



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 T8N R21W South

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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: 174 Latitude: -90.12 Longitude: 31.66
Section: 16 Township: 8N Range: 21W

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 section is a partial school section containing approximately 177 acres. It is bordered on one side by the Pearl River. Due to the proximity of the river it is prone to flooding and has some water filled sloughs. Access is limited by adjoining landowners. This is the southern partial of this school section.

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.

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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 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.

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

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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

Jena

The Jena component makes up 57 percent of the map unit. Slopes are 0 to 2 percent. This component is on natural levees. The parent material consists of loamy alluvium. 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 frequently 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 5w. This soil does not meet hydric criteria. Generated brief soil descriptions are created for major components. The Alaga soil is a minor component.

STANDS

Stand 2

Stand Description

This is a fresh cutover that was cut around September 2010 and consists of 139 acres.

Stand Recommendations

Let part of this stand come back as natural regeneration and the other part be planted with different kinds of hardwood seedlings.

Activity Recommendations

Site Preparation

Aerial Application of Herbicide - Site preparation in the form of an aerial application of a herbicide should be applied to the tract to control competing vegetation. The herbicide should conform to the manufacturer recommendation rates and specifications. A herbicide representative should be contacted to write a rate.

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Regeneration

Once this stand has been liquidated there will be a chemical site prep and replanting of various hardwoods in year 2013.

Stand 3

Stand Description

This is a stand of hardwood and cypress sawtimber consisting of 9 acres.

Stand Recommendations

Leave this for wildlife and wetland due to occasional backwater.

Stand 5

Stand Description

This is a natural stand of mixed pine, hardwood sawtimber. This is the SMZ left for the river from the 2010 timber sale and consists of 26 acres.

Stand Recommendations

Leave this stand alone and use it for bank stabilization, water quality and wildlife.

Stand 7

Stand Description

This is a one acre spot of swamp tupelo.

Stand Recommendations

Due to the small size of this tract and the standing water year round , I would consider leaveing this as wetland.

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.

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Plan Map



Lawrence Cty BOE
S16 T8N R21W Wanilla (southern partial)
2012 to 2021
174.02 Acres





Legend 16-8-21

Property

Property (1)

Category 1: Stands

Reproduction (1)

Sawtimber (2)

Pulpwood (1)

Boundary Lines

Property (1)

MFC Basemap

County Boundary

County Boundary (1)

Quadrangle Grid

USGS Quad (2)

PLS Townships

PLS Townships (1)

Survey Districts

District 4 (1)

District 5 (1)

Blockgroup (Census 2000)

Blockgroup (Census 2000) (2)

Block (Census 2000)

Block (Census 2000) (3)

Tract/BNA (Census 2000)

Tract/BNA (Census 2000) (2)

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)

Major River

Major River (1)

Perennial Streams

Perennial 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

jena-mantachie-kirkville (1)

Surface Geology

PASCAGOULA/HATTIESBURG (1)

MFC Districts

MFC Districts (1)

MFC Dispatch Units

MFC Dispatch Units (1)

MS Outline

MS Outline (1)

Stand Activity Summary for
Lawrence Board of Education
16 8N 21W

Filters Applied: County: Lawrence
 Client Class: School Trust Land
 District: Southwest District
 Client: Lawrence Board of Educat
 STR: 16 8N 21W
 Activity:
 Year: 2012 Through 2021

STR	Strata	Stand	Activity	Acre	Est. Cost	Est. Revenue
2012						
16 8N 21W	0	2	Site Preparation, Chemical, Broadcast, Aerial, Woody	139	\$10,425.00	\$0.00
16 8N 21W	0	2	Regeneration, Artificial, Plant, Hand, Misc Hardwood	75	\$9,375.00	\$0.00
Yearly Totals				214	\$19,800.00	\$0.00
Grand Totals				214	\$19,800.00	\$0.00