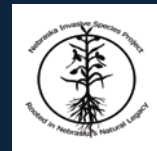


# Nebraska Aquatic Nuisance Species Management Plan

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[snr.unl.edu/invasives](http://snr.unl.edu/invasives)



# The Problem:

Nebraska's waters are being severely impacted by an increasing number of invasive species.

Resulting in:

Ecological damage

Economic hardship

# What is an 'Aquatic Nuisance Species'?



“...non-native species that threaten the diversity or abundance of native species or the ecological stability of infested waters, or commercial, agricultural, aquacultural or recreational activities dependent on such waters”.

-ANS Task Force

# Examples

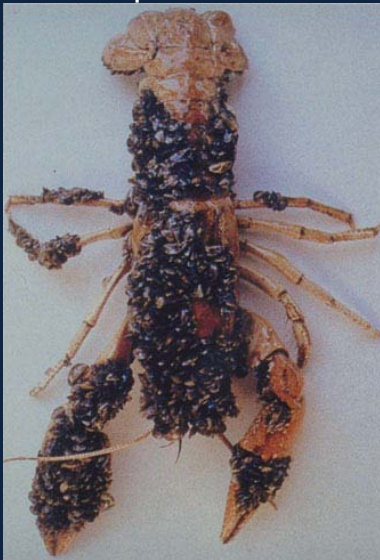
## Zebra/Quagga Mussel

**Treatment is incredibly expensive**

- \$5 billion/year in the US
- \$500 million/year Great Lakes Power and Water
- \$1.2 million/year WI Electric Power Company



(Center for Invasive Species Research )



# Examples

## Asian Carp

- Competes with native species
- Reduces water quality
- Causes personal injury
- Threatens the \$7 billion fish industry in the Great Lakes



# Examples

## Purple Loosestrife

- Outcompetes and replaces natives (reduced abundance of 44 native plant species)
- Spreading at a rate of 115,000ha/yr
- Present in 48 states
- \$45 million/year in control

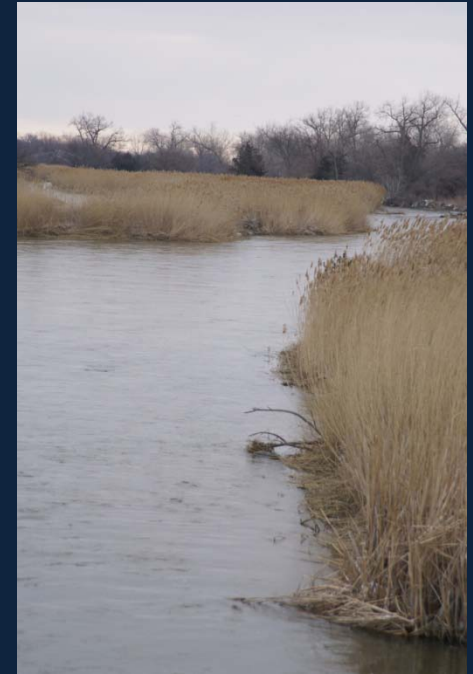


(Pimentel et al. 2007)

# Examples

## Phragmites

- Forms dense monocultures
- Reduces wildlife habitat
- Consumes water
- Millions of dollars spent in Nebraska on eradication efforts




# A Solution: State ANS Management Plans

**ANS**

*Task  
Force*

Dedicated to the prevention and control of aquatic nuisance species





Nonindigenous Aquatic Nuisance Prevention  
and Control Act of 1990

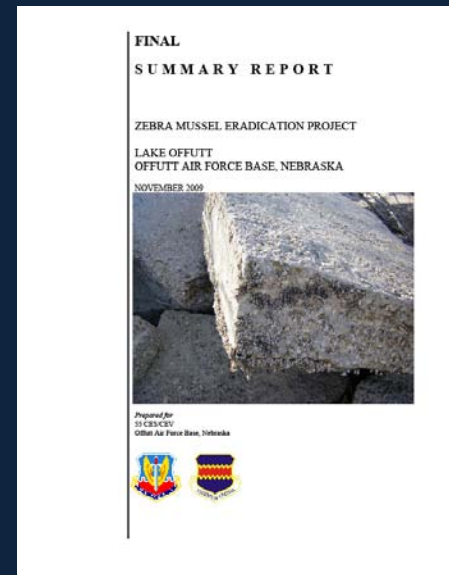
- Established in 1991
- 13 federal agencies & 12 ex-officio members  
Co-chaired by USFWS and NOAA
- Advisory panel for developing state Aquatic  
Nuisance Species Plans



# The 'Push' to develop a Plan

# The 'Push' to develop a Plan

- The Zebra Mussel Infestation in Nebraska
  - 2006 Lake Offutt, Offutt Air Force Base
  - Eradicated as of last fall



# Nebraska ANS Committee

Nebraska Game and Parks Commission

Nebraska Invasive Species Project

Nebraska Department of Agriculture

Nebraska Department of Environmental Quality

Nebraska Public Power District

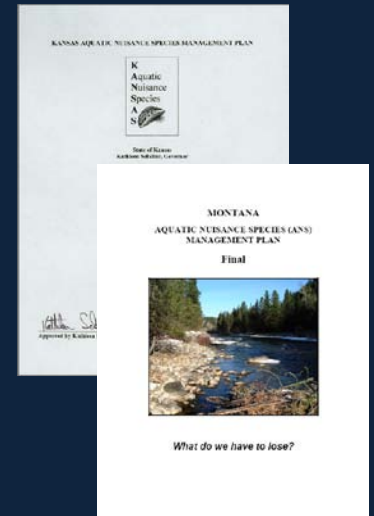
Bureau of Indian Affairs

U.S. Fish and Wildlife Service

Nebraska Cooperative Fish and Wildlife Research Unit

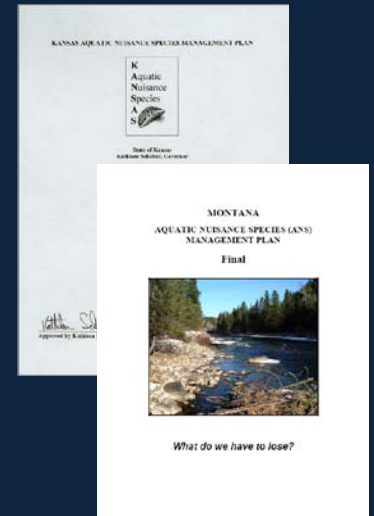
University of Nebraska

# ANS Plan Objectives



# ANS Plan Objectives

1. Coordination
2. Detect and monitor
3. Prevention of and rapid response to new ANS
4. Control and eradication of established ANS
5. ANS research
6. Outreach and education
7. Legislation



# ANS Plan Priorities

- Form ANS steering committee
- Identify funding
- Identify gaps in ANS legislation/policy



# ANS Plan Priorities

- Form ANS steering committee
- Identify funding
- Identify gaps in ANS legislation/policy
- Hire ANS coordinator
- Increase surveys/monitoring
- Develop response plans for high priority species
- Increase state-wide and regional collaboration



# Progress of ANS Plan

- Draft Complete
- Revised after public comment period
- **Submit to Governor's office**
- Submit to ANS Task Force
- Eligible for federal funding

**NEBRASKA  
AQUATIC NUISANCE SPECIES  
MANAGEMENT PLAN**

In response to the increasing threat of Aquatic Nuisance Species, such as zebra mussels and Asian carp, the Nebraska Aquatic Nuisance Species Planning Committee has developed an Aquatic Nuisance Species Plan for the state of Nebraska. Under the guidance of the National Aquatic Nuisance Species Task Force and the Nebraska Invasive Species Council, this plan will increase communication and collaboration among state and federal agencies, develop tools to educate and inform the public about aquatic nuisance species and in turn, help us to protect Nebraska's water resources and ultimately, our economy and environment.

**Your Input is Needed!**  
A draft of the Nebraska Aquatic Nuisance Species Management Plan is available online for public comment at [snr.unl.edu/invasives/ansplan.htm](http://snr.unl.edu/invasives/ansplan.htm) or call 402-472-3133

**Public Meeting Announcement:**  
Provide input on the Nebraska Aquatic Nuisance Species Plan:  
June 9, 2010 from 6-8pm  
UNL, East Campus,  
Hardin Hall 2nd floor lobby  
3310 Holdrege, Lincoln NE

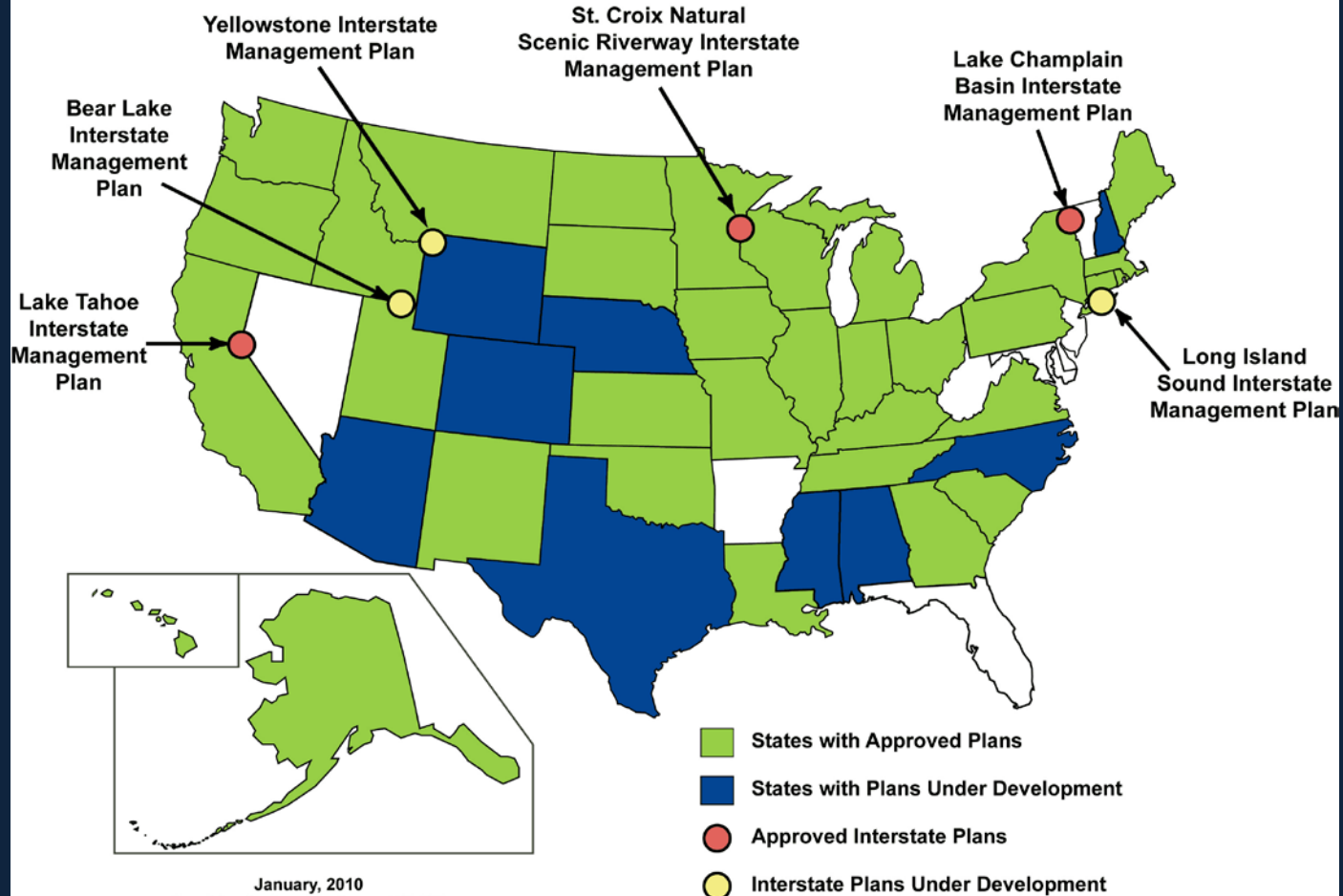
Contact: Karle Decker, Nebraska Invasive Species Project 402-472-3133 [invasives@unl.edu](mailto:invasives@unl.edu) [snr.unl.edu/invasives](http://snr.unl.edu/invasives)

What are other states doing?

# What are other states doing?

## Status of State ANS Management Plans

(36 Approved Plans - 33 State, and 3 Interstate)



# What are other states doing?

## Colorado

- Mandatory boat inspections – all water bodies
- Funding: Emergency funding – State Legislature, + match from multiple organizations



NOTE: This bill has been prepared for the signature of the appropriate legislative officers and the Governor. To determine whether the Governor has signed the bill or taken other action on it, please consult the legislative status sheet, the legislative history, or the Session Laws.

## An Act

SENATE BILL 08-226

BY SENATOR(S) Iegar, Gibbs, Groff, Kester, Penry, Renfro, Schwartz, Shaffer, Spence, Taylor, Tochtrop, Ward, Wiens, Harvey, McElhany, and Tapia;  
also REPRESENTATIVE(S) Butcher and McFadyen, Fischer, King, Buescher, Carroll T., Curry, Hodge, Labuda, McGihon, and Romanoff.

CONCERNING THE PROHIBITION OF AQUATIC NUISANCE SPECIES IN COLORADO, AND MAKING AN APPROPRIATION IN CONNECTION THEREWITH.

*Be it enacted by the General Assembly of the State of Colorado:*

SECTION 1. Title 33, Colorado Revised Statutes, is amended BY THE ADDITION OF A NEW ARTICLE to read:

### ARTICLE 10.5 Aquatic Nuisance Species

**33-10.5-101. Legislative declaration.** THE GENERAL ASSEMBLY HEREBY RECOGNIZES THE DEVASTATING ECONOMIC, ENVIRONMENTAL, AND SOCIAL IMPACTS OF AQUATIC NUISANCE SPECIES ON THE AQUATIC RESOURCES AND WATER INFRASTRUCTURE OF THE STATE. THE GENERAL ASSEMBLY FURTHER RECOGNIZES THE POTENTIAL OF RECREATIONAL

Capital letters indicate new material added to existing statutes; dashes through words indicate deletions from existing statutes and such material not part of act.

# What are other states doing?

## Wyoming

- Boat inspections at major water-bodies, rotating
- Funding: State Legislature, ANS decal (\$5-\$30)

**New Wyoming Boating Law**

Purchase your Aquatic Invasive Species Program Decal Now!



**Follow These Simple Steps:**

Only you can stop the spread of these mussels. Before you launch or move your watercraft to another body of water, please help protect your waters by following these simple steps:

- ✓ DRAIN** All water must be drained from your watercraft. This includes the ballast, bilge, livewell and motor. Leave wet compartments open. 
- ✓ CLEAN** Remove all plants, mud and debris from equipment and watercraft. 
- ✓ DRY** Dry your watercraft or equipment 5 days in the summer, 18 days spring/fall or 3 days of freezing. 

**Expect to be inspected. Be prepared for inspections near all Wyoming boat ramps.**

# What are other states doing?

## Kansas

- Some boat inspections – high risk waters
- ANS program Funding: FWS, some from Wildlife fee fund (state license), other organizations - Wichita – city funding

Volunteer ANS Certification



### Report a New ANS

To report a new ANS use the form below to email the Kansas Department of Wildlife & Parks.

Your E-mail address

Subject

Message

# Next steps for Nebraska

- Complete ANS Plan
- Identify funding sources
- Monitor – what is where?
- Education and Outreach



# Aquatic Nuisance Species Management Plan

Please visit

<http://snr.unl.edu/invasives>

email: [invasives@unl.edu](mailto:invasives@unl.edu)

