

# NATIONAL SEA GRANT DEPOSITORY PUBLICATION TRANSMITTAL SHEET

ILIN-E-95-002 C2

Originating Sea Grant Program:

Illinois-Indiana Sea Grant Program

Title:

Zebra Mussel Mania Traveling Trunk Teacher Resource Portfolio

Publication Number:

ILIL-SG-95-2b

Sea Grant Project Number:

Price: \$35.00 ☐ no charge

Shipping/Handling \$ included

Discounts (if applicable) \_\_\_\_\_

Availability:

☒ your Sea Grant program

☒ **only** on loan from the Depository

☐ **publisher;** address: \_\_\_\_\_

☐ other: \_\_\_\_\_

Abstract : Please insert the abstract in the following space or attach a separate sheet; annual reports, newletters, publication lists, program directories and documents that already include an abstract, i.e., journal reprints, are exempt.

The teacher resource portfolio, which accompanies the Zebra Mussel Mania Traveling Trunk, contains information on zebra mussels and other nonindigenous species. This information is contained in various pamphlets, brochures, fact sheets, and videos.

NSGD HAS  
1 Archive  
copy only

MINNESOTA SEA GRANT  
EXOTIC AQUATICS  
TRAVELING TRUNK REQUEST FORM

Name: \_\_\_\_\_

Organization: \_\_\_\_\_

Address: \_\_\_\_\_

Phone #: \_\_\_\_\_

Fax #: \_\_\_\_\_

E-mail: \_\_\_\_\_

Please indicate dates that you would like to reserve  
the **Exotic Aquatics** Traveling Trunk. Include  
several alternates.

\_\_\_\_\_  
\_\_\_\_\_

.Mail or Fax to:- Minnesota Sea Grant  
Exotic Species information Center  
2305 East Fifth Street  
Duluth, MN 55812-1445  
Phone: (218) 726-8712  
Fax: (218) 726-6556  
djensen@mes.umn.edu



**Exotic Aquatics LENDING CENTERS**

**IOWA**

Effigy Mounds National Monument, Harpers Ferry

**MICHIGAN**

isle Royale National Park, Houghton

Michigan Sea Grant College Program, East Lansing

Sleeping Bear Dunes National Lakeshore, Empire

**MINNESOTA**

Lake Superior Center, Duluth

Minnesota Sea Grant Program, Duluth

University of Minnesota Bell Museum of Natural History,  
Minneapolis

Voyageurs National Park, International Falls

**WISCONSIN**

St. Croix National Scenic Riverway, St. Croix Falls

Brochure Project Coordinator: Linda Aylsworth\_  
Writers: Robin Goettel and Marie Sales  
Photographers: Ken Moran and Robin Goettel

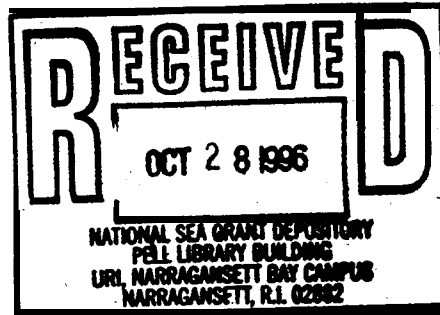
MN-SG-X38

MINNESOTA SEA GRANT AND  
ILLINOIS-INDIANA SEA GRANT  
PRESENT:

EXOTIC AQUATICS  
&  
ZEBRA  
. MUSSEL  
MANIA



TRAVELING TRUNKS



Illinois-Indiana Sea Grant and Minnesota Sea Grant are part of the National Sea Grant  
Program, which is funded by the National Oceanic and Atmospheric Administration.

ZEBRA MUSSELS, WHICH INVADED NORTH AMERICA IN 1988, HAVE CAUSED SERIOUS ECONOMIC AND ENVIRONMENTAL PROBLEMS. THEY ARE RAPIDLY SPREADING BEYOND THE GREAT LAKES REGION INTO MANY INLAND WATERWAYS.

## ZEBRA MUSSEL MANIA TRAVELING TRUNK

Tune into zebra mussels and other exotic species with this award-winning science kit and curriculum. The experiments; games, stories and other hands-on activities; which meet science education standards, will help educators teach kids ages 9-14 about a wide range of problems associated with zebra mussels, and other exotics. Students can inquire and discover while learning how to become involved in community action projects to help slow the spread of zebra mussels.



### WHAT'S IN THE TRUNK?

Each trunk includes a teacher-friendly curriculum guide with ten activities that integrate science with other subjects. Other resources used in experiments and games include: zebra mussel shells, four video programs, student worksheets, posters, shell classification, web of life ecology game, pre- and post-tests, and a teacher resource portfolio filled with background reading.

### WHERE DO I ORDER THE TRUNK?

(Choose 1 of 3 options:)

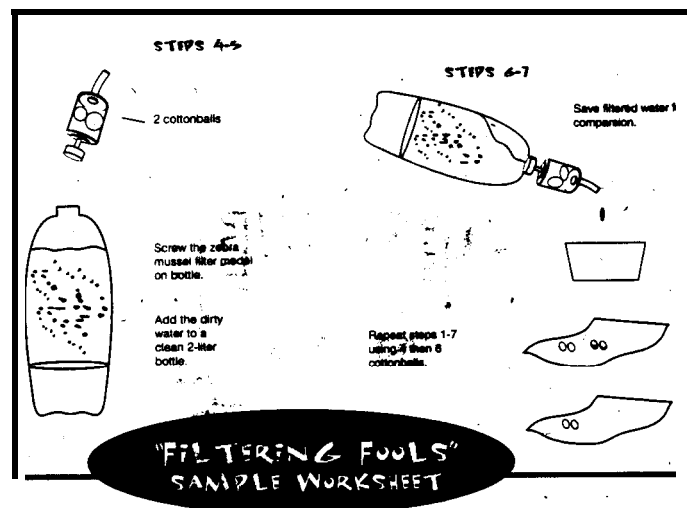
- ◆ Borrow the Zebra Mussel Mania Traveling Trunk from one of the lending centers listed in this

brochure. Call a lending center near you. A user fee/deposit may be charged.

- ◆ Duplicate the trunk yourself by purchasing the curriculum guide (\$35), resource portfolio (\$35) and materials at local stores (about \$200). Use the tear-off request form inside this brochure. (Prices include shipping and handling charges).
- ◆ Purchase a complete trunk, curriculum guide and resource portfolio for \$360, plus \$20 shipping from the address listed on the request form. Use the tear-off request form inside this brochure.

### WHO DEVELOPED THIS TRUNK?

The Zebra Mussel Mania Travejing Trunk Project was sponsored and coordinated by Illinois-Indiana Sea Grant in partnership with Illinois Rivers Project with funds appropriated by the 1994 Congress based on the Nonindigenous Species Act. Fifth and sixth grade teachers created the curriculum. Technical expertise was provided by the Illinois Natural History Survey, Illinois American Water Company, Illinois Power Company, and a curriculum specialist from the Bell Museum. of Natural History..



### QUESTIONS?

Call Illinois-Indiana Sea Grant at (217) 333-9448. If you have Internet access, our homepage is at: <http://www.ansc.purdue.edu/il-in-sg/>,

EXOTIC SPECIES ARE A REAL ENVIRONMENTAL THREAT. WITHOUT NATURAL PREDATORS, THEY OFTEN DISPLACE NATIVE SPECIES AND IMPACT RECREATION, WATER QUALITY, POLLUTANT CYCLING, AND HABITAT.

## EXOTIC AQUATICS TRAVELING TRUNK

Get up close and personal with exotic aquatic animals and plants! Now students, ages nine to adult, can have fun seeing and touching zebra mussels, Eurasian watermilfoil, sea lamprey, and Eurasian ruffe -- all exotic aquatics that are in the news and may be in a lake or wetland near you.



### WHAT'S IN THE TRUNK?

Each trunk includes museum-quality preserved specimens of: zebra mussels, Eurasian ruffe, purple loosestrife, Eurasian watermilfoil, and spiny water-fleas.

There's also a realistic rubber sea lamprey, models of native clams, books, maps, posters, magnifying glasses, a companion VHS video, and a complete curriculum with nine lessons developed in cooperation with University of Minnesota researchers and state environmental agencies.

### HOW MUCH IS RENTAL?

- ◆ \$60 for a seven-day period if shipped to you.
- ◆ \$45 for a seven-day period if you pick it up.

(Shipping, outside, Minnesota may require an additional charge. Charges for National Park locations may vary.)

If you live in the Duluth, MN, area the trunk will be **FREE** for loan during the 1996-97 school year. **A completed evaluation form must be returned with the trunk.**

### HOW DO I ORDER THE TRUNK?

Minnesota Sea Grant coordinates the distribution of the **Exotic Aquatics** Traveling Trunks and will inform you of their availability. If our on-site trunks are not available, we will put you in touch with one of our lending centers.

Fill out the tear-off request form inside this brochure. Send no money now.

### WHO DEVELOPED THIS TRUNK?

The **Exotic Aquatics** Traveling Trunk project was sponsored and coordinated by Minnesota Sea Grant with funds appropriated by the 1994 Congress based on the Nonindigenous Species Act. Project partners include the University of Minnesota Bell Museum of Natural History, National Park Service, U.S Fish and Wildlife Service, National Park Foundation, and Minnesota Department of Natural Resources, which produced the trunk's, video through a matching contribution.

### QUESTIONS?

Call Minnesota Sea Grant at (218) 726-8712.

If you have Internet access, our homepage is at:  
<http://www.d.umn.edu/~seagr/>



ILLINOIS-INDIANA SEA GRANT  
**ZEBRA MUSSEL MANIA**  
TRAVELING TRUNK REQUEST FORM

Name: \_\_\_\_\_

Agency/  
Organization: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Phone #: \_\_\_\_\_

Fax #: \_\_\_\_\_

E-mail: \_\_\_\_\_

*If you would like to borrow a Zebra Mussel Mania  
Traveling Trunk, please contact a lending center  
near you; please see the list in this brochure.*

Please send me information on **duplicating** the trunk.

☐ I want to **purchase** a curriculum guide (\$35).

I want to **purchase** a resource portfolio (\$35).

Make a check payable to: *University of Illinois*

Mail to: Robin Goettel  
Illinois-Indiana Sea Grant Program  
University of Illinois, 65 Mumford Hall  
1301 West Gregory Drive  
Urbana, IL 61801  
(217) 333-9448, r-goettel@uiuc.edu



I would like to **purchase** a complete trunk.

Make a check for \$380 payable to: *Illinois Rivers Project*

Mail to: Robert Williams  
Illinois Rivers Project  
Box 2222, SIUE  
Edwardsville, IL 62026  
(618)692-3788, rivers@siue.edu



How did you hear about the traveling trunk?  
\_\_\_\_\_  
\_\_\_\_\_

How do you plan to use the trunk? In what kind of activities?  
\_\_\_\_\_  
\_\_\_\_\_

ILIN-SG-96-1

**Zebra Mussel Mania  
LENDING CENTERS**

**CALIFORNIA**

Marine Activities Resources  
and Education Program  
UC-Berkley  
Roberta Dean 408/684-9105

**ILLINOIS**

Illinois Cooperative Extension  
Service  
Countryside Center  
Sandra Lignell 708/352-0109  
Marion Center  
Cyndi Regan 618/997-3919

Illinois-Indiana Sea Grant  
Urbana  
Robin Goettel 217/333-9448

**Shedd Aquarium**

Chicago  
Cheryl Mell 312/939-2438

**Southern Illinois University-  
Edwardsville**

Virginia Bryan 618/692-3557  
Robert Williams 618/692-3788

**INDIANA**

Fort Wayne Children's Zoo  
Cheryl Piropatto 219/427-6800

**Indianapolis Zoo**

Debra Messenger 317/630-2044

**Purdue Cooperative Extension**

Lake County Center  
Ronald Hoyt 219/755-3240

**Mesker Park Zoo**

Randy Smith 812/428-0715

**Richardson Wildlife Sanctuary**

John Thiele, Jr. 219/787-8983

**LOUISIANA**

Louisiana Energy and  
Environmental Resource and  
Information Center

Baton Rouge  
Bob Bradley 504/388-6349

**MARYLAND**

Columbus Center  
J. Adam Frederick 410/576-5743

**MASSACHUSETTS**

MIT Sea Grant College Program  
Christine James 617/252-1675

**MICHIGAN**

Michigan Sea Grant College  
Program  
John McKinney 616/922-4620

**MINNESOTA**

University of Minnesota Bell  
Museum of Natural History  
Jane Greenberg 612/628-2299

**Lake Superior Center**

Christa Berg 218/720-3033

**Minnesota Valley National  
Wildlife Refuge**

Keith Van Cleave 612/854-5900

**NEW HAMPSHIRE**

UNH Sea Grant Extension Ctr.  
Julia Dahlgren 603/749-1565

**NEW YORK**

New York Sea Grant institute  
SUNY Oswego  
Pat MacNeill 315/341-3042

**New York Sea Grant institute**

SUNY at Stony Brook  
Julie Zeidner 516/632-6905

**OHIO**

Cincinnati Zoo  
Dan Marsh 513/559-7725

**Toledo Zoo**

Mitch Magdich 419/385-5721

**SOUTH CAROLINA**

Charleston Math and Science  
Hub  
Paula Keener-Chavis  
803/953-5812

**VERMONT**

Lake Champlain Basin Science  
Center  
Julie Silverman 802/864-1848

**WEST VIRGINIA**

Oglebay Zoo  
Gretchen Henrich 304/243-4029

**WISCONSIN**

Environmental Resource  
Center  
University of Wisconsin-Madison  
Suzanne Wade 608/265-3257

**CANADA**

Ontario Federation of Anglers  
and Hunters  
Beth MacKay 705/748-6324

Additional lending centers are  
being established. Contact  
Robin Goettel for current list  
(see request form).

Purdue University, University of Illinois, and University of Minnesota  
are equal opportunity educators and employers.