



State Natural Areas Phragmites Control

Wisconsin Department of Natural Resources
Bureau of Endangered Resources





Door County SNA's

- 28 SNA's
- 8 partners
- 9,600 acres
- 15 square miles
- 3% of Door County



Meridian Park



Habitat Types

- Swale - Sedge Meadow - Fen
- Beach - Bedrock and Sand
- Lake Bed
- River - Reboltz Creek



Phragmites Control on State Natural Areas

Sedge Meadow/fen





Phragmites Control on State Natural Areas

Baileys Harbor Boreal Forest and Wetlands





Phragmites Control on State Natural Areas

Moonlight Bay Bedrock Beach





Phragmites Control on State Natural Areas

North Bay





Phragmites Control on State Natural Areas

Reboltz Creek





Phragmites Control on State Natural Areas

Ridge's Swale - native





Phragmites Control on State Natural Areas





Phragmites Control on State Natural Areas

Ridge's Swale 2 years later





Phragmites Control on State Natural Areas

Herbicide Damage - 2nd year





Phragmites Control on State Natural Areas

Pickerel Pond - native





Phragmites Control on State Natural Areas

Pickerel Pond - native





Phragmites Control on State Natural Areas

Pickerel Pond - non-native





Phragmites Control on State Natural Areas

Pickerel Pond - non-native





Phragmites Control on State Natural Areas





Phragmites Control on State Natural Areas

Pickerel Pond - Non-native





Phragmites Control on State Natural Areas

Moonlight Bay - 2nd year ?





Phragmites Control on State Natural Areas

Non-native - 3 years old?





Phragmites Control on State Natural Areas

Spray and 1 year old cut stems





Phragmites Control on State Natural Areas

North Bay





Phragmites Control on State Natural Areas

North Bay





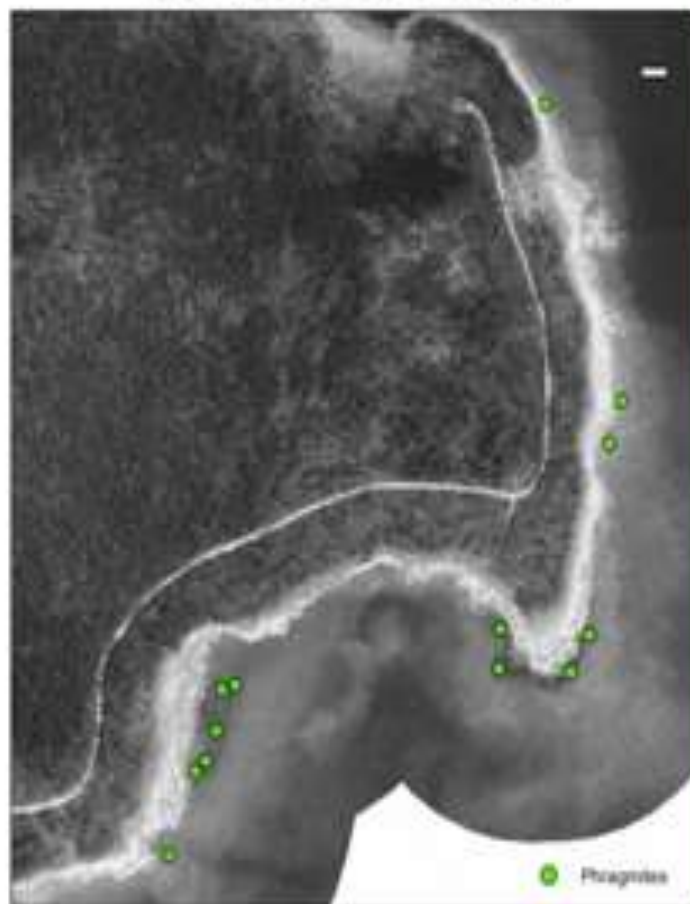
Phragmites Control on State Natural Areas

Mud Bay - 20 acres - \$175/ac.





Toft Point SNA





EPA Grant for the GLRI

- EPA - GLRI \$805,000
- 118 miles of shoreline
- 3,600 acres of coastal wetlands
- Six Counties - Northeast Wisconsin
- 25 State Natural Areas, 6 State Parks, 3 State Wildlife Areas, public and private land
- Also will control Lyme Grass



Partners Include

- Brown, Door, Oconto Counties, Land and Water Conservation Department
- Marinette County Land and Water Conservation Division
- Door County Land Trust
- The Nature Conservancy
- The Ridges Sanctuary
- Woodland Dunes Nature Center



Work Plan

- Three field seasons beginning in 2011.
- DNR is hiring a 3 year project coordinator that will be located in Green Bay.
- Plan to use back pack spraying and aerial spraying.
- Will use DNR crews and private contractors.
- Most of work in riparian areas.



Herbicides

- Have used Rodeo, Clear Cast and Habitat herbicides.
- Rates for Back Pack Spraying (oz./gallon of water) Rodeo 13 oz., Clear Cast 3 oz., and 1.5 oz. Habitat. Also use same amount of MSO
- Cut stem (oz./gallon of water) Rodeo 32 oz., Clear Cast 8 oz., and 6.5 oz. Habitat plus same a



Habitat Herbicide

- Habitat is not a “restricted use” chemical but you need to have aquatic certification to purchase and apply.
- Kills everything.
- There is a carry over in the soil.
- However, seed bank recovers in riparian areas.
- Can impact trees.