

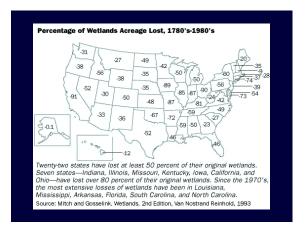
Objectives

- Southeastern waterfowl habitats and current wetland trends
- Habitat Management Recommendations
- Ducks Unlimited Conservation Programs









Current Trends

- 50% of wetlands in U.S. are gone
- Rate has slowed over the past 30 years BUT...
- Still losing 60,000 acres per year















IMPORTANT MANAGEMENT CONSIDERATIONS

What Does Seasonal Mean?

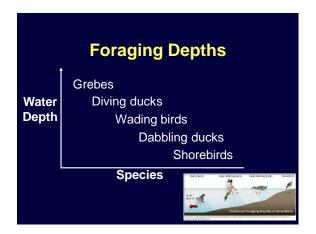
- Flooded for part of the year
- Flooded during winter or dormant season in the south
- Flooding of short duration

Why are Seasonal Wetlands Important?

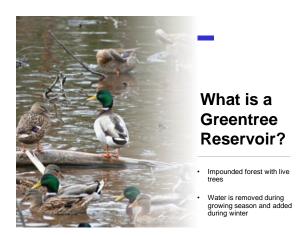
- Good conditions for germination during growing season
- Plants produce seeds
- Plants are flooded during dormant season

Wetland Plants

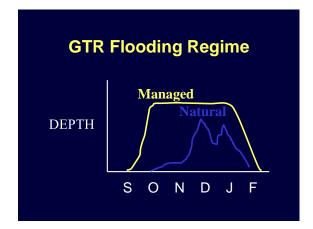
- Tolerant of flooding
- Annuals produce abundant seeds
- Perennials produce underground resources
- Provide structure for invertebrates







Resources in GTR Plant foods • Hard mast • Soft mast Invertebrates • Aquatic • Semi-aquatic



Vary Flooding Regimes Within a year Among years Never the same pattern

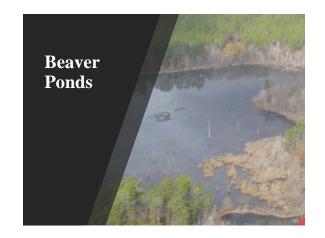
Greentree Reservoir

Problems

- Expensive to establish
- Permitting difficulties
- Poor management can lead to damage, shift in species

Summary

- · Can be great habitat
- Management is key and needs to vary



Beaver Ponds

Species

Wood duck, mallard, hooded merganser, black duck

Management

- Summer drawdown to stimulate native vegetation or plant foods
- · Fall flood to provide habitat
- · Control water level

Beaver Ponds

Problems

 Beavers plug up water control structure and impact habitat

Summary

- Fairly passive management
- Provide good brood habitat for wood ducks



What is Moist Soil Management?

Manipulation of soil and water to produce resources for wetland dependent wildlife in seasonally flooded environments

Wildlife Response to **Moist Soil Management**

Migratory waterbirds Aerial foraging songbirds Breeding fish Breeding amphibians Breeding waders Breeding waterfowl



Key Management **Points**

- Water manipulation:
 Begin drawdown in Spring (April May)
- This is when soil temps are cooler and desirable species germinate



Water manipulation:

- Slow Drawdown (pull 1 board every 7-10 days)
- This creates a moist environment across the seed bed as the unit slowly drains/dries















Coastal Impoundments

Species

Teal, gadwall, wigeon, pintail, and some divers

Management

- Native vegetation
- Mainly brackish conditions
- Drawdown in spring, circulate water and gradually increase depth (30" max.)

Coastal Impoundments

Problems

- Salinity (7-20 ppt)
- · Water quality
- Algae blooms

Summary

- Excellent habitat
- Intensive management







Flooded Cropland

Species

· Variety but mainly dabblers

Management

- Plant agricultural crop (sorghum, corn, rice, soybeans, etc.)
- Flood in fall after harvest (6-18")
- Drawdown in spring for planting

Flooded Cropland

Problems

- Expensive
- Baiting issue

Summary

- Need infrastructure
- Provides good source of energy but lacking essential nutrients

Agricultural foods

- · High energy, readily available
- · Nutritionally incomplete
- · Cost, baiting issue

Native vegetation

- Essential nutrients + insects
- Drought/Flood resistant
- Can manipulate
- High yield
- · Requires soil disturbance

Take Home Lessons

- Know your site
- · Have an objective
- Monitor your results
- Wetlands are dynamic
- Shallow water is best
- Think beyond one season









