

FINAL REPORT

SEP 21 2001

1999 Project Abstract

For the Period Ending June 30, 2001

TITLE: Lakescaping for Wildlife and Water Quality

PROJECT MANAGER: Carrol Henderson

ORGANIZATION: Department of Natural Resources

ADDRESS: Box 25, DNR, 500 Lafayette Road, St. Paul, MN 55155

WEB SITE ADDRESS: www.dnr.state.mn.us

FUND: Environmental Trust Fund

LEGAL CITATION: ML 1999, Chapt. 231, Sec. 16, Subd. 14 (c).

APPROPRIATION AMOUNT: \$ 140,000

Overall Project Outcome and Results

The Lakescaping for Wildlife and Water Quality Initiative involved promotion of naturalizing lake shore property with native plants both on the upland and in the water. These concepts had been previously published in the DNR book "Lakescaping for Wildlife and Water Quality." The purpose of this project was to help accelerate public acceptance of this concept through a combination of workshops for lakeshore owners and creation of buffer zone demonstration sites.

A total of 14 workshops were carried out for 470 people. There were typically 8 presentors at each workshop from DNR Divisions of Waters, Ecological Services, Enforcement, and Fisheries as well as from other organizations and agencies. Many of the participants were subsequently involved with promotion of the lakescaping concept back at their own lake associations and within their own counties. The demand for this kind of stewardship information for lakeshore management has been growing exponentially.

There were 14 lakescaping for wildlife demonstration sites planted over the past two years. Most of these were on private land and involved a 3-1 public to private match. A total of \$3,000 were available for each site. All plantings involved use of local origin native plants. The plantings typically involved from 12 to 15 volunteers, including Master Gardeners.

Project Results Use and Dissemination

The lakescaping project on North Long Lake near Brainerd was filmed by WDSE Public Television from Duluth and aired this fall throughout the Midwest as part of the "Venture North" series and the site at Big Carnelian Lake was also featured on the Environmental Journal. Project sites are also featured on the new Lakescaping CD-Rom that is under production in the DNR.

Jan-8

Date of Report: September 13, 2001
LCMR Work Program Final Report
Date of Workprogram Approval: June 16, 1999
Project Completion Date: June 30, 2001

LCMR Work Program 1999

**I. PROJECT TITLE: Lakescaping for Wildlife and Water Quality Initiative
\$140,000**

Project Manager: Carrol Henderson

Affiliation: Division of Ecological Services, Department of Natural Resources

Mailing Address: DNR, Box 25, Division of Ecological Services, 500 Lafayette Road,
St. Paul, MN 55155

Telephone Number: 651-296-0700 **E-Mail:** carrol.henderson@dnr.state.mn.us

Fax: 651-297-4961

Web Page address: <http://www.dnr.state.mn.us>

Total Biennial Project Budget: \$140,000

\$LCMR:	\$140,000	\$ Match*	\$180,000+
-\$LCMR:	\$138,440	-\$Match Amount	\$180,000+
Spent		Spent:	
=\$LCMR Balance:	\$ 1,560	=\$Match Balance	-0-

* See Context for details on project funding from other sources, not required as match.

A. Legal Citation: ML 1999, Chap. 231, Sec. 16, Subd. 14 (c).

Appropriation Language:

(c) Lakescaping for Wildlife and Water Quality Initiative \$140,000

\$70,000 the first year and \$70,000 the second year are from the trust fund to the commissioner of natural resources in cooperation with the Minnesota Lakes Association to promote lakescaping for wildlife and water quality through workshops, demonstration sites and a registry program for lakeshore owners. The activities must include participant cost sharing.

B. Status of Match Requirement: N/A

II and III. FINAL PROJECT SUMMARY

The Lakescaping for Wildlife and Water Quality Initiative involved promotion of naturalizing lake shore property with native plants both on the upland and in the water. These concepts had been previously published in the DNR book "Lakescaping for Wildlife and Water Quality." The purpose of this project was to help accelerate public acceptance of this concept through a combination of workshops for lakeshore owners and creation of buffer zone demonstration sites.

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IV. OUTLINE OF PROJECT RESULTS:

- **Result 1:** LCMR Budget: \$ 30,000
Expended: 30,000
Balance: \$ 0
Completion date: October 14, 2000

A total of 14 workshops were carried out for 470 people. There have typically been at least 8 presenters at each workshop and nursery exhibitors, which adds at least another 70 participants. The workshops were planned in cooperation with the Minnesota Lakes Association, the Rivers Council of Minnesota, the Aquatic Plant Management Program of the Section of Fisheries in the DNR as well as personnel from the DNR Divisions of Waters, Wildlife, Enforcement, and local Lake Associations, Coalitions of Lake Associations, and other conservation groups. Jan Shaw Wolff from the Section of Ecological Services organized and coordinated the workshops. Two workshops were cancelled due to a low number of signups at Britt and Cloquet, and one additional workshop was added at Albert Lea.

- **Result 2:** LCMR Budget \$ 110,000
Expended: \$ 108,440
Balance: \$ 1,560
Completion date: June 30, 2001

Lakescaping habitat demonstration sites were created on 14 sites, and involved a cost share to participate. The Aquatic Plant Management Program of the Section of Fisheries cooperated with the Nongame Wildlife Program to carry out selection and implementation

of demonstration sites as a part of their ongoing grants program. The reduction in number of sites was necessary due to the increased cost associated with having one person travel statewide to manage the planning and installation of the demonstration sites. Demonstration sites have been initiated by DNR aquatic restoration specialist Leilani Peterson on the following sites:

Ottertail County: Wall Lake
Pope County: Barsness Park stream in Glenwood
Ottertail County: Wall Lake
Becker County: Two Inlets Lake
Becker County: Bejou Lake
Cass County: Ada Lake
Beltrami County: Kabekona Lake
Itasca County: Sugar Lake
St. Louis County: Embarrass Lake
Crow Wing Lake: North Long
Meeker County: Washington Lake
Winona County: Winona Lake
Dakota County: Marion Lake
Hennepin County: Fish Lake

V. DISSEMINATION: The information developed for this project was presented at the 14 workshops that are part of the program and WDSE-TV public television in Duluth has produced a feature story that was featured on Venture North in November. The Save our Shorelines slide program that was produced as part of this project has been duplicated as a videotape and as a power point presentation and has been distributed to DNR wildlife and fisheries offices as well as to other cooperators and to lake associations so they can share this with the public. Presentations were also made at meetings of the Minnesota Lakes Association and other lake association gatherings to provide updates on the progress of this effort.

VI. CONTEXT

A. Significance: Shoreland habitat is one of the most endangered habitats in Minnesota because when many people purchase shoreland property they eliminate the native terrestrial and aquatic vegetation and natural habitat structure that contributes to important fish and wildlife habitat and good water quality. This series of workshops, the creation of demonstration sites, and development of the registry program was intended to serve as a catalyst to change the way people design and manage their shoreland properties and lawns.

B. Time: This is a two-year project. A new lakescaping project has been funded at a level of \$325,000 for the next biennium as a part of LCMR project number CH-01.

C. Budget Context: In addition to the money that was provided for this project, the Division of Ecological Services has provided clerical support and the staff time of Jan Wolff to plan and carry out the 14 workshops. Division of Fisheries staff Jenny Winkelman and Mike Halverson of the Aquatic Plant Management Program provided staff time and support for development of the Save Our Shorelines video and slide program and coordination of the establishment of the demonstration sites and workshop presentations. The Nongame Wildlife Program supervisor provided staff time for coordinating the overall project. This has amounted to a total of \$60,795 expended by the Nongame Wildlife Program, and another \$126,000 by the DNR Divisions of Ecological Services, Fisheries, Waters, and Enforcement. Additional staff support was provided by DNR personnel from Fisheries, Ecological Services, Enforcement, Wildlife, and Waters. There were an average of 8 DNR resource people presenting at each workshop, so this represented a huge multi-disciplinary effort on behalf of this project.

1. BUDGET:

Personnel	\$ 55,000
Equipment	\$ -0-
Acquisition	\$ -0-
Development	\$ 58,000
Other	\$ 27,000
 TOTAL	 \$ 140,000

VII. COOPERATION:

The following individuals and organizations are the cooperators who ~~will carry out~~ carried out planning and implementation of this project. LCMR dollars ~~are~~ were not required for their salaries.

Carrol Henderson, Department of Natural Resources
Carolyn Dindorf, Hennepin Conservation District
Rivers Council of Minnesota
Minnesota Lakes Association
Mike Halvorson and Jenny Winkelman, Department of Natural Resources
Jan Wolff, Department of Natural Resources

VIII. LOCATION: Workshops were held in the following locations in 2000: Prior Lake (April 29), Detroit Lakes (May 6), Brainerd (May 20), Sandstone (June 3), Owatonna (June 10), Hackensack (June 17), Alexandria (July 7), Litchfield (August 12), Bemidji (August 19), Albert Lea (Sept. 8), Grand Rapids (September 23), St. Cloud (Sept. 30), Orono (October 7), and Lino Lakes (October 14).

IX. Reporting Requirements: A final work program report and associated products was submitted on September 13, 2001.

Attachment A: Deliverable Products and Related budget

LCMR Project Biennial Budget			
	Result 1	Result 2	Total
Budget Item	Workshops	Demo Sites	
Wages, salaries, benefits	\$3,000	\$52,000	\$55,000
Space, rental, maint., utilities	\$2,000		\$2,000
Printing/advertising	\$1,500		\$1,500
Communications/telephone	\$2,500		\$2,500
Professional/tech contracts	\$6,000	\$52,000	\$58,000
Other contracts/annual plans	\$11,000	\$3,000	\$14,000
Local auto mileage	\$500	\$2,000	\$2,500
Other travel expenses in MN	\$500	\$1,000	\$1,500
Office supplies			
Other supplies, books	\$3,000		\$3,000
Tools and equipment			
Office equip and computers			
Other capital equipment			
Other direct operating costs			
TOTAL	\$30,000	\$110,000	\$140,000