

LCMR Final Report - Abstract
Managing Minnesota Shipwrecks - ML 95, Chp. 220, Sec. 19, Subd. 12(f).

The project continued the effort to find, evaluate, preserve, and interpret underwater and shoreline historic resources. Previous studies had focused only on vessels in Lake Superior. In the current project, non-shipwreck harbor features were studied and inland waters were surveyed. A major effort was made to gain public support and to make findings easily accessible. The final objective was to produce a management plan for underwater cultural resources that was comprehensive, easy to interpret, and effective.

The first objective was to survey and evaluate underwater and water's-edge cultural resources in harbors along the North Shore. These resources include shipwrecks, slips, docks, and navigation aids. In Duluth, the area studied involved 24 miles of shoreline and approximately 6,000 acres of the inner and outer harbors. A total of 31 properties were identified and evaluated, of which 16 were deemed significant. Surveys were also undertaken at Knife River and Two Harbors. Only a dock structure from logging days was found at Knife River, but the Two Harbors survey found two shipwrecks, several dock structures, and an underwater railway used to haul fishing boats out of the water.

The next objective was to study shipwrecks in Minnesota's inland lakes and rivers. The literature search produced evidence of 110 wreck sites. Only 12 locations were verified as having potential for material remains still surviving. Three locations were selected for field investigation: Burntside Lake near Ely, the Mississippi River near Aitkin, and Lake Minnetonka. The vessels surveyed included the *Bull-of-the-Woods* (Burntside Lake), the *Swan* (Mississippi River), and the *White Bear* (Lake Minnetonka). Five other vessels were located in Lake Minnetonka using remote sensing.

The educational objectives of the project were met through several different formats. A conference on underwater cultural resources was held in Duluth on October 10-12, 1996. It was attended by almost 200 sport divers, archaeologists, historians, and members of the general public. A major presence on the Internet's World Wide Web was established at the Minnesota Historical Society's home page (www.mnhs.org, click on **Preserving the Past**, and then **Shipwrecks**). The page includes all of the National Register nominations for Lake Superior shipwrecks, the Inland Lakes and Rivers survey report, and a revised version of the management plan. The page is illustrated with color photographs of the shipwrecks and even video clips. Finally, an 11 x 17 inch colored map was made showing the locations of Minnesota's Lake Superior shipwrecks.

A management plan for underwater cultural resources was developed in close cooperation with the sport diving community in Minnesota. A draft version was presented at the shipwreck conference in Duluth to better define the objectives and clarify the implications of the plan. A second public meeting was held at the Minnesota History Center on November 11, 1996 with over 30 divers attending. The plan provides guidance for agencies and the public on how to protect and preserve underwater cultural resources, how to interpret them, and, where appropriate, make them more accessible. The plan does not call for new regulations, but provides interpretation of existing state and federal laws. It includes both general management recommendations and very specific recommendations for individual sites.

Date of Report: July 1, 1997

LCMR Final Work Program Update Report

I. Project Title and Number: Managing Minnesota Shipwrecks

Program Manager: Scott Anfinson
Agency: Minnesota Historical Society
Mailing Address: 345 Kellogg Blvd. W.
St. Paul, MN 55102
Phone: (612) 296-5434 scott.anfinson@mnhs.org
Fax: (612) 282-2374

A. Legal Citation: ML 95, Chp. 220, Sec. 19, Subd. 12(f).
Total Biennial LCMR Appropriation: \$ 100,000
Balance: \$ 0

This appropriation is from the future resources fund to the Minnesota state historical society to survey historic north shore shipping facilities and shipwrecks, survey shipwrecks in Minnesota inland lakes and rivers, organize a conference on underwater cultural resources, and revise the management plan. Supplemental funding must be requested and the results reported to the legislative commission on Minnesota resources.

B. Status of Match Requirement: N/A

II. Project Summary:

The project continued the effort to find, assess, preserve, and interpret significant underwater and shoreline historic resources associated with shipping. Previous LCMR-funded shipping studies in Minnesota (1990-91, ML 89, Ch. 335, Art. 1, Sec. 23, Subd. 9f; 1992-93, ML 91, Ch. 254, Art. 1, Sec. 14, Subd. 3h) focused only on vessels in Lake Superior. Harbor and coastal features were studied and inland waters were surveyed in order to better evaluate, protect, and interpret these shipping-related resources. In order to invest the public in the project and report on its progress, a conference was held in Duluth to discuss the underwater resources and shipping related features on the Great Lakes Region. A draft management plan was presented at the conference which was then refined based on conference input and other comments. The project involved local officials, sport divers, the Department of Natural Resources, and the general public.

III. Six Month Work Program Update Summary - July 1, 1997:

The Institute for Minnesota Archaeology (IMA) completed the field survey of Duluth Harbor (Objective A) in November 1995. They identified several structures which may be eligible for the National Register of Historic Places. The IMA has completed their report and a National Register nomination. Tidewater Atlantic Research was hired to complete a survey of Two Harbors and Knife River. Their field work was done in the spring of 1997.

Mid-Atlantic Technology was hired to complete a survey of shipwrecks in inland lakes and rivers (Objective B). The literature search identified 110 wreck sites. Sites in Lake Minnetonka, Burntside Lake, and the upper Mississippi River were examined. One National Register nomination was completed.

The Gales of November Conference agreed to jointly sponsor the Great Lakes Shipwrecks conference (Objective C). The conference was held October 10-12, 1996 at the Duluth Radisson Hotel. Almost 200 people attended. An application was made to the National Center for Preservation Technology and Training for a \$2,000 grant to help fund the conference, but the grant was not awarded.

Summit Envirosolutions was hired to complete the Management Plan (Objective D). Summit completed a draft version of the plan which was presented and discussed at the Duluth Conference on October 12, 1996 and at a public meeting in St. Paul on November 21, 1996. The revised version of the plan was then completed. LCMR staff approved a workplan amendment in April 1996 to allow a \$5,000 shift from Objective A to Objective D for information enhancement including advertising the Duluth conference and placing information about the shipwrecks project on the Internet. An extensive World Wide Web presentation on Minnesota shipwrecks is currently active on the Minnesota Historical Society's homepage (www.mnhs.org).

IV. Statement of Objectives:

Objective A: Survey of Lake Superior Shipping Facilities - This objective involves archival research and field survey to identify and evaluate historic shipping facilities in harbors and along the Minnesota shore of Lake Superior. A method of evaluating the importance of the features will be developed. National Register of Historic Places nominations may be completed for selected properties.

Objective B: Shipwrecks of Minnesota Inland Lakes and Rivers - This objective involves a literature search and underwater surveys in major rivers and lakes (e.g., Lake Minnetonka) to find and evaluate reported shipwrecks. National Register of Historic Places nominations may be completed for selected properties.

Objective C: Conference on Shipwrecks of the Great Lakes Region - This objective involves a conference to be held in Duluth to present the results of the Minnesota shipwreck surveys and discuss management options and recreational potentials. Archaeologists, historians, and public officials from Great Lakes states and provinces will be invited to attend as well as the general public.

Objective D: Management Plan - An earlier LCMR-funded project produced a draft management plan dealing with Minnesota shipwrecks. This plan will be revised to include recent findings and legal interpretations.

Timeline for Completion of Objectives:	7/95	1/96	6/96	1/97	6/97
Objective A. Survey of Lake Superior Shipping Facilities.				
Objective B. Survey of Shipwrecks in Inland Lakes and Rivers				
Objective C. Great Lakes Shipwreck Conference				
Objective D. Management Plan				

V. Objective/Outcome:

A. Title of Objective/Outcome: Survey of Lake Superior Shipping Facilities

A.1 Activity: Literature search, field survey, and National Register nominations.

A.1.a. Context within the project: The surveys will inventory historic sites associated with shoreline shipping facilities to assess their condition, plan for their protection, and promote interpretation.

A.1.b. Methods: Following an intensive literature search, field surveys will examine shoreline and submerged cultural resources in Duluth Harbor and along the North Shore. An evaluative method will be developed so the relative importance of historic properties can be considered in a uniform and justifiable manner. Based on the property types and registration requirements developed in the evaluation method document, National Register nominations will be completed for appropriate historic properties.

A.1.c. Materials: Minimal direct costs for materials and equipment are anticipated.

A.1.d. Budget

Total Biennial LCMR Budget: \$35,000
LCMR Balance: \$ 0
MATCH: N/A
MATCH Balance: N/A

A.1.e. Timeline:

	7/95	1/96	6/96	1/97	6/97
Product #1: Evaluation Report				
Product #2: Field Survey Report/NR Nominations				

A.1.f. Workprogram Update - July 1, 1997: The Institute for Minnesota Archaeology (IMA) has completed the field work, the final report, and a National Register nomination for the Duluth Harbor Survey. Tidewater Atlantic Research completed the survey of Two Harbors and Knife River.

B. Title of Objective/Outcome: Survey of Shipwrecks in Inland Lakes and Rivers

B.1 Activity: Literature search, field survey, and National Register nominations.

B.1.a. Context within the project: The surveys will inventory shipwrecks in Minnesota's rivers and inland lakes to build a basic inventory, assess their condition, plan for their protection, and promote their interpretation. Efforts will focus on Lake Minnetonka, the Mississippi River, and the Minnesota River.

B.1.b. Methods: Following an intensive literature search, field surveys will examine accessible shipwrecks. An evaluative method will be developed so the relative importance of historic properties can be considered in a uniform and justifiable manner. Based on the property types and registration requirements developed in the evaluation report, National Register nominations will be completed for appropriate historic properties.

B.1.c. Materials: Minimal direct costs for materials and equipment are anticipated.

B.1.d. Budget

Total Biennial LCMR Budget: \$40,000
LCMR Balance: \$ 0
MATCH: N/A
MATCH Balance: N/A

B.1.e. Timeline:

	7/95	1/96	6/96	1/97	6/97
Product #1: Evaluation Report				
Product #2: Field Survey Report/NR Nominations				

B.1.f. Workprogram Update - July 1, 1997: Mid-Atlantic Technology was hired to complete this objective. Their literature search found evidence for over 100 major shipwrecks in inland waters. Field work was completed in August 1996 and examined shipwrecks in Lake Minnetonka, in Burnside Lake near Ely, and in the Mississippi River near Aitkin. The final report and National Register nominations was completed in early 1997.

C. Title of Objective/Outcome: Great Lakes Shipwrecks Conference

C.1 Activity: Conference in Duluth

C.1.a. Context within the project: The conference will provide a broadly accessible forum to discuss results of the surveys and obtain ideas for the management plan.

C.1.b. Methods: The conference will be held in conjunction with the annual Gales of November Conference in Duluth which usually attracts several hundred recreational divers and shipwreck enthusiasts. Several nationally recognized speakers will be invited to attend to provide a larger context to Minnesota shipwreck studies, underwater archaeology, and cultural resource management. The conference will be widely publicized and open to the general public. Registration fees will be modest to encourage public attendance. The conference will be publicized on the Internet.

C.1.c. Materials: Conference brochure, program, poster, and Internet Publication; estimated production and printing budget is \$5,000.

C.1.d. Budget

Total Biennial LCMR Budget: \$10,000
LCMR Balance: \$ 0
MATCH: N/A
MATCH Balance: N/A

C.1.e. Timeline:

	7/95	1/96	6/96	1/97	6/97
Product #1: Program Plan and Arrangements				
Product #2: Registration Materials and Conference				

C.1.f. Workprogram Update - July 1, 1997: The Gales of November Conference agreed to co-sponsor the Great Lakes shipwreck conference. The conference was held at the Duluth Radisson on October 10-12, 1996. The SHPO applied to the National Center for Preservation Technology and Training for \$2,000 to help fund the conference, but the grant application was not successful. Almost 200 people attended the Duluth conference.

D. Title of Objective/Outcome: Management Plan

D.1 Activity: Revise and publish management plan

D.1.a. Context within the project: The management plan will address preservation needs, legal obligations, educational opportunities, and the possibility of an underwater park.

D.1.b. Methods: A draft management plan will be prepared and presented at the conference. Based on conference input and other comments, the plan will be revised. Input will also be sought from local officials, sport divers, the Department of Natural Resources, and the general public. The plan will assist the Minnesota Historical Society, the DNR, and local agencies in fulfilling their management responsibilities and interpretive opportunities with regard to underwater cultural resources.

D.1.c. Materials: Report printing and Internet publication is estimated to cost approximately \$5000. A slide scanner for Internet use will be purchased for \$648.00.

D.1.d. Budget

Total Biennial LCMR Budget: \$ 15,000
LCMR Balance: \$ 0
MATCH: N/A
MATCH Balance: N/A

D.1.e. Timeline:

	7/95	1/96	6/96	1/97	6/97
Product #1: Draft Plan				
Product #2: Final Plan				

D.1.f. Workprogram Update - July 1, 1997: Summit Envirosolutions completed a draft comprehensive management plan for underwater cultural resources in Minnesota. The plan was presented to the Duluth conference and at a public meeting held in St. Paul on November 21, 1996. A final plan was then prepared. An extensive effort has been made to present the management plan and data gathered from the shipwreck projects on the World Wide Web. The information can be found on the Minnesota Historical Society's homepage (www.mnhs.org).

VI. Evaluation: The conference will present the results of this project and previous shipping related projects to scholars and the public. Their comment will be actively sought at the conference through evaluation forms and a roundtable discussion. The draft plan also will be sent to state agencies, professional historians and archaeologists, and other interest groups to obtain their input. The inventories, historical reports, and archaeological survey reports will provide an accessible library of information for scholars and the public. The National Register nominations and Management Plan will provide a framework for managing the resources.

VII. Context within field: The project should round out the knowledge of historic underwater cultural resources in Minnesota which currently consists of Lake Superior shipwrecks and northern border fur trade sites. It will assist the State Historic Preservation Office in reviewing impacts to the resources. It will assist and enhance the interpretation of these resources by the Minnesota Historical Society, state agencies, and local groups.

VIII. Budget context: The Project Manager is the National Register archaeologist for the State Historic Preservation Office (SHPO) who over the last two years has spent approximately 5% of his time managing shipwrecks. During the two-year project time period approximately 10% of his time will be spent dealing with shipwrecks. The SHPO also provides staff to evaluate development projects in Minnesota which could impact underwater cultural resources. SHPO staff will monitor the survey components of the project and provide leadership in organizing the conference and drafting, editing, and disseminating the management plan.

IX. Dissemination: The inventory information will be on file at the Minnesota Historical Society. Copies of the survey reports will be sent to appropriate libraries. The conference will be open to the public. The Management Plan will be sent to State Agencies and other stakeholders.

X. Time: The project will be completed by the end of the biennium.

XI. Cooperation: The majority of the work on the project will be accomplished by hiring independent contractors through an open bidding process. The Program Manager will spend 10% of his time on the project, but his salary and benefits will not come out of project funds.

XII. Reporting Requirements: Semiannual six-month workprogram update reports will be submitted not later than January 1, 1996, July 1, 1996, January 1, 1997, and a final six-month workprogram update, and final report by June 30, 1997.

XIII. REQUIRED ATTACHMENTS:

- 1. Qualifications: (see attached vitae)
- 2. Project Staffing Summary: N/A (No MHS staff members will be paid out of project funds.)