

Wetland Health

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Healthy Wetlands: What can you do?

Do you need to do anything to keep wetlands healthy?

- Yes, sometimes
 - ❖ People have altered the landscape by introducing non-native plant species that have become invasive
 - ❖ People have also altered the landscape by damaging or removing wetland habitat buffer areas

Healthy Wetlands: What can you do?

Monitor and Control Non-Native Invasive Species

- Reed Canary Grass
- Phragmites / Common Reed
- Cattails
- Purple Loosestrife

Reed Canary Grass



Reed Canary Grass



Phragmites / Common Reed



Phragmites / Common Reed



Cattails



Cattails



Purple Loosestrife



Healthy Wetlands: What can you do?

Monitor and Control Non-Native Invasive Species

- Autumn Olive
- Asian Bush Honeysuckle
- Canada Thistle
- Callery Pear

Autumn Olive



Asian Bush Honeysuckle





Asian Bush Honeysuckle

Autumn Olive

Canada Thistle



Healthy Wetlands: What can you do?

Control Non-Native Invasive Species

- Herbicide Application
 - ❖ Imazapyr
 - ❖ Triclopyr
 - ❖ Glyphosate
- Prescribed Fire
- Mechanical
 - ❖ Mowing
 - ❖ Removal with heavy equipment

Healthy Wetlands: What can you do?

Establish Vegetation Buffers Around Wetlands

What is a vegetative buffer area?

- An area of vegetation intended to slow water runoff and filter out sediment, fertilizers, pesticides, and other pollutants

Healthy Wetlands: What can you do?

Establish Vegetation Buffers Around Wetlands

Vegetative buffers can include:

- Grasses
- Wildflowers
- Trees and Shrubs

Buffers are preferably native vegetation

- Native vegetation is healthier for the wetland and provides more value to wildlife

Healthy Wetlands: What can you do?

Establish Vegetation Buffers Around Wetlands

Vegetative buffer width:

- Buffers of 100' – 300' widths are recommended
- The wider the buffer the better
- Small buffers are better than no buffers

Healthy Wetlands: What can you do?

Establish Native Wetland Vegetation

- Utilize the current seed bank
- Seed is spread naturally by air or birds and mammals
- Broadcast native seed
- Plant native vegetation plugs

Wetland Buffer



Wetland Buffer



Healthy Wetlands: What can you do?

Restore a Wetland

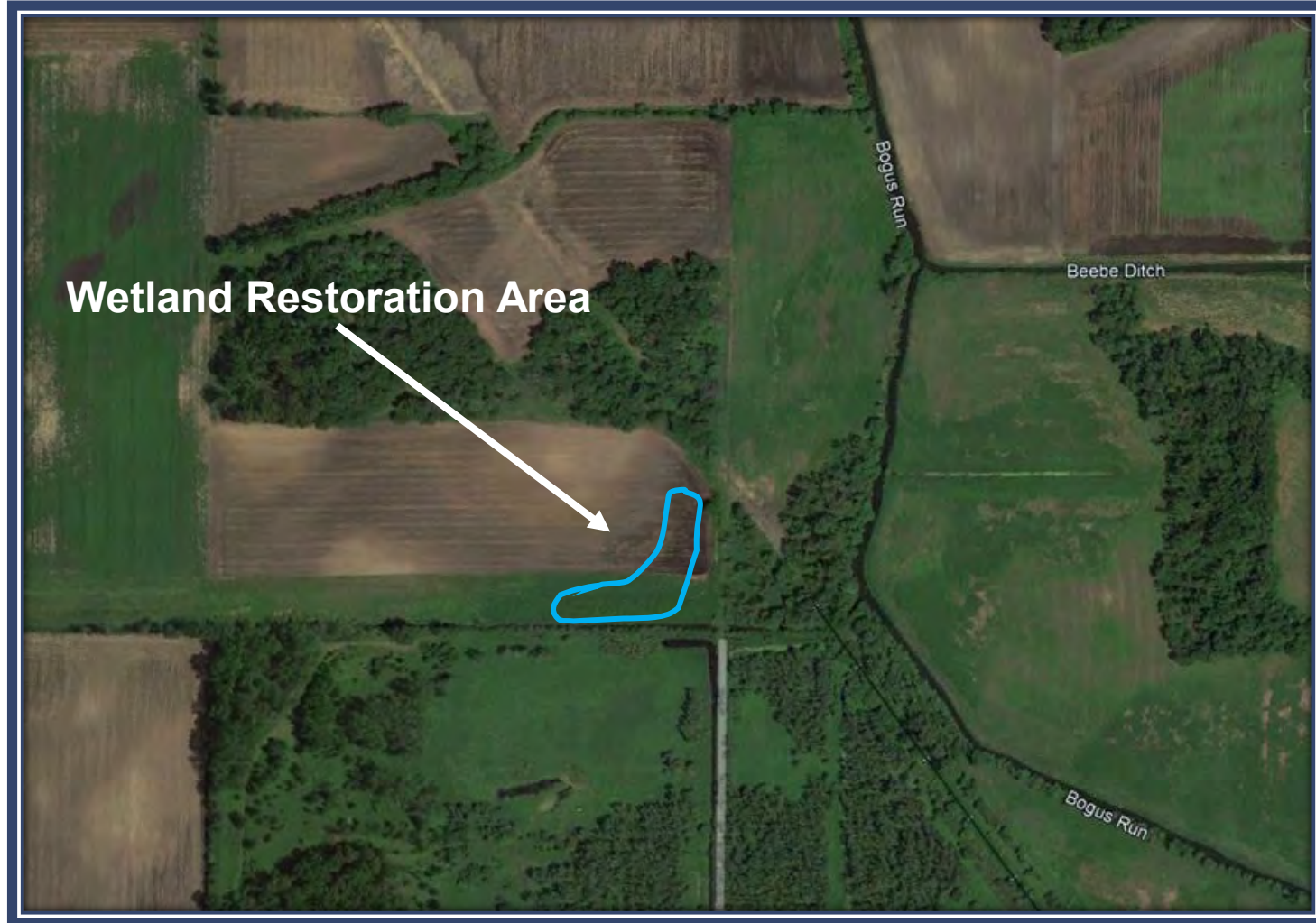
2011



Wetland Restoration – 2015 Aerial Photo



Wetland Restoration – 2015 Aerial Photo



2018



2018



2018



2019



2019



Wetland Restoration



2020



2020



2022



2022



2022



2018



2021



2018



2018



Questions?

