



Vision • Commitment • Pride

# FOREST STEWARDSHIP MANAGEMENT PLAN

Prepared For:  
Perry County Schools

Prepared By:  
Brad D Pulliam  
MFC

Time Period Covered by This Plan:  
2012 - 2021

Date Plan Prepared:  
2012-02-21

Plan Type:  
Stewardship / Stewardship

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

**Property Name: 16-1N-10W**

## TABLE OF CONTENTS

LANDOWNER INFORMATION .....	3
FORESTER INFORMATION .....	3
DISCLAIMER .....	3
INTRODUCTION .....	3
OBJECTIVES .....	4
PROPERTY DESCRIPTION .....	4
GENERAL PROPERTY RECOMMENDATIONS .....	5
STRATA .....	7
OTHER PLAN ACTIVITIES .....	10
PLAN MAP .....	11
STRATA ACTIVITY SCHEDULE .....	12

**MISSISSIPPI FORESTRY COMMISSION  
FOREST STEWARDSHIP MANAGEMENT PLAN**

**LANDOWNER INFORMATION**

Name: Perry County Schools  
Mailing Address: P.O. Box 137  
City, State, Zip: New Augusta, MS 39462  
Country: United States of America  
Contact Numbers: Home Number:  
Office Number: 601-964-3211  
Fax Number:  
E-mail Address:  
Social Security Number (optional): 000000000

**FORESTER INFORMATION**

Name: Brad D Pulliam , Forestry Technician  
Forester Number: 00000  
Organization: MFC  
Street Address: P.O. Box 452  
City, State, Zip: Richton, MS 39476  
Contact Numbers: Office Number: 601-788-6006  
Fax Number: 601-788-6708  
E-mail Address: bpulliam@mfc.state.ms.us

**PROPERTY LOCATION**

County: Perry Total Acres: 657 Latitude: -89 Longitude: 31.05  
Section: 16 Township: 1N Range: 10W

**DISCLAIMER**

**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 off of Hwy 29 South of New Augusta. It is almost surrounded by U.S. Forest Service land and it is by way of their road #339 do we access it. This section has several different timber types on it from young plantation to mature sawtimber. Each strata will be discussed in the body of the plan.

*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.

*Soils General*

Soils were evaluated on the property to determine the suitability of the site for the proposed activities. Forest practices were planned so as to minimize erosion or other adverse effects on the soil. The following soils are identified for this property: sandy loam.

## **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*.

**MISSISSIPPI FORESTRY COMMISSION  
FOREST STEWARDSHIP MANAGEMENT PLAN**

**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**

It is the responsibility of the landowner to ensure that all property lines and boundaries designating areas to receive forestry work are clearly identified and visible to all contractors.

*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. 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.

*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. All of these opportunities can be had at Lake Perry where we have all of the above listed facilities.

**MISSISSIPPI FORESTRY COMMISSION  
FOREST STEWARDSHIP MANAGEMENT PLAN**

*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.

*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.

*Archeological or Cultural Resources*

These areas can range from churches, old cemeteries, natural springs, Indian mounds to home sites or other area of historical significance.

No resources were identified during a reconnaissance of this property

**STRATA**

*Strata 1*

Strata Description

Strata 1: Stand 8

Acres: 121

This stand is made up of mostly mature pine sawtimber. It contains all three types of pines, loblolly, slash, and longleaf within it. The stand is located along the North boundary of the section and is well stocked at this time. This stand offers winter time logging and when a sale is generated this should be utilized for maximum gain.

Strata Recommendations

This stand should be monitored for the need of a prescribed burn to control unwanted brush and looked at in or around 2018 for the possibility of a final harvest. This will depend on current market conditions and also the school board needs at that time.

Activity Recommendations

Harvest

This will be a final harvest of this area.

**MISSISSIPPI FORESTRY COMMISSION  
FOREST STEWARDSHIP MANAGEMENT PLAN**

Regeneration

This area should be replanted in containerized longleaf seedlings of the best quality available at the time.

Site Preparation

This area should be treated with an approved rate of chemical that will serve the goals of a site prep treatment and control all brush and allow for free to grow seedlings.

*Strata 2*

Strata Description

Strata 2: Stand 2

Acres: 98

This stand was created after Hurricane Katrina destroyed the existing stand and it had to be removed. That explains the shape of the stand. The stand was chemical site prepared and hand planted with loblolly seedlings. The stand is well stocked and growing at this time.

Strata Recommendations

This stand should be monitored for the possibility of insect and or disease and also invasive species. At the time any of the listed are found, immediate action should be taken to get those under control.

*Strata 3*

Strata Description

Strata 3: Stands 5,7

Acres: 140

This stand consist of an 10 year old loblolly plantation that was hand planted in 2002. The area was chemical site prepped and burned before planting. The stand is well stocked with some areas around the edges being over stocked due to blown in seeds from other stands.

Strata Recommendations

This stand will need to be thinned in or around 2019. It will need to be monitored to determine the timing of the thinning depending on growth rate of the trees. After the stand is thinned it should introduced into a burning cycle to control unwanted vegetation from entering the stands.

Activity Recommendations



**MISSISSIPPI FORESTRY COMMISSION  
FOREST STEWARDSHIP MANAGEMENT PLAN**

Harvest

1st Thin

Loblolly plantation

5th row method

Thin stand to an average BA of 70 leaving the better quality trees in the stand while removing any crooked, forked and disease stems.

*Strata 4*

Strata Description

Strata 4: Stand 9

Acres: 265

This stand is made up of mature pine sawtimber. The lower part of this stand has been cut, while the upper half has been advertised for sale at the wishes of the school board. The cutover tract contains 92 acres, and has already been site prepared and will be planted in 2012/13.

Strata Recommendations

It is recommended to sell the upper half of this tract and try and keep it in the same age class with the lower half as for as replanting and site prep goes. However if this is not the case then the lower half of the tract will have to become a different stand.

Activity Recommendations

Harvest

This will be a final harvest of this strata. It will be lump sum sales with the stand being split to be in compliance with new sale guidelines.

Regeneration

92 Acres of this stand will be hand planted in longleaf seedlings in the winter of 2012/13. The north half of the area will be planted the following year pending a timber sale and harvest of the area.

Site Preparation

The area on the south end has been chemical site prepared and will possibly be burned in the fall of 2012 to allow for easy access for the planting operation which will follow. The north half of the area will be chemical site prepared in 2013 pending a harvest being completed on it.

**MISSISSIPPI FORESTRY COMMISSION  
FOREST STEWARDSHIP MANAGEMENT PLAN**

*Strata 5*

Strata Description

Strata 5: Stand 6

Acres: 43

This stand is made of drains and a low bottom lands that hold water most of the year. The stand is considered to be an SMZ area and should be managed that way.

Strata Recommendations

Manage as an SMZ area with little to no activity in this stand.

**OTHER PLAN ACTIVITIES**

*Boundary Lines*

Line Description

All lines are painted orange and are visible at this time.

Line Recommendations

Maintain on a five year rotation with these lines needed painting again in 2012 and also in 2017.

Activity Recommendations

Property Activities

Routine inspections and general maintenance of the roads, Firelanes, and boundary lines will ensure overall appearance and aesthetics of the property.

Property Activities

Routine inspections and general maintenance of the roads, Firelanes, and boundary lines will ensure overall appearance and aesthetics of the property.

Perry County Schools



**Perry County Schools**

Section off HWY 29  
2012 to 2021  
640 Acres



(02/10/2012)

0 0.1 0.2 0.3 0.4 Miles

Stand Activity Schedule for  
Perry County Schools  
16 1N 10W

Strata	Stand	Activity	Acre	Est. Cost	Est. Revenue
<b>2013</b>					
4	9	Site Preparation, Chemical, Broadcast, Aerial, Combination	92	\$8,740.00	\$0.00
4	9	Regeneration, Artificial, Plant, Hand, Longleaf	92	\$16,100.00	\$0.00
<b>Yearly Totals</b>			<b>184</b>	<b>\$24,840.00</b>	<b>\$0.00</b>
<b>2018</b>					
1	8	Harvest, Mechanical, Final, Machine, Loblolly	122	\$4,270.00	\$237,900.00
<b>Yearly Totals</b>			<b>122</b>	<b>\$4,270.00</b>	<b>\$237,900.00</b>
<b>2019</b>					
1	8	Site Preparation, Chemical, Broadcast, Aerial, Combination	122	\$12,200.00	\$0.00
1	8	Regeneration, Artificial, Plant, Hand, Longleaf	122	\$21,350.00	\$0.00
3	4	Harvest, Mechanical, Thin, Machine, Loblolly	106	\$3,710.00	\$23,320.00
3	7	Harvest, Mechanical, Thin, Machine, Loblolly	106	\$3,709.30	\$23,315.60
<b>Yearly Totals</b>			<b>456</b>	<b>\$40,969.30</b>	<b>\$46,635.60</b>
<b>Grand Totals</b>			<b>762</b>	<b>\$70,079.30</b>	<b>\$284,535.60</b>