



Vision • Commitment • Pride

FOREST STEWARDSHIP MANAGEMENT PLAN

Prepared For:
Lawrence Board of Education

Prepared By:
Steven J. Williams
M.F.C.

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: S16 T6N R11E

TABLE OF CONTENTS

LANDOWNER INFORMATION	3
FORESTER INFORMATION	3
DISCLAIMER	3
INTRODUCTION	3
OBJECTIVES	4
PROPERTY DESCRIPTION	4
GENERAL PROPERTY RECOMMENDATIONS	5
SOIL TYPES	7
STANDS	7
OTHER PLAN ACTIVITIES	9
PLAN MAP	10
PLAN MAP	11
STAND ACTIVITY SCHEDULE	12

**MISSISSIPPI FORESTRY COMMISSION
FOREST STEWARDSHIP MANAGEMENT PLAN**

LANDOWNER INFORMATION

Organization: Lawrence Board of Education
Name: Lawrence Board of Education
Mailing Address: 346 Thomas E.
Jolly Dr.
City, State, Zip: Monticello, MS 39654
Country: United States of America
Contact Numbers: Home Number:
Office Number: 601-587-2506
Fax Number:
E-mail Address:
Social Security Number (optional):

FORESTER INFORMATION

Name: Steven J. Williams , Service Forester
Forester Number: 02085
Organization: M.F.C.
Street Address: P.O. Box 374
City, State, Zip: Monticello, MS 39654
Contact Numbers: Office Number: 601-587-7515
Fax Number:
E-mail Address:

PROPERTY LOCATION

County: Lawrence Total Acres: 165 Latitude: -90.1 Longitude: 31.49
Section: 16 Township: 6N Range: 11E

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.

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 is a partial school section which, contains 164 acres. It is located in the Robinwood Community of Lawrence County. The section has hilly terrain with a meandering creek that runs through it. This section is the only section that is enrolled in the EFCRP Katrina program.

Archeological and Cultural Resources

These areas can range from churches, old cemeteries or Indian mounds to old home sites or other areas of historical significance.

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 management measures will be applied immediately in order to preserve these sensitive areas.

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. 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.

**MISSISSIPPI FORESTRY COMMISSION
FOREST STEWARDSHIP MANAGEMENT PLAN**

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:

GENERAL PROPERTY RECOMMENDATIONS

Forest Protection

A healthy vigorous growing stand is the best defense from an attack 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.

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.

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.

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

**MISSISSIPPI FORESTRY COMMISSION
FOREST STEWARDSHIP MANAGEMENT PLAN**

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.

SOIL TYPES

Smithdale

The Smithdale component makes up 41 percent of the map unit. Slopes are 15 to 30 percent. This component is on hillslopes. The parent material consists of loamy fluviomarine 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 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 1 percent. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria. The Lucy component makes up 37 percent of the map unit. Slopes are 15 to 30 percent. This component is on coastal plains. The parent material consists of sandy and loamy marine 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 moderate. 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 1 percent. Nonirrigated land capability classification is 6e. This soil does not meet hydric criteria.

STANDS

Stand Reproduction (S#7)

Stand Description

This is a 4 year longleaf plantation which was planted in 2007. A survival count was performed the following year, resulting in a adequate stand, it contains 47 acres.

Stand Recommendations

This stand will be managed as a pine stand and will be regenerated back into pine following the final harvest.

MISSISSIPPI FORESTRY COMMISSION
FOREST STEWARDSHIP MANAGEMENT PLAN

Stand Pulpwood (S#11)

Stand Description

This is a 18 year old stand that has been thinned one time and contains 32 acres.

Stand Recommendations

This stand will be managed as a pine stand on a 35 to 40 year rotation, and will be regenerated back into pine following the final harvest.

Activity Recommendations

Harvest

This stand will need to be thinned in the year 2019. A mechanical corridor thin will be used, with the remaining basal area around 70.

Stand Pulpwood (S#16)

Stand Description

This is a 18 year old stand that has been thinned one time and contains 12 acres.

Stand Recommendations

This stand will be managed as a pine stand on a 35 to 40 year rotation, and will be regenerated back into pine following the final harvest.

Activity Recommendations

Harvest

This stand will need to be thinned in the year 2019. A mechanical corridor thin will be used, with the remaining basal area around 70.

Stand Pulpwood (S#19)

Stand Description

This is a 18 year old stand that has been thinned one time and contains 3 acres.

Stand Recommendations

This stand will be managed as a pine stand on a 35 to 40 year rotation, and will be regenerated back into pine following the final harvest.

Activity Recommendations

Harvest

This stand will need to be thinned in the year 2019. A mechanical corridor thin will be used, with the remaining basal area around 70.

MISSISSIPPI FORESTRY COMMISSION
FOREST STEWARDSHIP MANAGEMENT PLAN

Stand Sawtimber (S#20)

Stand Description

This is a natural stand of mixed pine, hardwood sawtimber that is over 40 years in age and contains 67 acres.

Stand Recommendations

Maintain roads and firelanes along with yearly inspections. Note final harvest can not be made until after 2018, these stands are under the EFCRP program. Some of this stand is also inoperable due to the terrain.

Activity Recommendations

Harvest

This stand is scheduled for a regeneration cut in 2021.

Stand Sawtimber (S#32)

Stand Description

This is a natural stand of mixed pine, hardwood sawtimber that is 3 acres in size.

Stand Recommendations

Maintain roads and firelanes along with yearly inspections. Note final harvest can not be made until after 2018, these stands are under the EFCRP program. This stand is also inoperable due to the terrain.

OTHER PLAN ACTIVITIES

Boundary Lines

Line Description

Boundary lines have been established and are painted in orange paint.

Line Recommendations

Boundary lines should be repainted every four years.

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.

Legend





Legend 16-6-11


Property

 Property (1)


Category 1: Stands

 Reproduction (1)


 Pulpwood (3)

 Sawtimber (2)

Category 3: Non-Forest Stands


 Non-Forest (6)

Management Compartment


 Harvest (2)

MFC Basemap


County Boundary

 County Boundary (1)


Quadrangle Grid

 USGS Quad (1)


PLS Townships

 PLS Townships (1)


Survey Districts

 District 4 (1)


Blockgroup (Census 2000)

 Blockgroup (Census 2000) (1)


Block (Census 2000)

 Block (Census 2000) (2)


Tract/BNA (Census 2000)

 Tract/BNA (Census 2000) (1)


School Sections

 School Sections (1)

Public School Districts

 LAWRENCE COUNTY SCHOOL DIST (1)

US Congressional District

 US Cong Dist #3 (1)


MS Senate

 39 (1)


MS House

 91 (1)


Perennial Streams

 Perennial Streams (1)


Intermittent Streams

 Intermittent Streams (1)


Hydrologic Units (Basins)

 MIDDLE PEARL RIVER (1)


Historic Forest Boundary

 Longleaf Pine with Loblolly Pine-Slash Pine (1)


MS Forest Habitat


 SOUTHERN LOAM HILLS-RUGGED TOPOGRAPHY (1)

Physiographic Region


 SOUTH CENTRAL HILLS (1)


Soil Associations

 smithdale-lucy-ruston (1)


 guyton-rosebloom-cahaba (1)

Surface Geology

 CITRONELLE (1)

 PASCAGOULA/HATTIESBURG (1)


MFC Districts

 MFC Districts (1)

MFC Dispatch Units

 MFC Dispatch Units (1)

MS Outline

 MS Outline (1)

Plan map



Lawrence Cty BOE

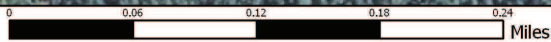
S16 T6N R11E Robinwood

2012 to 2021

164.57 Acres



(02/03/2012)



Stand Activity Summary for
Lawrence Board of Education
16 6N 11E

Filters Applied: County: Lawrence
 Client Class: School Trust Land
 District: Southwest District
 Client: Lawrence Board of Educat
 STR: 16 6N 11E
 Activity:
 Year: 2012 Through 2021

STR	Strata	Stand	Activity	Acre	Est. Cost	Est. Revenue
2019						
16 6N 11E	1	11	Harvest, Mechanical, Thin, Machine, Loblolly	32	\$800.00	\$3,616.64
16 6N 11E	1	16	Harvest, Mechanical, Thin, Machine, Loblolly	12	\$300.00	\$1,356.24
16 6N 11E	1	19	Technical, Maintain, Re-Cruise, Hand, Inventory	3	\$6.00	\$0.00
Yearly Totals				47	\$1,106.00	\$4,972.88
2021						
16 6N 11E	3	20	Harvest, Mechanical, Final, Machine, Loblolly	67	\$2,345.00	\$31,211.28
Yearly Totals				67	\$2,345.00	\$31,211.28
Grand Totals				114	\$3,451.00	\$36,184.16