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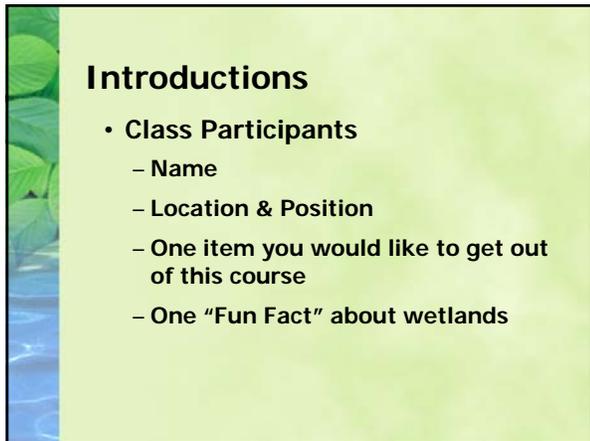
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**Are There Different Kinds of Wetlands?**

- Regulated wetland
- Scientific wetland
- Problem wetland
- Artificial wetland
- 1987/89/91 Wetland Definitions
- FSA wetland
- COE wetland
- My/Your wetland

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**1994 Interagency Wetland MOA  
Wetland Courses (actually rescinded)**

* Hydrophytic Vegetation	USFWS
* Reg. IV (Wetland ID & Delineation)	COE & NRCS
* Reg. V (Hydrogeomorphology)	COE & NRCS
* Hydric Soils	NRCS
* Hydrology Tools	NRCS
* Wetland Restoration & Enhancement	NRCS
Advanced Hydrophytic Vegetation	USFWS
Advanced Hydric Soils	NRCS
Advanced Wetland Restoration	NRCS
# Wetland Delineation for NRCS	NRCS
# Wetland Protection Provisions for NRCS	NRCS

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**Wetland Restoration & Enhancement - Course Listing**

- Mississippi: Bottomland Hardwoods
- South Dakota: Prairie Potholes
- Oregon: Pacific NW Forest & Depressional Wetlands
- New York: NE Forest & Depressional Wetlands
- Iowa: BLH and Riverine Wetlands
- North & South Carolina: Flats & Carolina Bays
- Oklahoma: Floodplains & Bottomlands
- California: Freshwater Wetlands
- Nebraska: Rainwater basins

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**MOA Rescinded & Joint Guidance Enacted**

- 2005 NRCS formally withdrew from the 1994 Wetlands MOA with COE, FWS, & EPA.
- Causes cited as too many changes over 10 years that made MOA ineffective; particularly the prohibition on sharing information on farm property with others.
- 2005 the COE & NRCS developed *Joint Guidance* on how to interact (or not interact) with wetland activities on farm properties.
- Wetland Training was specifically cited in the Joint Guidance.

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**The Joint Guidance Objectives (and MOA) of this course are to:**

- unify wetland definitions,
- unify restoration methods,
- demonstrate new restoration techniques, and
- technology transfer via this course.

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**What Is A Wetland?**

**Regulatory vs. Restoration**

Criteria:

- Vegetation
- Soil
- Hydrology
- Biological/Wildlife Habitat

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### Restored Wetland

The rehabilitation or reestablishment of a degraded wetland where the soils, hydrology, vegetative community, and biological habitat are returned to a close approximation of the original condition that existed prior to modification.

2005 657 STANDARD

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### Enhanced Wetland

The modification of an existing wetland where specific attributes are targeted by management objectives, possibly at the expense of other attributes; and/or the rehabilitation of a degraded wetland where the result is a wetland that is different than what previously existed on the site.

2005 659 Standard

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### Recreated Wetland

A rehabilitated degraded wetland that has been modified so that it does not simulate the natural wetland that would have occurred on that site. Generally, some functions are enhanced while others are ignored (i.e., not restored). E.g., increasing the depth and duration of ponding to promote waterfowl habitat. E.g., planting an overabundance of oaks.

(In the current NRCS Standards, this is included as part of 659-Enhancement.)

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### Created Wetland

The creation of a wetland on a site that was historically a non-wetland.

2005 658 Standard

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### Constructed Wetland

A wetland that has been constructed for the primary purpose of water quality treatment.

2004 Standard

(The functions of the wetland are "used up" for human purposes. E.g., the treatment of water from dairy barns, swine operations, highway runoff, and the treatment of human sewage.)

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### Course Objectives

- Describe the ecological processes necessary for restoring & enhancing wetlands.
- Describe the physical, chemical, & biological processes occurring in a wetland.
- Determine the existing and potential functions of a potential restoration site.
- Complete a wetland site evaluation & determine associated opportunities and constraints.
- Describe the methods used to restore, manage, maintain, and monitor the wetland system.

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**Course Objectives (continued)**

- Be able to participate with the restoration & enhancement of wetlands in your geographical area by:
  - establishing goals & objectives
  - performing site selections & evaluations,
  - participate in design & construction phases,
  - develop O&M plans and long term monitoring.

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**Housekeeping**

- Lunch
- Restaurants
- Breaks
- Restrooms
- Start at 7:30 in the morning

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**Field Trips**

- Field Trips - Tuesday, Wednesday right after lunch; Thursday early and be back early
- Meet here in classroom after lunch
- Vehicles - Who has HOV's?
- What to bring -
  - Field clothes
  - Boots (wet ?)
  - Rain Gear
  - BYO Bottled Water / Sodas
  - Field Packets
  - Pencil/Paper



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Optional Evening Discussions/Training

- Streambank Soil Bioengineering treatments and methods
- Challenges in Afghanistan after 30 years of war
- Restoration of a straightened stream channel in the Nebraska Sandhills with a new sheet pile cross vane structure.
- Discussion of WRP experiences

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