



Vision • Commitment • Pride

# FOREST STEWARDSHIP MANAGEMENT PLAN

Prepared For:  
Natchez-Adams School District

Prepared By:  
Charles Wellborn  
MFC

Time Period Covered by This Plan:  
2012 - 2021

Date Plan Prepared:  
2012-01-24

Plan Type:  
Stewardship / Stewardship

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

**Property Name: 6-T8N-R2W**

MISSISSIPPI FOREST STEWARDSHIP PROGRAM

## TABLE OF CONTENTS

LANDOWNER INFORMATION .....	3
FORESTER INFORMATION .....	3
DISCLAIMER .....	3
INTRODUCTION .....	3
OBJECTIVES .....	4
PROPERTY DESCRIPTION .....	4
SOIL TYPES .....	5
GENERAL PROPERTY RECOMMENDATIONS .....	6
STRATA .....	7
PLAN MAP .....	9
PLAN MAP .....	10
STRATA ACTIVITY SCHEDULE .....	11

**MISSISSIPPI FORESTRY COMMISSION  
FOREST STEWARDSHIP MANAGEMENT PLAN**

**LANDOWNER INFORMATION**

Organization: Natchez-Adams School District  
Name: Natchez-Adams School District  
Mailing Address: P.O. Box 1185  
City, State, Zip: Natchez, MS 39120  
Country: United States of America  
Contact Numbers: Home Number:  
Office Number: 601-445-2815  
Fax Number:  
  
E-mail Address:  
Social Security Number (optional):

**FORESTER INFORMATION**

Name: Charles Wellborn , Adams-Wilk. Service Forester  
Forester Number: 00446  
Organization: MFC  
Street Address: 75C Carthage Point Rd.  
City, State, Zip: Natchez, MS 39120  
Contact Numbers: Office Number: 601-442-0472  
Fax Number:  
E-mail Address: cwellborn@mfc.state.ms.us

**PROPERTY LOCATION**

County: Adams    Total Acres: 98    Latitude: -91.32    Longitude: 31.7  
Section: 6    Township: 8N    Range: 2W

**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. 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 situated in the extreme northern portion of Adams County in the Loess Bluffs. The terrain on this section is very deeply dissected and steep. Access to this section is poor at best. There is a road that can be accessed from a public road just south of the section. This road is accessible by foot or ATV only. The road can be put into condition that vehicles can be used for harvesting purposes, but this will be expensive and will only last temporarily because the narrow ridges slough off on the sides and deep sinkholes undermine the road. Access can also be gained through private land holdings on the southwest portion of the section, but only with permission from the landowner. A gate is kept locked. The Mississippi Forestry Commission does have a key.

History - The entire section was harvested in 1988 where all merchantable timber was sold for \$64,092.00. Logging was completed in 1989, and following harvesting all cull trees were deadened to prepare the site for regeneration. Following harvesting, the remaining standing culls and undesirable species were injected with herbicide to control them. The ridges and upper slopes were direct seeded with loblolly pine seed. The lower slopes and bottoms were allowed to naturally regenerate back to hardwood.

*Archeological or Cultural Resources*

No archeological or cultural resources were observed during our inspection of this property.

*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.

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FOREST STEWARDSHIP MANAGEMENT PLAN**

*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.

*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:

## **SOIL TYPES**

*GxF*

Generated brief soil descriptions are created for major soil components. The Gullied land is a miscellaneous area. The Natchez component makes up 27 percent of the map unit. Slopes are 17 to 60 percent. This component is on hillslopes. The parent material consists of loess deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is very high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria.

*Memphis*

The Memphis component makes up 59 percent of the map unit. Slopes are 17 to 40 percent. This component is on uplands. The parent material consists of loess deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is very high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria. The Natchez component makes up 29 percent of the map unit. Slopes are 17 to 60 percent. This component is on hillslopes. The parent material consists of loess deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is very high.

**MISSISSIPPI FORESTRY COMMISSION  
FOREST STEWARDSHIP MANAGEMENT PLAN**

Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria.

## **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.

Boundary lines are scheduled to be painted in FY 2012 and FY 2017.

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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.

*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.

**STRATA**

*Strata 1*

Strata Description

Strata 1: Stands 3 and 4

Acres: 93

These stands are both forested and are separated by a large kudzu patch which has been there for a long time. The kudzu continues onto the adjoining landowners. Miscellaneous hardwood and loblolly pine regeneration is scattered over the whole section in various seedling and sapling stages. Our latest reconnaissance shows that much of the section is severely encroached with undesirable vegetation. Predominately kudzu, switch cane, and undesirable woody species like black locust, hackberry, ironwood, etc.

Stand Recommendations

This stand will be managed for mixed pine and hardwood production on a 55-year rotation. During this time frame, management activities such as, thinning to remove poor quality trees and improve growth, and vegetative control of undesirable species will be used to keep stands at full production.

Activity Recommendations

Technical

This area should be inspected in 2017 for further management practices.

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FOREST STEWARDSHIP MANAGEMENT PLAN**



NATCHEZ-ADAMS SCHOOL DISTRICT

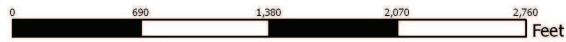


**NATCHEZ-ADAMS SCHOOL DISTRICT**

S6, T8N, R2W, ADAMS COUNTY, MS  
2012 to 2021  
98 +/- ACRES



(01/25/2012)





S6, T8N, R2W- LEGEND

Property



Property

Category 1: Stands

- Clear Cut
- Non-Stocked
- Reproduction
- Sub-Merchantable
- Pulpwood
- Chip-n-Saw

Category 1: Stands (cont)

- Sawtimber
- Poles

Category 2: Stands

- Clear Cut
- Non-Stocked
- Reproduction
- Sub-Merchantable
- Pulpwood

Category 2: Stands (cont)

- Chip-n-Saw
- Sawtimber
- Poles

Category 3: Non-Forest Stands

- Non-Forest

Stand Activity Summary for  
Natchez-Adams School District  
6 8N 2W

**Filters Applied:** County: Adams  
 Client Class:  
 District:  
 Client: Natchez-Adams School Dis  
 STR: 6 8N 2W  
 Activity:  
 Year: 2012 Through 2021

STR	Strata	Stand	Activity	Acre	Est. Cost	Est. Revenue
<b>2017</b>						
6 8N 2W	1	3	Technical, Maintain, Update, Hand, Management Plan	80	\$160.28	\$0.00
6 8N 2W	1	4	Technical, Maintain, Update, Hand, Management Plan	13	\$26.00	\$0.00
Yearly Totals				93	\$186.28	\$0.00
<b>Grand Totals</b>				<b>93</b>	<b>\$186.28</b>	<b>\$0.00</b>