

Wisconsin's Aquatic Invasive Species Program

A Partnership for Prevention

A Culture of Containment
and
Managing for Control



Presented by
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DNR Aquatic Invasive Species
Coordinator

Thank You

- Hosts
 - Minnesota Invasive Species Advisory Council
 - Invasive Plants Association of Wisconsin
 - Midwest Invasive Plant Network
- Sponsors
 - Soil and Water Conservation Society – Minnesota Chapter
- Planning Committee

A Summary of Wisconsin's Partnership

- Education and Outreach
- Water Craft Inspection
- Wisconsin Water Guard
- Volunteer Monitoring
- Purple Loosestrife Bio Control
- Grants
- Research
- Regulations





Education & Outreach Support

- Statewide message
- Publications & boat launch signs
- Displays & presentations
- Media
 - TV, Radio, Newspaper, Bill boards, etc.



**STOP AQUATIC
HITCHHIKERS!**

Prevent the transport of nuisance species.
Clean all recreational equipment.
www.ProtectYourWaters.net

Watercraft Inspection

- Clean Boats, Clean Waters
 - volunteers trained to monitor local lakes
 - DNR inspection program
 - staff monitor high traffic landings, lakes with invasive species
- Water Guard
- Contact: *Erin McFarlane*
(Up Next)





Volunteer Monitoring

- Trained volunteers collect data on lake health including aquatic invasive species
- Data used to map extent of spread for species
- **Contact:** *Laura Herman*

Wed., 11:05 – Great River I



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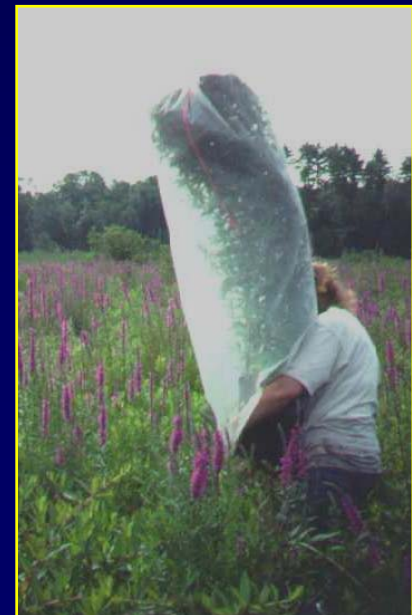
www.ProtectYourWaters.net





Purple Loosestrife Biological Control

- Trained volunteers raise & release beetles
- Beetles available for free—great school or family project
- **Contact:** *Brock Woods*





Aquatic Invasive Species Grants

- Grant Category
 - Education and Prevention
 - Early Detection
 - AIS Control
 - Research and Development
 - Maintenance and Containment



Research Currently Funded

- **UW Madison Center for Limnology**
 - “Smart Prevention” model
 - Rainbow Smelt Eradication – Crystal Lake, WI
- **ACOE - low level chemical treatments for EWM**
- **WDNR - Monitoring Long-Term Effects of Mgmt on EWM**
- **UWSP - EWM Weevils**
- **UW Madison – Dept. of Life Science and Communications - AIS Strategic Communications**

Future Research and Demo Projects

- **Residual Herbicide Toxicity Research**
- **Zebra Mussel – Control**
- **Pathways of Organisms in Trade**
- **Quagga Mussel – Potential**
- **Wetland/Riparian AIS control and prevention strategies**
- **Japanese Knotweed – understanding reproductive pathways**



Wisconsin's AIS Laws

- Preventing the spread
 - *VHS (viral hemorrhagic septicemia) 2007*
 - *Invasive Species Identification, Classification and Control (NR 40) 2009*
 - *Wisconsin Act 55 (Illegal to transport AIS on highways) 2009*
 - *Permits*



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Why do we care?

- **Economic impacts**
 - Fishing industry, tourism, property values
- **Ecological impacts**
 - Native fish, invertebrates, plants
- **Recreational impacts**
 - Boating, angling, swimming

Whats the key message?...

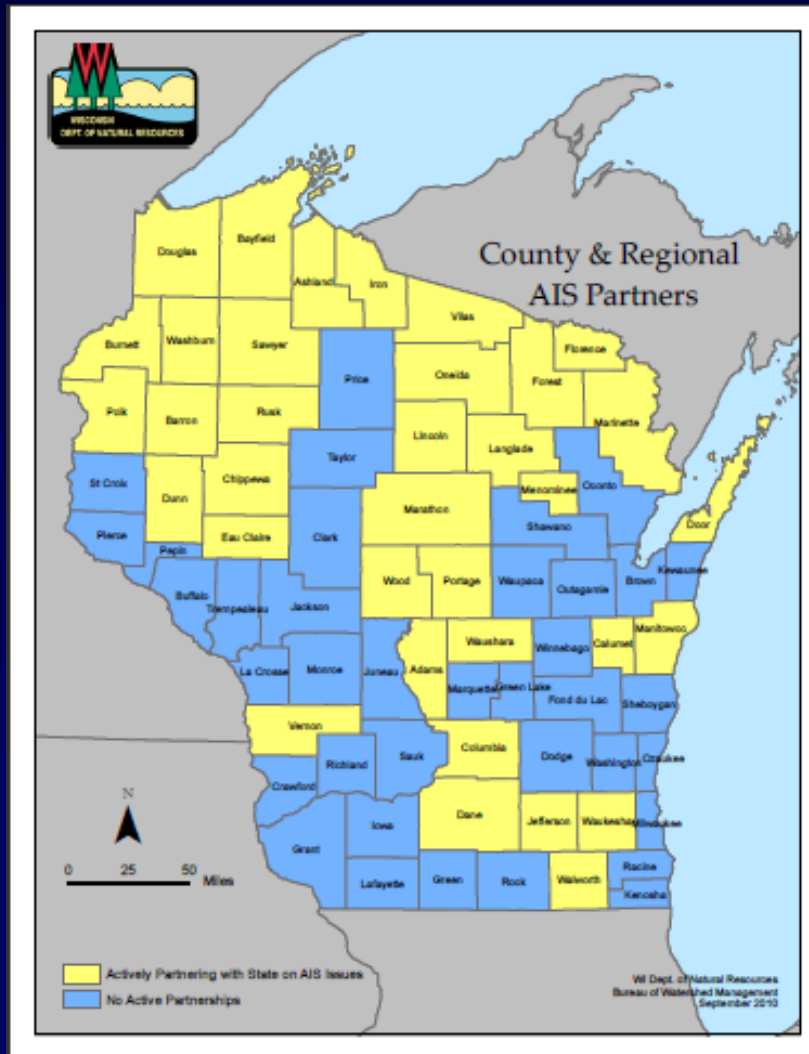


Prevention vs. Restoration

Prevention is always cheaper than restoration.

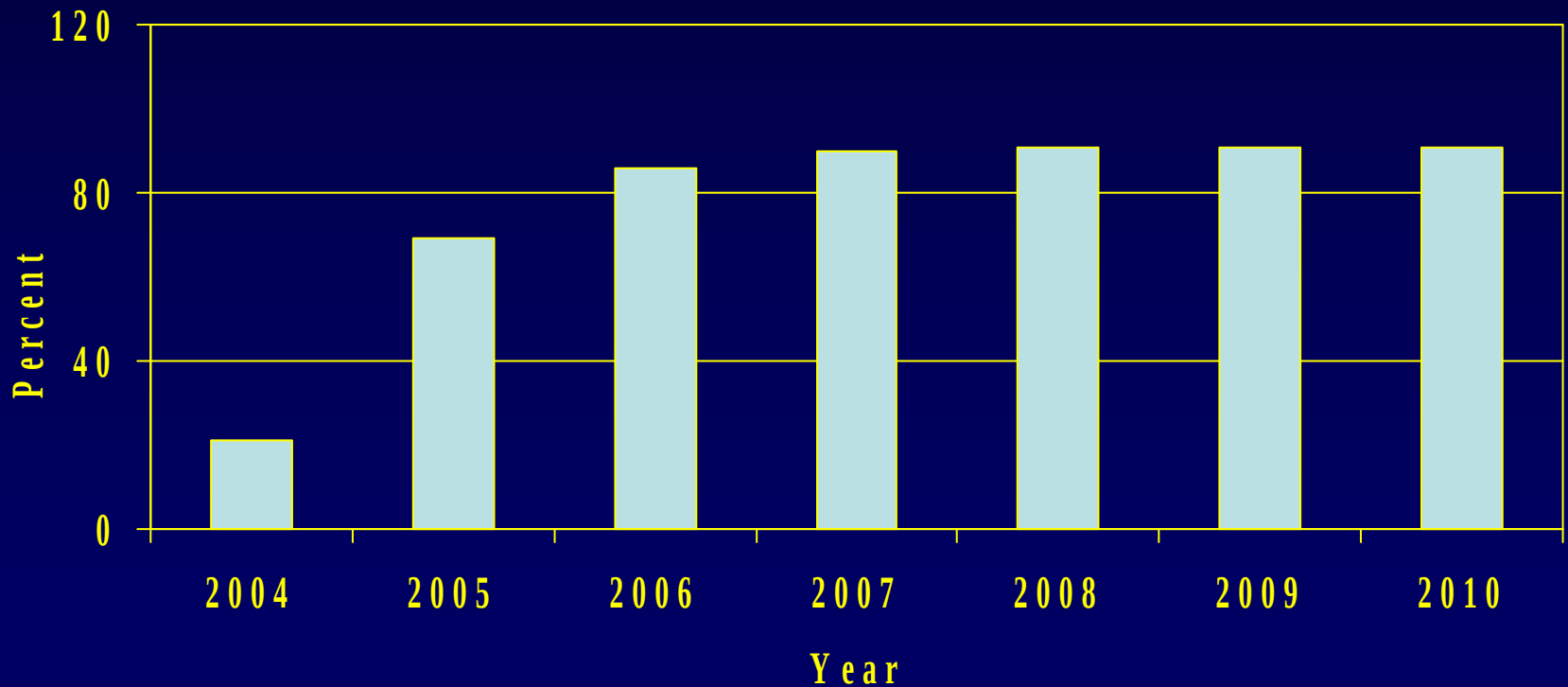


Partnership Outputs



Partnership Outputs

Percent of Boaters Aware of Laws



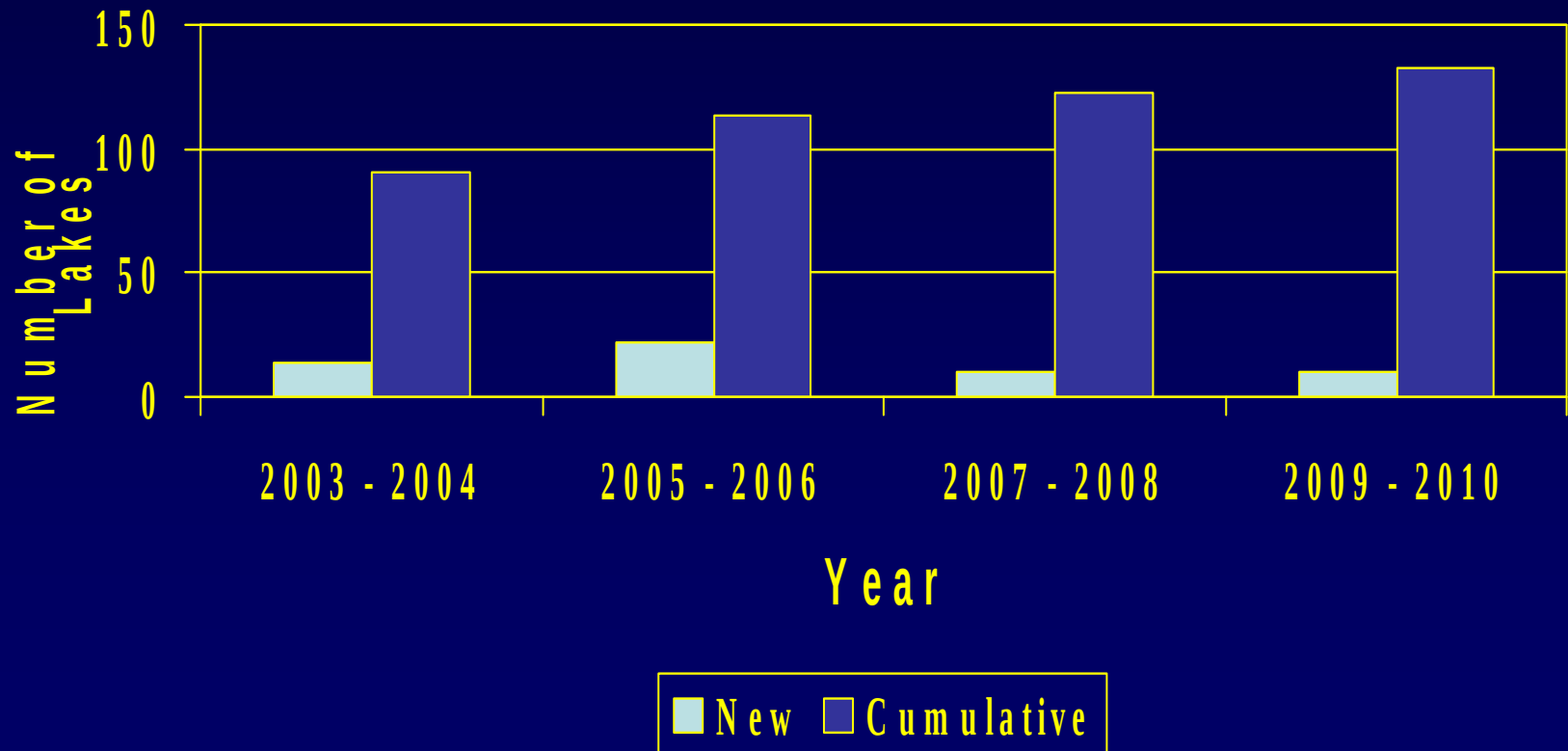
Partnership Outputs

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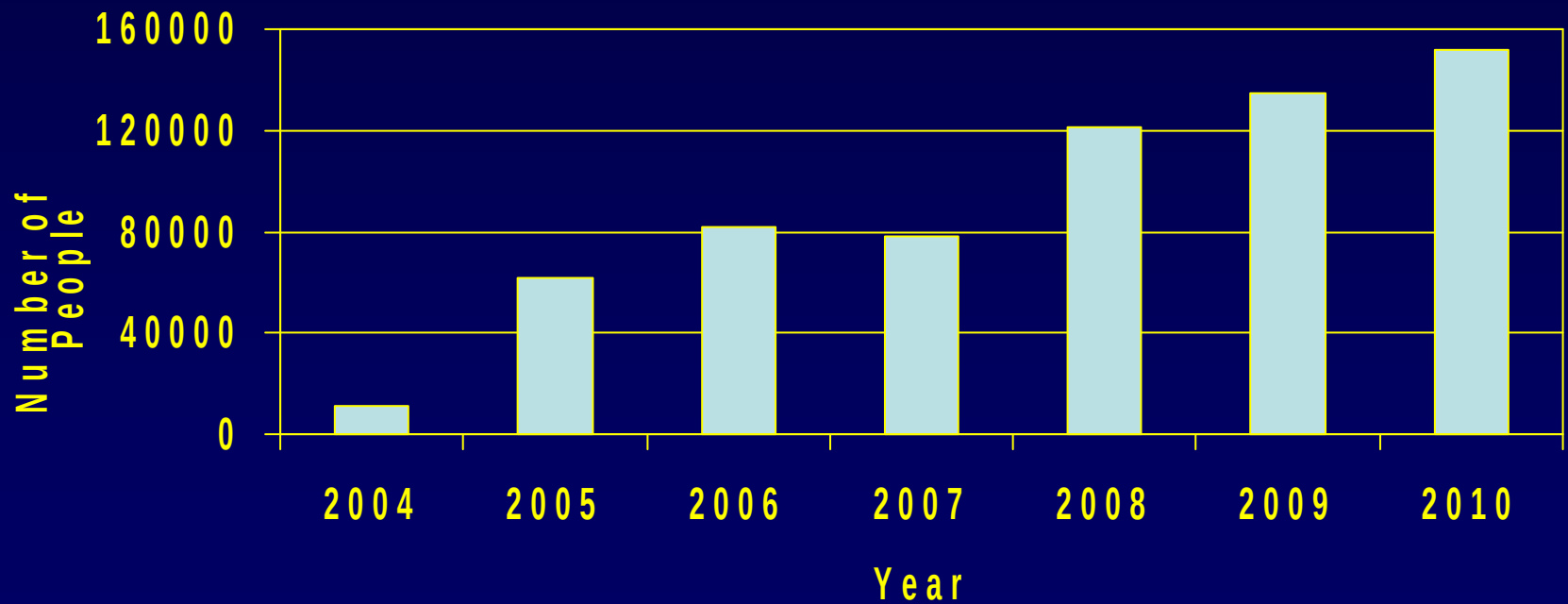
Partnership Outputs

Statewide Zebra Mussels Infestations 2003 - 2010



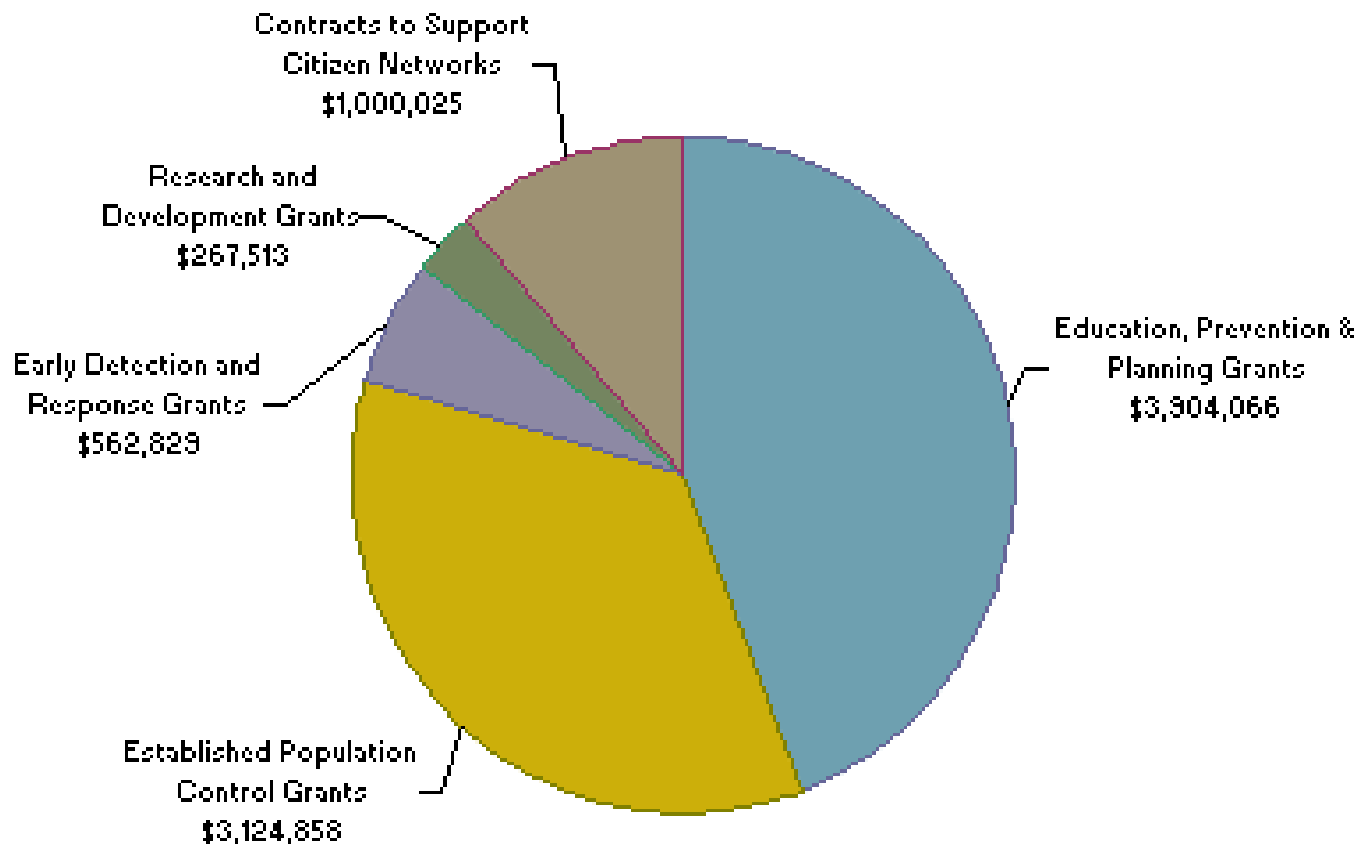
Partnership Outputs

People Contacted During CBCW Inspections
2004 - 2010



Partnership Outputs

Combined Fiscal Years 2009 & 2010



Partnership Areas of Growth

- Monitoring
- Enforcement
- Targeted Social Groups
- Research
- Trade Industry
- Partnerships
- Awareness vs. Compliance

Wisconsin's Partnership



Thanks
for
helping





The aliens are here!



A close-up photograph of a crayfish on a green lawn. The crayfish is reddish-brown with prominent spines on its claws. A light blue speech bubble with a yellow border is positioned to the left of the crayfish's head. In the background, a wooden bench and trees are visible under bright sunlight.

**Take me
to your
leader...**

Esquire Estate – Germantown, WI
Stormwater Detention Pond
Residential Development





Red Swamp Crayfish

- Project Sequence
 - Local citizen observed and called DNR to investigate
 - Containment action taken quickly
 - Trapping revealed significant population
 - Education of subdivision owners
 - Law enforcement presence
 - Eradication strategy developed and implemented by DNR – Treatment with Bleach
 - Follow up monitoring in 2010



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Do you mean I'm not in Louisiana?



Eggs

Trapping Red Swamp Crayfish provided insight into the size of the population.



Trap



Staff Investment





Chemical Control



Safety First





Treatment Day

Media Coverage



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