



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: 16-2N-9W**

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**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: 643 Latitude: -88.9 Longitude: 31.14  
Section: 16 Township: 2N Range: 9W

**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.

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**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 south of highway 98 at Beaumont. This is a special section to manage due to the fact of Lake Perry being located on the South end of it. It has three different timber types on it from a submerchantable longleaf plantation to a hardwood drain and also a mature pine stand. This section is accessed from Lake Perry Rd off of Hwy 98 and also through some Forest Service woods roads.

*Water Resources*

This section has a large body of water located on it, Lake Perry, and has to be managed as not to affect the lake in any way. 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.

*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.

**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

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of the practices. Examples include: site preparation, planting, prescribed fires, firebreak installation and maintenance, road installation and maintenance, pesticide applications and timber harvesting.

*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 on the ridgetops and a more clay soil type in the bottoms.

## **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*.

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**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.

**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.

*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.

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*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 1

Acres: 280

This stand consist of a submerch longleaf plantation with a few acres of slash plantation mixed in. It should be managed together due to the fact of the acreage of the slash is small and not enough to take out.

Strata Recommendations

This stand will need to be prescribed burned in 2013 in order to control any unwanted hardwood underbrush. Also, this stand should be thinned in 2019 for the first time. This thinning will target any unwanted stems such as, crooked, forked, and or disease trees. After the thinning the average BA should be around 70 for the stand.

Activity Recommendations

Fire Protection

A prescribed burn should be carried out on this property in the late fall or early winter of 2013 and be repeated on a two or three year rotation thereafter. Prescribed fire

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when used correctly can greatly benefit the health and vigor of a stand. It reduces the undesirable tree species that often crowd out or suppress pines. These unwanted understory trees and shrubs species not only compete for water, nutrients, and growing space, but often contain dead needles and leaves that act as ladder fuels allowing a fire to climb into the overstory crowns. Prescribed fire also reduces the hazardous fuel loads within the stand and prevents damage in the event of a wildfire.

Harvest

1st thin

5th row method

Target undersirable stems and leave an average BA of 70 throughout the stand

*Strata 2*

Strata Description

Strata 2: Stands 3,5

Acres: 196

This strata consist of a mature stand of pine sawtimber with a small amount of mature hardwood on the ridge tops. These stands are on each side of the lake and will have to be managed as to not have a negative impact on the lake itself.

Strata Recommendations

This stand will need to be prescribed burned in order to controll unwanted underbrush from it and to allow for wildlife activity throughout the stands.

Activity Recommendations

Fire Protection

A prescribed burn should be carried out on this property in the late fall or early winter of 2013 and be repeated on a two or three year rotation thereafter. Prescribed fire when used correctly can greatly benefit the health and vigor of a stand. It reduces the undesirable tree species that often crowd out or suppress pines. These unwanted understory trees and shrubs species not only compete for water, nutrients, and growing space, but often contain dead needles and leaves that act as ladder fuels allowing a fire to climb into the overstory crowns. Prescribed fire also reduces the hazardous fuel loads within the stand and prevents damage in the event of a wildfire.

*Strata 3*

Strata Description

Strata 3: Stand 4



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Acres: 97

This stand consist of a hardwood drain that acts as an SMZ for the entire section as it splits it in half. Also, the is the main drainage for Lake Perry and will need to managed accordingly.

**Strata Recommendations**

It is recommended to leave this stand as is in order preserve this drainage area and protect the levee and entire lake system from erosion.

**OTHER PLAN ACTIVITIES**

*Boundary Lines*

**Line Description**

All lines are painted orange and visable at this time.

**Line Recommendations**

Lines should be maintained on a five year rotation and will need painting again in 2012 and again 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.





# Perry County Schools

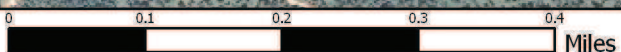
Lake Perry Section

2012 to 2021

640 Acres



(02/10/2012)





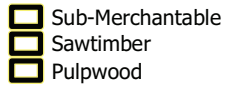
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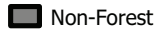
## Property



## Category 1: Stands



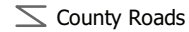
## Category 3: Non-Forest Stands



## Boundary Lines



## Transportation (Lines)

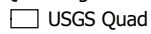


## MFC Basemap

### County Boundary



### Quadrangle Grid



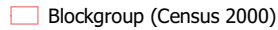
### PLS Townships



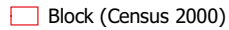
### Survey Districts



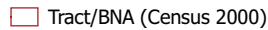
### Blockgroup (Census 2000)



### Block (Census 2000)



### Tract/BNA (Census 2000)



### County Roads



### School Sections



### Public School Districts



### US Congressional District



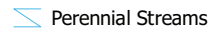
### MS Senate



### MS House



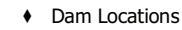
### Perennial Streams



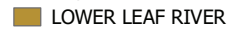
### Intermittent Streams



### Dam Locations



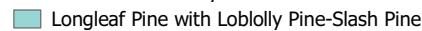
### Hydrologic Units (Basins)



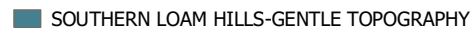
### Water Bodies



### Historic Forest Boundary



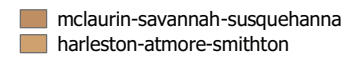
### MS Forest Habitat



### Physiographic Region



### Soil Associations



### Surface Geology



### Recreational Facilities



### USFS Ownership



### USFS Boundary



### MFC Districts



### MFC Dispatch Units



### MS Outline



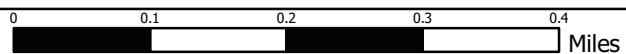


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Lake Perry Section  
2012 to 2021  
640 Acres



(02/10/2012)



Stand Activity Schedule for  
Perry County Schools  
16 2N 9W

Strata	Stand	Activity	Acre	Est. Cost	Est. Revenue
<b>2013</b>					
1	1	Fire Protection, Other, Burn, Hand, Hazard Mitigation	280	\$7,000.00	\$0.00
2	3	Fire Protection, Other, Burn, Hand, Hazard Mitigation	126	\$3,150.00	\$0.00
2	5	Fire Protection, Other, Burn, Hand, Hazard Mitigation	69	\$1,733.75	\$0.00
<b>Yearly Totals</b>			<b>475</b>	<b>\$11,883.75</b>	<b>\$0.00</b>
<b>2019</b>					
1	1	Harvest, Mechanical, 1st Thin, Machine, Longleaf	280	\$9,800.00	\$61,600.00
<b>Yearly Totals</b>			<b>280</b>	<b>\$9,800.00</b>	<b>\$61,600.00</b>
<b>Grand Totals</b>			<b>755</b>	<b>\$21,683.75</b>	<b>\$61,600.00</b>