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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: sec. 16 T-7S R-14W

MISSISSIPPI FOREST STEWARDSHIP PROGRAM

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**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: 641 Latitude: -89.4 Longitude: 30.44
Section: 16 Township: 7S Range: 14W

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

This section is composed of 98 acres of chip and saw size timber. There are 421 acres of harvest planted slash pine plantation along with 85 acres of stream side management zones on this section.

Old Joe Moran Road crosses the northwest corner of the section, and Road 528 provides access from the southeast corner.

The section has 34 acres classified as non-forest. These are composed of the aforementioned roads, a powerline and a creek.

Water Resources

A perennial water resources was identified during a reconnaissance of the property. Perennial, and 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

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other impacts. In addition, practices carried out should have positive effects on the surrounding community such as improved wildlife habitat and soil stabilization.

Archeological/Cultural Resources

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

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 2013 and 2018.

Note: Some forest practices may cause temporary adverse environmental or aesthetic impacts. These practices will only cause short-term adverse impacts where they are

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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 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

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property should be conducted and a plan developed to accomplish your specific goals for recreational activities on your property.

STRATA

Strata 1 (Stands 2, 4, 6, 8, 11 and 12)

Strata Description

This strata is composed of 421 acres of harvest planted slash pine plantation. The strata was planted in 1995. The basal area is 110 with 555 trees per acre.

Strata Recommendations

This strata is scheduled to receive a prescribed burn in 2015 and 2018.

Stands 2, 4, 8, 11 and 12 (219 acres) are scheduled to receive a first thinning scheduled for 2016. These stands will have their basal area reduced from 110 to approximately 65 basal area. This will be achieved through either a third row or corridor thinning.

Stand 6 does not have any activities scheduled during this management period. Due to the poorly drained soils on a majority of this stand and the stagnation of the slash pine currently on site, the DBH for averages 6 inches. As a result, a final harvest on this stand and reforestation on this stand is not economically feasible at this time. This stand will be scheduled for a final harvest during the next management period when the forestry escrow should be higher. The final harvest in Stand 6 will coincide with the final harvest of the other stands in this strata mentioned above.

In order to site prepare and reforest this strata during the next management period, it may be necessary to place more than usual 15 percent from revenue into the forestry escrow account.

Strata 2 (Stands 9, and 10)

Strata Description

This strata is composed of 98 acres of chip and saw size timber. Stands 9 and 10 are chip and saw stands with 80 basal area planted in 1985. These stands have already received a first thinning and are currently growing well.

Strata Recommendations

Stand 6 does not have any activities scheduled during this management period. Due to the poor growing conditions and the cost of site preparation and replanting following a final harvest, this stand will be held over until sufficient revenue from other harvest activities have increased the forestry escrow to a level where this stand alone will not significantly deplete the account.

Stands 9 and 10 are scheduled to receive a prescribed burn in 2018 when the rest of this section (east of the creek) is burned. These stands will receive a final harvest early in the next management period.

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Strata 3 (Stand 1)

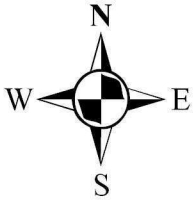
Stand Description

This strata is composed of 85 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. In accordance with Mississippi's Best Management Practices these acres will be managed as a Streamside Management Zone.

Stand Recommendations

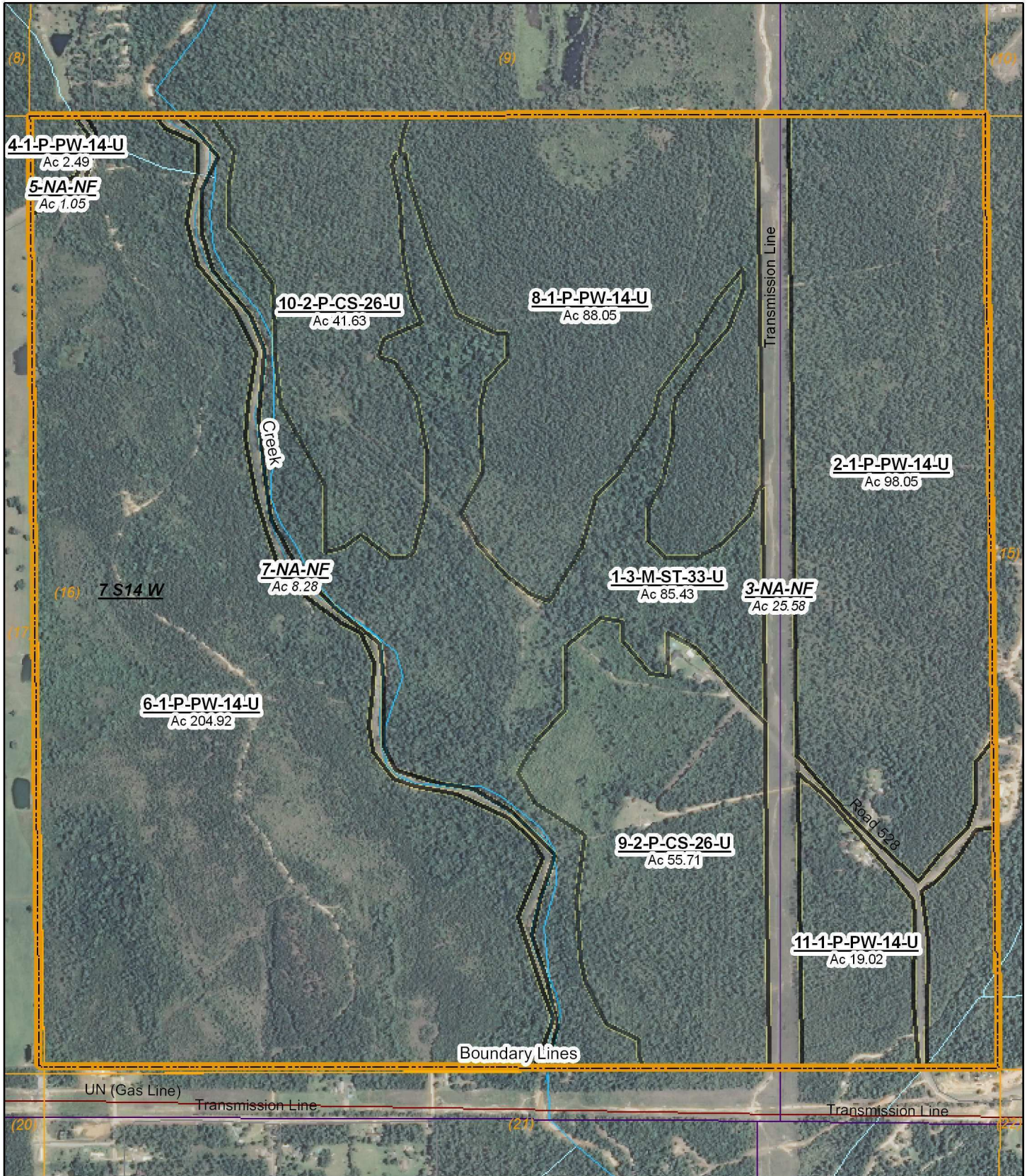
This strata is scheduled for a prescribed burn in 2018, otherwise this strata will be managed in an effort to support and enhance water quality in accordance with Mississippi's Best Management Practices.

This strata maybe scheduled to receive select harvests during extreme drought periods and in conjunction with scheduled harvest activities in other adjacent stands.

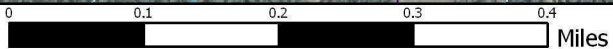


HANCOCK COUNTY SCHOOL DISTRICT

Section 16, Township 07S, Range 14W
2012 to 2021
640 Acres



(11/28/2012)



Stand Activity Schedule for
Hancock Cty BOE
16 7S 14W

Strata	Stand	Activity	Acre	Est. Cost	Est. Revenue
2015					
1	2	Fire Protection, Other, Burn, Hand, Hazard Mitigation	98	\$2,450.00	\$0.00
1	11	Fire Protection, Other, Burn, Hand, Fuel Reduction	19	\$475.00	\$0.00
1	12	Fire Protection, Other, Burn, Hand, Fuel Reduction	11	\$275.00	\$0.00
Yearly Totals			128	\$3,200.00	\$0.00
2016					
1	2	Harvest, Mechanical, 1st Thin, Machine, Loblolly	98	\$3,430.00	\$10,288.04
1	11	Harvest, Mechanical, 1st Thin, Machine, Slash	19	\$665.00	\$1,543.18
1	12	Harvest, Mechanical, 1st Thin, Machine, Slash	11	\$385.00	\$642.95
Yearly Totals			128	\$4,480.00	\$12,474.17
2018					
1	2	Fire Protection, Other, Burn, Hand, Fuel Reduction	98	\$2,450.00	\$0.00
1	8	Fire Protection, Other, Burn, Hand, Fuel Reduction	88	\$2,200.00	\$0.00
1	11	Fire Protection, Other, Burn, Hand, Fuel Reduction	19	\$475.00	\$0.00
1	12	Fire Protection, Other, Burn, Hand, Fuel Reduction	11	\$275.00	\$0.00
2	9	Fire Protection, Other, Burn, Hand, Fuel Reduction	56	\$1,400.00	\$0.00
2	10	Fire Protection, Other, Burn, Hand, Fuel Reduction	42	\$1,050.00	\$0.00
3	1	Fire Protection, Other, Burn, Hand, Fuel Reduction	85	\$2,125.00	\$0.00
Yearly Totals			399	\$9,975.00	\$0.00
Grand Totals			655	\$17,655.00	\$12,474.17