

# Update on Aquatic Invasive Species Activities, U. S. Forest Service, Eastern Region



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Great Lakes Panel on Aquatic Nuisance Species  
December 11, 2009



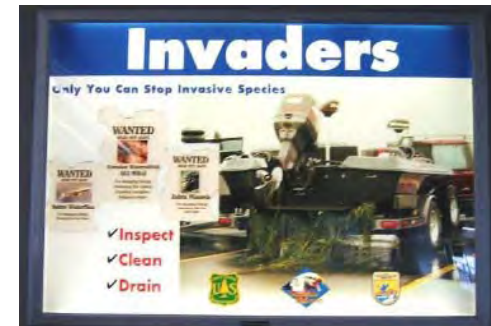
# USFS/GLRI – AIS Outreach and Education



1. Region-wide education campaign
2. Television series
3. Aquarium Exhibit and Summer Camp
4. Cooperative Weed Management Areas
5. Recreational boat cleaning and inspection pilot project



# Regional education campaign



**STOP AQUATIC HITCHHIKERS!™**  
✓ Inspect. ✓ Clean. ✓ Drain.

Logos: Wildlife Forever, Forest Service U.S., Minnesota Department of Natural Resources, Sea Grant Minnesota

Photo: Two people cleaning a boat on a trailer.

- Basin-wide campaign
- Anticipated 25 million public impressions in 2010



# Conservation education TV series



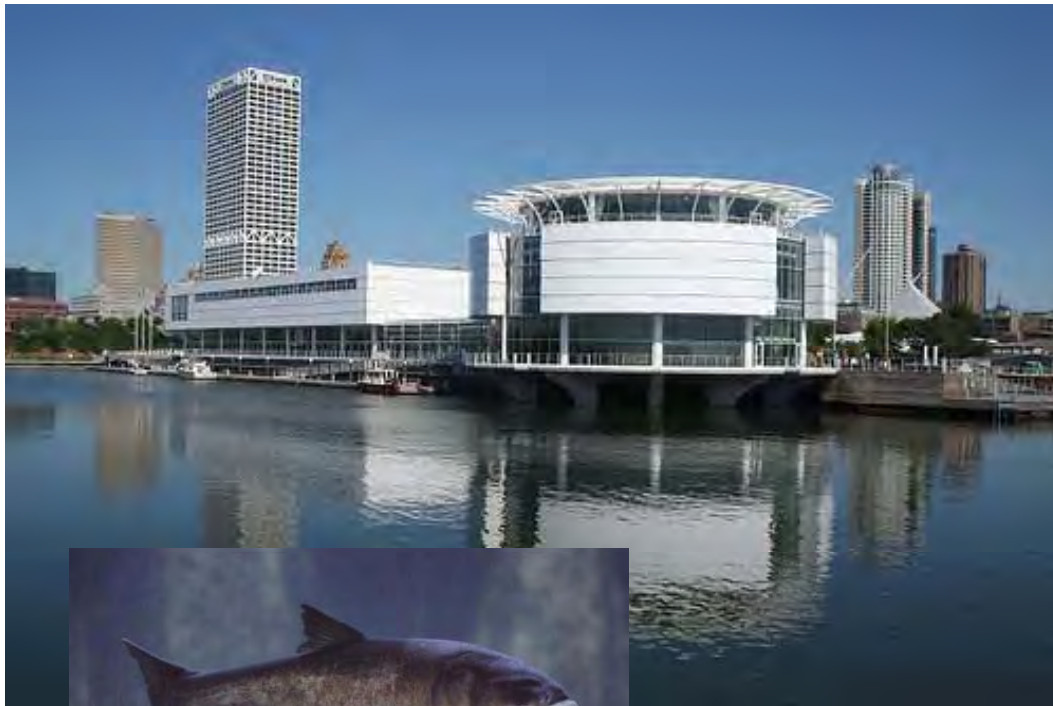
- *Silent Invaders*
- 4 episodes: Sea lamprey, Zebra/Quagga mussels, Asian carp, Round Gobies
- Outlet: Versus Network (debuted last weekend) and others



Filming sea lamprey control



# Discovery World, Milwaukee, WI AIS Exhibit Enhancement & Youth Summer Camp





# Cooperative Weed Management Areas

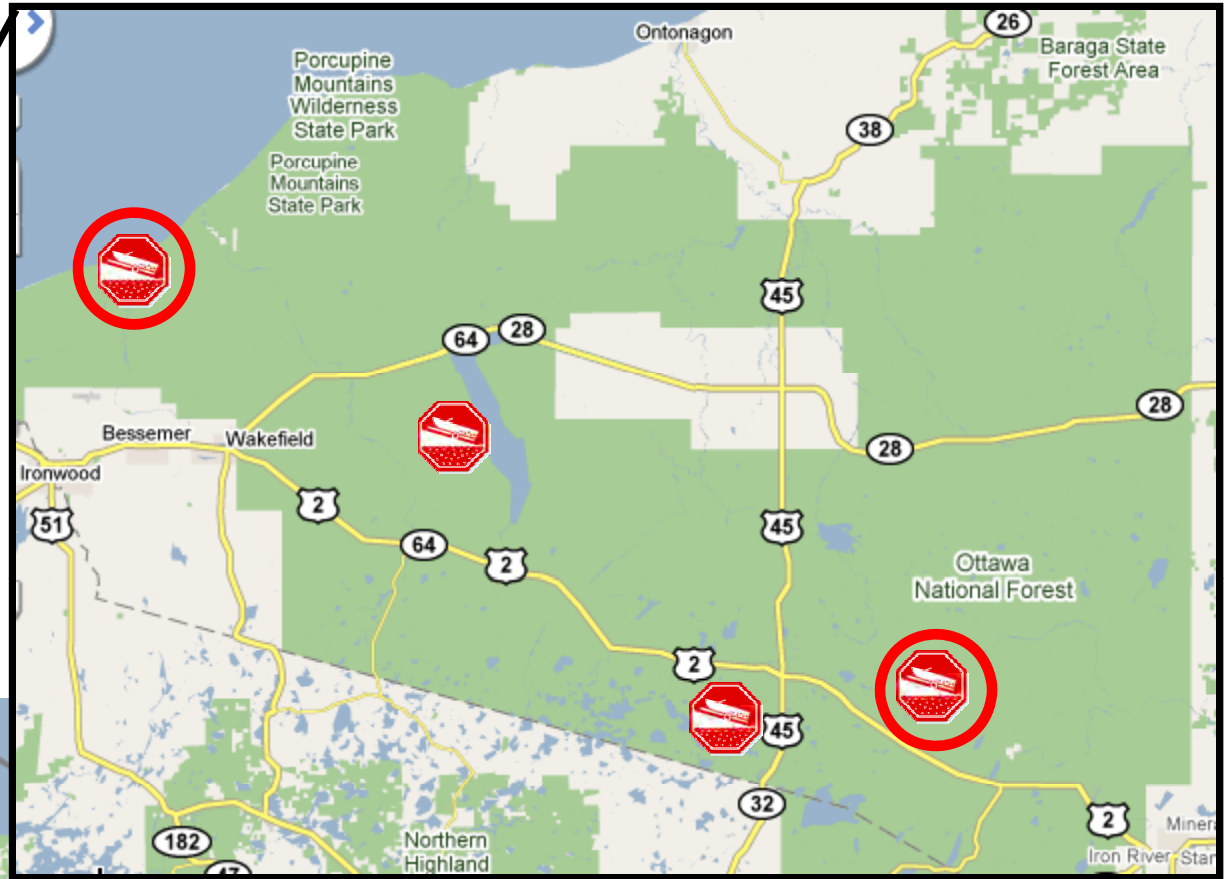
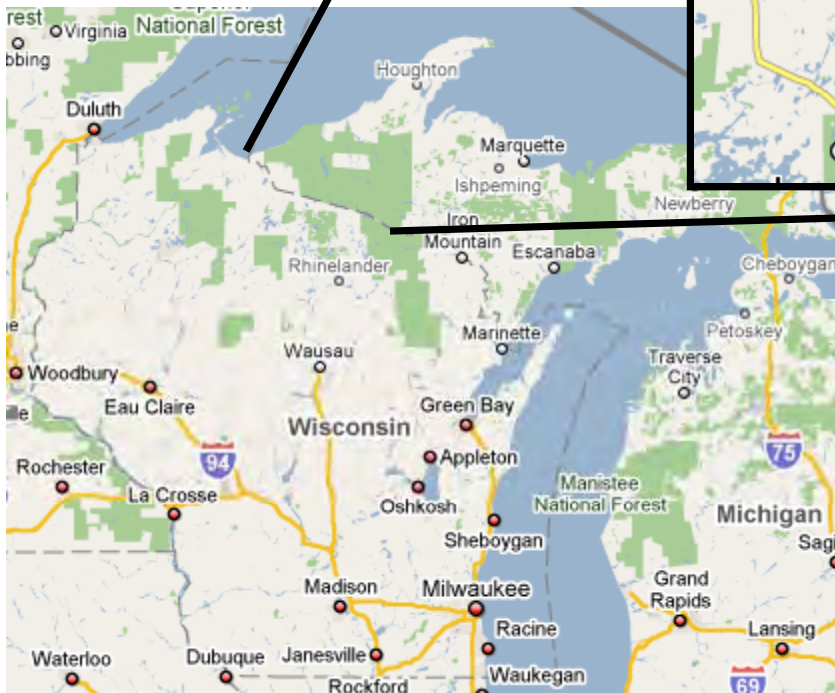



- Established or strengthened **10 CWMA**s overlapping with National Forests



For more information:

<http://www.fs.fed.us/r9/wildlife/nnis/r9-nnis-management-ref.shtml>



-  Boat Cleaning Demonstration Project Areas, Summer 2010
  - Work on Ottawa NF also included survey and monitoring of ~40 lakes + EWM control on 3 lakes (2 chemical, 1 hand-pulling)

# High-pressure Boat Washers (4)



- 18 HP, 3500 max psi
- 240 F max temp
- 280 gallon water tank
- Dual wand, 4 gpm each
- Recirculating, filtration to 5 microns
- ~\$15,000/unit

# Partnership

## Western Upper Peninsula Cooperative Weed Management Area



- Ottawa National Forest
- Iron County Conservation District

- Lake Gogebic Improvement Association
- Watersmeet Lakeguards 9

# Outputs

Category	Result
Staff hours	1,200
People contacted	7,300
Boats washed	686



# What's Next?

- Connect boat washers with fishing tournaments and other high visibility events
- Continue to target invaded sites for containment
- Construction of 2 free-standing self-service wash stations on the Ottawa National Forest
- GLRI-funded portable boat washers on WI and MN national forests in 2011

# Staffing & Deployment

- 9 summer employees (~\$4500/employee)
  - 7 of 9 local residents
- Training
  - Clean Boats/Clean Waters workshops
  - Hands-on, dealer-supplied washer training
  - Follow up on public outreach and equipment operation in field
- Mixed strategy for washer deployment
  - Contain invaded sites
  - Contacts @high-traffic sites



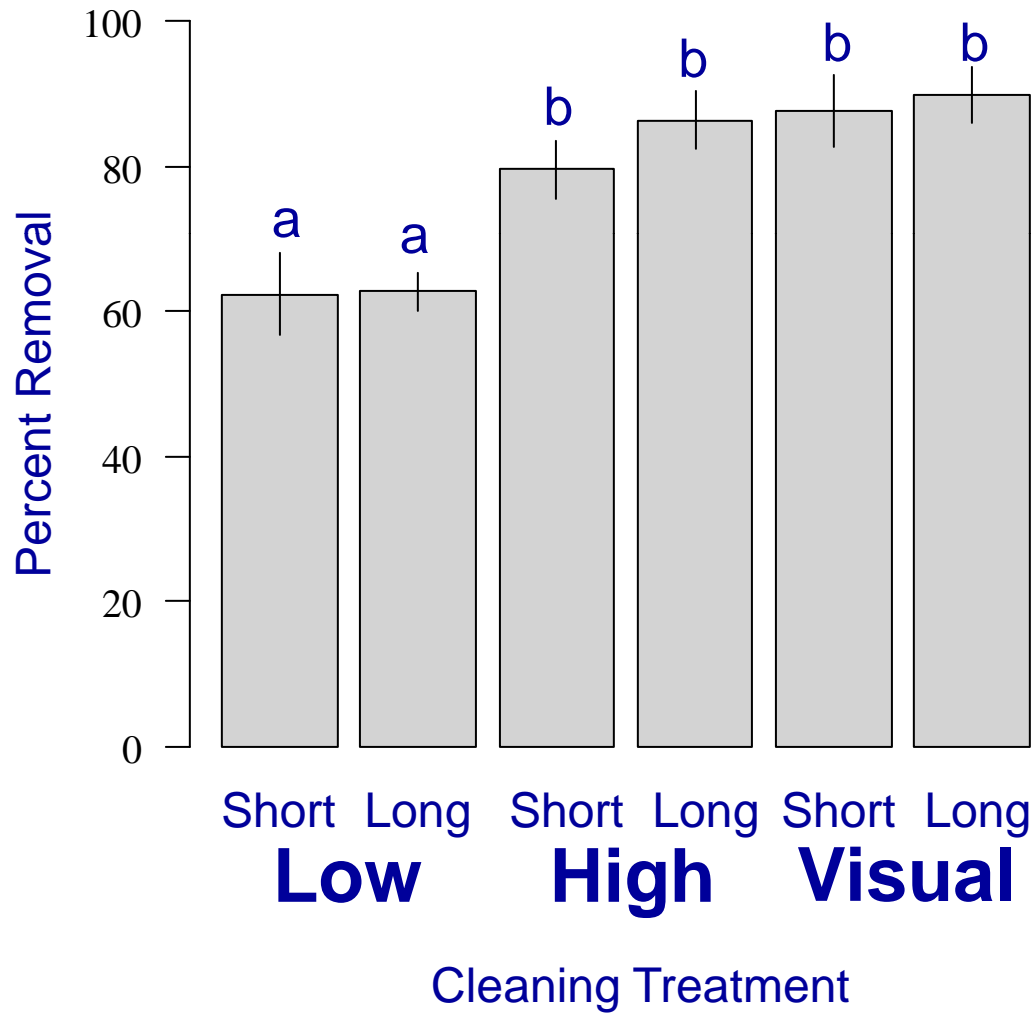
# Boat Cleaning Experiment



# Milfoil Percent Removal



Photo: Wendy Crowell



# Small-bodied Organism Percent Removal

