

FINAL REPORT

- 1 -

2001 Project Abstract
For the Period Ending June 30, 2004

AUG - 3 2004

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TITLE: Fisheries Statewide Hatchery Rehabilitation
PROJECT MANAGER: Linda Erickson-Eastwood and Darryl Bathel
ORGANIZATION: Minnesota Department of Natural Resources
ADDRESS: 500 Lafayette Road, St. Paul, MN 55155-4012
WEB SITE ADDRESS: www.dnr.state.mn.us
FUND: Future Resource Fund
LEGAL CITATION: ML 2001, Chapter 2 - 1st Special Session, Sec. 14, Subd. 4b
APPROPRIATION AMOUNT: \$145,000

JRV _____
SAT _____
SVM _____
YF _____
SS _____

Overall Project Outcome and Results

This project resulted in the improvement and maintenance of the Minnesota Department of Natural Resources, Division of Fish and Wildlife's Lanesboro Hatchery so that rainbow trout and brown trout can continue to be stocked in trout waters statewide. The work that was done included the following two projects.

1. Design and construction of a cover and sides to enclose the brood stock raceways. This provided the State's rainbow trout and brown trout brood fish low light conditions for a more comfortable environment and protection from predators. This structure also provided a much improved work environment for employees for handling and spawning these brood fish. (Photos attached)
2. Design and construction of eight new concrete raceways. This project allows for better employee access to these raceways making feeding, cleaning and fish removal chores more efficient. The raceways also facilitate public viewing of the fish held in the raceways. (Photos attached)

The hatchery rehabilitation program exists to improve and maintain statewide facilities for fish culture, rearing, and holding. There are 17 fish hatcheries statewide including 5 coldwater hatcheries that provide trout and salmon and 12 warmwater hatcheries that provide walleye, muskellunge, channel catfish, and smallmouth bass. Approximately 1,333 lakes and 125 streams are stocked with fish raised at these facilities.

Project Results Use and Dissemination

None

Final Work program Report

Date of Report: August 2004
Date of Next Program Update: Project Completed
Date of Work Plan Approval: May 2001
Project Completion Date: June 30, 2004

LCMR Work Program

I. PROJECT TITLE: Fisheries Statewide Hatchery Rehabilitation

Project Managers: Linda Erickson-Eastwood, Fisheries Program Manager
Darryl Bathel, Coldwater Hatchery Manager
Affiliation: Department of Natural Resources
Mailing Address: Box 12, 500 Lafayette Road, St. Paul, MN 55155-4012
Telephone Number: (651) 296-0791 **E-Mail:** linda.erickson-eastwood@dnr.state.mn.us **Fax:** (651) 297-4916
(218) 525-0867 **E-Mail:** darryl.bathel@dnr.state.mn.us **Fax:** (218) 525-0866

Total Biennial Project Budget: Amounts in thousands

<u>Fund</u>	<u>Year</u>	<u>Approp.</u>	<u>Liquid.</u>	<u>Encumb.</u>	<u>Balance</u>
Fish Hatchery Rehabilitation (FRF)	2001	\$145000	\$145000	0	0

A. Legal Citations:

2001 Appropriation

Legal Citation: ML 2001, Chapter 2 – 1st Special Session, Sec. 14, Subd. 4b

Appropriation Language: STATE FISH HATCHERY REHABILITATION \$145,000 is from the future resources fund to the commissioner of natural resources to accelerate hatchery rehabilitation

Carry forward Language: The availability of the appropriation for the following project is extended to June 30, 2004, unless an earlier date is specified in the work program: ML 2003, Art. 1, Ch.128, Sec. 9, Subd. 20(a): 4 (b) State fish hatchery rehabilitation

B. Matching Funds: none.

II and III. FINAL PROJECT SUMMARY

The hatchery rehabilitation program exists to improve and maintain statewide facilities for fish culture, rearing, and holding. There are 17 fish hatcheries statewide including 5 coldwater hatcheries that provide trout and salmon and 12 warmwater hatcheries that provide walleye, muskellunge, channel catfish, and smallmouth bass. Approximately 1,333 lakes and 125 streams are stocked with fish raised at these facilities.

The 2001 work program improved and maintained the Minnesota Department of Natural Resources, Division of Fish and Wildlife’s Lanesboro Hatchery so that rainbow trout and brown trout can continue to be stocked in trout waters statewide. The work that was done included the following two projects.

1. Design and construction of a cover and sides to enclose the brood stock raceways. This provided the State’s rainbow trout and brown trout brood fish low light conditions for a more comfortable environment and protection from predators. This structure also provided a much improved work environment for employees for handling and spawning these brood fish.
2. Design and construction of eight new concrete raceways. This project allows for better employee access to these raceways making feeding, cleaning and fish removal chores more efficient. The raceways also facilitate public viewing of the fish held in the raceways.

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IV. Final Outline of Project Results:

Fish Hatchery Rehabilitation 2001 - Future Resource Funds

Total Appropriation: \$145,000

Original amount allocated to this program: \$145,000

Amount added from other programs: \$ 0

Amount moved to other programs: \$ 0

Current amount allocated to this program: \$

Amount expended on this program to date: \$145,000

<u>Project</u>	<u>County</u>	<u>Amount Expended To Date</u>	<u>Balance Programmed to Complete Project</u>	<u>Total Project Cost</u>
Lanesboro Hatchery broodstock raceways	Fillmore	\$ 64,006		\$64,006
Lanesboro Hatchery raceways 1 thru 8	Fillmore	\$ 80,994		\$80,994
Total Expended:		\$145,000		
Balance to be expended		0		
Total Programmed:				\$145,000

Lanesboro Hatchery Brood Stock Raceways

Design and construct a cover and sides to enclose the brood stock raceways incorporating the existing 1/2 roof structure. This will provide the State's rainbow trout and brown trout brood fish low light conditions for a more comfortable environment and protection from predators. This structure also will provide a much improved work environment for employees for handling and spawning these brood fish. Work was completed on this project in 2003.

Lanesboro Hatchery Raceways 1 thru 8

Design and construction of eight new raceways that allow for better employee access making feeding, cleaning and fish removal chores more efficient. It was decided that it would be more practical to construct a new set of 8 raceways with a new building over them in a completely different area on the hatchery grounds. This decision was based upon the fact that putting a new building over the existing raceways would not meet code, as the building would be too close to the septic system and lift station which were installed in 1976. It was also decided that the existing raceways (built in 1935) needed major repair and to put a new building over them at this stage would probably be unwise. The old raceways will be used until such time that it is determined they must be torn down. The LCMR appropriation did not cover the cost of constructing a new pole building over the raceways. Additional funds will be secured to put the building over the raceways. Work on the new raceways was completed in 2004.

V. TOTAL PROJECT BUDGET:

All Results: Personnel: NA

All Results: Equipment: NA

All Results: Development: \$145,000

All Results: Acquisition: NA

All Results: Other:

TOTAL BUDGET: \$145,000

VI. PAST, PRESENT AND FUTURE SPENDING

A. Past Spending:

Years	Source	Amount
July 1995- June 1997	G&F/Trout stamp	\$ 140,000
July 1995 - June 1997	Bonding	\$ 50,000
1995 Appropriation	ETF	\$ 266,000
1997 Appropriation	ETF	\$ 400,000
July 1997- June 1999	G&F/Trout stamp	\$ 140,000
July 1997 - June 1999	General Funds	\$ 220,000
1998 Appropriation	Bonding	\$ 1,000,000
July 1999 - June 2000	G&F/Trout stamp	\$ 206,000
July 2000 – June 2001	Heritage	\$ 1,151,000
July 2000 – June 2001	G&F/Trout stamp	\$ 66,000
July 2001 – June 2002	Heritage	\$ 500,000
July 2001 – June 2002	G&F/Trout stamp	\$ 10,500

B. Current and Future Spending:

2001 Appropriation	Future Resource Fund	\$ 145,000
July 2002 – June 2003	Heritage	\$ 500,000
July 2003-June 2004	Game and Fish	\$ 1,000,000

The 1998 appropriation are currently being used to finish approved projects. As funds are available, the Division of Fish and Wildlife will continue to fund maintenance and improvements to fish culture facilities. The Division must rely on outside funding sources such as ETF in order to fund fish hatchery improvement and repair projects that are high priority buildings or tend to be larger, more costly projects. Additional unmet needs for high priority hatchery rehabilitation projects are:

1) Spire Valley rearing pond remodeling	\$ 20,000
2) Fry tanks and hatching jars	\$ 20,000
3) New London pond splitting project	\$ 371,000
4) French River Hatchery equipment building	\$ 80,000
5) Spire Valley Hatchery cold storage building	\$ 50,000
6) French River replacement of emergency generator	\$ 75,000
7) Duluth /L. Superior cold storage building	\$ 125,000
8) French River heat pump system	\$ 750,000
9) Lanesboro storage bldg / repair shop	\$ 225,000
10) Lanesboro building over raceway 1 – 8	\$300,000

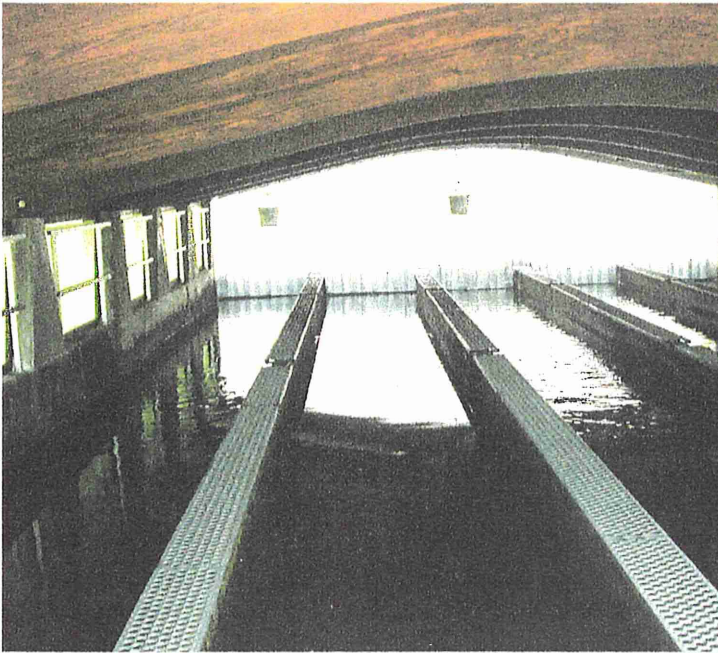
Total: \$ 2,016,000

C. Project Partners: none

VII. Dissemination:

VIII. Location: Lanesboro Hatchery Fillmore County: Town of Lanesboro: Latitude N43 41.959'; Longitude W91 59.677'

IX. Reporting Requirements: A work program report will be submitted not later than December 1, 2003 and June 30, 2004.



Broodstock Raceway Project



Raceways 1-8 Project