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# STOP AQUATIC HITCHHIKERS!

Prevent the transport of aquatic invasive species.

Clean all recreational equipment.

www.ProtectYourWaters.net

- National social marketing-based campaign
- Designed to link tools to barriers for behavior change
- Created to be 'stepped down' so partners can adapt or adopt resource materials
- 2,500 partners joined (business, agencies, academia, non-profits)
- > Since 2006, campaign partners generated 2 B impressions





# 1<sup>st</sup> Comprehensive Great Lakes AIS Campaign

- ✓ By the Great Lakes Sea Grant Network led by MN funded by GLRI (143 new tools; 20.1 M impressions)
- ✓ 1<sup>st</sup> regional survey of North American Fishing Club Members (30,000) by GLSGN, North American Media Group and Wildlife Forever (Pat Conzemius)
- ✓ Objectives to determine if:
  - Strategic messaging using dedicated e-marketing could effectively reach anglers
  - Raise angler awareness
  - Change desired behaviors

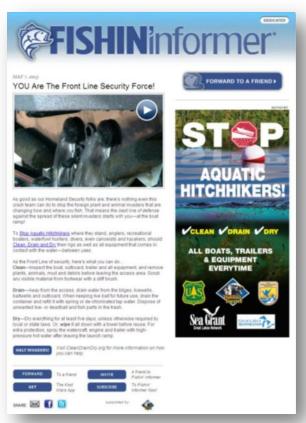


## **Heuristics**

- Play important role in problem solving, decision making, and planned actions.
- As mental shortcuts, they allow people to synthesize information effectively and efficiently.
- Shifting from previous to desired behaviors requires framing of issue as a benefit rather than a loss.



# 5 e-Newsletters, Survey, 2 Follow Ups Who, What, Where, When, How







April 30 Who

May 7 What



# Importance of Taking Action to Prevent the Spread of AIS



'08 MN Billboard near I-Falls, MN

97%
perceive AIS
as a threat in
the Great
Lakes





# Comparison of Awareness Before & After Exposure to SAH!

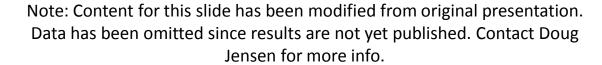
### From:

√46% very to moderately aware

To:

√96% very to moderately aware
(those not exposed: 9 of 10 knew meaning)

√50% increase







# Comparison of Actions Taken Before & After Exposure to SAH!

### From:

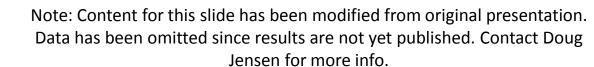
√ 64% always to usually take action

### To:

√97% always to usually take action

√33% increase







# Kawishiwi Watershed Protection Project (KWPP)

- White Iron Chain of Lakes Association (WICOLA) joined SAH! in 2009
- Concerned over spread of AIS
- Partnered with MN Sea Grant, MN
   Pollution Control Agency, Lake County
   SWCD, Forest Service, others
- Little AIS outreach in NE Minnesota
- WICOLA embarked on 30 month project to extend SAH! at meetings, booths, and hosted a symposium
- Conducted 2012 mail survey of 2,200 households re: AIS issues (38% response rate)



### Table 3. "Most Effective" AIS Information Sources

Signs at Water Accesses

Magazine ads or articles

Television ads, programming or news

Internet/websites

Bait shop posters

E-mail/e-newsletters

Fishing, boating or environmental organizations

Newspaper ads or articles

Regulation cards and pamphlets

Exhibits or booths at sport shows, fishing tournaments or other events

Friends, family and/or acquaintances

Educational brochures, fact sheets or species ID cards

Online videos

Radio ads, programming or news

Watercraft inspectors

Social media

Billboards/signs along highway

Other

Law enforcement officers

Kiosk at sporting goods stores

Displays at rest areas

Stickers

Mobile apps

Windshield flyers

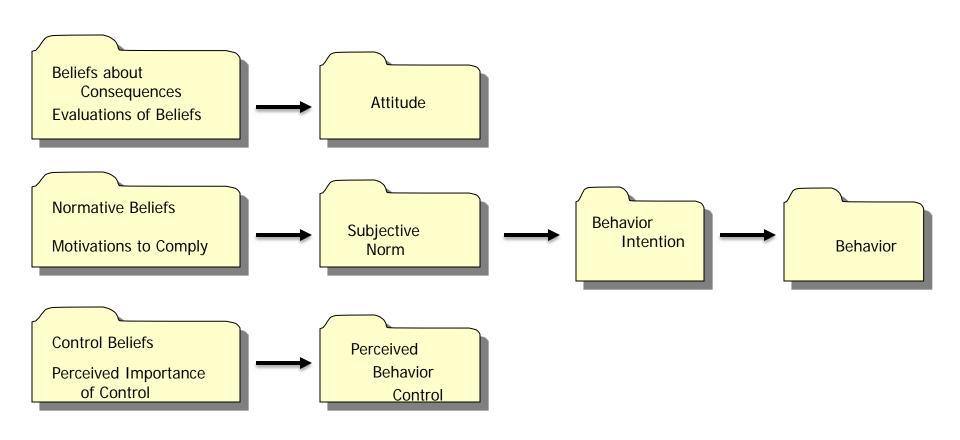
Highway radio messages



Access Sign



# **Theory of Planned Behavior**



TPB by Icek Ajzen
Visit: www.people.umass.edu/aizen/tpb.html





### **Actions Taken**

| Ranking | Action Taken  |  |
|---------|---|--|
| VH      | Drain water from motor, bilge and live well   |  |
| VH      | Inspect and remove aquatic plants, animals and mud from watercraft, motor and trailer before leaving access |  |
| Н       | Dispose of unwanted live bait, worms and fish parts in the trash  |  |
| M       | Rinse watercraft and equipment with garden hose   |  |
| M       | Drain bait container and replace with spring or dechlorinated water   |  |
| M       | Dry everything for at least 5 days before use   |  |
| M       | Flush motor according to owner's manual   |  |
| L       | Wipe hull of watercraft with a towel before use   |  |
| L       | Wash watercraft with high pressure or hot water   |  |



## **Motivations for Taking Actions**

| Ranking | Reason/"Influencer"   |  |
|---------|---|--|
| VH      | A desire to keep AIS out of our lakes and rivers                        |  |
| VH      | The feeling of personal responsibility; my actions make a difference    |  |
| VH      | The desire to prevent damage to my boat, equipment or personal property |  |
| Н       | Seeing other people taking action                                       |  |
| Н       | Laws or regulation that require actions to prevent transport of AIS     |  |
| Н       | Knowing other people take action  |  |
| Н       | Friends, relatives or acquaintances advising me to take action          |  |
| Н       | Threat of enforcement by conservation or other law enforcement officers |  |
| Н       | Threats of fines that would cost me money                               |  |
| M       | Embarrassment of being found in violation                               |  |

## Reasons for "Not" Taking Actions

| Reason  | % Response* |
|---|-------------|
| I did not transport the boat to another body of water                       | 61.0        |
| No boat washing equipment was available                                     | 15.3        |
| I was not in waters that had AIS  | 7.2         |
| I did not know what I was supposed to do                                    | 2.9         |
| I believed that the current regulations were ineffective                    | 2.2         |
| It is inconvenient, I did not have the time                                 | 1.7         |
| I did not realize the importance of my actions                              | 1.3         |
| Spread of AIS is only a matter of time; my actions won't help               | 1.3         |
| I forgot  | 1.1         |
| I was physically unable   | 0.8         |
| AIS are everywhere anyway; my actions won't help                            | 0.8         |
| I believed it only takes one to cause an infestation; my actions won't help | 0.5         |
| I did not want anyone telling me what to do                                 | 0.3         |
| I did not believe that AIS was a problem; I did not care                    | 0.3         |
| I was willing to pay the fine   | 0.0         |

For comparison: KWPP results compared favorably to 2013 GL AIS Angler Survey. There were no differences highlighted in red in original presentation.





## Post Events (11) Comparison of Awareness Before & After

From:

**√** 68% very to moderately aware

To:

**√82% very to moderately aware** 

**√** 26% increase p<0.05







# Post Events (11) Comparison of Behavior Before & After

### From:

√53% always to usually take action

### To:

√92% always to usually take action

**√** 39% increase p<0.05





# **Summary of Results**



- Awareness and reported behaviors increased based on understanding of AIS threats
- Consistent use of uniform messages based on guidelines resulted in reported desired behavior change
- Motivations for taking actions are linked to positive attitudes, beliefs, personal and social norms, along with threats of economic impacts
- Motivations concerning regulations increased
  - Lack of motivation very low based on reasons 1-3% after audience is strategically targeted



## Conclusion

- Across space and time, five assessments demonstrate the effectiveness of the Stop Aquatic Hitchhikers! and Habitattitude campaigns at small and large regional scales.
- Great Lakes angler survey demonstrates that a strategic heuristic approach was just as effective and reached a much larger audience compared to direct communication and education targeting a smaller audience (2,200 land owners) within smaller Kawishiwi watershed.
- Co-branding works too!
- Use campaign brands and guidelines at every opportunity – no need to reinvent the wheel.





Thank you!

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