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FOREST STEWARDSHIP MANAGEMENT PLAN

Prepared For:
West 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: S6-T22N-R9W

MISSISSIPPI FOREST STEWARDSHIP PROGRAM

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LANDOWNER INFORMATION

Name:	West Bolivar School District	
Mailing Address:	P.O. Box 189	
City, State, Zip:	Rosedale, MS 38769	
Country:	United States of America	
Contact Numbers:	Home Number:	
	Office Number:	662-759-3525
	Fax Number:	662-759-6795
E-mail Address:	hphillips@mde.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:	513	Latitude:	-91.12	Longitude:	33.74
Section:	6	Township:	22N	Range:	9W		

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 located within the Marigold Hunting Club beside Indian Point. The Mississippi River borders it on the west. It is approximately 8 miles west of Lobdell in Bolivar county. It is surrounded by private land on all sides except the west (Mississippi River) and the only access is through the hunting club or by way of the Mississippi River. This section contains 241.83 acres of submerchantable timber, 197.88 acres of sawtimber, and 73.61 acres of water and sandbars. This section is affected by the rise and fall of the Mississippi River.

Water Resources

The Mississippi River borders this section on the west side. However, intermittent streams and drains identified will be managed in accordance with Mississippi's Best Management Practices. It has a large impact on this section as it rises and falls every year.

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. If any threatened or endangered species should be found on the property, special management strategies will be implemented to provide for the protection of the species and its habitat.

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: Alluvium.

Archeological and Cultural Resources
No archeological or cultural resources were found during a reconnaissance of the property. However, if archeological or cultural resources are discovered anytime on the property, special management measures will be implemented to preserve these sensitive areas immediately. These areas can include churches, cemetaries, old home sites, indian mounds, and historical places of interest.

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.*

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 be 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

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 Description
The major soil component is the Alluvium soil. These soils lie between the Mississippi river and the main levee. The areas are frequently flooded. Most of the soil association is forest land. The soil is constantly changing because of flooding by the river. These soils are similar to the the Commerce and Robinsonville series.

STANDS

Stand Sub-Merchantable (#1)
Stand Description
This stand contains 241.83 acres and is approximately 12 years old. It has a basal area of 35 square feet per acre and has about 63 trees per acre. Dominant species include Sugarberry, Elm, Green Ash, Sweetgum, Cottonwood and a few species of oaks. This stand is located in the southern part of the section fartherest from the river.

Stand Recommendations
The Mississippi Forestry Commission will monitor this stand for insect, disease, fire, and other health issues over the life of this plan. This stand should continue to grow.

Stand Sawtimber (#3)
Stand Description
Stand number 3 contains 5.3 acres and is situated between the Mississippi River and a chute formed by the river which holds water year round. Its not accessible except by boat. It is 61 years old. Using data from the sawtimber section next to it, it has about 8 tons of pulpwood per acre and 55 tons of sawtimber per acre. It carries a basal area of 111 square feet per acre and about 95 trees per acre. Species include Green Ash, Elm, Sugarberry, Sweetgum, cottonwood and various species of oak.

Stand Recommendations

We recommend that this small stand continue to grow for the next 10 years. The Mississippi Forestry Commission will monitor it for insect, disease, and fire activity during this 10 year period.

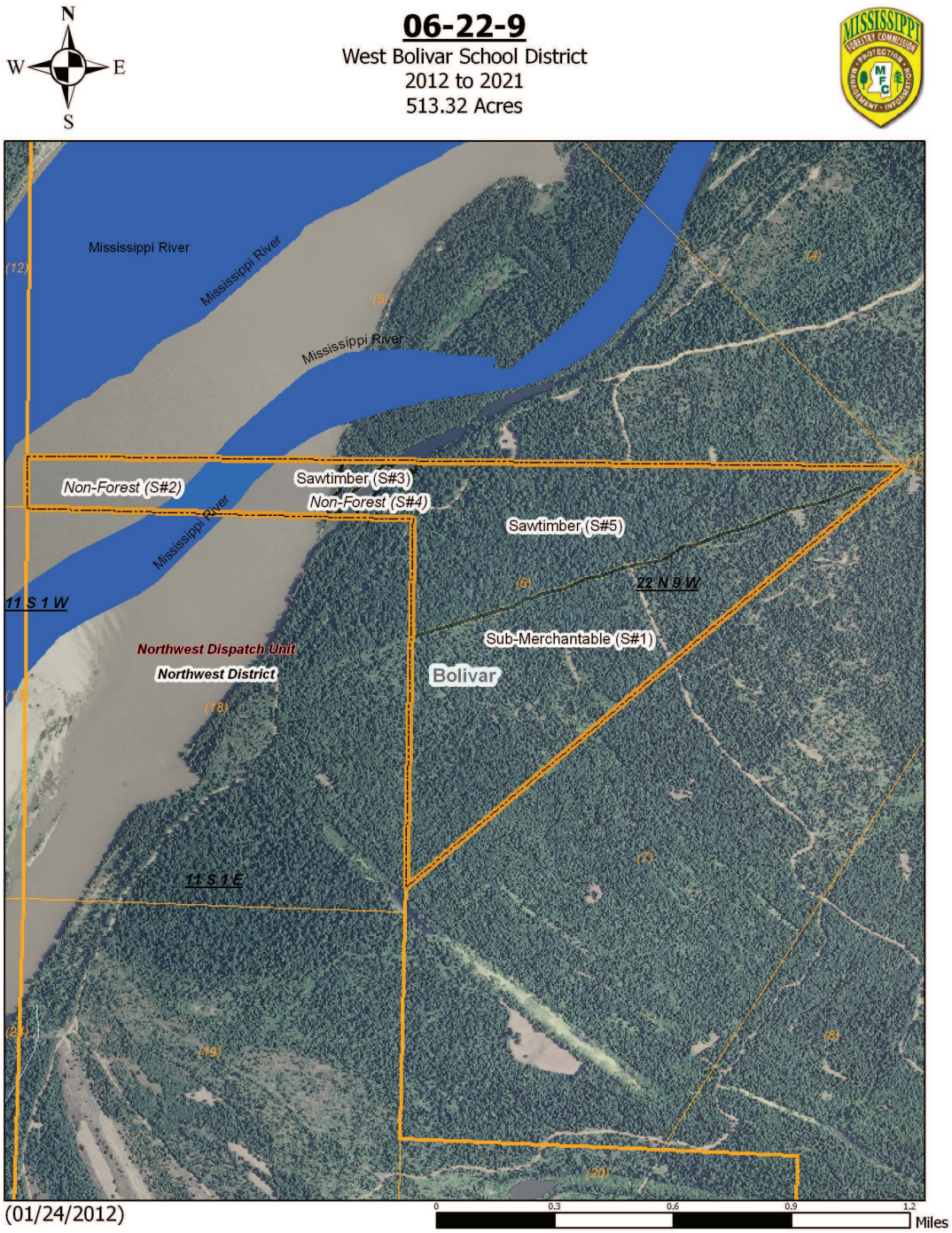
Stand Sawtimber (#5)

Stand Description

This is a 192.58 acre stand that is about 61 years old. It has a basal area of 111 square feet per acre and has 95 trees per acre. The stand carries about 8 tons of pulpwood per acre and 55 tons of sawtimber per acre. Species include Sweetgum, Cottonwood, Elm, Ash, Sugarberry, and some Oaks. This stand is in the northern part of the section and is closest to the river.

Stand Recommendations

We recommend that this stand continue to grow for the next 10 years. The Mississippi Forestry Commission will monitor it for insect, disease, and fire activity during this 10 year period.


N
W
E
S
06-22-9
West Bolivar School District
2012 to 2021
513.32 Acres
Mississippi River
Mississippi River
Mississippi River
Mississippi River
Non-Forest (S#2)
Sawtimber (S#3)
Non-Forest (S#4)
Sawtimber (S#5)
22 N 9 W
11 S 1 W
Sub-Merchantable (S#1)
Northwest Dispatch Unit
Northwest District
Bolivar
11 S 1 E
(12)
(5)
(4)
(1)
(6)
(7)
(8)
(9)
(20)
0
0.3
0.6
0.9
1.2
Miles

(01/24/2012)

S6-T22N-R9W West Bolivar School District

Property
- Property (1)

Category 1: Stands
- Sub-Merchantable (1)
- Sawtimber (2)

Category 3: Non-Forest Stands
- Non-Forest (2)

MFC Basemap

County Boundary
- County Boundary (1)

Quadrangle Grid
- USGS Quad (4)

PLS Townships
- PLS Townships (3)

Survey Districts
- District 2 (1)

Blockgroup (Census 2000)
- Blockgroup (Census 2000) (1)

Block (Census 2000)
- Block (Census 2000) (7)

Tract/BNA (Census 2000)
- Tract/BNA (Census 2000) (1)

School Sections
- School Sections (1)

Public School Districts
- BOLIVAR CON SCHOOL DISTRICT #2 (1)

Public School Districts (cont)
- WEST BOLIVAR SCHOOL DISTRICT (1)

US Congressional District
- US Cong Dist #2 (1)

MS Senate
- 12 (1)

MS House
- 29 (1)

Mississippi River
- Mississippi River (1)

Major River
- Major River (4)

Perennial Streams
- Perennial Streams (1)

Hydrologic Units (Basins)
- MS RIVER ABOVE VICKSBURG (1)

Historic Forest Boundary
- Bottomland Hardwood (Oak-Gum-Cottonwood-Cypress) (1)

MS Forest Habitat
- YAZOO BASIN WETLANDS (1)

Physiographic Region
- Delta (1)

Soil Associations
- water (1)
- commerce-robinsonville-crevasse (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
West Bolivar School District
6 22N 9W

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