

Connecting People, Science and Management

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International Conference on Aquatic Invasive Species
April 11, 2016 | Winnipeg, Manitoba







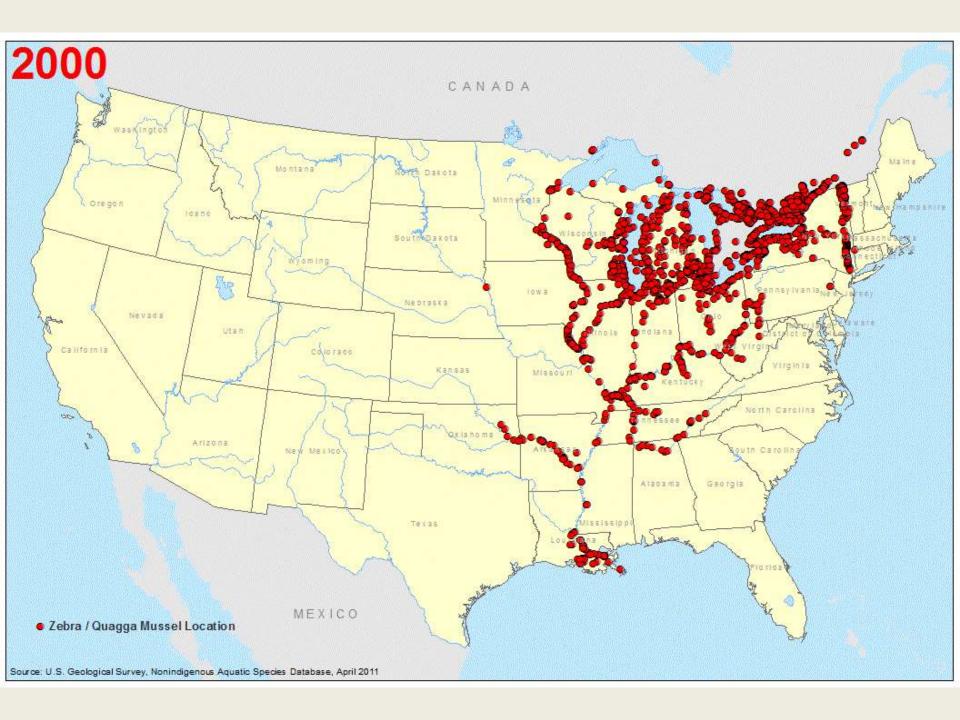


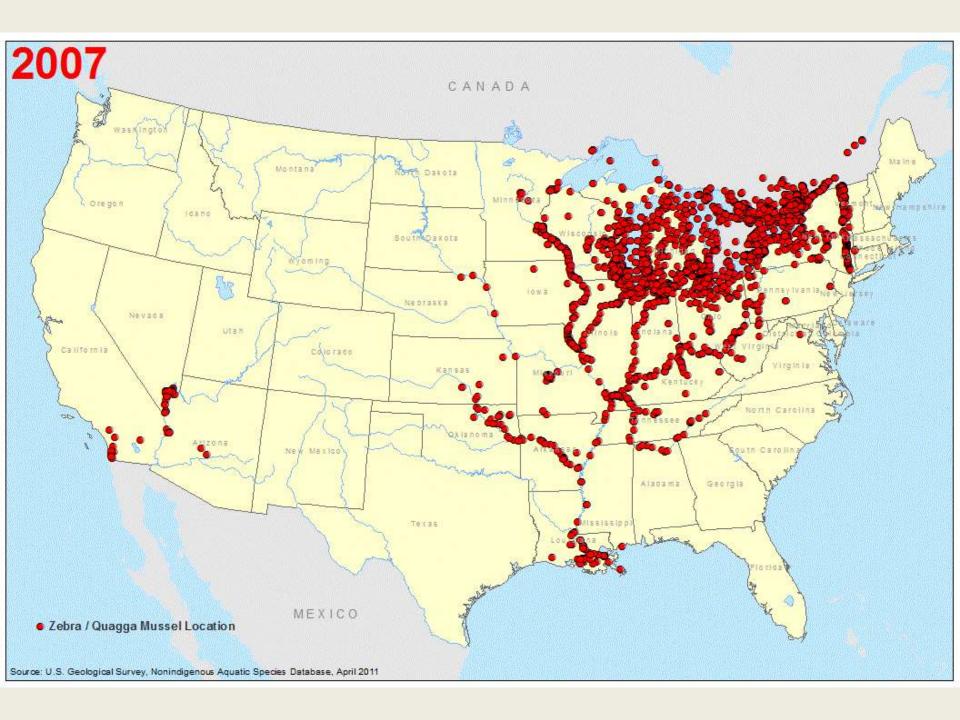


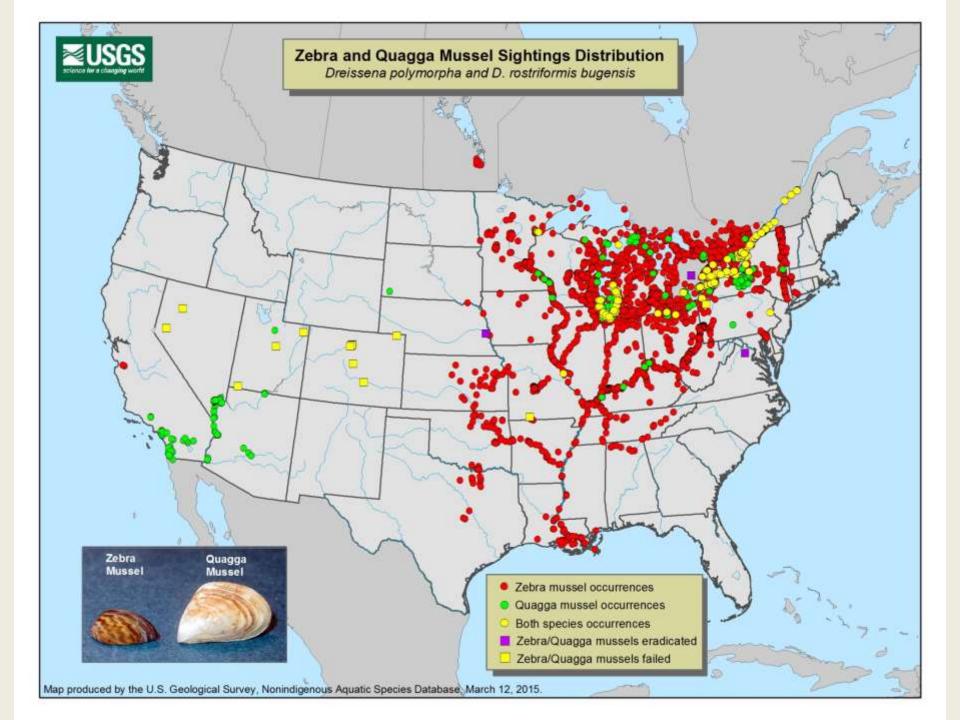












Widespread Impacts











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STOP AQUATIC HITCHHIKERS!

Prevent the transport of nuisance species. Clean all recreational equipment.

www.ProtectYourWaters.net



DON'T MOVE A MUSSEL.CA



CLEAN, DRAIN AND DRY YOUR BOAT.

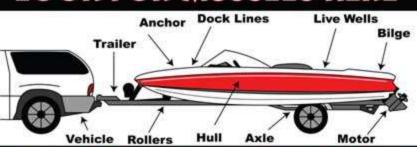




FIGHT THE SPREAD OF AQUATIC INVADERS



LOOK FOR MUSSELS HERE



CHECK YOUR BOAT, TRAILER AND VEHICLE

Limited options for response, containment or eradication in open waters

- New potential for management: Zequanox^{®1}
 - Trial applications
- Ongoing investments to develop other technologies
- Apply collective impact principles
 - Bring multiple interested parties into a common understanding and agenda
 - Use management and science to create potentially powerful management tools



Effects of biocontrol application
A colony of zebra mussels attached to a native
mussel. The native mussel survives the application of
biocontrol; the zebra mussels do not.

¹Any use of trade, product, or firm names is for descriptive purposes only and does not imply endorsement by the U.S. Government.









Mission

Advance scientifically sound technology for invasive dreissenid mussel control to produce measurable ecological and economic benefits.

Provide a framework for communication and coordination, identify the needs and objectives of resource managers, prioritize the supporting science, recommend communication strategies and align science and management goals into a common agenda for invasive mussel control.









Steering Committee

29 member orgs from U.S. and Canada Federal, Tribal, state, provincial and local agencies; NGOs; industry, academia

Core Team

Great Lakes Commission, Great Lakes Fishery Commission, National Oceanic & Atmospheric Administration & U.S. Geological Survey

Science Team

12 members representing research agencies and institutions

Neutral backbone support and coordination Great Lakes Commission









Steering Committee

- Identify needs and objectives of resource managers
- Prioritize science and research questions
- Assist with communication strategies
- Provide input on development of products or tools that advance adaptive management
 - Management decision support tools, monitoring protocols, data analysis, etc.
- Provide guidance and direction to the Collaborative Science Team









Science Team

- Establish current state of the science
 - Add your project / publication!
 http://invasivemusselcollaborative.net/research
- Develop a research agenda
- Provide support for research projects to address pressing needs
- Work with resource managers to guide adaptive management and research at a range of scales and environments
- Broad topics
 - Understand ecosystem effects
 - Develop and refine control strategies
 - Develop models and decision support tools
 - Examples: effectiveness and Zequanox application issues, food web changes and fishery production, HABs link, socioeconomic considerations









Collaborative Communication Tools

- Website: www.invasivemusselcollaborative.net
- Email list-serv: invasivemussels@great-lakes.net
- Webinar Series:
 - Register Now!
 - Zebra Mussel Response in Lake Winnipeg April 21
 - Recordings Available:
 - Lessons learned from Zequanox applications (July 2015)
 - Non-Zequanox control case studies (January 2016)











Invasive Mussel Collaborative

www.invasivemusselcollaborative.net

THANK YOU!







