



Vision • Commitment • Pride

FOREST STEWARDSHIP MANAGEMENT PLAN

Prepared For:
Humphreys County Schools

Prepared By:
Wesley James Howard
MS Forestry Commission

Time Period Covered by This Plan:
2012 - 2021

Date Plan Prepared:
2012-02-13

Plan Type:
Stewardship / Stewardship

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

Property Name: S16-T17N-R3W

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LANDOWNER INFORMATION

Name: Humphreys County Schools
Mailing Address: 401 4th st
City, State, Zip: Belzoni, MS 39038
Country: United States of America
Contact Numbers: Home Number:
Office Number: 662-247-6000
Fax Number: 662-247-6004

E-mail Address:
Social Security Number (optional):

FORESTER INFORMATION

Name: Wesley James Howard , Service Forester
Forester Number: 02521
Organization: MS Forestry Commission
Street Address: 9600 Hwy 17
City, State, Zip: Carrollton, MS 38917
Contact Numbers: Office Number: 662-237-6732
Fax Number:
E-mail Address: whoward@mfc.state.ms.us

PROPERTY LOCATION

County: Humphreys Total Acres: 630 Latitude: -90.51 Longitude: 33.32
Section: 16 Township: 17N Range: 3W

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.

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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

Section16_T17N_R3W is +/- 630 acres of agriculture fields, Brown Bayou, and bottomland hardwood reproduction. The reproduction consists of 77 acres. Dominate species nuttall oak, green ash, hickory, and elm. The section is located approximately 4 miles West of Inverness, Mississippi. County road 26 runs on the North boundary of the section. The North boundary line is the Humphreys County and Sunflower County boundary. Property's topography is low, but the section is well drained.

Water Resources

Brown Bayou resides in the central area of the section. Brown Bayou runs from the North boundary line to the West side of the section. A Stream Side Management Zone has been permanently left around Brown Bayou. The section drains into the Yazoo River watershed. Mississippi's Best Management Practices will be followed at all times during any management activities.

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 this property.

If any threatened and /or endangered species are discovered, immediate management procedures will be applied to protect these sensitive natural resources for future generations.

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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. Mississippi Best Management Practices will be implemented to prevent any adverse effects.

Archeological and Cultural Resources

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

GENERAL PROPERTY RECOMMENDATIONS

Forest Protection

A vigorous growing stand is the best defense to an attack from a variety of forest insects, plants and pathogens.

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.

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:

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- 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.

Water Quality Protection

The objective of the landowner is to protect, conserve, and enhance all water resources and drainages on or transecting the property. This objective can be met by implementing Mississippi's Best Management Practices in all aspects of management practices.

Protection for water resources must be given in order to maintain the water quality. This protection will be done by the use of stream side management zones (SMZ's) as well as following all Mississippi Best Management Practices.

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.

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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, "etc".

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

The Humphreys County School Board leases out 66 acres of forested land with an annual income of \$3,002.

SOIL TYPES

Ag

The Alligator component makes up 90 percent of the map unit. Slopes are 0 to 2 percent. This component is on backswamps. The parent material consists of clayey alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches is moderate. Shrink-swell potential is very high. This soil is rarely flooded. It is not ponded. A seasonal zone of water saturation is at 12 inches during January, February, March, April, December. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 3e. This soil meets hydric criteria.

Fm

The Forestdale component makes up 90 percent of the map unit. Slopes are 0 to 2 percent. This component is on natural levees. The parent material consists of clayey alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches is high. Shrink-swell potential is moderate. This soil is rarely flooded. It is not ponded. A seasonal zone of water saturation is at 15 inches during January, February, March, April. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 3w. This soil meets hydric criteria.

Da

The Dowling component makes up 90 percent of the map unit. Slopes are 0 to 2 percent. This component is on depressions. The parent material consists of clayey alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is very poorly

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drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches is moderate. Shrink-swell potential is very high. This soil is rarely flooded. It is not ponded. A seasonal zone of water saturation is at 12 inches during January, February, March, April, December. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 3e. This soil meets hydric criteria.

STRATA

Strata 1

Strata Description

This 77 acre strata is made up of stands 1 and 2. Stands are fully stocked bottomland hardwood mixed reproduction forest. This strata was approximately established in 2011. Stand 1 was harvested in 2009 and due to logging operations shutting down stand 2 was harvested in 2010. Stands 1 and 2 were replanted in February of 2011. Stands were planted with 60% nuttall oak, 20% willow oak, and 20% swamp chestnut. Seedlings were planted at a rate of 436 trees per acre at a spacing of 12' X 12'. A tree survival count was conducted in December of 2011. The stands have an average of 358 trees per acre natural regeneration and planted. The stands had a 43 percent survival of planted seedlings.

Strata Recommendations

Stands 1 and 2 will be evaluated during the 10 year time frame of the plan to ensure that adequate stocking has survived. Stands will be managed on a 65 - 80 year rotation age. Stands 1 and 2 will provide new sources of food and cover for native wildlife species.

Strata Activities

During the time frame of the plan monitoring will be conducted periodically to ensure the stands are in good vigor condition and no major transformations have occurred that could alter the goal of reaching highest growth and yield values.

Strata 2 (Non-Forest)

Strata Description

This 552 acre strata consists of stand 3. Stand 3 consists of agricultural land and Brown Bayou The Humphreys County School board leases the agricultural land for production.

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Strata Recommendations

The agriculture property is leased out by the HumphreysCounty School board. The agriculture lease provides an annual income of \$53,000. The agriculture lease provides the highest and best use for this stand. A Stream Side Management Zone has been permanently left around Brown Bayou. This SMZ will ensure that water quality protection is at the highest level surrounding the Brown Bayou. This SMZ zone will also provide a travel corridor for native wildlife species between stands on the property.

Strata Acvtivities

During the time frame of the plan monitoring will be conducted periodically to insure no damaging activities are occurring that could impact other stands on the section. No activities are planned for the time period of the plan.

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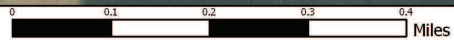


Section16-T17N-R3W

Humphreys County, Mississippi
2012 to 2021
630.44 Acres



(12/22/2011)





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Property

Property (1)

Category 1: Stands

Reproduction (2)

Category 3: Non-Forest Stands

Non-Forest (1)

MFC Basemap

County Boundary

County Boundary (2)

Quadrangle Grid

USGS Quad (2)

PLS Townships

PLS Townships (2)

Survey Districts

District 2 (2)

Blockgroup (Census 2000)

Blockgroup (Census 2000) (2)

Block (Census 2000)

Block (Census 2000) (4)

Tract/BNA (Census 2000)

Tract/BNA (Census 2000) (2)

County Roads

County Roads (8)

School Sections

School Sections (1)

Public School Districts

HUMPHREYS COUNTY SCHOOL DIST (2)
 SUNFLOWER COUNTY SCHOOL DIST (1)

US Congressional District

US Cong Dist #2 (2)

MS Senate

13 (2)

MS House

34 (1)
 31 (1)

Intermittent Streams

Intermittent Streams (14)

Hydrologic Units (Basins)

UPPER YAZOO RIVER (2)
 BOGUE PHALIA RIVER (2)

Historic Forest Boundary

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

MS Forest Habitat

YAZOO BASIN DRYLANDS (2)

Physiographic Region

Delta (2)

Soil Associations

alligator-sharkey-forestdale (2)

Surface Geology

ALLUVIUM (3)

MFC Districts

MFC Districts (1)

MFC Dispatch Units

MFC Dispatch Units (1)

MS Outline

MS Outline (1)

Stand Activity Schedule for
Humphreys County Schools
16 17N 3W

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