

Lessard-Sams Outdoor Heritage Council

Final Accomplishment Plan Report

Date: August 9, 2011

Program Title: **Fountain Lake Fish Barriers**

Manager's Name: **Brett Behnke**

Title: **Administrator**

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Funds Recommended: \$ 655,000

Legislative Citation and Appropriation Language:

BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF MINNESOTA: Laws of Minnesota 2009, Chapter 172, Article I, Section 2, Subd. 5, F.

5(f) Fountain Lake Fish Barriers \$655,000 in fiscal year 2010 is to the commissioner of natural resources for an agreement with the Shell Rock River Watershed District to construct fish barriers at three locations on Fountain Lake. Land acquisition necessary for fish barrier construction is permitted. A list of proposed projects, describing the types and locations of barriers, must be provided as part of the required accomplishment plan. The commissioner of natural resources must agree to each proposed barrier.

Outcomes

As a result of the installation of the two fish barriers, one on Wedge Creek and one on White Lake, we have kept Common Carp from migrating from Fountain Lake into the shallow upstream basins. This has helped improve the water clarity and water quality in the upstream areas which are now excluded from Common Carp. Since these upstream areas are interconnected to Fountain Lake, water quality in Fountain Lake has also improved. Secchi disk readings on Fountain Lake were the best on record in 2010, averaging 2.7 feet of water clarity. Fountain Lake is now meeting the MN PCA water clarity standard of 2.3 feet.

The improved water clarity and water quality has increased the amount of aquatic vegetation in upstream Common Carp excluded lakes. Waterfowl and aquatic fur-bearers sightings have increased with the habitat improvements. Waterfowl species sighted during the fall migration included: Wood-duck, American Widgeon, Green-winged Teal, Blue-winged Teal,

Northern Shoveler, Gadwall, Mallard, Northern Pintail, Canvasback, Redhead, Ring-neck, Lesser Scaup, Common Merganser, Rudy Ducks, and Canada Geese.

Game fish species are now thriving in the Common Carp excluded lakes. Minnesota DNR fisheries staff began a new approach of stocking game fish in satellite lakes to function as nursery areas. Thru this approach it was found that Northern Pike grow extremely fast, reaching 15 inches in their first year of life, and have viable eggs. Now instead of these satellite lakes functioning as Common Carp nurseries, game fish have taken their place. Downstream lakes like Fountain and Albert Lea are seeing an increased Yellow Perch and Northern Pike population, which should only get better in the future

Maintenance

The Watershed District is a permanent municipality, funded through property taxes that will allow for continued maintenance and management of these projects. There is a yearly expense for Smith & Root’s maintenance program, phone service and utilities will cost approximately \$5,000, for White Lake and Wedge Creek Fish Barriers. The District budgets yearly for the maintenance expenses.

Sustainability

The proposed projects are LONG-TERM. By controlling the fish habitat at the top of the watershed through complete eradication of the invasive species, these projects provide lasting improvements. The Watershed District is a permanent municipality, funded through property taxes that will allow for continued maintenance and management of these benefits.

The District is a permanent municipality, subject to annual independent audits, with a proven track record of successfully constructing and maintaining projects.

The District has a regular and permanent source of funding through local property taxes.

Table B-2. Other Outcome Table

Goal 1	Activity – P/R/E	Measure	Impact	Ecological Type
Goal 2				

Attachments (on spreadsheet workbook – 3 separate tabs):

- A. Budget
- B. Proposed Output Tables
- C. Parcel List

Program Name:	Shell Rock River Watershed Fish Barriers and Habitat
Date:	8/9/2011
Legal Citation:	ML 2009, Ch. 172, Art. 1, Sec. 2, Subd X(x) / ML2010, Ch. 361, Art. 1, Sec. 2, Subd. X(x)

Table 1 and Table 3 column totals should be the same AND Table 2 and Table 4 column totals should be the same

If your project has lakes or shoreline miles instead of land acres, convert miles to acres

for Tables 1 and 3 using the following conversion:

Lakeshore = 6 acres per lakeshore mile / Stream & River Shore = 12 acres per linear mile, if both sides

Table 1. Acres by Resource Type

Table 1 & 2 ask for Initial and Final information. INITIAL information means the data in the FIRST accomplishment plan approved by the Council, NOT approved versions thereafter.

	Wetlands		Prairies		Forest		Habitats		Total	
	Initial	Final	Initial	Final	Initial	Final	Initial	Final	Initial	Final
Restore							226	226	226	226
Protect Fee							193	193	193	193
Protect Easement							49	49	49	49
Enhance							226	226	226	226
Total	0	0	0	0	0	0	694	694	694	694

Table 2. Total Requested Funding by Resource Type

	Wetlands		Prairies		Forest		Habitats		Total	
	Initial	Final	Initial	Final	Initial	Final	Initial	Final	Initial	Final
Restore							\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000
Protect Fee							\$ 124,000	\$ 124,000	\$ 124,000	\$ 124,000
Protect Easement							\$ 31,000	\$ 31,000	\$ 31,000	\$ 31,000
Enhance							\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000
Total	0	0	0	0	0	0	655000	655000	\$ 655,000	\$ 655,000

Tables below only ask for final amounts and achievements.

Table 3. Final Acres achieved within each Ecological Section

	Metro/Urban	Forest/Prairie	SE Forest	Prairie	N Forest	Total
Restore				226		226
Protect				242		242
Enhance				226		226
Total	0	0	0	694	0	

Total Acres (sum of Total column)
 Total Acres (sum of Total row)
 Total Acres from Table 1.

694	These three cells should be the same figure.
694	
0	

Table 4. Final Amount spent within each Ecological Section

	Metro/Urban	Forest/Prairie	SE Forest	Prairie	N Forest	Total
Restore				\$ 300,000		\$ 300,000
Protect				\$ 155,000		\$ 155,000
Enhance				\$ 200,000		\$ 200,000
Total	\$ -	\$ -	\$ -	\$ 655,000	\$ -	

Total Dollars (sum of Total column) \$ 655,000 *These two cells should be the same figure.*
 Total Dollars (sum of Total row) \$ 655,000
 Check to make sure these amounts are the same as the Funding Request Amount on page 1 of Main Funding Form.

Table 5. Target Lake/Stream/River Miles

miles of Lakes / Streams / Rivers Shoreline

Table 6. Acquisition by PILT Status (enter information in acres)

		Wetlands	Prairies	Forests	Habitats	Total
Acquired in Fee with State PILT Liability	with					0
Acquired in Fee without State PILT Liability					2.68	2.68
Permanent Easement State PILT Liability	NO				1.125	1.125

Table 7. Estimated Value of Acquisition by PILT Status (enter information in dollars)

		Wetlands	Prairies	Forests	Habitats	Total
Acquired in Fee with State PILT Liability	with					\$ -
Acquired in Fee without State PILT Liability					\$ 23,418	\$ 23,418
Permanent Easement State PILT Liability	NO				\$ 4,592	\$ 4,592

Program Name:	Shell Rock River Watershed Fish Barriers and Habitat
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[Link HERE to definitions of the budget items below.](#)

Total Amount of Request \$ 655,000 From page 1 on the funding form.

Personnel

Position breakdown here	FTE	Over # of years	Initial OHF Request	Actual OHF Expended	Actual Cash Leverage	Cash Leverage Source
	<i>Project Manager</i>	0.75				\$ 39,165
<i>Admin Asst</i>	0.15				\$ 6,930	SRRWD
<i>position 3</i>						
<i>position 4</i>						
<i>position 5</i>						
<i>position 6</i>						
<i>position 7</i>						
<i>position 8</i>						
<i>position 9</i>						
<i>position 10</i>						
Total	0.9			\$ -	\$ 46,095	\$ -

Budget and Cash Leverage (All your LSOHC Request Funds must be direct to and necessary for program outcomes.)

Please describe how you intend to spend the requested funds.

Budget Item	Initial OHF Request	Actual OHF Expended	Actual Cash Leverage	Cash Leverage Source
Personnel - <i>auto entered from above</i>		\$ -	\$ 46,095	\$ -
Contracts	\$ 655,000	\$ 655,000	\$ 104,404	SRRWD
Fee Acquisition w/ PILT (<i>breakout in table 7</i>)				
Fee Acquisition w/o PILT (<i>breakout in table 7</i>)			\$ 23,418	SRRWD
Easement Acquisition			\$ 4,592	SRRWD
Easement Stewardship				
Travel (in-state)				
Professional Services			\$ 18,032	SRRWD
Direct Support Services				
DNR Land Acquisition Costs				
Other				
Capital Equipment (<i>auto entered from below</i>)				
Other Equipment/Tools				
Supplies/Materials			\$ 18,403	SRRWD
		\$ 655,000	\$ 214,944	\$ -

Capital Equipment (single items over \$10,000 - auto entered into table above)

Item Name	Initial OHF Request	Actual OHF Request	Leverage	Disposition Plan
<i>Item 2 enter here</i>				
<i>Item 3 enter here</i>				
<i>Item 4 enter here</i>				
Total	0	-	-	

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Please include ALL parcels in which OHF money was spent, regardless of whether acquired.

Parcel Name	County	Township	Range	Direction	Section	TRDS	# of acres	Cost to OHF	Primary habitat type: wetland, prairie, forest, aquatic	Activity: R=Restore PF=Protect Fee PE=Protect Easement E=Enhance (Note: these figures should be the same as those in Attachment B)	LSOHC Section: Metro-Urbanizing = MU Southeast Forest=SEF Northern Forest= NF Prairie-Transition PT Prairie= P	Open to hunting and fishing? (yes/no)	Identify state or federal disposition: WPA, WMA, AMA, SNA, State Forest	If easement, what is the easement cost as a percentage of the fee acquisition?
Fountain Lake Fish Barrier	Freeborn		102	21	2	9	10221209	0.125	\$0 aquatic	R,PE,E	p	Y		
Wedge Creek Fish Barrier	Freeborn		102	21	2	6	10221206	2.68	\$0 aquatic	R,PF,E	p	Y		
White Lake Fish Barrier	Freeborn		102	21	2	6	10221206	1	\$0 aquatic	R,PE,E	p	Y		20%