Indiana Wetlands

Health and Restoration

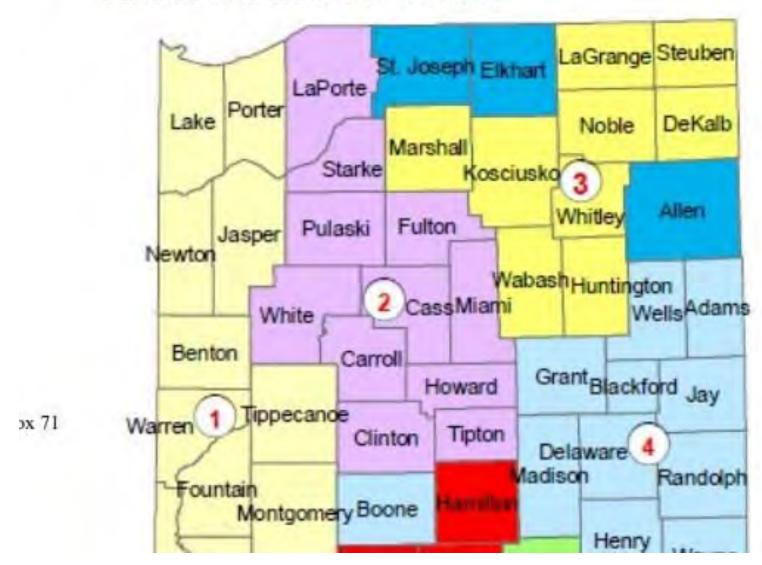


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Wildlife Biologist
Division of Fish & Wildlife



Wildlife Biologists

Indiana DNR Division of Fish & Wildlife





Keeping Wetlands Healthy

Monitor and Control Invasive Species

- Reed Canary Grass
- Purple loosestrife
- Phragmites
- Cattails



Reed Canary Grass





Reed Canary Grass





Phragmites / Common Reed





Phragmites / Common Reed





Cattails





Cattails





Purple Loosestrife





Invasives Continued....

- Autumn Olive
- Honeysuckle
- Garlic Mustard
- Glossy Buckthorn
- Callery Pear
- Canada Thistle

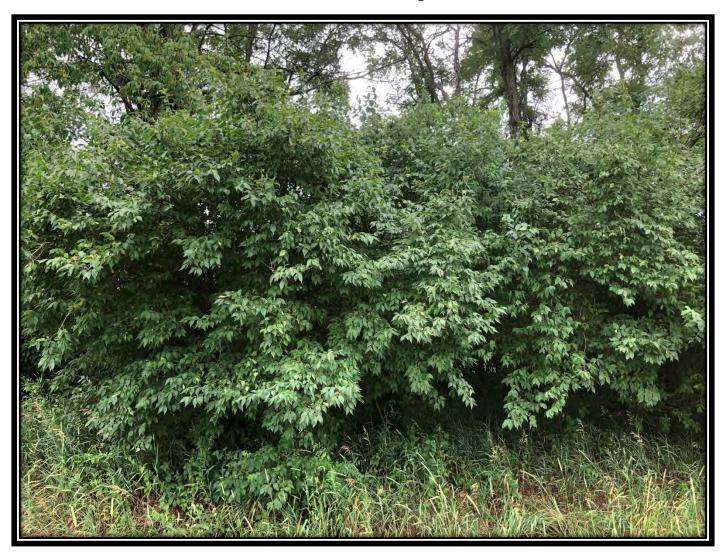


Autumn Olive





Asian Bush Honeysuckle









Canada Thistle





Healthy Wetlands: What can you do?

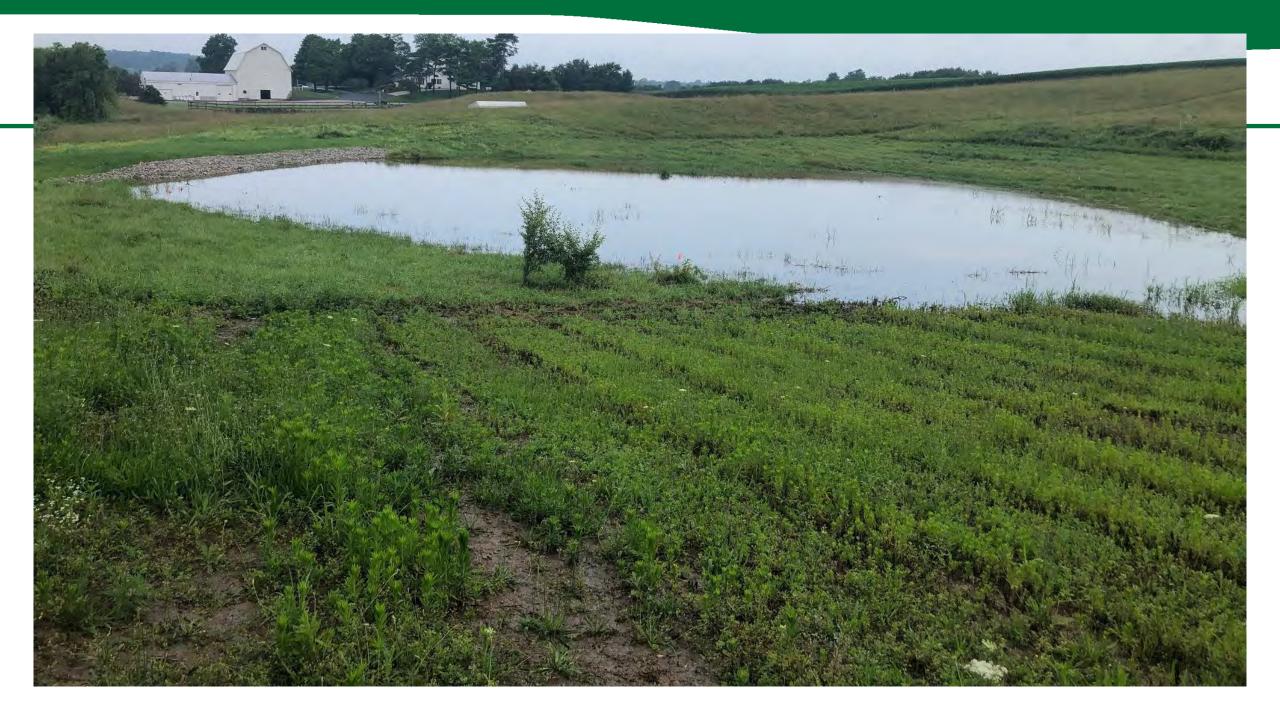
- Create native buffers around wetlands
 - Native Grass and Pollinator Plantings Filter Strips
 - An area of vegetation intended to slow water runoff and filter out sediment, fertilizers, pesticides, and other pollutants
- Avoid pollution when possible
 - Agriculture runoff, fertilizer, chemical
 - Used waste
- Promote Wetland Restoration in previously drained wetlands



Wetland Restoration Projects

- Landowner Contacts
- Site visit and evaluation
- Site survey and design
 - Make sure it's possible
- Does the site impact the neighbors?
- Funding, cost-share and partnerships
- Completion

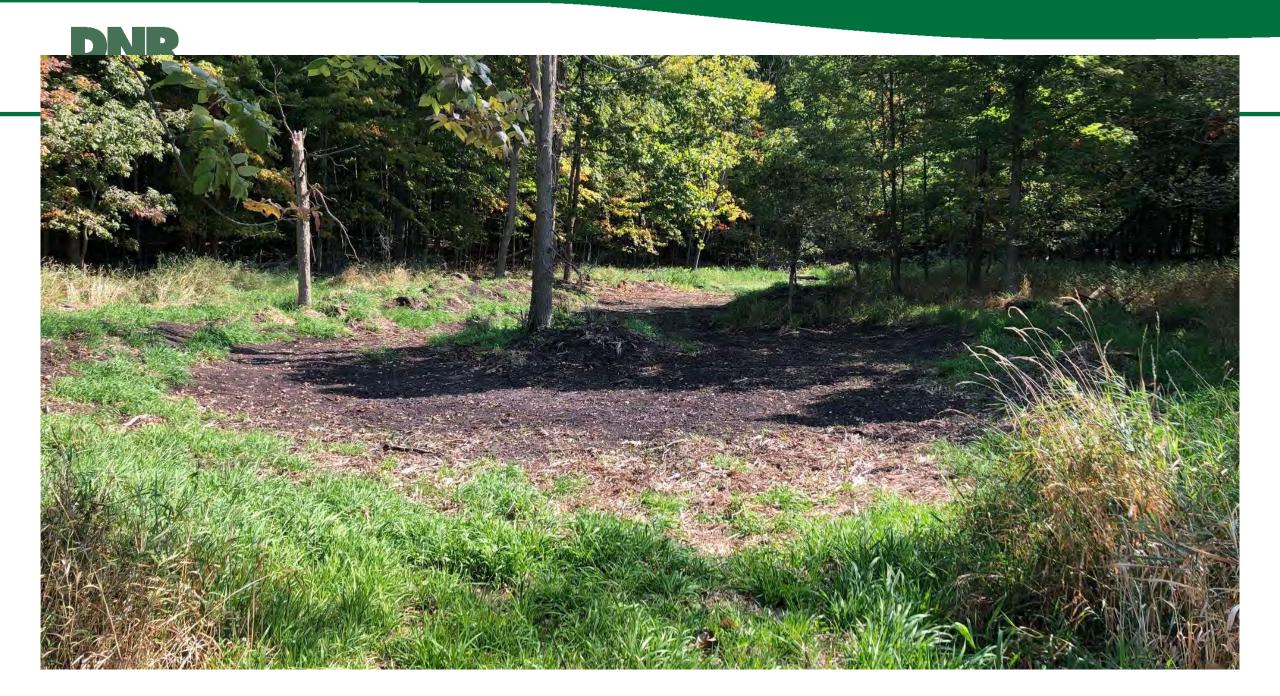




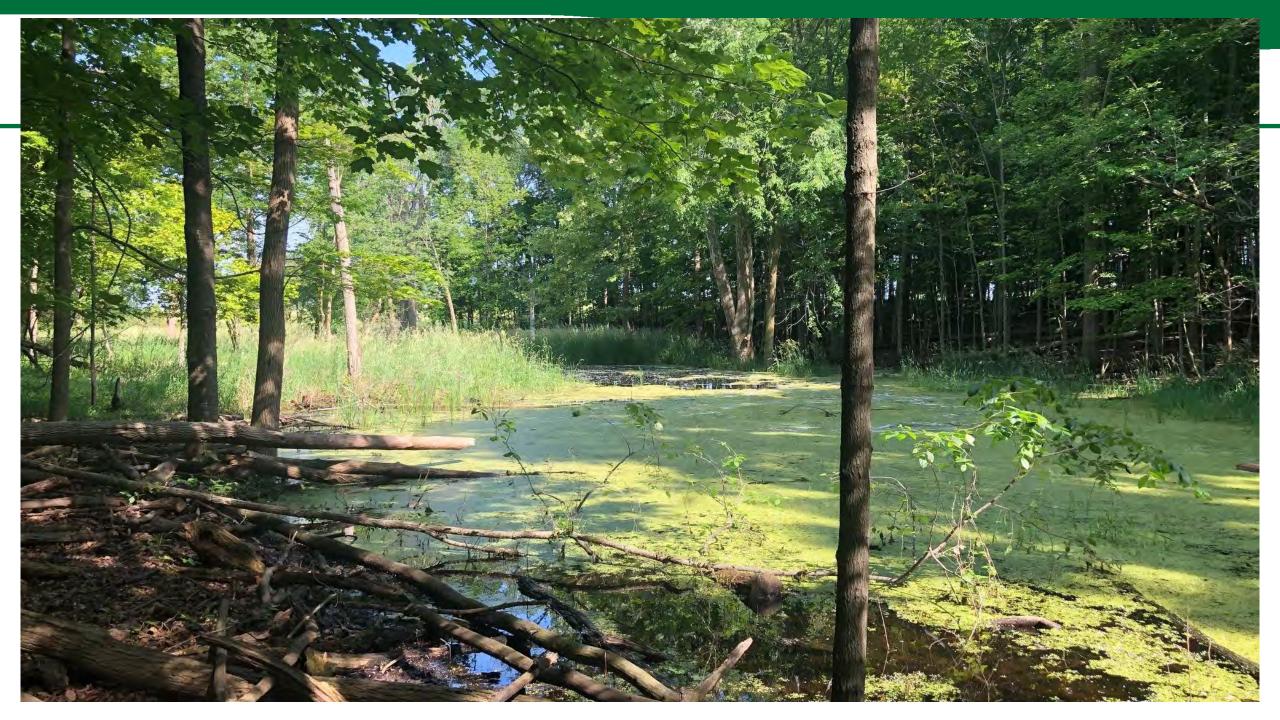




- Site Survey
- Tile search and removal
- Small earthen berm
- Emergency spillway and overflow pipe
- Rock installation on the berm face









- Site survey
- Tile search and removal (x2)
- Small earthen berm
- Overflow pipe and tie in with existing tile
- Rock installation at overflow pipe



Project Overview:

Restored about 3 acres of previously drained wetlands

Reduce erosion

Filters water and sediment

Wetland habitat for numerous migratory bird species

Quick and inexpensive

Project Partners:

USFWS, Ducks Unlimited, Indiana DNR, Landowner

















Project Overview:

Restored about 16 acres of previously drained wetlands Wetland habitat for numerous migratory bird species Lake Erie, Maumee River Watershed Filter water, sediment and help with erosion concerns

Project Partners:

USFWS, Ducks Unlimited, Indiana DNR, Landowner



Questions?

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