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FOREST STEWARDSHIP MANAGEMENT PLAN

Prepared For:
Perry County Schools

Prepared By:
Brad D Pulliam
MFC

Time Period Covered by This Plan:
2012 - 2021

Date Plan Prepared:
2012-02-21

Plan Type:
Stewardship / Stewardship

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

Property Name: 16-1N-11W

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FOREST STEWARDSHIP MANAGEMENT PLAN**

LANDOWNER INFORMATION

Name: Perry County Schools
Mailing Address: P.O. Box 137
City, State, Zip: New Augusta, MS 39462
Country: United States of America
Contact Numbers: Home Number:
Office Number: 601-964-3211
Fax Number:

E-mail Address:
Social Security Number (optional): 000000000

FORESTER INFORMATION

Name: Brad D Pulliam , Forestry Technician
Forester Number: 00000
Organization: MFC
Street Address: P.O. Box 452
City, State, Zip: Richton, MS 39476
Contact Numbers: Office Number: 601-788-6006
Fax Number: 601-788-6708

E-mail Address: bpulliam@mfc.state.ms.us

PROPERTY LOCATION

County: Perry Total Acres: 650 Latitude: -89.1 Longitude: 31.05
Section: 16 Township: 1N Range: 11W

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 located on Brooklyn-Janice Rd in the Southwest part of the county. It has several different timber types on it making it have many different management options. Also, Black Creek passes through the Southwest corner of the section taking off 2 small parcels that are south of the creek. This section was heavily damaged by Hurricane Katrina with most stands having to be salvaged, and others thinned to remove storm damage.

Water Resources

Black Creek runs through this section on the south end along with many interior drains that pass through and run into the creek. All of these areas have to be treated with utmost care due to the fact of Black Creek being a scenic water way. All should be managed in accordance with the MS BMP guidelines.

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.

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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. The following soils are identified for this property: sandy loam.

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*.

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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.

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

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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.

Archeological or Cultural Resources

These areas can range from churches, old cemeteries, natural springs, Indian mounds to home sites or other area of historical significance.

No resources were identified during a reconnaissance of this property

STRATA

Strata 1

Strata Description

Strata1: Stand 3,6

Acres: 246

This strata is made up of 4 year old loblolly plantation that was machine planted. These stands were planted because of the Hurricane destruction of the existing stands. This will explain there odd shape as we was in a salvage cutting schedule at the time.

Strata Recommendations

This stand should be monitored throughout the life of this plan for the possibility of insect and or disease and also invasive species. Should any of these be found it should be treated as soon as possible to prevent further damage to stand.

Strata 2

Strata Description

Strata 2: Stand 2,4,7,8,1,12,13

Acres: 279

This stand is made up of approximately 23 year old slash plantations, most of which have been thinned since Hurricane Katrina, and some spots was not able to be thinned due to wetness or other obstacles. These stands are moderatly well stocked in most all

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areas with the exception of approximately 30 acres which is a slightly understocked but however still has enough BA and stems per acre to manage and treat as part of this stand.

Strata Recommendations

All these stands are in need of a prescribed burn to help control unwanted brush. These stands are mostly in low wet areas and will not burn, only in an unusual dry type of winter which we have not had. These stands will be monitored and if and when the weather permits will be burned. These stands will also need to be thinned again for the 2nd thinning in 2020. This harvest should target pulpwood and any remaining disease stems within the stand for removal.

Activity Recommendations

Fire Protection

A prescribed burn should be carried out on this property in the late fall or early winter of 2013 and be repeated on a two or three year rotation thereafter. Prescribed fire when used correctly can greatly benefit the health and vigor of a stand. It reduces the undesirable tree species that often crowd out or suppress pines. These unwanted understory trees and shrubs species not only compete for water, nutrients, and growing space, but often contain dead needles and leaves that act as ladder fuels allowing a fire to climb into the overstory crowns. Prescribed fire also reduces the hazardous fuel loads within the stand and prevents damage in the event of a wildfire.

Harvest

2nd Thin

Slash plantation

Thin stand to an average BA of 65 leaving the best quality trees for the final crop.

Strata 3

Strata Description

Strata 3: Stands 5,15,16,17

Acres: 103

This strata consist of several different stands that all act as SMZ areas. Some of these stands are located along the creek banks while others are throughout the section. All of these stands will need to be managed in a way not to have an impact on Black Creek. Each of these stands are made up of low quality hardwood that has more value serving as an SMZ area and protecting the stream banks along Black Creek.

Strata Recommendations

Manage all stands in accordance with the MS BMP manual.

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Activity Recommendations

OTHER PLAN ACTIVITIES

Boundary Lines

Line Description

The lines are painted with orange paint and visible at this time.

Line Recommendations

Maintain on a five year rotation with these needing painting in 2012 and again in 2017.

Activity Recommendations

Property Activities

Routine inspections and general maintenance of the roads, Firelanes, and boundary lines will ensure overall appearance and aesthetics of the property.

Perry County Schools

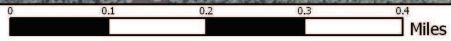


Perry County Schools

Brooklyn-Janice Rd
2012 to 2021
640 Acres



(02/10/2012)



Stand Activity Schedule for
Perry County Schools
16 1N 11W

Strata	Stand	Activity	Acre	Est. Cost	Est. Revenue
2015					
2	2	Fire Protection, Other, Burn, Hand, Hazard Mitigation	90	\$2,243.00	\$0.00
2	4	Fire Protection, Other, Burn, Hand, Hazard Mitigation	105	\$2,625.00	\$0.00
2	7	Fire Protection, Other, Burn, Hand, Fuel Reduction	91	\$2,268.25	\$0.00
2	8	Fire Protection, Other, Burn, Hand, Fuel Reduction	91	\$2,268.25	\$0.00
2	10	Fire Protection, Other, Burn, Hand, Hazard Mitigation	149	\$3,722.75	\$0.00
2	11	Fire Protection, Other, Burn, Hand, Fuel Reduction	91	\$2,268.25	\$0.00
2	12	Fire Protection, Other, Burn, Hand, Fuel Reduction	91	\$2,268.25	\$0.00
2	13	Fire Protection, Other, Burn, Hand, Fuel Reduction	91	\$2,268.25	\$0.00
Yearly Totals			797	\$19,932.00	\$0.00
2020					
2	2	Harvest, Mechanical, 2nd Thin, Machine, Slash	89	\$3,099.60	\$0.00
2	4	Harvest, Mechanical, 2nd Thin, Machine, Slash	99	\$3,474.80	\$0.00
2	7	Harvest, Mechanical, 2nd Thin, Machine, Slash	70	\$2,434.95	\$0.00
2	8	Harvest, Mechanical, 2nd Thin, Machine, Slash	8	\$264.95	\$0.00
2	10	Harvest, Mechanical, 2nd Thin, Machine, Slash	5	\$182.00	\$0.00
2	11	Harvest, Mechanical, 2nd Thin, Machine, Slash	1	\$50.40	\$0.00
2	12	Harvest, Mechanical, 2nd Thin, Machine, Slash	4	\$137.55	\$0.00
2	13	Harvest, Mechanical, 2nd Thin, Machine, Slash	8	\$287.70	\$0.00
Yearly Totals			284	\$9,931.95	\$0.00
Grand Totals			1.081	\$29,863.95	\$0.00