

What is an invasive plant?

•Weed: plant out of place

•Invasive plants:

- Non-native
- Persist and spread
- Cause economic and/or environmental harm

NR40: Wisconsin's new invasive species rule

Prohibited species

are not yet in the state or only exist as small populations

Restricted species

 are invasive species that are already too widespread to expect statewide eradicated.

http://dnr.wi.gov/invasives/classification/

Updating NR40

- Currently DNR is updating species list
 - Proposed regulated species include:
 - Crown Vetch (restricted)
 - Japanese barberry (restricted)
- Public comment on proposed list of species
- See this link for more info: http://invasivespecies.wi.gov/
- Expected to be approved by: Fall 2014

How do we prevent impact of invasive plants?

- 1. Prevent establishment
- 2. Detect invasions early and eradicate (EDRR)



Contribute invasive plant location information

Great Lakes Early Detection Network = GLEDN – www.gledn.org

PROVIDES

- 1. Framework for data sharing
 - Casual observers can enter observations through GLEDN
- 2. Resources
 - 1. Distribution maps
 - 2. Weed alert system
 - http://apps.bugwood.org/mobile/gledn.html





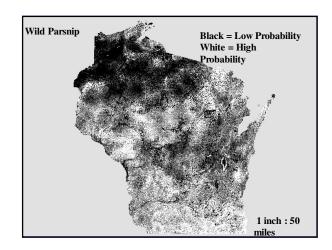


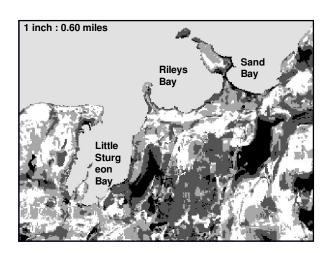






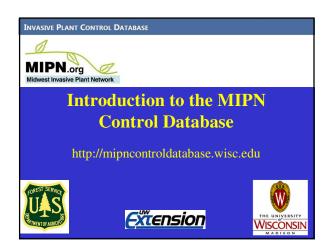
Is this accurate enough for local management decisions? Longwood Marshfeld Weston Shawano Angelica Suamico Green Bay Ashwaubenon Pairi Rapids Plover Sherdan Waupaca Aphidon Neengh Neengh Rapids Portage Richford Richtord Richto











WI First Detector Network

- Train a network of volunteers who are willing to respond to reports of invasive species
 - Assist Federal, State and Local agencies
 - Improve knowledge of invasive species distribution
- First training will be winter 2013-14
 - Trained in person or through online tutorials
 - Yearly gathering/conference to present accomplishments, receive awards, and network

Current invasive projects in my lab

- Composting buckthorn and garlic mustard seeds
- Developing predictive maps for invasive plant spread
- Determining the impacts of Canada thistle on prairie establishment
- Effectiveness of herbicides on Japanese knotweed, sweet clovers, crown vetch
- Invasiveness of ornamental plants