



Vision • Commitment • Pride

FOREST STEWARDSHIP MANAGEMENT PLAN

Prepared For:
North Bolivar School District

Prepared By:
Cheryl Arnold
Ms. Forestry Commission

Time Period Covered by This Plan:
2012 - 2021

Date Plan Prepared:
2012-02-15

Plan Type:
Stewardship / Stewardship

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

Property Name: S16-T25N-R5W

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
PLAN MAP	9
PLAN MAP	10
STAND ACTIVITY SCHEDULE	11

**MISSISSIPPI FORESTRY COMMISSION
FOREST STEWARDSHIP MANAGEMENT PLAN**

LANDOWNER INFORMATION

Name: North Bolivar School District
Mailing Address: Box 28
City, State, Zip: Shelby, MS 38774
Country: United States of America
Contact Numbers: Home Number:
Office Number: 662-398-7832
Fax Number: 662-398-7884
E-mail Address: rhumphrey@nbsd.K12.ms.us
Social Security Number (optional):

FORESTER INFORMATION

Name: Cheryl Arnold , Service Forester
Forester Number: 01662
Organization: Ms. Forestry Commission
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148 N. Edison St.
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Fax Number:
E-mail Address: carnold@mfc.state.ms.us

PROPERTY LOCATION

County: Bolivar Total Acres: 639 Latitude: -90.72 Longitude: 34.04
Section: 16 Township: 25N Range: 5W

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.

**MISSISSIPPI FORESTRY COMMISSION
FOREST STEWARDSHIP MANAGEMENT PLAN**

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 located in the Northeast corner of Bolivar County approximately one mile east of Duncan, MS on McMurchy Road. Also, Wolflee Road runs north and south through the center of the section. There are two small drainage ditches in the southeast corner and northeast corner but they do not connect. The section contains approximately 556.57 acres of open agricultural land and 82.66 acres of forest land.

Water Resources

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. There are two small drainages on the section. Turn Bayou is located in the southeastern corner. In the northeastern corner, there is an offshoot from Howden lake that drains into the section. Neither hold water year round.

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. The Mississippi Forestry Commission will continue to look for endangered or threatened plant and animal species, and will adjust the management strategy if any are ever located to protect the species.

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

**MISSISSIPPI FORESTRY COMMISSION
FOREST STEWARDSHIP MANAGEMENT PLAN**

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: Dowling Clay (Dc).

Archeological and Cultural Resources

No archeological or cultural resources were identified during a reconnaissance of the property. However, if any should be discovered at anytime on the property, special management measures will be applied immediately in order to preserve these sensitive areas. These areas can include churches, old cemetaries, indian mounds, old home sites or other areas of historical importance.

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 for establishment and maintenance of firebreaks may be found in Mississippi Forestry Commission publication #107, *Mississippi's Best Management Practices*.

**MISSISSIPPI FORESTRY COMMISSION
FOREST STEWARDSHIP MANAGEMENT PLAN**

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

Soil Descriptions

Dowling Clay is a dark colored, poorly drained soil consisting of firm clay throughout. It occupies depressions or abandoned channels of streams, and is usually found in association with other soils. After each rain, it receives water from the surrounding slopes. It remains wet longer than most other soils. The native vegetation was bottomland hardwoods and Cypress trees.

STANDS

Stratum 2

Stand Description

Stratum 2 contains stand 6 with 11.45 acres. It is a submerchantable stand with Sugarberry, Elm, Green Ash, and Pecan. It appears to be a stand that sits on uncultivable farm land that has been growing for several years now.

Stand Recommendations

The Mississippi Forestry Commission Recommends that this stand continue to grow as is. It will be monitored on a yearly basis for health and growing issues.

Stratum 1

This stratum occupies stand 1 with 32.82 acres, stand 2 with 13.2 acres, stand 3 with 1.31 acres, stand 4 with 15.26 acres, stand 8 with 7.84 acres, and stand 9 with 0.78 acres for a total of 71.21 acres of forest land. This stratum is approximately 62 years old. It has about 124 basal area per square feet and about 183 trees per acre. The stand contains about 55 tons of pulpwood per acre and 34 tons of sawtimber per acre. Species include Green Ash, Bitter Pecan, Sugarberry, Elm, and a variety of Oak species.

**MISSISSIPPI FORESTRY COMMISSION
FOREST STEWARDSHIP MANAGEMENT PLAN**

Stand Description

This stratum contains Stand#4 which has 32.82 acres, Stand#6 which has 32.2 acres, Stand #8 which has 1.31 acres, Stand #11 which has 15.26 acres, and Stand#19 which has 7.84 acres. The forested areas on this section are fragmented. Dominant species include Elm, Green Ash, Sugarberry, Bitter Pecan, and Willow Oak. Stands are of average quality.

Stand Recommendations

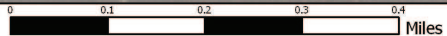
These stands will be monitored for fire, insect, and disease control during the life of the plan. The stand should continue to growth to increase volume.



16-25-5
North Bolivar School District
2012 to 2021
639.23 Acres



(01/24/2012)





16-25-5 North Bolivar School District

Property

Property (1)

Category 1: Stands

Sawtimber (6)

Sub-Merchantable (1)

Category 3: Non-Forest Stands

Non-Forest (2)

MFC Basemap

County Boundary

County Boundary (1)

Quadrangle Grid

USGS Quad (1)

PLS Townships

PLS Townships (1)

Survey Districts

District 2 (1)

Blockgroup (Census 2000)

Blockgroup (Census 2000) (1)

Block (Census 2000)

Block (Census 2000) (2)

Tract/BNA (Census 2000)

Tract/BNA (Census 2000) (1)

County Roads

County Roads (1)

School Sections

School Sections (1)

Public School Districts

NORTH BOLIVAR SCHOOL DISTRICT (1)

US Congressional District

US Cong Dist #2 (1)

MS Senate

12 (1)

MS House

30 (1)

Intermittent Streams

Intermittent Streams (5)

Hydrologic Units (Basins)

BOGUE PHALIA RIVER (1)

Historic Forest Boundary

Bottomland Hardwood (Oak-Gum-Cottonwood-Cypress) (1)

MS Forest Habitat

YAZOO BASIN WETLANDS (1)

Physiographic Region

Delta (1)

Soil Associations

alligator-sharkey-forestdale (1)

Surface Geology

ALLUVIUM (1)

MFC Districts

MFC Districts (1)

MFC Dispatch Units

MFC Dispatch Units (1)

MS Outline

MS Outline (1)

Stand Activity Schedule for
North Bolivar School District
16 25N 5W

Strata	Stand	Activity	Acre	Est. Cost	Est. Revenue
			0	\$0.00	\$0.00
Grand Totals			0	\$0.00	\$0.00