



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: 16-3N-10W

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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: 640 Latitude: -89 Longitude: 31.22
Section: 16 Township: 3N 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.

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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 off of the Wingate Rd just north of Hwy 98. This section is split by the Leaf River which makes it two different tracts to manage. To access the west side of the section you have to come thru the Koch Cellulose woodyard property and across some private lands. This section has basically three different timber stands on it, one being a longleaf plantation, another being a submerch loblolly plantation, and the last a hardwood river bottom stand. This section also has approximately 75 acres of open non forest acres on it, they include The Leaf River, two river lakes, and the rest in county roads and right-of-ways.

Water Resources

This section has many water resources on it with the main one being Leaf River, along with several other small drains and river lakes. All of which 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.

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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: Range from deep sands to bottom land clay.

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

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.

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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.

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.

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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 2

Strata Description

Strata 2: Stands 1,7

Acres: 354

This strata consist of hardwood river bottoms which contain mostly hardwood. The majority of this timber is of low quality now due to Hurricane Katrina taking out the bigger quality trees in 2005, however there is still some sawtimber throughout the stand on both sides of the river. The stands also contain some spruce pine that is of low quality. All of this ground is low and for the most part will flood in high water so it will need to be managed with care not to harm the banks of the river in any way.

Strata Recommendations

This stand could be marked for a thin in 2016 should the board wish to make a sale and the market conditons exist for hardwood. This sale should target lower quality trees such as gum and bay to be removed while leaving the oak species. Also, during this sale all spruce pine should be removed as well.

Activity Recommendations

Harvest

Marked Sale

Low quality hardwood

Leave oak species to naturally reseed areas

Strata 3

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Strata Description

Strata 3: Stands 8,11

Acres 92

This stand consist of a 12 year old loblolly plantation that was machine planted after a planting failure on these acres. The stocking is well and the tress are growing well at this time. Some areas may be slightly overstocked due to earlier planting survival but it is a limited number of acres. This strata is split by the Wingate road, so access to it is not a problem.

Strata Recommendations

This strata should be thinned in 2018 to reduce the BA of the stand back to an average of 70 per acre and allow for maximun growth potential of these trees. This thinning should target the less desirable crop trees, those being forked, crooked, and or diseased.

Activity Recommendations

Harvest

1st thin

5th row method

Remove less desirable crop trees and reduce BA to 70

Strata 4

Strata Description

Strata 4: Stans 3,4,6

Acres: 120

This strata consists of longleaf plantations that was hand planted in 2010 and some in 2011. All areas are well stocked and growing at this time. Before planting this area was chemical site prepared and burned to allow for a clean planting site free of debris.

Strata Recommendations

This strata should be monitored fro the possibility of brown spot needle disease and if found a prescribed burn should be done to control that. Other than that this stand will not require any more management practices throughout the life of plan.

Activity Recommendations

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OTHER PLAN ACTIVITIES

Boundary Lines

Line Description

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

Line Recommendations

The lines should be maintained on a five year rotation with these needing painting in 2013 and again in 2018.

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.

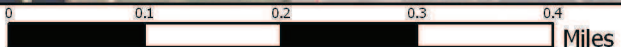


Perry County Schools

Wingate Section
2012 to 2021
640.23 Acres



(02/10/2012)



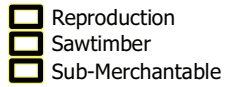
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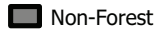
Property



Category 1: Stands



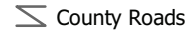
Category 3: Non-Forest Stands



Boundary Lines

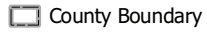


Transportation (Lines)



MFC Basemap

County Boundary



Quadrangle Grid



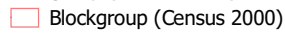
PLS Townships



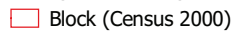
Survey Districts



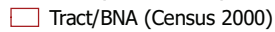
Blockgroup (Census 2000)



Block (Census 2000)



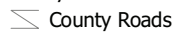
Tract/BNA (Census 2000)



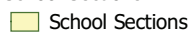
City Streets



County Roads



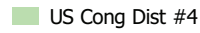
School Sections



Public School Districts



US Congressional District



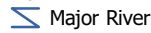
MS Senate



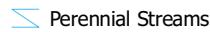
MS House



Major River



Perennial Streams



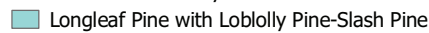
Intermittent Streams



Hydrologic Units (Basins)



Historic Forest Boundary



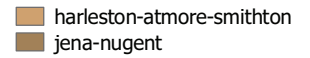
MS Forest Habitat



Physiographic Region



Soil Associations



Surface Geology



MFC Districts



MFC Dispatch Units

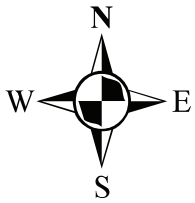


Incorporated Cities



MS Outline



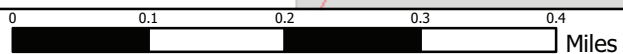


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Wingate Section
2012 to 2021
640.23 Acres



(02/10/2012)



Stand Activity Schedule for
Perry County Schools
16 3N 10W

Strata	Stand	Activity	Acre	Est. Cost	Est. Revenue
2016					
2	1	Harvest, Mechanical, Thin, Machine, Misc Hardwood	363	\$12,705.00	\$163,350.00
2	7	Harvest, Mechanical, Thin, Machine, Misc Hardwood	164	\$5,746.30	\$73,881.00
Yearly Totals			527	\$18,451.30	\$237,231.00
2018					
3	8	Harvest, Mechanical, Thin, Machine, Loblolly	71	\$2,485.00	\$15,620.00
3	11	Harvest, Mechanical, Thin, Machine, Loblolly	21	\$726.60	\$4,567.20
Yearly Totals			92	\$3,211.60	\$20,187.20
Grand Totals			619	\$21,662.90	\$257,418.20