

APSAF MEETING

January 24-26, 2007

Pinehurst Resort, 1 Carolina Vista Dr., Pinehurst, NC 28374

PROPOSED OUTLINE OF STUDENT TOUR – 4th Draft (12/9/06)

Student Tour Date & Time: Thursday, January 25, approx. 1-4 PM

Student Tour Location: Moss Foundation Property, Pinehurst Area

Tour Coordinator: Mike Thompson, Sandhills Chapter Member

(910) 576-6222 x 233

c/o Montgomery Community College

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- I. **Silvics of Longleaf Pine** (*taken from web site “Silvics of North America” or from “Silvics Digest”*)
Presenter: Dr. Richard Braham, Professor, NCSU
- A. Habitat
 - 1. Native Range
 - 2. Climate – native range and Pinehurst area
 - 3. Soils & Topography – native range and Pinehurst area
 - 4. Associated Forest Cover – native range and Pinehurst area
 - B. Life History
 - 1. Reproduction and Early Growth
 - a. Flowering and Fruiting
 - b. Seed Production and Dissemination
 - c. Seedling Development
 - d. Vegetative Reproduction
 - 2. Sapling and Pole Stages to Maturity
 - a. Growth and Yield
 - b. Rooting Habit
 - c. Reaction to Competition
 - d. Damaging Agents
 - 1) Fire
 - 2) Insects
 - 3) Disease
 - 4) Weather
 - 5) Other
 - C. Special Uses
 - D. Genetics
 - 1. Population Differences
 - 2. Hybrids
- II. **Silviculture of Longleaf Pine** (*information taken from “Silvicultural Systems for the Major Forest Types of the United States”, USDA Forest Service, Agriculture Handbook No. 445 or “Regional Silviculture” textbook*)
Presenter: Dr. Douglas Frederick, Professor, NCSU
- A. Site Preparation
 - 1. Mechanical
 - 2. Chemical
 - 3. Fire
 - B. Stand Establishment
 - 1. Rotations for Even-Aged Management
 - 2. Natural Regeneration Systems
 - a. Even-Aged Management
 - 1) Clearcut
 - 2) Shelterwood

- 3) Seed Tree
 - b. Uneven-Aged Management
 - 1) Single-Tree Selection
 - 2) Group Selection
- 3. Artificial Regeneration
 - a. Planting
 - b. Direct Seeding
- C. Intermediate Operations
 - 1. Release
 - 2. Precommercial Thinning
 - 3. Commercial Thinning
 - 4. Prescribed Burning
- D. Multiple Use Management
 - 1. Wood Products – sawlogs, pulpwood, poles, piling, posts, plywood
 - 2. Specialty Products – naval stores, pine straw, lighter wood, pine cones
 - 3. Wildlife Habitat
 - 4. Endangered Species – plants, animals
 - 5. Recreation – hunting, horseback riding, golf
 - 6. Grazing

III. **Life History and Biology of the Red-Cockaded Woodpecker** (*information taken from “The Red-Cockaded Woodpecker: Notes on Life History and Management,” USDA Forest Service State & Private Forestry, Atlanta, GA*)

Presenter: Pete Campbell, USF&WS

- A. Description
- B. Life History
 - 1. Social Organization
 - 2. The Colony
 - 3. Nesting Behavior
 - 4. Feeding Behavior
 - 5. The Territory
 - 6. Cavity Construction
 - 7. Cavity Maintenance
- C. Habitat Requirements
 - 1. Cavity Tree
 - 2. Colony Site
 - 3. Foraging Habitat
 - 4. Objectives
 - 5. Colony Site

IV. **Management of the Longleaf Pine – Red-Cockaded Woodpecker Complex in the Pinehurst, NC Area**
Presenter(s): Bennett Rose (Consulting Forester), Pete Campbell (USF&WS)

V. **Longleaf Pine Poles, Posts, and Piling**

Presenter(s): Harold Brady (Consulting Forester), Tim Clark (Koppers, Inc.)

- A. Pole, Post, and Piling Specifications
- B. Timber Sale Preparation
- C. Marketing
- D. Harvesting
- E. Transportation to Mill
- F. Manufacturing
- G. Markets/Customers