



Vision • Commitment • Pride

FOREST STEWARDSHIP MANAGEMENT PLAN

Prepared For:
Hancock Cty BOE

Prepared By:
Buddy J Cuevas
Ms Forestry Commission

Time Period Covered by This Plan:
2011 - 2021

Date Plan Prepared:
2012-02-27

Plan Type:
Stewardship / Stewardship

This plan was developed in accordance with the rules of the Stewardship program.

Property Name: 16-8-15

TABLE OF CONTENTS

LANDOWNER INFORMATION	3
FORESTER INFORMATION	3
DISCLAIMER	3
INTRODUCTION	3
OBJECTIVES	4
PROPERTY DESCRIPTION	4
GENERAL PROPERTY RECOMMENDATIONS	5
STRATA	7
PLAN MAP	9
STRATA ACTIVITY SCHEDULE	10

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FOREST STEWARDSHIP MANAGEMENT PLAN**

LANDOWNER INFORMATION

Name: Hancock Cty BOE
Mailing Address: 17304
Hwy 603
City, State, Zip: Kiln, MS 39556
Country: United States of America
Contact Numbers: Home Number:
Office Number: 228-255-4885
Fax Number:
E-mail Address: JPenton@hancock.k12.ms.us
Social Security Number (optional):

FORESTER INFORMATION

Name: Buddy J Cuevas , Forestry Technician
Forester Number: 00000
Organization: Ms Forestry Commission
Street Address: P.O.BOX 219
City, State, Zip: Kiln, MS 39556
Contact Numbers: Office Number: 228-255-4885
Fax Number:
E-mail Address:

PROPERTY LOCATION

County: Hancock Total Acres: 641 Latitude: -89.5 Longitude: 30.35
Section: 16 Township: 8S Range: 15W

DISCLAIMER

This information was derived from a small sampling of the forest resources. It reflects a statistical estimation that is only intended to be accurate enough for the purposes of making decisions for the short-term management of these resources. These estimations are temporally static. Events and circumstances may occur within the survey area that will physically alter the forest resources and therefore will not be reflected in this plan.

INTRODUCTION

This Forest Stewardship Management Plan will serve as a guide for accomplishing the goals and objectives for your property. In addition to addressing your specific goals and objectives, this plan includes recommendations for maintaining soil and water quality and protecting your forest from insects, disease, and wildfire. Recommendations are based on observation and assessment of the site.

**MISSISSIPPI FORESTRY COMMISSION
FOREST STEWARDSHIP MANAGEMENT PLAN**

OBJECTIVES

Timber Production

The goal is to produce high quality sawtimber. This will be accomplished through reforestation and timber stand improvement practices such as herbicide applications, prescribed burning, thinning at specified intervals, and other silvicultural practices. Forestry Best Management Practices will be implemented to prevent erosion and protect water quality.

Wildlife Management - General

The goal is to provide a diversity of habitats suitable for a variety of game and non-game wildlife species. Habitat management will focus on developing a variety of food, cover, water, and space. This will be accomplished by establishing and maintaining access roads and firelanes, providing openings within the forest, and the management of trees located within the Streamside Management Zone

PROPERTY DESCRIPTION

General Property Information

This section is located just north of Interstate 10 at mile marker number 9. The section is composed of 334 acres of slash pulpwood, 224 of sub-merchantable slash and 82 acres of chip and saw in the drains and flats.

Due to the poorly drained soils, both the pulpwood strata and the sub-merchantable timber are slow growing.

Water Resources

Perennial water resources were identified during a reconnaissance of the property. Perennial, intermittent streams and drains identified will be managed in accordance with Mississippi's Best Management Practices.

Timber Production

The goal is to maximize the production of high quality timber. This will be accomplished through the application of timely thinning and other silvicultural practices designed to enhance timber quality and growth. Forestry Best Management Practices will be implemented to prevent erosion and protect water quality.

Threatened and Endangered Species

No threatened and endangered species were identified during the reconnaissance and evaluation of your property.

**MISSISSIPPI FORESTRY COMMISSION
FOREST STEWARDSHIP MANAGEMENT PLAN**

Interaction with Surrounding Property

Prescribed practices should be carried out in a manner that will minimize adverse impacts on surrounding properties. Consideration should be given to potential air, water, visual, and other impacts. In addition, practices carried out should have positive effects on the surrounding community such as improved wildlife habitat and soil stabilization.

Archeological/Cultural Resources

No archeological or cultural resources were identified during the reconnaissance of the section.

GENERAL PROPERTY RECOMMENDATIONS

Forest Protection

A healthy vigorously growing stand is the best defense to an attack from a variety of forest insects, plants and pathogens.

Insects and Diseases

Trees are subject to attack from insects and diseases. Different insects and diseases affect trees according to the age, species, and condition of the trees. Planted stands of pines and pure stands of hardwoods are particularly susceptible to attack. Since there are many different insects and diseases, no attempt will be made here to explain all of them. The property should be inspected at least annually for possible signs of insect and disease activity. Some things to look for are:

- Unseasonable leaf fall
- Discoloration of leaves or needles
- Pitch pockets on pine trees
- Heavy defoliation of hardwood leaves
- Groups of three or more dying trees within a stand

This list does not cover all instances of insect or disease attacks. If anything unusual is noticed, report it to a forester. In most cases, insect and disease problems can be controlled if discovered early.

Fire Protection

Your forest should be protected from wildfire at all times. The best way to protect your investment is by establishing and maintaining firebreaks around the property. Guidelines for establishment and maintenance of firebreaks may be found in Mississippi Forestry Commission publication #107, *Mississippi's Best Management Practices*.

Grazing

Tree seedlings should be protected from grazing until such time as the terminal bud of the sapling is beyond reach of livestock. Domestic livestock should be denied access to the tree planting area.

Boundary Lines

Boundary lines are scheduled to be maintained in 2013 and 2018.

MISSISSIPPI FORESTRY COMMISSION FOREST STEWARDSHIP MANAGEMENT PLAN

Note: Some forest practices may cause temporary adverse environmental or aesthetic impacts. These practices will only cause short-term adverse impacts where they are installed. Special efforts will be made to minimize adverse effects when carrying out any of the practices. Examples include: site preparation, planting, prescribed fires, firebreak installation and maintenance, road installation and maintenance, pesticide applications and timber harvesting.

Water Quality Protection

The objective of the landowner is to protect, preserve and enhance all water sources on or transecting the property. This can best be achieved by implementation of Best Management Practices in all aspects of the management of the property.

Aesthetics

The goal is to assure that the property is managed in such a way that is aesthetically pleasing to the landowner as well as the community. Activities could include, maintaining buffer strips along the road and adjacent to the home site, planting wildflowers along the road, and trees with attractive fall and spring color along the drive and near the home site.

Ecological Restoration

Ecological restoration is the process of assisting the recovery of an ecosystem that has been degraded, damaged, or destroyed. A reconnaissance of the property has been conducted and no ecological restoration activities are recommended at this time.

Wildlife Mgt. Target Species

The objective of this practice is to provide habitat best suited for the featured or target species. Habitat management will focus on providing food, cover, water, and space to facilitate the target species.

Environmental Education

Environmental educational goals are to provide educational opportunities for children and adults through the development of items such as nature trails with tree identification markers, wildlife viewing areas, picnic areas, parking, public restroom facilities.

Wildlife Management General

The goal is to provide a diversity of habitats suited for a variety of game and non-game wildlife species. Habitat management will focus on providing a variety of food, cover, water, and space. This will be accomplished, in part, by establishing and maintaining access roads and firelanes, providing openings within the forest, and leaving mast producing and den trees.

**MISSISSIPPI FORESTRY COMMISSION
FOREST STEWARDSHIP MANAGEMENT PLAN**

Timber Management

Timber management goals for this property are to manage timber resources in such a manner as to maximize timber production throughout the life of the stand.

Recreation

According to landowner objectives the recreational use of the property could prove to be an avenue for personal enjoyment or for generating income. An evaluation of your property should be conducted and a plan developed to accomplish your specific goals for recreational activities on your property.

STRATA

Strata 1 (Stand 5)

Strata Description

This strata is composed of 334 acres of slash pine planted in 1996. The basal area is 90 with 525 trees per acre. The trees are currently in the pulpwood size class but are slow growing due to the poorly drained soil conditions.

Several wet flats are present in the center of this stand. Within these areas the trees vary from sub-merchantable to small pulpwood size. This difference is due to the slight variations in elevation and the resulting change in soil type. Wherever possible these areas will be managed in conjunction with the activities scheduled for the slightly higher elevations of this strata.

Strata Recommendations

This strata is scheduled to receive a first thinning during 2014. This thinning will reduce the current basal area of 90 to approximately 60 basal area. Following the timber cruise, the forester in charge will decide whether a fourth row or corridor thinning will be conducted.

Strata 2 (Stands 2 and 4)

Strata Description

This strata is composed of 224 acres of slash pine planted in 2001 at a rate of 525 trees per acre. The trees in this strata are growing slowly due to poor soil conditions.

A wildfire damaged part of stand 4 in 2011. It is estimated that almost half of the trees in stand 4 were damaged, but not killed. The stand will continue to be monitored.

Strata Recommendations

The strata is scheduled for a first thinning in 2019. The basal area will be reduced to 60 by either a fourth row thinning or a corridor thinning at the discretion of the forester in charge.

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FOREST STEWARDSHIP MANAGEMENT PLAN**

Strata 3 (Stands 1, 3, and 6)

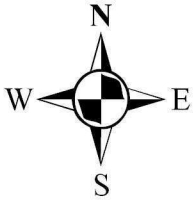
Strata Description

This strata is composed of 82 acres of mixed pine and hardwood on very poorly drained soils. The majority of this acreage is composed of pitcher plant bogs, hardwood flats, and intermittent streams.

Strata Recommendations

As a result of this strata's inoperability, it will be managed in accordance with Mississippi's Best Management Practices as a streamside management zone.

There are no activities scheduled for this strata during this management period.

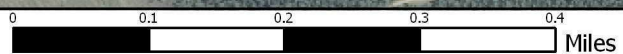


HANCOCK COUNTY SCHOOL DISTRICT

Section 16, Township 08S, Range 15W
2012 to 2021
640 Acres



(11/28/2012)



Stand Activity Schedule for
Hancock Cty BOE
16 8S 15W

Strata	Stand	Activity	Acre	Est. Cost	Est. Revenue
2014					
1	5	Harvest, Mechanical, 1st Thin, Machine, Slash	334	\$11,690.00	\$44,238.30
Yearly Totals			334	\$11,690.00	\$44,238.30
2019					
2	2	Harvest, Mechanical, Thin, Machine, Slash	173	\$6,055.00	\$22,801.40
2	4	Harvest, Mechanical, Thin, Machine, Slash	51	\$0.00	\$6,558.60
Yearly Totals			224	\$6,055.00	\$29,360.00
Grand Totals			558	\$17,745.00	\$73,598.30