



Vision • Commitment • Pride

FOREST STEWARDSHIP MANAGEMENT PLAN

Prepared For:
Benoit 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: S8-T20N-R10W

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	10
PLAN MAP	11
STAND ACTIVITY SCHEDULE	12

**MISSISSIPPI FORESTRY COMMISSION
FOREST STEWARDSHIP MANAGEMENT PLAN**

LANDOWNER INFORMATION

Name: Benoit School District
Mailing Address: Box 189
City, State, Zip: Benoit, MS 38725
Country: United States of America
Contact Numbers: Home Number:
Office Number: 662-742-3287
Fax Number: 662-742-3149
E-mail Address: bculley@benoit.k12.ms.us
Social Security Number (optional):

FORESTER INFORMATION

Name: Cheryl Arnold , Service Forester
Forester Number: 01662
Organization: Ms. Forestry Commission
Street Address: P.O. Box 1646
148 N. Edison St.
City, State, Zip: Greenville, MS 38702
Contact Numbers: Office Number: 662-332-3358
Fax Number:
E-mail Address: carnold@mfc.state.ms.us

PROPERTY LOCATION

County: Bolivar Total Acres: 336 Latitude: -91.2 Longitude: 33.53
Section: 8 Township: 20N Range: 10W

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 Southwest corner of Bolivar County. It is on the west side of the Mississippi River Levee inside Black Bayou Hunting Club. The only access is through a card locked gate. Black Bayou hunting club maintains a hunting lease on this section from the Benoit School District. This stand is bordered by the Mississippi River on the west end, and is subject to the rise and fall of the Mississippi River. It contains approximately 294.06 acres of forest land and 41.75 acres of non forest land. The non forest land includes mostly drainages and sloughs and small open areas where the soil is very sandy.

Water Resources

The Mississippi River borders this section on the west side. Whiskey chute runs north and south through the section splitting it into two parts. In the southeast corner, Black Bayou Drainage ditch runs through the section and empties into Whiskey Chute. Both are large bodies of water that will be managed according to Mississippi's Best Management Practices handbook.

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. However, it should be noted that the Black Bear has been seen in the area surrounding the section. If any threatened or endangered species should be found on the section, the management plan would be altered to protect the plant or animal species.

**MISSISSIPPI FORESTRY COMMISSION
FOREST STEWARDSHIP MANAGEMENT PLAN**

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: Alluvial Soils.

Archeological and Cultural Resources

No archeological or cultural resources were found during a reconnaissance of the property. However, if any should be found in the future, special management measures would be taken immediately to preserve these sensitive areas. These areas can include churches, old cemeteries, indian mounds, old home sites, and 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

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.

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.

**MISSISSIPPI FORESTRY COMMISSION
FOREST STEWARDSHIP MANAGEMENT PLAN**

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

Soil Descriptions

The Alluvial Soils Association lies between the Mississippi River and the main levee. The areas are frequently flooded. Most of this association is forested. There are a few cultivated areas. The soil is constantly changing because of the rise of the river, but tends to be very sandy in places.

STANDS

Stand Sawtimber (S#1)

Stand Description

This 171.55 acre stand is located on the east side of Whiskey Chute. Black Bayou Drainage ditch runs through the bottom southeaster corner. It is approximately 69 years old and carries a basal area of 80 square feet per acre with 79 trees per acre. The section averages about 44 tons of pulpwood and 36 tons of sawtimber per acre. The dominant species in the stand include Sycamore, Ash, Elm, and Sweetgum.

Stand Recommendations

The Mississippi Forestry Commission recommends that this 171.55 acre stand be harvested in the year 2012. It is possible that the acreage will be reduced to approximately half, but will depend on the sale cruise results. Also, since this section is inside a private hunting club and behind locked gates, it would be better to minimize the number of cuts on the section. We also recommend that artificial regeneration will occur the following year in 2013.

Activity Recommendations

The Mississippi Forestry Commission recommends harvesting this stand in the year 2012. It will be replanted the following year in 2013 with Oak seedlings at a rate of 302

**MISSISSIPPI FORESTRY COMMISSION
FOREST STEWARDSHIP MANAGEMENT PLAN**

trees per acre on a 12x12 foot spacing. By planting Oak, we hope to improve the quality of the future stand.

Stand Sawtimber (S#3)

Stand Description

This 101.18 acre stand is located on the west side of Whiskey Chute, which essentially cuts the section in half. Black Bayou Drainage ditch drains into Whiskey Chute. It is approximately 69 years old and carries a basal area of 80 square feet per acre with 79 trees per acre. The section averages about 44 tons of pulpwood and 36 tons of sawtimber per acre. The dominant species in the stand include Sycamore, Ash, Elm, and Sweetgum.

Stand Recommendations

The Mississippi Forestry recommends that this stand be looked at for harvesting in the year 2018. Artificial regeneration should occur in the following year in 2019 at a rate of at least 302 Oak seedlings per acre on a 12x12 foot spacing. We hope to help reestablish a quality stand by planting Oak in the future.

Stand Sawtimber (S#5)

Stand Description

This 19.61 acre stand is located on the west side of Whiskey Chute, which essentially cuts the section in half. Black Bayou Drainage ditch drains into Whiskey Chute. It is approximately 69 years old and carries a basal area of 80 square feet per acre with 79 trees per acre. The section averages about 44 tons of pulpwood and 36 tons of sawtimber per acre. The dominant species in the stand include Sycamore, Ash, Elm, and Sweetgum.

Stand Recommendations

This stand will be monitored by the Mississippi Forestry Commission for fire, disease, and insect problems during the next 10 years.

Stand Sawtimber (S#7)

Stand Description

This 1.72 acre stand is located in the bottom southeast corner of the section. It is cutoff from the rest of the section by Black Bayou Drainage Ditch. It is approximately 69 years old and carries a basal area of 80 square feet per acre with 79 trees per acre. The section averages about 44 tons of pulpwood and 36 tons of sawtimber per acre. The dominant species in the stand include Sycamore, Ash, Elm, and Sweetgum.

Stand Recommendations

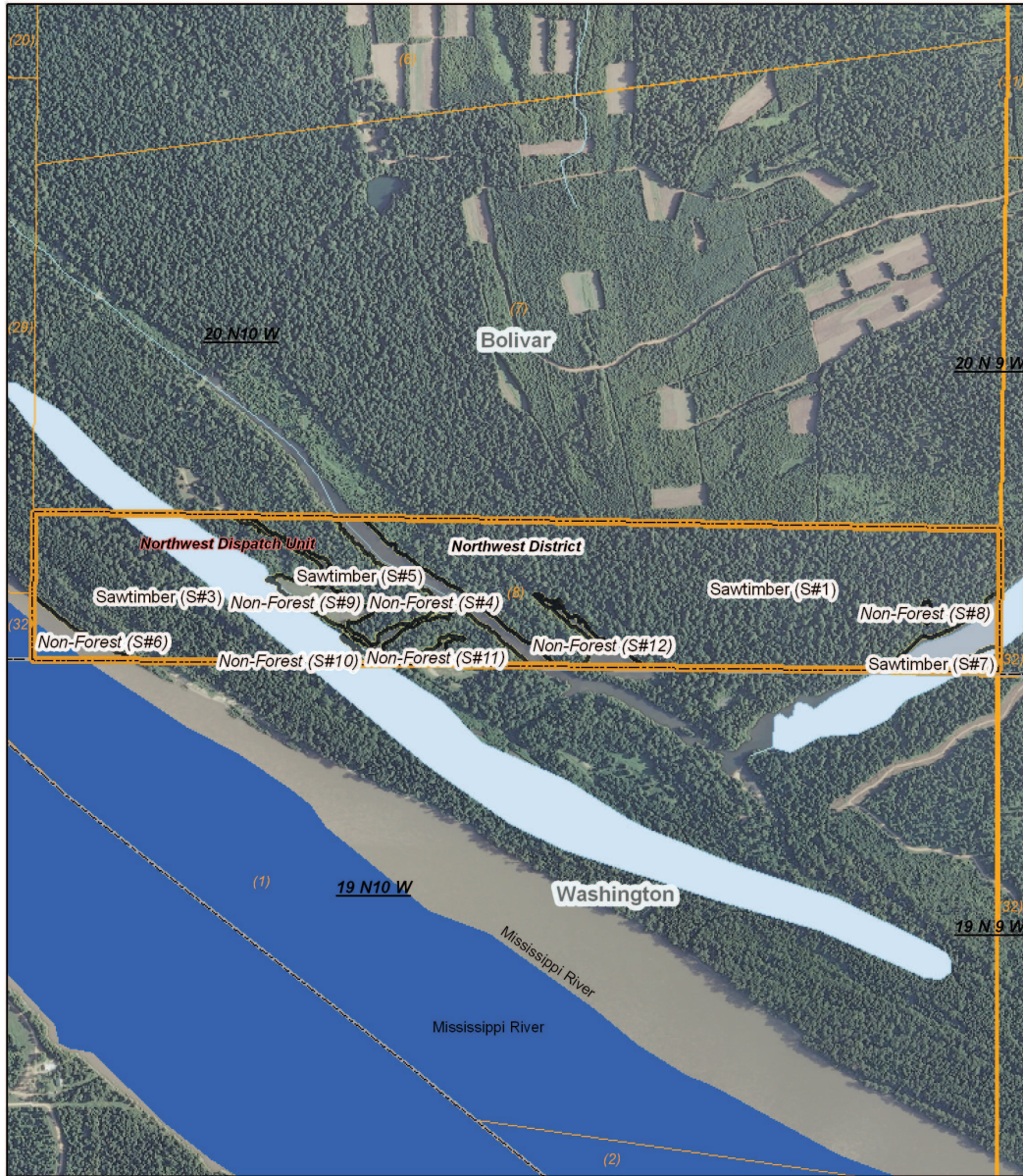
Since this stand is not accessible through the section, the Mississippi Forestry Commission recommends that it continue to grow for wildlife management purposes. It will be monitored for insects, disease, and fire by the Mississippi Forestry Commission during the next 10 years.

**MISSISSIPPI FORESTRY COMMISSION
FOREST STEWARDSHIP MANAGEMENT PLAN**

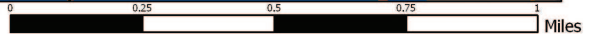
8-20-10



8-20-10
Benoit School District
2012 to 2021
335.82 Acres



(01/24/2012)





8-20-10 Benoit School District

Property

Property (1)

Category 1: Stands

Sawtimber (4)

Category 3: Non-Forest Stands

Non-Forest (8)

MFC Basemap

County Boundary

County Boundary (2)

Quadrangle Grid

USGS Quad (2)

PLS Townships

PLS Townships (4)

Survey Districts

District 2 (2)

Blockgroup (Census 2000)

Blockgroup (Census 2000) (2)

Block (Census 2000)

Block (Census 2000) (5)

Tract/BNA (Census 2000)

Tract/BNA (Census 2000) (2)

School Sections

School Sections (1)

Public School Districts

WESTERN LINE SCHOOL DISTRICT (2)
 BOLIVAR CON SCHOOL DISTRICT #2 (1)

US Congressional District

US Cong Dist #2 (2)

MS Senate

12 (2)

MS House

50 (1)
 29 (1)

Mississippi River

Mississippi River (3)

Major River

Major River (3)

Perennial Streams

Perennial Streams (2)

Intermittent Streams

Intermittent Streams (1)

Hydrologic Units (Basins)

MS RIVER ABOVE VICKSBURG (2)

Water Bodies

Water Bodies (2)

Historic Forest Boundary

Bottomland Hardwood (Oak-Gum-Cottonwood-Cypress) (2)

MS Forest Habitat

YAZOO BASIN DRYLANDS (1)

Physiographic Region

Delta (2)

Soil Associations

water (2)
 commerce-robinsonville-crevasse (1)

Surface Geology

ALLUVIUM (2)

MFC Districts

MFC Districts (1)

MFC Dispatch Units

MFC Dispatch Units (1)

MS Outline

MS Outline (1)

Stand Activity Schedule for
 Benoit School District
 8 20N 10W

Strata	Stand	Activity	Acre	Est. Cost	Est. Revenue	
2012						
1	1	Harvest, Mechanical, Final, Machine, Misc Hardwood	172	\$6,880.00	\$130,720.00	
			Yearly Totals	172	\$6,880.00	\$130,720.00
			Grand Totals	172	\$6,880.00	\$130,720.00