

MISSISSIPPI FORESTRY COMMISSION
COUNTY WIDE MANAGEMENT PLAN
FOR
PASS CHRISTIAN SCHOOL DISTRICT
HARRISON COUNTY, MISSISSIPPI

INTRODUCTION: Pass Christian School District has 1 sixteenth section with the Pass Christian School District Board of Trustees overseeing these sections. There is a total land area of 640 acres. Of this amount 589 acres is growing timber and 51 acres are non-forested. Based on percentage, 92 percent is timberland and 8 percent is non-forested. The objective of the plan is to outline steps, which if followed, will allow for full timber production on every acre of sixteen section land covered by this plan. This plan was written for a ten (10) year period. This plan will have to be revised in 2022. It should be understood that the plan was prepared to be used as a guide and it can be changed as conditions warrant.

At this point in time, the cut cannot be regulated by the growth completely. This is due to several factors that will be discussed in detail later. This plan provides a starting point to continuously bring this land into full production with regulated harvests. At the present time, the average stand and stocking is fully stocked. Through improvement cuts, tree planting, and timber stand improvement work, growth can be increased to the desired level over the coming years.

HISTORY OF THE FOREST: The forest management agreement between the Mississippi Forestry Commission and the Pass Christian School District provides for the management of the timberland by the Mississippi Forestry Commission. The Mississippi Forestry Commission acts as the District's technical advisor on all forestry matters. All work will be explained to and approved by the District prior to its execution. Services such as timber marking, burning, firelanes, tree planting, boundary line painting, and other work will be done on an actual cost basis.

In the past 30 years, a considerable amount of work has been done on these lands in an effort to get all forest acres into full production. These efforts will continue to be noticeable in the near future as more sales are made and the volumes should increase.

MANAGEMENT OBJECTIVES: Management objectives consist of three main points. The first being to have the forest managed for sustained yield for pine sawtimber. The second is to build up growing stock. The third objective is to get every acre producing to its full potential. The steps necessary to meet these objectives will be outlined in the remainder of this plan.

FOREST DESCRIPTION: Pine is the main timber type which dominates the forests of this section. The pine stands are composed of loblolly, slash pine, and some longleaf pine. The upland sites are best suited for the production of pine. The site index on the upland site ranges from 78 to 82 with the average being around 78. At present pine stands account for 589 acres (100 percent) of the forested acres. The forest product distribution is 28 percent reproduction, 54 percent sub-merchantable, and 18 percent sawtimber.

PRODUCTION AIMS: The primary production aim is to produce high quality sawtimber at the lowest possible cost. Pine stands will continue to be thinned and harvested when economically and biologically feasible. Attention will be given to leaving the appropriate streamside management zones to promote water quality as well as cover and food for various game and non-game species.

No amount of volume can be set at this time to be removed from these lands each year. Attention needs to be given to removing low grade material with the ultimate objective of having the best species of trees growing the most volume possible.

MANAGEMENT RECOMMENDATIONS:

Silvicultural general: This plan was written with the idea of restocking using artificial regeneration. The overall plan for regeneration will be as follows: First, identify those pine stands with the appropriate stocking to promote thinning and final harvests; second in those stands where final harvests are scheduled to occur reforestation with genetically improved seedlings will occur by artificial planting. Some of these areas to be replanted will require intensive site preparation through spraying, or machine treatments.

Fire control: The Mississippi Forestry Commission has the responsibility of the fire control on all sections. The Commission operates three suppression units in Harrison County. In the event of an emergency, additional units may be called in from adjoining counties.

Dispatching wildfires is done by contacting the central dispatch located at this District Office in Wiggins, Mississippi at 1-800-240-5161.

Insects and disease: At the present time there are no identified issues in the area. The best prevention of insects and disease is a healthy, vigorous stand. A close watch must be kept to detect an outbreak of insects and disease. If an outbreak occurs, the area will be treated by the use of an emergency timber sale, cutting, piling, burning, spraying with chemicals, and/or a combination of these measures.

Utilization and marketing: All products removed from the lands covered by this plan will be utilized if at all possible.

All marketing will be in accordance with the schedule in the appendix. All timber will be marked at stump and eye level. After marking or cruising, the forester in charge will compute the volume of all products. Volume will be computed using Doyle Scale with

appropriate form classes. The sale will be advertised by the Pass Christian School District, Harrison County. The period of advertisement will be 21 days. Sample contracts will be sent to all buyers in the area of the sale by the Mississippi Forestry Commission. All bids must be marked "bid" and sent to the Pass Christian School District, Pass Christian, Mississippi. The successful bidder will be governed by terms of contract. The forester in charge will make periodic checks of the cutting operation to insure compliance with the terms of the contract.

The District will be invoiced for the work at the completion of the sale. A minimum of 15% percent of the sale will be placed in an escrow fund for forestry work of any approved type. When more funds are needed, the Mississippi Forestry Commission may request the Board of Education to place additional funds in the escrow account. This may be from timber sales, or from the general fund money.

Physical improvement: Boundary lines are scheduled to be painted and/or maintained on a four (4) year cycle; permanent firelanes need to be maintained on some sections. These will be left to the forester in charge to designate. All work must be approved by the Board of Education.

The work may be done by the Forestry Commission employees or by contracting. Contract work should be limited to injecting, machine site preparation, herbicide application, and tree planting. All other can usually be best handled by Forestry Commission employees. Funding of firelanes, site preparation, and the tree planting can be cost shared under the Forest Resource Development Program.

BEST MANAGEMENT PRACTICES: The term "best management practice" refers to a practice or combination of practices, which is determined to be the most effective, practical means of preventing or reducing the amount of pollution generated by non-point sources to a level compatible with the water quality goals.

Public land management can generally be divided into three categories as follows:

- (1) General forest management which consists of prescribed burning, hardwood brush control with chemicals and other general maintenance work.
- (2) Timber harvesting – this is the harvesting and removal of forest products. These harvest operations will vary in size, shape and type cutting according to the specific situation. These harvests will include but not be limited to insect removal, thinning, and final harvests stands.
- (3) Post harvesting – this is any activity carried out as a result of harvesting and conducted after the harvesting has been completed. These activities will include but not be limited to herbaceous control, regeneration work and road construction/maintenance.

All work on public lands will address pollution matters on upland, bottomland and wetland sites. All work will be planned and carried out according to Mississippi's Best Management Practices Handbook.

THREATENED AND ENDANGERED SPECIES: All public lands will be managed in accordance with the current laws and regulations governing both plants and animals that are considered threatened and/or endangered. Prior to any management activity the tract(s) in question will be surveyed for any known threatened or endangered species. If any species is found on tract, then the tract will be managed in accordance with the guidelines published for that particular species.

HISTORICAL, CULTURAL OR ARCHAEOLOGICAL ITEMS: Any historical, cultural, or archaeological item that is found on public land will be identified, located, marked and preserved. No silvicultural practice that will damage or destroy these items will be conducted on the site. Sufficient area around the site may be excluded to insure that the site will not be damaged. There are no published lists of items to be preserved. Items would generally consist of old monuments, grave sites, Indian mounds, etc.