



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-11W

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	9
PLAN MAP	10
PLAN MAP	11
STRATA ACTIVITY SCHEDULE	12

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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: 652 Latitude: -89.1 Longitude: 31.22
Section: 16 Township: 3N Range: 11W

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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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 on Old River Road off Hwy 29 north of New Augusta. This will be the North side of the section, and the South side will be Old Hwy 24. This section is divided by Leaf River which makes it two separate tracts to manage also. The northside of the river contains more river bottom with heavy clay soils while the South side has a sandy soil type throughout it. This section has several different timber types and also has approximately 72 acres of non forest lands on it which are the river bed and an old river lake on the south end.

Water Resources

This section is split by the Leaf River and also has many smaller drains throughout it that will have to be protected by the MS BMP laws.

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.

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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: Deep sands to heavy 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*.

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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.

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,

**MISSISSIPPI FORESTRY COMMISSION
FOREST STEWARDSHIP MANAGEMENT PLAN**

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.

STRATA

Strata 1

Strata Description

Strata 1: Stands 1,4,7

Acres: 120

The stands consist of four year old loblolly plantations that was machine planted. These stands was created due to Hurricane Katrina destroying the previous stands of hardwood on the sites. All areas are well stocked and growing at this time.

Strata Recommendations

Theses stands should be monitored for the possibility of disease and also invasive species. Should either be found it will need to be treated soon in order to prevent stand damage.

Strata 2

Strata Description

Strata 2: Stand 5

Acres 139

This stand consist of an approximatly 17 year old plantation that is mixed with loblolly and slash. It is difficult to see the rows and tell how it was planted due to blow in and natural regeneration from the last cut.

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FOREST STEWARDSHIP MANAGEMENT PLAN**

Strata Recommendations

This stand should be thinned in 2012 for the first time. This thinning should target the less desirable crop trees such as crooked and forked trees and also any disease trees found. After a thinning the stand will need a prescribed burn to clean up the stand and reduce the fuel load.

Activity Recommendations

Harvest

1st Thin

5th row method

Target less desirable trees and reduce BA to an average of 70

Fire Protection

A prescribed fire is recommended for this site in order to reduce fuel loading and the potential for a wildfire to occur. A prescribed burning plan must be developed and followed in the application of the burn. Because of equipment, personnel and weather requirements, the application of a prescribed fire is limited to only those days that meet requirements of the burning plan. A certified prescribed burning manager should be employed to conduct the burn. The Mississippi Forestry Commission (on a limited basis) and other certified prescribed burning vendors are available to conduct prescribed burning.

Strata 3

Strata Description

Strata 3: Stand 9

Acres 253

This stand consists mostly of a hardwood river bottom. It has a variety of oak and gum species none of which are low quality. The stand had a lot of damage during Hurricane and some was salvaged while other spots could not be. The stand however is recovering now and has a lot of young hardwood coming back.

Strata Recommendations

This stand should be managed as a river bottom and no cutting is on schedule for these acres as they are in recovery mode from the storms of 2005

Strata 4

Strata Description

Strata 4: Stand 10

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FOREST STEWARDSHIP MANAGEMENT PLAN**

Acres 50

This stand was salvaged after the Hurricane in 2005 and was allowed to naturally regenerate itself with hardwood, as it was a low area that will flood on a regular basis. The area has recovered well with over 500 hardwood sprouts to the acre at last check in 2008.

Strata Recommendations

No recommendations for this stand as it is still in the regeneration mode. However it will need to be monitored throughout the life of plan for investment of any kind.

OTHER PLAN ACTIVITIES

Boundary Lines

Line Description

All lines are painted orange and visible at this time.

Line Recommendations

All lines should be maintained on a 5 year rotation and these should be painted again in 2013 and also 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

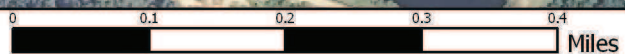
Old River Road Section

2012 to 2021

640 Acres



(02/10/2012)



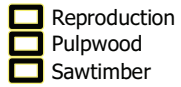
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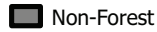
Property



Category 1: Stands



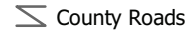
Category 3: Non-Forest Stands



Boundary Lines



Transportation (Lines)

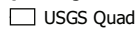


MFC Basemap

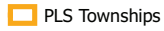
County Boundary



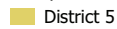
Quadrangle Grid



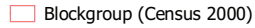
PLS Townships



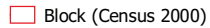
Survey Districts



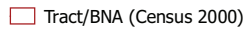
Blockgroup (Census 2000)



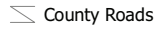
Block (Census 2000)



Tract/BNA (Census 2000)



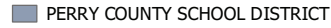
County Roads



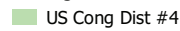
School Sections



Public School Districts



US Congressional District



MS Senate



MS House



Major River



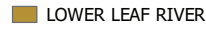
Perennial Streams



Intermittent Streams



Hydrologic Units (Basins)



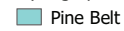
Historic Forest Boundary



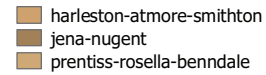
MS Forest Habitat



Physiographic Region



Soil Associations



Surface Geology



USFS Boundary



MFC Districts

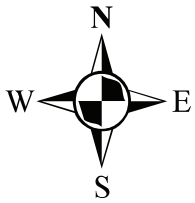


MFC Dispatch Units



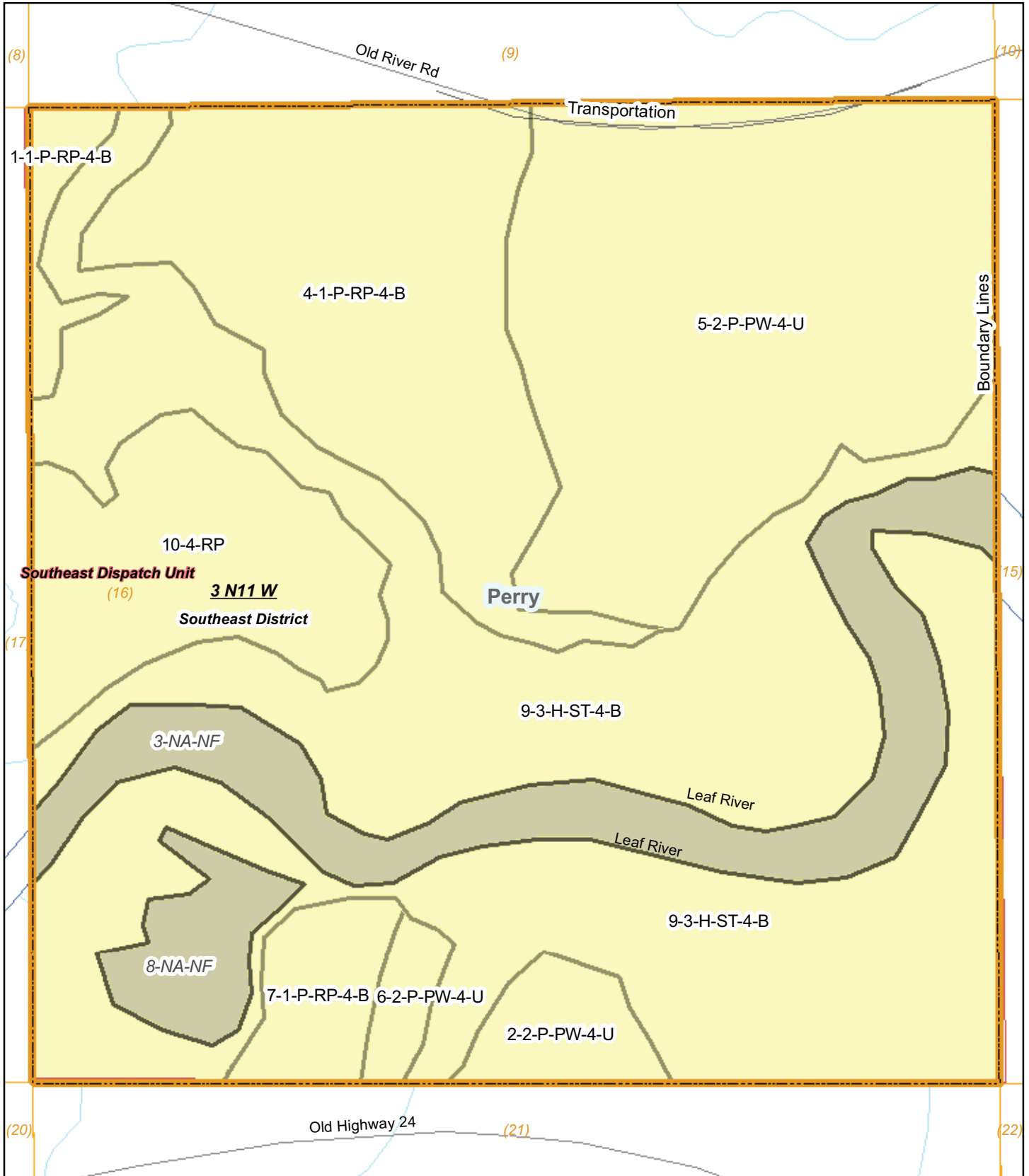
MS Outline



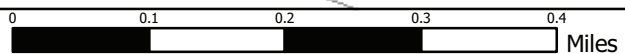


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Old River Road Section
2012 to 2021
640 Acres



(02/10/2012)



Stand Activity Schedule for
Perry County Schools
16 3N 11W

Strata	Stand	Activity	Acre	Est. Cost	Est. Revenue
2012					
2	5	Harvest, Mechanical, Thin, Machine, Loblolly	139	\$4,865.00	\$30,580.00
Yearly Totals			139	\$4,865.00	\$30,580.00
2014					
2	5	Fire Protection, Other, Burn, Hand, Fuel Reduction	139	\$3,475.00	\$0.00
Yearly Totals			139	\$3,475.00	\$0.00
2018					
2	5	Fire Protection, Other, Burn, Hand, Fuel Reduction	139	\$3,475.00	\$0.00
Yearly Totals			139	\$3,475.00	\$0.00
Grand Totals			417	\$11,815.00	\$30,580.00