



Vision • Commitment • Pride

FOREST STEWARDSHIP MANAGEMENT PLAN

Prepared For:
Jefferson County Schools

Prepared By:
J. Ted Ratcliff
Miss. Forestry Comm.

Time Period Covered by This Plan:
2012 - 2021

Date Plan Prepared:
2012-01-04

Plan Type:
Stewardship / Stewardship

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

Property Name: 51-9N-1W

TABLE OF CONTENTS

LANDOWNER INFORMATION	3
FORESTER INFORMATION	3
INTRODUCTION	3
OBJECTIVES	3
PROPERTY DESCRIPTION	4
GENERAL PROPERTY RECOMMENDATIONS	5
SOIL TYPES	7
STANDS	8
DISCLAIMER	10
PLAN MAP	11
PLAN MAP	12
STAND ACTIVITY SCHEDULE	13

**MISSISSIPPI FORESTRY COMMISSION
FOREST STEWARDSHIP MANAGEMENT PLAN**

LANDOWNER INFORMATION

Organization: Jefferson County Schools
Name: Jefferson County Schools
Mailing Address: P.O. Box 157
City, State, Zip: Fayette, MS 39069
Country: United States of America
Contact Numbers: Home Number:
Office Number: 601-786-3791
Fax Number:
E-mail Address:
Social Security Number (optional): 640000000

FORESTER INFORMATION

Name: J. Ted Ratcliff, Service Forester
Forester Number: 00717
Organization: Miss. Forestry Comm.
Street Address: P. O. Box 452
City, State, Zip: Meadville, MS 39653
Contact Numbers: Office Number: 601-754-9111
Fax Number: 601-384-2437
E-mail Address: ratcliff@mfc.state.ms.us

PROPERTY LOCATION

County: Jefferson Total Acres: 256 Latitude: -91.19 Longitude: 31.73
Section: 51 Township: 9N Range: 1W

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.

**MISSISSIPPI FORESTRY COMMISSION
FOREST STEWARDSHIP MANAGEMENT PLAN**

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 located in the western portion of the county about six miles west of Fayette. Tenner Road runs through the southern tip of the section. Approximately 254 acres are forested, of the 256 total acres.

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.

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.

**MISSISSIPPI FORESTRY COMMISSION
FOREST STEWARDSHIP MANAGEMENT PLAN**

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: Memphis.

Archeological or 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:

No Archeological or Cultural Resources Were Identified during the reconnaissance of the property. However, if Archeological or Cultural Resources are discovered anytime on the property special management measures will be applied immediately to preserve these sensitive areas.

GENERAL PROPERTY RECOMMENDATIONS

Forest Protection

A healthy and 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

MISSISSIPPI FORESTRY COMMISSION FOREST STEWARDSHIP MANAGEMENT PLAN

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.

**MISSISSIPPI FORESTRY COMMISSION
FOREST STEWARDSHIP MANAGEMENT PLAN**

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 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

Memphis

The Memphis component makes up 72 percent of the map unit. Slopes are 17 to 40 percent. The parent material consists of loess. 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 23 percent of the map unit. Slopes are 15 to 50 percent. The parent material consists of loess. 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 low. 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.

**MISSISSIPPI FORESTRY COMMISSION
FOREST STEWARDSHIP MANAGEMENT PLAN**

STANDS

STRATA 2 (Stands 5 and 7)

Stand Description

This stand consist of aproximately 33 acres of mixed hardwood and pine varying from pre-merchantable to sawtimber in class.

Stand Recommendations

This stand will be managed as a mixed stand, with harvest leaning to a natural hardwood regeneration.

Activity Recommendations

Harvest

This area is planned to be thinned in 2018. This will be a thinning from underneath, favoring red oak. Some scattered mature pine and hardwood will be removed.

STRATA 3 (Stand 4)

Stand Description

This stand consist of aproximately 61 acres of mixed hardwood and scattered pine varying from pulpwood to sawtimber in class.

Stand Recommendations

This stand will be managed as a mixed stand, with harvest leaning to a natural hardwood regeneration.

Activity Recommendations

Harvest

This area is planned to be thinned in 2018. This will be a thinning from underneath, favoring red oak. Some scattered mature pine and hardwood will be removed.

STRATA 4 (Stand 8)

Stand Description

This stand consist of aproximately 32 acres of mixed hardwood and pine varying from pre-merchantable to sawtimber in class.

Stand Recommendations

This stand will be managed as a mixed stand, upon final harvest it will be converted to Loblolly pine.

**MISSISSIPPI FORESTRY COMMISSION
FOREST STEWARDSHIP MANAGEMENT PLAN**

Activity Recommendations

Harvest

This area is planned to be thinned in 2016. This will be a thinning from underneath, favoring red oak. Some scattered mature pine and hardwood will be removed.

STRATA 5 (Stands 9 and 11)

Stand Description

This stand consist of aproximately 92 acres of mixed hardwood and scattered pine varying from pre-merchantable to sawtimber in product class.

Stand Recommendations

This stand will be managed as a mixed stand, with harvest leaning to natural hardwood regeneration.

Activity Recommendations

Harvest

This area is planned to be thinned in 2016. This will be a thinning from underneath, favoring red oak. Some scattered mature pine and hardwood will be removed.

STRATA 6 (Stands 1 and 3)

Stand Description

This stand consist of aproximately 32 acres of mixed hardwood and pine varying from pre-merchantable to sawtimber in class.

Stand Recommendations

This stand will be managed as a mixed stand, with harvest leaning to a natural hardwood regeneration.

Activity Recommendations

Harvest

This area is planned to be thinned in 2018. This will be a thinning from underneath, favoring red oak. Some scattered mature pine and hardwood will be removed.

STRATA 8 (Stand 6)

**MISSISSIPPI FORESTRY COMMISSION
FOREST STEWARDSHIP MANAGEMENT PLAN**

Stand Description

This stand consist of approximately 2 acres in a Streamside Management Zone. Timber is predominately hardwood ranging from sawtimber size to premerchantable. The basal area is approximately 60 square feet.

Strata Recommendations

Since this strata will be managed as a permanent SMZ, only selective cutting will occur in these areas. Selective cutting will occur as adjoining sales are performed. The harvesting will focus on removing the mature timber and will not remove more than 50 percent of the existing stand.

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.



JEFFERSON COUNTY SCHOOLS

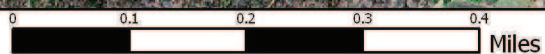
TENNER ROAD Sect.51-T9N-R1W

2012 to 2021

255.65 Acres



(12/27/2011)



LEGEND



Property



Property

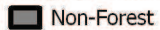
Category 1: Stands



Category 2: Stands

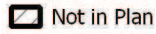


Category 3: Non-Forest Stands



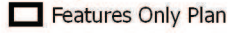
Non-Forest

Category 4: Not in Plan Stands



Not in Plan

Category 5: Features Only Plan Stand



Features Only Plan

Property Roads/Trails



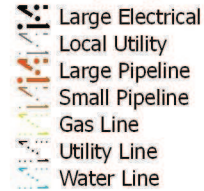
Boundary Lines



Boundary Lines (cont)



Utilities (Lines)



Stand Activity Schedule for
Jefferson County Schools
51 9N 1W

Strata	Stand	Activity	Acre	Est. Cost	Est. Revenue
2016					
4	8	Harvest, Mechanical, Thin, Machine, Misc Hardwood	32	\$1,120.00	\$16,431.36
5	9	Harvest, Mechanical, Thin, Machine, Misc Hardwood	11	\$385.00	\$4,275.26
5	11	Harvest, Mechanical, Thin, Machine, Misc Hardwood	81	\$2,835.00	\$38,466.90
Yearly Totals			124	\$4,340.00	\$59,173.52
2018					
2	5	Harvest, Mechanical, Thin, Machine, Misc Hardwood	8	\$280.00	\$4,004.96
2	7	Harvest, Mechanical, Thin, Machine, Misc Hardwood	25	\$875.00	\$13,480.00
3	4	Harvest, Mechanical, Thin, Machine, Misc Hardwood	61	\$2,135.00	\$32,891.20
6	1	Harvest, Mechanical, Thin, Machine, Misc Hardwood	31	\$1,085.00	\$16,316.54
6	3	Harvest, Mechanical, Thin, Machine, Misc Hardwood	1	\$35.00	\$526.34
Yearly Totals			126	\$4,410.00	\$67,219.04
Grand Totals			250	\$8,750.00	\$126,392.56