

## LCCMR Work Program Final Report

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

#### 2D: Shallow Lakes Assessment and Management - MN DNR - Division of Wildlife

<b>Project Manager:</b>	Ray Norrgard	<b>Fund:</b> Environment and Natural Resources Trust Fund
<b>Affiliation:</b>	MN DNR - Division of Wildlife	
<b>Address:</b>	500 Lafayette Rd. St. Paul, MN 55,155	<b>Legal Citation:</b> ML 2007, Ch. 30, Sec. 2, Sub 4(b)
<b>Phone:</b>	(651) 259-5227	
<b>Fax:</b>	(651) 297-4961	
<b>E-mail:</b>	ray.norrgard@dnr.state.mn.us	

#### Total Work Program Budget

Result	ENTF Allocation	ENTF Funds Spent	ENTF Balance	Other Funds Proposed	Other Funds Spent
Restoration	\$98,000	\$ 98,000	\$0	\$0	\$0
<b>Total</b>	\$98,000	\$ 98,000	\$0	\$0	\$0

#### Work Program Summary

##### Overall Project Outcome and Results

The Trust Fund monies were used to support 1 full time temporary Natural Resource Specialist (wildlife) position and up to 6 seasonal interns to identify shallow lake and watershed habitat occurrence and quality, design restoration projects, and implement management strategies to improve shallow lake and wetland habitat. A target was established to conduct at least 50 shallow lake surveys in project areas 1, 2, 3, 4, 5, 6, 7, 8, 9, and 10 to help identify and prioritize restoration strategies conducted through HCP 2c and 3c. These strategies include shore land protection, reducing undesirable fish, managing water levels, constructing fish barriers, and establishing beneficial vegetation. These strategies are consistent with the DNR – Wildlife's Long Range Duck Recovery Plan.

Work began in mid-September, 2007. Data entry from habitat surveys conducted during the 2007 field season were completed. Weekly dissolved oxygen surveys were conducted on six lakes during the winter of 2007-2008. Reverse aeration to winterkill carp was conducted on Weaver and Hubbard Lakes in Kandiyohi County. Carp barriers were constructed. Public input was taken on management options for Wakanda Lake in Kandiyohi County. 100 shallow lake habitat surveys were conducted during the 2008 field season covering 58,138 acres: Area 1 – 2 lakes (90 acres); Area 2 – 2 lakes (2518 acres); Area 3 – 62 lakes (2236 acres); Area 4 – 3 lakes (2902 acres); Area 5 – 5 lakes (1804 acres); Area 6 – 2 lakes (2367 acres); Area 9 – 12 lakes (1633 acres); Area 10 – 12 lakes (4463 acres).

##### Project Results Use and Dissemination

The habitat and oxygen survey information was used to support DNR's shallow lake management efforts identified in the 2006 Duck Recovery Plan and Ducks Unlimited's efforts under Restoring Minnesota's Fish and Wildlife Habitat Corridors IV – Wildlife Shallow Lakes Enhancement 2(c). Dissemination of project accomplishments will be through the LCCMR reporting process and normal DNR budgeting and accomplishment reporting. Data collected on the habitat quality of shallow lakes will be available as part of the DNR shallow lakes database managed by Division of Fish and Wildlife staff in Brainerd.

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#### Work Program Expenditures

<i>FundingType</i>	<i>Funding Category</i>	<i>Amount</i>	<i>Description</i>
ENTF	Personnel Expenditures	\$84,105.12	Wages and Benefits
ENTF	Equipment Costs	\$328.34	Boats and Lake Survey Tools
ENTF	Supplies and Misc	\$205.80	Printing
ENTF	Supplies and Misc	\$45.00	Office Supplies
ENTF	Supplies and Misc	\$123.92	Communications
ENTF	Supplies and Misc	\$483.09	Material for Carp Barrier
ENTF	Travel	\$1,711.82	Travel Expenses in Minnesota
ENTF	Equipment Costs	\$10,365.87	Vehicle Fleet Costs
ENTF	Supplies and Misc	\$631.00	Other Supplies
	<b>Total:</b>	<b>\$97,999.96</b>	

#### 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 Final Report**
**Project Title: Restoring Minnesota's Fish and Wildlife Habitat Corridors Phase IV – Shallow Lakes (2d)**
**Project Manager Name: Ray Norrgard**
**Trust Fund Appropriation: \$ 98,000.00**

2007 Trust Fund Budget	<u>Result 1 Budget:</u>	Amount Spent	Balance	TOTAL BUDGET	TOTAL BALANCE
	<i>Fill in your result title here.</i>				
<b>BUDGET ITEM</b>					
<b>PERSONNEL: wages and benefits</b>	\$78,000	\$84,105	-\$6,105	\$78,000	-\$6,105
<b>Equipment</b> <i>(boats and lake survey tools)</i>	\$6,000	\$328	\$5,672	\$6,000	\$5,672
<b>Printing</b>		\$206	-\$206	\$0	-\$206
<b>Other Supplies</b> <i>(list specific categories)</i>	\$0	\$631	-\$631	\$0	-\$631
<b>office supplies</b>		\$45	-\$45		-\$45
<b>communications</b>		\$124	-\$124		-\$124
<b>material for carp barrier</b>		\$483	-\$483		-\$483
<b>Travel expenses in Minnesota</b>	\$4,000	\$1,712	\$2,288	\$4,000	\$2,288
<b>Other: Vehicle Fleet Costs</b>	\$10,000	\$10,366	-\$366	\$10,000	-\$366
<b>COLUMN TOTAL</b>	<b>\$98,000</b>	<b>\$98,000</b>	<b>\$0</b>	<b>\$98,000</b>	<b>\$0</b>

Explanation: Personnel costs were slightly higher (7%) than forecasted. Printing, office supplies, and communications (mailing) costs were for landowner contacts to gain access to public waters for habitat surveys. Fleet costs were 4% higher than anticipated. Other supplies included replacement lake survey materials. Materials were also purchased for construction of a carp barrier to facilitate management of one of the shallow lakes. On the other hand equipment and travel costs were substantially lower than the amounts budgeted.