



Vision • Commitment • Pride

# FOREST STEWARDSHIP MANAGEMENT PLAN

Prepared For:  
Forest Municipal BOE

Prepared By:  
James O Palmer  
MFC

Time Period Covered by This Plan:  
2012 - 2021

Date Plan Prepared:  
2008-04-16

Plan Type:  
Stewardship / Stewardship

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

**Property Name: 16-5N-8E**

## TABLE OF CONTENTS

LANDOWNER INFORMATION .....	3
FORESTER INFORMATION .....	3
Disclaimer .....	3
INTRODUCTION .....	3
OBJECTIVES .....	4
PROPERTY DESCRIPTION .....	5
GENERAL PROPERTY RECOMMENDATIONS .....	6
STRATA .....	7
OTHER PLAN ACTIVITIES .....	10
PLAN MAP .....	12
STRATA ACTIVITY SCHEDULE .....	13

**MISSISSIPPI FORESTRY COMMISSION  
FOREST STEWARDSHIP MANAGEMENT PLAN**

**LANDOWNER INFORMATION**

Name: Forest Municipal BOE  
Mailing Address: 325 Cleveland St  
City, State, Zip: Forest , MS 39074  
Country: United States of America  
Contact Numbers: Home Number:  
Office Number: 601-469-3250  
Fax Number:  
  
E-mail Address:  
Social Security Number (optional):

**FORESTER INFORMATION**

Name: James O Palmer , Service Forester  
Forester Number: 00000  
Organization: MFC  
Street Address: PO Box 1467  
City, State, Zip: Forest, MS 39074  
Contact Numbers: Office Number: 601-469-1981  
Fax Number:  
E-mail Address: jpalmer@mfc.state.ms.us

**PROPERTY LOCATION**

County: Scott    Total Acres: 697    Latitude: -89.48    Longitude: 32.28  
Section: 16    Township: 5N    Range: 8E

**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.

*Purpose of the Plan*

**MISSISSIPPI FORESTRY COMMISSION  
FOREST STEWARDSHIP MANAGEMENT PLAN**

This plan is a vital part of the Mississippi Forestry Commission's efforts in implementing the best forest management program possible on sixteenth section school trust lands in Scott County, Mississippi. This plan establishes a tentative schedule of activities to be followed in improving sixteenth section forested land through a directed forest management program. Scott County presently claims title to sixteen parcels of sixteenth section land. All sixteen are full sections which contain approximately 10,324 acres of which 5,774 are forested. In Scott County, increasing demands are being placed on sixteenth section lands to provide additional revenue to supplement its public school system. In regard to meeting these demands for managing the forest resource will require an intensive forest management program and a working knowledge of the silvicultural choices available.

**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

*Water Quality*

Streamside management zones have or will be established along the stream and a protective vegetative zone maintained along the perimeter. Water diversions will be installed and maintained where needed on access roads to prevent erosion.

**MISSISSIPPI FORESTRY COMMISSION  
FOREST STEWARDSHIP MANAGEMENT PLAN**

**PROPERTY DESCRIPTION**

*General Property Information*

General: 16-5-8 is located about 6 miles south of Forest. The northwest corner touches Hwy 35. Access to most of the timbered portion of the section is by Green Grove Road. Green Grove Road dead ends at the south line of the section at the Homewood hunting club.

Topography: Topography is very gently rolling. Soils are prairie. Vehicile traffic is limited to dry weather. A creek runs from north to south across the section.

History: Boundary lines are painted white. This section has 331 acres of non-forest land. No treatment has been done in the hardwood area. Burning has been done in the pine areas. Stands 3, 4, and 5 were clear cut and planted. Stand 1 is a natural stand that was thinned in 1998. Stand 2 is a two ages stand that resulted fro a shelter wood cut in the early 80's.

Recreation and wildlife: All acres of this section are leased. This section has good habitat for whitetail deer and wild turkey.

Problems: Access is a problem. Most of the west line is across open land. This line is not well marked. There are concrete corners at the southwest, southeast, and northeast corners. The north and south lines do not run exactly east and west. This is due to a re-survey of the township in the 1940's.

*Water Resources*

Tallabouge Creek runs form north to south across the section. This is a hardwood site.

*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 have been identified on this section.

*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.

Soils on this section are silty clay to clay. Locally thses soils are called "prarie". The upland sites are well suited to growing pine and the soils near the creek is suitable for hardwoods.

**MISSISSIPPI FORESTRY COMMISSION  
FOREST STEWARDSHIP MANAGEMENT PLAN**

*Archeological and Cultural Resources*

No Archeological or Cultural resources were identified during a reconnaissance of the property. However, if Archeological or Cultural resources are discovered anytime on the property special managements measures will be applied immediately in order preserve these sensitive areas. These areas can range from churches, old cemeteries or Indian mounds to old home sites or other areas of historical significance.

## **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 no.107, *Mississippi's Best Management Practices*.

**Boundary Lines**

Boundary lines are painted white. Concrete corners are at the southwest, northeast, and southeast corners. The west line crosses some open and land is not marked well.

**MISSISSIPPI FORESTRY COMMISSION  
FOREST STEWARDSHIP MANAGEMENT PLAN**

*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.

*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. Whitetail deer, wild turkey, and rabbits are usually the featured species.

*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. A diversity of age classes will be maintained when possible.

*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*

Land classified as "forest land" is leased for hunting and fishing. This adds income for the schools. Providing quality habitat is considered in planning timber activities. An example is staggering clearcuts to maintain or create different age classes that will better provide for wildlife. Whitetail deer and turkey are the two most hunted species on Scott county's school trust property.

**STRATA**

*Strata 24*

Strata Description

This strata is classified as Sawtimber. It consists of two Stands; 11 and 12 with a total area of 198 acres.

These stands are classified as pine and hardwood sawtimber. They have reached an adequate size, maturity and stocking.

**MISSISSIPPI FORESTRY COMMISSION  
FOREST STEWARDSHIP MANAGEMENT PLAN**

Strata Recommendations

The stands in this strata are a mixture of pine and hardwood sawtimber approximately 40 to 50 years old. These stands will be managed to a 45 to 55 year rotation.

*Strata 12*

Stand Description

This strata is classified as Reproduction. It consists of three Stands; 1, 2, and 3 and has a total acreage of 64.

These stands are classified as pulpwood and were artificially regenerated with genetically improved Loblolly Pine Seedlings. These stands are approximately 12 years old.

Stand Recommendations

These stands are a mixture of pine plantations that are 12 years old. They will be evaluated for first thinning at age 15. These stands will be managed to a 35 to 40 year rotation. During this time, management activities such as thinnings, mid-rotation release, and prescribed burning will be used to keep stands at full production.

Activity Recommendations

Harvest

A first thinning is scheduled in 2014 for Strata 12 on approximately 64 acres that will focus on removing poor quality, diseased, poor formed trees. Residual stocking should be 70 square feet per acre.

*Strata 13*

Strata Description

This strata is classified as Sawtimber. It consists of one Stand; 6 with a total area of 40 acres.

This stand is classified as pine sawtimber. It has not yet reached an adequate size, maturity and stocking.



**MISSISSIPPI FORESTRY COMMISSION  
FOREST STEWARDSHIP MANAGEMENT PLAN**

Stand Recommendations

This stand is a pine plantation that is 34 years old. This stand is currently being evaluated for a second thinning. This stand will be managed to a 35 to 40 year rotation. During this time, management activities such as thinnings, mid-rotation release, and prescribed burning will be used to keep this stand at full production.

Activity Recommendations

Harvest

A second thinning is scheduled in 2012 for Strata 13 on 28 acres that will focus on opening the stand further by removing smaller less well formed trees and focusing on leaving the tallest trees with the largest diameter and crowns. These trees should be the best and highest value trees in the stand that will be the final harvest crop trees. Residual stocking will be 70 square feet per acre.

Harvest

A final harvest is scheduled for strata 13 in 2020 on approximately 40 acres.

*Strata 15*

Stand Description

This strata is classified as Reproduction. It consists of one Stand; 7 and has a total acreage of 57.

This stand is classified as reproduction and was artificially regenerated with genetically improved Loblolly Pine Seedlings. This stand is approximately 2 years old.

Stand Recommendations

This stand is a pine plantation that is 2 years old. This will be evaluated for first thinning at age 15. This stand will be managed to a 35 to 40 year rotation. During this time, management activities such as thinnings, mid-rotation release, and prescribed burning will be used to keep this stand at full production.

**MISSISSIPPI FORESTRY COMMISSION  
FOREST STEWARDSHIP MANAGEMENT PLAN**

**OTHER PLAN ACTIVITIES**

*Boundary Lines*

Line Description

Generally, these lines consist of permanent boundary lines that delineate the section boundary. They are usually well established and are readily identifiable by a pushed or painted line.

Line Recommendations

Routine inspections and general maintenance of the roads, firelanes and boundary lines will ensure overall appearance and aesthetics of the property. These lines are usually maintained by painting, pushing or disking. They are generally pushed on a yearly basis and re-painted every 3 to 5 years.

Activity Recommendations

Property Activities 2012

This line will be repainted with White Boundary Line paint in 2012.

Routine inspections and general maintenance of the roads, firelanes and boundary lines will ensure overall appearance and aesthetics of the property. These lines are usually maintained by painting, pushing or disking. They are generally pushed on a yearly basis and re-painted every 3 to 5 years.

Property Activities 2016

This line will be repainted with White Boundary Line paint in 2016.

Routine inspections and general maintenance of the roads, firelanes and boundary lines will ensure overall appearance and aesthetics of the property. These lines are usually maintained by painting, pushing or disking. They are generally pushed on a yearly basis and re-painted every 3 to 5 years.

Property Activities 2020

This line will be repainted with White Boundary Line paint in 2020.

**MISSISSIPPI FORESTRY COMMISSION  
FOREST STEWARDSHIP MANAGEMENT PLAN**

Routine inspections and general maintenance of the roads, firelanes and boundary lines will ensure overall appearance and aesthetics of the property. These lines are usually maintained by painting, pushing or disking. They are generally pushed on a yearly basis and re-painted every 3 to 5 years.



**16-5N-8E Forest Municipal**  
**0046 00016 28123 04162008130031**

2012 to 2021  
696.95 Acres



(01/04/2012)

# Ledgend Map 16-5-8



## Property

- Property

## Category 1: Stands

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

## Category 2: Stands

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

## Category 3: Non-Forest Stands

- Non-Forest

## Category 4: Not in Plan Stands

- Not in Plan

## Category 5: Features Only Plan Stand

- Features Only Plan

## Restricted Sites

- Archeology
- Cemetery
- Red-Cockaded Woodpecker
- Gopher Tortoise
- Picture Bogg Plant

## Forest Health (Points)

- Cogan Grass
- Kudzu
- Japanese Climbing Fern
- Chinese Tallow
- Privet
- Southern Pine Beetle
- Sirex Wasp
- IPPS

## Hydrology (Points)

- Concrete Dam
- Beaver Dam
- Earthen Dam
- Permanent
- Temporary
- Wooden
- Other
- Culvert
- Pond

## Wildlife (Points)

- Food Plot
- Water Hole
- Feeder

## Boundary Corners

- Property
- Section
- Quarter Section
- Areas

## Structures

- Barn
- Tractor Shed
- Out Building
- Single-Family
- Multi-Family
- Camp House
- Club House
- Office Building
- Manufacturing
- Warehouse
- Chicken House
- Horse Stall
- Milking Parlor
- Hog Pen
- Blind
- Stand
- Hospital
- Nursing Home
- Dr. Clinic
- State Facility
- Office
- Work Center
- Materials Depot
- Prison
- School
- Church
- Mosque
- Synagogue
- Other

## Cruise Plots

- Pre-Cruise
- Post-Cruise

## Other

- Towers
- Logging Deck
- Locked
- UnLocked
- Water
- Oil
- Natural Gas

## Property Roads/Trails

- Drive Ways
- Access Road
- Logging Road
- Skid Trail
- Farm Road
- Hiking Trail
- Horseback Riding Trail

## Boundary Lines

- Archeology
- Cemetery
- Drilling Sites
- Education

## Boundary Lines (cont)

- Forest Health
- Invasive Species
- Management Compartment
- Military Area
- Natural Area
- Property
- Recreation
- Rights of Way
- SMZ
- Special Use
- Stand
- Surface Mining
- Threatened/Endangered Species
- Visual Buffer

## Fire Control

- Temporary Line
- Permanent Fire Break

## Wildlife (Lines)

- Green Strip

## Fire

- Mitigation Burn
- Silviculture Burn
- Site-Prep Burn
- Wildfire

## School Land Lease

- Hunting
- Minerals
- Recreation

## Restricted Area

- SMZ
- Archeology
- Cemetery
- Visual Buffer
- Special Use
- Natural Area
- Education
- Recreation
- Military Area
- Large Utility
- Red-Cockaded Woodpecker
- Gopher Tortoise
- Picture Bogg Plant
- Coal
- Gravel
- Dirt
- Water
- Oil
- Natural Gas

## Forest Health (Polygons)

- Cogan Grass
- Kudzu
- Japanese Climbing Fern
- Chinese Tallow
- Privet
- Southern Pine Beetle
- Sirex Wasp
- IPPS

## School Land Classification

- Forest Land
- Farm/Residential Land
- Residential Land
- Agricultural Land
- Industrial Land
- Recreational Land
- Catfish Farming Land
- Other Land
- Commercial Land

## Management Compartment

- Management
- Regeneration
- Site Preparation
- Post Plant
- Site Improvement
- Vegetation Control
- Stand Improvement
- Invasive Species Control
- Harvest
- Fire Protection
- Technical
- Wildlife Management
- Property Activities
- Roads
- SMZ
- Forest Health
- Recreation
- Site Restoration

## Transportation (Lines)

- City Streets
- County Roads
- 3 Digit Highway
- Interstate Highway
- US Highway
- State Highway
- Natchez Trace Parkway
- Runways/Airports
- Active RR
- Abandoned RR

## Hydrology (Lines)

- Mississippi River
- Major River
- Primary Stream
- Intermittent Stream
- Canal
- Ditch
- Earthen Dam
- Concrete Dam

## Utilities (Lines)

- Large Electrical
- Local Utility
- Large Pipeline
- Small Pipeline
- Gas Line
- Utility Line
- Water Line



Stand Activity Schedule for  
Forest Municipal BOE  
16 5N 8E

Strata	Stand	Activity	Acre	Est. Cost	Est. Revenue
<b>2012</b>					
13	6	Harvest, Mechanical, 2nd Thin, Machine, Loblolly	28	\$2,100.00	\$22,491.56
Yearly Totals			28	\$2,100.00	\$22,491.56
<b>2014</b>					
12	1	Harvest, Mechanical, Thin, Machine, Loblolly	20	\$715.40	\$5,257.17
12	2	Harvest, Mechanical, Thin, Machine, Loblolly	15	\$524.65	\$3,855.43
12	3	Harvest, Mechanical, Thin, Machine, Loblolly	29	\$1,009.05	\$7,415.08
12	10	Harvest, Mechanical, Thin, Machine, Loblolly	7	\$234.15	\$1,720.67
Yearly Totals			71	\$2,483.25	\$18,248.34
<b>2020</b>					
13	6	Harvest, Mechanical, Final, Machine, Loblolly	40	\$1,400.00	\$75,137.60
Yearly Totals			40	\$1,400.00	\$75,137.60
<b>Grand Totals</b>			<b>139</b>	<b>\$5,983.25</b>	<b>\$115,877.50</b>