

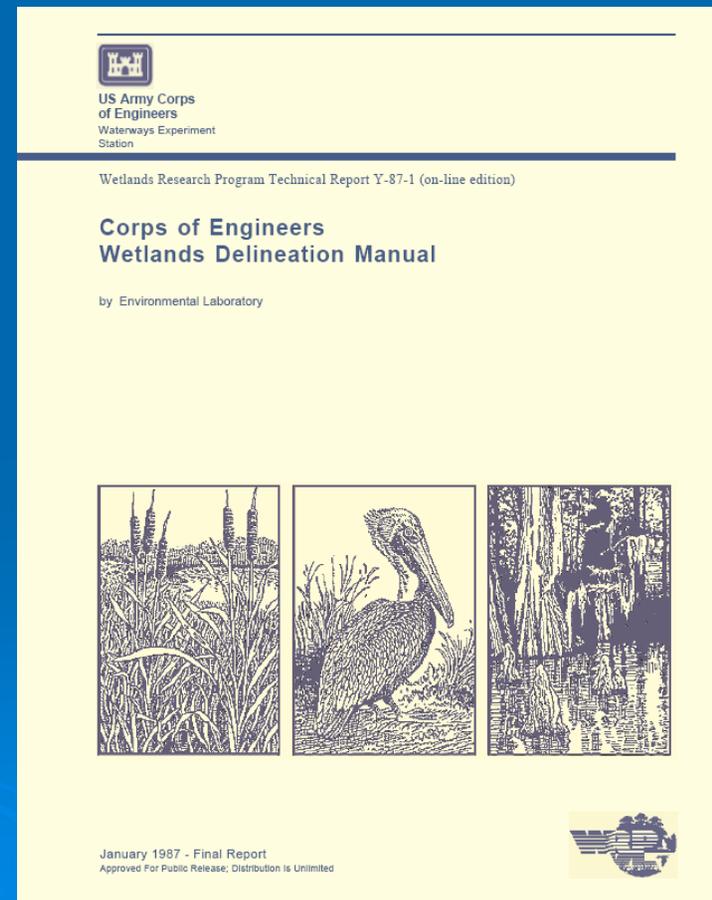
Regional Supplements to the Corps of Engineers 1987 Wetland Delineation Manual

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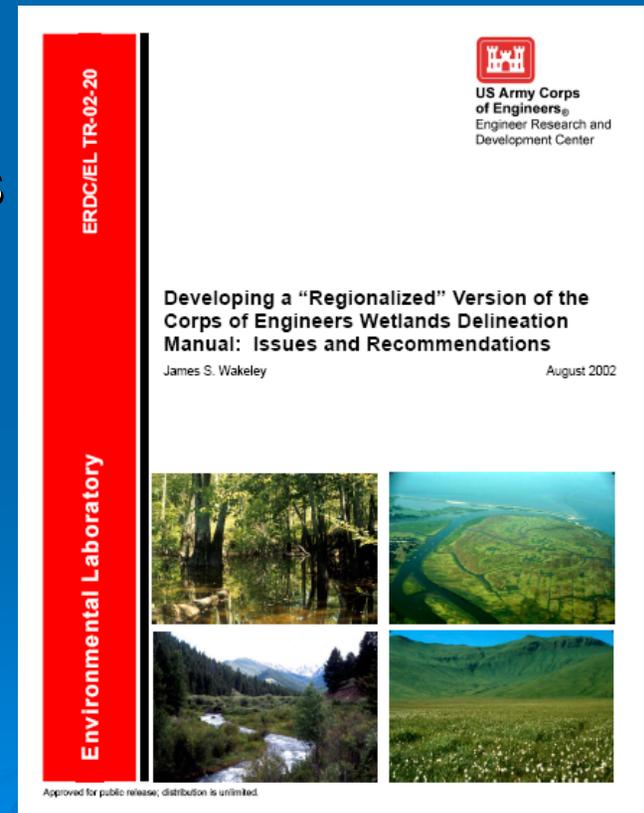
Corps of Engineers 1987 Wetland Delineation Manual

- Umbrella manual for all Clean Water Act wetland delineations
 - Definitions, criteria
 - Hydrophytic Vegetation
 - Wetland Hydrology
 - Hydric Soils
 - Problem Areas
 - Disturbed Areas

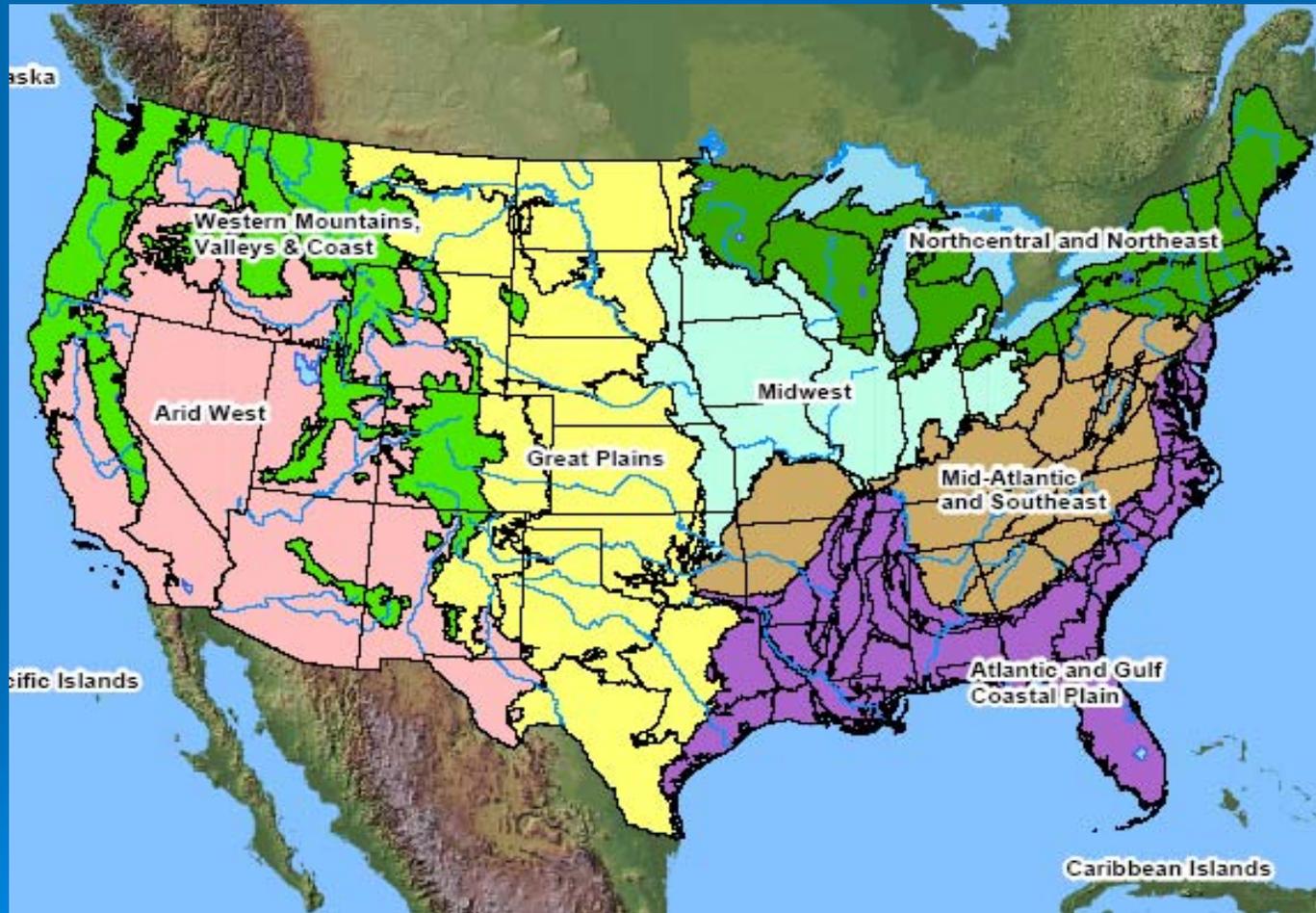


Regional Supplements

- Regional field indicators and other helpful information
 - Introduction
 - Hydrophytic Vegetation Indicators
 - Hydric Soil Indicators
 - Wetland Hydrology Indicators
 - Difficult Wetland Situations
 - References
 - Appendix
 - Data Form



Regions Based on LRR



Schedule of Regional Supplements

	Target Date for Publication
Alaska	2006
Arid West	2006
Western Mountains, Valleys & Coast	2007
Great Plains	2007
Midwest	2008
Atlantic and Gulf Coastal Plain	2008
Northcentral and Northeast	2009
Caribbean Islands	2009
Mid-Atlantic and Southeast	2010
Hawaii/Pacific Islands	2010

What it Does Not Address

- Plant Indicator Status Changes
- Rapanos
- SWANCC
- Jurisdiction



DRAFT Interim Regional Supplement
to the Corps of Engineers Wetland
Delineation Manual:
Atlantic and Gulf Coastal Plain
Region

U.S. Army Corps of Engineers

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3909 Halls Ferry Road
Vicksburg, MS 39180-6199*



Introduction

- Purpose and Use of the Supplement
- Physical and Biological Characteristics of the Region
- Types and Distribution of Wetlands



Hydrophytic Vegetation

- Introduction
- Guidance on Vegetative Sampling and Analysis
 - Plot and Sample Size
 - Definition of Strata
- Hydrophytic Vegetation Indicators
 - Dominance Test (50/20)
 - Prevalence Index

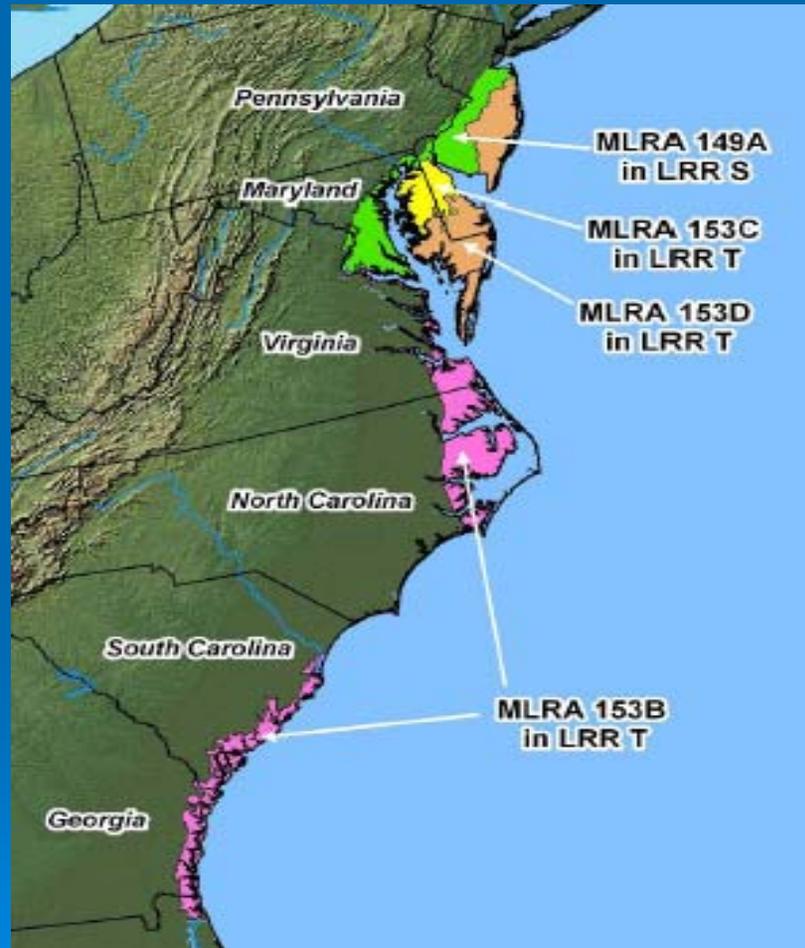
Hydric Soils

- Introduction
- Cautions
- Procedures for Sampling Soils
- Hydric Soil Indicators
 - NTCHS Approved
- Hydric Soil Indicators for Problem Soils
- Use of Existing Soil Data
 - Soil Surveys and Hydric Soils Lists

Hydric Soil Indicators for the Mid-Atlantic Coastal Plain

- Histosol
- Histic Epipedon
- Black Histic
- Hydrogen Sulfide
- Stratified Layers
- Organic Bodies
- 5 cm Mucky Mineral
- 1 cm Muck
- **Depleted Below Dark Surface**
- Thick Dark Surface
- Sandy Mucky Mineral
- Sandy Gleyed Matrix
- **Sandy Redox**
- Stripped Matrix
- **Dark Surface**
- Polyvalue Below Dark Surface
- Thin Dark Surface
- Loamy Gleyed Matrix
- **Depleted Matrix**
- **Redox Dark Surface**
- Depleted Dark Surface
- Redox Depressions
- Iron-Manganese Masses
- Umbric Surface
- Piedmont Floodplains
- Anomalous Bright Loamy Soils
- 2 cm Muck

Sub-Regional Indicators



Wetland Hydrology Indicators

- Introduction
- Growing Season
- Wetland Hydrology Indicators



Primary Hydrology Indicators

- Surface Water
- High Water Table
- Saturation
- Water Marks
- Sediment Deposits
- Algal Mat or Crust
- Iron Deposits
- Inundation Available on Aerial Imagery
- Water Stained Leaves
- Aquatic Fauna
- Hydrogen Sulfide Odor
- Oxidized Rhizospheres on Living Roots
- Recent Iron Reduction in Tilled Soils
- Presence of Reduced Iron
- Thin Muck Surface
- Other

Secondary Hydrology Indicators

- **Surface Soil Cracks**
- Sparsely Vegetated Concave Surfaces
- Drainage Patterns
- Moss Trim Lines
- Dry-Season Water Table
- Crayfish Burrows
- Saturation Visible on Aerial Imagery
- Geomorphic Position
- **Shallow Aquitard**
- Fac-Neutral Test

Process

- Initial drafting of document
- Final review of draft by regional then national committee
- Draft put on public notice for peer review and public comment
- Comments addressed
- Final draft implemented for 1 year trial period
- Final document released
- Dynamic document will change with new information over time

Testing

- During the public comment period, multi-disciplinary teams are asked to evaluate differences between the original manual and the regional supplements
- If NRCS is asked to be involved or review data, it is important to respond

For Information and Publications

[http://www.usace.army.mil/cw/cecwo/reg/reg
_supp.htm](http://www.usace.army.mil/cw/cecwo/reg/reg_supp.htm)