

## DOCUMENT RESUME

ED 325 349

SE 051 685

AUTHOR Pennisi, Christine; Goettel, Robin, Ed.  
 TITLE Appreciating Your Great Lakes. A Guide for Developing Educational Projects. 4-H Marine Education Series - 2.  
 INSTITUTION Illinois Univ., Urbana. Cooperative Extension Service.; Iowa Univ., Iowa City. Center for the Advanced Study of Communication.  
 SPONS AGENCY National Oceanic and Atmospheric Administration (DOC), Rockville, Md. National Sea Grant Program.  
 PUB DATE Jun 89  
 CONTRACT COMM-NA85AADSG-0830N  
 NOTE 101p.; A publication of the Illinois-Indiana Sea Grant Program.  
 AVAILABLE FROM Office of Agricultural Communications and Education, University of Illinois at Champaign-Urbana, 693G Mumford Hall, 1301 West Gregory Drive, Urbana, IL 61801 (\$4.00 price is subject to change, 10-49 copies 10% discount, 50+ copies 20% discount).  
 PUB TYPE Guides - Classroom Use - Guides (For Teachers) ((52) -- Reference Materials - Directories/Catalogs (132) )  
 EDRS PRICE MF01 Plus Postage. PC Not Available from EDRS.  
 DESCRIPTORS Career Awareness; Culture; Ecology; Economics; \*Environmental Education; History; \*Instructional Materials; \*Marine Education; Natural Resources; \*Reference Materials; \*Science Activities; Science Education; Secondary Education; \*Secondary School Science  
 IDENTIFIERS \*Great Lakes

## ABSTRACT

The Great Lakes are the largest series of fresh water bodies in the world. They are used for a wide variety of purposes by the 37 million citizens of the United States and Canada who live near the lakes and share this resource. This guide is intended to guide youth in acquiring training and field experience related to the Great Lakes in areas such as ecology, marine careers, natural resources, economics, recreation, history, and culture. This project guide for students in grades 6-12 suggests activities for learning about the Great Lakes and provides an extensive list of references and resources for further study. Units include: (1) "Recreation"; (2) "Heritage"; (3) "Ecology"; and (4) "Economics." Each includes objectives and suggestions for activities at the beginning, intermediate, and advanced levels. The reference section, which constitutes the bulk of the guide, lists resources organized by media type including audiovisuals, maps and charts, software, and publications. Within each section, the resources are organized by content topic. (CW)

\*\*\*\*\*  
 \* Reproductions supplied by EDRS are the best that can be made \*  
 \* from the original document. \*  
 \*\*\*\*\*



Illinois-Indiana  
Sea Grant  
Program

# Appreciating Your Great Lakes

A Guide for Developing Educational Projects



"PERMISSION TO REPRODUCE THIS  
MATERIAL IN MICROFICHE ONLY  
HAS BEEN GRANTED BY

*Robin E. Goettel*

TO THE EDUCATIONAL RESOURCES  
INFORMATION CENTER (ERIC)"

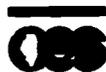
ERIC

Full Text Provided by ERIC  
DEPARTMENT OF EDUCATION  
Office of Educational Research and Improvement  
EDRS  
Full Text Provided by ERIC

IL-IN-SG-E-89-1  
2500 June 1989  
COMM-NA85AADSG 0830N

Published by the Illinois-Indiana Sea Grant Program with funding from the National Sea Grant College Program, National Oceanic and Atmospheric Administration, U.S. Department of Commerce.

This work is a result of research sponsored by NOAA, National Sea Grant College Program, Department of Commerce, under Grant COMM-NA85AADSG 0830N. The U.S. Government is authorized to produce and distribute reprints for governmental purposes not withstanding any copyright notation that may appear hereon.



Helping You  
Put Knowledge to Work

**Illinois  
Cooperative  
Extension  
Service**

University of Illinois  
at Urbana-Champaign  
College of Agriculture

---

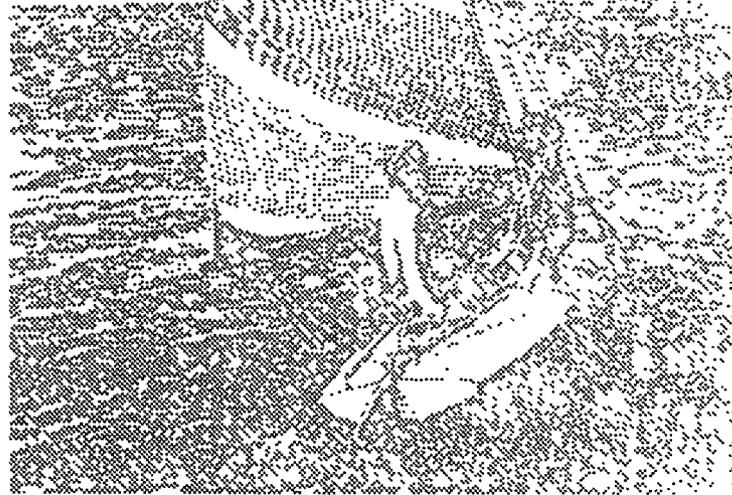
Issued in furtherance of Cooperative Extension Work, Acts of May 8 and June 30, 1914, in cooperation with the U.S. Department of Agriculture. Donald L. Uchtmann, Acting Director, Cooperative Extension Service, University of Illinois at Urbana-Champaign.

The Illinois Cooperative Extension Service provides equal opportunities in programs and employment.



# Appreciating Your Great Lakes

A Guide for Developing Educational Projects



## 4-H Marine Education Series - 2

4-H Youth Programs, Cooperative Extension Service,  
University of Illinois and Purdue University

*Appreciating Your Great Lakes* has been adapted from:  
*Guide to Projects and Activities for the 4-H Great Lakes Heritage Program*,  
produced by Michigan State University

Writer: *Christine Pervisi*

Editor: *Robin Goettel*

Editorial Assistants: *Robbie Chandra, Anne Dueweke, Cloydia Larimore, and Marci Unes*

Designer: *Marisa Meador*

We would like to acknowledge *Tom Makowski, Steve Smidley, and SuAnn Holmstrom* for their assistance in the early stages of this project and thank the *Michigan Sea Grant College Program, the Minnesota Sea Grant College Program, the Ohio Sea Grant College Program, and the University of Wisconsin Sea Grant Institute* for their prompt review and valuable suggestions for improving this guide.



## TABLE OF CONTENTS

Introduction to the Activity Section .....	1
Unit I. Recreation .....	2
A. Boating	
B. Sportfishing	
C. Sailing	
D. Other Water Sports and Safety	
Unit II. Heritage .....	4
A. Our Great Lakes Heritage	
B. The History of Canals in the Midwest	
C. Arts and Crafts of the Great Lakes	
D. Disasters of the Great Lakes	
Unit III. Ecology .....	6
A. Great Lakes Urban and Natural Ecology	
B. Wetland	
C. Wildlife and Waterfowl	
Unit IV. Economics .....	8
A. Great Lakes Commerce	
B. The Economic Importance of Canals	
C. Commercial Fishing	
D. Marine Industry	
E. Recreation Economics	
Appendix	
How to Use the Reference Section .....	11
Audiovisuals .....	12
Maps and Charts .....	16
Computer Software .....	21
Publications .....	23



## INTRODUCTION TO THE ACTIVITY SECTION

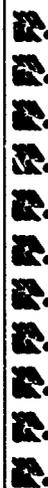
The Great Lakes are the largest series of fresh water bodies in the world. They are used for a wide variety of purposes by the 37 million Americans and Canadians who live near the lakes and share this outstanding natural resource. We learn about the five Great Lakes in school—about their contribution to our country's history and the battles that were fought over them—but few Americans realize the importance of the lakes to our economy, recreation and well being.

The Great Lakes Basin has been inhabited for centuries—first by the Indians who revered “the big water” and later by the Europeans who explored and settled the region. The settling of the Great Lakes Basin has brought substantial changes in the lakes' ecology. The by-products of industry and the demands of densely populated cities have created unnatural effects on these magnificent water bodies. Activities such as intensive farming, urbanization, waste disposal, and transportation are a few of the main contributors to the pollution problems in the lakes.

*Appreciating Your Great Lakes* is intended to guide youth in acquiring training and field experience related to the Great Lakes, in areas such as ecology, marine careers, natural resources, economics, recreation, history, and culture. By providing youth with a greater awareness of the Great Lakes' opportunities and problems, we can foster a commitment to protecting and enhancing Great Lakes resources in the future.

This project guide for students in grades 6-12 suggests activities for learning about the Great Lakes and provides an extensive list of references and resources to use for further study. It must be emphasized that this is not a workbook or a teaching manual, but rather a resource guide for building a program to suit the students' particular interests.

The Great Lakes projects and activities described in this guide can be selected by 4-H youth leaders and members, or school teachers and students. It is suggested that “beginning level” activities be directed toward the 12-14 age group, “intermediate level” activities toward the 14-16 age group, and the “advanced level” activities toward the 16 and older age group.



## Unit 1. Recreation

### Objectives

- To familiarize students and club members with various water-related recreational activities including boating, fishing, sailing, and other water sports on the Great Lakes.
- To create an awareness of water safety as required in a" of these activities.

### A. Boating

#### *Beginning*

- Learn characteristics and functions of different kinds of boats. Distinguish power from nonpower boats.
- Learn basic boating and water safety on the Great Lakes.

#### *Intermediate*

- Study the evolution (history, design) of a type of watercraft (such as a canoe) used on the Great Lakes.
- Design and build a functional model boat used on the Great Lakes.
- Ride in one of these canoes or other boats to study the function and operation of the watercraft.\*
- Study water navigation rules and regulations on the Great Lakes.

#### *Advanced*

- Design and build a man-sized craft (canoe) used on the Great Lakes.
- Organize a canoe-heritage tour following the Great Lakes route of an Indian tribe.
- Use a canoe or other boat as a tool from which to study and gather forms of marine life.\*

\* Small boats (less than 20 ft.) including canoes can be dangerous on the Great Lakes because of large waves, sudden storms, and cold water. Extreme caution should be used when in small boats in open Great Lakes water.

### B. Sportfishing

#### *Beginning*

- Learn to identify Great Lakes sportfish.
- Learn the roles of these fish in the food chain.
- Understand how one of these fish lives (its bioecology).
- Learn about conservation of these fish.
- Understand the basics of Great Lakes fishing.
- Learn safety while fishing in the Great Lakes.

#### *Intermediate*

- Develop an understanding of Great Lakes fish habitat.
- Recognize the value of Great Lakes fishing to recreation in your state.
- Learn fish printing.
- Learn Great Lakes fish rod building.
- Study how Great Lakes fish are used as food.

#### *Advanced*

- Study the principles of managing the Great Lakes sportfishery.
- Learn preparation and preservation techniques for these fish.
- Prepare a presentation to teach Great Lakes fishing techniques.





## C. Sailing

### *Beginning*

- Learn about parts of a sailboat.
- Learn the different types of sailboats (Look at size, number of sails, passenger load.)
- Read about the history of sailing on the Great Lakes.

### *Intermediate*

- Study current usage of sailboats on the Great Lakes.
- Become familiar with sailing techniques on these Lakes.
- Learn sailing navigation rules and regulations on these Lakes.

### *Advanced*

- Study the future of sailing on the Great Lakes.
- Design a blueprint for constructing a recreational sailboat.
- Construct a sailboat that is safe for use on the Great Lakes.
- Become involved in sport sailing on these Lakes.

## D. Other Water Sports and Safety

### *Beginning*

- Learn essentials of water safety.
- Become aware of other types of water sports that take place on the Great Lakes besides boating, sailing, and sportfishing.
- Discover why long exposure to Great Lakes water can cause hypothermia.

### *Intermediate*

- Learn how swimming rules differ between a swimming pool, small inland lake, and one of the Great Lakes.
- Learn to snorkel.
- Understand why people are concerned about cold-water near drowning in these lakes.

### *Advanced*

- Take a scuba diving course and learn scuba techniques used in the Great Lakes.
- Take a lifesaving course used for larger open lake beaches.
- Learn techniques to treat cold-water near drowning victims.
- Give a presentation on hypothermia prevention in water.



## Unit II. Heritage

### Objectives

- To understand and appreciate the cultural factors of the Great Lakes and their connecting waterways, which have contributed to our way of life.
- To gain knowledge of the historical factors, physical factors, and events important to the development of Great Lakes communities and cities.
- To help develop a sense of responsibility for the conservation and restoration of our Great Lakes heritage.

### A. Our Great Lakes Heritage

#### *Beginning*

- Find out about the heritage of your Great Lake from the time of the American Indians to the present.
- Learn about points of historical interest around your Lake.
- Read the writings of some of the early explorers of your Lake.
- Learn a folktale about your Lake.

#### *Intermediate*

- Study historic patterns of human migration to your Great Lake region.  
Study methods of transport used in the migration to your Lake.

- Explore the question: "How, why, and when did my family come here?"
- Learn about interstate and international laws affecting your Great Lake.
- Determine how water transportation affected the settlement of your Lake region.

#### *Advanced*

- Study folktales and songs of the people who have inhabited your Great Lake region in the past.
- Research and document local songs or feature stories about present inhabitants.
- Present or publish these songs or stories.
- Develop and present heritage projects to the community through news, photos, displays, speeches, or dialogues.
- Develop and present a program on the state, interstate, and international laws and treaties affecting your Great Lake.

### B. The History of Canals in the Great Lake Region

#### *Beginning*

- Learn the purpose of building a canal.
- Find out when plans began for the earliest canals in the Great Lakes region.
- Find out how much it cost in the past to ride on a canal.
- Learn the advantages of a canal.





**Intermediate**

- Find out what traveling was like on a canal in the 1800s.
- Trace the construction period of one of the major canals, such as the Illinois and Michigan Canal, the Erie Canal, and the Wabash and Erie Canal.
- Discover how the length of transportation time on canals was reduced.
- Research newspaper articles from the 1800s describing the canal events taking place.
- Find out which canals are national historic landmarks in the Great Lakes region.

**Advanced**

- Visit a canal and examine the surrounding vegetation and wildlife to see how canals have changed the landscape.
- Present a demonstration on how a canal works.
- Find out what products were shipped on a canal in the 1800s.
- Compare the early canals with canals of today.
- Write or visit a historical society and obtain information about the early Great Lakes canals.

**C. Arts and Crafts of the Great Lakes Region**

**Beginning**

- Learn the purposes and origins of arts and crafts developed in the Great Lakes region.
- Learn American Indian arts and crafts, such as macrame and woodcarving.
- Study model shipbuilding to learn about ships of the Great Lakes past.
- Learn to distinguish art from craft.

**Intermediate**

- Make a fishing net using macrame.
- Carve a Great Lake duck decoy.
- Learn how to build to scale (model shipbuilding).
- Write a narrative or essay based on a Great Lake historical event.
- Paint or photograph an historic Great Lakes site or area.

**Advanced**

- Make a presentation about the arts and crafts related to your Great Lakes region.
- Learn how to prepare a documentary presentation on the heritage of your Lake.
- Prepare a pictorial exhibition on an historical Great Lakes theme.

**D. Disasters of the Great Lakes**

**Beginning**

- Study how storms develop on the Great Lakes.
- Learn about the major storms of your Lake.
- Distinguish between storm-related and other types of disasters that have affected the Great Lakes.
- Identify people and other resources to help document your Lake's disasters.

**Intermediate**

- Understand the difference between short-term (shipwreck) vs. long-term (ecological) disasters.
- Learn methods of keeping records about Great Lakes disasters.
- Develop accounts of some recent Great Lakes disasters.
- Obtain permission to see records and locate historical information on a Great Lakes disaster (e.g., shipwreck or flood).

**Advanced**

- Prepare a presentation on disasters of the Great Lakes.
- Show how study and research attempt to control and prevent the recurrence of disasters.



## Unit III Ecology

### Objectives

- To learn about Great Lakes natural resources; how and why they exist; and how they interrelate with each other, the environment, and people.
- To learn how to protect and improve the Great Lakes environment through conservation and management, which will help foster a better quality of life for the people in surrounding communities.

### A. Great Lakes Urban and Natural Ecology

#### *Beginning*

- Become aware of the watershed in your Great Lakes area.
- Learn to distinguish phytoplankton from zooplankton. Give a Great Lakes example of each.
- Learn what is meant by water quality control.
- Describe some examples of toxic pollutants.
- Find out about the many uses for water in your Great Lakes region.
- Determine what agencies assist in the management of water supplies in your area.
- Learn about shoreline erosion in your Lake region.

#### *Intermediate*

- Examine the importance of watersheds in Great Lakes management.
- Study the role of water in the Great Lakes food chain.
- Learn about some toxic pollutant issues in your Lake region.
- Identify examples of shoreline erosion in your Lake region.
- Survey Great Lakes water uses and needs in your community.
- Learn to test Great Lakes water and the environment for factors such as clarity, plankton, bottom temperature, flora and fauna, and pollutants.
- Learn about a city wastewater treatment plant.
- Examine the relationship between urbanization and Great Lakes flooding.

#### *Advanced*

- Construct a model of a Great Lakes watershed and discuss its importance to your community.
- Demonstrate water quality control, shoreline erosion, or the ecological impact of some aspects of urban waterfront development on your Great Lake.
- Using a team approach, do an ecosystem analysis of a waterfront that is being considered for a number of uses. Compare results of your analysis with your state's Department of Conservation or natural resources agency and the state or federal Environmental Protection Agency.
- Prepare an ecological analysis comparing water, plankton, and bottom samples of two locations on your Great Lake.

## B. Wetlands

### *Beginning*

- Learn the definition of a habitat.
- Understand what is meant by the term "wetlands."
- Become aware of what flora and fauna are found in wetlands associated with the Great Lakes.

### *Intermediate*

- Identify and study different types of wetland habitats associated with the Great Lakes.
- Learn the value of a wetland to the community.
- Study how people have used, abused, and protected wetlands near your Lake.

### *Advanced*

- Prepare a study of a Great Lakes wetland through a one-year cycle.
- Compare information from the study of two types of wetlands.
- Using biomass surveys, compare a wetland with another land type.
- Prepare an ecosystem analysis for a Great Lakes wetland, including the human impact.

## C. Wildlife and Waterfowl

### *Beginning*

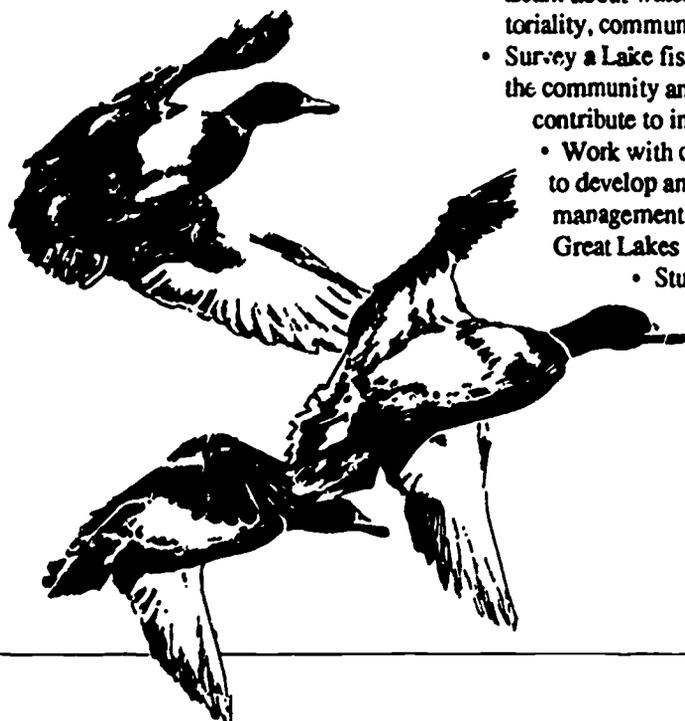
- Distinguish aquatic from terrestrial life around the Great Lakes.
- Learn about the various levels of a Great Lakes food chain.
- Become aware of our relationship to other forms of Great Lakes fish and wildlife.
- Learn to identify different animals, including waterfowl, by their different physical characteristics.
- Learn about the Great Lakes habitat of one of these fish, waterfowl, or other animals.

### *Intermediate*

- Construct a hidden observation post or aquarium, and study feeding habits of Great Lakes fish and wildlife.
- Study the role of Great Lakes fish and wildlife in your community.
- Help to create or preserve a habitat for one species of Great Lakes wildlife by planting food patches, or constructing feeding stations, brush piles, or nest boxes.
- Study how change in one wildlife species affects the environmental community.

### *Advanced*

- Identify and study five species of Great Lakes fish and wildlife.
- Study what attracts and what deters wildlife and fish from your Lake region.
- Learn about waterfowl behavior (e.g., territoriality, communication).
- Survey a Lake fish or wildlife resource in the community and describe how you can contribute to improving the resource.
  - Work with community representatives to develop and implement a wildlife management plan for a designated Great Lakes site.
  - Study and compare one species of fish, animal, or waterfowl in two different environments.



## Unit IV. Economics

### Objectives

- To create an awareness of water-related commerce in the Great Lakes region.
- To explain the important role canals played in the economic development of the Great Lakes area.
- To develop a knowledgeable understanding of the marine industry in the Great Lakes region.
- To identify careers in professional, technical, and business fields related to the Great Lakes.

### A. Great Lakes Commerce

#### *Beginning*

- Learn about the St. Lawrence Seaway.
- Obtain a Great Lakes navigational chart and learn some of its symbols.
- Learn how to identify foreign ships.
- Learn about the major ports along your Lake.
- Study types of jobs related to Great Lakes commerce.

#### *Intermediate*

- Study the economic importance of Great Lakes commerce to your area.
- Examine how a Great Lakes tug fleet interacts with and depends on commerce.
- Explore a Great Lakes commerce career that interests you.

#### *Advanced*

- Visit agencies or businesses involved in Great Lakes commerce.
- Prepare a presentation on commercial ships and ports of your Lake.
- Give a presentation on the history of Great Lakes commerce and its impact on economic development in your community.
- Study elements of Great Lakes commerce from local, national, and international perspectives.

### B. The Economic Importance of Canals

#### *Beginning*

- Learn about the economic importance of the Great Lakes canals in the early days.
- Discuss why both eastern merchants and midwestern farmers wanted canals.
- Find out what goods were shipped on canals.
- Determine how much it cost to build the major canals such as the Erie Canal, the Illinois and Michigan Canal, and the Wabash and Erie Canal.

#### *Intermediate*

- Discover why the Great Lakes canals became a major factor in the development of the northern Great Lakes states.
- Find out the economic impact of industrialization on canals.
- Become aware of the economic value of using the canal system versus other available transportation in the 1800s.
- Explain how canals helped the economic development of the United States.

#### *Advanced*

- Find out the employment benefits that came about when Great Lakes canals were being built.
- Describe the economic price (intermediate effect) on freight rates and the prices of goods with the opening of the canal.
- Discover why railroads played an important role in the decline of canals.
- Prepare a presentation on the economic impact of the Great Lakes canals in your area.
- Locate geographical maps from the 1800s and today; do a demonstration on the role canals played in urbanizing an area.

Vertical text on the right margin, possibly a page number or identifier.

## C. Commercial Fishing

### *Beginning*

- Learn about commercial fishing in the Great Lakes.
- Study the history of commercial fishing on the Great Lakes.
- Become familiar with equipment used in commercial fishing.
- Compare supermarket prices of different Great Lakes fish.

### *Intermediate*

- Study commercial fishing laws and regulations about your Great Lake.
- Learn about commercial fishery management techniques used for your Great Lake.
- Trace the food production cycle of commercially caught Great Lakes fish.
- Learn basic commercial fishing economics.
- Study the effect of Great Lakes chemical pollutants on the commercial fishing industry.
- Visit a local fishery.

### *Advanced*

- Give a presentation demonstrating past and present commercial fishing techniques used in your Great Lake.
- Write a report on the economic importance of fish from the time of the early American Indians to the present.
- Prepare a presentation on chemicals in fish and their impact on the commercial fishing industry.
- Design a plan for the management of commercial fishing in your Great Lake.

## D. Marine Industry

### *Beginning*

- Learn what is meant by the term "marine industry."
- Become aware of how the marine industry affects life in your community.
- List what environmental problems are created by the Great Lakes marine industry.
- Name some types of commercial goods transported on the Great Lakes.
- Learn about shipbuilding and ship repair on the Great Lakes.

### *Intermediate*

- Identify several types of Great Lakes marine industries.
- Prepare a map showing the location of marine industries in your community.
- Visit a Great Lakes marina.
- Have a speaker on Great Lakes water surface transport talk to your club or class.
- Compare the marine industry in your community with that of other major Great Lakes cities, with other American cities, or with cities in other countries.
- Identify agencies and laws that control the Great Lakes marine industry in your community or state.

### *Advanced*

- Give a report on Great Lakes transportation of various commodities.
- Prepare a presentation showing the contribution of the Great Lakes marine industry to the total economy of your community and state.
- Compare the training and experience necessary to obtain marine-based jobs with that necessary for land-based jobs.





## **E. Recreational Economics**

### ***Beginning***

- Learn about the waterfront recreational development in your Great Lakes community.
- Become aware of the economic importance of recreation to your Great Lakes area.
- Become familiar with recreational opportunities available in your area in the past and present.
- Find out about plans for future recreation developments in your Great Lakes area (this includes economic incentives for recreational types of development).

### ***Intermediate***

- Examine a map of your community and determine how much Great Lakes waterfront is available for recreational use.
- Study the waterfront recreational development plans for your Great Lakes community.
- Compare the waterfront recreational development in your community with that of other communities.
- Become familiar with laws and regulations governing Great Lakes waterfront recreation.
- Study efforts to preserve natural resources as part of this waterfront recreation.

### ***Advanced***

- Prepare a presentation that provides an overview of waterfront recreational development in your Great Lakes community.
- Conduct a survey that will help you determine who uses your Great Lake waterfront for recreation, and what types of recreation are most popular.
- Prepare a waterfront recreational development plan for your Great Lakes community.
- Participate in your community's government program for Great Lakes waterfront recreational development.

# HOW TO USE THE REFERENCE SECTION

The appendix is divided into four reference categories—audiovisuals, maps and charts, computer software, and publications. The reference categories are subdivided into the units (I, II, III, IV) and subheadings (A, B, C, D, E) presented earlier in the activity section of this guide. For example, a book about boating as a recreational activity will be listed in the publications section under the heading *IA. Boating*.

Reference citations are listed in alphabetical order under each subheading in the four unit sections. The citations will assist you in determining which resource pertains to your chosen activity. Each entry is presented as follows:

Title  
 Author/editor  
 Date Format description Cost (if known)  
 Brief abstract  
 Source

Some references are more technical than others because this guide is written for students in grades 6-12. Additional citations are also included in the reference section that do not directly apply to the activities described on pages 2-10. This was done to aid teachers in developing original activities geared to specific students' skill levels.

Because of the large numbers of Sea Grant publications included in this appendix, the addresses of each Sea Grant Program have been provided on a separate page rather than repeatedly including them in each entry.

When a reference applies to more than one topic area, it will appear in all relevant areas. However, only the first listing will contain the complete information. Any subsequent listing will simply state the title and refer the reader to the relevant unit and subheading to locate the complete citation. When you are referred to another section you might want to check other citations in that section for additional information pertaining to your selected activity.

Because references are often updated, it is advisable to contact the source to see if more current information has been developed. You might also find that additional related resources (e.g., videotapes, software, less technical references) have been developed to supplement an existing reference. It is advisable to contact your state's Sea Grant Program for its latest publications guide or reference listings. Note that pricing information may have changed since the printing of this guide.

Since many of these citations were collected from other resource/reference listings, some information may be incomplete. If you have trouble locating any of the references, please contact Christine Pennisi, Marine Extension adviser, Illinois-Indiana Sea Grant Program, 4200 W. Euclid Avenue, Rolling Meadows, IL 60008; Phone: 312/991-1160.

## Contents

### *Audiovisuals*

I. Recreation .....	12
II. Heritage .....	13
III. Ecology .....	14
IV. Economy .....	15

### *Maps and Charts*

I. Recreation .....	16
II. Heritage .....	17
III. Ecology .....	17
IV. Economy .....	19

### *Software*

I. Recreation .....	21
II. Heritage .....	21
III. Ecology .....	21
IV. Economy .....	22

### *Publications*

I. Recreation .....	23
II. Heritage .....	37
III. Ecology .....	46
IV. Economy .....	72



## IA. Boating

### *Mariner Reports for Safety at Sea*

By: National Weather Service (NWS)  
1987 VHS videotape 10 min.  
Free (on loan)

Explains how recreational boaters are trained to observe and report weather information that can assist the NWS and fellow boaters.

Obtain from: Your nearest Sea Grant office—see address list.

## IB. Sportfishing

### *Salmon Story*

1976 16mm Film 28 min.

Recounts the effects of salmon on Great Lakes communities from prehistoric times to present.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

### *The Trouble with Toxics*

By: Michigan Sea Grant College Program  
1987 VHS videotape 30 min.  
3/4 inch: \$75.00 1/2 inch: \$35.00

Illustrates the challenge of dealing with the hundreds of contaminants in the Great Lakes, including their effects on Great Lakes fish.

Obtain from: Cooperative Extension Service, MSU Bulletin Office, 10-B Agriculture Hall, Michigan State University, East Lansing, MI 48824-1039.

## IC. Sailing

### *Sailing...Do It Right...Keep It Safe*

By: Modern Talking Pictures Service, Inc.  
28 min.

Reviews terms, techniques and equipment for sailing.

Obtain from: Modern Talking Pictures Service, Inc., 2323 New Hyde Park Rd., New Hyde Park, NY 11040.

### *This is Sailing #1: Introduction to a Sailboat*

By: University of Wisconsin Extension  
1974 20 min.

Identifies parts of a sailboat the rigging process and landing.

Obtain from: University of Wisconsin Extension, 1327 University Ave., PO Box 2093, Madison, WI 53701.

### *This is Sailing #2: First Essential Skills*

By: University of Wisconsin Extension  
1974 20 min.

Diagrams how wind causes a sailboat to move at various angles; demonstrates tacking and jibbing; and covers sail trim, hull balance, mooring and landing.

Obtain from: University of Wisconsin Extension, 1327 University Ave., PO Box 2093, Madison, WI 53701.

### *This is Sailing #3: More Advanced Techniques*

By: University of Wisconsin Extension  
1974 20 min.

Explains reef sailing and sailing on the jib alone under severe weather conditions using sailboats 47 feet and larger. Also discusses capsizing, recovery, and beaching.

Obtain from: University of Wisconsin Extension, 1327 University Ave., PO Box 2093, Madison, WI 53701.

## ID. Other Water Sports and Safety

### *American Red Cross Film List*

A comprehensive list of water safety and small craft handling films.

Obtain from: Mid-American Chapter, American Red Cross, 43 E. Ohio St., Chicago, IL 60611; (312)440-2038.

### *Drown Proofing*

30 min.

Shows how to stay afloat and travel in water even if you have learned to swim.

Obtain from: University of Wisconsin Extension, 1327 University Ave., PO Box 2093, Madison, WI 53701.

### *Hypothermia: The Cold Facts*

1987 VHS, BETA, and 3/4 inch tape  
30 min. \$60.00 to purchase, \$30.00 to rent

Covers current research on hypothermia; how to prevent it; and how to survive in cold water.

Obtain from: Minnesota Sea Grant Program—see address list.

### *Water: Friend or Foe?*

1973 23 min.

Dramatizes a variety of still and moving water situations illustrating the importance of practicing basic safety rules to avoid accidents. Includes water rescue techniques.

Obtain from: University of Wisconsin Extension, 1327 University Ave., PO Box 2093, Madison, WI 53701.

### *Waterproof Your Family*

By: Michigan Sea Grant and Dive Rescue Inc. Intl.  
1987 VHS-75 min. Slide tape show-20 min.  
Also includes 28-page instructor's guide, handouts,  
and posters. \$249.95

Complete community education program focuses  
on drowning survival skills for all ages.

Obtain from: Dive Rescue Inc. International, 2619  
Canton Court, Fort Collins, CO 80525; (303)482-  
0887.

### *What You Can Do for Cold Water Near Drowning*

By: Dive Rescue, Inc. International  
1979 Slide/tape 20 min. \$49.95

Explains what happens to the body in cold water  
that aids survival. It emphasizes the rescue  
technique of CPR.

Obtain from: Dive Rescue Inc./International, 2619  
Canton Court, Fort Collins, CO 80525; (303)482-  
0887.

## IIA. Our Great Lakes Heritage

### *Great Lakes Connection, The*

By: U.S. Army Corps of Engineers  
1978 20 min.

Obtain from: Modern Talking Pictures Service,  
Inc., 2323 New Hyde Park, NY 11040.

### *Greatest Lakes, The*

1984 VHS, BETA, 3/4 inch, and 16 mm.  
28 min.

Presents the story of how the U.S. and Canada  
have begun to manage the Great Lakes on an  
ecosystem basis restoring the fisheries and water  
quality.

Obtain from: University of Wisconsin Sea Grant  
Institute—see address list.

### *Lake Superior: The Region Till Now*

1973 29 min.

Obtain from: University of Wisconsin, Institute of  
Environmental Studies, 550 N. Park St., Madison,  
WI 53706.

### *Paddle-to-the Sea*

1967 28 min.

About a little boat carved and launched on the  
Canadian side of Lake Superior and its journey to  
the Atlantic Ocean. Best for early junior high  
students.

Obtain from: National Film Board of Canada,  
1251 Ave. of the Americas, New York, NY 10200.

### *Rise and Fall of the Great Lakes, The*

1968 17 min.

Description of the physical changes the lakes have  
undergone from the glacial age to the present.

Fast-paced, humorous animated and factual.

Obtain from: National Film Board of Canada,  
1251 Ave. of the Americas, New York, NY 10200.

### *Superior Today*

By: WNMU-TV and Michigan Sea Grant  
1985 Videocassette 30 min. \$25

Award-winning documentary explores Lake  
Superior's formation, history, climate, creatures  
and issues related to the lake.

Obtain from: Cooperative Extension Service,  
MSU Bulletin Office, 10-B Agriculture Hall,  
Michigan State University, East Lansing, MI  
48824-1039 or WNMU-TV, Northern Michigan  
University, Marquette, MI 49855; (906)227-1300.

### *Warnings on the Wind*

By: The Center for Environmental Study  
Videotape 28 mins. Rental copy \$10,

Purchase \$40

Explores the sources, pathways, and fates of  
airborne toxics in the Great Lakes, the "new  
frontier" of environmental concern.

Obtain from: The Center for Environmental Study,  
Room 70M, 143 Bostwick, NE, Grand Rapids, MI  
49503.

## IIB. Wetlands

### *Canals—Towpaths West*

1963 Accession #60499 17 min.

This part of the Pioneer Life Series outlines the  
development of a canal network to supplement  
existing rivers and highways.

Obtain from: University of Illinois Film Center,  
1325 South Oak St., Champaign, IL 61820;  
(217)333-1360.

### *Canals West: The Story of the Development of the American Canal System in the 19th Century*

1967 Accession #51487 15 min.

Uses authentic photos, artwork, map and present  
day scenes to describe the great canal era in the  
United States.

Obtain from: University of Illinois Film Center,  
1325 South Oak St., Champaign, IL 61820;  
(217)333-1360.

## IIC. Arts and Crafts of the Great Lakes

### *The Great Lakes Connection*

See IIA. Our Great Lakes Heritage.

## IID. Disasters of the Great Lakes

### *The NEPCO 140 Incident*

1980 30 min.

Shows how a tank barge came up the St. Lawrence River and grounded in an environmentally sensitive area around the Thousand Islands.

Obtain from: U.S. Coast Guard, 9th District, 1240 East Ninth St., Cleveland, OH 44199.

## IIIA. Great Lakes Urban and Natural Ecology

### *Cancer in Fish and Birds*

1985 VHS videotape 20 min.

For Cable News Network, Atlanta.

Obtain from: Michigan Department of Natural Resources, PO Box 30028, Lansing, MI 48909.

### *Coastal Erosion and Real Property Values*

By: Chuck O'Neill

1984 Slide program 20 min.

Obtain from: New York Sea Grant Institute—see address list.

### *Evaluating your Coastal Property*

By: University of Wisconsin Sea Grant Institute  
1988 VHS or Beta 18 min. \$15.50 (Free loan copy available)

A self-teaching tool for individuals who wish to assess the likely risks of shore erosion to their coastal property.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

### *Great Clean-Up, The*

By: U.S. Environmental Protection Agency and Environment Canada  
1976 54 min.

Results of a joint agreement between the U.S. and Canada to clean up the Great Lakes. Includes a brief history of the events leading up to this agreement and a background of Great Lakes environs.

Obtain from: Modern Talking Pictures, 1687 Elmhurst Rd, Elk Grove Village, IL 60007; (312)593-3250.

### *Greatest Lakes, The*

See IIA. Our Great Lakes Heritage.

### *Into the Depths - The New Explorer Series*

By: Bill Curtis, et al.

1987 VHS videotape 30 min. Free

This part of the New Explorer Series finds Bill Curtis on board a research submarine in Lake Superior where he learns scientists' findings about pollution and other topics.

Obtain from: WBBM-TV, Communication Department, 630 N. McClurg Ct., Chicago, IL 60611.

### *Lake Superior: The Region 'till Now*

See IIA. Our Great Lakes Heritage.

### *Rise and Fall of the Great Lakes, The*

See IIA. Our Great Lakes Heritage.

### *Superior Today*

See IIA. Our Great Lakes Heritage.

### *The Trouble with Toxics.*

See IB. Sportfishing.

### *Water-Related Teaching Activities*

1977 149 pp. \$8.00

Teaches students about water resources. Includes a reference list of available films on water resources and water equipment.

Obtain from: ERIC Clearinghouse, College of Education, The Ohio State University, 1200 Chambers Rd., Columbus OH 43212.

## IIIB. Wetlands

### *America's Wetlands*

1981 25 min.

Obtain from: U.S. Fish and Wildlife Service, Federal Building, Fort Snelling, Twin Cities, MN 55111; or Illinois-Indiana Sea Grant Program—see address list.

### *Birds of Marshes*

11 min.

Provides glimpses of some common marsh birds in their natural surroundings. Shows how they nest, gather food and adapt to their environment.

Obtain from: University of Wisconsin Extension, 1327 University Avenue, PO Box 2093, Madison, WI 53701.

### *Cry of the Marsh*

1970 13 min.

Portrayal of bird, animal and plant life in unspoiled marshes and the effects on nature as humankind transforms these areas for other uses.

Obtain from: University of Wisconsin Extension, 1327 University Avenue, PO Box 2093, Madison, WI 53701.

### IIIC. Wildlife and Waterfowl

*Birds That Migrate*

1965 16 min.

Shows migratory habits of different species, especially the blue-wing teal.

Obtain from: University of Wisconsin Extension, 1327 University Ave, PO Box 2093, Madison, WI 53701.

*Cancer in Fish and Birds*

See IIIA. Great Lakes Urban and Natural Ecology.

*Great Lakes Connection, The*

See IIA. Our Great Lakes Heritage.

*Superior Today*

See IIA. Our Great Lakes Heritage.

### IVA. Great Lakes Commerce

*Ever Open Waters*

25 min.

Explains the importance of waterway navigation to the nation's economy and defense.

Obtain from: Modern Talking Pictures Service, Inc., 2323 New Hyde Park Road, New Hyde Park, NY 11040.

*Great Lakes Connection, The*

See IIA. Our Great Lakes Heritage.

*Great Lakes: North America's Inland Seas*

1971 17 min.

Describes the types of shipping done on the Great Lakes. Shows what commercial activities in the region are served by the Great Lakes.

Obtain from: University of Wisconsin Extension, 1327 University Avenue, PO Box 2093, Madison WI 53701.

*Greatest Lakes, The*

See IIA. Our Great Lakes Heritage.

*Superior Today*

See IIA. Our Great Lakes Heritage.

### IVC. Commercial Fishing

*Lay Down Your Nets*

1977 28 min.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*The Last Fisherman*

1975 28 min.

Depicts the Great Lakes commercial fishermen past, present and future, and the business problems they face both on and off the lake.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*The Trouble With Toxics*

See IB. Sportfishing.

### IVE. Recreation Economics

*Greatest Lakes, The*

See IIA. Our Great Lakes Heritage.

*Superior Today*

See IIA. Our Great Lakes Heritage.



## IA. Boating

*Boatmen Have Fun Afloat—But ..*  
Poster 1025.

Obtain from: Mid America Chapter, American Red Cross, 43 E. Ohio, Chicago, IL 60611.

*Chicago and South Shore of Lake Michigan*  
Map no. 14926

A book of small-craft charts.  
Obtain from: NOAA, Distribution Division (C44), National Oceanic Survey, 6501 LaFayette Ave., Riverdale, MD 20737 or your local boating store.

*Chicago Harbor*  
Map no. 14928.

Obtain from: NOAA, Distribution Division (C44), National Oceanic Survey, 6501 LaFayette Ave., Riverdale, MD 20737 or your local boating store.

*Chicago Lake Front... Wilmette to Gary Harbor*  
Map no. 14927.

Obtain from: NOAA, Distribution Division (C44), National Oceanic Survey, 6501 LaFayette Ave., Riverdale, MD 20737 or your local boating store.

*Look Out for Fishing Gear*  
1980

Illustrations and descriptions of different types of commercial gear, nets and traps.  
Obtain from: Rhode Island Sea Grant College Program—see address list.

### Nautical Charts

Nautical Chart Catalogue #4.  
includes 4 types—Harbor, Coast, General, and Sailing.  
Obtain from: NOAA, Distribution Division (C44), National Oceanic Survey, 6501 LaFayette Ave., Riverdale, MD 20737 or your local boating store.  
Also available in some marinas, sporting goods stores and bookstores.

### Navigation Notices

By: U.S. Army Corp of Engineers, Chicago District  
Periodically 2-4 pp. Free

Shows where navigational hazards or corrections are occurring.  
Obtain from: U.S. Army Corp of Engineering, Chicago District, 219 South Dearborn St., Chicago, IL 60604-1797.

*Waukegan to South Haven: Michigan City, Burns Waterway Harbor. New Buffalo*  
Map

Obtain from: NOAA Distribution Division (C44), National Oceanic Survey, 6501 LaFayette Ave., Riverdale, MD 20737 or your local boating store.

## IB. Sportfishing

*Atlas of the Spawning and Nursery Areas of Great Lakes Fishes*  
1982

Obtain from: U.S. Fish and Wildlife Service, Office of Biological Services, Washington, DC. 20240.

*Fish Spawning Grounds in Wisconsin Waters of the Great Lakes*  
By: Catherine E. Corberly, et al.  
1980 42 pp.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Guide to Fishing Reefs in Western Lake Erie*  
1989 \$2.00

Obtain from: Ohio Sea Grant College Program—see address list.

*Look Out for Fishing Gear*  
See IA. Boating.

*Nautical Charts*  
See IA. Boating.

### Restoring Lake Michigan's Ecosystem

By: Lake Michigan Federation  
1987 Two-sided poster 34x24 inches  
Shows the "areas of concern" for toxic pollution around Lake Michigan and indicates the fish found in these areas, which may be contaminated.  
Obtain from: Lake Michigan Federation, 8 S. Michigan Ave., #2010, Chicago, IL 60603.

## IC. Sailing

*Chicago and South Shore of Lake Michigan*  
See IA. Boating.

*Chicago Harbor*  
See IA. Boating.

*Chicago Lake Front...Wilmette to Gary Harbor*  
See IA. Boating.

*Look Out for Fishing Gear*  
See IA. Boating.

*Nautical Charts*  
See IA. Boating.

*Waukegan to South Haven: Michigan City, Burns  
Waterway Harbor, New Buffalo*  
See IA. Boating.

## **ID. Other Water Sports and Safety**

*You Can Help Even If You Can't Swim*  
Poster 1024 Free

Obtain from: Mid-America Chapter, American  
Red Cross, 43 E. Ohio, Chicago, IL 60611.

## **IIA. Our Great Lakes Heritage**

*Atlas of Great Lakes Indian History*  
By: Hellen Hornbeck Tanner  
1986 232 pp. \$57.50

Thirty-three highly detailed maps and text  
demonstrate the massive displacement of native  
communities from 1640 to 1871. Also contains 74  
illustrations.

Obtain from: Lake Michigan region libraries,  
bookstores or University of Oklahoma Press, 1005  
Asp Ave., Norman, OK 73019.

*Chicago Area in 1821*  
23 x 29 inches

Obtain from: The Field Museum of Natural  
History, (Harris Extension), Roosevelt Rd. at Lake  
Shore Dr., Chicago IL 60605.

*Great Lakes—An Environmental Atlas and  
Resource Book, The*  
By: US Environmental Protection Agency, et al.  
1987 44 pp. 37 x 49 inches

A vividly colorful reference intended for both  
classroom and general public that explains, using  
narrative and maps, the Great Lakes' physical  
environment and associated human activities.  
Obtain from: Great Lakes National Program  
Office, USEPA, 230 S. Dearborn St., Chicago, IL  
60604.

*Land of the Inland Seas: the Historic and  
Beautiful Great Lakes Country*  
By: William D. Ellis  
1974

Covers the retreat of the Wisconsin glacier 15,000  
years ago to building of the Minnesota's Experi-  
mental City. Good source of illustrations, charts  
and maps.

Obtain from: American West Publishers, Palo  
Alto, CA, or a local library.

*Lights of the Lakes*  
By: Michigan Department of Natural Resources  
Poster

Obtain from: Coastal Management Program,  
Division of Land Resources Program, Michigan  
Department of Natural Resources, PO Box 30028,  
Lansing, MI 48909.

## **IIB. The History of Canals in the Midwest**

*U. S. Geological Survey Maps*  
Quadrangles are periodically updated  
21.5 x 26.5 inches

Obtain from: U.S. Geological Survey, Map Sales  
Section, Division of Water, Rm. 604, State Office  
Building, Indianapolis, IN 46204.

## **IIIA. Great Lakes Urban and Natural Ecology**

*Boundary/Unit Map of the Indiana Dunes National  
Lakeshore—Lake, Porter and La Porte Counties*  
1977

33.5 x 70.5 inches and 18 x 34 inches editions  
available.

Obtain from: Indiana Dunes National Lakeshore,  
110 N. Mineral Springs Rd., Porter, IN 46304;  
(219)926-7561.

*Coastal Atlas Appendix of Detailed Maps*  
By: Illinois Geological Survey  
1976 17 x 11 inches

Obtain from: Christine Pennisi, Illinois-Indiana  
Sea Grant, 4200 N. Euclid Avenue, Rolling  
Meadows, IL 60008; (312)991-1160.

*Drainage Areas of Indiana Streams*

Obtain from: Map Sales Section, Division of  
Water, Rm. 604, State Office Building, Indianapo-  
lis, IN 46204.

*Flood Plain Management*

Obtain from: Map Sales Section, Division of  
Water, Rm. 604, State Office Building, Indianapo-  
lis, IN 46204.

*Geological Map of the 1' by 2' Chicago Quad-  
rangle, Indiana, Illinois and Michigan showing  
bedrock and unconsolidated deposits*

By: A. F. Schneider, et al.  
1970 37 x 67 inches

Obtain from: Indiana Geological Survey, 611 N.  
Walnut Grove, Bloomington, IN 47405.

*Great Lakes—An Environmental Atlas and Resource  
Book, The*

See IIA. Our Great Lakes Heritage.



*Great Lakes Toxic Hotspots*

By: Pollution Probe Foundation  
1987

Shows 343 sites where discharges are exceeding permit levels. Includes the 18 areas of concern.  
Obtain from: Pollution Probe Foundation, 12 Madison Ave., Toronto, ON M5R 2S1; (416)926-1907.

*Great Lakes Water Use Map*

Obtain from: Canada Map Office; Survey and Mapping Branch; Energy, Mines and Resources; Ottawa, Ontario, Canada.

*Hydrograph of Monthly Mean Levels of the Great Lakes*

By: National Oceanic and Atmospheric Administration

Update Periodically 20 x 38 inches Free

This chart for all the Great Lakes graphically shows lake levels from 1900 to the current year. Has room to keep track of future levels from a monthly bulletin up to the year 2019.

Obtain from: Your nearest U.S. Army Corps of Engineers office.

*Hydrology and Hydraulics in Indiana*

Obtain from: Map Sales Section, Division of Water, Rm. 604, State Office Building, Indianapolis, IN 46204.

*Indiana Dunes National Lakeshore, Indiana*

Brochure

1985 15.5 x 16.5 inches

Obtain from: Indiana Dunes National Lakeshore, 1100 N. Mineral Springs Rd., Porter, IN 46304; (219)926-7501.

*Introduction to Michigan's Water Resources*

By: Institute of Water Research  
1987 64 pp. \$4.95

Contains 16 color maps and 35 graphs, photos and illustrations that help the reader to understand the vast amount of Michigan's water resources and their need to be carefully managed.

Obtain from: Michigan State University, 334 Natural Resources Bldg., East Lansing, MI 48824; (517)353-3742.

*Lake Michigan - Huron Annual Precipitation Differences from Long Term Mean (1900 - Present)*

By: Holly Hartman

Ongoing 21 x 16 inches Free

This computer generated graph is good for comparison with the lake level chart since precipitation is the major cause of lake level change.

Obtain from: Great Lakes Environmental Research Laboratory, 2205 Commonwealth Blvd., Ann Arbor, MI 48105.

*Lake Ontario Atlas: Chemistry*

By: Eric Raymond Allen  
1977 191 pp.

Obtain from: New York Sea Grant Institute—see address list.

*Lake Ontario Atlas: Climatology*

By: Bruce H. Bailey, et al.  
1977 63 pp.

Obtain from: New York Sea Grant Institute—see address list.

*Lake Ontario Atlas: Lake Temperatures*

By: Eugene E. Chermack  
1977 41 pp.

Obtain from: New York Sea Grant Institute—see address list.

*Lake Ontario Atlas: Land Use*

By: Michael Dobson, et al.  
1976 52 pp.

Obtain from: New York Sea Grant Institute—see address list.

*Lake Ontario Atlas: Surface Waves*

By: Glenn Evans Myer  
1976 107 pp.

Temporal and spatial water level changes in Lake Ontario.

Obtain from: New York Sea Grant Institute—see address list.

*Lake Ontario Environmental Atlas*

By: Ronald Stewart, et al.  
1975 3 pp.

Obtain from: New York Sea Grant Institute—see address list.

*Map of Sturgeon Bay; Experimental Satellite Map*

By: Thomas M. Lillesand, et al.  
1985 LANDSAT Thematic Map Free

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Restoring Lake Michigan's Ecosystem*

See IB. Sportfishing.

*Satellite Image Map of Northeastern Illinois*

By: Illinois State Geological Survey  
1985 34 x 24 inches \$5.00

Also interprets many geological and land-use features.

Obtain from: Illinois State Geological Survey, Natural Resources Building, 615 E. Peabody Dr., Champaign, IL 61820, Attn: Order Department.

*U.S. Geological Survey Maps*

See IIB. The History of Canals in the Midwest.

## IIIB. Wetlands

*Atlas of the Spawning and Nursery Areas of Great Lakes Fishes*

See IB. Sportfishing.

*Boundary/Unit Map of the Indiana Dunes National Lakeshore—Lake, La Porte, Porter Counties*

See IIIA. Great Lakes Urban and Natural Ecology.

*Chicago Area in 1821*

See IIA. Our Great Lakes Heritage.

*Cook County Forest Preserve District Picnic Areas and Trails*

By: Cook County Forest Preserve District

1983 Approximately 20 x 18 inches

User can obtain one or all four of the individual maps which divide the forest preserve district into four sections.

Obtain from: General Headquarters, Cook County Forest Preserve District, 536 N. Harlem Ave., River Forest, IL 60305; (312)261-8400 (city) or 366-9420 (suburban).

*Geological Map of the 1' x 2' Chicago Quadrangle, Indiana, Illinois, and Michigan showing bedrock and unconsolidated deposits.*

See IIIA. Great Lakes Urban and Natural Ecology.

*Guide to Great Lakes Natural Heritage, A*

By: Federation of Ontario Naturalists

1987 Illustrated Map

Highlighted are the Lake's special habitats, wildlife and ecological points of interest.

Obtain from: Federation of Ontario Naturalists, Conservation Centre, Moatfield Park, 355 Less Mill Rd., Don Mills, M3B 2W9, Ontario, Canada.

*Indiana Dunes National Lakeshore, Indiana Brochure*

See IIIA. Great Lakes Urban and Natural Ecology.

*Lake Ontario Atlas: Land Use*

See IIIA. Great Lakes Urban and Natural Ecology.

*Northeastern Illinois Series of Wetland Maps*

By: Illinois Department of Conservation

1987 \$10.00

Includes two paper or mylar county maps showing wetland locations. These are the most detailed and accurate wetland maps available locally.

Obtain from: Northern Illinois University Center, for Governmental Studies, DeKalb, IL 60115.

*Satellite Image Map of Northeastern Illinois*

See IIIA. Great Lakes Heritage.

*Soil Survey of DuPage County and part of Cook County, Illinois*

By: D. R. Mapes

1976 126 maps in 217 pp.

Obtain from: U. S. Department of Agriculture, Soil Conservation Service (contact your local office).

*U.S. Geological Survey Maps*

See IIB. The History of Canals in the Midwest.

## IIIC. Wildlife and Waterfowl

*Atlas of the Spawning and Nursery Areas of Great Lakes Fishes*

See IB. Sportfishing.

*Guide to Great Lakes Natural Heritage, A*

See IIIB. Wetlands.

## IVA. Great Lakes Commerce

*Chicago and South Shore of Lake Michigan*

See IA. Boating.

*Chicago Harbor*

See IA. Boating.

*Chicago Lake Front...Wilmette to Gary Harbor*

See IA. Boating.

*Great Lakes—An Environmental Atlas and Resource Book, The*

See IIA. Our Great Lakes Heritage.

*How Do People Use Lighthouses and Navigational Charts? A Marine Education Infusion Unit*

By: John Butzow, et al.

1980

Familiarizes students with navigational aids used to warn against danger and help the mariner locate positions.

Obtain from: University of Maine Sea Grant College Program—see address list.

*Nautical Charts*

See IA. Boating.



*Sail the Seaway and Save: Your Graphic Guide to the World's Fastest Trade Route—the St. Lawrence Seaway*  
1974

Contains information on Great Lakes ports, cargo imports and exports, toll and ship requirements, foreign countries and ports of call, sailing distances to 41 overseas destinations and more.

Obtain from: U.S. Department of Transportation, 800 Independence Avenue, Washington, D. C. 20591.

*Waukegan to South Haven: Michigan City, Burns Waterway Harbor, New Buffalo*  
See IA. Boating.

### IVC. Commercial Fishing

*Atlas of the Spawning and Nursery Areas of Great Lakes Fishes*  
See IB. Sportfishing.

*The Great Lakes - An Environmental Atlas and Resource Book*  
See IIA. Our Great Lakes Heritage.

### IVD. Marine Industry

*Great Lakes—An Environmental Atlas and Resource Book, The*  
See IIA. Our Great Lakes Heritage.

*Lake Ontario Atlas: Land Use*  
See IIIA. Great Lakes Urban and Natural Ecology.

*Satellite Image Map of Northeastern Illinois*  
See IIIA. Great Lakes Urban and Natural Ecology.

### IVE. Recreation Economics

*Boundary/Unit Map of the Indiana Dunes National Lakeshore—Lake, La Porte, and Porter Counties*  
See IIIA. Great Lakes Urban and Natural Ecology.

*Chicago and South Shore of Lake Michigan*  
See IA. Boating.

*Chicago Harbor*  
See IA. Boating.

*Chicago Lake Front—Wilmette to Gary Harbor*  
See IA. Boating.

*Chicago Park District Lake Shore Protection Work Map of Shoreline, Bulkhead Types*  
1944 18 x 10<sup>1/2</sup> inches  
Obtain from: Chicago Park District, 425 E. McFetridge Dr., Chicago, IL 60605; (312)294-4610.

*Duneland Country - A Visitors Guide to Northwest Indiana*

By: Northwest Indiana Tourism Council  
1987 21.5 x 20 inches Free

Recreational facilities and tourist information are listed on the back of the map.

Obtain from: Northwest Indiana Tourism Council, 528 Indian Oak Mall, Chesterton, IN 46304.

*Great Lakes—Environmental Atlas and Resource Book, The*  
See IIA. Our Great Lakes Heritage.

*Illinois Beach State Park - Interpretive Trail System*

By: Illinois Beach Interpretive Staff  
1985 3.5 x 14 inches Free

Answers some of the common questions hikers have about the dunes and its wildlife.

Obtain from: Illinois Beach State Park, Zion, IL 60099; (312)662-4811.

*Indiana Dunes National Lakeshore, Indiana Brochure*

See IIIA. Great Lakes Urban and Natural Ecology.

*Indiana Dunes State Park*

By: Park Staff  
1987 8.5 x 14 inches Free

Shows trails and natural features of the park. Back of the map includes additional information about the park.

Obtain from: Indiana Dunes State Park, 1600 N. 25 E., Chesterton, IN 46304; (219)976-4520.

*Lake Ontario Atlas; Land Use*

See IIIA. Great Lakes Urban and Natural Ecology.

*Map of Lake County, Illinois*

By: Economic Development Commission  
1987 Colorful 3-dimensional map  
17 x 22 inches Free

Shows major industries and recreational facilities in Lake County, Illinois.

Obtain from: Economic Development Commission, 18 N. County St., Waukegan, IL 60085; (312)360-6350.

*Nautical Charts*

See IA. Boating.

*Waukegan to South Haven: Michigan City, Burns Waterway Harbor*

See IA. Boating.

## IA. Boating

### *LORAN Best Buy*

By: Jeff Stander, et al.

1983 Calculator, Micro

Obtain from: Oregon Sea Grant College Program—see address list.

## IB. Sportfishing

### *Bibliography of Wisconsin Sea Grant's Fisheries and Seafood Materials*

By: Al Miller

1985 Appleworks wordprocessor

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

### *Breakeven Analysis for Fish Boat*

By: Jeff Stander, et al.

1983 Calculator, Micro

Obtain from: Oregon Sea Grant College Program—see address list.

### *Charter and Sport Fisher Profile*

By: Al Miller

1985 Appleworks Database

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

### *Computerized Key to the Families of Freshwater Fishes, A*

By: George Spangler

1982 Applesoft Basic Nominal fee

A key to the 28 families of freshwater fishes for use on an Apple II. Includes some graphics and a glossary of terms.

Obtain from: Minnesota Sea Grant Program—see address list.

### *FINMAN: A Fisheries Institution Management-training Simulation Model. Model Description and Operations Manual*

By: Jerald S. Ault, et al.

1986

This microcomputer-based program explains how the fisheries management process works depending on fishery types and regulations. Manual available.

Obtain from: Florida Sea Grant College Program—see address list.

### *The Lakeword Rehabilitation Model: Program Documentation*

By: C.J. Walters, et al.

1986 Special Publication No. 86-1.

The computer simulation model, written in Apple-soft BASIC, is available on a 5 1/4" floppy disk.

Obtain from: Great Lakes Fishery Commission, 1451 Green Rd., Ann Arbor, MI 48105.

## IIA. Our Great Lakes Heritage

### *Applications of Microcomputers in Marine and Aquatic Education*

By: Melissa Conrath, et al.

1984 RS-039

Explains how microcomputers can be used in teaching about the Great Lakes.

Obtain from: Ohio Sea Grant College Program—see address list.

### *River Trek*

By: R. Eddy, et al.

1987 EP-026 Apple computer program Teacher guide (10 pp.) and student workbook (7 pp.) \$7.00

A computer simulation of a flatboat trip down the Ohio River in 1791. River Trek cannot be done as an activity without the computer program.

Obtain from: Ohio Sea Grant College Program—see address list.

## IID. Disasters of the Great Lakes

### *Computer Animation of Storm Surge Predictions*

By: Charles M. Libicki, et al.

1985 RS-053 16 pp. Free

Shows how the computer can be used to reliably and quickly predict nature's greatest cause of erosion, storm surges.

Obtain from: Ohio Sea Grant College Program—see address list.

## IIIA. Great Lakes Urban and Natural Ecology

### *Coastal Erosion Management Option Analysis*

By: Steve Stewart

1985 Perfect Calc Spreadsheet/V1.15, MS-DOS

Obtain from: Steve Stewart, Cooperative Extension Service, County Building, 11th Floor, Mount Clemens, MI 48043.

ERIC  
Full Text Provided by ERIC

*Computer Program for the Graphic Display and Quantitative Evaluation of Beach Profile Data, A*

By: C. F. Chamberlain, et al.  
1980 9 pp.

Obtain from: University of Georgia Sea Grant College Program—see address list.

*Interactive BASIC Program to Calculate Shallow-Water Limited-Fetch Wave Conditions, An*

By: J. Richard Weggel, et al.  
1985 16 pp.

Obtain from: New Jersey Sea Grant Extension Service—see address list.

*Precision Bathymetry and Navigation for Site Selection, Dredge Disposal Management, and Long-Term Surveillance of Disposal Sites*

By: Lance Stewart  
1983 Basic

Obtain from: Louisiana Sea Grant College Program—see address list.

*User's Guide to the Littoral Environment Observation (LEO) Retrieval System, A*

By: Ann R. Sherlock, et al.  
1987

Obtain from: Corps of Engineers, Waterways Experiment Station, PO Box 631, Vicksburg, MS 39180-0631: (601)634-2571.

*Viewing New York's Coast: Resources, Research Issues, and Preview - A Computer Modeling Technique*

By: John P. Fellemen  
1980 NYSGI-U-80-001, pp. 29-33

Obtain from: New York Sea Grant Institute—see address list.

## IIIB. Wetlands

*A Computerized Key to the Families of Freshwater Fishes*

See IB. Sportfishing.

## IIIC. Wildlife And Waterfowl

*A Computerized Key to the Families of Freshwater Fishes*

See IB. Sportfishing.

*FINMAN: A Fisheries Institution Management-training Simulation Model. Model Description and Operations Manual*

See IB. Sportfishing.

*Lake Trout Rehabilitation Model: Program Documentation, The*

See IB. Sportfishing.

## IVC. Commercial Fishing

*Breakeven Analysis for Fish Boat*

See IB. Sportfishing.

*Computerized Key to the Families of Freshwater Fishes, A*

See IB. Sportfishing.

*FINMAN: A Fisheries Institution Management-training Simulation Model. Model Description and Operations Manual*

See IB. Sportfishing.

*Fish Processing Operating Decision—Buy/Sell*

By: Jeff Stander, et al.  
1983 Calculator, Micro.

Obtain from: Oregon Sea Grant College Program—see address list.

*The Lake Trout Rehabilitation Model: Program Documentation*

See IB. Sportfishing.

## IVD. Marine Industry

*Catfish Growth Simulation-GROWCATS*

IBM: MSDOS, TRS-80: TRSDOS

Obtain from: Mississippi-Alabama Sea Grant Consortium—see address list.

*Catfish Production Management Decision—Catfish*

1981 IBM: MSDOS, TRS-80: TRSDOS.

Obtain from: Mississippi-Alabama Sea Grant Consortium—see address list.

*Charter and Sport Fisher Profile*

See IB. Sportfishing.

*Fish Processing Operating Decision—Buy/Sell*

See IVC. Commercial Fishing.

## IVE. Recreation Economics

*Disk Supplement to: A Great Lakes Vacation*

1987 EP-24 Apple II computer program \$4.00

Supplements "A Great Lakes Vacation" (see Publications, IVE).

Obtain from: Ohio Sea Grant College Program—see address list.

*Selected Annotated Bibliography: Coastal Resource Management*

By: Hamann Richard

1987 82 pp. (also on IBM disc - \$5.00)

This is a coastal resource management bibliography.

Obtain from: Florida Sea Grant College Program—see address list.

## IA. Boating

### *Anchors and Anchoring Theory*

By: Jeffrey A. Fisher

1980 4 pp.

Obtain from: Florida Sea Grant College Program—see address list.

### *Central Lake Erie Recreational Climate Guide*

By: C. E. Herdendorf, et al.

1986 Available as a loan copy

Obtain from: National Sea Grant Depository—see address list.

### *Characteristics of Multi-hulled Sail-assisted Working Watercraft: Hull and Propulsion Systems*

By: S. Langevin

1983 FLSGP-W-83-002 pp. 155-167

Obtain from: Florida Sea Grant College Program—see address list.

### *Chartwork for Fishermen and Boat Operators*

By: Geoffrey Motte

1972 86 pp.

Contains exercises with answers provided.  
Obtain from: Rhode Island Sea Grant College Program—see address list.

### *Coastlines*

By: New York Sea Grant Institute

Quarterly Newsletter

Obtain from: New York Sea Grant Institute—see address list.

### *Cruising Guide to the Great Lakes*

By: Marjone Cahn Brazier

1985 513 pp. \$22.95 & \$1.25 shipping.  
(Ohio residents add 6% tax.)

Includes connecting waters.  
Obtain from: Contemporary Books, Inc., Chicago, B. Dalton, or Walden Bookstores.

### *Energy Savers for Boats*

By: Jeffrey Fisher

1980 2 pp.

Obtain from: Florida Sea Grant College Program—see address list.

### *53 Boats You Can Build*

By: Richard Henderson

Plans and specifications for sailboats, rowboats, and powerboats. A list of addresses of the designers appears at the back of the book.

Obtain from: International Marine Publishing Co., Division of Highmark Publishing, PO Box 220, Camden, Maine 04843.

### *Formidable Process of Coast Guard User Fees, The*

By: Natalie Peter

1984 RIU-0-84-002 pp. 120-141

Obtain from: Rhode Island Sea Grant College Program—see address list.

### *Great Lakes Boating*

By: F. Ned Dikmen

Bimonthly Free

Free if picked up at boating retail stores or other boating facilities around the Great Lakes; otherwise \$10 a year for a subscription.

Obtain from: Chicago Boating Publications, Inc., 830 N. State St., Chicago, IL 60610; (312)266-8400.

### *Guide for Training Canoeing and Kayaking Instructors*

By: American Red Cross

Pamphlet—\$2.00 Textbook—\$5.40

Publication No. 2145

Obtain from: Mid-America Chapter, American Red Cross, 42 E. Ohio, Chicago, IL 60611.

### *HELM: Happenings and Educational Activities Around Lake Michigan, The*

By: Illinois-Indiana Sea Grant Program

Quarterly Newsletter Free

Obtain from: Illinois-Indiana Sea Grant Program—see address list.

### *How Do People Use Lighthouses and Navigational Charts? A Marine Education Infusion Unit*

By: John Butzow, et al.

1980

Teacher background information and several student activities designed to familiarize the students with navigational aids used to warn against danger and help the mariner locate positions.

Obtain from: University of Maine Sea Grant College Program—see address list.

### *Improving the Performance of Wooden Water-front Structures and Boats*

By: Robert D. Graham, et al.

1976 ORESU-P-76-002, pp. 147-150 and ORESU-P-76-001, pp. 90-91

Obtain from: Oregon Sea Grant College Program—see address list.



*Indiana Boating Laws*

By: Indiana Department of Natural Resources  
1986 Free

General information on boating laws and regulations.

Obtain from: Indiana Department of Natural Resources, Law Enforcement Division, 606 State Office Bldg., Indianapolis, IN 46204.

*Inventory of Lake Ontario Inlets and Harbors:*

*Niagara River to Stony Creek*

By: Randy D. Crissman, et al.  
1976 251 pp.

Obtain from: New York Sea Grant Institute—see address list.

*Knowing the Ropes*

By: Rosanne Fortner, et al.  
1981 Ep-018 Teacher manual, 9 pp.;  
Youth manual, 15 pp. \$3.00

Explains how ropes are made; includes their current and former uses.

Obtain from: Ohio Sea Grant College Program—see address list.

*Legal and Liability Considerations of Renting a Boat: Questions and Answers*

By: Michael P. Voiland  
1977 4 pp.

Obtain from: New York Sea Grant Institute—see address list.

*Lightning and Boats*

By: Michigan Sea Grant  
1989 12 pp. MICHU-SG-89-700 \$0.50

Describes a system that directs lightning strikes safely through a boat with less chance of damage or injury.

Obtain from: Michigan Sea Grant College Program—see address list.

*Littoral Drift*

By: University of Wisconsin Sea Grant Program  
Monthly Newsletter Free

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Motor Boat & Sailing*

By: Peter A. Janssen  
Monthly magazine \$16 annually.

Obtain from: Motor Boat and Sailing, PO Box 10075, Des Moines, IA., 50350 or your local newsstand or library.

*New U.S. Coast Guard Definition Affects Recreational Boaters*

By: Jeff Gunderson  
1987 SAN #24 4 pp. Free

*Newspaper clippings from the 5-county area in the Illinois-Indiana Lake Michigan region—1986 to present*

By: Christine Pennisi  
Ongoing

These newsclippings have been collected from approximately eight of the largest daily and weekly newspapers located in the Lake Michigan-dependent communities of Illinois and Indiana.

Obtain from: Illinois-Indiana Sea Grant Program—see address list.

*Power Performance of Planing Boats with the Effect of Propeller Selection and Propeller Guard Design*

By: Daniel M. Ladd  
1975 Thesis Abstract 1 pp.

Obtain from: Oregon Sea Grant College Program—see address list.

*Public Access Sites in Indiana*

By: Indiana Department of Natural Resources  
Free

Obtain from: Indiana Department of Natural Resources, Division of Fish and Wildlife, 607 State Office Bldg., Indianapolis, IN 46204.

*Radar Reflectors for Boats-Marine Electronics*

By: Edward Condon, et al.  
1978 6 pp.

Obtain from: Oregon Sea Grant College Program—see address list.

*Recreation and Weather Guide to the Minnesota Shore of Lake Superior*

By: C. Dawson, et al.  
1986 32 pp. \$1.00

Includes average number of foggy and sunny days, wind velocity, lake temperature, snowfall, and snowcover.

Obtain from: Minnesota Sea Grant Program—see address list.

*Recreational Boat Owners' Response to Energy Constraints*

By: Joseph D. Fridgen  
1982 MICHU-SG-82-301

In symposium proceedings—Michigan Tourism: How Can Research Help? pp. 143-147

Obtain from: Michigan Sea Grant College Program—see address list.

ERIC  
Full Text Provided by ERIC

*Seiche, The*

By: Minnesota Sea Grant Program  
Quarterly Newsletter Free

Obtain from: Minnesota Sea Grant Program—see address list.

*Skipper's Course, The*

By: The U.S. Coast Guard Office for Boating Safety  
1986 84 pp.

Information on boating safety, navigation, and rules of the road.

Obtain from: U.S. Coast Guard, 400 Seventh St., Washington, DC 20590.

*State and Federal Regulations Related to Boating on Lake Michigan*

By: Douglas Musser, et al.  
1985 39 pp. Free

Contains a concise tabular listing of the regulations in the four states that border Lake Michigan. Useful for comparison purposes.

Obtain from: Illinois-Indiana Sea Grant Program—see address list.

*Storage Batteries for Boats*

By: Don A. Cunning  
1977 8 pp.

Obtain from: Oregon Sea Grant College Program—see address list.

*Superior Boating Safety*

By: Kim Elverum  
1978 Superior Advisory Notes, 7 4 pp.

Obtain from: Minnesota Sea Grant Program—see address list.

*Twine Line*

By: Ohio Sea Grant College Program  
Bimonthly Newsletter 6 issues/\$4.50

Obtain from: Ohio Sea Grant College Program—see address list.

*Upwellings*

By: Michigan Sea Grant College Program  
Quarterly Newsletter Free

Obtain from: Michigan Sea Grant College Program—see address list.

*User Fees for Coast Guard Activities*

By: Thomas F. Kincaid  
1981 WASHU-W-81-002 pp. 111-113

Obtain from: Washington Sea Grant College Program—see address list.

*Using Multimeters on Boats*

By: Edward R. Kolbe  
1977 4 pp.

Obtain from: Oregon Sea Grant College Program—see address list.

*Western Lake Erie Recreational Climate Guide*

By: C.E. Herdendorf, et al.  
1986 Available as a loan copy

Obtain from: National Sea Grant Depository—see address list.

## IB. Sportfishing

*Action for the Eighties ... and Beyond, Vol. 1, A Strategic Plan for Illinois Fisheries Resources, FY87-FY91*

By: Illinois Department of Conservation  
1986 21 pp.

Obtain from: Illinois Department of Conservation, Office of Field Operations, Division of Fisheries, 600 N. Grand Ave., W., Springfield, IL 62706.

*Age and Growth of Walleye in the New York Waters of Lake Erie, The*

By: Sallie P. Sheldon  
1978 Thesis abstract 2 pp.

Obtain from: New York Sea Grant Institute—see address list.

*Angling for Smallmouth Bass in Lake Erie*

By: Mark Malchoff  
1984 9 pp.

Obtain from: New York Sea Grant Institute—see address list.

*Aquatic Contaminants: A Threat to the Sportfishing Industry*

By: Sport Fishing Institute  
1986 180 pp. Free

Extensive report discussing many aspects of this problem including a state by state analysis of the contaminant impact on sport fisheries.

Obtain from: Sport Fishing Institute, 1010 Massachusetts Ave., N.W. #100, Washington, DC 20001.

*Benefits and Costs of Sea Lamprey Control in the Great Lakes: Some Preliminary Results*

By: Daniel R. Talhelm, et al.  
1980 Journal reprint 6 pp.  
Loan copy available

Obtain from: National Sea Grant Depository—see address list.

*Central Lake Erie Recreational Climate Guide*  
See IA. Boating.

*Changes in Growth and Maturity of Walleyes Associated With Stock Rehabilitation in Western Lake Erie, 1964-1983*

By: Kenneth M. Muth, et al.  
1986 Journal reprint 8 pp.

Obtain from: National Fisheries Center - Great Lakes, 1451 Green Rd., Ann Arbor, MI 48105



*Chartwork For Fishermen and Boat Operators*  
See IA. Boating.

*Coastlines*  
See IA. Boating.

*Como Comprar, Preparar Y Cocinar Pescado*  
(How to Buy, Prepare and Cook Fish/Recipes)  
1981 MICHU-SG-81-503 Spanish only 6 pp.  
Obtain from: Michigan Sea Grant College  
Program—see address list.

*Contaminant Trends in Lake Trout from the Upper  
Great Lakes*

By: Dave DeVault, et al.  
1986 Journal reprint 7 pp.

Presents results of the 1977 to 1982 contaminant  
monitoring analysis of lake trout collected from  
Lakes Michigan, Superior and Huron between  
1977 and 1982.

Obtain from: US Environmental Protection  
Agency, Great Lakes National Program Office, 536  
S. Clark St., Chicago, IL 60605; (312)353-1325.

*Contaminants and Trends in Fall Run Coho  
Salmon*

By: David DeVault, et al.  
1988 Journal of Great Lakes Research,  
Vol. 14, No. 1 12 pp.

Shows that many harmful chemicals are found in  
fish from most of the lakes, but that PCB, DDT,  
and dieldrin have declined in coho from Lake  
Michigan.

Obtain from: International Association of Great  
Lakes Research, University of Michigan, 2200  
Bonisteel Blvd., Ann Arbor, MI 48109.

*Contaminants in Fish from Great Lakes Harbors  
and Tributary Mouths*

By: David DeVault  
1986 7 pp.

Analysis of composite fish samples collected  
between 1980 and 1981 for a wide range of  
pesticides and priority pollutants.

Obtain from: US Environmental Protection  
Agency, Great Lakes National Program Office, 536  
S. Clark St., Chicago, IL 60605; (312)353-1325.

*Craving for Crayfish: Minnesota Discovers a  
Louisiana Tradition, A*

By: Jeff Gunderson  
1988 6 pp. Free

*Dioxin: A Cause for Concern*

By: Thomas Stolzenburg  
1984 21 pp. Free

Primer on dioxin: where it comes from and why it  
is a problem.

Obtain from: University of Wisconsin Sea Grant  
Institute—see address list.

*Dioxin in Great Lakes Fish*

By: Dave DeVault  
1986 15 pp.

For the "National Dioxin Study," a limited number  
of carp and trout fillet samples were analyzed  
around the Great Lakes. This analysis shows the  
most potentially harmful areas that were examined.  
Obtain from: U.S. Environmental Protection  
Agency, Great Lakes National Program Office, 536  
Clark St., Chicago, IL 60625; (312)353-1325.

*Dispersal of Three Strains of Hatchery-reared  
Lake Trout in Lake Ontario*

By: Joseph H. Elrod  
1987 Journal of Great Lakes Research, Vol. 13  
No. 2, pp. 157-167.

Obtain from: International Association of Great  
Lakes Research, University of Michigan, 2200  
Bonisteel Blvd., Ann Arbor, MI 48109.

*Do You Really Understand the Fish Consumption  
Advisory?*

By: Christine Pennisi  
1987 Helm Newsletter Article (Fall/Winter  
1987-88) 2 pp. Free

Explains how the Lake Michigan Sportfish  
Consumption Advisory was developed, and what  
terms like "risk" of "FDA Standard" mean.

Obtain from: Illinois-Indiana Sea Grant Pro-  
gram—see address list.

*Dynamics of Reproduction by Hatchery Lake Trout  
on Man-made Spawning Reef*

By: James W. Peck  
1986 Journal of Great Lakes Research, Vol. 12,  
No. 4, pp. 293-303.

Obtain from: The Great Lakes Commission, The  
Argus II Building, 400 S. Fourth St., Ann Arbor,  
MI 48103.

*Eating Great Lakes Fish*

1987 Bulletin MICHU-SG-87-500 7 pp.  
\$0.25 (Free to Michigan residents)

Background information on contaminants in Great  
Lakes sportfish. Supplements fish consumption  
advisories.

Obtain from: Michigan Sea Grant College  
Program—see address list.

*Eating Lake Michigan Fish*

1989 Fact Sheet 2 pp. Free

Answers the most commonly asked questions  
about PCBs in fish. Outlines proper procedure for  
cleaning and cooking Lake Michigan fish to reduce  
PCB levels.

Obtain from: University of Wisconsin Sea Grant  
Institute—see address list.

*Economic Analysis of Integrated Fisheries Management: The Case of the Lake Michigan Alewife and Salmonid Fisheries, An*

By: Karl C. Samy, et al.  
1982 Journal reprint 10 pp.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Eelpout (burbot): The Fish Minnesotans Love to Hate*

By: Jeff Gunderson  
1986 4 pp.

Provides illustrated directions and recipes for skinning, filleting, storing, and cooking this delicious cold water fish.

Obtain from: Minnesota Sea Grant Program—see address list.

*Effect of Smoking on Mirex Levels in Brown Trout from Lake Ontario*

By: T.W. Lewis, et al.  
1985 New York Fish and Game Journal, January pp.

Explains a more effective smoking technique to reduce toxic mirex levels.

Obtain from: Department of Biological Sciences, State University College, Brockport, NY, 14420

*Equipment and Methods for Radio Tracking Freshwater Fish*

By: J. D. Winter, et al.  
1978 Miscellaneous Report 152-78 of the Agricultural Experiment Station 18 pp.

Obtain from: Minnesota Sea Grant Program—see address list.

*Evidence of Natural Reproduction by Stocked Lake Trout in Lake Ontario*

By: J. Ellen Marsden  
1988 Journal of Great Lakes Research, Vol. 14, No. 1 7 pp.

Presents the first evidence of a sizable natural reproduction since the lake trout were stocked in 1973.

Obtain from: International Association of Great Lakes Research, University of Michigan, 2200 Bonisteel Blvd, Ann Arbor, MI 48109

*Exploring Freshwater Fisheries, A Fish and Fishing Project Activities Guide*

By: Ronald A. Howard, Jr. et al.  
1981 24 pp.

Obtain from: New York Sea Grant Institute—see address list.

*Fecundity of Hatchery and Wild Lake Trout in Lake Superior*

By: James W. Peck  
1988 Journal of Great Lakes Research, Vol. 14, No. 1 6 pp.

Explains that the fertility of contemporary (from hatchery) lake trout was slightly higher than the fertility of the native lake trout.

Obtain from: International Association of Great Lakes Research, University of Michigan, 2200 Bonisteel Blvd, Ann Arbor, MI 48109

*Feeding Ecology and Vertical Migration of Adult Alewives in Lake Michigan*

By: John Janssen, et al.  
1980 Journal reprint 8 pp.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Finding Salmon and Trout in Lake Ontario*

By: James M. Haynes  
1983 8 pp.

Obtain from: New York Sea Grant Institute—see address list.

*Fish in Lake Michigan—Distribution of Selected Species*

By: Larry Summers, et al.  
1981 MICHU-SG-81-600 \$3.00

Explains the natural and human factors which influence fish distribution. Includes species maps.  
Obtain from: Michigan Sea Grant College Program—see address list.

*Fish: Low in Calories, High in Nutrition*

By: David Stuibler  
1987 4 pp. \$0.30

Fifth pamphlet in the series on preserving and preparing fish at home. Various nutritional advantages of eating fish are described.  
Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Fish of Lake Michigan*

By: Warren Downs  
1986 30 pp. \$1.00

This fish identification booklet includes a history of the lake's sport and commercial fisheries.  
Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Fish of Lake Superior*

By: Warren Downs  
1984 32 pp. \$1.00

This fish identification booklet includes a history of the lake's sport and commercial fisheries.  
Obtain from: University of Wisconsin Sea Grant Institute—see address list.



***Fish On***

By: George Averitt  
Annually

Obtain from: News-Dispatch, 121 W. Michigan Blvd., Michigan City, IN 46360-9990; (219)874-7211.

***Fish Preparation and Consumption Guide***

By: Michigan Department of Public Health  
1987 Free

Contains the latest fish consumption advisory for all of the state's lakes including the Great Lakes.

Obtain from: Michigan Department of Public Health; 3500 N. Logan St., Lansing, MI 48909; (800)648-6942.

***Fish Tails—Trout? Salmon? Key to Identification of Trout and Salmon in Minnesota Waters of Lake Superior***

1979 2 pp.

Obtain from: Minnesota Sea Grant Program—see address list.

***Fisheries Conservation Begins with You: Tips on Releasing a Hooked Fish***

By: James M. Falk  
1985 1 p. Free (multiple copies \$0.25 each)

Obtain from: University of Delaware Sea Grant College Program—see address list.

***Fisheries Education: From the Great Lakes to the Sea***

By: Rosanne Fortner, et al.  
1980 RS-004 Journal reprint  
2 pp. Free

Describes a board game about fishing rights conflicts in the Great Lakes region. Applicable for grades 5-12.

Obtain from: Ohio Sea Grant College Program—see address list.

***Fisheries of the Great Lakes, The***

1986 48 pp. \$1.50

Illustrated report on the primeval lakes from before the arrival of the Europeans to the region. Traces the history of the fishery.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

***Fisherman's Guide to Echo Sounding and Sonar Equipment: Acoustic Fish Detection Instrument, A***

By: Duncan Amos  
1980 67 pp.

Obtain from: Rhode Island Sea Grant College Program—see address list.

***Fishes of Ohio, The***

By: Milton B. Trautman  
1981 FS-031 782 pp. \$45.00

Obtain from: Ohio State University Press, 1070 Carmack Rd., Columbus, OH 43210.

***Fishes of Wisconsin***

By: George C. Becker  
1983 999 pp.

Obtain from: University of Wisconsin Press, 114 N. Murray Street, Madison, WI 53715.

***Fishing for Fun***

Member's Manual 4-H1056 \$0.55  
Leader/Teacher Guide 4-H1057 \$0.70

Part of a series of leader/teacher and member/guide booklets with numerous activities. Basic introduction material.

Obtain from: Cooperative Extension Service, MSU Bulletin Office, 10-B Agriculture Hall, Michigan State University, East Lansing, MI 48824-1039.

***Fishing Lake Michigan***

By: Harry Wright and Paul Vidal  
1985 14 pp.

Basics of fishing, identifying fish, and safety.

Obtain from: Illinois Department of Conservation, 524 S. Second St., 5th Fl., Springfield, IL 62706.

***Fishing Sports Advancement Program for Members 9-18 Years of Age***

By: James Winkler, et al.  
1985

Eighty-five ideas for 4-H project meetings, and activity check lists at six levels of expertise.

Obtain from: Minnesota Extension Service Distribution Center, 3 Coffey Hall, University of Minnesota, St. Paul, MN 55108.

***Fixin' Fish***

By: Jeffrey Gunderson  
1984 56 pp. \$6.95

Obtain from: University of Minnesota Press, 2037 University Ave., SE, Minneapolis, MN 55414.

***Food Components with Potential Therapeutic Benefits: the N-3 Polyunsaturated Fatty Acids of Fish Oils***

By: John Kinsella  
1986 10 pp.

Obtain from: New York Sea Grant Institute—see address list.

*Food of Trout and Salmon in Lake Ontario*

By: Stephen B. Brandt

1986 6 pp.

The baseline data presented may be useful in showing why different salmonids switch foods as different types of prey fish increase or decrease in numbers.

Obtain from: New York Sea Grant Institute—see address list.

*Forage Fishes and Their Salmonid Predators in Lake Michigan*

By: Donald J. Steward, et al.

1981 Journal reprint 13 pp.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Getting to Know Your Catch: Lake Erie Salmonid Identification*

By: David O. Kelch

1987 2 pp.

This fact sheet provides identifying characteristics of trout and salmon.

Obtain from: Ohio Sea Grant—see address list

*Getting to Know Your Local Fish*

By: S. M. Hartley, et al.

1987 EP-019 Teacher guide (25 pp.) and student workbook (11 pp.) \$3.00

Illustrates construction and use of a dichotomous key to families of fish in Lake Erie.

Obtain from: Ohio Sea Grant College Program—see address list.

*Great Lakes Fish Cookery: Recipes for Under-utilized Fish Species—Alewife, Burbot, Carp, and Sucker*

By: Rosanna Mattingly

MICHU-SG-76-500

Recipe booklet with suggestions for preparation of fish, sauces, and stuffings. Useful for a fishing field trip or home economics class.

Obtain from: Michigan Sea Grant College Program—see address list.

*Great Lakes Fish Preparation*

By: A. Estes Reynolds, et al.

1978 MICHU-SG-78-100 16 pp.

Illustrated guide to purchasing, cleaning, dressing, and cooking Great Lakes fish. Includes recipes.

Obtain from: Michigan Sea Grant College Program—see address list.

*Great Lakes Fishes—4-H Fact sheets*

By: Michael F. Masterson, et al.

1986-87 9 pp.

Twenty-two fact sheets: fish, brook trout, brown trout, chinook salmon, coho salmon, grayling, lake trout, lake whitefish, rainbow smelt, rainbow trout, bullheads, carp, channel catfish, crappies, lamprey, largemouth bass, muskellunge, northern pike, rock bass, smallmouth bass, sunfishes, walleye, and yellow perch.

Obtain from: Cooperative Extension Service, MSU Bulletin Office, 10-B Agriculture Hall, Michigan State University, East Lansing, MI 48824-1039.

*Guide to Fishing in Central Lake Erie*

By: C. E. Herdendorf

1989 GS-008 \$2.00

Provides fishermen with useful information on the physical and biological nature of central Lake Erie.

Obtain from: Ohio Sea Grant College Program—see address list.

*Guide to Illinois Fishing Regulations*

By: Illinois Department of Conservation

1988 51 pp. Free

This booklet contains not only regulations and angling locations for all types of Illinois fish but also other helpful information such as fishing records and health advisories.

Obtain from: Local sporting good stores or at Illinois Department of Conservation offices in Spring Grove, (815)675-2385 or Chicago (312)917-2070

*Guide to Utilizing the Freshwater Drum, A*

By: David Kelch

1986 20 pp. \$2.00

Obtain from: Ohio Sea Grant College Program—see address list.

*Gyotaku - Japanese Fish Printing*

By: Christopher M. Dewees

1978 8 pp.

Obtain from: California Sea Grant College Program—see address list.

*Gyotaku Japanese Fish Printing*

By: David Smith

1976 SCMRC-E1-76-001 2 pp.

4-H series activity containing a youth and leader/teacher guide sheet.

Obtain from: National Sea Grant Depository—see address list.

*Handbook for Ice Fishermen*

General information on ice fishing.

Obtain from: Department of Natural Resources, Information Service Center, Box 30028, Lansing, MI 48909.



**HELM—Happenings and Educational Activities Around Lake Michigan, The**  
See IA. Boating.

**Home Canning of Fish**

By: David A. Stuijber, et al.  
1984 3 pp. \$0.20

Describes the appropriate procedures for home canning of fish.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

**Home Freezing of Fish**

By: David A. Stuijber  
1986 5 pp. \$0.30

Describes the most reliable and effective ways to select and prepare fish for freezing and describes how to thaw seafood.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

**Home Pickling of Fish**

By: David A. Stuijber, et al.  
1985 3 pp. \$0.50

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

**Home Smoking of Fish**

By: David A. Stuijber, et al.  
1984 5 pp. \$0.25

Describes smoking methods which have been scientifically tested for safety levels and taste quality.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

**How to Select Lure Colors for Successful Fishing**

By: Lynn Frederick  
1985 1 pp. Free

This explains which colors of lure attract fish, depending on species, time of day, depth, and other factors.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

**Ice Fishing**

By: Warren Downs  
1982 20 pp. \$1.00

Summary of Wisconsin's ice fishing regulations. Describes proper clothing, gear, and gadgets needed for comfortable, successful ice fishing.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

**Identifying New York's Salmon and Trout**

By: Daniel J. Decker, et al.  
1978 13 pp.

Obtain from: New York Sea Grant Institute—see address list.

**Illinois Coastal Zone Management Program: Component Study of Biological Communities**  
1976 15 pp.

Obtain from: Illinois Department of Transportation, Division of Water Resources, 310 S. Michigan, Chicago, IL 60604; (312)793-5948.

**Indiana Fish and Wildlife Code Book**

Obtain from: Indiana Department of Natural Resources, Publication Division of Fish and Wildlife, 607 State Office Bldg., Indianapolis, IN 46204.

**Indiana Fish and Wildlife Regulations**

Obtain from: Indiana Department of Natural Resources, Publication Division of Fish and Wildlife, 607 State Office Bldg., Indianapolis, IN 46204.

**Indicators of the Status of Cold Water Predator-Prey Systems**

By: Larry B. Crowder  
1985 6 pp.

Provides hypothesis for the indicators of change in the balance between the salmonid predators and alewives.

Obtain from: National Sea Grant Depository—see address list.

**Interactions of 2,3,7,8-TCDD with Immune Responses of Rainbow Trout**

By: J. M. Spitsbergen, et al.  
1986 18 pp.

Study showed rainbow trouts' immune systems to be surprisingly resistant to dioxin.

Obtain from: New York Sea Grant Institute—see address list.

**International Convention on Great Lakes Fisheries**

By: J. L. McHugh  
1984 NYSGI-0-84-001, pp. 151-159

Obtain from: New York Sea Grant Institute—see address list.

**Investigating the Great Lakes Environment. Unit Two: Great Lakes Fishing in Transition**

By: Augusto Medina, editor  
1984 301 pp. \$37.50

An interdisciplinary curriculum unit for middle-school students. Explores the Great Lakes through an in-depth study of its fishery. Audiovisual provided.

Obtain from: Michigan Sea Grant College Program—see address list.

***Is it a Walleye or a Sauger?: How to Separate Walleye from Sauger***

By: Fred L. Snyder

1989 2 pp. Free

Obtain from: Ohio Sea Grant College Program—see address list.

***Is it a White Bass or a White Perch?***

By: Fred L. Snyder

1987 1 pp. Free

This illustrates and describes the history of white bass, which is the native species of Lake Erie, and the white perch which is the invading species.

Obtain from: Ohio Sea Grant College Program—see address list.

***Kitchi Gami Cooker:—A Primer on Lake Superior Fish***

By: Julianne Agnew, et al.

1979 64 pp. \$2.00

Obtain from: Minnesota Sea Grant Program—see address list.

***Lake Erie Cookbook***

By: M. L. Holland, et al.

1989 GS-005 \$3.00

Information on nutrition, fish selection, handling, and cleaning plus 124 recipes.

Obtain from: Ohio Sea Grant College Program—see address list.

***Lake Trout: Leave and Let Live***

By: U.S. Fish and Wildlife Service Free

A flyer suggesting ways to avoid catching lake trout as well as release techniques that increase the chances for survival of any lakera that are caught.

Obtain from: Illinois-Indiana Sea Grant Program—see address list.

***Lake Trout Returns to Lake Ontario, The***

By: Ellen J. Marsden

1987 In *The Conservationist*, Vol. 41 4 pp.

Obtain from: NY State Department of Environmental Conservation.

***Lamprey Barrier: A Story of Persistence***

By: Gale Holloway, et al.

1987 4 pp.

Obtain from: The Great Lakes Commission, The Argus II Building, 400 S. Fourth St., Ann Arbor, MI 48103.

***Let's Go Fishing, a Fish and Fishing Project***

By: D.J. Decker, et al.

1978 33 pp.

A 4-H project leader's guide.

Obtain from: New York Sea Grant Extension Office, 21 S. Grove St., East Aurora, NY 14052; (716)652-5453.

***Let's Go Ice Fishing***

By: Ronald A. Howard Jr., et al.

1985 20 pp.

This booklet explains the equipment, methods and safety precautions needed for enjoyable ice fishing.

Obtain from: New York Sea Grant Institute—see address list.

***Life History, Abundance, and Potential Harvest of Carp from Michigan Waters of the Great Lakes***

By: Rosanna L. Martingly

1979 MICHU-SG-79-205 66 pp.

Obtain from: Michigan Sea Grant College Program—see address list.

***Littoral Drift***

See IA. Boating.

***Mid-Atlantic Artificial Reef Conference—A Collection of Abstracts***

By: James D. Murray

1981 28 pp.

Obtain from: New Jersey Sea Grant Extension Service—see address list.

***Mid West Outdoors***

By: Gene M. Laulunen

Newspaper Monthly

Obtain from: Mid West Outdoors, 111 Shore Dr., Hinsdale, IL 60521; (312)887-7722.

***Movements of Rainbow Steelhead Trout in Lake Ontario and a Hypothesis for the Influence of Spring Thermal Structure***

By: J.M. Haynes, et al.

1986 *Journal of Great Lakes Research*, Vol. 12, No. 4, pp. 304-313.

Obtain from: International Association of Great Lakes Research, University of Michigan, 2200 Bonisteel Blvd., Ann Arbor, MI 48109.

***New Approach for the Establishment of Fish Consumption Advisories, A***

By: Milton Clark, et al.

1987 *Journal of Great Lakes Research*, Vol. 14, No. 3 8 pp.

Presents an advisory approach that employs risk assessment techniques.

Obtain from: International Association of Great Lakes Research, University of Michigan, 2200 Bonisteel Blvd., Ann Arbor, MI 48109.



***New U.S. Coast Guard Definition Affects Recreational Boaters***

See IA. Boating

***New York State Fish Consumption Advisories: Who's At Risk and Why***

By: Glenna Ryan

1985 12 pp.

Obtain from: New York Sea Grant Institute—see address list.

***Newspaper clippings from the 5-county area in the Illinois-Indiana Lake Michigan region—1986 to present***

See IA. Boating.

***Northern Crayfish: An Update***

By: Jeffrey Gunderson

1989 4 pp. Free

***Observations of "Hydra" From a Submersible at Two Deepwater Sites in Lake Superior***

By: Thomas F. Nalepa, et al.

1987 Journal of Great Lakes Research, Vol. 14, No. 1, pp. 84-87.

Obtain from: International Association of Great Lakes Research, University of Michigan, 2200 Bonisteel Blvd., Ann Arbor, MI 48109.

***On Julian's Reef***

By: Jim Huffstodt

1986 Outdoor Highlights, Vol. 14, No. 14 (July 21), pp. 4-7.

Obtain from: Illinois Department of Conservation, Office of Public Information, 524 S. Second St., Springfield, IL 62701-1787; (217)782-7454.

***Optimum Sustainable Yield as a Management Concept in Recreational Fisheries***

By: Frank E. Carlton

1974 AFS-W-74-001 pp. 45-50

Obtain from: National Sea Grant Depository—see address list.

***Pacific Salmon in the Great Lakes—The History and Future***

By: Warren Downs

5 pp. Free

Traces the campaign to restore a predator-prey balance in the Great Lakes after parasitic sea lamprey were brought under control in 1960s.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

***PCB's and Other Xenobiotics in Raw and Cooked Carp***

By: Mary E. Zabik, et al.

1982 MICHU-SG-82-304 6 pp.

Obtain from: Michigan Sea Grant College Program—see address list.

***PCB's Dieldrin and DDT in Lake Trout Cooked by Broiling, Roasting or Microwave.***

By: Mary E. Zabik, et al.

1979 In Michigan Agricultural Experiment Station Journal, (January issue) 9 pp.

Explains reduction of toxic contaminants in the fish using three methods of cooking.

Obtain from: Department of Food Science and Human Nutrition, Food Science Bldg., #139, Michigan State University, East Lansing, MI 48824.

***Population Characteristics of Adult Pink Salmon in Two Minnesota Tributaries to Lake Superior***

By: Joseph P. Nicolette, et al.

1986 Journal of Great Lakes Research, Vol. 12, No. 4, pp. 237-250

Obtain from: International Association of Great Lakes Research, University of Michigan, 2200 Bonisteel Blvd., Ann Arbor, MI 48109.

***Preparing Those Forgotten Fish for Your Dinner Table***

By: Michael Voiland

1978 4 pp.

Obtain from: New York Sea Grant Institute—see address list.

***Prey Identification Relating to the Great Lakes Sea Grant Network Salmonid Diet Study***

By: Joan Janssen

1985 4 pp.

Several tables, illustrations and brief keys covering fish anatomy; game fish and their prey; and the prey in various stages of digestion.

Obtain from: Illinois-Indiana Sea Grant Program—see address list.

***Public Access Site: Indiana***

See IA. Boating

***Putting PCB's in Perspective***

By: Christine Pennisi

1985 HELM Newsletter (Fall/Winter 1985-86) 3 pp. Free

Explains how one health expert balanced the risks of eating certain Lake Michigan fish with other risks in a person's life.

Obtain from: Illinois-Indiana Sea Grant Program—see address list.

***Recreation and Weather Guide to the Minnesota Shore of Lake Superior***

See IA. Boating.

*Reducing Levels of Mirex, Aroclor 1254 (PCB) and DDE by Trimming and Cooking Lake Ontario Brown Trout and Smallmouth Bass*

By: Jack Skea, et al.  
1979 Journal of Great Lakes Research, Vol. 5, No. 2 7 pp.

Shows that proper trimming before cooking reduced 43-64% of the levels of the 3 contaminants in the fish.

Obtain from: New York State Department of Environmental Conservation, 8314 Fish Hatchery Rd., Rome, NY 13440.

*Reducing Red Worm Parasites in your Lake Erie Yellow Perch Catch*

By: John L. Crites, et al.  
1986 2 pp.

Obtain from: Ohio Sea Grant College Program—see address list.

*Regional Impacts of Fishery Allocation to Sport and Commercial Interests: A Case Study of Ohio's Portion of Lake Erie*

By: L.J. Hushak, et al.  
1986 RS-065 North American Journal of Fisheries Management, Vol. 6, No. 4, pp. 472-480

Obtain from: Ohio Sea Grant College Program—see address list.

*Relative Cancer Risks of Chemical Contaminants in the Great Lakes*

By: Kenneth M. Bro, et al.  
1987 10 pp. Loan copy available.

Risk assessment for anyone who drinks water or eats fish from the Great Lakes.

Obtain from: National Sea Grant Depository—see address list.

*Reproductive Success of Male Smallmouth Bass in Long Point Bay, Lake Erie*

By: Gregory Goff  
1986 American Fisheries Society, Vol. 115, No. 3, pp. 415-423

Obtain from: American Fisheries Society, 5410 Grosvenor Lane, Suite 110, Bethesda, MD 20814.

*Role of Size Limits in Walleye Management. The*

By: Christopher S. Brousseau  
1987 4 pp.

Obtain from: The Great Lakes Commission, The Argus II Building, 400 S. Fourth St., Ann Arbor, MI 48103.

*Sanctuaries for Lake Trout in the Great Lakes*

By: Jon G. Staneley, et al.  
1987 12 pp.  
Obtain from: National Fisheries Center—Great Lakes, 1451 Green Rd., Ann Arbor, MI 48105.

*Seasonal Movements and Habits of Brown Trout in South Central Lake Ontario*

By: D.C. Nettles, et al.  
1987 Journal of Great Lakes Research, Vol. 14, No. 2, pp. 168-177.

Obtain from: International Association of Great Lakes Research, University of Michigan, 2200 Bonisteel Blvd., Ann Arbor, MI 48109.

*Seiche. The*  
See IA. Boating.

*Sheboygan Angler*

By: Romy Pittner  
A Sheboygan area Great Lakes sport fishermen magazine.

Obtain from: The Angler, 1536 N. 35th St., Sheboygan, WI 53081

*Smelt - Dip Net To Dish*

By: Jeff Gunderson  
1988 4 pp.

A Lake Superior Advisory Notes publication.  
Obtain from: Minnesota Sea Grant Program—see address list.

*Smoking Fish at Home*

By: Fred Snyder  
1986 2 pp. Free

This fact sheet explains how to prepare and brine fish, to build and operate a smokehouse, and to store your smoked fish.

Obtain from: Ohio Sea Grant College Program—see address list.

*Southern Lake Michigan Sportfishery: Angler Profiles and Specialization Index for Illinois and Indiana*

By: James D. Absher, et al.  
1987 130 pp. \$3.00

Contains a generalized angler profile, including fishing knowledge, preferences, and sociodemographics.

Obtain from: Illinois-Indiana Sea Grant Program—see address list.

*Stock Structure of Rainbow Smelt in Western Lake Superior: Biochemical Genetics*

By: Donald Schreiner  
Obtain from: Minnesota Sea Grant Program—see address list.

*Suitability of Coal-waste Blocks in the Freshwater Environment of Lake Ontario*

By: George Flynn, et al.  
1985 14 pp.  
Obtain from: New York Sea Grant Institute—see address list.



*Summary of Fish Trimming and Cooking Techniques Used to Reduce Levels of Oil Soluble Contaminants*

By: Jac: Skea, et al.  
1981 36 pp.

Obtain from: Field Toxicant Research Unit, 8314 Fish Hatchery Rd., Rome, NY 13440.

*Survival From Sea Lamprey Predation by Two Strains of Lake Trout*

By: William D. Swink, et al.  
1986 Canadian Journal of Fisheries Aquatic Sciences, Vol. 43, No. 12, pp. 2528-2531

Obtain from: The Great Lakes Commission, The Argus II Building, 400 S. Fourth St., Ann Arbor, MI 48103.

*Thermal fronts: magnets for salmon and trout*

By: Mike Voiland  
1986 3 pp.

Obtain from: New York Sea Grant Institute—see address list.

*To Harvest a Walleye*

By: Susan Leach, et al.  
1982 EP-011 Teacher and youth manuals  
16 pp. \$3.00

Obtain from: Ohio Sea Grant College Program—see address list.

*Twine Line*

See IA. Boating.

*Upper Great Lakes Fish Boil: A Tasty Tradition*

By: Dale Baker and Jeff Gunderson  
1988 SAN #26 2 pp. Free

Obtain from: Minnesota Sea Grant Program—see address list.

*Upwellings*

See IA. Boating.

*Western Lake Erie Recreational Climate Guide*

See IA. Boating.

*Who's Managing the Fish?*

By: Tom Flatt, et al.  
Annual 18 pp. Free

This booklet gives complete creel surveys, lake surveys, research studies, stocking schedules and lists other activities undertaken during the last year.  
Obtain from: Indiana Department of Natural Resources, Division of Fish and Wildlife, 607 State Office Bldg., Indianapolis, IN 46204.

*Wildlife Project: Fishing (Bait, Spin, Fly Casting, and Safety).*

1979 12 pp.

Obtain from: Local Cooperative Extension 4-H office.

*Wildlife Project: Making Artificial Lures*

1981 12 pp.

Obtain from: Local Cooperative Extension 4-H office.

*Yellow Perch in Lake Erie*

By: Roseanne Fortner, et al.  
1986 Teacher and youth guides \$3.00

Includes board game designed to introduce students to the stages of the perch life cycle and its effects on the perch population size.

Obtain from: Ohio Sea Grant College Program—see address list.

## IC. Sailing

*Central Lakes Erie Recreational Climate Guide*

See IA. Boating.

*Fun of Sailing, The*

1977 37 pp.

A brief "learn-to-sail" booklet containing three basic lessons that can be learned in three days using a 12-15 foot boat.

Obtain from: Your local Alcott AMF Sailboat store or write to AMF Alcott, Inc., South Leonard St., Waterbury, CT 06720.

*Grapnel*

By: Robert Powers  
1971 MIT-E-71-002, pp. 147-148

Part of Shields Sailboat Search program.

Obtain from: Massachusetts Institute of Technology Sea Grant College Program—see address list.

*Great Lakes Boating*

See IA. Boating.

*Great Lakes Sailor*

By: Jane Rieteld  
1952

Story about a young boy's adventures as an apprentice sailor.

Obtain from: Viking, New York or your local library.

*How Do People Use Lighthouses and Navigational Charts? A Marine Education Infusion Unit*

See IA. Boating.

*Knowing the Ropes*

See IA. Boating.

*Legal and Liability Considerations of Renting a Boat: Questions and Answers*  
See IA. Boating.

*Modern Practical Seaman's Views on Commercial Sailing, A*

By: H. F. Morin Scot  
1983 FLSGP-W-83-002, pp. 132-154  
Obtain from: Florida Sea Grant College Program—see address list.

*Motor Boat and Sailing*  
See IA. Boating.

*Navigation and Communication*

By: Fred Horr  
1971 MIT-E-71-002, pp. 131-135  
Part of Shields Sailboat Search program.  
Obtain from: Massachusetts Institute of Technology Sea Grant College Program—see address list.

*Newspaper clippings from the 5-county area in the Illinois-Indiana Lake Michigan region—1986 to present*  
See IA. Boating.

*Public Access Sites in Indiana*  
See IA. Boating.

*Recreation and Weather Guide to the Minnesota Shore of Lake Superior*  
See IA. Boating.

*Search Pattern*

By: Fred Horr  
1971 MIT-E-71-002, pp. 125-130.  
Part of Shields Sailboat Search program.  
Obtain from: Massachusetts Institute of Technology Sea Grant College Program—see address list.

*Side Scan Sonar*

1971 MIT-E-71-002, pp. 136-146.  
Part of Shields Sailboat Search program.  
Obtain from: Massachusetts Institute of Technology Sea Grant College Program—see address list.

*Simplified Sail Handling for Yachts and Commercial Vessels*

By: Frank Maclear  
1983 In FLSGP-2-83-003, pp. 244-262  
Obtain from: Florida Sea Grant College Program—see address list.

*Western Lake Erie Recreational Climate Guide*  
See IA. Boating.

## ID. Other Water Sports and Safety

*Ambassador of the Sea: Share Your Experience*

By: Bonnie Kay Schwan  
1983 MICHU-SG-84-301  
Conference on Underwater Education Proceedings.  
pp. 210-214 \$0.40  
Obtain from: Michigan Sea Grant College Program—see address list.

*Cold Water Drowning: A New Lease on Life*

By: Martin J. Nemiroff  
1977 MICHU-SG-77-104 13 pp. \$0.10  
Detailed information on rescuing victims in a cold water drowning emergency. Includes graphics depicting rescue techniques.  
Obtain from: Michigan Sea Grant College Program—see address list.

*Cold Water Survival—Hypothermia*

By: Stephen Stewart, et al.  
1980 MICHU-SG-80-315  
Brief description of hypothermia, first aid for the hypothermia victim, and hypothermia prevention.  
Obtain from: Michigan Sea Grant College Program—see address list.

*Commodore Wilvert E. Longfellow: Water Safety Crusader*

Biography of Red Cross water safety program creator  
Obtain from: American Red Cross, Mid-America Chapter, 43 E. Ohio St., Chicago, IL 60611 or nearest ARC chapter.

*Diver Education Series Brochure*

By: Lee H. Somers  
1987 4 pp. Free  
This brochure describes 18 inexpensive informational booklets about scuba-diving for novice and experienced divers.  
Obtain from: Michigan Sea Grant College Program—see address list.

*Feasibility Study of CPR in the Water*

By: Nico March, et al.  
1980 Journal reprint 7 pp.  
Obtain from: California Sea Grant College Program—see address list.

*Hooked!*

By: Sheila Shafer  
1934 4 pp.  
A first aid publication.  
Obtain from: Alaska Sea Grant College Program—see address list.



*Hypothermia and the Pediatric Patient*

By: Richard S. Young, et al.  
1983 MINNU-B-83-001, pp. 20-34

Obtain from: Minnesota Sea Grant Program—see address list.

*Hypothermia: Causes, Effects, Prevention*

By: Robert S. Pozos  
1982 173 pp. \$14.95

Obtain from: New Century Publishers, Inc., 275  
Old New Brunswick Rd., Piscataway, NJ 08854.

*Introduction to Scuba Diving*

By: Lee Somers  
1986 9 pp. MICHU-SG-86-504 \$1.25

Describes physical skills and economic investment required for scuba diving and how to choose a good instructor.

Obtain from: Michigan Sea Grant College Program—see address list.

*Learn to Swim*

Publication No. 2118. Free

Obtain from: American Red Cross, Mid-America Chapter, 43 E. Ohio St., Chicago, IL 60611 or nearest ARC chapter

*Making Marine Reporting System (MAREP) Work, Proceedings—1985 National MAREP Conference*

1986 103 pp.  
Discusses non-weather service vessels and facilities assisting the Weather Service with call-in reports.

Obtain from: Louisiana Sea Grant College Program—see address list.

*New No-Decompression Tables Based on No-Decompression Limits Determined by Doppler Ultrasonic Bubble Detection*

By: Karl E. Huggins  
1981 MICHU-SG-81-205 \$0.40

This is a new No-Decompression table for scuba divers.

Obtain from: Michigan Sea Grant College Program—see address list.

*Newspaper clippings from the 5-county area in the Illinois-Indiana Lake Michigan region—1986 to present*

See IA. Boating.

*NOAA Weather Information from your Home Computer*

By: Robert Werner, et al.  
1985 2 pp. Free

Weather forecasts via home computers.

Obtain from: University of Delaware Sea Grant College Program—see address list.

*Pennants: Hypothermia...Surviving in Cold Water*

By: James F. Lubner  
1985 1 p. Free

Illustrated bulletin that lists the telltale symptoms of mild-to-critical stages of hypothermia; outlines first aid procedures.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Recreation and Weather Guide to the Minnesota Shore of Lake Superior*

See IA. Boating.

*Scuba Diving the Minnesota Shore of Lake Superior*

By: Howard Bell  
1988

Fact sheet on diving sites along the lake and what can be found at each one.

Obtain from: Minnesota Sea Grant Program—see address list.

*Secret Mission*

By: Larry Czachor  
Oct. 26, 1986 In Sunday Magazine,  
Chicago Tribune 5 pp.

Article explains how World War II airplanes that crashed into Lake Michigan are being unexpectedly discovered by scuba divers.

Obtain from: Chicago Tribune, 435 N. Michigan Ave., Chicago, IL 60611; (312)222-3232.

*Selecting a Scuba Diving Buddy*

By: Lee H. Somers  
1987 MICHU-SG-87-501 25 pp.  
\$1.50

This booklet examines the fundamental rules for buddy diving.

Obtain from: Michigan Sea Grant College Program—see address list.

*Submersion Hypothermia and Near-Drowning*

By: A. W. Corn  
1983 MINNU-B-83-001, pp. 152-164

Obtain from: Minnesota Sea Grant Program—see address list.

*Superior Boating Safety*

By: Kim Elverum  
1978 SAN #74 pp. Free

Obtain from: Minnesota Sea Grant Program—see address list.

*Survival in Cold Water: Hypothermia Prevention*

By: Chad P. Dawson  
1989 SAN-16 6 pp. Free

Obtain from: Minnesota Sea Grant Program—see address list.

### *Swimming and Aquatic Safety*

Obtain from: American Red Cross, Mid-America Chapter, 43 E. Ohio St., Chicago, IL 60611

### *Thermoregulation and Hypothermia in the Elderly*

By: K. Cooper

1983 MINNU-B-83-001, pp. 35-36

Obtain from: Minnesota Sea Grant Program—see address list.

### *Wreck Diver*

By: Kathy Kastilahn

Oct. 2, 1986 In *Wilmette Life*

This article focuses on a Northbrook, IL resident who has for nearly 20 years collected relics from shipwrecks while scuba diving in Lake Michigan.

Obtain from: Wilmette Life, 1232 Central Ave., Wilmette, IL 60091; (312)251-4300.

## IIA. Our Great Lakes Heritage

### *Ancient Shores on Lake Erie*

By: James Comiinsky, et al.

1982 EP-003 Teacher and youth manual  
12 pp. \$3.00

Obtain from: Ohio Sea Grant College Program—see address list.

### *Around Lake Michigan*

By: Jean R. Komaiko, et al.

1980 450 pp.

Discusses historical points of interest, the phenomena of the lake (storm, seiches), and the many recreational opportunities around the shoreline of the four states.

Obtain from: Libraries or bookstores in the Lake Michigan region, or Houghton Mifflin Co., 1 Beacon St., Boston, MA 02108.

### *Around the Shores of Lake Michigan—A Guide to Historic Sites*

By: Margaret Beattie Bogue

1985 382 pp. \$19.95

Besides an 85-page overview of the 1,660 mile trip, the book devotes text to 182 points of historic and contemporary interest around the Lake.

Obtain from: Libraries or bookstores in the Lake Michigan region, or the University of Wisconsin Press, 114 N. Murray St., Madison, WI 53715.

### *Around the Shores of Lake Superior: A Guide to Historic Sites*

By: Margaret Beattie Bogue, et al.

1979 179 pp.

Obtain from: local library.

### *Atlas of Great Lakes Indian History*

By: Helen Hornbeck Tanner

1986 232 pp. \$57.50

An evocative text plus thirty-three highly detailed maps demonstrating the massive displacement of native communities from 1640 to 1871.

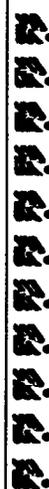
Obtain from: Libraries or bookstores in the Lake Michigan area, or University of Oklahoma Press.

### *Beacon Newsletter, The*

By: Great Lakes Lighthouses Keepers Association  
On-going

Contains a lighthouse bibliography.

Obtain from: Great Lakes Lighthouses Keepers Association, P.O. Box 2907, Southfield, MI 48037.



*Beautiful Ships: a Story of the Great Lakes, The*  
By: John B. Prescott  
1952

Story of a fisherman's family during the invasion of the sea lamprey.

Obtain from: Longmans, Green; ABC-CLIO, Inc.,  
2040 Alameda Padre Sierra, PO Box 4397, Santa  
Barbara, CA 93140-4397.

*British Great Lakes Forts, The*

By: Carl E. Krog  
1986 Inland Seas, Vol. 42, No. 4 pp., 252-260

Obtain from: Inland Seas, Great Lakes Historical  
Society, 480 Main St., Vermilion, OH 44089.

*Brownstone and Bargeboard - A Guide to  
Bayfield's Historic Architecture*

By: Whitney Gould, and Stephen Wittman  
1981 42 pp. \$1.00

Obtain from: University of Wisconsin Sea Grant  
Institute—see address list.

*Call It North Country*

By: John Bartlow Martin  
300 pp. \$24.95 for cloth; \$10.95 for paperback  
(Add \$1.25 per book for shipping; 6% sales tax for  
Ohio residents).

Early exploration and lives of hunters, trappers,  
miners and lumberjacks of the upper peninsula.  
Obtain from: The Great Lakes Bookseller, 108 W.  
Perry St., Port Clinton, OH 43452

*Clear Water, Clean Water: Current Programs and  
Future Strategies for Managing Great Lakes Water  
Quality*

See IIIA. Great Lakes Urban and Natural  
Resources.

*Coastal Zone Management Information Exchange*

By: Office of Ocean and Coastal Resource  
Management

Quarterly 40 pp. Free

Gives the status of state coastal zone management  
programs including those of Wisconsin, Michigan,  
Pennsylvania, New York, and Ohio (the other  
Great Lakes States do not have such programs).  
Obtain from: National Oceanic and Atmospheric  
Administration, U.S. Department of Commerce,  
1825 Connecticut Ave. N.W., Washington DC,  
20235.

*Coastlines*

See IA. Boating.

*Cultural, Economic and Historical Characteristics  
of the Green Bay Region*

1976 144 pp.

Obtain from: University of Wisconsin Sea Grant  
Institute—see address list.

*Directory of Great Lakes Educational Material*

By: Great Lakes Science Advisory Board  
1987 75 pp. Free

This comprehensive reference cites materials  
indexed by subjects and grades and divided by the  
type of material (book, newsletter, film, kit, etc.).  
Obtain from: International Joint Commission, PO  
Box 32869, Detroit, MI 48232.

*Diversion of Great Lakes Water—Part 1. Hydro-  
logic Impacts and Part 2. Economic Impacts*

By: Eric D. Loucks, et al.  
1987 69 pp. \$4.00 each

This is an assessment of several diversion models  
for Great Lakes water, including the hydrologic  
and economic consequences of each model.  
Obtain from: University of Wisconsin Sea Grant  
Institute—see address list.

*Draft Environmental Impact Statement for a  
Proposed Diversion of Lake Michigan Water at  
Chicago*

By: Keith Ryder  
1988

Describes impacts of a project which would divert  
Lake Michigan water when the lake is above its  
normal level; when no flooding would occur  
downstream; and when no impact on navigation  
depths would occur on the rest of lakes system.  
Obtain from: US Army Corps of Engineers,  
Chicago District Environmental Branch, 219 S.  
Dearborn St., Chicago, IL 60604.

*Duel for the Dunes*

By: Kay Franklin, et al.  
1983 278 pp. \$18.95

A recounting of the dramatic saga of conflict that  
reveals the volatile personalities and politics  
behind the fierce struggle for a 45-mile stretch of  
Lake Michigan shoreline.

Obtain from: University of Illinois Press, 100  
University Press, 54 E. Gregory, Champaign, IL  
61820. In Chicago area, may be found at  
B. Dalton or Walden bookstores.

*Edge of the Arrowhead*

By: R. Lydecker  
1982 60 pp. \$2.00

Provides thumbnail sketches of the history of  
Minnesota's North Shore.  
Obtain from: Minnesota Sea Grant Program—see  
address list.

*Evidence of Ancient Seas in Ohio*

By: Susan Leach, et al.  
1979 EP-010 Teacher and youth manuals  
9 pp. and 7 pp. \$3.00

Obtain from: Ohio Sea Grant College Program—  
see address list.

*Evolution of Water Resource Management: A Laurentian Great Lakes Case Study*

By: H. J. Harris, et al.  
1987 17 pp. Free

A reconstruction of the evolution of water resource management in the Great Lakes Basin, based on the case of Lower Fox River.

Obtain from: National Sea Grant Depository—see address list.

*Faces of the Great Lakes*

By: B. King  
1977 190 pp.

Picture book containing information about the beginning of the Great Lakes. Discusses the fur trade, its changes, and other transformations.

Obtain from: Sierra Club Books, 530 Bush St., San Francisco, CA 94108.

*Forever Open, Clear and Free*

By: Lois Willie  
1972

A history of the development of Chicago's lakefront.

Obtain from: Regnery Gateway Inc., 1130 17th St., NW, Washington, DC 20036.

*From a Bailly Point of View*

By: Olga M. Schiemann

Obtain from: Indiana Dunes National Lakeshore, 1100 N. Mineral Springs Rd., Porter, IN 46304.

*Ghost Ships of the Great Lakes*

By: Dwight Boyer

This book contains historical accounts of some of the famous lost sunken ships of the Great Lakes.

Obtain from: Local library or bookstore.

*Governor's Conference on Lake Michigan-Illinois' Great Lake: Protecting and Developing a Valuable Natural Resource*

By: Illinois Department of Energy and Natural Resources (ENR)  
1986 249 pp.

Proceedings of the annual ENR conference, dealing with water quality, water quantity, shoreline and water uses, and other related research and policy issues.

Obtain from: ENR, Energy and Environmental Affairs Division, 325 W. Adams St., Springfield IL, 62706; (217)785-2800.

*Grand Hotel*

By: John McCabe  
1987 250 pp. \$29.95 (Add \$1.25 per book for shipping; 6% sales tax for Ohio residents)  
Contains over 200 photographs of the centennial of this famous hotel.

Obtain from: The Great Lakes Bookseller, 108 W. Perry St., Port Clinton, OH 43452.

*Great Lakes - An Environmental Atlas and Resource Book, The*

By: The United States Environmental Protection Agency, et al.  
1987 44 pp.

A vividly colorful reference intended for both classroom and general public that explains both in narrative and map the Great Lakes physical environment and human activities around them.

Obtain from: USEPA, Great Lakes National Program Office, 230 S. Dearborn St., Chicago, IL 60604.

*Great Lakes Basin Compact—Public Law 96-419*

By: the 90th Congress  
1968 9 pp.

This is the federal law that established the Great Lakes Commission. Includes legislative history.

Obtain from: Great Lakes Commission, The Argus II Building, 400 S. Fourth St., Ann Arbor, MI 48103.

*Great Lakes Facts*

1985 Brochures (New edition expected in 1989)

One brochure on the Great Lakes Basin and one on each of the Great Lakes.

Obtain from: Michigan Sea Grant College Program—see address list.

*Great Lakes Guidebook, Vol. 1, Lakes Ontario and Erie, The*

By: George Cantor  
1985

Describes the attractions in the Great Lakes area. Includes maps, suggested walks, and scenic drives. Includes information about the War of 1812 on the Great Lakes.

Obtain from: University of Michigan Press, PO Box 1104, Ann Arbor, MI 48106.

*Great Lakes Indians: A Pictorial Guide*

By: William J. Kubiak  
1970

Illustrations and narratives on dwellings, dress, physical features and cultural characteristics of three linguistic stocks known to have lived in the Great Lakes region. Excellent source.

Obtain from: Baker Publishers, Grand Rapids, MI or your local library.

*Great Lakes Maritime History*

By: Charles Feltner  
1982

Includes references on ship history, shipwreck history, and Great Lakes history.

Obtain from: Seajay Publications, PO Box 2176, Dearborn, MI or your local library.

*Great Lakes Reader, The*

By: Walter Hanighurst  
1966

Highlights the Great Lakes history taken from personal journals, newspapers, and books. A good source for first-hand accounts.

Obtain from: Macmillan Publishing Co., Inc., 866 Third Ave., New York, NY 10022, or your local library.

*Great Lakes Region in Children's Books, The*

By: Donna Taylor  
1980

A selected annotated listing of curriculum-oriented books about the lakes and the states that border them.

Obtain from: Green Oaks Press Publishers, 9339 Spier Rd., Brighton, MI 48116 or your local library.

*Great Lake's Reporter, The*

Bimonthly newsletter 12 pp.

Obtain from: The Center for the Great Lakes, 435 N. Michigan Ave., #1408, Chicago, IL 60611; (312)645-1901.

*Great Stories of the Great Lakes: Thrilling Tales of Tragedy; Humor, and Heroism on the World's Greatest Freshwater Seas*

By: Dwight Boyer  
1966

Obtain from: Dodd, Mead Publishers, 71 5th Ave., New York, NY 10003 or your local library.

*HELM: Happenings and Educational Activities Around Lake Michigan, The*  
See IA. Boating.

*Hiawatha Legends, The*

By: Henry R. Schoolcraft  
272 pp. \$7.49 (add \$1.25 per book for shipping; 6% tax for Ohio residents)

A reprint of the original 1856 work.  
Obtain from: The Great Lakes Bookseller, 108 W. Perry St., Port Clinton, OH 43452.

*Historical Basis for Limits on Lake Superior Level Regulations*

By: H. Hartmann  
1986 24 pp.

This is an open file report.  
Obtain from: Great Lakes Environmental Research Laboratory, 2205 Commonwealth Blvd., Ann Arbor, MI 48105-1593.

*Historically Famous Lighthouses*

1972 Pub. No. 5P15/N050-012-00097.2  
88 pp. \$1.40

Illustrated historical lore surrounding 56 famous American lighthouses.

Obtain from: Superintendent of Documents, US Government Printing Office, 710 N. Capitol St., NW, Washington, DC 20402.

*Implications of Interbasin Diversions, Consumptive Use, and the Greenhouse Effect on Future Great Lakes Water Management*

By: F.H. Quinn  
1985 4 pp.

From the Sixth Conference on Hydrometeorology, Indianapolis, IN, October 29 - November 1, 1985.  
Obtain from: Great Lakes Environmental Research Laboratory, 2205 Commonwealth Blvd., Ann Arbor, MI 48105-1593.

*Indian Names in Michigan*

By: Virgil J. Vogel  
1986 227 pp. \$22.00 (\$13.95—paperback)  
Obtain from: University of Michigan Press, P.O. Box 1104, Ann Arbor, MI 48106.

*Island Heritage*

By: Ted Ligibel, et al.  
1987 96 pp. \$5.95

Information for visitors on the Bass Island in Lake Erie, including descriptions of eight walking tours.  
Obtain from: Ohio State University Press, 1070 Carmack Rd., Columbus, OH 43210.

*Lacustrine Lessons*

Newsletter for educators Published through August 1988; back issues are available Free  
Provides water-related lessons for grade K-12.  
Obtain from: Minnesota Sea Grant Program—see address list.

*Lake Erie Facts*

By: Jeffrey M. Reutter  
1987 2 pp. Free

Facts and figures on Lake Erie.  
Obtain from: Ohio Sea Grant College Program—see address list.

*Lake Huron 1980 Intensive Survey, Summary Report. Report to the Surveillance Work Group*

By: International Joint Commission  
1986 133 pp.  
Obtain from: International Joint Commission, The Great Lakes Regional Office, 100 Ouellette Ave., Windsor, Ont. CANADA N9A 6T3.

*Lake Michigan Monitor*

By: Lake Michigan Federation  
Quarterly Newsletter 8 pp. Available with membership

Primarily contains information on Lake Michigan pollution and erosion issues.

Obtain from: Lake Michigan Federation, 8 S. Michigan Ave., #2010, Chicago, IL 60608; (312)263-5550.

*Lakers, The*

1987 128 pp. \$32.50

The first all-color pictorial of past and present Great Lakes vessels.

Obtain from: Great Lakes Boating Magazine, 830 N. State St., Chicago, IL 60610; (312)266-8400.

*Land of the Inland Seas: The Historic and Beautiful Great Lakes Country*

By: William D. Ellis  
1974

Covers the period from the retreat of the Wisconsin glacier 15,000 years ago to the building of the Minnesota's Experimental City. Good source of illustrations, charts, and maps.

Obtain from: American West Publishers, 7000 E. Tanque Verde Rd., Suite 30, Tucson, AZ 85715, or local library.

*Late Wisconsinian Glacial History of Northeastern Wisconsin and Western Upper Michigan*

By: W. L. Peterson  
1986 Bulletin 1652, 14 pp. \$2.25

Obtain from: United States Geological Survey, Books and Open-File Reports, Box 25425, Denver, CO 80225.

*Law and the Lakes: Toward a Legal Framework for Safeguarding the Great Lakes Water Supply, The*

By: The Center for the Great Lakes  
1986 \$12.00 (10 copies or more/\$10.00 each)

A reference guide that examines the current Great Lakes Framework for managing consumptive uses and protecting from diversions.

Obtain from: The Center for the Great Lakes, 438 N. Michigan Ave., #1408, Chicago, IL 60611  
ATTN: Publications Section; (312)645-0901.

*Littoral Drift*

See IA. Boating.

*Memories of the Lakes: Told in Story and Picture*

By: D.T. Brown  
1967

Discusses the history of the Great Lakes, several major storms, a sea lock accident and many more subjects.

Obtain from: Freshwater Press, 1701 E. 12th St., Suite 3KW, Cleveland, OH 44114-3201.

*Michigan Natural Resources Magazine - Special Lighthouse Issues*

By: Michigan Department of Natural Resources  
Jan./Feb.-1984, July/Aug.-1981 \$2.00

Obtain from: Outdoor Store, PO Box 30034, Lansing, MI 48909; (800)248-5848.

*Naming, The*

By: Conan B. Easton

Life on Washington Island in Lake Erie between 1800 and 1870 including the events of 1816 that led to the naming of the island.

Obtain from: Ohio Libraries

*New York State Supplement to Coastal Problems and Resource Management*

By: Bob Jaeger, et al.  
1983 156 pp.

This contains student activities in coastal ecology and coastal management.

Obtain from: New York Sea Grant Institute—see address list.

*Newspaper clippings from the 5-county area in the Illinois-Indiana Lake Michigan region—1986 to present*

See IA. Boating.

*Northern Lights*

By: Charles K. Hyde  
1984 \$30.00

A survey of Great Lakes lighthouses conducted by Wayne State University history professor for the U.S. Coast Guard.

Obtain from: Michigan Department of Natural Resources, PO Box 30034, Lansing, MI 48909; (800)248-5840 or Lake Michigan region libraries or bookstores.

*Ohio's North Coast: A Resource in Transition*

By: Dr. Charles E. Herdendorf  
1987 FS-034 3 pp. Free

Information on the character of the Lake Erie lakeshore.

Obtain from: Ohio Sea Grant College Program—see address list.

*Origin and Meaning of Place Names Along Lake Superior Shoreline Between Keweenaw Portage and Montreal River, The*

By: Bernard C. Peters  
1986 Michigan Academician, Vol. 19, No. 2, pp 253-257

Obtain from: Michigan Academy of Science, Arts, and Letters, Toumy House, 2117 Washtenaw Ave., Ann Arbor, MI 48104.



*Origin and Meaning of the Name Sault Sainte Marie, The*

By: Bernard C. Peters  
1987 5 pp.

Obtain from: Illinois-Indiana Sea Grant Program-- See address list.

*Our Great Lakes Connection: A Curriculum Guide for Grades Kindergarten Through Eight*

By: Lynn Entine, et al.  
1985 204 pp. Free (one per teacher)

This book contains many student activities that teach about the science, social science, and drama of the Great Lakes.

Obtain from: Environmental Resources Center, 216 Ag Hall, 1450 Linden Dr., Madison WI, 53706; (608)262-1377.

*Preserving the Lights of the Straits*

By: Mike Van Hoey  
1986 Michigan History, Vol. 70, No. 5, pp. 24-29

Obtain from: Michigan History, Department of State, Michigan Bureau of History, Lansing, MI 48918.

*Rock Island*

By: Conan B. Eaton  
64 pp. \$3.75

From pioneer times to the return of the island to public domain as a park.

Obtain from: The Great Lakes Bookseller, 108 W. Perry St., Port Clinton, OH 43452.

*Sacred Sands: The Struggle for Community in the Indiana Dunes*

By: J. Ronald Engel

This social history explains the events that led to the creation of the Indiana Dunes National Lakeshore.

Obtain from: Lake Michigan regional libraries or northwest Indiana bookstores.

*Sault Ste. Marie Canal: A Chapter in the History of Great Lakes Transportation, The*

By: Brian Osborne, et al.  
1986 148 pp. \$9.00

Catalogue number: No. R61-2-9-32E

Obtain from: The Canadian Government Publishing Centre, Ottawa, Ontario K1A 0S9.

*Secret Mission*

See ID. Other Water Sports and Safety.

*Seiche, The*

See IA. Boating.

*Souvenirs of Lake Michigan: An Interdisciplinary Teachers Workshop at the Illinois Beach Park*

By: The Illinois Department of Conservation  
1978 100 pp.

Obtain from: Illinois Department of Transportation, Division of Water Resources, Rm. 1606, 310 S. Michigan, Chicago IL 60604; (312)793-5948.

*Spell of the White Sturgeon, The*

By: Jim Kjelaard  
1953

A novel about Great Lakes commercial fishermen of the early 19th century.

Obtain from: Dodd, Mead Publishers, 71 5th Ave., New York, NY 10003, or local library.

*Strange Adventures of the Great Lakes*

By: Dwight Boyer  
1974

Stories about vessels on the Great Lakes.

Obtain from: Dodd, Mead Publishers, 71 5th Ave., New York, NY 10003, or local library.

*Tecumseh's Last Stand*

By: John Sugden  
1986 286 pp. \$19.95

Account of the Indian leader's actions in the latter part of the War of 1812

Obtain from: University of Oklahoma Press, 1005 Asp Ave., Norman, OK 73019.

*Titanic of Lake Michigan, The*

By: Henry Lange  
Feb 3, 1988 1 pp.

This newspaper article reveals that the huge ship, Chicora, may have been located after its mysterious disappearance 93 years ago.

Obtain from: News Dispatch, 121 West Michigan Blvd., Michigan City, IN 46360.

*Tribute to the Great Lakes, A*

By: Michigan Natural Resources Magazine  
May/June, 1986

Contains sketches and articles about the history, shipping, weather, policy, fisheries, economic development, recreation, water quality, research and future prospects of each lake.

Obtain from: Michigan Department of Natural Resources, PO Box 30034, Lansing, MI 48909.

*Twine Line*

See IA. Boating.

*Upwellings*

See IA. Boating.

**Washington Island: 1836-1876**

By: Conan B. Eaton

85 pp. \$6.50 (Add \$1.25 per book for shipping/6% sales tax for Ohio residents.)

History of the settlement through Yankee, Irish, and Scandinavian periods.

Obtain from: The Great Lakes Bookseller, 108 W. Perry St., Port Clinton, OH 43452.

**Water Resources Management in Ohio: 1830-1860**

By: Gene Krauss

1980 NY SGI-U-80-002, pp. 107-122

Obtain from: New York Sea Grant Institute—see address list.

**We Have Met the Enemy**

By: Dorothy Briss, et al.

1982 EP-021 Teacher and youth guides  
\$2.00

A series of activities that allow students to experience various aspects of the War of 1812 including its causes, the role of Lake Erie, and how the war was won.

Obtain from: Ohio Sea Grant College Program—see address list.

**Wisconsin, Blessed with Abundant Natural Resources, Strives to Balance Environmental Controls, Economic Growth**

By: Bureau of National Affairs

1986 Environment Reporter, Sept. 9, pp. 677-680

Obtain from: Environment Reporter, The Bureau of National Affairs, Inc., 1231 25th St., NW, Washington, DC 20037.

**Wisconsin Coastal History Trails: Lake Michigan**

By: James Purinton

1976 70 pp.

Obtain from: Wisconsin Coastal Management Development Program, c/o Division of Energy, Intergovernmental Relations — Coastal, PO Box 7868, Madison, WI 53707.

**Wisconsin Coastal History Trails: Lake Superior**

By: James Purinton

1976 45 pp.

Obtain from: Wisconsin Coastal Management Development Program, c/o Division of Intergovernmental Relations — Coastal, PO Box 7868, Madison, WI 53707.

**Wreck Diver**

See ID. Other Water Sports and Safety.

**IIB. The History of Canals in the Midwest**

**Big Ditch, Ohio Historical Society Handbook Series, The**

By: Ohio Historical Society

1971

Obtain from: Ohio Historical Society, or local library.

**Birth of the Erie Canal, The**

By: Harvey Chalmers, II

1960

Obtain from: Twayne Publishers, New College and University Press, PO Box 1392, Schenectady, NY 12301, or local library.

**Canal Celebrations in Old Fort Wayne**

By: Staff of Allen County Public Library

1953

Presents various accounts of the history of the Wabash and Erie Canal taken from newspapers at that time.

Obtain from: Allen County Public Library, 900 Webster St., PO Box 2270, Fort Wayne, IN 46801.

**Concerning the Character of the Architectural Legacy of the Illinois and Michigan Canal Corridor between Summit and Joliet**

By: C. William Westfall

1981

Obtain from: Local library.

**Erie Water West: A History of the Erie Canal 1792-1854**

By: Ronald E. Shaw

1966

Obtain from: University Press of Kentucky, 663 S. Limestone St., Lexington, KY 40506-0336, or local library.

**Historic Portage-Portage Canal**

By: Wisconsin State Historical Society

1968

Obtain from: The Wisconsin State Historical Society, 816 State St., Madison, WI 53706, or local library.

**History of the Illinois-Michigan Canal**

By: LaSalle County Conservation Association

1962

Obtain from: LaSalle County Conservation Association or local library.

*How the Irish Built the Erie*

By: Harvey Chalmers II  
1964

Obtain from: Twayne Publishers, New College and University Press, PO Box 1392, Schenectady, NY 12301, or local libraries.

*Indiana's Canal Heritage*

By: Alvin F. Harlow  
1926

Discusses the canal-building expansion of the early nineteenth century American history as it spread westward through Pennsylvania and Ohio into Indiana.

Obtain from: Appleton Century-Crofts, Inc., Prentice Hall, Division of Simon and Schuster, Rte. 9W, Englewood Cliffs, NJ 07675, or local library.

*Long Haul West: The Great Canal Era, 1817-1850, The*

By: Madeline Sadler Waggoner  
1958

A narrative of pioneers' experiences during the canal era. Includes stories of traveling by trail, canal, or railroads.

Obtain from: G.P. Putnam's Sons, The Putnam Publishing Group, 200 Madison Ave., New York, NY 10016, or local library.

*Ohio Canal Era*

By: Ohio Historical Society  
1969

Obtain from: Pioneer Press, 37 S. Palouse St., Walla Walla, WA 99362, or local library.

*Ohio Canals*

By: Rosanne Fortner, et al.  
1981 EP-015 4 pp. \$3.00

Teacher and youth guides.

Obtain from: Ohio Sea Grant College Program—see address list.

*Old Towpaths: The Story of the American Canal Era*

By: Alvin F. Harlow  
1964

Obtain from: Local library.

*Sault Ste. Marie Canal: A Chapter in the History of Great Lakes Transportation, The*

See IIA. Our Great Lakes Heritage.

*Towpath Guide*

Obtain from: Illinois Canal Society or local library.

## II.C. Arts and Crafts of the Great Lakes

*Ambassador of the Sea: Share Your Experience*  
See ID. Other Water Sports and Safety.

*Directory of Great Lakes Educational Material*  
See IIA. Our Great Lakes Heritage.

*Gyotaku—Japanese Fish Printing*  
See IB. Sportfishing.

*Gyotaku Japanese Fishing Printing—Youth and Leader guide*  
See IB. Sportfishing.

*Knowing The Ropes*  
See IA. Boating.

*Last Northwood Reader, The*

By: Cully Gage  
156 pp. \$7.49 (Add \$1.25 per book for shipping/6% sale tax for Ohio residents.)

Obtain from: The Great Lakes Bookseller, 108 W. Perry St., Port Clinton, OH 43452.

*Make Your Own Fish Trophy*

By: Sandor P. Schuman  
1977 18 pp.

Obtain from: New York Sea Grant Institute—see address list.

*Our Great Lakes Connection: A Curriculum Guide for Grades Kindergarten through Eight*  
See IIA. Our Great Lakes Heritage.

*Rope*

By: H. David Greene  
1980 2 pp.

This fact sheet is part of a set of aquatic activities for youth.

Obtain from: New York Sea Grant Institute—see address list.

*Souvenirs of Lake Michigan: An Interdisciplinary Teachers Workshop at the Illinois Beach Park*  
See IIA. Our Great Lakes Heritage.

*Up North*

By: Sam Cook  
\$14.95 (Add \$1.25 per book for shipping/6% tax for Ohio residents.)

A collection of essays and stories of the North Country.

Obtain from: The Great Lakes Bookseller, 108 W. Perry St., Port Clinton, OH 43452.

*Water As Metaphor*

By: Robert E. Najem

1982 6 pp. Available as loan copy.

Obtain from: National Sea Grant Depository—see address list.

## IID. Disasters of the Great Lakes

*Computer Animation of Storm Surge Predictions*

By: Charles M. Libicki, et al.

1985 RS-053 Journal Reprint

16 pp. Free

Shows how the computer can be used to more reliably and quickly predict storm surges which are nature's greatest causes of erosion.

Obtain from: Ohio Sea Grant College Program—see address list.

*Death's Door*

By: Conan B. Eaton

34 pp. \$3.75 (Add \$1.25 per book for shipping/6% sales tax for Ohio residents.)

History of the notorious strait between Green Bay and Lake Michigan.

Obtain from: The Great Lakes Bookseller, 108 W. Perry St., Port Clinton, OH 43452.

*Fire and Ice*

By: Robert Wells, et al.

450 pp. \$13.95

A two volume set including *Fire at Peshigo*, the story of the 1871 fire that killed more people and did more damage than the Chicago fire, and *Shipwreck on Lake Michigan*.

Obtain from: The Great Lakes Bookseller, 108 W. Perry St., Port Clinton, OH 43452.

*Great Lakes Maritime History*

See IIA. Our Great Lakes Heritage.

*Great Lakes Storm Surge Flood Forecasting Methods*

By: Keith W. Bedford, et al.

1980 RS-015 Proceedings—Urban Stormwater Management in Coastal Areas 10 pp.

Obtain from: Ohio Sea Grant College Program—see address list.

*Great Lakes Storm Surge Planning Program (SSPP)*

By: National Oceanic and Atmospheric Administration

1987 9 pp.

Obtain from: Water Resources Center Library, University of Illinois, 2535 Hydrosystems Lab, 205 N. Mathews, Urbana, IL 61801.

*Great Lakes Triangle, The*

By: Rosanne Fortner

1982 EP-107

Teacher and youth guides \$3.00

Teachers guide to three classroom activities leading to a consideration of fact and fiction about the disappearance of planes and ships in the Great Lakes area.

Obtain from: Ohio Sea Grant College Program—see address list.

*Great Stories of the Great Lakes: Thrilling Tales of Tragedy, Humor, and Heroism on the World's Greatest Freshwater Seas*

See IIA. Our Great Lakes Heritage.

*Historic Trends and Occasional Catastrophes*

By: Larry R. McCormick, et al.

1984 13 pp.

Obtain from: New York Sea Grant Institute—see address list.

*Lake Erie Response to the January 26, 1978 Cyclone, The*

By: J. Steven Dingman

1984 RS-017 In Journal of Geophysical Research, 89 (C4): 6427-6445, July 20

Obtain from: Ohio Sea Grant College Program—see address list.

*Memories of the Lakes: Told in Story and Picture*

See IIA. Our Great Lakes Heritage.

*North Shore Weather Wisdom*

By: Bruce Munson and Leonard Peterson

1988 SAN #11 8 pp. Free

Obtain from: Minnesota Sea Grant Program—see address list.

*Oil Spills: A Coastal Resident's Handbook*

By: John T. Omohundro

Obtain from: New York Sea Grant Institute—see address list.

*Our Great Lakes Connection: A Curriculum Guide for Grades Kindergarten Through Eight*

See IIA. Our Great Lakes Heritage.

*Record St. Clair River Ice Jam of 1984*

By: J.A. Derecki, et al.

1986 In Journal of Hydraulic Engineering, Vol 112, No. 12, pp. 1182-1194

Obtain from: Great Lakes Environmental Research Laboratory, 2205 Commonwealth Blvd., Ann Arbor, MI 48105-1593.

*Secret Mission*

See ID. Water Sports and Safety



*Ships and Men of the Great Lakes*

By: Dwight Boyer  
1977 208 pp.

Accounts of various sinkings and mishaps on the Great Lakes.

Obtain from: Dodd, Mead Publishers, 71 5th Ave., New York, NY 10003, or local library.

*Shipwrecks of the Lakes*

By: D.T. Bowen  
1952

Vivid descriptions of events surrounding Great Lakes shipwrecks.

Obtain from: Freshwater Press, 1701 E. 12th St., Suite 5K7, Cleveland, OH 44114-3201.

*Storm Surges*

By: J. Keir, et al.  
1987 EP-025 Teacher guide (12 pp.) and student workbook (9 pp.) \$3.00

Students study the action of storms over Lake Erie from charts and learn the causes and effects of storm surges and seiches.

Obtain from: Ohio Sea Grant College Program—see address list.

*True Tales of the Great Lakes*

By: Dwight Boyer  
1971 324 pp. \$9.95

Storms, shipwrecks, people and happenings around the Great Lakes. One third of the book describes in detail the S. S. Eastland and the storm of November 1913.

Obtain from: Dodd, Mead Publishers, 71 5th Ave., New York, NY, 10003, or local library or bookstore.

*Wind-driven Ice-push Event in Eastern Lake Ontario, A*

By: Robert Gilbert, et al.  
1986 6 pp. In Journal of Great Lakes Research, Vol. 12, No. 4, pp. 326-331.

Obtain from: International Association of Great Lakes Research, University of Michigan, 2200 Bonisteel Blvd., Ann Arbor, MI 48109.

*Wreck Diver*

See ID. Other Water Sports and Safety.

*Wrecks and Rescues of the Great Lakes: a Photographic History*

1981 117pp.

Obtain from: Howell North Books, Division of Howell North-Darwin-Superior, 850 N. Hollywood Way, Burbank, CA 91505, or local library.

### III.A. Great Lakes Urban and Natural Ecology

*Acid Rain Stimulation of Lake Michigan Phytoplankton Growth*

By: B.A. Manny, et al.  
1987 In the Journal of Great Lakes Research, Vol.13 No.2, pp. 218-223

Obtain from: International Association of Great Lakes Research, University of Michigan, 2200 Bonisteel Blvd., Ann Arbor, MI 48109.

*Air Matters*

By: Andy Morton  
Ongoing Newsletter

Air pollution topics of general interest in Wisconsin.

Obtain from: Wisconsin Department of Natural Resources; (608)266-2060.

*Annual Water Quality Report, 1986-1987*

By: The Northeastern Illinois Planning Commission  
1987 15 pp. Free

Besides highlights of NIPC's 1987 accomplishments and 1988 plans, the report explains the 1987 amendments to the Federal Clean Water Act and how local governments should respond.

Obtain from: The Northeastern Illinois Planning Commission, 400 W. Madison St., Chicago, IL 60606.

*Artificial Seaweed for Shoreline Erosion Control?*

By: Spencer Rogers, Jr.  
1986 18 pp.

Obtain from: University of North Carolina Sea Grant College Program—see address list.

*Attitudes of Decision Makers in the Great Lakes States Regarding Large-scale Diversions*

By: Helen A. Brohl  
1986 TD-015 83 pp. \$9.29

This report showed that in 1984, 62% of survey respondents felt that water diversion from the Great Lakes should not be allowed.

Obtain from: Ohio Sea Grant College Program—see address list.

*Basic Water Environmental Series*

1979

Member's Manual 4-H1044 \$0.70

Leader/Teacher Guide 4-H1045 \$0.70

Leader/teacher and member/student guide booklets with numerous teaching activities. Basic introductory material.

Obtain from: Cooperative Extension Service, MSU Bulletin Office, 10-B Agriculture Hall, Michigan State University, East Lansing, MI 48824-1039.

*Beaches are Shore Protection*

By: Frank Lichtkoppler

1986 FS-020 Free

Briefly discusses the nature of beaches and how they can help prevent coastline erosion.

Obtain from: Ohio Sea Grant College Program—see address list.

*Benthic Community and Sediment Quality*

*Assessment of Port Hope Harbour, Lake Ontario*

By: D.R. Hart, et al.

1986 In Journal of Great Lakes Research, Vol. 12, No. 3, pp. 206-220

Obtain from: International Association of Great Lakes Research, University of Michigan, 2200 Bonisteel Blvd., Ann Arbor, MI 48109.

*Biogeochemistry of Polychlorinated Biphenyls in the Acushnet River Estuary, Massachusetts*

By: John W. Farrington, et al.

1986 24 pp.

This paper helps one to better understand how PCBs and related organic toxics distribute and concentrate in fish and how they affect public health standards.

Obtain from: Woods Hole Oceanographic Institute Sea Grant—see address list.

*Biological Removal of Mercury from Toxic Waste*

By: Jeffrey Williams, et al.

1985 RS-058 8 pp. Free

The paper shows evidence that a certain strain of bacteria can remove most mercury from a typical sewage and industrial waste sample.

Obtain from: Ohio Sea Grant College Program—see address list.

*Bluff Slumping and Stability: A Consumer's Guide*

By: Suzanne Tainter

1982 MICHU-SG-82-902 65 pp.

\$2.00

Natural forces (erosion) and human activities which contribute to bluff instability are defined and possible control measures are discussed.

Obtain from: Michigan Sea Grant College Program—see address list.

*Calculating Stream Flow*

By: David H. Greene

1980 2 pp.

Part of a fact sheet set of aquatic activities for youth.

Obtain from: New York Sea Grant Institute—see address list.

*Chemical Limnology of Nonpolar Organic Contaminants: Polychlorinated Biphenyls in Lake Superior, The*

By: S.J. Eisenreich

1987 81 pp.

This describes the characteristics of PCBs and how it has spread in the lake.

Obtain from: Minnesota Sea Grant Program—see address list.

*Civic Solution—Lake Forest Shoreline Restoration*

By: John F. Fischbach, et al.

1987 15 pp.

Also in the Proceedings of Coastal Zone '87, the fifth Symposium on coastal and ocean management, May 26-29, 1987 Vol. 4, pp. 4406-20

Obtain from: City Manager, City of Lake Forest, 220 E. Deerpath, Lake Forest, IL 60045.

*Clear Water and Clean Water: Current Programs and Future Strategies for Managing Great Lakes Water Quality*

By: The Center for the Great Lakes

1986 \$12.00

A summary of a larger two volume set on U.S. and Canada Great Lakes water quality laws and programs, plus the proceedings of the 1986 Summit on the subject.

Obtain from: The Center for the Great Lakes, 435 N. Michigan Ave, #1408, Chicago, IL 60611, Attn: Publications; (312)645-0901.

*Climatic Changes, Population Growth, and Their Effects on Great Lakes Water Supplies*

By: Stewart Cohen

1986 In Professional Geographer, Vol. 38, No. 4, pp. 317-323

Obtain from: Professional Geographer, Association of American Geographers, 1710 16th St., NW, Washington, DC 20009.

*Coastal Design with Natural Processes Along the Ocean and Great Lakes Coastlines of the U.S.—An Introduction*

By: Stephen Lopez

1985 32 pp.

This booklet concentrates on describing how erosion protective vegetation plans can control erosion of both beaches and bluffs.

Obtain from: New York Sea Grant Institute—see address list.



*Coastal Processes and Erosion*

By: B.A. Kennedy, et al.

1988 EP-007 Teacher guide (17 pp.) and student workbook (12 pp.) \$3.00

Explains shore protection devices and how they work.

Obtain from: Ohio Sea Grant College Program—see address list.

*Coastal Processes Workbook: Evaluating the Risks of Flooding and Erosion for Great Lakes Coastal Property*

By: Philip Keillor et al.

1987 38 pp. \$1.00

This booklet features step-by-step summaries of how to determine the risk of flooding, how to estimate minimum construction set-backs, and ways to evaluate shore protection structures.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Coastal Protection Structures and Their Effectiveness*

By: Kim Fulton-Bennett, et al.

Obtain from: California State Department of Boating and Waterways, 1629 S. Street, Sacramento, CA 95814, or University of California—Santa Cruz.

*Coastal Zone Management Information Exchange*  
See IIA. Our Great Lakes Heritage.

*Coastlines*

See IA. Boating.

*Contaminant Management Strategies for the Great Lakes: Optimal Solutions under Uncertain Conditions*

By: Thomas D. Fountaine, et al.

1987 In the Journal of Great Lakes Research, Vol. 13, No. 2, pp. 178-192

Obtain from: International Association of Great Lakes Research, The Argus II Building, 400 S. Fourth St., Ann Arbor, MI 481.

*Contaminant Trends in Lake Trout from the Upper Great Lakes*

See IB. Sportfishing.

*Contaminants and Trends in Fall Run Coho Salmon*

See IB. Sportfishing.

*Contaminants in Fish from Great Lakes Harbors and Tributary Mouths*

See IB. Sportfishing.

*Controlling Bluff Groundwater along the Great Lakes—Coastal Erosion and Protection*

By: Bruce De Young, et al.

1979 6 pp.

Obtain from: New York Sea Grant Institute—see address list.

*Cross-Border Litigation, Environmental Rights in the Great Lakes Ecosystem*

By: Paul R. Muldoon

1987

This book is the first in a series of examinations of the problem of ecosystem environmental protection in the face of political and administrative adversity

Obtain from: Carswell Legal Publications, 2330 Midland Ave., Agencourt, ON, M1S1P7; (416)291-8421.

*Currents and Temperatures in Green Bay, Lake Michigan*

By: G.S. Miller, et al.

1985 In Journal of Great Lakes Research, Vol. 11, No. 2, pp. 97-109

Obtain from: Great Lakes Environmental Research Laboratory, 2205 Commonwealth Blvd., Ann Arbor, MI 48105-1593.

*Defusing Toxic Threat: Controlling Pesticides and Industrial Waste*

By: Sandra Postel

1987 Worldwatch Paper #79 69 pp. \$4.00 (\$1.00 each for 21 or more copies.)

Obtain from: Worldwatch Institute, 1776 Massachusetts Ave. NW, Washington, DC 20036.

*Disposition of Airborne Metals into the Great Lakes: An Evaluation of Past and Present Estimates*

By: Jill Schmidt, et al.

1984 Journal Reprint 22 pp.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Development of Regional Dredged Material Disposal Plans Designating Sites that are Environmentally and Economically Compatible*

By: J. Wrenn, et al.

1977 In DELU-W-77-001, pp. 12-13

Obtain from: Delaware Sea Grant College Program—see address list.

*Dioxin: A Cause For Concern?*

See IB. Sportfishing.



*Dioxin in Great Lakes Fish*

By: J. DeVault, et al.

1987 15 pp.

Limited number of carp and trout fillet samples were analyzed around the Great Lakes for the "National Dioxin Study." This analysis shows the most potentially harmful areas to be examined. Obtain from: U.S. EPA Great Lakes Program Office, 536 Clark St., Chicago, IL 60605; (312)353-1325.

*Directory of Great Lakes Educational Material*  
See II.A. Our Great Lakes Heritage.

*Diver Assessment of the Inshore Southeastern Lake Michigan Environment Near the DC Cook Nuclear Plant, 1973-82*

By: John A. Dorr III, et al.

1986 Special Report No. 120 160 pp.

Obtain from: Center for Great Lakes and Aquatic Sciences (Great Lakes Research Division) 2200 Bonisteel Blvd., Ann Arbor, MI 48109.

*Diversion of Great Lakes Water. Part 1 Hydrologic Impacts; Part 2. Economic Impacts*  
See II.A. Our Great Lakes Heritage.

*Do You Really Understand the Fish Consumption Advisory?*

By: Chris Pennisi

1987 Article in The Helm newsletter, Fall/Winter 1987-88 2 pp. Free

Explains how the Lake Michigan Sportfish Consumption Advisor was developed, and what is meant by terms such as "risk" or "FDA Standard." Obtain from: Illinois-Indiana Sea Grant Program—see address list.

*Draft Environmental Impact Statement for a Proposed Diversion of Lake Michigan Water at Chicago*

See II.A. Our Great Lakes Heritage.

*Dynamics of Lake Michigan Phytoplankton: Primary Production and Growth*

By: Gary L. Fahenstiel, et al.

1987 Journal Reprint Canadian Journal of Fisheries and Aquatic Sciences, Vol. 44, No. 3, pp. 499-508

Obtain from: Canadian Journal of Fisheries and Aquatic Sciences, Scientific Information and Publications Branch, 200 Kent St., Ottawa Ont. K1A 0E6 CANADA

*Dynamics of Lake Michigan Phytoplankton: Recent Changes in Surface and Deep Communities*

By: Gary L. Fahenstiel, et al.

1987 Journal Reprint Canadian Journal of Fisheries and Aquatic Sciences, Vol. 44, No. 3, pp. 509-524

Obtain from: Canadian Journal of Fisheries and Aquatic Sciences, Scientific Information and Publications Branch, 200 Kent St., Ottawa Ont. K1A 0E6 CANADA

*Earthwatching III*

By: University of Wisconsin Sea Grant Institute and University of Wisconsin Institute for Environmental Studies

1989 144pp. \$5.00

Series of short informational items on the full range of ecological issues and events with an emphasis on the Great Lakes. Easily understood by youngsters.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Ecological Effect of Rubble-mound Breakwater Construction and Channel Dredging at West Harbor, Ohio (western Lake Erie)*

By: B.A. Manny, et al.

1985 Technical Report, EL-85-10 110 pp

Obtain from: Environmental Laboratory, U.S. Army Engineer Waterways Experiment Station, PO Box 631, Vicksburg, MS 39180-0631.

*Effect of Influent Phosphorus Reductions on Great Lakes Sewage Treatment Costs*

By: W.C. Senzogni, et al.

1986 In Water Resources Bulletin Vol. 22, No. 4, pp. 623-627

Obtain from: Water Resources Bulletin, American Water Resources Assoc., 5410 Grosvenor Lane, Suite 220, Bethesda, MD 20814.

*Effect of Lake Erie on Climate, The*

By: J. D. Meinke, et al.

1979 EP-002 Teacher guide (9 pp.) and student workbook (9 pp.) \$3.00

Discusses effect of temperature on movement of air, land, and sea breezes and how they influence climate and economy near large bodies of water. Obtain from: Ohio Sea Grant College Program—see address list.

*Effect of Lake Erie on Ohio's Temperature, The*

By: James Meinke, et al.

1985 EP-001 Teacher guide and student workbook (9 pp.) \$3.00

Differences in soil and water heat absorption and release show how lakes and oceans moderate land temperatures.

Obtain from: Ohio Sea Grant College Program—see address list.

ERIC  
Full Text Provided by ERIC

*Effect of Storms on Pollution Loading Estimates, The*

By: Keith W. Bedford, et al.  
1986 RS-059 9pp. Free

This studies a two-dimensional simulation designed to synthesize the loads at Lake Eric's edge.

Obtain from: Ohio Sea Grant College Program—see address list.

*Effect of Structures and Lake Level on Bluff and Shore Erosion in Berrien County, MI, 1970-74, The*

By: William A. Birkemier  
1980 76 pp.

Obtain from: U.S. Army Corps of Engineers.

*Effects of Benthic Macroinvertebrates on the Exchange of Solutes Between Sediments and Freshwater*

By: Gerald Matloff, et al.  
1985 RS-056 15 pp. Free

This study shows three specific examples of the impact of bottom invertebrates repolluting the water.

Obtain from: Ohio Sea Grant College Program—see address list.

*Effects of Coal Fly-ash Disposal on Water Quality in and around the Indiana Dunes National Lakeshore, Indiana*

By: Mark A. Hardy  
1981 64 pp.

Obtain from: U.S. Geological Survey, 12201 Sunrise Valley Dr., Reston, VA 22092.

*Environmental Assessment*

By: Linda S. Reynolds  
1985 39 pp.

This report explains how environmental law has developed. It also suggests how it can continue to be effective in fostering wise use of the environment.

Obtain from: New York Sea Grant Institute—see address list.

*Environmental Impact Statement for Proposed Diversion of Lake Michigan Water at Chicago*

By: U.S. Army Corps of Engineers  
1988

The proposed project would divert Lake Michigan water into the Illinois waterway when either the lake is above its average, there is no downstream flooding, and there is no effect on irrigation in the Great Lakes.

Obtain from: U.S. Army Corps of Engineers, Environmental Branch, Chicago District, 219 S Dearborn St., Chicago, IL 60604

*Environmental Impacts of the Aquatic Disposal of Dredged Material: Fact and Fancy*

By: Robert Costanza, et al.  
1985 TAMU-W-76-0-003, pp. 220-235

Obtain from: Louisiana Sea Grant College Program—see address list.

*Environmental Management Practices to Reduce Industrial Non-Point Pollution: A Summary of Best Management Practices*

By: West Michigan Environmental Action Council  
1987 29 pp. \$0.75

One of a series of six booklets on controlling non-point pollution.

Obtain from: West Michigan Environmental Action Council, 1432 Wealthy S.E., Grand Rapids, MI 49507; (606)451-3051.

*Environmental Progress*

Bimonthly 9 pp.

Obtain from: Illinois Environmental Protection Agency, 2200 Churchill Rd., PO Box 19276, Springfield, IL 62794-9276; (217)782-3397.

*Environmental Protection Act*

Revised annually 40 pp.

Obtain from: Illinois EPA, 220 Churchill Rd., PO Box 19276, Springfield, IL, 62794-9276; (217)782-3397.

*Enzymatic Removal of Hazardous Pollutants from Industrial Aqueous Effluents*

By: Alexander M. Klibanov  
1983 18 pp.

Obtain from: Massachusetts Institute of Technology Sea Grant College Program—see address list.

*Erosion along the Great Lakes*

By: B. A. Kennedy, et al.  
1985 EP-006 Teacher guide (12 pp) and student workbook (9 pp.) \$3.00

Uses maps and aerial photos to determine recession rates along shorelines.

Obtain from: Ohio Sea Grant College Program—see address list.

*Erosion and Sedimentation Along a Cohesive Shoreline—The North-central Shore of Lake Erie*

By: N.A. Rukavina, et al.  
1987 In Journal of Great Lakes Research, Vol.13 No.2, pp. 202-217

Obtain from: International Association of Great Lakes Research, University of Michigan, 2200 Bonisteel Blvd., Ann Arbor, MI 48109.



*Evidence for the Lake Chippewa Extreme Low-water Stage in Lake Michigan*

By: Roger Bader, et al.  
1987 In *Journal of Great Lakes Research*,  
Vol.13 No.2 5 pp.

Obtain from: International Association of Great Lakes Research, University of Michigan, 2200 Bonisteel Blvd., Ann Arbor, MI 48109.

*Evolution of Water Resource Management: A Laurentian Great Lakes Case Study*  
See IIA. Our Great Lakes Heritage

*Executive Summary - Shoreline Situation, Indiana Dunes National Lakeshore*

By: Great Lakes Coastal Research Laboratory  
1986 38 pp. Free

This report summarizes the research conducted by the Purdue University team on the erosion situation along three reaches of this Lake Michigan National Lakeshore.

Obtain from: Indiana Dunes National Lakeshore, 1100 N. Mineral Springs Rd., Porter, IN 46304; (606)451-3651.

*Facing the Lake: The Coastwatchers of Racine County, Wisconsin*

By: J. Phillip Keillor, et al.  
1984 *Journal Reprint* 19 pp.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Fall Beachcombing*

By: Suzanne Tainter  
1978 6 pp. MICHU-ST-78-305

Describes natural treasures that can be found on Great Lake Beaches.

Obtain from: Michigan Sea Grant College Program—see address list.

*Field and Laboratory Studies of the Toxicity to Phytoplankton of Polychlorinated Biphenyls*

By: C. Donald Powers, et al.  
1982 8 pp.

Obtain from: New York Sea Grant Institute—see address list.

*Finding Economical Solutions for Dredged Material Disposal*

By: Carol Cutshall, et al.  
1987 In *Proceedings of Coastal Zone '87, the Fifth Symposium on Coastal and Ocean Management*, May 26-29, 1987, Vol. 4, pp. 4232-45

Obtain from: Wisconsin Department of Administration, 101 S. Webster, PO Box 7864, Madison, WI, 53707.

*First Annual Review of the Great Lakes Toxic Substance Control Agreement*

By: Council of Great Lakes Governors  
1987

Reports the progress that state governments have made in implementing the six principles of the Council of Great Lakes Governors' Toxic Substance Control Agreement of 1986.

Obtain from: Local libraries or Governor's office

*Fish Preparation and Consumption Guide*

See IB. Sportfishing.

*Five Year Program Strategy for Great Lakes National Program Office of the US Environmental Protection Agency; 1986-1990*

1985 49 pp.

Obtain from: Great Lakes National Program Office, US EPA, 536 S. Clark St., Chicago, IL 60605; (312)353-2117.

*Formation of Toxaphene-like Contaminants during Simulated Paper Pulp Bleaching*

By: Richard Larsen, et al.  
1986 23 pp.

Toxaphene is a contaminant found in the Great Lakes. This research begins to explain possible sources of toxaphene.

Obtain from: Water Resources Center, University of Illinois, 2535 Hydrosystems Lab, 205 N. Mathews, Urbana, IL 61801.

*Geography of the Great Lakes*

By: J. L. Timmons, et al.  
1980 EP-014 Teacher guide (7 pp.) and student workbook (17 pp.) \$3.00

Obtain from: Ohio Sea Grant College Program—see address list.

*Geomorphology and Stability of Southwestern Lake Superior Coastal Slopes*

By: M.N. Schultz, et al.  
1984 5 pp.

Provides classifications and geotechnical descriptions of glacial till slopes along the southwestern shore of Lake Superior.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Getting Coastal Permits: Regulatory Programs on New York's Great Lakes Coast*

By: Charles R. O'Neill, Jr.  
1985 19 pp. \$0.50

This booklet explains the entire process of getting an erosion protection structure approved in New York state.

Obtain from: New York Sea Grant Institute—see address list



*Governor's Conference on Lake Michigan—  
Illinois' Great Lake: Protecting and Developing a  
Valuable Natural Resource, A*  
See IIA. Our Great Lakes Heritage.

*Great Lakes, The*

By: John Heritage, editor  
1985 32 pp.

Obtain from: US Environmental Protection  
Agency, Great Lakes Program Office  
536 S. Clark St., Chicago, IL 60605; (312)353-  
2117.

*Great Lakes—An Environmental Atlas and  
Resource Book, The*

See IIA. Our Great Lakes Heritage.

*Great Lakes Facts Brochures*

See IIA. Our Great Lakes Heritage.

*Great Lakes Region in Children's Books, The*

By: Donna Taylor, editor  
1980

A selected annotated listing of curriculum-oriented  
books about Illinois, Indiana, Michigan, Minne-  
sota, Ohio, Ontario, and Wisconsin, as well as their  
bordering lakes.

Obtain from: Local library or Green Oaks Press  
Publishers, 9339 Spicer Road, Brighton, MI 48116.

*Great Lakes Legal Seminar: Diversion and  
Consumption Use*

By: The Center for the Great Lakes  
1986 \$10.00 (10 or more copies, \$8 each)

A collection of papers presented at a 1985 seminar  
attended by leading U.S. and Canadian water law  
experts.

Obtain from: The Center for the Great Lakes,  
435 N. Michigan Ave. #1408 Chicago, IL 60611,  
Attn: Publications; (312)645-0901.

*Great Lakes Regional Fallout Source Functions,  
NOAA Technical Memorandum EPL GLERL-56*

By: J.A. Robbins  
1985 22 pp.

Obtain from: Great Lakes Environmental Research  
Laboratory, 2205 Commonwealth Blvd., Ann  
Arbor, MI 48105-1593.

*Great Lakes Reporter, The*

See IIA. Our Great Lakes Heritage.

*Great Lakes Shore Erosion and Flooding Assis-  
tance Programs*

By: Great Lakes Commission  
1987 13 pp. \$1.25

Obtain from: Great Lakes Commission, The Argus  
II Building, 400 S. Fourth St., Ann Arbor, MI  
48103.

*Great Lakes Speakers Bureau Directory*

By: Great Lakes Commission  
1989 80 pp. \$5.00

Lists nearly 400 experts interested and available to  
make presentations on a variety of Great Lakes  
subjects—water quality, fisheries, geology, waste  
management, recreation, shipping, and others.

Obtain from: Great Lakes Commission, The Argus  
II Building, 400 S. Fourth St., Ann Arbor, MI  
48103.

*Great Lakes Toxic Hotspots. A Citizen's Action  
Guide*

By: David Fogarty  
1985 49 pp.

Obtain from: The Lake Michigan Federation,  
59 E. Van Buren, #2215, Chicago, IL 60603;  
(312)939-0838.

*Great Lakes' Troubled Waters, The*

By: Charles E. Cobb, Jr.  
1987 36 pp.

Obtain from: Local libraries.

*Great Lakes United, The*

*Quarterly*

Obtain from: Great Lakes United, State University  
College at Buffalo, Cassey Hall, 1300 Elmwood  
Ave., Buffalo, NY 14222; (716)886-0142.

*Great Lakes Water Levels*

1986 Free

Booklet with maps, graphs, and drawings regarding  
level cycles, controls and forecasting techniques.

Obtain from: The Information Unit, Canada  
Center for Inland Waters, PO Box 5050, Burling-  
ton, Ontario L7R 4A6, CANADA.

*Great Lakes Water Quality Agreement. An  
Evolving Instrument for Ecosystem Management*

By: Robert E. Stein, et al.  
1986 Environment, Vol. 28., No. 6, pp 25-27

Obtain from: Environment, Heldref Publications,  
4000 Albemarle St., NW, Washington, DC 20016.

*Great Lakes Water Quality Agreement of 1978  
(as Amended in 1987)*

By: Lee Thomas, et al.  
1987 Free

The amendments strengthen each signing party's  
accountability and contain ten new sections  
ranging from ranking of cultural pollutants to  
providing a stronger citizen role.

Obtain from: International Joint Commission,  
Regional Office, PO Box 32869, Detroit, MI  
48232.

*Great Lakes Water Quality Improvement*  
By: J. J. DePinto, et al.  
1986 Environmental Science and Technology,  
Vol. 20, No. 8., pp. 752-759  
Obtain from: Environment Science and Technology,  
American Chemical Society, 1155 16th St.,  
NW., Washington, DC 20036.

*Ground-water Data for Michigan, 1985*  
By: U.S. Department of Interior, Geological  
Survey  
1986 50 pp. Open-File Report; 86-417  
Obtain from: U.S. Geological Survey, District  
Chief, 6520 Merchantile Way, Suite 5, Lansing,  
MI 48910.

*Guide to Coastal Erosion Processes, A*  
By: Charles O'Neil, Jr.  
1985 14 pp.  
This bulletin gives a better understanding of  
natural coastal processes that cause shoreline  
erosion.  
Obtain from: New York Sea Grant Institute—see  
address list.

*Guidelines for the Effective Use of Floating Tire  
Breakwaters*  
By: C.T. Bishop, et al.  
1983 19 pp.  
Obtain from: New York Sea Grant Institute—see  
address list.

*HELM—Happenings and Educational Activities  
Around Lake Michigan, The*  
See IA. Boating.

*Help Yourself*  
1978 Free  
A discussion of Great Lakes erosion problems  
and various engineering methods of shoreline  
protection.  
Obtain from: U.S. Army Corps of Engineers,  
North Central Division, 536 S. Clark St., Chicago,  
IL 60605.

*Homeowner's Guide to Reducing Water Pollution*  
By: West Michigan Environmental Action Council  
1987 27 pp. \$0.40 (complete set \$1.00)  
One of a series of six booklets on controlling non-  
point pollution.  
Obtain from: West Michigan Environmental  
Action Council, 1432 Wealthy S.E., Grand Rapids,  
MI 49507; (606)451-3051.

*How to Use Fill Material in Stabilizing Shoreline  
Bluffs or Banks*  
1986 Pennants fact sheet series 2 pp.  
Obtain from: University of Wisconsin Sea Grant  
Institute—see address list.

*Human Health and Lake Michigan Fish*  
See IB. Sportfishing.

*IAGLR-87, Program and Abstract of 30th  
Conference*  
By: International Association of Great Lakes  
Research  
1987 64 pp.  
This booklet provides an overview of the latest  
Great Lakes research topics and lists sources to  
contact for additional information.  
Obtain from: International Association of Great  
Lakes Research, 2200 Bonisteel, University of  
Michigan, Ann Arbor, MI 48109.

*Illinois Water Quality Report*  
By: Division of Water Pollution Control,  
Planning Section  
1988 Free  
This report addresses the water quality assessment  
efforts of the State of Illinois for fiscal years 1986  
and 1987.  
Obtain from: Illinois Environmental Protection  
Agency, 2200 Churchill Rd., PO Box 19276,  
Springfield, IL 62794-9276.

*Illinois Water Resource Directory*  
By: Water Resources Center, University of Illinois  
1986 55 pp.  
Obtain from: Water Resources Center, University  
of Illinois, 2535 Hydrosystems Lab, 205 N.  
Mathews, Urbana, IL 61801.

*Impacts of CO<sub>2</sub>-induced Climatic Changes on  
Water Resources in the Great Lakes Basin*  
By: Stewart J. Cohen  
1986 In Water Resources Bulletin, Vol. 8,  
pp. 135-153  
Obtain from: American Water Resources  
Association, 5410 Grosvenor Lane, Suite 220,  
Bethesda, MD 20814.

*Implications of Interbasin Diversions, Consump-  
tive Use, and the Greenhouse Effect on Future  
Great Lakes Water Management*  
See IIA. Our Great Lakes Heritage.

*Improving the Performance of Wooden Waterfront  
Structures and Boats*  
See IA. Boating.

*Incidence of Deformities in *Chironomus Spp* from  
Port Hope Harbour, Lake Ontario, The*  
By: W.F. Warwick, et al.  
1987 In Journal of Great Lakes Research,  
Vol. 13, No. 1, 5 pp.  
Obtain from: International Association of Great  
Lakes Research, University of Michigan, 2200  
Bonisteel Blvd., Ann Arbor, MI 48109



*Indiana Environment, The*

Bimonthly newsletter

Obtain from: The Indiana Department of Environmental Management, Office of External Affairs, 105 S. Meridian St., PO Box 6015, Indianapolis, IN 46206; (317)232-8560.

*Indiana Shoreline Erosion, Vols. II and III*

1982 150 pp.

Obtain from: US Army Corps of Engineers, Chicago District, 219 S. Dearborn, Chicago, IL 60604.

*Indiana Waste Exchange*

By: Environmental Quality Control, Inc.  
Ongoing

This catalog lists waste materials which have beneficial and commercial value.

Obtain from: Indiana Department of Environmental Management, Office of Tech. Assistant, 105 S. Meridian, PO Box 6015, Indianapolis, IN 46206; (317)232-8172.

*International Joint Commission Annual Report*

This organization advises the US and Canadian governments on international Great Lakes issues.

Obtain from: International Joint Commission Great Lakes Regional Office Information Services, PO Box 32869, Detroit, MI 48232.

*Introduction to Michigan's Water Resources*

By: Institute of Water Research  
1987 64 pp. \$ 4.95

Contains 16 color maps and 35 graphs, photos and illustrations that help the reader to understand Michigan's water resources and their need to be carefully managed.

Obtain from: Michigan State University, 334 Natural Resources Bldg., East Lansing, MI 48824; (517)353-3742.

*Key Actions to Restore Beneficial Uses of the Lower Green Bay Area of Concern: A Summary Report*

By: H.J. Harris  
1987 31 pp. Free

This report outlines priorities for rehabilitating Green Bay.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Lacustrine Lessons*

See IIA. Our Great Lakes Heritage.

*Lake Erie and Changing Lake Levels*

By: Carolyn Farnsworth, et al.  
1985 EP-005 9 pp. \$3.00

Set of activities included in this teacher and youth guide.

Obtain from: Ohio Sea Grant College Program—see address list.

*Lake Erie Facts*

See IIA. Our Great Lakes Heritage.

*Lake Erie Shore Erosion*

By: Frank Lichtkoppler  
1986 Free

Discusses the two main shore erosion processes: wave erosion and mass wasting.

Obtain from: Ohio Sea Grant College Program—see address list.

*Lake Huron 1980 Intensive Survey, Summary Report. Report to the Surveillance Work Group*

See IIA. Our Great Lakes Heritage.

*Lake Level Effects as Measured from Aerial Photos*

By: John G. Lyon, et al.  
1984 RS-030 Journal Reprint 9 pp.

Obtain from: Ohio Sea Grant College Program—see address list.

*Lake Michigan Monitor*

See IIA. Our Great Lakes Heritage.

*Lake Superior Game, The*

By: Barbara Liukkoner  
1989 12 pp. Free

Obtain from: Minnesota Sea Grant Program—see address list.

*Lake Superior Water Quality Issues: Recommendations for Action*

By: Great Lakes United  
1987 Report

Represents a citizen's agenda for water quality programs developed at the Lake Superior regional meeting.

Obtain from: Great Lakes United, State University College at Buffalo, Cassety Hall, 1300 Elmwood Ave., Buffalo, NY 14222; (716)886-0142

*Lake Superior Water Supply Forecasting*

By: T.E. Croley II, et al.  
1987 Preprint volume for the Sixth Conference on Hydrometeorology, Indianapolis, Indiana, October 29-November 1, 1985

Obtain from: Great Lakes Environmental Research Laboratory, 2205 Commonwealth Blvd., Ann Arbor, MI 48105-1593.

*Lake, Great Lakes: An Environmental History, The*  
By: Ashworth William  
1987 274 pp. \$12.95  
Obtain from: Wayne State University Press, 5959  
Woodward Ave., Detroit, MI 48202.

*Law and the Lakes: Toward a Legal Framework  
for Safeguarding the Great Lakes Water  
Supply, The*  
See IIA. Our Great Lakes Heritage.

*League of Women Voters Lake Michigan Inter-  
League Group Newsletter*  
By: Shirley Batchelder, editor  
Quarterly newsletter  
Obtain from: Mary Woodland, Co-Chairman of  
the Inter-League Group, 18345 Perth Ave.,  
Homewood, IL 60430; (312)798-8280.

*Littoral Drift*  
See IA. Boating.

*Looking Back at Love Canal*  
By: John Deegan, Jr.  
1987 In Environmental Science and Technology,  
Part 1, Vol. 21, No. 4, pp. 328-331 and Part 2, Vol.  
21, No. 5, pp. 421-426  
Obtain from: Environmental Science and  
Technology, American Chemical Society, 1155  
16th St., NW, Washington, DC 20036.

*Low Cost Shore Protection*  
1981 Free  
Good introduction to shoreline protection.  
Includes graphics and is written in easy to  
understand terms.  
Obtain from: U.S. Army Corps of Engineers,  
North Central Division, 536 S. Clark St., Chicago,  
IL 60605.

*Maintaining Coastal Erosion Control Structures*  
By: Charles R. O'Neill Jr., et al.  
1984 5 pp.  
Obtain from: New York Sea Grant Institute—see  
address list.

*Managing Coastal Erosion through Community  
Action*  
By: Jay Tanski, et al.  
1986 8 pp.  
This bulletin contains information useful to coastal  
property owners, local government officials, and  
regulatory agencies.  
Obtain from: New York Sea Grant Institute—see  
address list.

*Managing the Waters of the Great Lakes Basin*  
By: Council of Great Lakes Governors  
1987 47 pp.  
The Water Resources Management Committee  
reports to the Governors and Premiers of the Great  
Lakes State and provinces in this publication.  
Obtain from: Council of Great Lakes Governors,  
310 S. Michigan Ave., 10th Floor, Chicago, IL  
60604.

*Manual for Researching Historical Coastal  
Erosion, A*  
By: Kim F. Iton  
1981 56 pp.  
Obtain from: California Sea Grant College  
Program—see address list.

*Mapping Drainage Areas on Digital Maps from  
Boundary Coordinates*  
By: T.E. Croley, et al.  
1986 Open file report  
Obtain from: Great Lakes Environmental Research  
Laboratory, 2205 Commonwealth Blvd., Ann  
Arbor, MI 48105-1593.

*Middle Holocene Dry Period in the Northern  
Midwestern United States: Lake Levels and Pollen  
Stratigraphy*  
By: M.G. Winkler  
1986 Quarterly Research, Vol. 25, No. 2, pp.  
235-250  
Obtain from: Quaternary Research, Academic  
Press, Inc., Journal Division, 1250 6th Avenue,  
San Diego, CA 92101.

*Models of a Biological Process for Mercury  
Decontamination*  
By: Ann Denise Christy  
1986 TD-017106 pp. \$11.55  
Describes a new process that detoxifies mercury  
using certain strains of bacteria. The details of this  
process are explained so that it can be most  
effectively used.  
Obtain from: Ohio Sea Grant College Program—  
see address list.

*Modernizing Local Governments—A Regional  
Government Approach to Managing the  
Environment*  
1973 Chapter 4 31 pp.  
Obtain from: New York Sea Grant Institute—see  
address list.

ERIC  
Full Text Provided by ERIC

*Municipal Assistants in Financing a Group  
Erosion Abatement Project*

By: Frank R. Lichtkoppler, et al.  
1986 FS-037 2 pp. Free

This fact sheet explains some innovative methods of erosion control that neighborhood groups have implemented. Shows the cost saving results of group versus individual efforts.

Obtain from: Ohio Sea Grant College Program—see address list.

*Natural Resources of Illinois: Introduction and  
Guide, The*

By: R.D. Neely, et al.  
1987 224 pp. \$10.00

Reprint from Special Publications, Vol. 6

Obtain from: Illinois Natural History Survey, 172  
Natural Resources Bldg., 607 E. Peabody Dr.,  
Champaign, IL 61820.

*Near-Real Time Forecasting of Large Lake Water  
Supplies: A User's Manual*

By: T. E. Croley II, et al.  
1987 NOAA publication: TM ERL GLERL-61  
Obtain from: Great Lakes Environmental Research  
Laboratory, 2205 Commonwealth Blvd., Ann  
Arbor, MI 48105-1593.

*New Approach for the Establishment of Fish  
Consumption Advisories, A*

By: Milton Clark, et al.  
1987 In Journal of Great Lakes Research,  
Vol. 13, No. 3 8 pp.

Presents an advisory approach that employs risk  
assessment techniques.

Obtain from: International Association of Great  
Lakes Research, University of Michigan, 2200  
Bonisteel Blvd., Ann Arbor, MI 48109.

*New York Great Lakes Water Levels Update*

By: Charles R. O'Neil, editor  
Occasional Free

This series reports on current water levels for  
shoreline land and facility owners, local officials,  
and the media on Lake Ontario and Lake Erie.

Obtain from: New York Sea Grant Extension, 405  
Administration Bldg. State University College,  
Brockport, NY 14420.

*New York State Supplement to Coastal Problems  
and Resource Management*

See IIA. Our Great Lakes Heritage.

*Newspaper clippings from the 5-county area in the  
Illinois-Indiana Lake Michigan region—1986 to  
Present*

See IA. Boating.

*1987 Directory of Environmental Agencies and  
Organizations in the Rochester-Genesee-Finger  
Lakes Region of New York State*

By: Center for Environmental Information  
1987 61 pp. \$6.00

Obtain from: Center for Environmental Informa-  
tion, 33 S. Washington St., Rochester, NY 14608.

*Nonagricultural Pesticides - Risks and Regulation*

By: US General Accounting Office  
1986 Report # GAO/RCED-86-97  
\$2.00 (25% discount for orders of 100 or more)

Obtain from: US General Accounting Office;  
(202)275-6241.

*Northwest Indiana Environmental Action Plan*

By: Robert Hilton  
1987

Obtain from: Indiana Department of Environ-  
mental Management, 105 S. Meridian St.,  
Indianapolis, IN 46225.

*Occurrence and Rates of Chemical Biodegradation  
in Superior Harbor Water*

By: Dinesh D. Vaishnav, et al.  
1986 8 pp. In Journal of Great Lakes  
Research, Vol. 12, No.3, pp. 184-191

Obtain from: International Association of Great  
Lakes Research, University of Michigan, 2200  
Bonisteel Blvd., Ann Arbor, MI 48109

*Ocean Coastal Erosion: Protection: Judicial  
Allocation of Shoreowners' Rights and Responsi-  
bilities*

By: Milton Kaplan  
1984 100 pp.

Examines when homeowners are eligible for these  
erosion protection structures. Looks at Long Island  
problems, but applies elsewhere.

Obtain from: New York Sea Grant Institute—see  
address list.

*Ohio Sea Grant Education Program: Development,  
Implementation, Evaluation, The*

By: V. J. Mayer, et al.  
1989 EP-075 155 pp. \$8.00

Monograph describing ten years of aquatic  
education in Ohio with model for curriculum  
development and dissemination.

Obtain from: Ohio Sea Grant College Program—  
see address list.

*Oil Spill*

By: Rosanne W. Fortner, et al  
1980 EP-012 Teacher and Youth Guides \$3.00

Obtain from: Ohio Sea Grant College Program—  
see address list.



*On the Use of Biological Controls for Managing Great Lakes Disturbances*

By: Flint Warren

1987 In *Journal of Great Lakes Research*, Vol. 13, No. 1, pp. 93-95

Obtain from: International Association of Great Lakes Research, University of Michigan, 2200 Bonisteel Blvd., Ann Arbor, MI 48109.

*Our Great Lakes Connection: A Curriculum Guide for Grades Kindergarten Through Eight*  
See IIA. Our Great Lakes Heritage.

*Our Jewel, Our Monster—Facing Up to the Lake's Assault on our Shoreline*

By: Jeff Lyon

October, 1987 *Sunday Magazine*, Chicago Tribune 16 pp.

Describes Chicago's eroding shoreline in 1987 and how city leaders coped with this problem.

Contains photographs, diagrams, and a reader's survey.

Obtain from: Chicago Tribune, 435 N. Michigan Ave, Chicago, IL 60611; (312)222-3232.

*Outfall Systems can Achieve Safe Effluent Levels*

By: F.Y. Sorrell

1980 *Journal Reprint* 7 pp.

Obtain from: University of North Carolina Sea Grant College Program—see address list.

*PCBs in Fish: A Problem?*

By: V. J. Mayer, et al.

1983 EP-023 Teacher guide (25 pp.) and student workbook (10 pp.) \$3.00

Discusses PCBs in Lake Erie and Ontario and how they affect fish consumption.

Obtain from: Ohio Sea Grant College Program—see address list.

*Perspectives on Nonpoint Source Pollution, Proceedings of a National Conference, Kansas City, Missouri, 1985*

1985 513 pp.

Obtain from: US Environmental Protection Agency, Office of Water Regulations and Standards, 230 S. Dearborn St., Chicago, IL 60604.

*Pesticides—EPA's Formidable Task to Assess and Regulate their Risks*

By: US General Accounting Office

1986 Report # GAO-RCED-86-125 \$2.00 (25% discount for orders of 100 copies or more)

Obtain from: US General Accounting Office; (202)775-6241.

*Phosphorus Diet for the Lower Lakes, A*

By: U.S. Environmental Protection Agency  
1986 21 pp.

Executive summary of the U.S. Task Force plan for phosphorus load reduction to Lake Erie, Lake Ontario and Saginaw Bay

Obtain from: U.S. EPA, Region V, 230 S. Dearborn St., Chicago, IL 60604.

*Phosphorus Release Processes in Nearshore Southern Lake Michigan*

By: Michael A. Quigley, et al.

1986 *Canadian Journal of Fisheries and Aquatic Sciences*, Vol. 43, No. 6, pp. 1201-1207

Obtain from: Canadian Journal of Fisheries and Aquatic Sciences, Scientific Information and Publications Branch, 200 Kent St., Ottawa Ont. K1A 0E6, CANADA.

*Physical Data for the Illinois Coastal Zone Management Development Program*

1975 Vol. 2

Obtain from: Illinois State Geological Survey, 124 Natural Resource Bldg., 615 E. Peabody Dr., Champaign, IL 61820.

*Phytoplankton Composition, Abundance, and Distribution Near Shore Lake Ontario and Oswego River and Harbor*

By: Joseph C. Makarewicz

1987 In *Journal of Great Lakes Research*, Vol. 13, No. 1, pp. 56-64

Obtain from: International Association of Great Lakes Research, University of Michigan, 2200 Bonisteel Blvd., Ann Arbor, MI 48109.

*Plenary Paper 1. Exposure assessment: Computational Strategies Report of the Workshop on Hazard Assessment of Chemicals*

By: B.J. Eadie, et al.

1985

Obtain from: Great Lakes Environmental Research Laboratory, 2205 Commonwealth Blvd., Ann Arbor, MI 48105-1593

*Pollution Control Facility Siting in Illinois*

By: Office of Government and Community Affairs  
1987

This booklet highlights the significant 1987 amendments to the pollution control act relating to the location of sanitary landfills and hazardous waste disposal sites.

Obtain from: Illinois Environmental Protection Agency, 2200 Churchill Rd, PO Box 19276, Springfield, IL 62706

*Pollution in Lake Erie: An Introduction*

By: Carole P. Basehore, et al.

1980 EP-008 Teacher and youth guides \$3.00

Obtain from: Ohio Sea Grant College Program—  
see address list.

*Preliminary Investigation of Integrated Bluff  
Protection System for Lake Erie*

By: Wayne Douglas Reynolds

1985 TB-012 144 pp. \$15.00

Obtain from: Ohio Sea Grant College Program—  
see address list.

*Primer Regarding Certain Provisions of the  
Illinois Groundwater Protection Act, A*

By: Division of Public Water Supplies

1987 48 pp.

This booklet outlines and elaborates on chief  
provisions of the latest Illinois groundwater  
protection act.

Obtain from: Illinois Environmental Protection  
Agency, 2200 Churchill Rd., PO Box 19276,  
Springfield, IL 62794-9276.

*Proceedings of the 1986 Green Bay/Fox River  
Research Symposium, The*

By: H.J. Harris, et al.

1986 47 pp. Free

Obtain from: University of Wisconsin Sea Grant  
Institute—see address list.

*Production of Planktonic Bacteria in Lake  
Michigan*

By: D. Scavia, et al.

1986 In *Limnology Oceanography*, Vol. 31,  
No. 3, pp. 612-626

Obtain from: Great Lakes Environmental Research  
Laboratory, 2205 Commonwealth Blvd., Ann  
Arbor, MI 48105-1593.

*Projected Increases in Municipal Water Use in the  
Great Lakes due to CO<sub>2</sub>-induced Climatic Change*

By: Stewart J. Cohen

1987 In *Water Resources Bulletin*, Vol. 23,  
No. 1, pp. 91-101

Obtain from: Water Resources Bulletin, American  
Water Resources Association, 5410 Grosvenor  
Lane, Suite 220, Bethesda, MD 20814.

*Putting PCBs in Perspective*

See IB. Sportfishing.

*Rebirth of Lake Erie: Recovering from Phospho-  
rus Enrichment*

By: Charles E. Herdendorf

1986 RS-051 8 pp. Free

This report explains how the lake's water and life  
forms increased in health and numbers as the  
phosphorus decreased.

Obtain from: Ohio Sea Grant College Program—  
see address list.

*Recommendation for Shoreline Protection and  
Recreational Enhancement—Final Report*

By: Chicago Shoreline Protection Commission

1988 90 pp. Free

This report makes recommendations on Lake  
Michigan waterfront revitalization projects.

Obtain from: Department of Planning, City Hall,  
121 N. LaSalle St., Chicago, IL 60602; (312)744-  
3025.

*Reducing Polluted Runoff from Commercial/  
Institutional Areas—Impacts and Best  
Management Practices*

By: West Michigan Environmental Action Council

1987 30 pp. \$0.75

One of a series of six booklets on controlling non-  
point pollution.

Obtain from: West Michigan Environment Action  
Council, 1432 Wealthy S.E., Grand Rapids, MI  
49507; (606)451-3051.

*Reducing Toxic Runoff from Construction Sites—  
Impacts and Best Management Practices*

By: West Michigan Environmental Action Council

1987 11 pp. \$0.40

One of a series of six booklets on controlling non-  
point pollution.

Obtain from: West Michigan Environment Action  
Council, 1432 Wealthy S.E., Grand Rapids, MI  
49507; (606)451-3051.

*Region 5 Hazardous Waste and Toxic Substances*

1985 24 pp.

Obtain from: US Environmental Protection  
Agency, Great Lakes Program Office, 536 S. Clark  
St., Chicago, IL 60605; (312)785-2800.

*Regional Land Use Policy Plan, An Element of the  
Comprehensive General Plan of Northeastern  
Illinois*

1984 48 pp.

Obtain from: Northeastern Illinois Planning  
Commission, 400 W. Madison St., 2nd Floor,  
Chicago, IL 60606; (312)454-0400.

*Regional Water Supply Plan, an Element of the Comprehensive General Plan of Northeastern Illinois*

1978 34 pp.

Obtain from: Northeastern Illinois Planning Commission, 400 W. Madison St., 2nd floor, Chicago, IL 60606; (312)454-0400.

*Regulation of Water Quality in Lake Michigan: Report of the Food Web Workshop*

By: James F. Kitchell, et al.

1988 In *Journal of Great Lakes Research*, Vol. 14, No.1, 7 pp.

Explains how the salmon, alewife, and zooplankton food web is a major cause of increased water clarity in the summer.

Obtain from: International Association of Great Lakes Research, The University of Michigan, 2200 Bonisteel Blvd, Ann Arbor, MI 48109.

*Relative Cancer Risks of Chemical Contaminants in the Great Lakes*

See: IB. Sportfishing.

*Remedial Action Plans for Areas of Concern*

By: International Joint Commission

1987 Free

This brochure describes the process of identifying, planning and implementing remedial measures for the 42 "Areas of Concern."

Obtain from: International Joint Commission, PO Box 32869, Detroit, MI 48323; (313)226-2170.

*Remote Sensing and Oceanographic Equipment Technology: Some Present Systems and Future Needs*

By: Peter Cornillon, et al.

1985 Journal reprint 19 pp. \$4.00

Obtain from: Massachusetts Institute of Technology Sea Grant College Program—see address list.

*Remote Sensing of Tidal Chlorophyll—A Variation in Estuaries*

By: Glenn P. Catts, et al.

1985 Journal reprint Free to California residents (non-residents multiple copies \$1.00 each)

Obtain from: California Sea Grant College Program—see address list.

*Research Team Examining Pollution Effects in the Calumet Area*

By: Linnea Eschenlohr

2 pp. Free

Describes a study undertaken to document the extent and effect of Lake Calumet pollution on South Chicago.

Obtain from: Illinois State Water Survey, 2204 Griffith Dr., Champaign, IL 61820.

*Review of Containment and Collection Devices for Oil Spills, A*

By: James E. Glattly

1979 NYSGI-UI-79-003, pp. 9-10

Obtain from: New York Sea Grant Institute—see address list.

*Review: Phosphorus-Plankton Dynamics and Phosphorus Cycling in Aquatic Systems, A*

By: S.J. Tarapchak, et al.

1986 No. NOAA TM ERL GLERL-60

Obtain from: Great Lakes Environmental Research Laboratory, 2205 Commonwealth Blvd., Ann Arbor, MI 48105-1593.

*Role of Agencies, Scientists, and the Public in Planning Dredged-Sediment Disposal, The*

By: H. Bokuniewicz, et al.

1982 Journal reprint 5 pp.

Obtain from: New York Sea Grant Institute—see address list.

*Role of Taste in Food Selection by Freshwater Zooplankton, The*

By: William De Mott

1986 RS-046 7 pp.

Discusses the ability of certain zooplankton to detect nutritious food which allowed them to survive better than other zooplankton, thereby helping ecologists better understand the food web.

Obtain from: Ohio Sea Grant College Program—see address list.

*Seiche, The*

See IA. Boating.

*Shoreline Erosion along the Indiana Coast of Lake Michigan*

1979 41 pp.

Obtain from: Indiana Department of Natural Resources, 612 State Office Building, Indianapolis, IN 46204.

*Shoreline Erosion—Special Problems for Realtors*

By: Leslie Y. Lin

1976 MICHU-SG-76-302 Journal reprint 2 pp

Obtain from: Michigan Sea Grant College Program—see address list.

*Shoreline Erosion: Questions and Answers*

By: Michigan Sea Grant

1985 14 pp. MICHU-SG-85-511 \$0.50

Explains the natural erosion process and provides practical advice on how to control shoreline erosion.

Obtain from: Michigan Sea Grant College Program—see address list

*Shoreline Protection Structures*

By: Frank Lichtkoppler

1981 FS-C11 2 pp.

Obtain from: Ohio Sea Grant College Program—see address list.

*Slip Sliding Away: Erosion on Lake Superior's North Shore*

By: Dale Baker, et al.

1987 4 pp.

Free

This describes a 1986 erosion survey of 199 coastal property owners in three counties on Minnesota's North Shore.

Obtain from: Minnesota Sea Grant Program—see address list.

*Sources of Information about Great Lakes Water Levels and Erosion*

By: Dale Baker

1987 2 pp.

Free

Obtain from: Minnesota Sea Grant Program—see address list.

*Southeastern Nearshore Lake Michigan: Impact of the Donald C. Cook Nuclear Plant*

By: Ronald Rossman, editor

1986 Publication 22 432 pp.

Obtain from: Center for Great Lakes and Aquatic Sciences, 2200 Bonisteel Blvd., Ann Arbor, MI 48109.

*State and Federal Interactive Relationship on Water Pollution Regulatory Systems*

By: Prince Collins Chukobasih

1981 29 pp.

Obtain from: Mississippi-Alabama Sea Grant Consortium—see address list.

*State of the Great Lakes: Annual Report for 1988-89*

By: Michigan Department of Natural Resources

1989 40 pp.

Obtain from: Michigan Department of Natural Resources, The Office of the Great Lakes, PO Box 30028, Lansing, MI 48909.

*Stratigraphic Study of Beach Features on the Southwestern Shore of Lake Michigan, A*

By: Curtis E. Larsen

1985 31 pp.

New evidence of the holocene lake level fluctuations.

Obtain from: Illinois State Geological Survey, 463 Natural Resources Building, 615 East Peabody Dr., Champaign, IL 61820.

*Structural Methods for Controlling Coastal Erosion*

By: Charles R. O'Neill, Jr.

1986 28 pp.

Gives coastal landowners, developers, and government officials a means to determine when and what erosion control measures might be applicable to specific coastal conditions.

Obtain from: New York Sea Grant Institute—see address list.

*Study of Legal, Institutional and Financing Issues Relating to Implementation of Lake Michigan Shore Protection in Illinois, A*

By: Chapman and Cutler

1979 138 pp.

Obtain from: Illinois Department of Transportation, Division of Water Resources, 310 S. Michigan, Rm. 1606, Chicago, IL 60611; (312)793-5948.

*Study of Michigan Caspian Tern and Double Crested Cormorant Colonies in Lake Huron, Michigan, and Superior*

By: Hiroko Kurita, et al.

1987

Birds from two toxic hot spots, Green Bay and Saginaw Bay, and less contaminated areas all showed widespread embryonic deformities.

Obtain from: Michigan Department of Natural Resources, Office of the Great Lakes, PO Box 30028, Lansing, MI 48109.

*Superior Pursuit: Facts about the Greatest Great Lake*

1989 (revised)

Free

All about the big lake—its size, geology, water quality, etc.

Obtain from: Minnesota Sea Grant Program—see address list.

*Survey of Status of Public Involvement in Remedial Actions Plans Around the Great Lakes*

By: The Center for the Great Lakes

1987

This inventory of activities and people involved with each of the Great Lakes 42 "areas of concern" shows consensus building is occurring due to involvement with remedial action plans.

Obtain from: The Center for the Great Lakes, 435 N. Michigan Ave., #1408 Chicago, IL 60611, Attn: Publications; (312)645-0901.

*Surveys of Trace Contaminants in the St. Clair River*

By: C.H. Chan, et al.

1986 Science Series No. 158 10 pp.

Obtain from: Publications Office, Environment Canada, Ontario K1A 0E7, CANADA.

*Temporal Distribution of Fecal Pollution Indicators and Opportunistic Pathogens at a Lake Ontario Bathing Beach*

By: James P. Sherry, et al.  
1986 In *Journal of Great Lakes Research*, Vol. 12, No. 3 pp. 154-160

Obtain from: International Association of Great Lakes Research, University of Michigan, 2200 Bonisteel Blvd., Ann Arbor, MI 48109.

*Tests and Standards for Drinking Water*

By: Barbara Liukkonen  
1989 8 pp. Free

Obtain from: Minnesota Sea Grant Program—see address list.

*Toxaphene: Status in the Great Lakes*

By: John R. Sullivan  
1985 39 pp.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Toxic Chemicals in the Great Lakes Basin Ecosystem: Some Observations*

By: Thomas Muir, et al.  
1987 51 pp. Free

Muir, an economist, and Sudar, a sociologist, synthesized data from 323 studies and found links between toxic chemicals and human health threats in the Great Lakes.

Obtain from: Environment Canada, Canadian Government Publishing Centre, Ottawa, Ontario K1A 0S9, CANADA.

*Toxic Chemicals: What They Are—How Do They Affect You*

1985 3 pp.  
Obtain from: US Environmental Protection Agency, Great Lakes Program Office, 536 S. Clark St., Chicago, IL 60605; (312)353-2117.

*Toxicity of Toxaphene to *Bosmina Longirostris* and *Daphnia Sp.* (Crustacea)*

By: Alexander J. Novak, et al.  
1986 In *Bulletin of Environmental Contaminant Toxicology*, Vol. 37, pp. 719-721

Obtain from: The National Fisheries Center - Great Lakes, 1451 Green Rd., Ann Arbor, MI 48105.

*Trace Metal Concentrations in the Offshore Waters and Sediments of Lake Superior*

By: Ronald Rossman  
1986 122 pp.  
Obtain from: University of Michigan, Great Lakes Research Division, 2200 Bonisteel Blvd., Ann Arbor, MI 48109.

*Tribute to the Great Lakes, A*

By: Michigan Natural Resources Magazine  
1986  
Obtain from: Michigan Department of Natural Resources, PO Box 30034, Lansing, MI 48909.

*Twine Line*

See IA. Boating.

*Unfulfilled Promises—Summary: A Citizens Review of the International Great Lakes Water Quality Agreement*

By: Great Lakes United  
1987 12 pp. \$2.00

This report briefly explains the 1978 Great Lakes Water Quality Agreement, the public hearings, the findings, and the recommendations for improvements.

Obtain from: Great Lakes United, 24 Agassiz Circle, Buffalo, NY 14124; (716)886-0142.

*Upwellings*

See IA. Boating.

*Urban Effects on Water Quality and Quantity—Conference Proceedings*

By: Wendy Blake-Coleman, editor  
1983 361 pp.

Obtain from: Illinois Department of Energy and Natural Resources, 325 W. Adams, Springfield, IL 62704-1892; (217)785-2800.

*Use of Thematic Mapper Data to Assess Water Quality in Green Bay and Central Lake Michigan*

By: Richard Lathrop, Jr., et al.  
1986 10 pp.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*User's Guide to the Littoral Environment Observation (LEO) Retrieval System, A*

By: Ann R. Sherlock, et al.  
1987  
CED program was established to recruit volunteer observers of coastal wave information. The LEO Retrieval System is computer-based and performs a variety of data retrieval and analysis.  
Obtain from: US Army Corps of Engineers Waterways Experiment Station, PO Box 631, Vicksburg, MS 39180-0631, (601)634-2571

*Using Enhanced Landsat Images for Calibrating Real-time Estuarine Water Quality Models*

By: J.M. Hill, et al.  
1980 Journal reprint 4 pp.  
Obtain from: Florida Sea Grant College Program—see address list

ERIC  
Full Text Provided by ERIC

*Using the Lake Trout as an Indicator of Ecosystem Health*

By: T.R. Marshall, et al.  
1987 Technical Report Vol. 49 35 pp.

This is an application of the dichotomous key.  
Obtain from: Great Lakes Fishery Commission,  
1451 Green Rd., Ann Arbor, MI 48105.

*Vegetation and Its Role in Reducing Lakes Shoreline Erosion*

By: Michigan Sea Grant  
1988 42 pp. MICHU-SG-88-700 \$0.50

Provides information and guidelines on how to use vegetation to help stabilize and preserve Great Lakes shorelines.

Obtain from: Michigan Sea Grant College Program—see address list.

*Water Diversion and Great Lakes Institutions: A Report to the Governors and Premiers of the Great Lakes States*

1985 46 pp.

Obtain from: Council of the Great Lakes Governors.

*Water Level Changes. Factors Influencing the Great Lakes*

By: Great Lakes Commission  
1986 14 pp. \$1.25/copy

Obtain from: Great Lakes Commission, The Argus II Building, 400 S. Fourth St., Ann Arbor, MI 48103.

*Water Quality and Pollution Control in Michigan: 1986 Report*

By: Michigan Department of Natural Resources  
1986 132 pp.

Obtain from: Michigan Department of Natural Resources, Great Lakes and Environmental Assessment Section, PO Box 30028, Lansing, MI 48909.

*Water-Related Teaching Activities*

By: Herbert Cook, et al.  
1977 149 pp. \$ 8.00

Teaches students about water resources. Includes a reference list of films on water resources and water equipment.

Obtain from: ERIC Center, College of Education, The Ohio State University, 1200 Chambers Rd., Columbus, OH 43212.

*Water Resources Data, Indiana, Water Years 1985*  
By U.S. Department of Interior, Geological Survey

1987 306 pp.

Obtain from: US Geological Survey, Water Resources Division, 5957 Lakeside Blvd., Indianapolis, IN 46278.

*World Conference on Large Lakes, Mackinac*

By: Katie Wolf  
1986 111 pp.

Recommends action for toxic contamination.  
Obtain from: Lewis Publishers, Inc., 121 S. Main St., PO Box 519, Chelsea, MI 48118; (313)475-8619.

*Zooplankton of the Great Lakes—A Guide to the Identification and Ecology of the Common Crustacean Species*

By: Mary D. Lincer, et al.  
1984 175 pp.

Obtain from: University of Wisconsin Press, 114 N. Murray St., Madison, WI 53715.

## IIIB. Wetlands

*Acquisition of Development Rights in the Coastal Zone: An Alternative to Wetlands Regulation, The*

By: David M. Ascher  
1979 66 pp.

Obtain from: New York Sea Grant Institute—see address list.

*Action for the Eighties ... and Beyond - Vol. II, A Strategic Plan for Illinois Wildlife Resources, FY87-FY91*

By: Illinois Department of Conservation  
1986 17 pp.

Sections on waterfowl and furbearers will aid in teaching about wetlands.

Obtain from: Office of Field Operations, Division of Wildlife Resources, 600 N. Grand Ave. W., Springfield, IL 62706

*Action for the Eighties ... and Beyond, Vol III, A Strategic Plan for Illinois Heritage, Endangered and Threatened Species, FY87-FY91*

By: Illinois Department of Conservation  
1986 9 pp.

This is of interest to teachers, because many of these species are found in wetlands.

Obtain from: Office of Field Operation Division of Natural Heritage, 600 N. Grand Ave., W., Springfield, IL 62706.

*Amphibians of Illinois*

By: Paul W. Parmalee  
1954

Identifies all known Illinois species of frog, toads, and salamanders.

Obtain from: Illinois State Museum Society, Spring and Edwards Streets, Springfield, IL 62706

*Aquatic Plants of Illinois*

By: G. S. Winterringer, et al.  
1977

Illustrated manual with identification keys.  
Obtain from: Illinois State Museum Society,  
Spring and Edwards Streets, Springfield, IL 62706.

*Aquatic Plants of Lake Erie Region*

1985 \$1.00

Includes illustrations and descriptions of the four  
general plant types.  
Obtain from: Ohio Sea Grant College Program—  
see address list

*Assessment of Wetland Resources: Manual for  
Workshop*

By: John G. Lyon, et al.  
1983 MICHU-SG-83-600 21 pp.

Obtain from: Michigan Sea Grant College  
Program—see address list.

*Atlas of the Spawning and Nursery Areas of Great  
Lakes Fishes*

1982  
Obtain from: U.S. Fish and Wildlife Service,  
Office of Biological Services, 18th and C Streets,  
NW, Washington, DC 20240.

*Bulletin—Society of Wetland Scientists*

By: Lyndon C. Lee  
Quarterly newsletter  
Obtain from: Society of Wetland Scientists,  
Office of Wetland Protection, 401 M. St. SW,  
Washington, DC 20460; (202)382-5299.

*Chicagoland Pond Life*

By: W. J. Beecher  
2 part fact sheet.  
Obtain from: Chicago Academy of Sciences, 2001  
N. Clark St., Chicago, IL 60614; (312)549-0606.

*Coastal Wetlands*

By: Harold Prince editor  
1985 286 pp. \$39.95  
Obtain from: Lewis Publishers, Inc., 121 S. Main  
St., PO Box 519, Chelsea, MI 48118; (313)475-  
8619.

*Coastal Wetlands along Lake Ontario and St  
Lawrence River in Jefferson County, New York*

By: James W. Geis, et al.  
1977 130 pp.  
Obtain from: New York Sea Grant Institute—see  
address list.

*Constructed Wetlands for Wastewater Treatment—  
June 1988 Conference Proceedings*  
1988

Information on wetlands as waste treatment  
systems, including papers on design, construction,  
operation, and monitoring.  
Obtain from: Tennessee Valley Authority, Waste  
Management Program, 2D44 Old City Hall,  
Knoxville, TN 37902.

*Creation of Wetland Habitat in Northeastern  
Illinois*

By: Donald L. Hey, et al.  
1982 119 pp.  
Obtain from: Illinois Department of Energy and  
Natural Resources, 325 W. Adams, Springfield, IL  
62704-1982; (217)785-2800.

*Density and Distribution of Larval Fishes in  
Pentwater Marsh: A Coastal Wetland on Lake  
Michigan*

By: Sara L. Chubb, et al.  
MICHU-SG-87-301 Free  
Study of larval fish abundance in densely vegetated  
bayous and open-water area of Lake Michigan  
Obtain from: Michigan Sea Grant College  
Program—see address list.

*Developing Criteria for the Evaluation of Wetlands*

By: Joseph A. Neafsey  
1977 43 pp.  
Obtain from: New York Sea Grant Institute—see  
address list.

*Drowning Pool, The*

By: Lee Casebere  
1987 In Outdoor Indiana magazine 4 pp.  
Describes the pitcher plant, which eats insects and  
is found in Indiana's wetland bogs.  
Obtain from: Indiana Department of Natural  
Resources, Public Information Office, 612 State  
Office Building Indianapolis, IN 46204

*Ecology of Coastal Marshes of Western Lake Erie  
A Community Profile, The*

By: Charles E. Herdendorf  
1987 171 pp.  
Deals with marine and freshwater habitats of  
ecological importance to Lake Erie.  
Obtain from: U.S. Fish and Wildlife Service, 1010  
Gause Boulevard, Slidell, LA 70458.

*Ecology of Lake St. Clair Wetland A Community  
Profile, The*

By: Charles E. Herdendorf, et al.  
1986 187 pp.  
Obtain from: U.S. Fish and Wildlife Service,  
National Wetlands Research Center, 1010 Gause  
Blvd., Slidell, LA 70458.



*Ecosystem Study of the Indiana Dunes National Lakeshore, Vol. 1*

By: M. Reshkin, et al.  
1981 295 pp.

Obtain from: Indiana Dunes National Lakeshore,  
1100 N. Mineral Springs Rd., Porter, IN 46304;  
(219)926-7561.

*Effects of De-icing Salts on Water Chemistry and Vegetation in Pinhook Bog, Indiana Dunes National Lakeshore, The*

By: Douglas A. Wilcox  
1982 139 pp.

Obtain from: Indiana Dunes National Lakeshore,  
1100 N. Mineral Springs Rd., Porter, IN 46304;  
(219)926-7561.

*Effects of Lake Michigan Water Levels on Wetland Soil Chemistry and Distribution of Plants in the Straits of Mackinac*

By: John G. Lyon, et al.  
1986 MICHU-SG-86-303 9 pp. Free

This journal reprint shows the effects of long-term water level changes on Lake Michigan's wetlands based on measurements taken from aerial photos (1938-1980).

Obtain from: Michigan Sea Grant College Program—see address list

*Endangered Species*

Monthly Technical Bulletin

Obtain from: U.S. Fish and Wildlife Service,  
Department of Interior, 18th and C Streets, NW,  
Washington, DC 20240

*Environmental Impacts of the Aquatic Disposal of Dredged Material Fact and Fancy*

See IIIA. Great Lakes Urban and Natural Ecology

*Fish and Wildlife Resources of the Great Lakes Coastal Wetlands within the United States—Volume One Overview*

By: Charles E. Herdendorf, et al.  
1980 Available as a loan copy 471 pp

Obtain from: National Sea Grant Depository—see address list

*Fresh-water Mussels of Illinois, The*

By: Paul W. Parmalee  
1967

Obtain from: Illinois State Museum Society,  
Spring and Edwards Streets, Springfield, IL 62706

*Getting More Bucks for Ducks—Private Conservation Organization Supports Indiana's Waterfowl*

By: Tom Sporre  
1987 Outdoor Indiana 5 pp.

Article explains how Ducks Unlimited is using their monies to match State dollars to purchase wetland habitats for waterfowl.

Obtain from: Indiana Department of Natural Resources, Public Information Office, 612 State Office Building, Indianapolis, IN 46204.

*HELM Happenings and Educational Activities Around Lake Michigan, The*

See IA. Boating.

*Human Interference with Natural Water Level Regimes in the Context of Other Cultural Stresses on Great Lakes Wetlands*

By: Nancy J. Patterson, et al.  
1985 31 pp.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Illinois Natural Heritage Conservation Education Kit IV*

By: Sally Stone, et al.  
1984 64 pp Includes 22 x 17 black and white poster

Obtain from: Illinois Department of Conservation,  
524 S. Second, Springfield IL 62706

*Importance of Reserve Size in the Conservation of Prairie and Wetland Butterfly Communities, The*

By: Ronald J. Panzer  
1984 72 pp

Obtain from: Northeastern Illinois University,  
Chicago, IL; (312)583-4050

*Increasing Our Wetland Resources—Symposium on Wetlands Creation and Restoration*

1988 Proceedings  
Papers on implementation of projects to create and restore wetlands and on the politics involved in this process

Obtain from: Academic libraries or National Wildlife Federation, Corporate Conservation Council, 1412 16th St. N.W., Washington, DC 20240

*Individual Economic Incentives, the Tax System and Wetland Protection Policy: A Study of Returns to Wetland Drainage*

By: Richard Barrows, et al.  
1982 26 pp

Obtain from: University of Wisconsin Sea Grant Institute—see address list

*Lake Michigan Monitor*  
See IA. Our Great Lakes Heritage.

*Line of Tradition, A*

By: Larry L. Lerman  
November 1987 In *Outdoor Indiana*

This article describes the furtrapping industry in Indiana as one of the 'wetlands' important contributions. Explains the Indiana Department of Natural Resources' role in managing it.

Obtain from: Indiana Department of Natural Resources, Public Information Office, 612 State Office Building, Indianapolis, IN 46204.

*Liquid Assets*

By: Fred Tetreault  
March 16, 1987 In *Outdoor Highlights* 6 pp.

Explains the Illinois state wetlands inventory and mapping program that was completed in December 1988. Lake Michigan area wetlands inventory is also available.

Obtain from: Public Information Office, Illinois Department of Conservation, 524 S. Second St., Springfield, IL 62797; (217)782-7454.

*Littoral Drift*

See IA. Boating.

*Marsh Development for Wildlife*

Obtain from: Indiana Department of Natural Resources, Division of Fish and Wildlife, 607 State Office Building, Indianapolis, IN 46204

*National Symposium on Wetland Hydrology  
September 1987—The Proceedings*

By: Association of State Wetland Managers, Inc  
1988

Obtain from: Association of State Wetland Managers, Inc., PO Box 2463, Bernie, NY 12023.

*Newspaper clippings from the 5-county area of the  
Illinois-Indiana Lake Michigan region—1986 to  
present*

See IA. Boating.

*Plants of Illinois Dunesland*

By: Elizabeth T. Lunn  
1982 118 pp.

Contains excellent color photos and descriptions of all the plants found in Illinois Beach State Park

Obtain from: The Illinois Dunesland Preservation Society, 2004 North Ash St., Waukegan, IL 60087.

*Pond Life: A Guide to Common Plants and  
Animals of North American Ponds and Lakes*

By: George K. Reid  
1967 160 pp.

Obtain from. Local library or book store

*Prehistoric and Historic Wetland Heritage of the  
Upper Great Lakes*

By: C. Nicholas Raphael  
1987 In *Michigan Academician*, Vol 19, No. 3,  
pp. 331-365

Obtain from: Michigan Academy of Science, Arts, and Letters, Toumy House, 2117 Washtenaw Ave., Ann Arbor, MI 48104

*Public Notices of the Army Corps of Engineers*

By: Army Corps of Engineers, Chicago District  
Ongoing 2-8 pp. Free

Contain information on activities in wetlands where a Corps permit is needed. Good way to find out about wetlands in Chicago region.

Obtain from: US Army Corps of Engineers, Chicago District, 219 S. Dearborn St., Chicago, IL 60604-1797.

*Remote Sensing of Coastal Wetlands*

By: M.A. Hardisky, et al  
1986 Journal Report 8 pp. \$1 00

Shows how detailed satellite pictures are helping to detect the types and amounts of vegetation in wetlands.

Obtain from: University of Delaware Sea Grant College Program—see address list

*Role of Wetlands in Nutrient Cycling in the Great  
Lakes Region, The*

By: Craig N. Spencer, et al  
1984 NCU-W-84-001, pp. 177-202

Obtain from: University of North Carolina Sea Grant College Program—see address list

*Seasonal Dynamics in Small Wetland Pools*

By: Shirley McClellan  
1986 1 p.

Obtain from: Natural History Survey, Illinois Department of Energy and Natural Resources, Natural Resources Building, 607 E. Peabody Dr., Champaign, IL 61820

*Seiche, The*

See IA. Boating.

*Selected Proceedings of the Midwest Conference  
on Wetland Values and Management*

By: Brandt Richardson  
1981 660 pp.

Obtain from: Minnesota Natural Resource Department—Water Division, 500 Lafayette Rd., St. Paul, MN 55155.

*Strategies for Protection and Management of  
Flood Plain and Other Riparian Ecosystems*

By: Roy R. Johnson, et al  
1978 41 pp

Obtain from: U.S. Department of Agriculture Forest Service

*Streams and Wetlands—A Resource Worth Preserving*

By: The Northern Illinois Planning Commission  
1987 17 pp. \$2.00

Details some detrimental policies and development practices in a stream floodplain in northeastern Illinois. Also identifies steps to reverse the trend. Obtain from: Northern Illinois Planning Commission, 400 W. Madison St., Chicago, IL 60606.

*Tamarack Bogs*

By: W. J. Beecher

Explains what the bogs are and how to identify their plant growth.

Obtain from: Chicago Academy of Sciences, 2001 N. Clark St., Chicago, IL 60606.

*Transport and Deposition of Sediment in Old Woman Creek Estuary of Lake Erie*

By: David B. Buchanan  
1983 TB-010 198 pp. \$21.00

Obtain from: Ohio Sea Grant College Program—see address list.

*Twine Line*

See IA. Boating.

*Upwellings*

See IA. Boating.

*Vanishing Wonderlands*

By: Carol Swinehart and Harold Prince  
Nov.-Dec. 1986 Michigan Natural Resources Magazine

Obtain from: Michigan Natural Resources Magazine, Dept. of Natural Resources, Box 30034, Lansing, MI 48909.

*Vegetation of the Lake Michigan Shoreline in Wisconsin, The*

By: P.J. Salamun, et al.  
1978

Good reference document though technical in nature.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Wading Into Wetlands*

By: Jedy Braus, editor  
1986 65 pp.

A Naturescope booklet.

Obtain from: National Wildlife Federation, 1412 16th St. N.W., Washington, DC 20036-2266.

*Wetlands Affect You and Me*

Teacher/leader and member guide booklets with numerous teaching activities. Basic introductory material.

Obtain from: 4-H Youth Programs, Cooperative Extension Service, MSU Bulletin Office, PO Box 6640, East Lansing, MI 48826.

*Wetlands and Water Quality: A Citizen's Handbook on How to Review and Comment on Section 404 Permits*

By: Gerald A. Poulson  
1985 47 pp.

Obtain from: Lake Michigan Federation, 8 S. Michigan Ave., # 201G, Chicago, IL 60603; (312)263-5550.

*Wetland Component of the Statewide Comprehensive Outdoor Recreation Plan*

By: Marvin Hubbell  
1988 38 pp.

Obtain from: Wetlands Program, Illinois Department of Conservation, 524 S. Second St., Springfield, IL 62701-1787; (217)782-3215.

*Wetlands - Indiana's Endangered Natural Resources*

By: Indiana Department of Natural Resources  
1988

Contains information on Indiana's wetland resources and the regulations and other programs that protect them.

Obtain from: Indiana Department of Natural Resources, Public Information Office, 612 State Office Building, Indianapolis, IN 46204; (317)232-4670.

*Wetlands as the Wane*

By Robert Rolley  
June 1987 Outdoor Indiana 4 pp.

Describes the remaining Indiana wetlands and how the Indiana Department of Natural Resources is protecting them.

Obtain from: Indiana Department of Natural Resources, Public Information Office, 621 State Office Building, Indianapolis, IN 46204; (317)232-4670.

*Wetlands Package*

\$1.50

Includes general information on Michigan wetlands for elementary and middle school teaching.

Obtain from: Michigan United Conservation Club, PO Box 30235, Lansing, MI 48907

*Wildflowers of the Great Lakes*

By: Roberta Simonds, et al.

96 pp. \$5.95

Obtain from: The Great Lakes Bookseller, 108 W. Perry St., Port Clinton, OH 43452.

### IIIC. Wildlife and Waterfowl

*Abundance and Distribution of the Birds of Ohio*

By: B.G. Peterjohn, et al.

1987 Notes, No. 19 53 pp. \$6.00

Obtain from: Ohio Biological Survey, 980 Biological Science Bldg., 484 W. 12th Ave., Columbus, OH 432 22

*Action for the Eighties . . . and Beyond -Vol. 1, A*

*Strategic Plan for Illinois Fisheries Resources, FY83-85*

See IB. Sportfishing.

*Alowife Survival during the First Growth Season in Southeastern Lake Michigan*

By: Pamela J. Mansfield, et al.

1986 Canadian Journal of Fisheries and Aquatic Science, Vol. 44, No. 7, pp. 1318-1326

Obtain from: The Great Lakes Commission, The Argus II Building, 400 S. Fourth St., Ann Arbor, MI 48103.

*Age and Growth of Walleye in the New York Waters of Lake Erie, The*

See IB. Sportfishing.

*Amphibians of Illinois*

See IIIB. Wetlands.

*Annual Report—John G. Shedd Aquarium The Ocean by the Lake*

The Shedd Aquarium contains several display tanks and related information about Great Lakes fishes.

Obtain from: John G. Shedd Aquarium, 1200 S. Lake Shore Dr., Chicago, IL 60605.

*Annual Report of the Sea Lamprey Control Centre for 1985*

By: Canada Department of Fisheries and Oceans 1986 131 pp.

Obtain from: Sea Lamprey Control Centre, Sault Ste. Marie, Ont. P6A 1P0.

*Atlas of the Spawning and Nursery Areas of Great Lakes Fishes*

See IB Sportfishing. (Maps and Charts)

*Attachment Sites of Parasitic Lampreys. Comparisons Among Species*

By: Philip A. Cochran

1986 In Environmental Biology of Fishes, Vol. 17, No. 1, 71-79

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Behavioral Stock-Isolating Mechanisms in Great Lakes Fishes with Special Reference to Homing and Site Imprinting*

By: Ross M. Horra

1981 Journal Reprint 16 pp.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Birds of South Bass Island*

1985 GS-015 12 pp.

Birdwatching on Lake Erie.

Obtain from: Ohio Sea Grant College Program—see address list.

*Building and Management of Dredged Material Islands for Use by Wildlife in North America*

By Mary C. Landin

1980 Journal Reprint 28 pp.

Obtain from: Texas Sea Grant Program—see address list.

*Changes in Growth and Maturity of Walleyes Associated with Stock Rehabilitation in Western Lake Erie, 1964-1983*

See IB. Sportfishing.

*Competition Among Juveniles of Coho Salmon, Brook Trout, and Brown Trout in a Laboratory Stream, and Implications for Great Lakes*

By: Kurt Fausch, et al.

1986 In Transactions of the American Fisheries Society, Vol 115, No. 3., pp. 363-381

Obtain from: American Fisheries Society, 5410 Grosvenor Lane, Suite 110, Bethesda, MD 20814

*Contaminant Trends in Lake Trout from the Upper Great Lakes*

See IB. Sportfishing.

*Contaminants in Fish from Great Lakes Harbors and Tributary Mouths*

See IB. Sportfishing.

*Controlling the Sea Lamprey*

By: Robert Lorantas

1986 Pennsylvania Angler, Vol 55, No 8, pp 4-5

Obtain from: Pennsylvania Angler, Fish Commission, Box 1673, Harrisburg PA 17105-1673

ERIC  
Full Text Provided by ERIC



*Crisis of Wildlife Habitat in Illinois Today, The*

By: David Kenney, et al.  
1985 25 pp.

Obtain from: Illinois Wildlife Habitat Commission.

*Daily Timing of Lamprey Attacks, The*

By: Philip A. Cozran  
1986 Environmental Biology of Fishes, Vol. 16., No. 4., pp. 325-329

Obtain from: University library or Environmental Biology of Fishes, Kluwer Academic Publishers, PO Box 17, 3300 AA Dordrecht, The Netherlands.

*Determining the Age of Fish*

1984  
Describes various characteristics of fish that can be used to determine age.

Obtain from: Cooperative Extension Service, Michigan State University Bulletin Office, PO Box 6640, East Lansing, MI 48824.

*Dynamics of Lake Michigan Natural Phytoplankton Communities in Continuous Cultures Along a Si:P Loading Gradient*

By: S.S. Kilham, et al.  
1986 Canadian Journal of Fisheries and Aquatic Sciences, Vol. 43, No. 2, 351-365 pp.

Obtain from: Canadian Journal of Fisheries and Aquatic Sciences, Scientific Information Board, 200 Kent St., Ottawa, Ont. K1A 0E6 CANADA.

*Dynamics of Reproduction by Hatchery Lake Trout on Man-made Spawning Keys*

See IB. Sportfishing.

*Effect of Food Abundance on Larval Lake Whitefish*

By: W.W. Taylor, et al.  
1984 9 pp.

This presents data and discusses applications from laboratory study on larval lake whitefish growth and survival in relation to prey abundance.

Obtain from: National Sea Grant Depository—see address list.

*Endangered Species*

See IIIB. Wetlands.

*Entomology and Water*

By: H. David Greene  
1980 2 pp.

This fact sheet is part one of a 6 part set of aquatic activities for youth.

Obtain from: New York Sea Grant Institute—see address list.

*Exploring Freshwater Fisheries. A Fish and Fishing Project Activities Guide*

See IB. Sportfishing.

*Feeding Ecology and Vertical Migration of Adult Alewives in Lake Michigan*

See IB. Sportfishing.

*Fish Aquariums*

By: H. David Greene  
1980 8 pp.

This is one of a 6 part set of aquatic activities for youth.

Obtain from: New York Sea Grant Institute—see address list.

*Fish in Lake Michigan: Distribution of Selected Species*

See IB. Sportfishing.

*Fish of Lake Michigan*

See IB. Sportfishing.

*Fish Tails—Trout? Salmon?*

See IB. Sportfishing.

*Fisheries Education: From the Great Lakes to the Sea*

See IB. Sportfishing.

*Fishes of Ohio*

See IB. Sportfishing.

*Fishes of Wisconsin*

See IB. Sportfishing.

*Food of Trout and Salmon in Lake Ontario*

See IB. Sportfishing.

*Forage Fishes and Their Salmonid Predators in Lake Michigan*

See IB. Sportfishing.

*Fresh-Water Mussels of Illinois, The*

See IIIB. Wetlands.

*Future of Waterfowl Habitats in the Canadian Lower Great Lakes Wetlands, The*

By: A.A. Crowder, et al.  
1988 In Jour. of Great Lakes Research, Vol. 14, No. 1

Reviews the negative impact of human activity on waterfowl habitats.

Obtain from: International Association of Great Lakes Research, 2200 Bonsteel Blvd, Ann Arbor, MI 48109.

*Great Lakes Fishes—4-11 Fact Sheets*

See IB. Sportfishing.

*History of the Great Waterfowl Flyways Through the Great Lakes*

By: Charles and Sandy Herdendorf  
1985 RS-024 13 pp. Free

Covers the waterfowl's history and description of the migratory routes used by North American waterfowl.

Obtain from: Ohio Sea Grant College Program—see address list.

*Illinois Coastal Zone Management Program: Component Study of Biological Communities*

See IB. Sportfishing

*Incidence of Deformities in Chironomus sp. from Port Hope Harbour, Lake Ontario, The*

See IIIA. Great Lakes Urban and Natural Ecology.

*Indiana Fish and Wildlife Code Book*

See IB. Sportfishing.

*Indiana Fish and Wildlife Regulations*

See IB. Sportfishing.

*Indiana Waterfowl Stamp Program*

Obtain from: Indiana Department of Natural Resources, Division of Fish and Wildlife, 607 State Office Bldg., Indianapolis, IN 46204.

*Indicators of the Status of Cold Water Predator-Prey Systems*

See IB. Sportfishing.

*Interactions of 2, 3, 7, 8, TCDD with Immune Responses of Rainbow Trout*

See IB. Sportfishing.

*International Convention on Great Lakes Fisheries*

See IB. Sportfishing

*Investigating the Great Lakes Environment Unit Two Great Lakes Fishing in Transition*

See IB. Sportfishing.

*Lake Erie's Artificial Reef Program*

By: David O. Kelch, et al.  
1986 4 pp.

Description of the Ohio's artificial reef program, and public opportunities associated with it.

Obtain from: Ohio Sea Grant College Program—see address list.

*Lake Huron 1980 Intensive Survey. Summary Report Report to the Surveillance Work Group*

See IIA. Our Great Lakes Heritage.

*Lake Huron Rotifer and Crustacean Zooplankton, April-July, 1980*

By: Marlene S. Evans  
1986 In Journal of Great Lakes Research, Vol 12., No. 4, pp. 281-292

Obtain from: International Association of Great Lakes Research, University of Michigan, 2200 Bonisteel Blvd., Ann Arbor, MI 48109.

*Lake Trout: Live and Let Live*

See IB. Sportfishing.

*Lake Trout Returns to Lake Ontario, The*

See IB. Sportfishing.

*Lamprey Barrier: a Story of Persistence*

See IB. Sportfishing.

*Life History, Abundance, and Potential Harvest of Carp from Michigan Waters of the Great Lakes*

See IB. Sportfishing.

*Limnological and Fisheries Studies of the St Marys River, Michigan*

By: U.S. Department of the Interior  
1986 764 pp.

Obtain from: U.S. Department of the Interior, Fish and Wildlife Service, Federal Building, Twin Cities, MN 55111

*Long-term Changes in the Macrobenthos of Southern Lake Michigan*

By T.F. Nalepa  
1987 In Canadian Journal of Fisheries and Aquatic Science, Vol. 44, No. 3, pp. 515-524  
Obtain from: Great Lakes Environmental Research Laboratory, 2205 Commonwealth Blvd., Ann Arbor, MI 48105-1593.

*Loss of Lampricides by Absorption on Bottom Sediments*

By: V.K. Dawson, et al.  
1986 In Canadian Journal of Fisheries Aquatic Science, Vol 43, No. 8., pp. 1515-1520

Obtain from: Canadian Journal of Fisheries and Aquatic Sciences, Scientific Information and Publications Branch, 200 Kent St, Ottawa, Ont K1A 0E6, CANADA

*Mammals of the South Bass Island Region*

1985 GS-014 7 pp. \$1.00

Obtain from: Ohio Sea Grant College Program—see address list

*Management of the Biological Resources of the Lake Ontario Basin*

By: Douglas M. Carlson  
1973 264 pp

Obtain from: New York Sea Grant Institute—see address list

*Metabolism and Disposition of 1CDD in Rainbow Trout*

By: James M. Kleeman, et al.  
1986 11 pp. Free

Study shows that a steady dioxin contaminated diet would not in itself harm the growth of these trout. Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Metals and Essential Elements in Herring Gulls from the Great Lakes, 1983*

By: J. Struger  
1987 In Journal of Great Lakes Research, Vol. 13, No. 1., pp. 43-55

Obtain from: International Association of Great Lakes Research, University of Michigan, 2200 Bonisteel Blvd., Ann Arbor, MI 48109.

*Mid-Atlantic Artificial Reef Conference—A Collection of Abstracts*

See IB. Sportfishing.

*Midwater Fish Attractors*

See IB. Sportfishing.

*Movements of Rainbow Steelhead Trout in Lake Ontario and a Hypothesis for the Influence of Spring Thermal Structure*

See IB. Sportfishing.

*1986 Strategic Plan for Fish, Wildlife and Native Plant Resources in Minnesota, The*

20 pp.

Obtain from: Minnesota Department of Natural Resources, Box 25, DNR Bldg., 500 Lafayette Rd., St. Paul, MN.

*Observations of "Hydra" from a Submersible at Two Deepwater Sites in Lake Superior*

See IB. Sportfishing.

*On Juliar Reef*

See IB. Sportfishing.

*On The Relationships between Natural and Harvest Mortalities of the Mallard*

By: Yosef Cohen  
1986 6 pp.

This study shows that the intensity of mallard harvest is sensitive to the strength of compensation between natural mortality and harvest mortality. Obtain from: Minnesota Sea Grant Program—see address list.

*Our Great Lakes Connection: A Curriculum Guide for Grades Kindergarten Through Eight*

See IIA. Our Great Lakes Heritage.

*Pacific Salmon in the Great Lakes—the History and Future*

See IB. Sportfishing.

*Pathology of Sea Lamprey Inflicted Wounds on Rainbow Trout*

By: R. E. Kinnunen, et al.  
1986

Obtain from: Great Lakes Fishery Commission, 1451 Green Rd., Ann Arbor, MI 48105.

*Petersen-type Estimate of the Sea Lamprey Ammocoete *Petromyzon Marinus* Population in Fish Creek (New York State), A*

By: B.G.H. Johnson, et al.  
1986 Technical Report No. 5

Obtain from: The Sea Lamprey Control Centre, Sault Ste. Marie, Ont. P6A 1P0, CANADA.

*Plans of the Illinois Dunesland*

See IIIB. Wetlands.

*Population Characteristics of Adult Pink Salmon in Two Minnesota Tributaries to Lake Superior*

See IB. Sportfishing.

*Prey Identification Relating to the Great Lakes Sea Grant Network Salmonid Diet Study*

See IB. Sportfishing.

*Proceedings of the 1986 Green Bay/Fox River Research Symposium, The*

See IIIA. Great Lakes Urban and Natural Ecology.

*Rainbow Smelt Predation on Slimy Sculpin in Lake Ontario*

By: Stephen B. Brandt, et al.  
1986 In Journal of Great Lakes Research, Vol. 12., No.4, pp. 235-354

Obtain from: International Association of Great Lakes Research, University of Michigan, 2200 Bonisteel Blvd., Ann Arbor, MI 48109.

*Regional Impacts of Fishery Allocation to Sport and Commercial Interests—A Case Study of Ohio's Portion of Lake Erie*

See IB. Sportfishing

*Reproductive Success of Male Smallmouth Bass in Long Point Bay, Lake Erie*

See IB. Sportfishing.

*Results of the 1986 Spring Lake Trout Assessment in Management Units MI-2 and WI-2 of Lake Superior*

By: Charles R. Bronte  
1987 Assessment Report, 86-1 10 pp.

Obtain from: Red Cliff Band of Lake Superior Chippewas, Fisheries Department, PO Box 529, Bayfield, WI 54814.

*Return of the Grayling*

By: Frank W. Mainville  
July-Aug. 1987 Michigan Natural  
Resources, Vol. 56, No. 4, pp. 4-9

Obtain from: Michigan Natural Resources,  
Department of Natural Resources, Box 30034,  
Lansing, MI 48909.

*Role of Size Limits in Walleye Management, The*  
See IB. Sportfishing.

*Salmonid Age at Maturity*

By: D.J. Meesburg, editor  
1986 118 pp. \$12.00

Proceedings and papers of an international  
workshop held Sept. 25-28, 1984 in St. Andrews.  
Obtain from: Canadian Government Publishing  
Centre, Ottawa, Ont. K1A 0S9, CANADA.

*Sanctuaries for Lake Trout in the Great Lakes*

See IB. Sportfishing.

*Seasonal Movements and Habitats of Brown Trout*

See IB. Sportfishing.

*Some Applications of Remotely Operated Vehicles*  
*in Fisheries Science*

By: Richard E. Throne  
1986 6 pp.

Explains how remotely operated vehicles (ROVs)  
can aid in fisheries studies.

Obtain from: Washington Sea Grant Program—  
see address list.

*Status and Trend Highlights of Ohio's Lake Erie*  
*Fish and Fisheries (Data for 1977-1986)*

By: Ohio Department of Natural Resources,  
Division of Wildlife  
1987 25 pp.

Obtain from: Ohio Department of Natural  
Resources, Division of Wildlife, Lake Erie  
Fisheries Unit, PO Box 650, Sandusky, OH 44870.

*Stock Structure of Rainbow Smelt in Western Lake*  
*Superior: Biochemical Genetics*

See IB. Sportfishing.

*Study of Michigan Caspian Tern and Double*  
*Crested Cormorant Colonies in Lakes Huron,*  
*Michigan, and Superior*

See IIIA. Great Lakes Urban and Natural Ecology.

*Suitability of Coal-waste Blocks in the Freshwater*  
*Environment Lake Ontario*

See IB. Sportfishing.

*Summary of Chemical Use to Manage Sea*  
*Lamprey Petromyzon Marinus Population in*  
*Canada and New York State, 1958-1984*

By: J.G. Weise  
1985 Technical Report No. 4. 84 pp.

Obtain from: The Sea Lamprey Control Centre,  
Sault Ste. Marie, Ont. P6A 1P0, CANADA.

*Trout Biomass and Habitat Relationships in*  
*Southern Ontario Lakes*

By: James N. Bowlby, et al.  
1986 In American Fisheries Society Transac-  
tions, Vol. 115., No. 4. 2 pp.

Obtain from: American Fisheries Society, 5410  
Grosvenor Lane, Suite 110, Bethesda, MD 20814.

*User-resource Planning Framework for Offshore*  
*Recreational Artificial Reefs, A*

By: William R. Gordon Jr., et al.  
1986 27 pp.

This journal reprint shows past problems with  
artificial reef development and lays out a frame-  
work for planning future developments

Obtain from: Texas Sea Grant Program—see  
address list.

*Waterfowl Management and Harvesting*

By: Joe Lagow  
1970 Journal Reprint 5 pp.

Obtain from: Texas Sea Grant Program—see  
address list.

*Wildlife Project: Making a Fresh Water Aquarium*

By: Alvin C. Blake, et al.  
1979 6 pp.

Obtain from: Southern Regional 4-H Wildlife  
Literature Committee for National 4-H.

*Wisconsin Experimental Program for Satellite*  
*Image Mapping Using Thematic Mapper Data. The*

By: Thomas M. Lillesand, et al.  
1985 13 pp. To obtain companion map see  
"Map of Sturgeon Bay," IIIA- Maps

Illustrates the utility of satellite image mapping and  
introduces the layman to the general concept of the  
digital image and its flexibility for resource  
management purposes.

Obtain from: National Sea Grant Depository—see  
address list.

*Yellow Perch in Lake Erie*

See IB. Sportfishing.





#### IVA. Great Lakes Commerce

*Agriculture and the Seaway: From Field to Foreign Market*

By: Karen Plass, editor  
1986 58 pp. \$1.00

This describes and analyzes the decline in U.S. and Canadian grain exports related to the seaway system.

Obtain from: Minnesota Sea Grant Program—see address list.

*Cargo Carriers of the Great Lakes*

By: Jacques LesStrang  
1985 \$9.50

Obtain from: Harbor House Publishing Co., 221 Water St., Boyne City, MI 49712.

*Cargo Preference and Export Competitiveness in the Port of Duluth: A Survey of the Issue.*

By: Scott M. Hanson, et al.  
1987 RR-26 27 pp.

This paper considers the complex issues underlying the Federal policy of cargo preference and its effect on the Port of Duluth.

Obtain from Minnesota Sea Grant Program—see address list.

*Coastlines*

See IA. Boating.

*Directions of Change, "The*

By: Seaway Review Magazine  
Oct.-Dec., 1986 In Seaway Review,  
Vol. 15, No. 4, pp. 9, 11, 68, 96, 102-105

Shipping executives' views of the Great Lakes/St. Lawrence Seaway transportation system.

Obtain from: Harbor House Publishers, 221 Water St., Boyne City, MI 49712.

*Domestic Waterborne Trade of the United States—1984*

By: U.S. Department of Transportation  
1986 136 pp.

Obtain from: Maritime Administration, Office of Domestic Shipping, 400 7th St., SW., Washington, DC 20590.

*Duluth, Taconite Harbor, Silver Bay and Two Harbors, Minnesota, and Ashland and Superior Wisconsin*

By: U.S. Army Corps of Engineers  
1987 Port Series No. 49 62 pp. \$ 6.50

Includes 2 photomaps.

Obtain from: Water Resources Support Center, Port Series, Reports Casey Bldg., Fort Belvoir, VA 22060-5586.

*Excursion, Cruise and Passenger Ferry Service on the Great Lakes and St. Lawrence River*

By: Great Lakes Commission  
1987 \$ 4.50

Explains both the historical and current passenger services available in the Great Lakes system.

Obtain from: Great Lakes Commission, The Argus II Building, 400 S. Fourth St., Ann Arbor, MI 48103.

*Future of the Great Lakes - St. Lawrence Seaway System, The*

By: D.A. Leitch  
1986 Occasional Paper No. 21 77 pp. \$10.00

Obtain from: University of Manitoba Transport Institute, Winnipeg, Manitoba R3T 2N2, CANADA.

*Government Policies and Great Lakes Shipping Perspectives on U.S. and Canadian Agricultural and Maritime Policies*

1988 42 pp. \$2.00

Sea Grant conference proceedings; contains several criticisms toward the existing government policies on Great Lakes.

Obtain from: Minnesota Sea Grant Program—see address list.

*Governor's Conference On Lake Michigan— Illinois' Great Lake. Protecting and Developing a Valuable Natural Resource*

See IIA. Our Great Lakes Heritage.

*Grain Transportation on the Great Lakes— St. Lawrence Seaway*

By: Stanley R. Thompson, et al  
1982 MICHU-SG-82-501 55 pp.

Obtain from: Michigan Sea Grant College Program—see address list.

*Great Lakes—An Environmental Atlas and Resource Book, The*

See IIA. Our Great Lakes Heritage.

*Great Lakes Facts Brochures*

See IIA. Our Great Lakes Heritage

*Great Lakes Navigation Season*

By: Elwyn E. Wilson  
1986 7 pp.

Obtain from: National Oceanic Data Center, NOAA, Washington, DC 20235.

*Great Lakes Reporter, The*

See IIA Our Great Lakes Heritage

*Great Lakes Shipping: The Story of the Lakes' Vessel Industry*

1987 Free

A beginner's book about the Great Lakes fleet. Describes methods for loading and unloading, the types of products shipped, and life on the lakes. Obtain from: Lake Carrier's Association, 915 Rockefeller Building, Cleveland, OH 44113-1306.

*Great Lakes St. Lawrence System, The*

By: Jacques LesStrang  
1985 \$6.00

Obtain from: Harbor House Publishing Co., 221 Water St., Boyne City, MI 49712.

*Great Lakes Transportation in the Eighties*

By: Ronald L. Heilmann, et al.  
1986 100 pp. \$8.00

Examines the Great Lakes shipping industry in the context of recent economic changes in the region and how these changes have affected the flow of the major commodities shipped on the lakes.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*How Do People Use Lighthouses and Navigational Charts? A Marine Education Infusion Unit*  
See IA. Boating.

*Impact of Winter Navigation on Cross-Channel Transit of the Great Lakes—St. Lawrence Seaway System, The*

By: L. S. Reynolds, et al.  
1983 20 pp.

Obtain from: New York Sea Grant Institute—see address list.

*Indiana Portside*

By: The Indiana Port Commission  
Bimonthly 6 pp.

This newsletter contains current information on the three Indiana ports and the Indiana Port Commission.

Obtain from: Indiana Port Commission, 143 W. Market St., #204, Indianapolis, IN 46204; 1-800-233-PORT or 1-800-232-PORT.

*Is Great Lakes Shipping an Underutilized Economic Resource?*

By: Eugene F. Dice  
1983 MICHU-SG-83-500 33 pp.

Obtain from: Michigan Sea Grant College Program—see address list.

*Know Your Ships*

By: Thomas Manse  
1986 120 pp.

About vessels passing through the U.S. and Canadian Soo Locks.

Obtain from: Marine Publishing Co. Inc., PO Box 68, Sault Ste. Marie, MI 49783

*Lake Boats '87*

By: John O. Greenwood, et al.  
1987 140 pp. \$5.50

This lists all U.S. and Canadian lakes/seaway vessels including size, features, and ownership.

Obtain from: Freshwater Press, Inc., 1701 E. 12th St., Suite 3 K-W., Cleveland, OH 44114-3201.

*Lake Effect Impact of the Great Lakes on the Region's Economy, The*

By: The Center for the Great Lakes  
1984 24 pp. \$6.00 (\$5.00 each for orders of 10 or more)

Documents the value of the Great Lakes to the region's economy and presents recommendations to the region's leader in at least five major areas. Obtain from: The Center for the Great Lakes, 435 N. Michigan Ave., #1408 Chicago, IL 60611, Attn: Publications; (312)645-0901.

*Lakers, The*

See IIA. Our Great Lakes Heritage

*Listing of Vessels Passing Through the U.S. and Canadian Locks (Locks at Sault Ste. Marie)*

By: Thomas Manse  
1987 120 pp. \$5.95

Obtain from: Marine Publishing Co., PO Box 68, Sault Ste. Marie, MI 49783.

*Marine Careers Professional, Technical, Scientific*

Publications E-1336, E-1357, E-1355 \$0.30 each

Obtain from: Cooperative Extension Service, MSU Bulletin Office, 10-B Agriculture Hall, Michigan State University, East Lansing, MI 48824-1039

*Moving Government Goods on the Great Lakes - What an Increase Would Mean in Dollars and Jobs for the Region*

By: The Center for the Great Lakes  
1986 83 pp. \$10.00 (\$8 for orders of 10 or more)

A study of U.S. government cargo movements through the Great Lakes/St. Lawrence Seaway system and of the economic benefits of securing a larger share.

Obtain from: The Center for the Great Lakes, 435 N. Michigan Ave., #1408, Chicago, IL 60611, Attn: Publication.; (312)645-0901.

ERIC  
Full Text Provided by ERIC



*Newspaper clippings from the 5-county area of the Illinois-Indiana Lake Michigan region—1986 to present*  
See IA. Boating.

*Ohio's Lake Erie ports and Ohio River terminals, 1986-1987*

By: Ohio Department of Transportation  
1976 100 pp.

Obtain from: Ohio Department of Transportation, Division of Water Transportation, 25 Front St., Columbus, OH 43215.

*Our Great Lakes Connection: A Curriculum Guide for Grades Kindergarten Through Eight*  
See IIA. Our Great Lakes Heritage.

*Port of Chicago, Illinois, The*

By: U.S. Army Corps of Engineers  
1985 Port Series No. 46 125 pp. \$8.50

Includes 4 photomaps.

Obtain from: Water Resources Support Center, Port Series Reports, Casey Bldg. Fort Belvoir, VA 22060-5586.

*Preliminary Analysis of Season Extension and the Duluth-Superior Economy, A*

By: C. Ford Runge, et al.  
1986 37 pp.

Obtain from: Minnesota Sea Grant Program—see address list.

*St. Lawrence Seaway Authority, Annual Report 1986-1987*

By: St. Lawrence Seaway Authority  
1987 14 pp. English and French versions available

Obtain from: St. Lawrence Seaway Authority, 360 Albert St., Ottawa, Ontario K1R 7X7, CANADA.

*St. Lawrence Seaway Traffic Report for the 1986 Navigation Season, The*

By: St. Lawrence Seaway Development Corporation  
1987 87 pp.

Includes historical tables.

Obtain from: St. Lawrence Seaway Development Corp., PO Box 44090, Washington, DC 20026-4090, or St. Lawrence Seaway Authority, 360 Albert St., Ottawa, Ontario K1R 7X7, CANADA.

*Sault Ste. Marie Canal: A Chapter in the History of Great Lakes Transportation, The*

See IIA. Our Great Lakes Heritage.

*Seaway in the Year 2000: Conference Highlights, Duluth, Minnesota, June 10-12, 1985, The*

By: Howard Bell, editor  
1985 54 pp. \$1.00

This discusses the financial, construction, commodity, and policy issues which confront the seaway's future.

Obtain from: Minnesota Sea Grant Program—see address list.

*Seaway Review*

By: Jacques Les Strang  
Quarterly \$5.00

The international transportation business magazine of the Great Lakes/St. Lawrence Seaway region.

Obtain from: Harbor House Publishing, 221 Water St., Boyne City, MI 49712.

*Seiche, The*

See IA. Boating.

*Shipping on the Great Lakes*

By: K.N. Schlarb, et al.  
EP-013 Teacher guide/student workbook  
10 pp. each \$3.00

Illustrates cost and energy efficiency of cargo transport methods.

Obtain from: Ohio Sea Grant College Program—see address list.

*Shipping: The World Connection*

By: R.W. Fortner, et al.  
1987 EP-020 Teacher guide (16 pp.)  
and student workbook (16 pp.) \$3.00

Shows how locks work to move vessels through the Great Lakes.

Obtain from: Ohio Sea Grant College Program—see address list.

*Social Consequences of Maritime Technological Change*

By: Alastair Couper  
1985 17 pp. \$3.00

Obtain from: Washington Sea Grant Program—see address list.

*Tribute to the Great Lakes, A*

See IIIA. Great Lakes Urban and Natural Ecology

*21st Century: The Great Lakes/Seaway System, The*

By: Karen Plass and Nancy Berini, editors  
1988 30 pp. \$2.00

Obtain from: Minnesota Sea Grant Program—see address list.

*Upwellings*

See IA. Boating.

*Water Commerce of Indiana: A Profile of the State's Three Ports, The*

By: Seaway Review Staff  
1987 13 pp.

Obtain from: Harbor House Publishing Company,  
221 Water St., Boyne City, MI 49712.

*Water and the Michigan Economy: Estimating the Economic Value of Michigan's Fresh Water*

By: L. W. Libby, et al.  
1985 Report G. 1024-05 126 pp. \$10.00

Obtain from: Institute of Water Research,  
Michigan State University, 334 Natural Resources  
Bldg., East Lansing, MI 48824.

## IVB. The Economic Importance of Canals

*Comprehensive Development and Management Plan for the Illinois and Michigan Canal: Phase One*

By: Harland Bartholomew, et al.  
1972

Obtain from: Illinois Department of Transportation, 310 S. Michigan, Room 606, Chicago, IL 60604.

*Erie Water West: A History of the Erie Canal 1792-1854*

See IIB. The History of Canals in the Midwest.

*History of the Illinois-Michigan Canal*

By: La Salle County Conservation Association  
1962

Obtain from: LaSalle County Conservation  
Association or government documents library.

*Indiana's Canal Heritage*

See IIB. The History of Canals in the Midwest.

*Interim Report on Comprehensive Development Planning for Illinois and Michigan Canal*

By: Illinois and Michigan Canal Task Force  
1973

Obtain from: Illinois and Michigan Canal Task  
Force, Illinois Department of Transportation, 310  
S. Michigan, Chicago, IL 60604.

*Ohio Canal Era*

See IIB. The History of Canals in the Midwest.

*Reconnaissance Survey. Illinois and Michigan Canal*

By: US Department of Interior, National Park  
Service

Obtain from: National Park Service, Intericr  
Building, C Street, NW, Washington, DC 20240,  
or government documents library.

## IVC. Commercial Fishing

*Action for the Eighties ... and Beyond -Vol. 1, A Strategic Plan for Illinois Fisheries Resources, FY87-FY91*

See IB. Sportfishing.

*Alewife, Rainbow Smelt and Native Fishes in Lake Michigan: Competition or Predation?*

By: Larry B. Crowder  
1980 Journal Reprint 9 pp.

Obtain from: University of Wisconsin Sea Grant  
Institute—see address list.

*Antitrust Laws and Integration in the Seafood Industry*

By: Kevin Davis  
1981 In *Integration: Promises and Problems in the Northwest Seafood Industry*, by Rodner Winget, pp. 133-139.

Obtain from: Oregon Sea Grant College  
Program—see address list.

*Beautiful Ship: A Story of the Great Lakes, The*

By: John B. Prescott  
1952

Story of a fisherman's family during the sea  
lamprey invasion.

Obtain from: Local library

*Biological and Commercial Catch Statistics from the Intertribal Fishery in Michigan Waters of Lake Superior*

By: M.P. Ebener, et al.  
1986 Administrative Report 87-4 17 pp.

Obtain from: Great Lakes Indiana Fish and  
Wildlife Commission, Biological Services  
Division, PO Box 9, Odanah, WI 54861.

*Bisulfite Suppression of Fish Aromas*

By: David B. Josephson, et al.  
1983 Journal Reprint 4 pp.

Obtain from: University of Wisconsin Sea Grant  
Institute—see address list.

*Catalog of Marine Fisheries Legislation in New York State, A*

By: Jay Ginter  
1974 83 pp.

Obtain from: New York Sea Grant Institute—see  
address list.

*Character Displacement and Habitat Shift in a Native Cisco in Southeastern Lake Michigan: Evidence for Competition?*

By: Larry B. Crowder  
1984 Journal Reprint 6 pp.

Obtain from: University of Wisconsin Sea Grant  
Institute—see address list.

*Chemical Basis of Fresh Fish Aroma Deterioration During Refrigerated Storage*

By: Gudrun Olafsdottir  
1985 2 pp.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Commercial Fisheries Newslines*

By: Ronald Kinnunen, editor  
Quarterly 8 pp.

Provides information on relevant regulations, events, opportunities and workshops for Great Lakes commercial fishing and aquaculture industries.

Obtain from: District Sea Grant Agent, Michigan State University, Upper Peninsula, Extension Center, 1030 Wright St, Marquette, MI 49855.

*Commercial Fisherman's Guide to Marine Insurance and Law, A*

By: Dennis W. Nixon  
1984 40 pp.

Obtain from: Rhode Island Sea Grant College Program—see address list.

*Commercial Freezing of Freshwater Fish*

By: A. Estes Reynolds, et al.  
1980 4 pp. \$0.40

Obtain from: Cooperative Extension Service, MSU Bulletin Office, 10-B Agriculture Hall, Michigan State University, East Lansing, MI 48824-1039.

*Comparative Sensory Analysis of Aquacultured and Wild Yellow Perch Fillets*

By: Robert Clarence Lindsay  
1980 Journal Reprint 7 pp.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Competition for Open-Access Resources: A Class Exercise that Demonstrates the Tragedy of the Commons*

By: B.C. Johnson, et al.  
1986 Journal Reprint 5 pp. Free

Contains a computer exercise that shows students how the commercial fishing industry tends to overfish the resources unless it is cooperatively managed.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Delayed Mortality Following Transport of Lake Erie Freshwater Drum Captured in Shore Seines*

By: Michael Thomas Metcalf  
1984 TB-001 59 pp. \$7.00

Obtain from: Ohio Sea Grant College Program—see address list.

*Development of Products From Underutilized Species—Battered and Breaded Smelt*

By: Robert Carl Baker, et al.  
1979 15 pp.

Obtain from: New York Sea Grant Institute—see address list.

*Discoloration Problems in Mechanically Deboned Fish*

By: Carlos A. Jauregui, et al.  
1980 Journal Reprint 2 pp.

Obtain from: New York Sea Grant Institute—see address list.

*Discrimination of Fish and Seafood Quality by Consumer Populations*

By: J. B. Weason, et al.  
1979 Journal Reprint 5 pp.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Distribution and Abundance of Rainbow Smelt in Western Lake Superior as Determined from Acoustic Sampling*

By: B. G. Heist, et al.  
1984 Journal Reprint 11 pp.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Distribution and Elimination of a Polychlorinated Biphenyl after Acute Dietary Exposure in Yellow Perch and Rainbow Trout*

By: Patrick D. Guiney, et al.  
1980 Journal Reprint 8 pp.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Educational Needs of the US Commercial Fishing Industry—A Report to the United States Senate by the National Sea Grant Program NOAA*

By: Warren E. Yasso  
1980 75 pp.

Obtain from: NOAA, National Sea Grant College Program—see address list.

*Effects of Food Abundance on Larval Lake Whitefish*

See III.C. Wildlife and Waterfowl.

*Efficacy of Potassium Sorbate and Other Preservatives in Preventing Toxigenesis in Modified Atmosphere Packaged Fresh Fish*

By: Robert A. Seward  
1982 3 pp.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Environmental Regulatory Programs Affecting the Seafood Processing Industry in the 1980's*

By: Jack L. Cooper  
1980 FLSGP-W-80-001 338-352 pp.

Obtain from: Florida Sea Grant College Program—see address list.

*Enzymic Generation of Volatile Aroma Compounds from Fresh Fish*

By: David B. Josephson, et al.  
1986 19 pp. Free

Explains what causes fish to smell spoiled.  
Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*EPA's Regulatory Activities Affecting the Seafood Processing Industry*

By: William H. Cloward  
1980 FLSGP-W-80-001 pp. 301-302

Obtain from: Florida Sea Grant College Program—see address list.

*Ethanol Accumulations in Muscle Tissue as a Chemical Indicator of Fish Spoilage*

By: Stephen D. Kelleher, et al.  
1983 Journal Reprint 6 pp.

Obtain from: New York Sea Grant Institute see address list.

*Evidence of Natural Reproduction by Stocked Lake Trout in Lake Ontario*

See IB. Sportfishing.

*Extending Shelf-Life of Fresh Wet Red Hake and Salmon Using CO<sub>2</sub>-O<sub>2</sub> Modified Atmosphere Potassium Sorbate Ice at 1 degree C.*

By: M. S. Fey, et al.  
1982 Journal Reprint 7 pp.

Obtain from: New York Sea Grant Institute—see address list.

*Fecundity of Hatchery and Wild Lake Trout in Lake Superior*

See IB. Sportfishing.

*Feeding Ecology and Vertical Migration of Adult Alewives in Lake Michigan*

See IB. Sportfishing.

*Final Report — NOAA 2-35364 Application of Computer Technology and Advanced Physical Distribution Techniques to Seafood Marketing*

By: Donald Mulvihill  
1974

Obtain from: National Sea Grant Depository—see address list.

*Fish Spawning Grounds in Wisconsin Waters of the Great Lakes*

By: Catherine Coberly, et al.  
1982 43 pp.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Fish in Lake Michigan: Distribution of Selected Species*

See IB. Sportfishing.

*Fish of Lake Michigan*

See IB. Sportfishing.

*Fish: Low in Calories, High in Nutrition*

See IB. Sportfishing.

*Fisheries Education: From the Great Lakes to the Sea*

See IB. Sportfishing.

*Fisheries Law Enforcement: Programs, Problems, and Evaluation.*

By: Jun G. Sutinen, et al.  
1985 237 pp. \$5.00

Proceedings of a workshop on fisheries law enforcement.

Obtain from: Rhode Island Sea Grant College Program—see address list.

*Fisherman - The News Journal of the Freshwater Fisheries. The*

By: The Marine Publishing Co.  
Monthly 20 pp. \$10.00 (12 issues)

This journal covers the production, distribution, and sales of products from the Great Lakes including stories on local issues facing commercial fisherman.

Obtain from: The Marine Publishing Co., 623 Washington St., PO Box 658, Grand Haven, MI 49417.

*Fishery Waste Management in the Great Lakes*

By: David A. Stuibler  
1980 FLSGP-W-80-001 96-101 pp.

Obtain from: Florida Sea Grant College Program—see address list.

*Fishes of Ohio*

See IB. Sportfishing.

*Fishes of Wisconsin*

See IB. Sportfishing.

ERIC  
Full Text Provided by ERIC



*Fishing Vessel Safety*

By: Tad Kowalski  
\$4.00

This report covers safety topics of interest to commercial fishermen such as safe gear handling and liability issues.

Obtain from: Rhode Island Sea Grant College Program—see address list.

*Food Resources as Viewed by Commercial Fish Processing*

By: Lowell A. Wakefield  
1970 ORESU-W-70-001 40-41 pp.

Obtain from: Oregon Sea Grant College Program—see address list.

*Great Lakes—An Environmental Atlas and Resource Book, The*

See IIA. Our Great Lake. Heritage.

*Great Lakes Fishes—A-H Fact Sheets*

See IB. Sportfishing.

*Green Bay's Yellow Perch Fishery*

By: Clifford Kraft  
1982 10 pp.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*How to Hang a Gill Net*

By: Jim Bahen, et al.  
1980 11 pp.

Obtain from: North Carolina Sea Grant College Program—see address list.

*Impacts of Socioeconomic and Demographic Factors on Household Expenditure for Disaggregate Fish and Shellfish in the US*

By: Hsiang-tai Chen  
1985 3 pp.

Obtain from: Virginia Sea Grant College Program—see address list.

*Implementing Multiobjective Management of Commercial Fisheries: A Strategy For Policy—Relevant Research*

By: Richard C. Bishop, et al.  
1981 In Economic Analysis for Fisheries Management Plan 22 pp.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Indiana Fish and Wildlife Regulations*

See IB. Sportfishing.

*Indiana Fish and Wildlife Code Book*

See IB. Sportfishing.

*Industry's Role at the Interface of Regulatory Promulgation and Action*

By: Roy E. Martin  
1980 FLSGP-W-80-001, pp. 338-352

Obtain from: Florida Sea Grant College Program—see address list.

*International Convention on Great Lakes Fisheries*

See IB. Sportfishing.

*International Conference on Design, Construction, and Operation of Commercial Fishing Vessels*

By: John C. Sainsbury, et al.  
1985 Conference proceedings reprint. See entries FLSGP-Z-85-006-045 for individual papers, 497 pp.

Obtain from: Florida Sea Grant College Program—see address list.

*Life History, Abundance, and Potential Harvest of Carp from Michigan Waters of the Great Lakes*

See IB. Sportfishing.

*Marketing the Fish You Catch*

By: Jon M. Conrad  
1982 6 pp.

Obtain from: New York Sea Grant Institute—see address list.

*National Pesticide Monitoring Program: Organochlorine Residues in Freshwater Fish, 1976-79*

By: Christopher J. Schmitt, et al.  
1983 62 pp.

Obtain from: U.S. Fish and Wildlife Service, Office of Biological Services, 18th and C Streets, NW, Washington, DC 20240.

*New York Commercial Fisheries Update*

Monthly Newsletter  
Obtain from: New York Sea Grant Institute—see address list.

*Newspaper clippings from 5-county area of the Illinois-Indiana Lake Michigan region—1986 to present*

See IA. Boating.

*On Julian's Reef*

See IB. Sportfishing

*Optimal Fishery Management in the Presence of Illegal Activity*

By: Scott R. Millimar  
1986 19 pp. Free

Explores the impact of illegal fishery activity and enforcement costs on optimal resource utilization  
Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Our Changing Fish Species History*  
See IIC. Wildlife and Waterfowl.

*Overfishing or Pollution? Case History of a Controversy on the Great Lakes*

By: Frank N. Egerton  
1985 28 pp.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Physical Design of Fish Processing Ovens*

By: Min-nan Huange  
1981 AKU-W-81-0027 22 pp.

Obtain from: Alaska Sea Grant College Program—see address list.

*Population or Stock Structure of Lake Whitefish, in Northern Lake Michigan*

By: Mark Imhof, et al.  
1980 Journal Reprint 11 pp.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Population Statistics, Yield Estimates, and Management Considerations for Two Lake Whitefish Stocks - Lake Michigan*

By: Mark P. Ebener, et al.  
1985 Journal Reprint 14 pp.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Potential for Minced Fish, The*

By: J. Regenstein  
1986 6 pp.

Obtain from: New York Sea Grant Institute—see address list.

*Principles and Innovations in Commercial Fishing Gear*

By: Jerry E. Jurkovich  
1981 ORESU-W-81-001 pp. 23-32

Obtain from: Oregon Sea Grant College Program—see address list.

*Profile of the Michigan Commercial Fisherman, A*

By: Craig K. Harris  
1982 MICHU-SG-82-205 73 pp. \$5.00

Obtain from: Michigan Sea Grant College Program—see address list.

*Quality Control in the Food Industry*

By: J. David Baldock  
1977 VPI-H-77-002, pp. 1-11-14

Obtain from: Virginia Sea Grant College Program—see address list.

*Red Cliff Commercial Fishery Statistics for the Wisconsin Waters of Lake Superior, Fisheries 1986*

By: Red Cliff Band of Lake Superior Chippewas  
1986 34 pp.

Obtain from: Fisheries Department, PO Box 529, Bayfield, WI 54814.

*Regional Impacts of Fishery Allocation to Sport and Commercial Interests: A Case Study of Ohio's Portion of Lake Erie*

See IB. Sportfishing.

*Relative Cancer Risks of Chemical Contaminants in the Great Lakes*

See IB. Sportfishing.

*Review of Effects of Carbon Dioxide on Microbial Growth and Food Quality, A*

By: James A. Daniels, et al.  
1985 Journal Reprint 6 pp.

Explains how carbon dioxide can be used in seafood packaging to retard spoilage, which is one of the big problems in the seafood industry.

Obtain from: New York Sea Grant Institute—see address list.

*Safety At Sea—A Guide for Fishing Vessel Owners and Operators*

By: DeWayne Hollin  
1982 38 pp.

Obtain from: Texas Sea Grant College Program—see address list.

*Sanitary Standards under the Department of Commerce Voluntary Seafood Inspection Program*

By: Charles Neal  
1978 VPI-0-78-001, pp. IV-12-19

Obtain from: New York Sea Grant Institute—see address list.

*Sea Grant Publications for the Fishing Industry*

1984 106 pp.

Obtain from: Rhode Island Sea Grant College Program—see address list.

*Seafood Retailing Manual*

By: Robert J. Price  
1985 81 pp. \$4.00

Obtain from: California Sea Grant College Program—see address list.

*Shelf-life Extension of Fresh Fish, The*

By: Joe M. Regenstein, et al.  
1981 Conference Report Reprint 8 pp.

Obtain from: New York Sea Grant Institute—see address list.



*Simple Method for Evaluating Textural Changes of Frozen Fish Minces, A*

By: Dietrich Knorr, et al.  
1983 Journal Reprint 2 pp.

Obtain from: New York Sea Grant Institute—see address list.

*Some Applications of ROVs in Fisheries Science*  
See IIC. Wildlife and Waterfowl.

*Special Fishery Management Issue of the Wisconsin Natural Resources Magazine*

By: J. Worried Taylor  
1983 55 pp.

Obtain from: Wisconsin Department of Natural Resources, 101 S. Webster, Madison, WI 53703.

*Species Interactions and Community Structure of Fishes in Lake Michigan*

By: Larry B. Crowder  
1981 7 pp.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Spell of the White Sturgeon, The*  
See IIA. Our Great Lakes Heritage

*Sport and Commercial Fishing Conflicts: A Theoretical Analysis*

By: Richard C. Bishop, et al.  
1980 14 pp.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Stock Structure of Rainbow Smelt in Western Lake Superior: Biochemical Genetics*

See IB. Sportfishing.

*Survival from Sea Lamprey Predation by Two Strains of Lake Trout*

See IB. Sportfishing.

*Synthesis of Knowns, Unknowns, and Policy Recommendations from the Sea Lamprey International Symposium*

By: Carl J. Walters, et al.  
1980 Journal Reprint 7 pp.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Tax Management for Commercial Fishermen*

By: Norman K. Bender  
1981 22 pp.

Obtain from: Connecticut Sea Grant Program—see address list.

*Thermal Habitat Partitioning by Fishes in Lake Michigan*

By: Stephen B. Brandt, et al.  
1980 Journal Reprint 8 pp.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Today's Trash Fish—Tomorrow's Best Sellers?*

By: Robert C. Baker, et al.  
1982 Journal Reprint 5 pp.

Obtain from: New York Sea Grant Institute—see address list.

*Toxic Materials and their Effects on Marine Resources—Abstracts of Papers*

1979 20 pp.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Upwellings*

See IA. Boating.

*Using New Measures to Define Shelf Life of Fresh Whitefish*

By: W. F. Sharp Jr., et al.  
1986 5 pp.

Free

Describes various ways to extend the shelf life of packaged whitefish and the effect that each method has on taste.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Waste Water Treatment in Commercial Fish Processing: Reducing Stick Water Loadings*

By: David A. Stuibler et al.  
1972 18 pp.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*What is Fish Quality?*

By: Joe M. Regenstein  
1983 Journal Reprint 3 pp.

Obtain from: New York Sea Grant Institute—see address list.

*Yellow Perch in Lake Erie*

By: Charles E. Verdendorf, et al.  
1980 TS-001 7 pp. \$2.00

Obtain from: Ohio Sea Grant College Program—see address list.

## IVD. Marine Industry

*Access to Waters and Underwater Lands for Aquaculture in New York*

By: Milton Kaplan  
1984 173 pp.

Obtain from: New York Sea Grant Institute—see address list.

*Aquaculture: A New Industry for Illinois and Indiana*

By: Stephen W. Waite, et al.  
1984 10 pp. Free

Obtain from: Illinois-Indiana Sea Grant Program—see address list.

*Aquaculture Development in New York State—Final Report*

1985 93 pp.

Obtain from: New York Sea Grant Institute—see address list.

*Aquaculture 1980—A Digest of Research in the Sea Grant Program*

By: Cuyvers, et al.

Obtain from: University of Delaware Sea Grant College Program—see address list.

*Aquaculture Organizations, Publications and Resource*

By: M.L. Gross, et al.  
1987 2 pp. Free

Obtain from: Minnesota Sea Grant Program—see address list.

*Assessment of the Competitive Position of Great Lakes Ports in the International Steam Coal Market*

By: David Senf et al.  
1986 77 pp.

Obtain from: Minnesota Sea Grant Program—see address list.

*Boat and Motor Dealer*

Monthly Magazine.

Obtain from: Van Zeyern, Inc., 3949 Oakton St., Skokie, IL 60076; (312)982-1810.

*Boat Shows in Annapolis, Gauging the Economic Impacts*

By: Anthony J. Fedler, et al.  
1987 7 pp.

Studies the economic value of boat shows with focus on the attendance, and spending patterns of show patrons and exhibitors.

Obtain from: Maryland Sea Grant Program—see address list.

*Boating Facilities Planner*

Quarterly

Obtain from: National Marine Manufacturers Association, 401 N. Michigan Ave., Chicago, IL 60611; (312)836-4747.

*Cargo Preference and Export Competitiveness in the Port of Duluth: A Survey of the Issues*

See IVA. Great Lakes Commerce.

*Case Study I—Industrial Shoreline Development—Focus: Fuel Power Plant*

1975 NYSGI-W-75-001, pp. 277-283

Obtain from: New York Sea Grant Institute—see address list.

*Charter Industry Trade News*

Bimonthly magazine 60 pp.

Obtain from: Charter Industry Services, PO Box 95539, Hoffman Estates, IL 60195-0539; (312)310-6750.

*Coastlines*

See IIA. Our Great Lakes Heritage.

*Corps of Engineers Regulatory Program The*

By: James E. Caruth  
1981 AKU-W-81-001, pp. 209-213

Obtain from: Alaska Sea Grant College Program—see address list.

*Culture of Nonsalmonid Freshwater Fishes Yellow Perch*

By: Roy C. Heidinger, et al.  
1986 11 pp. Free

This reviews the biological characteristics relevant to the culture of perch including spawning, larval development, feeding and growth.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Curriculum in Marine Science—Electronic Technology*

By: Ted Boaz, et al.  
1971 82 pp.

Obtain from: Del Mar College, Baldwin & Ayers, Corpus Christi, TX 78404

*Coastal Zone Management Information Exchange*

See IIA. Our Great Lakes Heritage.

*Directions of Change, The*

See IVA. Great Lakes Commerce.

*DNR, ORA and Future Funding Arrangements Needed to Promote Marine Development, The*

By: Donald Beghin  
1971 WISCU-WA-71-002 5-10 pp.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Duluth, Taconite Harbor, Silver Bay and Two Harbors, Minnesota; and Ashland and Superior, Wisconsin.*

See IVA. Great Lakes Commerce.

*Economic Analysis of Commercial Hatchery Production of Sturgeon*

By: Katherine J. Shigekawa, et al.  
1985 14 pp.

This addresses the economic factors associated with commercial production of the white sturgeon. Obtain from: National Sea Grant Depository—see address list.

*Environmental Impacts of Marinas and Their Boats*

By: Neil W. Ross  
1985 7 pp.

Conference proceedings session. Obtain from: Rhode Island Sea Grant College Program—see address list.

*Excursion, Cruise and Passenger Ferry Service on the Great Lakes and St. Lawrence River.*

See IVA. Great Lakes Commerce.

*Exploration and Assessment of Offshore Sand and Gravel, Western Lake Michigan*

By: Carol J. Welkie, et al.  
1982 Journal Reprint 63 pp.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Financing for Aquaculture in Minnesota*

By: M.L. Gross, et al.  
1987 Fact sheet

Obtain from: Minnesota Sea Grant Program—see address list.

*Fish Farming in Wisconsin*

By: Peyton Smith  
1983 TS-039 Journal Reprint 4 pp.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Fish Farming—Is it for You?*

By: Frank R. Lichtkoppler  
1986 FS-039 2 pp. Free

Contains a checklist for those contemplating the business of fish farming. Questions cover economic, physical, and production factors, and risks. Obtain from: Ohio Sea Grant College Program—see address list.

*Government Policy and Great Lakes Shipping. Perspectives on U.S. and Canadian Agricultural and Maritime Policies*

See IVA. Great Lakes Commerce.

*Great Lakes—An Environmental Atlas and Resource Book, The*

See IIA. Our Great Lakes Heritage.

*Great Lakes Charterboat Fishing Industry, The*

By: Great Lake Sea Grant Network  
1985 91 pp.

These selected papers from the Great Lakes Sea Grant Network Charterboat Fishing Workshop, 1985 focus on the importance of the economic impacts, marketing, and management.

Obtain from: New York Sea Grant Institute—see address list.

*Great Lakes Facts Brochures*

See IIIA. Great Lakes Urban and Natural Ecology.

*Great Lakes—Overseas General Cargo Traffic and Port Hinterlands*

1976 WISCU-B-76-00, pp. 135-176

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Growth Responses of Crop Plants to Fish Soluble Nutrients Fertilization*

By: L. H. Aung, et al.  
1984 80 p.

Relates to using fish processing wastes as fertilizer. Obtain from: Virginia Sea Grant College Program—see address list.

*Guide to Backyard Aquaculture in Florida*

By: Donald W. Foy, et al.  
1987 49 pp. \$ 2.00

This describes water quality concerns, design and construction of small scale systems, appropriate species, regulations and others aspects of backyard fish culture.

Obtain from: Florida Sea Grant College Program—see address list.

*Handbook for Waterborne Transportation of Hazardous Materials and Waste*

By: Cornelia Ann Burr, et al.  
1985 53 pp.

Obtain from: Mississippi-Alabama Sea Grant Consortium—see address list.

*Handling Fishery Wastes and By-products Fish Liquefaction: An Alternative to the Present Waste Handling Practices*

By: David S. Uiber, et al.  
1986 42 pp.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Hazards of Tank Ships and Barges Transporting Petroleum Products on the Great Lakes, The*

By: J. Philip Keillor

1980 Journal Reprint 18 pp.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*HELM: Happenings and Educational Activities Around Lakes Michigan, The*

See IA. Boating.

*Hybrid Striped Bass Culture: Status and Perspective*

By: R. Hodson, et al.

1987 105 pp. Free

The ten papers in this publication cover every aspect of hybrid culture from the hatchery stage to processing and marketing.

Obtain from: University of North Carolina Sea Grant College Program—see address list.

*Ice Strengthening of Great Lakes Bulk Carriers*

By: Movses J. Kaldjian, et al.

1982 MICHU-SG-82-200 27 pp. \$2.00

Obtain from: Michigan Sea Grant College Program—see address list.

*Illinois Aquaculture Industry: Its Status and Potential*

1986 150 pp.

Obtain from: Division of Marketing, Illinois Department of Agriculture, State Fairgrounds, PO Box 4906, Springfield, IL 62708; (217)782-4583.

*Impact of State and Local Taxation on Industrial Location: A New Measure for the Great Lakes Region, The*

By: W. Douglas Morgan, et al.

1974 Journal Reprint 11 pp.

Obtain from: California Sea Grant College Program—see address list.

*Indiana Portside*

See IVA. Great Lakes Commerce.

*Institutional Trade, The*

By: Marvin Spira

1975 WISCU-W-75-001 3-5 pp.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Introduction to Aquaculture in Minnesota*

By: Mark Gross, Anne Kapuscinski, and David Landkamer

1987 2 pp. Free

Obtain from: Minnesota Sea Grant Program—see address list.

*Literature Review of the Environmental Impacts of Marinas and their Boats*

By: Gail L. Chimura, et al.

1978 39 pp.

Obtain from: Rhode Island Sea Grant College Program—see address list.

*Littoral Drift*

See IA. Boating.

*Making it Easier to Land a Waterfront Job*

1975 ORESU-Q-75-0001 66-67 pp.

Obtain from: Oregon Sea Grant College Program—see address list.

*Managing to Catch People, An Educator's Guide for Helping Charter Enterprises*

By: Bruce DeYoung

1986 150 pp.

Obtain from: New York Sea Grant College Program—see address list.

*Marina Operators Input into Marine Technical Training*

By: Larry Booth

1979 FLSGP-W-79-001 38-39 pp.

Obtain from: Florida Sea Grant College Program—see address list.

*Marina Rate Structure Survey*

By: Robert D. Espeseth

1979 23 pp.

Obtain from: Illinois-Indiana Sea Grant Program—see address list.

*Marine Insurance Guide: A Checklist of Insurable Hazards Common to Boat Owners, Dealers, Marinas...*

By: Samuel Snow, et al.

1971 11 pp.

Geared towards boat builders, boat service agencies, dry dock and boat repair, and marine service stations.

Obtain from: National Sea Grant Depository—see address list.

*Marine Mechanics Career Training at Clover Park Educational Center*

By: G. James Capelli

1977 WASHU-P-77-001, pp 81-82, WASHU P-77-002

Obtain from: Washington Sea Grant Program—see address list.

*Marine Related Careers*

By: Frank Lichtoppler

1988 FS-012 2 pp.

Obtain from: Ohio Sea Grant College Program—see address list.



*Marine Technician Training*

By: Leonard Mitchell, et al.

1974 DELU-Q-74-001, pp. 14

Obtain from: Delaware Sea Grant College Program—see address list.

*Marine Technician Training Program*

By: Ken K. Kamimura

1974 HAWAU-P-74-001, pp. 104-105 pp.

HAWAU-P-74-002, pp. E32-E36

Obtain from: University of Hawaii Sea Grant College Program—see address list.

*Marine-Related Occupations: A Primer for High School Students*

By: Prentice K. Stout, et al.

1977 15 pp.

Obtain from: New York Sea Grant Institute—see address list.

*MIT Sea Grant Marine Industry Collegium—A Technology Transfer Partnership of Industry, Academia and Government, The*

By: Dean A. Horn

1983 4 pp.

Obtain from: Massachusetts Institute of Technology Sea Grant—see address list.

*Moving Government Goods on the Great Lakes - What an Increase Would Mean in Dollars and Jobs for the Region*

See IVA. Great Lakes Commerce.

*National Sea Grants on Marinas and Recreational Boating Topics*

By: Neil W. Ross, et al.

1985 54 pp.

Obtain from: Rhode Island Sea Grant College Program—see address list.

*Newspaper clippings from 5-county area of the Illinois-Indiana Lake Michigan region—1986 to present*

See IA. Boating.

*Ocean Engineering—Marine Transportation (Education and Training)*

By: John W. Devanney, III

1972 MIT-Q-72-001, pp. 17-18

Obtain from: Massachusetts Institute of Technology Sea Grant Program—see address list.

*Ohio's Lake Erie ports and Ohio River terminals, 1986-1987*

See IVA. Great Lakes Commerce.

*Penaid Shrimp Culture in the United States: A Brief Overview Stressing Species, Seed Production and Grow Out*

By: Addison L. Lawrence, et al.

1987 11 pp.

Outlines methodologies involved in shrimp mariculture in the U.S. thru late 1983.

Obtain from: National Sea Grant Depository—see address list.

*Petroleum Transport on the Great Lakes*

By: Robert M. Scher

1979 79 pp.

Obtain from: Michigan Sea Grant College Program—see address list.

*Port of Chicago, Illinois, The*

See IVA. Great Lakes Commerce.

*Proceedings of Second National Boating Facilities Conference*

By: Andrew T. Manus

1979 CUIMR-Z-79-001-G16.

Obtain from: California Sea Grant College Program—see address list.

*Professional Marine Careers*

1979

Describes professional marine careers in the fields of environmental affairs, business, industry, consultation, educative engineering, merchant marine, fine arts, government and general occupations.

Obtain from: Michigan Sea Grant College Program—see address list.

*Public and Private Rights in Coastal Areas—Chapter 5*

By: Ronald W. Merritt

1977 NCU-B-77-002, pp. 1-112

Obtain from: North Carolina Sea Grant Program—see address list.

*Regulation of Bulk Hazardous Cargoes on the Great Lakes*

By: Robert I. Reis, et al.

1983 17 pp.

Obtain from: New York Sea Grant Institute—see address list.

*Regulations that Apply to Aquaculture in Minnesota*

By: David Landkamer, Mark Gross, and Anne Kapuscinski

1988 13 pp.

Free

Obtain from: Minnesota Sea Grant Program—see address list.

*Relations of Port Development and Urban Waterfront Revitalization, The*

By: John Armstrong, et al.  
1981 103 pp.

Obtain from: South Carolina Sea Grant Consortium—see address list.

*Restaurant Trade and Lake Perch Aquaculture, The*

By: Robert Follett  
1975 WISCU-W-75-001 1-2 pp.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Salmonid-Based Charter Boat Fishing Operations on Lake Ontario: A Description and Status Report*

By: Michael P. Voiland  
1982 7 pp.

Obtain from: New York Sea Grant Institute—see address list.

*Scientific Marine Careers*  
1979

Describe careers in the fields of biology, chemistry, geology, social science and general science.

Obtain from: Michigan Sea Grant College Program—see address list.

*Seiche, The*

See IA. Boating.

*So You Want To Be a Seafood Dealer?*

By: Jerald Horst, et al.  
1987 17 pp.

Helps potential seafood business investors to understand the supply, market, and capital needed.

Obtain from: Louisiana Sea Grant College Program—see address list.

*State and Local Restrictions on Siting Coastal Aquaculture Facilities in New York*

By: Milton Kaplan  
1984 159 pp.

Obtain from: New York Sea Grant Institute—see address list.

*Supply of Rented Recreational Boats in New York State*

By: Miklos Gratzner, et al.  
1975 NYSGI-P-75-001, pp. 101-104

Obtain from: New York Sea Grant Institute—see address list.

*Tank Spawning of Yellow Perch*

By: Graden R. West  
1977 WISCU-W-77-001, pp. 55-57

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Technical Marine Careers*

1979

Careers include ship/boat building, commercial fishing, offshore mining and petroleum operating, port activity, marina and marine dealers.

Obtain from: Michigan Sea Grant College Program—see address list.

*Towards a Balanced Perspective...Boat Sewage*

By: Neil W. Ross  
1985 4 pp.

A conference proceedings session.

Obtain from: Rhode Island Sea Grant—see address list.

*Tribute to the Great Lakes, A*

See IIIA. Great Lakes Urban and Natural Ecology.

*Twine Line*

See IA. Boating.

*Undergraduate Training in Marine Technology-on-the-Job*

By: Norman E. Anderson, et al.  
1971 CUIMR-Q-71-001 17-20 pp.

Obtain from: California Sea Grant College Program—see address list.

*Underwater Copper Exploration in Lake Superior 2: Specific Targets Charted in 1974*

By: Robert Paul Meyer, et al.  
1975 16 pp.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Unique Degree Program for the Shipbuilding Industry, A*

By: Jacob Edwin Thomas, et al.  
1974 8 pp.

A conference proceedings session.

Obtain from: Mississippi-Alabama Sea Grant Consortium—see address list.

*Unit Train/Great Lakes Bulk Cost Comparison / Bulk Cargo, Cost Analysis, Marine Terminals, Railroads, Ships, St. Lawrence Seaway*

By: Edward A. Beimbom, et al.  
1977 Journal Reprint 10 pp.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Upwellings*

See IA. Boating.





*Using a Social Carrying Capacity Model to Estimate the Effects of Marina Development at the Apostle Islands National Lakeshore*

By: Thomas A. Heberlein, et al.  
1986 18 pp.

This research focuses on a policy question: what will be the effects of additional marina slips on boating experience at the Apostle Island National Lakeshore.

Obtain from: National Sea Grant Depository—see address list.

*Water Commerce of Indiana: A Profile of the State's Three Ports, The*

See IVA. Great Lakes Commerce.

*Wisconsin Aquaculture Plan*

By: Clyde Amundson  
1987

This state aquaculture plan reviews the status and examines the potential of fish farming in Wisconsin.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

#### IVE. Recreation Economics

*Access to Great Lakes Salmonid Fishing Via Private Lands: A Study of New York's Riparian Landowners*

By: Tommy L. Brown, et al.  
1979 Journal reprint 8 pp.

Obtain from: New York Sea Grant Institute—see address list.

*Angler Use and Harvest in the Pere Marquette River Near Baldwin, Michigan*

By: K.M. Krueger, et al.  
1985 Michigan Academician, quarterly journal of the Michigan Academy of Science, Arts and Letters, Vol. 17., No. 3, pp. 317-330

Obtain from: Michigan Academy of Science, Arts, and Letters, Toumy House, 2117 Washtenaw Ave., Ann Arbor, MI 48104.

*Behavior Patterns of Divers Visiting the Alger Bottomland Preserve*

By: Ronald E. Kinnunen, et al.  
1987 9 pp. Free

Presents the results of the 1986 Michigan Recreational Diving Survey conducted at the Alger Underwater Preserve.

Obtain from: Ron Kinnunen, U.P. Extension Center, 1030 Wright St., Marquette, MI 49855.

*Boat Shows in Annapolis, Gauging the Economic Impact*

See IVD. Marine Industry.

*Charter Boat Operator Study 1987*

By: Jack Gray, et al.  
1985 48 pp.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Chicago Park District Annual Report*

Free  
Obtain from: Chicago Park District, 425 E. McFetridge Dr., Chicago, IL 60605; (312)294-2200.

*Coastal Fishing Access: Needs and New Initiatives*

By: Michael P. Voiland, Jr.  
1984 Conference proceedings pp. 97-104

Obtain from: New York Sea Grant Institute—see address list.

*Coastal Zone Management Information Exchange*

See IIA. Our Great Lakes Heritage.

*Coastlines*

See IA. Boating.

*Cobbler's Cove: A Simulation of Coastal Planning*

By: Sandor Schulman, et al.  
1980 8 pp.

This is one section of a 6-part set of activities for youth.

Obtain from: New York Sea Grant Institute—see address list.

*Courtesy is Contagious: Guidelines for Improving Your Tourism Hospitality Skills*

By: Chad P. Dawson, et al.  
1986 11 pp. Free

This booklet shows how an employer in different types of tourist facilities (restaurants, gas stations) can make a tourist feel welcome.

Obtain from: Illinois-Indiana Sea Grant Program—see address list.

*Creating Lively Waterfronts—An Urban Recreation Workshop*

1984 Journal reprint  
Obtain from: Virginia Sea Grant College Program—see address list.

*Current Use of Water Surface Zoning for Recreation*

By: Tommy L. Brown, et al.  
1979 Journal Reprint 8 pp.

Obtain from: New York Sea Grant Institute—see address list.

*Doing the Dunes*

By: Jean Komaiko, et al.  
1974 232 pp.

Obtain from: Indiana Dunes National Lakeshore,  
1100 N. Mineral Springs Rd., Porter, IN 46304;  
(219)926-7561.

*Duel for the Dunes, Land Use Conflict on the  
Shores of Lake Michigan*

See IIA. Our Great Lakes Heritage.

*Economic Contribution of Lake Erie Sport Fishing  
to Ohio, The*

By: Leroy J. Hushak  
1985 TS-014 6 pp. \$2.00

Obtain from: Ohio Sea Grant College Program—  
see address list.

*Economic Contribution of Ohio's Lake Erie  
Charter Boat Industry, The*

By: Leroy J. Hushak  
1985 TS-013 8 pp. \$2.00

Obtain from: Ohio Sea Grant College Program—  
see address list.

*Economic Impact of an Annual Tourism Industry  
Exposition*

By: William Gartner, et al.  
1983 Journal Reprint 14 pp.

Obtain from: Michigan Sea Grant College  
Program—see address list.

*Economic Impact of Lake Erie on Northern Ohio*

By: Leroy J. Hushack, et al.  
1983 TS-005 8 pp. \$2.00

Obtain from: Ohio Sea Grant College Program—  
see address list.

*Economic Impact of the Winthrop Harbor/Zion  
Marina*

By: Warren Wood  
1985 120 pp.

Obtain from: Lake County, Illinois, Economic  
Development Commission, 18 N. County St.,  
Waukegan, IL 60085; (606)451-3651.

*Economic Value of Lake Erie Sport Fishing to  
Private-Boat Sport Anglers*

By: Leroy J. Hushak, et al.  
1984 TS-012 11 pp. \$2.00

Obtain from: Ohio Sea Grant College Program—  
see address list.

*Economic Value of Recreational Boating on Lake  
Erie, The*

By: Kenneth A. Wenner  
1982 TB-005 10 pp. \$2.00

Obtain from: Ohio Sea Grant College Program—  
see address list.

*Economic and Social Impact of a Developing  
Salmonid Sport-Fishery: The Case of the 1978  
Rochester-Lake Ontario Derby, The*

By: Michael P. Voiland  
1979 Journal Reprint 3 pp.

Obtain from: New York Sea Grant Institute—see  
address list.

*Estimating the Value of Variations in Anglers'  
Success Rates: An Application of the Multiple-site  
Travel Cost Method*

By: Carl C. Samples, et al.  
1986 20 pp. \$6.75

This is an estimation method measuring sport  
fishermen's evaluation of changes in fishing  
quality.

Obtain from: University of Wisconsin Sea Grant  
Institute—see address list.

*Excursion, Cruise and Passenger Ferry Service on  
the Great Lakes and St. Lawrence River*

See IVA. Great Lakes Commerce.

*Expenditures of Anglers Fishing in New York's  
Great Lakes Water*

By: Chad Dawson  
1986 8 pp.

This is a summary of a survey of 38,000 anglers,  
designed to measure sportfishing effort, angler  
harvest, and the trip expenditures of anglers.

Obtain from: New York Sea Grant Institute—  
see address list.

*Family Guide to Minnesota's North Shore. A*

By: Nancy Hereid and Eugene Gennaro  
1986 43 pp. \$3.95

Obtain from: Minnesota Sea Grant Program—see  
address list.

*Financing Boating With Tax Dollars: Trends and  
Alternatives in New York State*

By: Tommy L. Brown  
1979 30 pp.

Obtain from: New York Sea Grant Institute—see  
address list.

*Foss Park Marina, North Chicago, Illinois. A  
Report to Lieutenant Governor Ryan*

By: Warren Wood  
1985 40 pp.

Obtain from: Lake County Economic Develop-  
ment Commission, 18 N. County St., Waukegan,  
IL 60085.

*Getting Coastal Permits: Regulatory Programs on  
New York's Great Lakes Coast*

See IIIA. Great Lakes Urban and Natural Ecology

*Governor's Conference on Lake Michigan-Illinois' Great Lake: Protecting and Developing a Valuable Natural Resource, A*  
See IIA. Our Great Lakes Heritage.

*Grand Hotel, Mackinac Island, Michigan, 1887-1987*

By: John McCabe  
1987 274 pp. \$29.95

Obtain from: Wayne State University Press, 5959 Woodward Ave., Detroit, MI 48202.

*Great Lakes Charter Boat Fishing*

By: Lynn Frederick  
1987 2 pp.

Explains how to select a charter boat, discover local fishing opportunities, and prepare for your experience.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Great Lakes Charterboat Fishing Industry, The*  
See IVD. Marine Industry.

*Great Lakes—An Environmental Atlas and Resource Book, The*

See IIA. Our Great Lakes Heritage.

*Great Lakes Facts Brochures*  
See IIIA. Wetlands.

*Great Lakes Guidebook, The*  
See IIA. Our Great Lakes Heritage.

*Great Lakes Recreation—Tourism Futurescapes*

By: Francis M. Domoy  
1981 31 pp.

Obtain from: New York Sea Grant Institute—see address list

*Great Lakes Reporter, The*  
See IIA. Our Great Lakes Heritage.

*Great Lakes Travel and Living*

By: Great Lakes Publishing Co.  
Monthly \$ 23.90 (Annual subscription)

This magazine focuses on activities and places for recreation and tourism in the region.

Obtain from: Great Lakes Publishing Co., PO Box 423, Mt. Morris, IL 61054.

*Great Lakes Vacation, A*

By: M. L. ... et al.  
1987 EP-024 Teacher guide (14 pp.) and student workbook (8 pp.) \$3.00

Students learn how the resources of the Lake region create attractive recreation opportunities. (can be used with optional computer activity)

Obtain from: Ohio Sea Grant College Program—see address list.

*Harbor Rehabilitation and Recreational Development in Racine, Wisconsin*

By: Leonard Ziolkowski, et al.  
1987 8 pp.

Obtain from: County Executive, Racine County, 730 Wisconsin Ave., Racine, WI 53403.

*HELM: Happenings and Educational Activities Around Lake Michigan, The*

See IA. Boating.

*How Citizens Can Influence Legislation in Michigan*

By: Gary Chilson, et al.  
1982 E-1553 12 pp. \$1.10

Obtain from: Cooperative Extension Service, MSU Bulletin Office, 10-B Agriculture Hall, Michigan State University, East Lansing, MI 48824-1039.

*Illinois Beach State Park*

By: Site Superintendent  
1986 2 pp.

This brochure gives information about the parks facilities and natural history.

Obtain from: Illinois Beach State Park, Zion, IL 60099; (312)662-4811.

*Imagining the Future at Niagara Falls*

By: Patrick McGeevy  
1987 15 pp.

Obtain from: Great Lakes Commission, Argus II Building, 400 S. Fourth St., Ann Arbor, MI 48103.

*Impacts of Recreation and Tourism on the Local Economy: Case Studies for Minocqua, Woodruff and Algoma*

By: S. J. Bubul, et al.  
1978 165 pp.

Obtain from: Recreation Resources Center, University of Wisconsin—Extension, Ag. Bulletin Bldg., Rm. 245, 30 Murray, Madison, WI 53715.

*Indiana Marina Market and Economic Study*  
1986 125 pp.

Obtain from: Lake Michigan Marina Development Commission, 8149 Kennedy Ave., Highland, IN 46322; (312)731-2646 or (219)923-1118.

*Inventory of Emerging Great Lakes Recreational Businesses in Wisconsin*

By: Karen Plass  
1987 31 pp. Free

Includes inventory of ferries, excursion boats, charters, sailing, schools and names of businesses providing the services.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Investing in Lake Forest's Future, A Report to the Residents of Lake Forest*

1986 12 pp.

This report contains information on a well-built and cost-effective set of erosion protection breakwaters.

Obtain from: The City of Lake Forest, 220 E. Deerpath, Lake Forest, IL 60045.

*Lake County, Indiana Visitor*

By: The Lake County Convention & Visitor's Bureau  
Yearly 10 pp. Free

This visitors guide and map contains a calendar of festivals, highlights of parks, recreation and sports activities, history, sightseeing, shopping and other information.

Obtain from: Lake County Convention & Visitor's Bureau, 5800 #N, Merrillville, IN 46410; (219)980-1617.

*Lake Effect: Impact of the Great Lakes on the Region's Economy, The*

See IVA. Great Lakes Commerce.

*Lake Huron Recreation and Weather*

By: Martha W. Deline, et al.  
1983 MICHU-SG-82-102 56 pp. Free

This describes the recreation and weather along Lake Huron's shore.

Obtain from: Michigan Sea Grant College Program—see address list.

*Lake Michigan Angler: A Wisconsin Profile*

By: Karl C. Sample, et al.  
1981 WIS-SG-81-42359 pp.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Lake Michigan Circle Tour*

By: West Michigan Tourist Association  
Annual 51 pp. Free

This booklet contains maps, addresses, general suggestions and advertisements of attractions and accommodations along the Circle Tour as it passes through the four states bordering Lake Michigan.

Obtain from: West Michigan Tourists Association, 136 E. Fulton, Grand Rapids, MI 49503; (616)456-8551.

*Lake Michigan Marina Development Commission Annual Report 1987*

By: The Lake Michigan Marina Development Commission  
1987 12 pp. Free

This report gives the history, membership, past meeting logistics, city descriptions, finance and mission of the Commission.

Obtain from: Lake Michigan Marina Development Commission, 8149 Kennedy Ave., Highland, IN 46322; (312)731-2646 or (219)923-1060.

*Lake Michigan Monitor*

See IIA. Our Great Lakes Heritage

*Lake Michigan Shoreline Concept Plan*

By: Tom Hernandez, et al.  
198 10 pp.

Obtain from: Lake County, Illinois Planning Department, 18 N. County St., Waukegan, IL 60085; (312)731-2646.

*Land Use and the Law*

By: Larry R. McCormick, et al.  
1984 NYSGI-B-84-001, pp. 79-84

Obtain from: New York Sea Grant Institute—see address list.

*Little Calumet River Project, 1983 Annual Status Report*

1984 21 pp.

Obtain from: Little Calumet River Basin Development Commission, 8149 Kennedy Ave., Highland, IN 46322; (219)923-1118 or (312)360-6350.

*Littoral Drift*

See IA. Boating.

*Long Blue Edge of Summer, The*

By: Dorris Scharfenburg  
232 pp. \$9.95 (add \$1.25 per book for shipping. 6% sales tax for Ohio residents)

A tour of the 3000 mile Michigan coastline.  
Obtain from: The Great Lakes Bookseller, 108 W. Perry St., Port Clinton, OH 43452.

*Marina Development Plan*

1980 117 pp.

Obtain from: Lake Michigan Marina Development Commission, 8149 Kennedy Ave., Highland, IN 46322; (312)731-2646 or (219)923-1118.

*Marine Recreation: Uses of Green Bay: A Study of Human Behavior and Attitude Patterns*

By: Robert B. Dittus, et al.  
1972

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

*Methodology for Estimating the Economic Impact of Sportfishing Tournaments, A*

By: Michael J. Ellerbrock, et al.  
1984 27 pp.

Obtain from: Florida Sea Grant College Program—see address list.

*Michigan Great Lakes Recreational Boating—A Synthesis of Current Information*

By: Daniel J. Stymes, et al.  
1982 86 pp. \$5.00

Obtain from: Michigan Sea Grant College Program—see address list.

*Navy Pier, A Vision for the Future: The Mayor's Navy Pier Task Force Report*  
1985 66 pp.

Obtain from: City of Chicago, Department of Economic Development, 20 N. Clark, Chicago, IL 60602.

*New York Recreational Boating Survey*

By: Tommy L. Brown, et al.  
1977 75 pp.

Obtain from: New York Sea Grant Institute—see address list.

*New York State Seaway Trail Information Packet*

By: Seaway Trail Inc.

Yearly Free

This packet contains various publications about the New York Seaway trail.

Obtain from: Seaway Trail, Inc., Poucher Hall #202, State University of New York, Oswego, NY 13126; 1-800-36-SEAWY (in NY) or 24-SEAWY (outside NY).

*New York State Seaway Trail Annual Report*

By: Seaway Trail Inc.

Yearly 10 pp. Free

This annual report gives the membership list, accomplishments, committee reports, and balance sheet of Seaway Trail, Inc.

Obtain from: Seaway Trail, Inc., Poucher Hall, #202, State University of New York, Oswego, NY 13126; 1-800-36-SEAWY (N.Y) or 1-800-24-SEAWY (Others).

*New York State Supplement to Coastal Problems and Resource Management*

See IA. Our Great Lakes Heritage.

*New York's Great Lakes Recreational Weather*

By: David G. White, et al.

1986 6 pp. \$0.85

This gives insight into seasonal weather patterns and offers a summary of weather information.

Obtain from: New York Sea Grant Institute—see address list.

*Newspaper clippings from 5-county area of the Illinois-Indiana Lake Michigan region--1986 to Present*

See IA. Boating.

*1986 Recreational Diving Activity in Michigan Bottomland Preserves*

By: Jon P. Peterson

1987 12 pp. Free

This describes the bottomland preserve diver activity across the state and provides data that could be applied to local marketing and development efforts.

Obtain from: Cooperative Extension Service, PO Box 599, Tawas City, MI 48764.

*1987 Michigan Harbors Guide*

Contains aerial photos and other information about Michigan's public recreational harbors.

Obtain from: County Extension Office, Rm. 101, Ottawa County Bldg., Grand Haven, MI 49417; (616) 8250.

*1987 Survey of Charterboat Operators on Southern Lake Michigan*

By: Diane Samdahl

1988 34 pp. \$1.00

This contains data and analysis on characteristics of Illinois and Indiana charterboat operators, their business, customers, potential growth and impact on local tourism economics.

Obtain from: Illinois-Indiana Sea Grant Program—see address list.

*Norfolk Harborfest '86: Tenth Anniversary Analysis*

By: Jon A. Lucy, et al.

1986 68 pp.

This is an analysis of the 1986 Norfolk's Harborfest which demonstrates that the festival continues to provide a quality family-oriented recreational event.

Obtain from: Virginia Sea Grant College Program—see address list.

*North Point Marina, Illinois Beach State Park Feasibility Study—Main Report*

1985 57 pp.

Obtain from: State of Illinois, Department of Conservation, PO Box 401, Winthrop Harbor, IL 60096; (312)746-2845.

*North Shore Drive of Lake Superior: Vacation Travel and Accommodation Guide*

By: Lake Superior North Shore Association

Yearly 8 pp. Free

This gives detailed maps and mileage on various attractions, lodgings, and restaurants along a section of the Lake Superior Circle Tour that winds from Duluth to Sault Ste. Marie.

Obtain from: Lake Superior North Shore Association, PO Box 159, Duluth, MN 55801.

*North Shore's Travel Tourism Industry and Its Market Segments, The*

By: Uel Blank, et al.

1984 99 pp.

Obtain from: Minnesota Sea Grant Program—see address list.

*Outdoor Highlights*

Semi-monthly

Obtain from: Illinois Department of Conservation, Lincoln Tower Plaza, 524 South 2nd St., Springfield, IL 62706; (217)782-7454.

*Outdoor Indiana*

Monthly

Obtain from: Indiana Department of Natural Resources, 612 State Office Bldg., Indianapolis, IN 46204.

*Outdoor Recreation in Illinois: 1985-1986 Action Program*

24 pp.

Obtain from: Illinois Department of Conservation, Planning Division, Lincoln Tower Plaza, 524 S. 2nd St., Springfield, IL 62706; (217)782-3715.

*Outdoor Recreation in Illinois: The 1988 Policy Plan*

1988

Obtain from: Illinois Department of Conservation, Division of Planning, Lincoln Tower Plaza, 524 South 2nd St., Springfield, IL 62706, (217)782-3715.

*Plan for the Duluth Downtown Waterfront, A*

By: Department of Planning and Development  
1985 48 pp.

This report discusses the history, current situation, plans and implementation considerations for 8 sectors of the waterfront.

Obtain from: City of Duluth, Minnesota.

*Private-Boat Walleye Angling in the Ohio Waters of Lake Erie: An Economic Evaluation*

By: Jane Marie Winslow  
1982 TB-008 185 pp. \$20.00

Obtain from: Ohio Sea Grant College Program—see address list.

*Profile of 1986 Diver Activity in the Thunder Bay Bottomland Preserve, A*

By: Jon P. Peterson, et al.  
1987 9 pp. Free

This report summarizes survey information collected during the 1986 diving season at Thunder Bay.

Obtain from: Cooperative Extension Service, PO Box 599, Tawas City, MI 48764.

*Profile of Great Lakes Diver Activity, Travel and Expenditure Patterns, A*

By: Jon Peterson, et al.  
1987 18 pp. Free

These results of the 1987 survey of Michigan and Midwest scuba divers relate destinations, money spent, and type and frequency of dive trips. Includes a computer model to project diver expenses.  
Obtain from: Cooperative Extension Service, PO Box 599, Tawas City, MI 48764.

*Property Stewardship: Getting Involved in Community Development*

By: Stephen Lopez  
1981 16 pp.

Obtain from: New York Sea Grant Institute—see address list.

*Public Trust Doctrine in England and America, The*

By: W. Keith Kavenagh  
1980 NYSGI-T-80-004, pp. 185-210

Obtain from: New York Sea Grant Institute—see address list.

*Recreation and Weather Guide to the Minnesota Shore of Lake Superior*

See IA. Boating.

*Regional Economics of Michigan's Salmonid Program: Does a \$20 Million Fishery Really Make a Difference?*

By: Tommy L. Brown  
1982 Symposium Proceedings, pp. 125-128

Obtain from: New York Sea Grant Institute—see address list.

*Regional Impacts of Fishery Allocation to Sport and Commercial Interests: A Case Study of Ohio's Portion of Lake Erie.*

By: Leroy J. Hushak, et al.  
1986 RS-065 8 pp. Free

Economic impact comparison study between sportfishing and commercial fishing.

Obtain from: Ohio Sea Grant College Program—see address list.

*Regulating Urban Waterfront Structures*

By: Milton Kaplan, et al.  
1981 11 pp.

Obtain from: New York Sea Grant Institute—see address list.

*Rise of Lake Ontario's Charterboat Industry: Some Indications of the Socioeconomic Impact of a Developing Salmonid Fishery, The*

By: Michael P. Voiland  
1983 5 pp.

Obtain from: New York Sea Grant Institute—see address list.

*Satellite Image Map of Northeastern Illinois*

See IIIA. Great Lakes Heritage. (Maps and Charts)

*Scuba Diving the Minnesota Shore of Lake Superior*

See ID. Other Water Sports and Safety.

*Seiche, The*

See IA. Boating.



***Selected Annotated Bibliography: Coastal Resource Management***

By: Hamann Richard

1987 82 pp. (also on IBM disk - \$5)

This is a coastal resource management bibliography.

Obtain from: Florida Sea Grant College Program—see address list.

***Shipping on the Great Lakes***

See IVA. Great Lakes Commerce.

***Shorefront Fishing in New York City***

By: Charles Heatwole, et al.

1985 20 pp.

A survey of New York city urban fishermen shows what city and state fisheries managers should know to increase their fishing access.

Obtain from: New York Sea Grant Institute—see address list.

***Singing Sands Almanac***

Newsletter that contains the current events happening on Indiana's lakeshore.

Obtain from: Friends of Indiana Dunes National Lakeshore, 1100 N. Mineral Springs Rd., Porter, IN 46304; (219)926-7561.

***Social Carrying Capacity for Boating at Apostle Island National Lakeshore***

By: Thomas A. Heberlein, et al.

1983 85 pp.

Obtain from: University of Wisconsin Sea Grant Institute—see address list.

***Southern Lake Michigan Sportfishery: Angler Profiles and Specialization Index for Illinois and Indiana***

See IB. Sportfishing.

***Spending Patterns and Economic Impacts of Michigan Registered Boat Owners***

By: Daniel J. Stynes, et al.

1983 MICHU-SG-83-210 102 pp. \$5.00

Obtain from: Michigan Sea Grant College Program—see address list.

***Staging a Renaissance on the Waterfront***

By: Mitchell L. Moss

1980 Journal Reprint 16 pp.

Obtain from: New York Sea Grant Institute—see address list.

***Strategy to Export Salmonids and Import Dollars in Northeast Ohio, A***

By: Frank R. Lichtkoppler, et al.

1984 TS-008 6 pp. \$2.00

Obtain from: Ohio Sea Grant College Program—see address list.

***Supply of Rented Recreational Boats in New York State***

By: Miklos Gratzner, et al.

1975 NYSGI-P-75-001, pp. 101-104

Obtain from: New York Sea Grant Institute—see address list.

***Travel, Tourism, and Outdoor Recreation in the Great Lakes States: A Statistical Profile***

By: Great Lakes Commission

1989 60 pp. \$10.00

Obtain from: Great Lakes Commission, The Argus II Building, 400 S. Fourth St., Ann Arbor, MI 48103.

***Tribute to the Great Lakes, A***

See IIA. Our Great Lakes Heritage.

***Trust Doctrine, The Colonial Patents, and the New York State Courts, The***

By: W. Keith Kavenagh

1980 NYSGI-T-80-004, pp. 211-246

Obtain from: New York Sea Grant Institute—see address list.

***Tips on Serving Patrons with Special Needs***

By: Linda L. Parks

1985 8 pp. \$0.50

This fact sheet was developed to assist the tourist/hospitality industry in addressing the needs of the disabled patron in order to better serve them.

Obtain from: New York Sea Grant Institute—see address list.

***Twine Line***

See IA. Boating.

***Upwellings***

See IA. Boating.

***Value of Recreational Boating and Fishing in the Central Basin of Ohio's Portion of Lake Erie, The***

By: Nilima Dutta

1984 TB-018 105 pp. \$12.00

Obtain from: Ohio Sea Grant College Program—see address list.

***Vision for Illinois Recreation and Tourism Future, A***

By: Governor's Statewide Task Force on Recreation & Tourism

1987 33 pp. Free

This report presents an exciting vision of Illinois' potential as a major tourism state including financing strategies.

Obtain from: Illinois Department of Conservation, Comprehensive Planning Section, 524 South 2nd St., Springfield, IL 62706; (217)782-3715.

*Using a Social Carrying Capacity Model to Estimate the Effects of Marina Development at the Apostle Islands National Lakeshore*

By: Thomas A. Heberlein, et al.

1986 18 pp.

This research focuses on a policy question: what will be the effects of additional marina slips on the boating experience at the Apostle Island National Lakeshore.

Obtain from: National Sea Grant Depository—see address list.

*Water Works! A Survey of Great Lakes Waterfront Development on U.S. and Canadian Shores*

1986 32 pp.

Obtain from: The Center for the Great Lakes, 435 N. Michigan Ave., Suite 1408, Chicago, IL 60611; (312)645-0901.

*Water and the Michigan Economy: Estimating the Economic Value of Michigan's Fresh Water*

See IVA. Great Lakes Commerce.

*Waterfront Festivals: Catalysts for Maritime Heritage and Waterfront Redevelopment*

Discusses the importance and benefits of waterfront festivals.

Obtain from: Virginia Sea Grant College Program—see address list.

ERIC  
Full Text Provided by ERIC

## Sea Grant Program Contacts for Obtaining Publications, Software, and Audiovisuals in this Guide

**Alaska Sea Grant College Program**  
Communications Office  
138 Irving II  
Fairbanks, AK 99775-5040

**California Sea Grant College Program**  
Communications Office  
University of California, A-032  
La Jolla, CA 92093-0232

**University of Southern California  
Sea Grant Program**  
Communications Office  
University Park  
Los Angeles, CA 90089-1231

**Connecticut Sea Grant Program**  
Communications Office  
University of Connecticut  
Avery Point  
Groton, CT 06340

**University of Delaware Sea Grant  
College Program**  
Communications Office  
University of Delaware  
263 E. Main St.  
Newark, DE 19716

**Florida Sea Grant College Program**  
Communications Office  
Florida Sea Grant Extension  
Building 803, Room 3  
University of Florida  
Gainesville, FL 32611-0341

**University of Georgia Sea Grant  
College Program**  
Communications Office  
Ecology Building  
Athens, GA 30602

**University of Hawaii Sea Grant  
College Program**  
Communications Office  
1000 Pope Rd., Room 200  
Honolulu, HI 96822

**Illinois-Indiana Sea Grant Program**  
Communications Office  
University of Illinois  
65 Mumford Hall  
1301 W. Gregory Dr.  
Urbana, IL 61801

**Louisiana Sea Grant College Program**  
Communications Office  
Center for Wetlands Resources  
Louisiana State University  
Baton Rouge, LA 70803-7507

**University of Maine Sea Grant College Program**  
Communications Office  
Marine Advisory Program  
30 Coburn Hall  
University of Maine  
Orono, ME 04469

**Maryland Sea Grant College Program**  
Communications Office  
H.J. Patterson Hall  
University of Maryland  
College Park, MD 20742

**Massachusetts Institute of Technology  
Sea Grant College Program**  
Communications Office  
292 Main St., E38-300  
Cambridge, MA 02139-9910

**Massachusetts Woods Hole Oceanographic  
Institute Sea Grant Program**  
Communications Office  
Woods Hole, MA 02543

**Michigan Sea Grant College Program**  
Communications Office  
The University of Michigan  
2200 Bonisteel Blvd.  
Ann Arbor, MI 48109-2099

**Michigan Sea Grant College Program  
Sea Grant Extension**  
334 Natural Resources Building  
Michigan State University  
East Lansing, MI 48824-1222

**Minnesota Sea Grant Program**  
Communications Office  
116 COB, 1994 Buford Ave.  
St. Paul, MN 55108

**Minnesota Sea Grant Program  
Sea Grant Extension Office**  
208 Washburn Hall  
University of Minnesota-Duluth  
Duluth, MN 55812

**Mississippi-Alabama Sea Grant Consortium**  
Communications Office  
PO Box 7000  
Ocean Springs, MS 39564-7000

**National Sea Grant Depository**  
Publications Coordinator  
Pell Library Building  
University of Rhode Island  
Bay Campus  
Narragansett, RI 02882

**University of New Hampshire**  
**Sea Grant Program**  
Communications Office  
Institute of Marine Science and Ocean Engineering  
Marine Programs Building  
University of New Hampshire  
Durham, NH 03824

**New Jersey Sea Grant Extension Service**  
Communications Office  
Building #22  
Sandy Hook Station  
Fort Hancock, NJ 07732

**New York Sea Grant Institute**  
Communications Office  
State University of New York  
Dutchess Hall  
Stony Brook, NY 11794-5001

**NOAA National Sea Grant College Program**  
Communications Office  
6010 Executive Blvd., Room 826  
Rockville, MD 20852

**University of North Carolina Sea Grant**  
**College Program**  
Communications Office  
North Carolina State University  
PO Box 8605  
Raleigh, NC 27695-8605

**Ohio Sea Grant College Program**  
Communications Office  
The Ohio State University  
1314 Kinnear Rd.  
Columbus, OH 43212-1194

**Oregon Sea Grant College Program**  
Communications Office  
AdS A402  
Oregon State University  
Corvallis, OR 97331

**University of Puerto Rico Sea Grant Program**  
Communications Office  
RUM-UPR  
PO Box 5000  
Mayaguez, PR 00709-5000

**Rhode Island Sea Grant College Program**  
Communications Office  
University of Rhode Island  
Bay Campus  
Narragansett, RI 02882-1197

**South Carolina Sea Grant Consortium**  
Communications Office  
287 Meeting St.  
Charleston, SC 29401

**Texas Sea Grant College Program**  
Communications Office  
Marine Information Service  
PO Box 1675  
Galveston, TX 77553-1675

**Virginia Sea Grant College Program**  
Communications Office  
Madison House, 170 Rugby Rd.  
University of Virginia  
Charlottesville, VA 22903

**Washington Sea Grant College Program**  
Communications Office  
University of Washington  
3716 Brooklyn Ave., NE  
Seattle, WA 98105

**University of Wisconsin Sea Grant Institute**  
Communications Office  
1800 University Ave.  
Madison, WI 53705





To order additional copies contact:  
Illinois-Indiana Sea Grant Program  
Communications Office  
University of Illinois  
65 Mumford Hall  
1301 W. Gregory Drive  
Urbana, IL 61801  
Phone: 217-333-9448

END

U.S. Dept. of Education

Office of Education  
Research and  
Improvement (OERI).

ERIC

Date Filmed

March 29, 1991