



Vision • Commitment • Pride

FOREST STEWARDSHIP MANAGEMENT PLAN

Prepared For:
Hancock Cty BOE

Prepared By:
Buddy J Cuevas
Ms Forestry Commission

Time Period Covered by This Plan:
2011 - 2021

Date Plan Prepared:
2012-02-27

Plan Type:
Stewardship / Stewardship

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

Property Name: 16-5-15

TABLE OF CONTENTS

LANDOWNER INFORMATION	3
FORESTER INFORMATION	3
DISCLAIMER	3
INTRODUCTION	3
OBJECTIVES	4
PROPERTY DESCRIPTION	4
GENERAL PROPERTY RECOMMENDATIONS	5
STANDS	7
PLAN MAP	8
STAND ACTIVITY SCHEDULE	9

**MISSISSIPPI FORESTRY COMMISSION
FOREST STEWARDSHIP MANAGEMENT PLAN**

LANDOWNER INFORMATION

Name: Hancock Cty BOE
Mailing Address: 17304
Hwy 603
City, State, Zip: Kiln, MS 39556
Country: United States of America
Contact Numbers: Home Number:
Office Number: 228-255-4885
Fax Number:
E-mail Address: JPenton@hancock.k12.ms.us
Social Security Number (optional):

FORESTER INFORMATION

Name: Buddy J Cuevas , Forestry Technician
Forester Number: 00000
Organization: Ms Forestry Commission
Street Address: P.O.BOX 219
City, State, Zip: Kiln, MS 39556
Contact Numbers: Office Number: 228-255-4885
Fax Number:
E-mail Address:

PROPERTY LOCATION

County: Hancock Total Acres: 642 Latitude: -89.5 Longitude: 30.61
Section: 16 Township: 5S Range: 15W

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 composed of natural longleaf and slash sawtimber approximately 46 years old on average. There are also several perennial drains on this section with mixed slash and hardwood timber in the chip and saw size class.

Leetown Road runs along the west side of this property, as well as several improved woods interior. A pipeline also runs through this section, which results in 28 acres of this section being classified as non-forest.

Water Resources

Perennial water resources were identified during a reconnaissance of the property. Perennial, 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**

Archeological/Cultural Resources

No archeological or cultural resources were identified during reconnaissance of this property.

GENERAL PROPERTY RECOMMENDATIONS

Forest Protection

A healthy 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

Boundary lines are scheduled to be maintained on this section in 2017.

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

**MISSISSIPPI FORESTRY COMMISSION
FOREST STEWARDSHIP MANAGEMENT PLAN**

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 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.

**MISSISSIPPI FORESTRY COMMISSION
FOREST STEWARDSHIP MANAGEMENT PLAN**

STANDS

Strata 1 (Stand 1, 2, 4, 6, and 8)

Stand Description

This strata is composed of 494 acres of mature longleaf and slash sawtimber. The current basal area is 50 on average with an average age of 46 years old. The longleaf is located on the slightly higher elevated ridges with the slash occurring on the terraces along the poorer drained soils. Limited natural regeneration is occurring within this strata with the exception of stands 4 and 8.

Stand Recommendations

This strata will be managed in such a way as to promote natural longleaf regeneration. The current longleaf on site is of sufficient size and age as to produce adequate seedfall for natural regeneration.

A series of prescribed burns are scheduled for this strata in 2014, 2017 and 2017. These prescribed burns coupled with current stocking and size of the sawtimber on site will naturally regenerate stands 1, 2, and 6 (347 acres). Following the establishment of natural pine regeneration in this stands, they will be scheduled for final harvest during the first three years of the next management period.

Stands 4 and 8 (146 acres) are currently experiencing a higher level of natural regeneration and are scheduled to be harvested in 2018. The sale contract will be structured so as to protect the natural regeneration in place within these stands.

Strata 2 (Stands 5, 7, and 9)

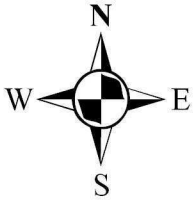
Stand Description

This strata is composed of 120 acres of mixed hardwood timber in the chip and saw size class. This strata is located in and along the poorly drained perennial streams of this section. The basal area of 60 for pines and 39 for hardwood. The age of this timber is currently 25 years old.

This strata will be managed as a streamside management zone (SMZ) in accordance with Mississippi's Best Management Practices (BMP).

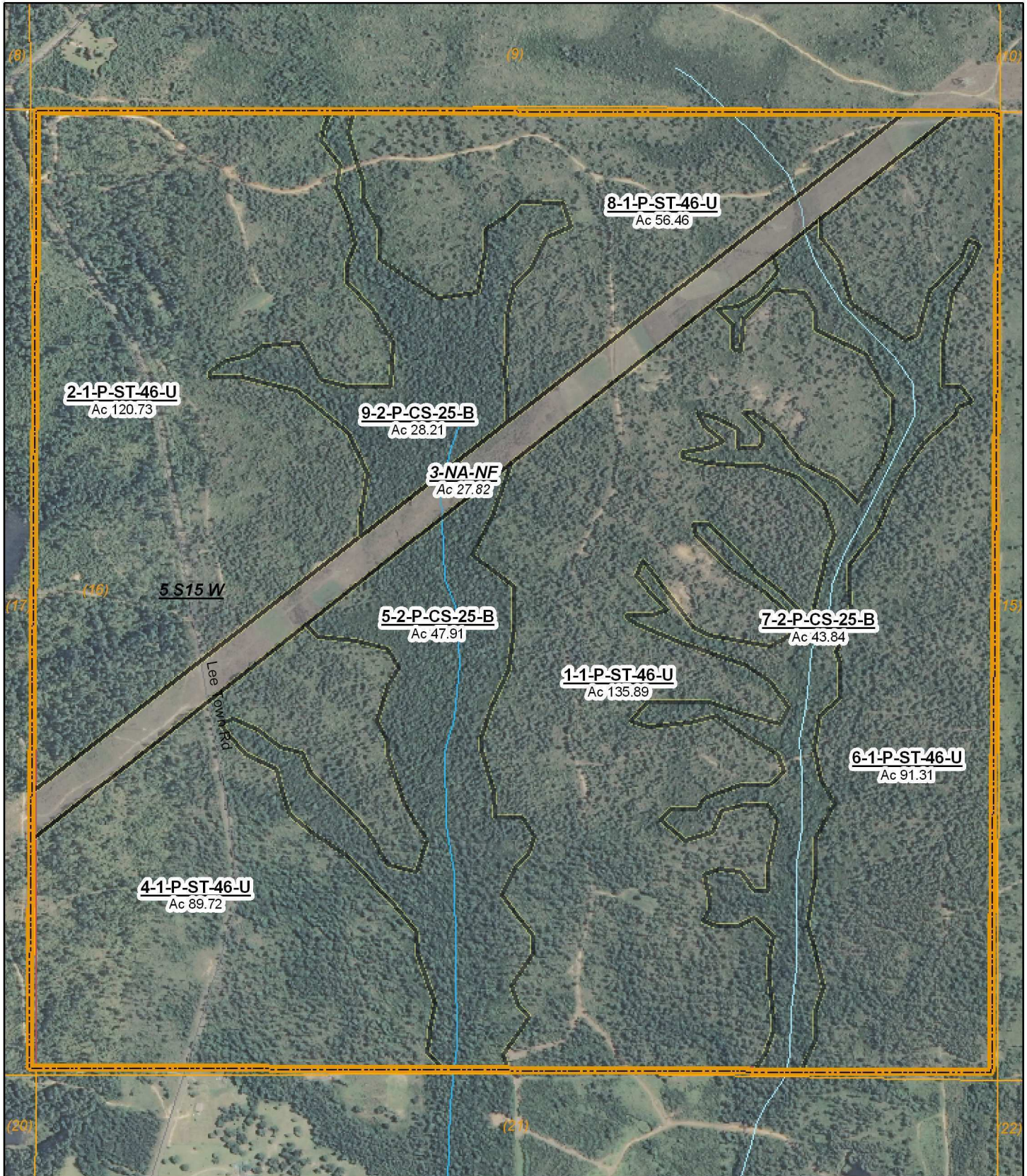
Stand Recommendations

This strata will not be scheduled for any activities in an effort to support and enhance water quality and will be managed at all times in accordance with Mississippi's Best Management Practices. However, during extremely dry periods, this strata maybe scheduled for a harvest in conjunction with harvests occurring in adjacent strata.

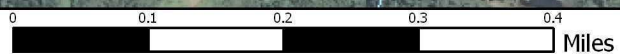


HANCOCK COUNTY SCHOOL DISTRICT

Section 16, Township 05S, Range 15W
2012 to 2021
640 Acres



(11/28/2012)



Stand Activity Schedule for
Hancock Cty BOE
16 5S 15W

Strata	Stand	Activity	Acre	Est. Cost	Est. Revenue
2014					
1	1	Fire Protection, Other, Burn, Hand, Fuel Reduction	136	\$3,397.25	\$0.00
1	2	Fire Protection, Other, Burn, Hand, Fuel Reduction	121	\$3,018.25	\$0.00
1	4	Fire Protection, Other, Burn, Hand, Fuel Reduction	90	\$2,243.00	\$0.00
1	6	Fire Protection, Other, Burn, Hand, Fuel Reduction	91	\$2,282.75	\$0.00
1	8	Fire Protection, Other, Burn, Hand, Fuel Reduction	56	\$1,411.50	\$0.00
Yearly Totals			494	\$12,352.75	\$0.00
2017					
1	1	Fire Protection, Other, Burn, Hand, Fuel Reduction	136	\$3,397.25	\$0.00
1	2	Fire Protection, Other, Burn, Hand, Fuel Reduction	121	\$3,018.25	\$0.00
1	4	Fire Protection, Other, Burn, Hand, Fuel Reduction	90	\$2,243.00	\$0.00
1	6	Fire Protection, Other, Burn, Hand, Fuel Reduction	91	\$2,282.75	\$0.00
1	8	Fire Protection, Other, Burn, Hand, Fuel Reduction	56	\$1,411.50	\$0.00
Yearly Totals			494	\$12,352.75	\$0.00
2018					
1	4	Harvest, Mechanical, Final, Machine, Misc Pine	90	\$3,150.00	\$52,306.20
1	8	Harvest, Mechanical, Final, Machine, Misc Pine	56	\$1,960.00	\$34,958.00
Yearly Totals			146	\$5,110.00	\$87,264.20
2021					
1	1	Fire Protection, Other, Burn, Hand, Fuel Reduction	136	\$3,397.25	\$0.00
1	2	Fire Protection, Other, Burn, Hand, Fuel Reduction	121	\$3,018.25	\$0.00

Strata	Stand	Activity	Acre	Est. Cost	Est. Revenue	
1	4	Fire Protection, Other, Burn, Hand, Fuel Reduction	90	\$2,243.00	\$0.00	
1	6	Fire Protection, Other, Burn, Hand, Fuel Reduction	91	\$2,282.75	\$0.00	
1	8	Fire Protection, Other, Burn, Hand, Fuel Reduction	56	\$1,411.50	\$0.00	
			Yearly Totals	494	\$12,352.75	\$0.00
			Grand Totals	1.628	\$42,168.25	\$87,264.20