## Restoring Minnesota's Fish and Wildlife Habitat Corridors Phase 4 Habitat Conservation Partnership

2E2:Shallow Lake and Impoundment Management - Leech Lake Band of Ojibwe

Project Manager: John Ringle Fund: Environment and Natural Resources Trust

Affiliation: Leech Lake Band of Oiibwe

Address: 6530 HWY 2 NW

Cass Lake, MN 56633 **Legal Citation:** ML 2007, Ch. 30, Sec. 2, Sub 4(b)

Phone: (218)335-7400 Fax: (218)335-7430

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Total Biennial Project Budget							
Result	ENTF Allocation	ENTF Funds Spent	ENTF Balance	Other Funds * Proposed	Other Funds * Spent		
Restoration	\$30,000	\$30,000	\$0	\$145,000	\$41,036		
Total	\$30,000	\$30,000	\$0	\$145,000	\$41,036		

<sup>\*</sup>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:

Other: \$2,300.00

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

## **Work Program Summary**

#### **Overall Project Outcome and Results**

The goal of our portion of the Habitat Corridors Partnership was to improve habitat for nesting and foraging waterfowl within the boundaries of the Leech Lake Reservation. Enhancements on sedge meadow wetlands were conducted by utilizing prescribed burns on 80 acres of tribal management area and 2700 acres of National Forest Lands along the Leech Lake River. We maintained water levels on 18 managed forested impoundments for wildlife enhancement benefits including a summer drawdown on two of them to enhance productivity. Additionally, water level on three natural lakes was managed for the benefit of wild rice production and to reduce timber flooding issues. On nearly every water body we managed under this project, beaver dams and debris were cleared either by hand or by blasting. We checked, maintained and numbered 217 mapped waterfowl nesting boxes. Because the cost of wild rice seed stock doubled this year, we were only able to re-seed 106 high quality acres, but feel confident these acres will produce a viable rice stand next season.

We were able to complete 2.23 miles of forest road decommissioning work, restoring natural hydrology to the site which is in the Leech Lake watershed. Reduction of forest fragmentation and site re-vegetation will help the status of many interior forest species including the grey wolf, bald eagle, and improve impaired habitat of several important native plants including ferns of the genus Botrychium. Water quality improvement in the watershed should also be a result of wetland road decommissioning.

#### **Project Results Use and Dissemination**

In August of 2008, the LCCMR members and staff took a field tour of Leech Lake and viewed firsthand and discussed our Habitat Corridors Partnership projects. We were able to utilize our HCP project funding to leverage a \$120,000 Tribal Landowner Incentive Program grant from the US Fish and Wildlife Service and will be able to continue our road decommissioning work into the future. Again as in previous years, the projects have been presented at the 21st Annual Great Lakes Regional meeting of the Native American Fish and Wildlife Society, held on our Reservation this year.

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## Restoring Minnesota's Fish and Wildlife Habitat Corridors Phase 4 Habitat Conservation Partnership

#### 2E2:Shallow Lake and Impoundment Management - Leech Lake Band of Ojibwe

### **Restoration Activities**

Project Area - 2 - Mississippi Headwaters

Project Name: Rice Lake

Township: 142, Range: 30, Section: 20

Activity: Wetland Enhancement

Landtype: Tribal - Lake

**Description:** Additional wild rice as seeded in Rice Lake.

Funding Type	Funds Use	Funding Amount	Prorated Acres	Prorated Shoreline
ENTF	Restoration	\$2,000.00	77.00	0.00
Other	Site Development	\$2,300.00	0.00	0.00
Rice Lake Total		\$4,300,00	77.00	0.00

Project Name: Cub Lake Impoundment

Township: 146, Range: 29, Section: 20

Activity: Wetland Restoration

Landtype: Tribal - Lake

**Description:** Beaver material revoval from water control and general maintenance were conducted on Cub

Impoundment to enhance its value for waterfowl.

Funding Type	Funds Use	Funding Amount	Prorated Acres	Prorated Shoreline
ENTF	Restoration	\$500.00	0.00	0.00
ENTF	Restoration	\$224.00	0.00	0.00
ENTF	Site Development	\$500.00	0.00	0.00
Other Funds	Restoration	\$1,000.00	0.00	0.00
Other Funds	Site Development	\$498.00	0.00	0.00
Wetland Restoration Total		\$2,722.00	0.00	0.00
Cub Lake Impoundment	Гotal	\$2,722.00	0.00	0.00

Project Name: Bag Impoundment

Township: 141, Range: 30, Section: 17

Activity: Wetland Enhancement

Landtype: Tribal - Lake

**Description:** A drawn down of Bag Lake Impoundment was initiated to premote revegetation and to reduce

competing fish species.

Funding Type	Funds Use	Funding Amount	Prorated Acres	Prorated Shoreline
ENTF	Restoration	\$2,000.00	17.00	0.00
Wetland Enhancement Total		\$2,000.00	17.00	0.00

Activity: Wetland Restoration
Landtype: Tribal - Lake

**Description:** General maintenance was conducted on Bag Lake Impoundment to enchance its value for

waterfowl.

Thirteen nest boxes were also maintained and monitored

Funding Type	Funds Use	Funding Amount	Prorated Acres	Prorated Shoreline
ENTF	Restoration	\$180.00	0.00	0.00
ENTF	Restoration	\$500.00	0.00	0.00
Other Funds	Restoration	\$1,000.00	0.00	0.00
Other Funds	Site Development	\$2,480.00	0.00	0.00
Wetland Restoration Total		\$4,160.00	0.00	0.00
Bag Impoundment Total		\$6,160.00	17.00	0.00

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## Restoring Minnesota's Fish and Wildlife Habitat Corridors Phase 4 Habitat Conservation Partnership

#### 2E2:Shallow Lake and Impoundment Management - Leech Lake Band of Ojibwe

Project Name: Bear Brook Impoundment

Township: 144, Range: 27, Section: 15

Activity: Wetland Restoration
Landtype: Tribal - Lake

**Description:** Beaver material removal and general maintenance were concucted on Bear Brook Impoundment

to enhance its value for waterfowl.

 Funding Type
 Funds Use
 Funding Amount
 Prorated Acres
 Prorated Shoreline

 ENTF
 Restoration
 \$500.00
 0.00
 0.00

Project Name: Snake Brook Impoundment

Township: 144, Range: 26, Section: 21

Activity: Wetland Restoration
Landtype: Tribal - Lake

Description: Nest boxes were monitored and maintained on Snake Brook Impoundment

Funding TypeFunds UseFunding AmountProrated AcresProrated ShorelineENTFRestoration\$154.000.000.00

Project Name: West Banks 2 Impoundment

Township: 145, Range: 27, Section: 13

Activity: Wetland Restoration Landtype: Tribal - Lake

**Description:** A drawdown and general maintenance were conducted on this impoundment to enhance its value

for waterfowl.

Funding Type	Funds Use	Funding Amount	Prorated Acres	Prorated Shoreline
ENTF	Restoration	\$1,000.00	0.00	0.00
Other Funds	Restoration	\$2,000.00	0.00	0.00
West Banks 2 Impoundment Total		\$3,000.00	0.00	0.00

Project Name: West Banks I Impoundment

Township: 145, Range: 26, Section: 30

Activity: Wetland Restoration
Landtype: Tribal - Lake

**Description:** Impoundment drawdown and maintenance were conducted on this impoundment to improve its

value for waterfowl. The seven nest boxes located on the impoundment were also monitored and

maintained.

Funding Type	Funds Use	Funding Amount	Prorated Acres	Prorated Shoreline
ENTF	Restoration	\$500.00	0.00	0.00
ENTF	Restoration	\$97.00	0.00	0.00
ENTF	Restoration	\$500.00	0.00	0.00
Other Funds	Restoration	\$2,000.00	0.00	0.00
Other Funds	Site Development	\$475.00	0.00	0.00
West Banks I Impoundment	Total	\$3,572.00	0.00	0.00

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## Restoring Minnesota's Fish and Wildlife Habitat Corridors Phase 4 Habitat Conservation Partnership

#### 2E2:Shallow Lake and Impoundment Management - Leech Lake Band of Ojibwe

Project Name: Brush Lake Impoundment

Township: 144, Range: 30, Section: 3

Activity: Wetland Restoration

Landtype: Tribal - Lake

**Description:** General maintenance and beaver material removal was conducted on Brush Lake Impoundment

to maintain its value for waterfowl.

Funding Type	Funds Use	Funding Amount	Prorated Acres	Prorated Shoreline
ENTF	Restoration	\$318.00	2.27	0.00
ENTF	Restoration	\$500.00	3.58	0.00
Other Funds	Restoration	\$1,000.00	7.15	0.00
Other Funds	Site Development	\$533.00	0.00	0.00
Brush Lake Impoundment	Total	\$2,351.00	13.00	0.00

Project Name: Boy River meadows

Township: 143, Range: 28, Section: 27

Activity: Wetland Restoration
Landtype: Tribal - Land

**Description:** A multi agency prescribed burn was conducted on sections of the Boy River Meadows to enhnace

habitat for wildlife.

Funding Type	Funds Use	Funding Amount	Prorated Acres	Prorated Shoreline
ENTF	Restoration	\$1,500.00	623.08	0.00
Other Funds	Restoration	\$5,000.00	2,076.92	0.00
Boy River meadows Total		\$6,500.00	2,700.00	0.00

Project Name: Battle Point Prescribed Burn

Township: 143, Range: 29, Section: 36

Activity: Wetland Restoration
Landtype: Tribal - Land

**Description:** A prescribed burn was conducted on a grass sedge wetland on Battle Point to enhance this

habitat for waterfowl and other wildlife that utilize this habitat.

Funding Type	Funds Use	Funding Amount	Prorated Acres	Prorated Shoreline
ENTF	Restoration	\$1,000.00	20.00	0.00
Other Funds	Restoration	\$1,000.00	20.00	0.00
Battle Point Prescribed But	n Total	\$2,000.00	40.00	0.00

Project Name: Winnie Ponds

Township: 146, Range: 27, Section: 25

Activity: Wetland Restoration
Landtype: Tribal - Lake

**Description:** A prescribed burn was conducted on part of the impoundment complex to enhance habitat for

waterfowl and other wildlife species that utilize this type of habitat. Maintenance and monitoring

was also conducted on 14 nest boxes located on the project area.

Funding Type	Funds Use	Funding Amount	Prorated Acres	Prorated Shoreline
ENTF	Restoration	\$500.00	5.57	0.00
ENTF	Restoration	\$193.50	2.16	0.00
Other Funds	Restoration	\$2,000.00	22.28	0.00
Winnie Ponds Total		\$2,693.50	30.00	0.00

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## Restoring Minnesota's Fish and Wildlife Habitat Corridors Phase 4 Habitat Conservation Partnership

#### 2E2:Shallow Lake and Impoundment Management - Leech Lake Band of Ojibwe

Project Name: Black Smith Ponds nestboxes

Township: 144, Range: 28, Section: 1

Activity: Wetland Enhancement

Landtype: Private - Lake

**Description:** Nine nest boxes were monitored and maintained.

Funding TypeFunds UseFunding AmountProrated AcresProrated ShorelineENTFRestoration\$124.000.000.00

**Project Name:** Kenogama backwater nestboxes

Township: 147, Range: 29, Section: 33

Activity: Wetland Restoration

Landtype: Tribal - Lake

**Description:** Nest boxes were monitored and maintained on Kenogama Lake.

Funding TypeFunds UseFunding AmountProrated AcresProrated ShorelineENTFRestoration\$98.000.000.00

Project Name: Mettler Road Pond

Township: 144, Range: 27, Section: 22

Activity: Wetland Restoration
Landtype: Tribal - Lake

**Description:** Nest boxes were maintained and monitored on Mettler Road Pond.

Funding TypeFunds UseFunding AmountProrated AcresProrated ShorelineENTFRestoration\$168.000.000.00

**Project Name:** Pigeon River flowage beaver dam removal

Township: 147, Range: 27, Section: 19

Activity: Wetland Enhancement

Landtype: Tribal - Lake

**Description:** A beaver dam was removed from the Pigeon River Flowage above Pigeon Dam Lake to enhance

wild rice throughout the flowage.

Funding TypeFunds UseFunding AmountProrated AcresProrated ShorelineOther FundsRestoration\$500.000.000.00

Project Name: Six Mile Creek beaver dam removal

Township: 144, Range: 27, Section: 16

Activity: Wetland Restoration

Landtype: Tribal - Lake

**Description:** Beaver dams were removed from Six Mile Creek to enhance wild rice and restore fish passage.

Funding TypeFunds UseFunding AmountProrated AcresProrated ShorelineENTFRestoration\$500.000.000.00

Project Name: Sugar Lake Impoundment

Township: 146, Range: 29, Section: 22

Activity: Wetland Restoration Landtype: Private - Lake

**Description:** Nest boxes were monitored and maintained on Sugar Lake Impoundment.

Funding TypeFunds UseFunding AmountProrated AcresProrated ShorelineENTFRestoration\$140.000.000.00

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## Restoring Minnesota's Fish and Wildlife Habitat Corridors Phase 4 Habitat Conservation Partnership

#### 2E2:Shallow Lake and Impoundment Management - Leech Lake Band of Ojibwe

Project Name: Raven Lake Nest Boxes

Township: 147, Range: 29, Section: 11

Activity: Wetland Restoration
Landtype: Private - Lake

**Description:** Nest boxes were monitored and maintained on Raven's Lake Flowage.

Funding Type	Funds Use	Funding Amount	Prorated Acres	Prorated Shoreline
ENTF	Restoration	\$112.00	0.00	0.00

Project Name: Minisogama Lake

Township: 147, Range: 29, Section: 27

Activity: Wetland Restoration
Landtype: Private - Lake

**Description:** Nest boxes were monitored and maintained on Minisogama Lake.

Funding Type Funds Use		Funding Amount	Prorated Acres	Prorated Shoreline	
ENTF Restoration		\$182.00	\$182.00 0.00		
ENTF Restoration		\$98.00	0.00	0.00	
Wetland Restoration Total		\$280.00	0.00	0.00	
Minisogama Lake Total		\$280.00	0.00	0.00	

Project Name: Hair Pin Pond

Township: 144, Range: 26, Section: 21

Activity: Wetland Restoration Landtype: Private - Lake

**Description:** Nest Boxes were monitored and maintained on Hair Pin Pond

Funding Type Funds Use		Funding Amount	Prorated Acres	Prorated Shoreline	
ENTF	=NTF I Restoration I		0.00	0.00	

**Project Name:** Third River Pond 2

Township: 147, Range: 29, Section: 10

Activity: Wetland Restoration
Landtype: Tribal - Lake

**Description:** Nest Boxes were monitored and maintained on Third River Pond 2.

Funding Type	Funding Type Funds Use		Prorated Acres	Prorated Shoreline	
ENTF	Restoration	\$84.00	0.00	0.00	

Project Name: Third River Pond 1

Township: 146, Range: 29, Section: 17

Activity: Wetland Restoration
Landtype: Tribal - Lake

**Description:** Nest Boxes were monitored and installed on Third River Pond 1.

Funding Type Funds Use		Funding Amount	Prorated Acres	Prorated Shoreline	
ENTF	Restoration	\$182.00	0.00	0.00	

**Project Name:** Third River Pond 3

Township: 147, Range: 29, Section: 3

Activity: Wetland Restoration
Landtype: Tribal - Lake

**Description:** Nest boxes were monitored and maintained on Third River Pond 3.

Funding Type Funds Use		Funding Amount	Prorated Acres	Prorated Shoreline	
ENTF Restoration		\$196.00	0.00	0.00	

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## Restoring Minnesota's Fish and Wildlife Habitat Corridors Phase 4 Habitat Conservation Partnership

#### 2E2:Shallow Lake and Impoundment Management - Leech Lake Band of Ojibwe

**Project Name:** Third River Pond 5

Township: 147, Range: 28, Section: 17

Activity: Wetland Restoration
Landtype: Tribal - Lake

**Description:** Next boxes were monitored and maintained on Third River Pond 5.

Funding TypeFunds UseFunding AmountProrated AcresProrated ShorelineENTFRestoration\$112.000.000.00

Project Name: Nason Meadow Road Pond

Township: 144, Range: 27, Section: 23

Activity: Wetland Restoration
Landtype: Tribal - Lake

**Description:** Nest boxes were monitored and maintained on Nason Meadow Road Pond.

Funding TypeFunds UseFunding AmountProrated AcresProrated ShorelineENTFRestoration\$224.000.000.00

Project Name: Wally's Pond nest boxes

Township: 144, Range: 29, Section: 2

Activity: Wetland Restoration
Landtype: Tribal - Lake

**Description:** Nest box maintenance and monitoring was conducted on Wally's Pond.

Funding TypeFunds UseFunding AmountProrated AcresProrated ShorelineENTFRestoration\$154.000.000.00

Project Name: Soo Line Trail Pond nest boxes

Township: 144, Range: 28, Section: 5

Activity: Wetland Restoration
Landtype: Tribal - Lake

**Description:** Nest box maintenance and monitoring was conducted on Soo Line Trail Pond.

 Funding Type
 Funds Use
 Funding Amount
 Prorated Acres
 Prorated Shoreline

 ENTF
 Restoration
 \$112.00
 0.00
 0.00

Project Name: Buelah Pond Nest Boxes

Township: 144, Range: 28, Section: 8

Activity: Wetland Restoration
Landtype: Tribal - Lake

**Description:** Nest box maintenance and monitoring was conducted on Buelash Pond.

Funding Type Prorated Acres Prorated Shoreline Funds Use Funding Amount **ENTF** Restoration \$196.00 0.00 0.00 **FNTF** 0.00 0.00 Restoration \$112.00 **ENTF** 0.00 Restoration \$182.00 0.00 Wetland Restoration Total \$490.00 0.00 0.00 **Buelah Pond Nest Boxes Total** \$490.00 0.00 0.00

Project Name: Bird Blind Pond Nest Boxes

Township: 144, Range: 26, Section: 3

Activity: Wetland Restoration
Landtype: Tribal - Lake

**Description:** Nest Box maintenance and monitoring was conducted on Bird Blind Pond.

Funding TypeFunds UseFunding AmountProrated AcresProrated ShorelineENTFRestoration\$175.500.000.00

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## Restoring Minnesota's Fish and Wildlife Habitat Corridors Phase 4 Habitat Conservation Partnership

#### 2E2:Shallow Lake and Impoundment Management - Leech Lake Band of Ojibwe

Project Name: Portage road decommissioning

Township: 144, Range: 28, Section: 6

Activity: Wetland Restoration

Landtype: Tribal - Lake

**Description:** An old road was decommissioned and the portion in a wetland removed. This project was done to

restore wetlands and protect a rare plant site and eagle nest that are located along the upland

portion of the road. It also reduced forest fragementation.

Funds Use Funding Amount Prorated Acres Prorated Shoreline Funding Type 0.00 **ENTF** Restoration \$10,000.00 6,490.00 Other Funds Site Development \$20,000.00 0.00 0.00 \$30,000.00 Portage road decommissioning Total 0.00 6,490.00

Project Name: Amik Impounement

Township: 147, Range: 27, Section: 15

Activity: Wild Rice Restoration

Landtype: Tribal - Lake

**Description:** Wild rice was seeded into Amik Impounement. General impoundment operation and maintenance

was also conducted.

Funding Type Funds Use		Funding Amount	Prorated Acres	Prorated Shoreline	
ENTF Restoration		\$2,000.00 16.80		0.00	
ENTF Restoration		\$500.00	4.20	0.00	
Other Funds Site Development		\$525.00 0.00		0.00	
Amik Impounement Total		\$3,025.00	21.00	0.00	

Project Name: Pigeon River wild rice planting

Township: 147, Range: 27, Section: 18

Activity: Wild Rice Restoration

Landtype: Tribal - Lake

**Description:** Wild rice was planted into the Pigeon River Flowage.

Funding Type Funds Use		Funding Amount	Prorated Acres	Prorated Shoreline
ENTF Restoration		\$1,000.00	0.00	
Other Funds Site Development		\$1,025.00	0.00	0.00
Pigeon River wild rice planting Total		\$2,025.00	8.00	0.00

**Project Name:** Sucker Creek beaver dam removal

Township: 144, Range: 30, Section: 11

Activity: Wetland Restoration
Landtype: Private - Lake

**Description:** Beaver dams were removed from Sucker Creek to enhance wildrice and restore fish passage.

	2000p							
Funding Type		Funds Use	Funding Amount	Prorated Acres	Prorated Shoreline			
	ENTF Restoration		\$500.00	0.00	0.00			

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

Funding Type	Funding Amount	Acres	Shoreline Feet
ENTF:	\$30,000.00	779.65	6,490.00
Other Funds:	\$41,036.00	2,126.35	0.00
Other:	\$2,300.00	0.00	0.00
Total:	\$73,336.00	2,906.00	6,490.00

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# Restoring Minnesota's Fish and Wildlife Habitat Corridors Phase 4 Habitat Conservation Partnership

2E2:Shallow Lake and Impoundment Management - Leech Lake Band of Ojibwe

## **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)	

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Attachment A: Budget Detail for 2007 Projects

Project Title: Minnesota Habitat Corridors Partnership - Phase IV, Subd. 5(b)

Project Manager Name: John P. Ringle

Trust Fund Appropriation: \$ 30,000

2007 Trust Fund Budget	Result 1 Budget:	Amount Spent	Balance	Result 2 Budget:	Amount Spent	Balance	TOTAL BUDGET	TOTAL BALANCE
	Shallow Lake and Wetland Management			Forest Road Decommissioning and Wetland Restoration				
BUDGET ITEM								
PERSONNEL: Wages and Benefits	\$20,000	\$20,000	\$0	\$0	\$0	\$0	\$20,000	\$0
Contracts								
Professional/technical Contract with Leech Lake Heavy Equipment Program for earthwork	\$0	\$0	\$0	\$10,000	\$10,000	\$0	\$10,000	\$0
COLUMN TOTAL	\$20,000	\$20,000	\$0	\$10,000	\$10,000	\$0	\$30,000	\$0

# **Habitat Conservation Partnership** Phase 4 - Accomplishments 2E2 - Shallow Lake and Impoundment Managment - Leech Lake Band of Ojibwe

