<b>Activity:</b>	Shoreline Habitat Restoration / Stabilization
<b>Landtype:</b>	Private - Lake
<b>Description:</b>	A total of 75 feet of shoreline was restored using native plants.

<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$5,025.00	0.00	75.00
Partners State Leveraged Funds	Site Development	\$1,000.00	0.00	0.00
State Funds	Personnel Expenditures	\$1,715.00	0.00	0.00
<b>Sibley Lake 1 Total</b>		<b>\$7,740.00</b>	<b>0.00</b>	<b>75.00</b>

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

<b>Project Name:</b>	Charlotte Lake
<b>Tract:</b>	1 Township: 125, Range: 41, Section: 24
<b>Activity:</b>	Shoreline Habitat Restoration / Stabilization
<b>Landtype:</b>	Private - Lake
<b>Description:</b>	A total of 80 feet of shoreline was planted with native plants to create a buffer zone.

<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$5,360.00	0.00	80.00
Partners State Leveraged Funds	Site Development	\$1,000.00	0.00	0.00
State Funds	Personnel Expenditures	\$1,715.00	0.00	0.00
<b>Charlotte Lake 1 Total</b>		<b>\$8,075.00</b>	<b>0.00</b>	<b>80.00</b>

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

**2J:Lakescaping - MN DNR - Division of Ecological Services**

<b>Project Name:</b> Round Lake				
<b>Tract:</b> 1 Township: 135, Range: 39, Section: 22				
<b>Activity:</b> Shoreline Habitat Restoration / Stabilization				
<b>Landtype:</b> Private - Lake				
<b>Description:</b> A total of 120 feet of shoreline was restored with native plants.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$8,040.00	0.00	120.00
Partners State Leveraged Funds	Site Development	\$1,000.00	0.00	0.00
State Funds	Personnel Expenditures	\$1,715.00	0.00	0.00
<b>Round Lake 1 Total</b>		<b>\$10,755.00</b>	<b>0.00</b>	<b>120.00</b>
<b>Project Name:</b> Lake Jennie				
<b>Tract:</b> 1 Township: 118, Range: 29, Section: 29				
<b>Activity:</b> Shoreline Habitat Restoration / Stabilization				
<b>Landtype:</b> Private - Lake				
<b>Description:</b> A total of 120 feet of shoreline was restored using local origin native plants.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$8,440.00	0.00	120.00
Partners State Leveraged Funds	Site Development	\$1,000.00	0.00	0.00
State Funds	Personnel Expenditures	\$1,715.00	0.00	0.00
<b>Lake Jennie 1 Total</b>		<b>\$11,155.00</b>	<b>0.00</b>	<b>120.00</b>
<b>Project Name:</b> Lower Hay Lake				
<b>Tract:</b> 1 Township: 137, Range: 29, Section: 13				
<b>Activity:</b> Shoreline Habitat Restoration / Stabilization				
<b>Landtype:</b> Private - Lake				
<b>Description:</b> A total of 75 feet of shoreline was planted with local origin native plants to create a buffer zone.				
<i>Funding Type</i>	<i>Funds Use</i>	<i>Funding Amount</i>	<i>Prorated Acres</i>	<i>Prorated Shoreline</i>
ENTF	Restoration	\$5,025.00	0.00	75.00
Partners State Leveraged Funds	Site Development	\$1,000.00	0.00	0.00
State Funds	Personnel Expenditures	\$1,715.00	0.00	0.00
<b>Lower Hay Lake 1 Total</b>		<b>\$7,740.00</b>	<b>0.00</b>	<b>75.00</b>

**Restoration Project Totals (By Funding Type)**

<b>Funding Type</b>	<b>Funding Amount</b>	<b>Acres</b>	<b>Shoreline Feet</b>
ENTF:	\$100,000.00	5.00	1,685.00
Partner's State Leveraged Funds	\$7,000.00	0.00	0.00
State Funds:	\$20,830.00	0.00	0.00
<b>Total:</b>	<b>\$127,830.00</b>	<b>5.00</b>	<b>1,685.00</b>

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

**2J:Lakescaping - MN DNR - Division of Ecological Services**

**Funding Type Definitions**

<b>ENTF:</b>	Grant dollars provided through the Minnesota Environment and Natural Resources Trust Fund
<b>Other Funds:</b>	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)
<b>State Funds:</b>	State Funds expended on HCP projects (not eligible for use as Other Funds commitment)
<b>Partner's State Leveraged Funds:</b>	Non State Funds that have leveraged State Funds as part of an HCP project (not eligible for use as Other Funds commitment)
<b>Other:</b>	Any other expenditures (e.g. grant income funds)

**Attachment A: Budget Detail for 2007 Projects**

Project Title: Lakescaping for Wildlife and Water Quality, 2(j)

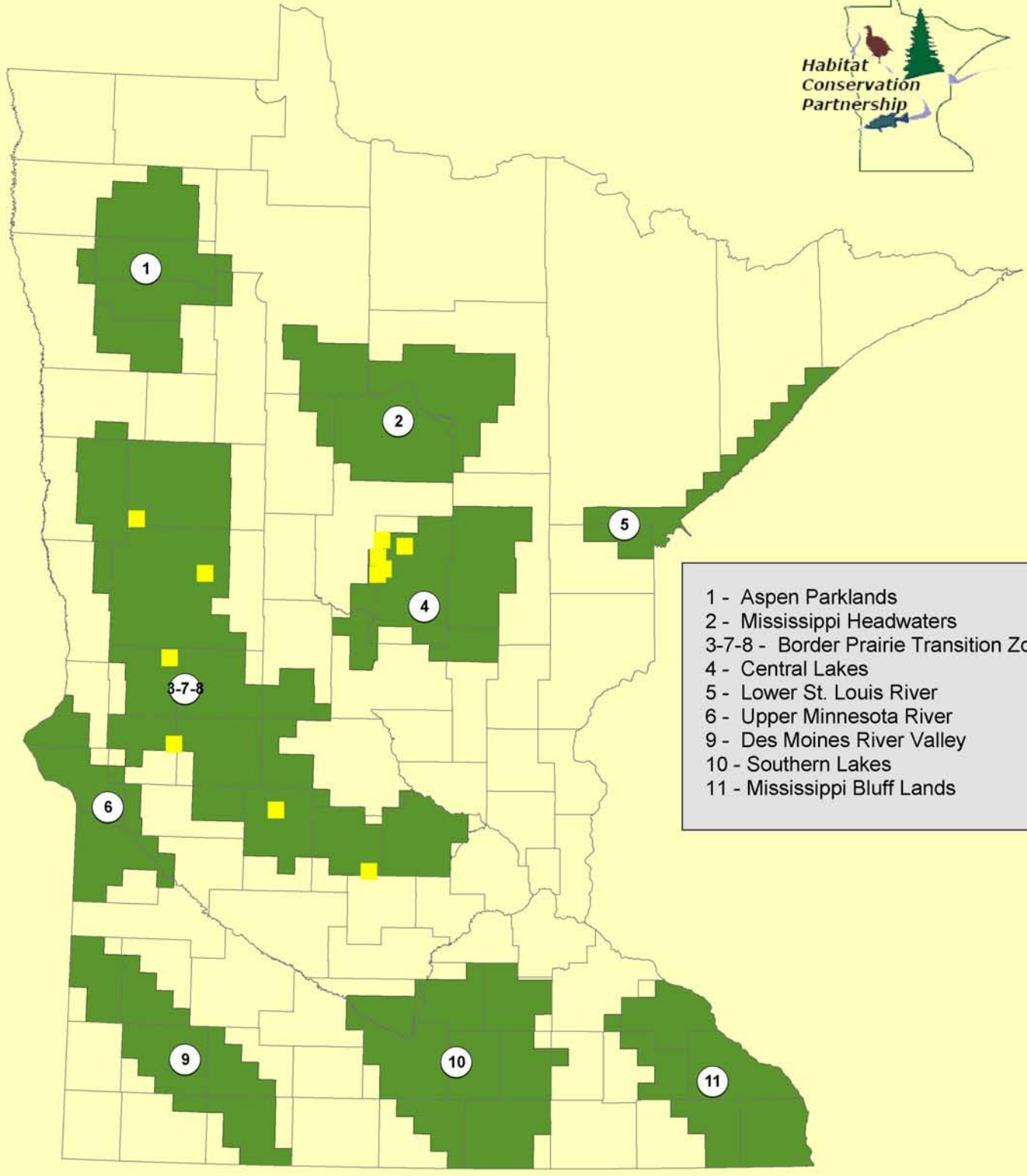
Project Manager: Carrol L. Henderson

Trust Fund Appropriation: \$100,000

2007 Trust Fund Budget	<u>Result 1 Budget:</u>	Amount Spent	Balance	<u>Result 2 Budget:</u>	Amount Spent	Balance	TOTAL BUDGET	Amount spent	TOTAL BALANCE
BUDGET ITEM	Demo sites			Field Trip					
PERSONNEL: Fisheries tech, at \$59,000; 2 nongame wildlife techs at \$5,500 each.	\$50,000	\$50,700	-\$700	\$0	\$0	\$0	\$50,000	\$50,700	-\$700
Equipment / Tools								\$0	
Supplies: (Plants/bioengineering/food for volunteers)	\$36,500	\$36,500	\$0	\$500	\$500	\$0	\$37,000	\$37,000	\$0
Travel expenses in Minnesota	\$13,000	\$12,300	\$700	\$0	\$0	\$0	\$13,000	\$12,300	\$700
<b>COLUMN TOTAL</b>	<b>\$99,500</b>	<b>\$99,500</b>	<b>\$0</b>	<b>\$500</b>	<b>\$500</b>	<b>\$0</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$0</b>

# Habitat Conservation Partnership Phase 4 - Accomplishments

2J - Lakescaping - MN DNR - Division of Ecological Services



- 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