# USDA PROGRAMS

WETLAND RESTORATION PROGRAMS

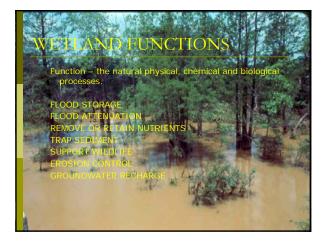
#### FOUR PROGRAMS

WETLANDS RESERVE PROGRAM (WRP)

- CONSERVATION RESERVE PROGRAM (CRP)
- WILDLIFE HABITAT INCENTIVE PROGRAM (WHIP)
- WETLAND CONSERVATION PROVISION OF FARM BILL (SWAMPBUSTER)





















# RESTORATION REQUIREMENTS Pre-conversion hydrology Hydrologic enhancement for targeted species Pre-conversion native plant restoration 70% representation 70% representation 70% representation 70% representation 70% representation





# COMPATIBLE USES

TIMBER HARVESTING
 HAYING, GRAZING, BURNING, DISKING
 FOOD PLOTS

WATER LEVEL MANIPULATION

Carl Martin

AUTHORIZED ONLY WHEN FUNCTIONS/VALUES ENHANCED





- Capability class IIw or IIIw non-hydric

#### WHIP PROGRAM AND PRACTICES

- □ 75% COST SHARE
- 5-10 YEAR CONTRACTS
- DIKE CONSTRUCTION
- SHALLOW WATER DEVELOPMENT
   WATER CONTROL STRUCTURES
- TREE PLANTING

#### CRP CONTINUOUS PROGRAM WETLAND/BUFFER PRACTICES

- Filter strips (CP21)
- Forested riparian buffer (CP22)
- Shallow water areas for wildlife (CP9)
- Wetland restoration (CP23 and CP23A)
- Farmable Wetland pilot wetland (CP27)
- Farmable Wetland pilot wetland buffer (CP28)
- Bottomland timber on wetlands (CP31)

# Filter Strip (CP21)

- Remove concentrated flow points
- Pass >50% of runoff as sheet flow
- □ Width 20 120 feet
- Increase width with slope, DA, high runoff soils
- Restricted haying/grazing allowed

# Forested Riparian Buffer (CP22)

3 zones
Zone 1 – 15 feet – Shrubs/trees bank stability rapid growth low blockage risk
Zone 2 – 20 feet – Trees; 3 species
Zone 3 – Native grass filter strip (optional)
Width 35 – 180 feet

# Shallow Water Areas (CP9)

□ 10 acre limit per tract

- Native grass buffer around waterline (20-120')
- Impound for at least six months
- Average depth of 6-18 inches

# Wetland Restoration (CP23, 23A)

- PC or FW acres
- 51% hydric soils in field
- Within 100 year floodplain (23)
- Outside 100 year floodplain (23A)
- <3:1 upland buffer (23)</p>
- <4:1 upland buffer (23A)</p>
- 23A offers cannot be eligible for CP27
- Either grassland or forested ecosystem (landowner decides)

#### Farmable Wetland Pilot (CP27)

□ PC or FW

- Offered area 10 acres or less
- Enrolled acres 5 acres or less
- Area outside the 100 year floodplain and not on NWI

#### Bottomland Timber Establishment (CP31)

Reforestation in 100 year floodplain

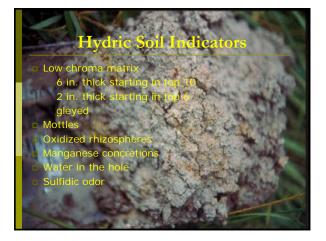
- Does not have to be hydric soil
- Min. 3 mast producing hardwoods

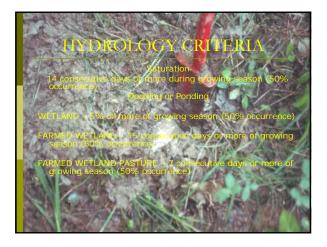
#### SWAMPBUSTER WETLAND DEFINITION

Hydric soil (soil parameter)

- Inundated or saturated (hydrology parameter) long enough during growing season in most years
- Wetland plant community under normal circumstance (vegetation parameter)















#### SWAMPBUSTER

 CONVERSION OF WETLANDS TO "CROPPABLE CONDITION" AFTER NOVEMBER 28, 1990 WILL RESULT IN LOSS OF USDA PROGRAM PARTICIPATION

#### DEFINITION OF WETLAND CONVERSION

DRAINED, DREDGED, FILLED, LEVELED OR OTHERWISE MANIPULATED INCLUDING REMOVAL OF WOODY VEGETATION THAT RESULTS IN IMPAIRING OR REDUCING THE FLOW AND CIRCULATION OF WATER FOR THE PURPOSE OF OR TO HAVE THE EFFECT OF MAKING THE PRODUCTION OF AN AGRICULTURAL COMMODITY POSSIBLE.

#### TYPES OF WETLANDS

WETLANDS (W)

- PRIOR CONVERTED CROPLANDS (PC)
- FARMED WETLANDS (FW)
- □ FARMED WETLAND PASTURES (FWP)
- WETLANDS FARMED UNDER NATURAL CONDITION (W)

#### WETLAND LOSSES IN TENNESSEE

- □ 2 million acres in 1780's (FWS)
- **800,000** acres in 1980's
- **59%** loss
- 80% of wetland conversion due to agriculture from 1970 to 1990 (Audubon)
- □ 2,500 acres lost annually from 1975 to 1985
- Only 9% of forested wetlands in Mississippi River Valley remained in 1990.

### Presidential Policy

Earth day 2004

- President sets new policy to expand base acreage over the old "no net loss" policy
   1 million acre restoration increase by 2009
- 1 million acre enhancement increase by 2009

Between 2004 and 2006

- □ 588,000 acres restored
- □ 563,000 acres enhanced
- □ 646, 000 acres protected (acquisition/easement)

#### VOLUNTARY PROGRAMS PRIVATE LANDS

Wetlands Reserve Program (NRCS) National - 1.8 million ac. (& buffers) Tennessee - 20,000 ac. Conservation Reserve Program (FSA) National – 2.3 million ac. (& buffers) Tennessee – 929 ac. (bottomland reforest) Wildlife Habitat Incentive Program (NRCS) National Tennessee Partners for Fish and Wildlife (FWS) National - 750,000 ac.

# Title II: Conservation 2007 FARM BILL

- Increase conservation funding by \$7.8 billion
- Consolidate existing cost-share programs into a newly designed Environmental Quality Incentives Program (EQIP)
  - Increase total funding by \$4.2 billion
  - Includes \$1.7 billion for a Regional Water Program

#### Streamline working lands easement programs into one Private Lands Protection Program

- Increase funding by \$900 million
- Eliminate redundancies

# Title II: Conservation 2007 FARM BILL

#### Increase Wetlands Reserve Program funding by \$2.1 billion

Increase enrollment cap from 2.3 to 3.5 million acres

Increase funding for the Conservation Security Program by \$500 million

Provide incentives for increased conservation

# Title II: Conservation 2007 FARM BILL

Reauthorize the Conservation Reserve Program with added focus on the most environmentally sensitive lands

Give priority within whole field enrollments to lands utilized for biomass production

Authorize Federal agencies to accelerate the development of private markets for the trading of ecosystem benefits associated with conservation