



Wetland Habitat Improvement Options for Private Landowners

- Processes – Restoration & Enhancement
- Procedures – Permits, Design & Other
- Programs – Available Assistance



Wetland Types







EASTW

Restorable Wetlands - what do we need

- Basic Three, the Trio, the Holy Trinity, the Mirepoix.....

















Restoration Influences

Social

- ownership
- infrastructure
- land use history
- landowner wishes
- costs

Biological

- Hydrology
 - water source
 - watershed land use
 - drainage features
- Soils
- Vegetation
 - Invasive species
 - Rare species

Restoration & Enhancements

Enhancements

- Water Control
 - Changing Hydrology
 - Changing Vegetation
- Coarse Woody Debris
- Other Wildlife Structures
- Planting
- Management

Design & Restoration

- Ditchfills
- Ditchplugs
- Scrapes
- Berms
- Tile Breaks

DITCHFILL



EMBANKMENTS



BEFORE



AFTER

SHALLOW WILDLIFE SCRAPE







DITCHPLUG



DITCHPLUG WITH SHEET PILING





DISRUPT TILE DRAINAGE





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Water Control





Automatic.
Automatic.)



456
976

Handle (included) is used to
install and remove stoplogs.



5" and 7" stoplogs
for adjustability.



PVC boards with stainless steel lifting
hooks used in structures with 15",
18", and 24" pipe sizes.

Aluminum extruded
corners with stainless
steel screws, and flexible
rubber connectors
with heavy duty stainless
steel clamps.

TYPICAL INSTALLATION

Inline Water Level Control Structure™







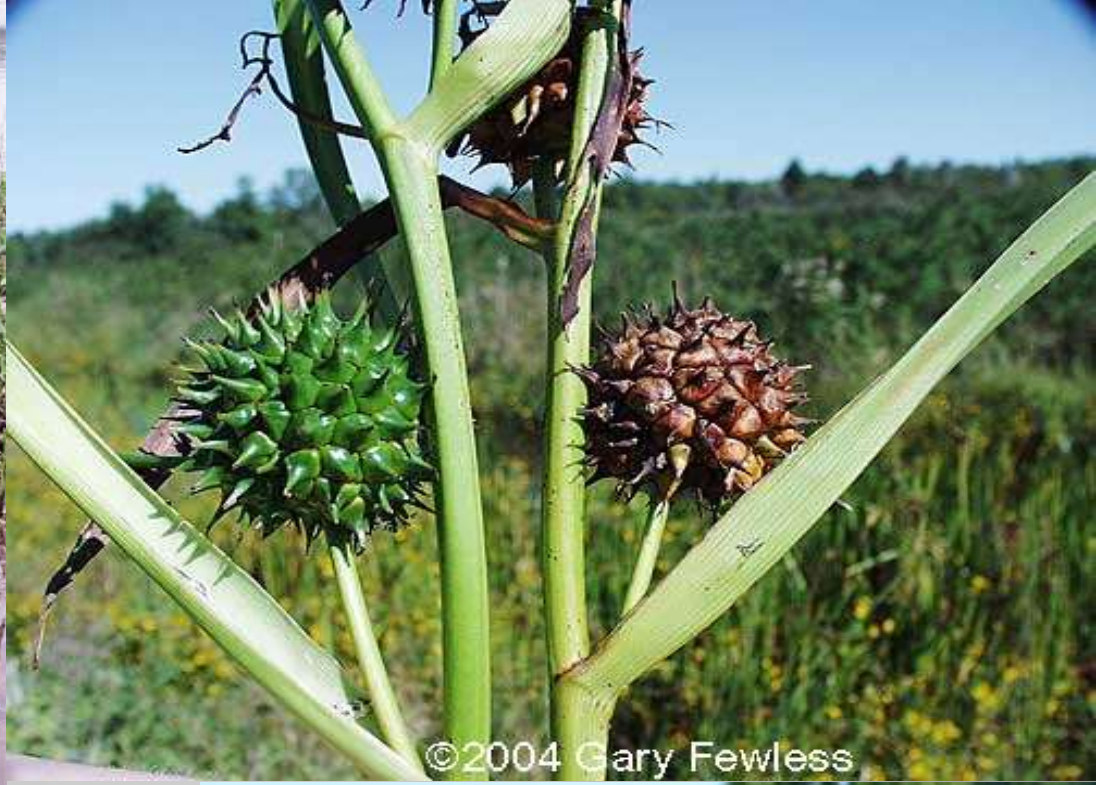








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Determine Permit Required

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Question 8 :

Are you proposing a dam, berm, dike or embankment that is:

- Less than 2 feet in height as measured from the natural ground level and impounds less than 50 acre feet of water
- Less than 6 feet in height as measured from the natural ground level and designed by a professional engineer registered in the State of Wisconsin or the project is being submitted by county, state or federal agency

You've answered **Yes**

You may qualify for a wetland conservation general permit. Please visit the [General permits](#) page to apply. ***Please note: WAMS ID and password needed to apply.** If you do not have a WAMS ID, you must [register](#) for one prior to proceeding.

Previous

Start Over

[Print text version](#)

<http://efotg.sc.egov.usda.gov/references/public/WI/638.pdf>

- Wetland Restoration <http://efotg.sc.egov.usda.gov/references/public/WI/657.pdf>

Previous

Start Over

MEMORANDUM OF UNDERSTANDING

BETWEEN THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES, THE UNITED STATES FISH AND WILDLIFE SERVICE, THE NATURAL RESOURCES CONSERVATION SERVICE AND THE UNITED STATES ARMY CORPS OF ENGINEERS

(Revisions October 20, 2011)

I. PURPOSE

THIS MEMORANDUM OF UNDERSTANDING (MOU) is entered into by and among the Wisconsin Department of Natural Resources (WDNR), the United States Fish and Wildlife Service (FWS), the United States Department of Agriculture Natural Resources Conservation Service (NRCS), and the United States Army Corps of Engineers, St. Paul District Regulatory Branch (ACOE) to improve cooperation between the agencies. As such, this MOU is not intended to create any right or benefit, substantive or procedural, enforceable at law by any party against the United States, its agencies, its officers, or any person. This MOU has been developed to coordinate the four agency programs for the purposes of: (1) facilitating the restoration of wetlands; (2) managing wetlands to protect diversity of species, wildlife health and ecological integrity; (3) protecting public rights in navigable waters, including navigation, fisheries, wildlife, water quality and quantity; (4) protecting life, health and property from flood and dam hazards; (5) streamlining regulatory processes for wetland restoration and enhancement activities, including eliminating duplication of professional staff effort; and (6) tracking wetland acres gains through voluntary wetland conservation projects. The signatories intend to conduct the activities contemplated in this MOU in accordance with existing authorities (see Section IV below). If any provisions of this MOU are determined to be inconsistent with existing laws or regulations or directives governing the signatories, then the provisions of this MOU not affected by a finding of inconsistency shall remain in full force and effect. This MOU may be modified as necessary, by mutual agreement of all parties, by a written amendment signed and dated by an authorized representative of each party.



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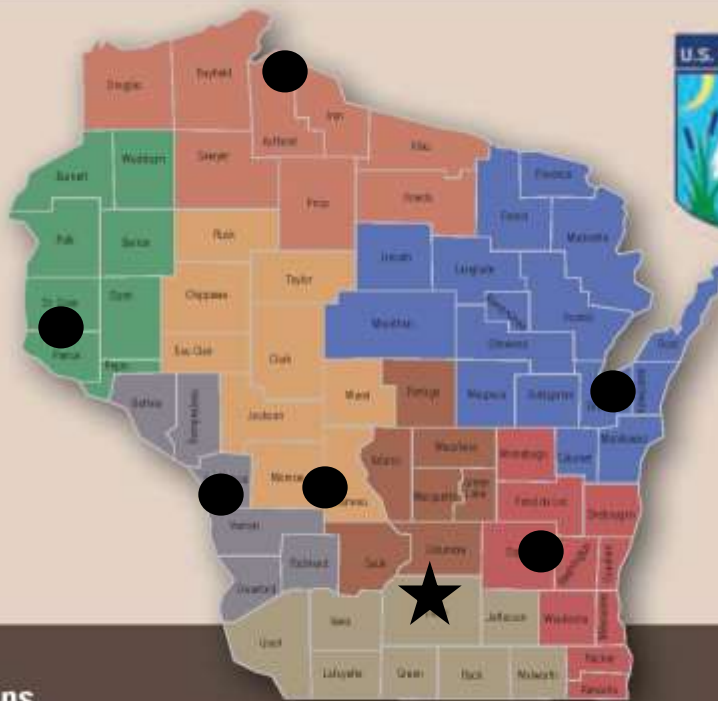
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U.S. Fish and Wildlife Service



<http://www.fws.gov/midwest/partners>

Promoting Private Land Conservation Throughout Wisconsin.



Contact Stations

Ashland Fish and Wildlife Conservation Office

2800 Lake Shore Drive East
Ashland, WI 54806
715-682-6185 x15

St. Croix Wetland Management District

1764 95th Street
New Richmond, WI 54017
715-246-7784

Upper Mississippi River National Wildlife Refuge

N5727 County Road Z
Onalaska, WI 54650
608-779-2388

Necedah National Wildlife Refuge

N11385 Headquarters Road
Necedah, WI 54646
608-565-4418

Ecological Services Field Office

2661 Scott Tower Drive
New Franken, WI 54229
920-866-1735

Horicon National Wildlife Refuge

W4279 Headquarters Road
Mayville, WI 53050
920-387-2658

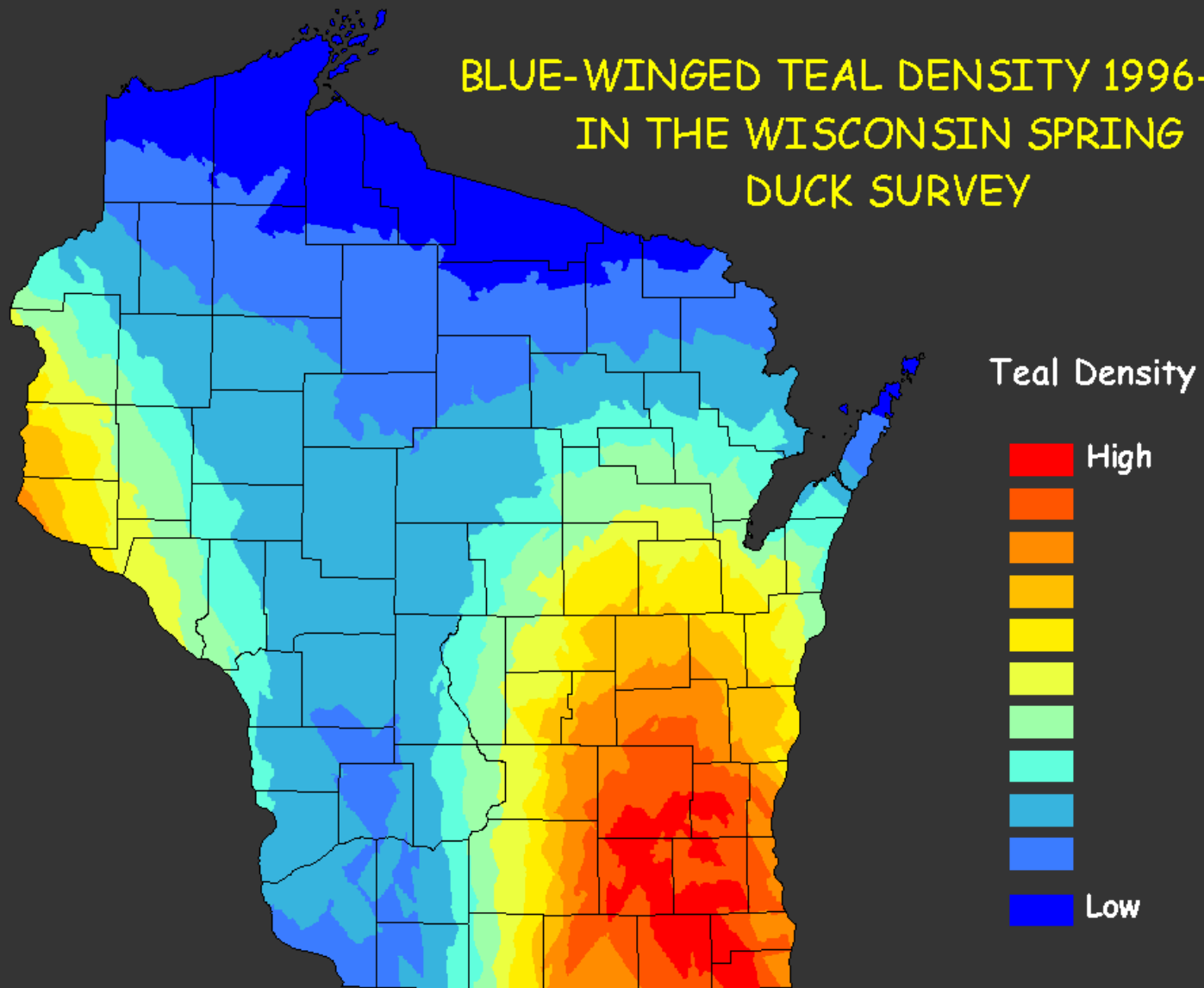
Wisconsin Private Lands Office

4511 Helgesen Drive
Madison, WI 53718
608-221-1206

* Primary contact for additional information.

Contact us at: wisconsinplo@fws.gov or visit our webpage at <http://www.fws.gov/midwest/WisconsinPartners/>

BLUE-WINGED TEAL DENSITY 1996-2005 IN THE WISCONSIN SPRING DUCK SURVEY









U.S. Department of Agriculture
Natural Resources Conservation Service



Wetland Reserve Easement (WRE) Program

- Privately owned, 24 months
- 30 year and Permanent Easement Options

Eligibility Criteria:

- Wetlands farmed under natural conditions
- Converted cropland
- Farmed wetland pasture
- Farmland that has become a wetland as a result of flooding
- Riparian areas which link protected wetlands
- Forested wetlands
- Pasture or production forest land where the hydrology has been significantly degraded
- Lands adjacent to protected wetlands that contribute significantly to wetland functions and values
- Previously restored wetlands that need long-term protection















Questions?

