The Wonderful World of Wetlands...



What is a wetland?

Wetlands are transitional areas between well-drained uplands and permanently inundated aquatic habitats.



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U.S. Army Corps of Engineers 1987 Manual



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Wetland delineation

A repeatable (scientific) procedure to determine the boundary of a wetland (determining the location of the interface between wetland and non-wetland).

- 1. Review maps and aerial photographs
- 2. Field investigation data collection
- 3. Data analysis and report of findings







Three Wetland Criteria

 Vegetation hydrophytic species

Soils - hydric

 Hydrology – evidence of hydrology and anaerobic conditions





Three Wetland Criteria

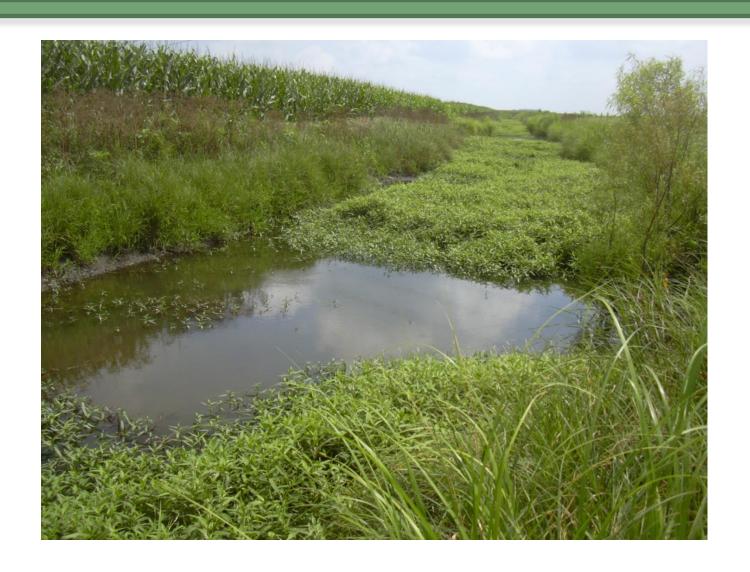
Note: While vegetation can be observed on the ground surface, the soils...and sometimes the hydrology... needs to be observed below the surface.

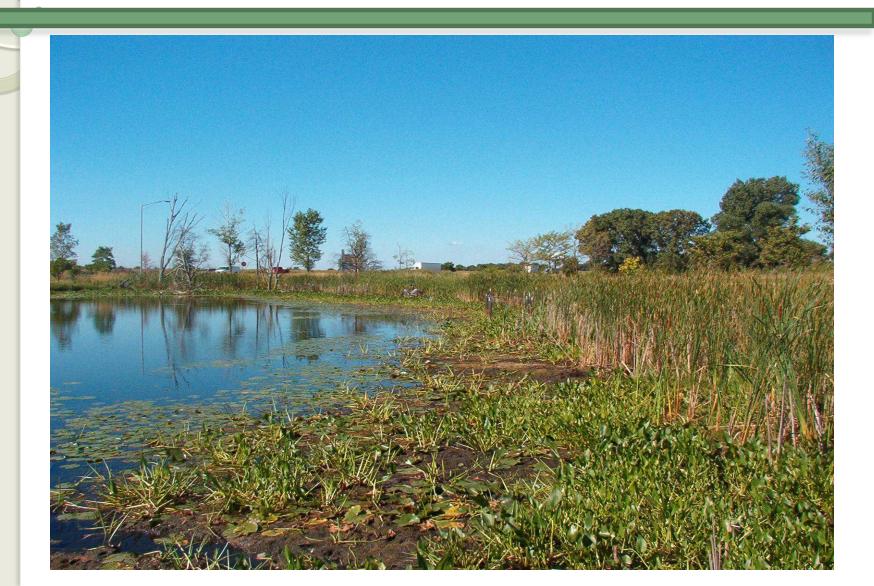


Types of Wetlands

- Emergent Marsh
- Wet/Sedge Meadow
- Wooded/Forested
 Wetland
- Seep/Spring/Fen
- Farmed Wetland

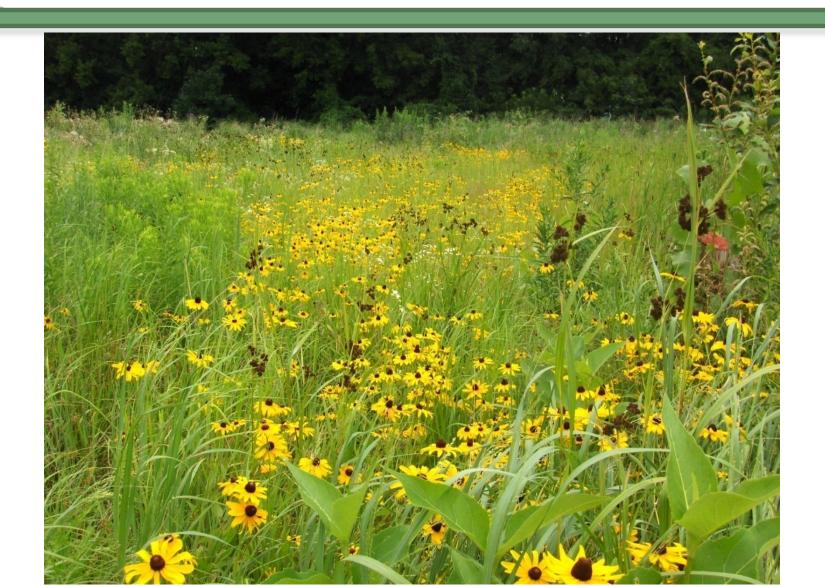


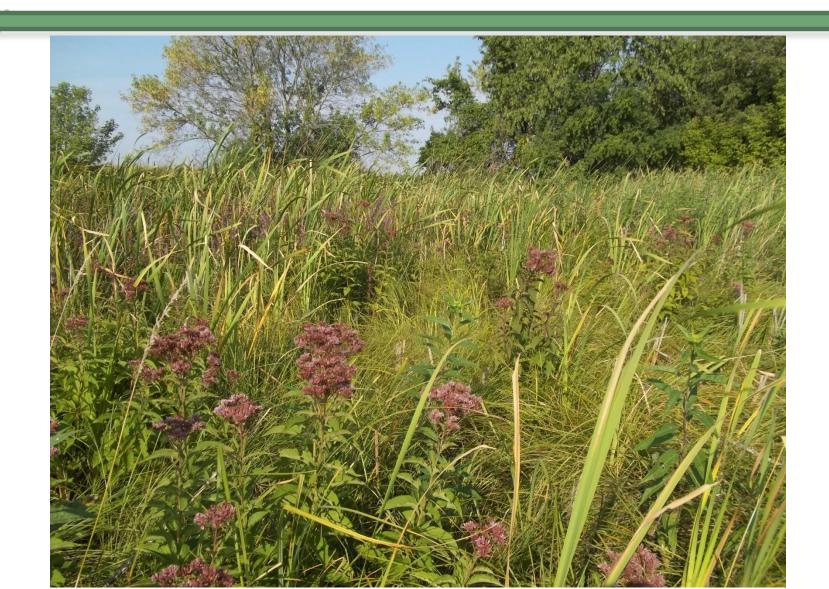










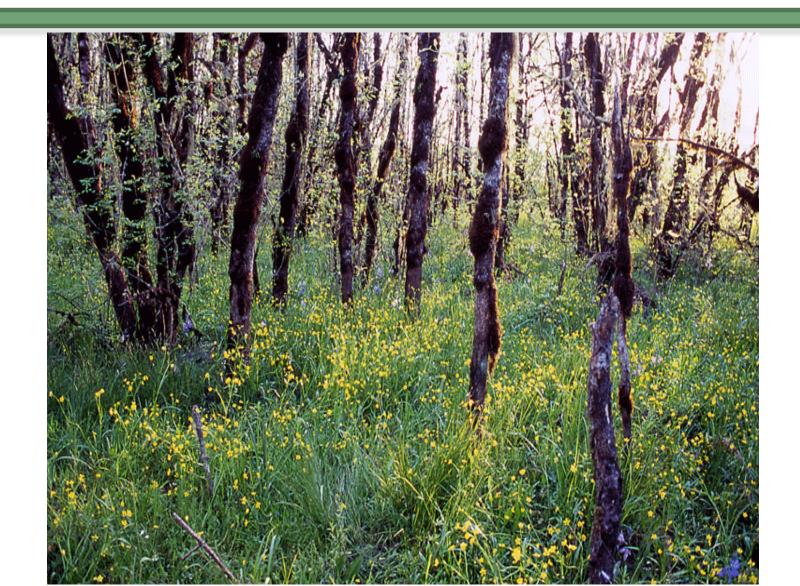


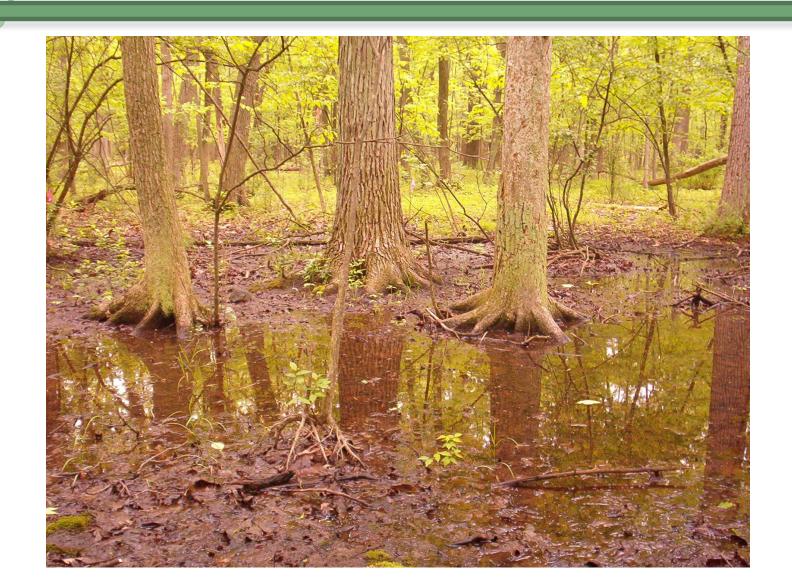




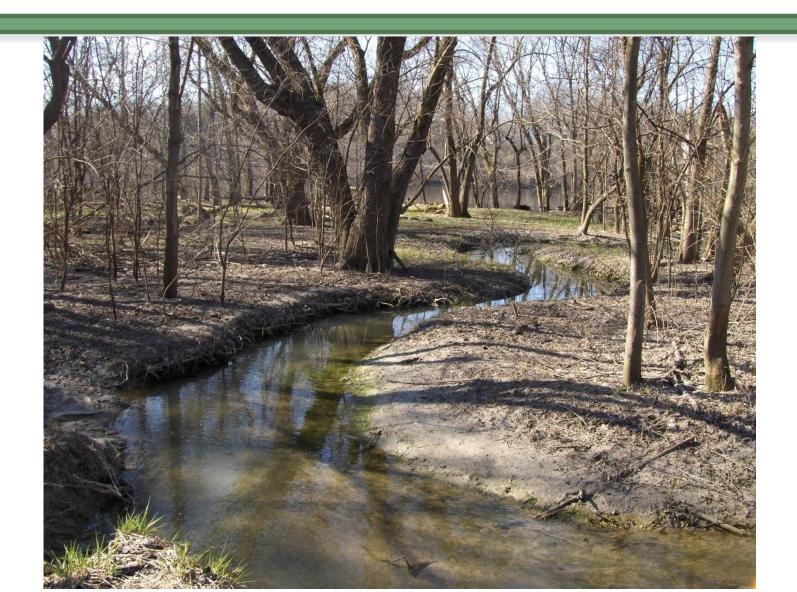




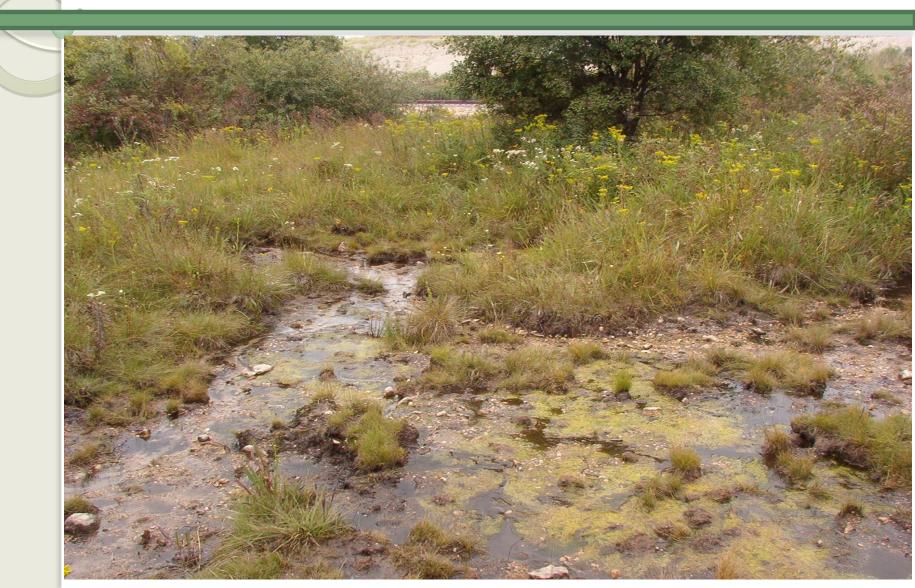








Types of Wetlands: Seeps/Springs/Fens



Types of Wetlands: Farmed Wetland



Types of Wetlands: Farmed Wetland



VARIETY & DIVERSITY!







