30TH Annual
Environmental Permitting Summer School at Marco Island

FLORIDA WETLAND JURISDICTION
A FIELD PERSPECTIVE

By Ed Murawski
FLORIDA WETLAND JURISDICTION
A FIELD PERSPECTIVE
OVERVIEW

1. Desktop Review

2. Field Review / Field Delineation
DESKTOP REVIEW

1st Gather natural resource data (GIS data preferred)

2nd Assemble GIS database

3rd Review data and prepare field plan
DESKTOP REVIEW

Natural resource data. Most are available as shapefiles for ArcMap (GIS)

1. Aerials
   1. Infrared
   2. True color
   3. Historical
2. USGS topographic
3. NRCS Soils
4. FEMA Floodplain
5. National Wetland Inventory
DESKTOP REVIEW

Infrared Aerial
DESKTOP REVIEW

Historical Aerial
Hydric Soils
DESKTOP REVIEW

FEMA Floodplain
DESKTOP REVIEW

NWI Map
FIELD REVIEW / FIELD DELINEATION

Gather Field Tools

1. Spade/Soil Probe
2. Munsell Chart
3. Ruler/measuring tape
4. Knife
5. Mist bottle
6. Maps
7. Flagging/pin flags/stakes
8. Sharpies

Other
Safety gear
Plastic bags
Camera
Compass
etc.
Getting Started

Getting started or Problem areas

Go to where things are easily identified by the definition.
FIELD REVIEW / FIELD DELINEATION

Photo
FIELD REVIEW / FIELD DELINEATION
ANALYZE VEGETATION

Is it meeting the A or B Test

Remember to follow the uppermost stratum
Analyze VEGETATION

Is it meeting the A or B Test
Remember to follow the uppermost stratum
ANALYZE SOILS

Hydric Soils Yes or No
ANALYZE SOILS

Hydric Soils Yes or No
FIELD REVIEW / FIELD DELINEATION
Getting Started
Getting Started
FIELD REVIEW / FIELD DELINEATION
FIELD REVIEW / FIELD DELINEATION
Analyze VEGETATION

Is it meeting the A or B Test
Remember to follow the uppermost or in this case available stratum
ANALYZE SOILS

Hydric Soils Yes or No
ANALYZE SOILS

Hydric Soils Yes or No
FIELD REVIEW / FIELD DELINEATION
Thank you