

## **Environment and Natural Resources Trust Fund (ENRTF) 2010 Work Program**

**Date of Report:** December 16, 2009

**Date of Next Progress Report:** Dec. 1, 2011

**Date of Work Program Approval:**

**Project Completion Date:** June 30, 2012

**I. PROJECT TITLE:** Minnesota's Habitat Conservation Partnership Phase VI I  
Shallow Lake Assessment (2d), DNR – Section of Wildlife

**Project Manager:** Ray Norrgard

**Affiliation:** DNR – Division of Fish and Wildlife

**Mailing Address:** 500 Lafayette Rd, Box 20

**City / State / Zip:** St Paul, 55155-4020

**Telephone Number:** 651-259-5227

**E-mail Address:** ray.norrgard@dnr.state.mn.us

**FAX Number:** 651-297-4961

**Web Site Address:** <http://www.mnhabitatcorridors.org>

**Location:** The primary emphasis will be in Habitat Conservation Partnership projects areas 1, 2, 3, 4, 6, 7, 8, 9, 10 although some minor assessment work may occur in other areas.

<b>Total ENRTF Project Budget:</b>	<b>ENRTF Appropriation</b>	<b>\$45,000</b>
	<b>Minus Amount Spent:</b>	<b>\$</b>
	<b>Equal Balance:</b>	<b>\$ 45,000</b>

**Legal Citation:** ML 2010, Chap.[\_\_\_\_], Sec.[\_\_\_\_], Subd.\_\_\_\_.

**Appropriation Language:**

**II. PROJECT SUMMARY AND RESULTS:** The Minnesota Department of Natural Resources (DNR) is working with Ducks Unlimited (DU) and other partners in a focused, strategic approach to assess, improve and protect the aquatic ecology and water quality of shallow lakes for waterfowl and other wildlife. Shallow lakes are a critical component of the wetland habitat complexes once common to Minnesota landscapes. These lakes provide the migration, brood rearing, and hiberna critical for shorebirds, waterfowl, water birds, turtles and amphibians. Through this grant, and the existing shallow lake program, DNR will provide the predesign habitat assessment and monitoring of shallow lake structural enhancements accomplished by DU through bioengineering. Through these combined efforts and by working with other HCP partners that include Pheasants Forever, U.S. Fish & Wildlife Service (FWS), and the USDA's Natural Resources Conservation Service, DNR and DU are improving and protecting shallow lakes and their surrounding wetland complexes more effectively and efficiently than would otherwise be possible. The 15 shallow lake assessments completed with this grant are the first step towards restoration and meet the requirements for post project monitoring. This grant will primarily focus on Project Areas 1, 2, 3, 4, 6, 7, 8, 9, and 10 although

work may be completed in other HCP Project Areas when appropriate. Lakes are selected from a priority list developed by the MN DNR shallow lakes program.

### **III. PROGRESS SUMMARY AS OF *[insert date of Work Program progress report]*:**

### **IV. OUTLINE OF PROJECT RESULTS:**

**RESULT 1:** On-site shallow lake assessment and monitoring for 15 lakes.

**Description:** 15 shallow lake assessments, including both pre and post project lake monitoring, will be completed to provide the information necessary to design and implement lake management strategies including DU lake structure enhancements and DNR accelerated management activities. Assessments include data collection on water depths, aquatic vegetation, water clarity, and water chemistry. Lakes are selected from a priority list developed by the MN DNR shallow lakes program.

**Summary Budget Information for Result 1:**

<b>ENRTF Budget:</b>	<b>\$45,000</b>
<b>Amount Spent:</b>	<b>\$</b>
<b>Balance:</b>	<b>\$ 45,000</b>

<b>Deliverable/Outcome</b>	<b>Completion Date</b>	<b>Budget</b>
<b>1.15 shallow lakes habitat assessments</b>	June 30, 2012	\$ 45,000

**Result Completion Date:** June 30, 2012

**Result Status as of December 1, 2010:**

**Result Status as of June 1, 2011:**

**Result Status as of December 1, 2011:**

**Result Status as of June 30, 2012:**

**Final Report Summary:**

### **V. TOTAL ENRTF PROJECT BUDGET:**

**Personnel:** 5 interns and specialists \$ 34,000

**Equipment (Sampling equipment for surveys such as secchi disks, vegetation hooks, etc.):** \$ 500

**Travel (food, lodging, fleet):** \$ 10,500

**TOTAL ENRTF PROJECT BUDGET:** \$ 45,000

**Explanation of Capital Expenditures Greater Than \$3,500:** None

**VI. PROJECT STRATEGY:**

**A. Project Partners:** This proposal is part of the Habitat Conservation Partnership Phase VII Proposal. Please see the main proposal for a complete list of partners involved.

**B. Project Impact and Long-term Strategy:** This proposal is directly tied to the Shallow lakes that are a critical component of the wetland habitat complexes once common to Minnesota. These lakes provide the migration, brood rearing, and hibernation critical for shorebirds, waterfowl, water birds, turtles and amphibians. Although these lakes physically remain on the landscape their ecological condition has been degraded by watershed changes and invasive species. However, many of these lakes can be restored with management investments. The shallow lake assessments completed with this grant are the first step towards restoration and meet the requirements for post project monitoring.

**C. Other Funds Proposed to be Spent during the Project Period:** The Section of Wildlife spends approximately \$300,000 from Game and Fish Fund annually to provide technical assistance and assessment to support shallow lake management projects around the state.

**D. Spending History:** Past ETF Spending: Habitat Conservation Partnership Phase I: \$350,000; Phase II: 98,300; Phase III: \$98,000; Phase IV: \$98,000; Phase V: \$73,500; Phase VI is in progress.

**VII. DISSEMINATION:** Accomplishment Reports and press releases will be made available at <http://www.mnhabitatcorridors.org>

**VIII. REPORTING REQUIREMENTS:** Periodic work program progress reports will be submitted not later than December 1 and June 1 of each year. A final work program report and associated products will be submitted between June 30 and August 1, 2012 as requested by the LCCMR.

**IX. RESEARCH PROJECTS:**

Attachment A: Budget Detail for 2010 Projects					
Project Title: Minnesota’s Habitat Conservation Partnership Phase VI I– Shallow Lake Assessment (2d), DNR – Section of Wildlife					
Project Manager Name: Ray Norrgard					
Trust Fund Appropriation: \$ 45,000					
1) See list of non-eligible expenses, do not include any of these items in your budget sheet					
2) Remove any budget item lines not applicable					
2010 Trust Fund Budget	<u>Result 1 Budget:</u>	Amount Spent (date)	TOTAL BUDGET	TOTAL BALANCE	
	On-site shallow lake assessment and monitoring				
BUDGET ITEM					
PERSONNEL: 5 temporary seasonal interns and specialists wages and benefits	34,000	0	42,000	42,000	
Non-capital Equipment / Tools: Sampling equipment for surveys such as secchi disks, vegetation hooks, etc.	500	0	500	500	
Travel expenses in Minnesota (food, lodging, fleet)	10,500	0	2,500	2,500	
COLUMN TOTAL	\$45,000	\$0	\$45,000	\$45,000	

## LCCMR Phase 7-Tenative Surveys

	<u>Lake</u>	<u>DOW #</u>	<u>Acres</u>	<u>County</u>	<u>LCMR</u> <u>Area</u>	<u>Wildlife Office</u>	<u>X utm</u>	<u>Y utm</u>
1	Buffalo	81008300	861	Waseca	10	Owatonna	442201	4878468
2	Round	51003800	163	Murray	9	Slayton	286934	4892578
3	Klinker's Marsh	51008300	88	Murray	9	Slayton	259827	4885983
4	Shell	03010200	3377	Becker	3	Park Rapids	313778	5202080
5	Big Rat	03024600	1102	Becker	3	Park Rapids	297918	5218884
6	Big Puposky	04019800	2360	Beltrami	2	Bemidji	355106	5283646
8	Lower Dean	18018100	533	Crow Wing	4	Brainerd	432084	5161274
10	West Twin	41010200	216	Lincoln	9	Marshall	228197	4940535
11	East Twin	41010800	215	Lincoln	9	Marshall	228614	4940098
12	Onamia	48000900	2250	Mille Lacs	4	Cambridge	447954	5103457
13	Lizzie (Rush)	56076000	1840	Otter Tail	3	Fergus Falls	269332	5169826
14	Upper Lightning	56095700	539	Otter Tail	3	Fergus Falls	256118	5113966
15	Perch	09003600	786	Carlton	5	Cloquet	525165	5170720
16	Rice Portage	09003700	832	Carlton	5	Cloquet	523349	5171637
18	Artichoke	06000200	2011	Big Stone	6	Montevideo	254136	5027170
19	Harriman Slough	40009300	247	Le Sueur	10	Nicollet	438643	4907981
20	Eagle	07006000	1224	Blue Earth	10	Nicollet	428067	4893942
21	Randall Pool	85003100	126	Winona	11	Whitewater	579167	4886886
22	Flat	03024200	1944	Becker	3	Park Rapids	298411	5206073
23	Mud	86004400	131	Wright	3	Sauk Rapids	437045	4994978
24	Fleming	01010500	326	Aitkin	4	Aitkin	461995	5164147
26	Unnamed	78000800	63	Traverse	6	Glenwood	217748	5057631
25	Peterson	47019800	135	Meeker	3	Willmar	364442	5003831
26	Warren	48001600	59	Mille Lacs	4	Cambridge	445318	5104762
27	Lura	07007900	1310	Blue Earth	10	Nicollet	417777	4858512
28	Loon	32002000	707	Jackson	10	Windom	330443	4822559
29	Rustad	03065300	131	Becker	3	Detroit Lakes	257895	5209316
30	Unnamed	37014800	175	Lac Qui Parle	6	Lac Qui Parle	244949	4992673
29	Round	31077700	371	Itasca	2	Grand Rapids	442105	5255344
30	Pauley	77010300	143	Todd	3	Little Falls	355920	5072602

## High Priority Lakes for Survey- Phase VII

