



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: 16-7N-8E

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**MISSISSIPPI FORESTRY COMMISSION
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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: 652 Latitude: -89.48 Longitude: 32.45
Section: 16 Township: 7N 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

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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

PROPERTY DESCRIPTION

General Property Information

General: This section is administered by the Forest Municipal School District. One stand classified as "forest land" on this section is an old landfill site that can not be managed. The timbered areas are fragmented and mixed with improvements that make management difficult. Thinning has been done in the past on some stands. Stands 6 and 8 are plantations that have potential for management. Othes stands will eventually be liquidated to allow for

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other uses.

This section is about 6 miles north of Forest. Highway 35 , and Old Jackson Road are the two main roads in the section. Numerous other roads are on the section. There are numerous residences on the section.

Old Jackson Road was an early important road in the county. This stimulated early settlement on the section. Timber has never been a priority on this section. Existing timber stands are generally the result of open land being abandoned.

A closed land fill in located in the NE1/4 of the SE1/4.

History: Boundary lines are painted white. There is 454 acres of non-forest land on this section. Intermediate cuts have been done in pine stands. Two areas Stands 6 and 8 were cut to allow regeneration. Most harvest on this section are small liquidation sales to allow other uses.

Recreation and wildlife: Hunting is not important due to the number of houses on the section.

Problems: The number of small parcels are a problem. There are frequent request from home owners to have trees removed from yards.

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.

Timber Production

The goal is to maximize the production of high quality timber when an opportunity to grow timber exist. 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. This section has a limited opportunity for timber management due to the fragmented leases and the number of houses. All timber stands have been thinned over the years. However, most of these stands will be cut as liquidation sales to allow other uses.

Threatened and Endangered Species

No threatened and endangered species were identified during the reconnaissance and evaluation of your property.

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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.

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.

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Fire Protection

Forest should be protected from wildfire at all times. The best way to protect your investment is by establishing and maintaining firebreaks around and through the property. Woods roads and firelanes provide access for fire control. Prescribed burning reduces fuels.

Boundary Lines

Boundary lines are painted white. Lines are re-painted about every four years. A cross-tie marks the northwest corner. A concrete marker is at the southwest and the northeast corners. There was a concrete corner at the southeast corner. It has been lost probably due to dirt work done by the neighbor.

Water Quality Protection

The objective 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.

STRATA

Strata 3

Stand Description

This strata is classified as Reproduction. It consists of two Stands; 5 and 6 and has a total acreage of 22.

These stands are classified as reproduction and were artificially regenerated with genetically improved Loblolly Pine Seedlings. These stands are approximately 1 year old.

Stand Recommendations

These stands are a mixture of pine plantations ranging from 1 to 2 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.

Strata 12

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Stand Description

This strata is classified as Sub-Merchantable. It consists of one Stand; 11 and has a total acreage of 18.

This stand is classified as sub-merchantable and was artificially regenerated with genetically improved Loblolly Pine Seedlings. This stand is approximately 7 years old.

Stand Recommendations

This stand is a pine plantation that is 7 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.

Activity Recommendations

Harvest

A first thinning is scheduled in 2016 for Strata 12 in stand 11 on approximately 18 acres that will focus on removing poor quality, diseased, poor formed trees. Residual stocking should be 70 square feet per acre.

Strata 16

Stand Description

This strata is classified as Sub-Merchantable. It consists of one Stand; 18 and has a total acreage of 43.

This stand is classified as sub-merchantable and was artificially regenerated with genetically improved Loblolly Pine Seedlings. This stand is approximately 14 years old.

Stand Recommendations

This stand is a pine plantation that is 14 years old. This will be evaluated for first thinning at age 15. This stand will be managed to a 35 to 40 year

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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 first thinning is scheduled in 2013 for Strata 16 in stand 18 on approximately 43 acres that will focus on removing poor quality, diseased, poor formed trees. Residual stocking should be 70 square feet per acre.

Fire Protection

A prescribed burn is recommended for this site in 2014 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. The Mississippi Forestry Commission (on a limited basis) and other certified prescribed burning vendors are available to conduct prescribed burning.

Harvest

A second thinning is scheduled in 2020 for Strata 16 on 43 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.

Strata 35

Strata Description

This strata is classified as Sawtimber. It consists of six Stands; 4, 7, 8, 12, 14, and 15 with a total area of 97 acres.

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

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.

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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 2013

This line will be repainted with White Boundary Line paint in 2013.

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 2017

This line will be repainted with White Boundary Line paint in 2017.

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 2021

This line will be repainted with White Boundary Line paint in 2021.

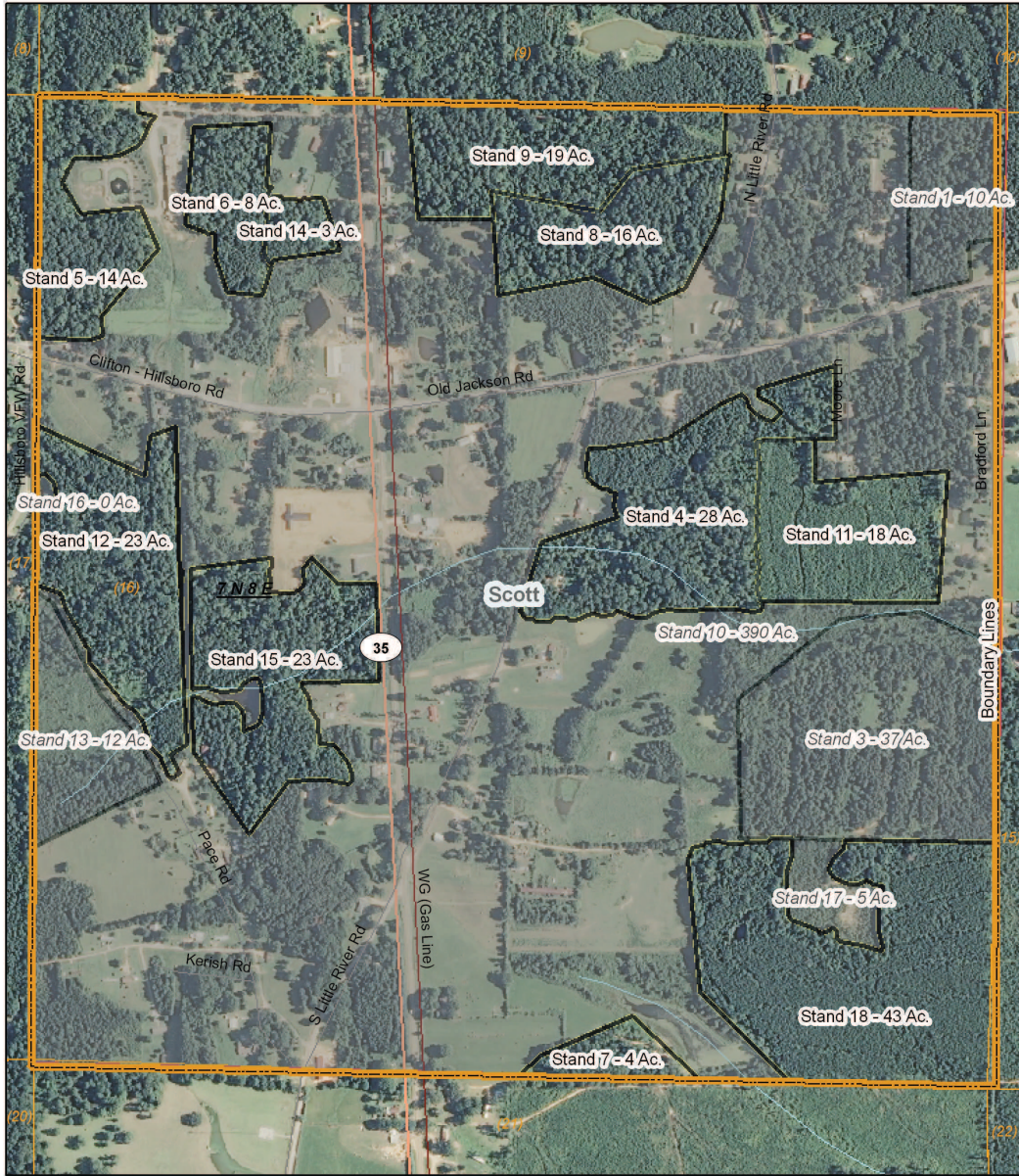
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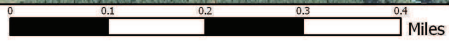


16-7N-8E Forest Municipal
0046 00016 28123 04162008131326

2012 to 2021
652.46 Acres



(01/04/2012)



Plan: 16-7N-8E



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 7N 8E

Strata	Stand	Activity	Acre	Est. Cost	Est. Revenue
2013					
16	18	Harvest, Mechanical, 1st Thin, Machine, Loblolly	43	\$1,505.00	\$11,059.60
Yearly Totals			43	\$1,505.00	\$11,059.60
2014					
16	18	Fire Protection, Other, Burn, Hand, Fuel Reduction	43	\$1,076.00	\$0.00
Yearly Totals			43	\$1,076.00	\$0.00
2016					
12	9	Harvest, Mechanical, 1st Thin, Machine, Loblolly	19	\$665.00	\$4,886.80
12	11	Harvest, Mechanical, 1st Thin, Machine, Loblolly	17	\$596.05	\$4,380.12
Yearly Totals			36	\$1,261.05	\$9,266.92
2020					
16	18	Harvest, Mechanical, 2nd Thin, Machine, Loblolly	43	\$1,505.00	\$15,423.24
Yearly Totals			43	\$1,505.00	\$15,423.24
Grand Totals			165	\$5,347.05	\$35,749.76