



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-T5SR14W**

## 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

**MISSISSIPPI FORESTRY COMMISSION  
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: -89.4    Longitude: 30.61  
Section: 16        Township: 5S        Range: 14W

**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 at the intersectiof of Highway 53 and Highway 603. The section is predominately pine plantation with some harveste planted pine reproduction.

Fifty five acres are non-forest. Within this non-forest classification is a county storm shelter, ball fies, a gas station and a mini-storage facility as well as a radio repeater tower.

*Water Resources*

No perennial water resources were identified during a reconnaissance of the property. However, 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*

This section has a community storm shelter, ball field as well as a radio repeater tower along with two commercial leases for a gas station and a mini-storage facility.

## **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 on this section in 2017.

**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 (Stands 2, 7, 8 and 18)*

Strata Description

This strata consists of 405 acres of 20 year old harvest planted slash plantations. The basal area is 80 due to poor soil conditions and Hurricane Katrina damage. A wildfire went through the southern portion of stands 8 and 18 in 2011.

Strata Recommendations

Stands 8 (140 acres) and 18 (54 acres) are scheduled to receive a regeneration harvest in 2015. Following this harvest, these stands are scheduled to be site prepared using aerial herbicide and prescribed burning, then machine planted with loblolly. The loblolly will be planted on a 8' X 9' spacing resulting in 605 trees per acre. A prescribed burn is also scheduled in these stands for 2013.

Stands 2 (131 acres) and 7 (79 acres) are scheduled to receive a regeneration harvest in 2020. Following this harvest, these stands are scheduled to be site prepared using aerial herbicide and prescribed burning, then machine planted with loblolly. The loblolly will be planted on a 8' X 9' spacing resulting in 605 trees per acre. Prescribed burning is scheduled in these stands in 2013, 2016 and 2019.

The 2013 prescribed burning will be covered by a federal grant and will be conducted at no cost to the School District. It is intended to have the 2016 and 2019 funded under the same grant. It is possible that regular burning could reduce the estimated site preparation cost in Stands 2 and 7 during 2021.

*Strata 2 (Stands 17 and 19)*

Strata Description

This strata is composed of 27 acres of mixed hardwood timber in the chip and saw size class. This strata is located in and along the poorly drained perennial streams of this section. The basal area and the age of the timber is 43.

Strata Recommendations

Stand 19 (17 acres) is scheduled to receive a regeneration harvest in 2015. Following this harvest, these stands are scheduled to be site prepared using aerial herbicide and

**MISSISSIPPI FORESTRY COMMISSION  
FOREST STEWARDSHIP MANAGEMENT PLAN**

prescribed burning, then machine planted with loblolly. The loblolly will be planted on a 8' X 9' spacing resulting in 605 trees per acre. A prescribed burn is also scheduled in these stands for 2013.

Stands 17 (10 acres) is scheduled to receive a regeneration harvest in 2020. Following this harvest, these stands are scheduled to be site prepared using aerial herbicide and prescribed burning, then machine planted with loblolly. The loblolly will be planted on a 8' X 9' spacing resulting in 605 trees per acre.

*Strata 9 (Stands 1, 4, 15, and 16)*

**Strata Description**

This strata is composed of 146 acres of machine planted slash pine. The strata was planted in 2010 and currently has a stocking of 692 trees per acre.

**Strata Recommendations**

This strata is not expected to grow into merchantable timber during the span of this management plan.



HANCOCK COUNTY SCHOOL DISTRICT

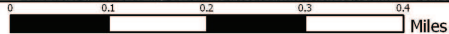


**HANCOCK COUNTY SCHOOL DISTRICT**

Section 16, Township 05S, Range 14W  
2012 to 2021  
640 Acres



(11/20/2012)



Stand Activity Schedule for  
Hancock Cty BOE  
16 5S 14W

Strata	Stand	Activity	Acre	Est. Cost	Est. Revenue
<b>2012</b>					
1	7	Site Preparation, Other, Burn, Hand, Combination	79	\$1,975.00	\$0.00
<b>Yearly Totals</b>			79	\$1,975.00	\$0.00
<b>2013</b>					
1	2	Fire Protection, Other, Burn, Hand, Fuel Reduction	131	\$3,275.00	\$0.00
1	7	Fire Protection, Other, Burn, Hand, Fuel Reduction	79	\$1,975.00	\$0.00
1	8	Fire Protection, Other, Burn, Hand, Fuel Reduction	140	\$3,500.00	\$0.00
1	18	Fire Protection, Other, Burn, Hand, Fuel Reduction	54	\$1,350.00	\$0.00
2	19	Fire Protection, Other, Burn, Hand, Hazard Mitigation	17	\$0.00	\$0.00
<b>Yearly Totals</b>			421	\$10,100.00	\$0.00
<b>2015</b>					
1	8	Harvest, Mechanical, Regeneration, Machine, Slash	140	\$4,900.00	\$119,651.00
1	18	Harvest, Mechanical, Regeneration, Machine, Slash	54	\$1,890.00	\$48,030.84
2	19	Harvest, Mechanical, Regeneration, Machine, Slash	17	\$595.00	\$12,672.48
<b>Yearly Totals</b>			211	\$7,385.00	\$180,354.32
<b>2016</b>					
1	2	Fire Protection, Other, Burn, Hand, Fuel Reduction	131	\$3,275.00	\$0.00
1	7	Fire Protection, Other, Burn, Hand, Fuel Reduction	79	\$1,975.00	\$0.00
1	8	Regeneration, Artificial, Plant, Hand, Loblolly	140	\$11,900.00	\$0.00
1	8	Site Preparation, Chemical, Broadcast, Hand, Combination	140	\$11,200.00	\$0.00
1	8	Site Preparation, Other, Burn, Hand, Combination	140	\$3,500.00	\$0.00

Strata	Stand	Activity	Acre	Est. Cost	Est. Revenue
1	18	Site Preparation, Chemical, Broadcast, Machine, Combination	54	\$4,320.00	\$0.00
1	18	Site Preparation, Other, Burn, Hand, Combination	54	\$1,350.00	\$0.00
1	18	Regeneration, Artificial, Plant, Machine, Loblolly	54	\$4,590.00	\$0.00
2	19	Site Preparation, Other, Burn, Hand, Combination	17	\$425.00	\$0.00
2	19	Site Preparation, Chemical, Broadcast, Aerial, Combination	17	\$1,445.00	\$0.00
2	19	Regeneration, Artificial, Plant, Machine, Loblolly	17	\$1,445.00	\$0.00

**Yearly Totals**                      843                      \$45,425.00                      \$0.00

## 2019

1	2	Fire Protection, Other, Burn, Hand, Fuel Reduction	131	\$3,275.00	\$0.00
1	7	Fire Protection, Other, Burn, Hand, Fuel Reduction	79	\$1,975.00	\$0.00

**Yearly Totals**                      210                      \$5,250.00                      \$0.00

## 2020

1	2	Harvest, Mechanical, Regeneration, Machine, Slash	131	\$4,585.00	\$108,257.09
1	7	Harvest, Mechanical, Regeneration, Machine, Slash	79	\$2,765.00	\$66,047.95
2	17	Harvest, Mechanical, Final, Machine, Slash	10	\$350.00	\$8,368.60

**Yearly Totals**                      220                      \$7,700.00                      \$182,673.64

## 2021

1	2	Regeneration, Artificial, Plant, Machine, Loblolly	131	\$11,135.00	\$0.00
1	2	Site Preparation, Chemical, Broadcast, Aerial, Combination	131	\$10,480.00	\$0.00
1	2	Site Preparation, Other, Burn, Hand, Combination	131	\$3,275.00	\$0.00
1	7	Regeneration, Artificial, Plant, Hand, Loblolly	79	\$6,715.00	\$0.00
1	7	Site Preparation, Chemical, Broadcast, Aerial, Combination	79	\$6,320.00	\$0.00
2	17	Site Preparation, Other, Burn, Hand, Combination	10	\$250.00	\$0.00
2	17	Regeneration, Artificial, Plant, Machine, Loblolly	10	\$850.00	\$0.00

Strata	Stand	Activity	Acre	Est. Cost	Est. Revenue
2	17	Site Preparation, Chemical, Broadcast, Aerial, Combination	10	\$800.00	\$0.00
			Yearly Totals	\$39,825.00	\$0.00
			<b>Grand Totals</b>	<b>\$117,660.00</b>	<b>\$363,027.96</b>