

# Watercraft Cleaning & Implementation Discussion



**STOP AQUATIC  
HITCHHIKERS!**

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

[www.ProtectYourWaters.net](http://www.ProtectYourWaters.net)



# What we plan on covering

- Statewide view of AIS prevention actions
  - Tim Campbell, UW-Extension
- Local decontamination panel presentations
  - Cathy Higley
  - Anna Cisar
  - Sam Lammers
  - ....
- Wisconsin Lakes decontamination project
  - Mike Engleson
- Questions for the panel
  - Facilitated by Mike and Tim

# Goals for our discussion

- Connect people interested in watercraft cleaning and decontamination with statewide and local experts
- Information sharing that helps overcome implementation barriers
- Identification of knowledge gaps

# What we are not prepared to discuss

- Surveillance technology
  - I-LIDS

# Watercraft Decontamination: A statewide view

**Tim Campbell**

UWEX Natural Resources Institute

Wisconsin Sea Grant

Wisconsin DNR



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# NR40:

## Law of the Land

- Actions are effective at preventing spread of AIS
  - Most people know what they are
  - Has had an impact on invasion rate
- Reasonable actions to expect of all water users
- Theoretically inexpensive to implement because it doesn't require tools or trained staff
- If everyone did this every trip the invasion rate would approach zero

**PREVENT THE SPREAD OF  
INVASIVE SPECIES  
IT'S THE LAW**

PENALTIES MAY EXCEED \$2000

**Before launching and before leaving YOU MUST:**

- ✓ **INSPECT** boats, trailers, and equipment.
- ✓ **REMOVE** all attached aquatic plants and animals.
- ✓ **DRAIN** all water from boats, vehicles, and equipment.
- ✓ **NEVER MOVE** plants or live fish away from a waterbody.\*



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WISCONSIN  
DEPT. OF NATURAL RESOURCES

\*Limited exceptions apply. Visit [WWW.DNR.WI.GOV](http://WWW.DNR.WI.GOV) and search for "BAIT LAWS."

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# Problem:

Not everyone takes  
action every time

Use leftover live bait minnows on a different body of water?	2013	1.5 (4.5)
	2009	1.3 (4.7)
Drain water from the <u>boat</u> before leaving the landing?	2013	4.5
	2009	3.9
Remove plants and animals from the boat and equipment before leaving the landing?	2013	4.5
	2009	3.3
Transport your catch away from a waterbody using a livewell, bucket or other container filled with water?	2013	2.1 (3.9)
	2009	2.4 (3.6)
Drain water from the <u>livewell</u> before leaving the landing?	2013	4.3
	2009	3.2
Drain water from a bucket or other container holding your daily catch before leaving the water body?	2013	4.0
	2009	3.0
Add lake or river water to your minnow container?	2013	2.2 (3.8)
	2009	2.2 (3.8)
Drain water from the <u>motor</u> before leaving the landing?	2013	3.8
	2009	3.1
Put your catch on ice when you leave a water body?	2013	2.9
	2009	<i>Not asked</i>

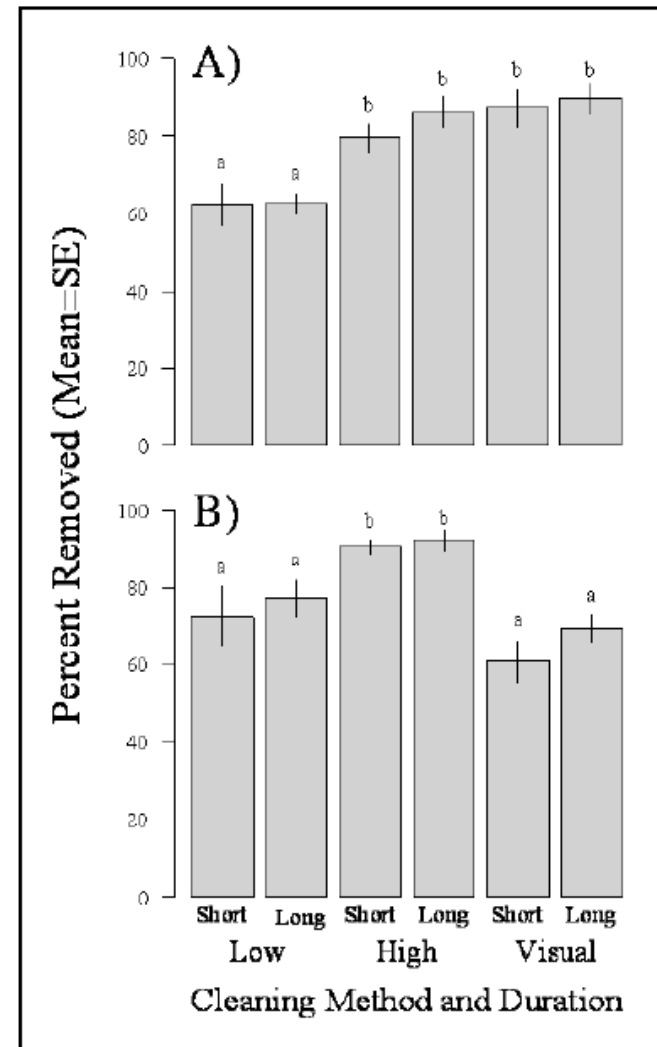


# Problem:

NR40 actions aren't 100% effective  
at removing or killing AIS

They're good, but not perfect

**Figure 3.** Results of experimental removal of biological materials from boat and trailer via boat washing or visual inspection. Panel A shows removal of *Myriophyllum spicatum* with different wash pressures and durations, and with visual inspection and hand-removal. Panel B shows data from the same treatments for the removal of small-bodied organisms.



What is an acceptable level of risk  
and certainty?

What are we willing to pay to  
reduce risk and increase certainty?

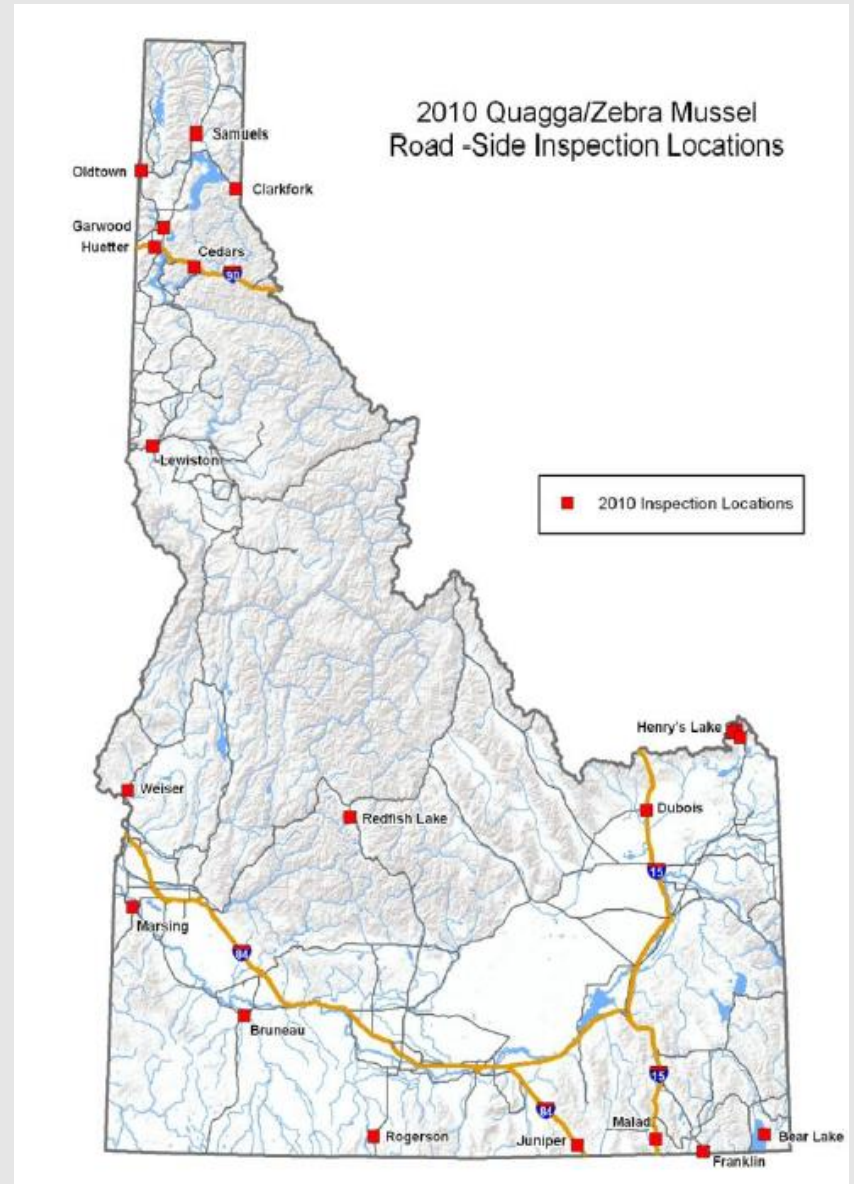
# What is an acceptable level of risk and certainty?

- Assuming people take required actions, risk is low, but uncertainty is higher
- Requiring decontamination can eliminate risk and reduce uncertainty

- Implementing decontamination on a statewide scale could dramatically increase costs for limited reductions in risk and uncertainty
- Costs can become more manageable with local investment and risk assessment approaches

What are we willing to pay to reduce risk and increase certainty?

We probably  
won't ever look  
like Idaho



# Or Lake Tahoe

Tahoe  
Only

Tahoe  
In AND Out



What will decontamination  
programs look like in  
Wisconsin?