A Great Lakes Sea Grant resource list on zebra mussels and other nonindigenous species

This list includes material that is distributed by the six Sea Grant programs in the Great Lakes Sea Grant Network as of December 1993. Many of the other Sea Grant programs are producing material about the zebra mussel, too. For example, Rhode Island (401/792-6842), Virginia (804/924-5965) and North Carolina (919/515-2452) Sea Grant programs all currently have material available. Other U.S., state and Canadian agencies also have material available.

To order any item in this resource list, complete and mail the order form for the program distributing the material. Free items are for single copies only unless specified otherwise. For prices on bulk orders, contact the program that is distributing the material. Please prepay all orders.

Resources on zebra mussels

The first three publications provide information on how this species was introduced into the Great Lakes, areas colonized in the lakes, what methods of eradication exist, provides tips on what you can do to slow the mussel’s spread, and the impact zebra mussels will have on industry, recreation and the Great Lakes ecosystems.


Boaters—Slow the spread of zebra mussels and protect your boat, too. 1993. David O. Kelch. 2 pp. OHSU-FS-054. Free for any size order. OH


Zebra mussel information needs survey for municipal and industrial water users—Summary report. 1992. Robin Goettel and Gail Snowden. 8 pp. A survey of 29 southern Lake Michigan municipal and industrial water users provided findings on what types of zebra mussel information were most needed and in what form the information could best be delivered. Free. IL-IN

Control of zebra mussels in residential water systems. 1993. Charles R. O’Neill, Jr. 8 pp. $1.00 NY


#1: Case studies of constructed filter bed intakes. A description of 10 such systems in the western Great Lakes that range from one to 100 years old. Included is information on operational experience and who to contact (plant operators and design engineers) for further information, plus commentary from marine contractors and design engineers. 16 pp.

#2: Infiltration intakes for very large water supplies: Feasible? A review of four 20-year-old papers that considered design feasibility as a means of protecting larval organisms from entrainment in power plant and water diversion project intakes. 11 pp.

#3: Zebra mussel (Dreissena polymorpha) distribution: Reported size, depth and temperature variables. A summary of relevant data about zebra mussels intended for project design engineers. 7 pp.

#4: Using filtration and induced infiltration intakes to exclude organisms from water supply systems. A literature review plus an overview of slow sand filtration and infiltration systems. 13 pp.

Don't let these invaders hijack your boat! is a 17”x22” humorous cartoon poster telling boaters what to do to slow the spread of zebra mussels. Perfect for fishing/bait shops. Pub X6. Free. MN

Don't pick up hitchhikers! Stop the zebra mussel is a 3 pp. flyer and 11”x17” poster. One or two copies of the flyer and the poster are free. NY

Zebra mussel watch identification card. Christine Kohler and Stephen Wittman. Wallet-sized cards have a color picture of the zebra mussel with text describing their appearance and what to do if you find a mussel. Free; 20 cards for $1.00. Available from each program. Order customized cards from Wisconsin. WI

Zebra mussel distribution map from the latest issue of Dreissena polymorpha information review. Free. NY

Zebra mussel distribution in Michigan. Free. MI

Zebra mussels: From spawning to settlement. January 1994. 20-minute video shot through a microscope shows mussels spawning naturally and induced. Voice-over provides details. $15.00. OH

Zebra mussels. 1993. Produced by New York Sea Grant and PBS-affiliate WLIW, Long Island as 30-minute show. $12.00. NY

Protecting your boat from zebra mussels. Revised 1993. This 15 minute video gives pointers on how to prevent damage to your recreational boat and tips on preventing the spread of the mussel to inland waters. $10.00. NY

Too much mussel. January 1991. This 5.5 minute video (VHS format) provides an overview of the impact of zebra mussels to Lake Erie. $15.00. OH

Zebra mussel features. Collection of 90 second feature stories produced by Outreach Communications TV at Michigan State University. Contact Carol Swinehart at MSU 517/333-9723. $10.00.

Nonindigenous Species Graphics Library contains slides, photographs and illustrations of zebra mussels and other aquatic nuisance species. Also includes a videotape resource list. Contact Michigan Sea Grant at 313/764-1138 for more information.

Resources on other species


The Ruffe invasion, Gymnocephalus cernuus. 1993. Mike McGean. Describes the aggressive, perch-like fish found in Lake Superior. This invader was first identified in the St. Louis River in 1987. It is now the most numerous forage fish in the estuary and its range is expanding. PUB X7. Free. MN


Don't let exotics ride with you. 1992. A simple card explaining four major exotics that threaten our lakes and rivers and what boaters and anglers can do to prevent their spread. 2 pp. Free for any quantity. Available from each program. OH


Spiny tailed Bythotrephes: Its life history and effects on the Great Lakes. 1990. Carla E. Caceres and John T. Lehman. Explains the anatomy, reproductive cycle and behavior of Bythotrephes and how this exotic may affect the Great Lakes ecosystems. 7 pp. MICHU-SG-90-700. Free. MI


Scientific publications on zebra mussels


International zebra mussel research conference (1991) proceedings sponsored by the Great Lakes Sea Grant Network and hosted by New York Sea Grant. 52 pp. $8.00. NY


International zebra mussel research conference (1990) proceedings sponsored by the Great Lakes Sea Grant Network and hosted by Ohio Sea Grant. 32 pp. OHU-019 also available as "Abstracts of technical papers presented at the International Zebra Mussel Research Conference Columbus, Ohio 1990" reprinted from J Shellfish Res 10(1):243-260, 1991. OHSU-144. Both are free. OH

Scientific publications on other species


Genetics and ecology of an invading species: Bythotrephes cederstroemi in western Lake Erie. 1991. David J. Berg, 164 pp. TD-030. On loan from the Sea Grant Depository, P O Library Building/Bay Campus, University of Rhode Island, Narragansett, Rhode Island 02882. (All items listed in this publication can be borrowed from the Depository.)


The white perch and its interaction with yellow perch in Lake Erie. 1989. Donna L. Parrish. 137 pp. TD-021. $15.50. OH

Newsletters
Dreissena polymorpha information review. Summaries of research, meetings, legislation and sitings of the zebra mussel for the interested professional. Bimonthly. $60.00 annual subscription rate includes other benefits. Contact Zebra Mussel Clearinghouse at 800/285-2283.

Zebra mussel update reports on the status of the zebra mussel invasion in the region, zebra mussel-related research, upcoming conferences, new publication, etc. Written by Clifford Kraft. Published irregularly; Free. WI

The following Sea Grant program newsletters cover Great Lakes issues, education, environment, economic development, fisheries and aquaculture activities in each state. Conferences, publications and journal articles may also be listed. Contact your closest Sea Grant program for a subscription. Some programs also produce additional topic-specific newsletters.

• The HELM, issued quarterly by Illinois-Indiana. Free.
• Upwellings, issued quarterly by Michigan. Free.
• The Seiche, issued quarterly by Minnesota. Free.
• Coastlines, issued quarterly by New York. Free.
• Twine Line, issued bimonthly by Ohio. $4.50 a year.
  Each issue includes a zebra mussel update.
• Littoral Drift, issued monthly by Wisconsin. Free.

For more information...

Illinois-Indiana Sea Grant Program
University of Illinois
65 Mumford Hall
1301 W. Gregory Dr.
Urbana, IL 61801-3068
217/333-9448

Michigan Sea Grant College Program
University of Michigan
2200 Bonisteel Blvd.
Ann Arbor, MI 48109-2099
313/764-1138

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1518 Cleveland Ave., N.
Suite 302
St. Paul, MN 55108-6001
612/625-9790

New York Sea Grant Institute
SUNY College at Oswego
Swettman Hall
Oswego, NY 13126-3599
315/314-3042
800/285-2283

Ohio Sea Grant College Program
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Columbus, OH 43212-1194
614/292-8949

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