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FOREST STEWARDSHIP MANAGEMENT PLAN

Prepared For:
George County BOE

Prepared By:
Vernon Eugene Cooper
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: S16 T2S R8W

MISSISSIPPI FOREST STEWARDSHIP PROGRAM

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LANDOWNER INFORMATION

Name:	George County BOE	
Mailing Address:	5152	
	Main St.	
City, State, Zip:	Lucedale, MS 39452	
Country:	United States of America	
Contact Numbers:	Home Number:	
	Office Number:	601-947-6993
	Fax Number:	
E-mail Address:		
Social Security Number (optional):		646000379

FORESTER INFORMATION

Name:	Vernon Eugene Cooper , Service Forester	
Forester Number:	00960	
Organization:	MFC	
Street Address:	1165	
	Fig Farm Rd.	
City, State, Zip:	Lucedale, MS 39452	
Contact Numbers:	Office Number:	601-947-4961
	Fax Number:	
E-mail Address:	ecooper@mfc.state.ms.us	

PROPERTY LOCATION

County:	George	Total Acres:	400	Latitude:	-88.8	Longitude:	30.87
Section:	16	Township:	2S	Range:	8W		

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 in the Benedale community adjoining Hwy 26 splits the section almost in half.The section contains 400 acres total. The section is divided into 3 different stands one being a slash pine plantation located on the south side of Hwy. 26. This stand was planted in 1989 containing 152 acres.The plantation on the north side of Hwy 26 is a older plantation that was planted 1984 and being 68 acres in size. There are approximately 70 acres in bottomland primarily drains containing both pine and hardwood with little access except in extreme dry periods.

This section has approximately 103 acres of improved leased property being the Benedale Elementary School, Head Start School, Singing Power sub- station and Riverside Church.There has also being built a Hurricane evacuation center across from the elementary school.

Due to the location of these improvements access from Hwy. 26 is extremely limited. Most of the access is across Plum Creek properties which are to the west and south of the section.

This section contains a total of +/- 400 acres of this +/- 103 acres are non-forested with no management activities currently planned, and +/- 297 acres are in timber production.

Cogan grass will be controlled as necessary on the section with harvest areas being a priority during the life of this plan.

Introduction Text

This section is comprised of both timberland and improved sites. At the present time, the section consists of 98 acs. of leased and improved sites with the reminder of the section being in timber production. The section is divided by Hwy 26 which runs between Lucedale and Wiggins.

Water Resources
No perennial water resources were identified during a reconnaissance of the property. However, intermittent streams and drains identified will be managed in accordance with Mississippi's Best Management Practices.

Archeological and Cultural Resources
Prescribed practices should be carried out in a manner that will minimize adverse impacts on archeological and or cultural resources. All laws, regulations, and guidelines will be followed if such areas are identified, and all management practices will be carried out in a manner to have positive effects on these resources.

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

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.

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:

SOIL TYPES

Benndale
The Benndale component makes up 90 percent of the map unit. Slopes are 0 to 2 percent. This component is on coastal plains. The parent material consists of sandy loam alluvium deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land

capability classification is 2s. This soil does not meet hydric criteria. Loblolly Site Index = 94. Longleaf Site Index = 79. Slash Site Index = 94.

Alaga
The Alaga component makes up 90 percent of the map unit. Slopes are 0 to 5 percent. This component is on coastal plains. The parent material consists of sandy alluvium deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat excessively drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 3s. This soil does not meet hydric criteria. Loblolly Site Index = 80. Longleaf Site Index = 70. Slash Site Index = 80.

Susquehanna
The Susquehanna component makes up 90 percent of the map unit. Slopes are 5 to 12 percent. This component is on coastal plains. The parent material consists of clayey marine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches is high. Shrink-swell potential is high. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 6e. This soil does not meet hydric criteria. Loblolly Site Index = 78.

Dorovan

The Dorovan component makes up 63 percent of the map unit. Slopes are 0 to 1 percent. This component is on depressions. The parent material consists of decomposed organic material. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is very poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is very high. Shrink-swell potential is low. This soil is frequently flooded. It is frequently ponded. A seasonal zone of water saturation is at 0 inches during January, February, March, April, May, June, July, August, September, October, November, December. Organic matter content in the surface horizon is about 50 percent. Nonirrigated land capability classification is 7w. This soil meets hydric criteria. The soil has a slightly sodic horizon within 30 inches of the soil surface. The Johnston component makes up 22 percent of the map unit. Slopes are 0 to 1 percent. This component is on flood plains. The parent material consists of loamy alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is very poorly drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches is high. Shrink-swell potential is low. This soil is frequently flooded. It is frequently ponded. A seasonal zone of water saturation is at 0 inches during January, February, March, April, May, June, November, December. Organic matter content in the surface horizon is about 13 percent. Nonirrigated land capability classification is 7w. This soil meets hydric criteria.

McLaurin

The McLaurin component makes up 90 percent of the map unit. Slopes are 2 to 5 percent. This component is on coastal plains. The parent material consists of loamy fluviomarine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria. Loblolly Site Index = 90. Longleaf Site Index = 72. Slash Site Index = 90.

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

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.

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.

STANDS

6-2-P-PW-23-U Stand acres 11

Stand Description

This stand consists of slash plantation that was planted in the Winter of 1989/90. The topography of the site is low and flat with poor drainage. The site operabilty for the most part is in dry part of the year and inoperable the remainder of the year. Access to the stand is gained through the adjacent property which is owned by Plum Creek Timber Company.

Stand Recommendations

The stand was thinned in 2007/08. The residual basal for the stand is 68 sq. ft. with 170 stems per acre. This stand will be monitored during the duration of this management plan with a 2nd thinning planned in 2021. The ultimate decision to thin this stand will be based on the basal area of stand and growth of the stand in the future.

Activity Recommendations

Harvest

The stand should be thinned in 2021 to reduce the basal area to 60 and leave about 110 trees per acre.

7-5-M-ST-49-B Stand acres 34

Stand Description

This stand is a Smz with a species composition of Slash pine, red maple, black gum, white bay and tupelo gum making up the species composition of the stand. Access to the stand is limited to extreme dry periods any harvesting operatiions in the stand will done in conjuction with harvest on the adjoining stands.

Stand Recommendations

This stand will be harvested has part of other harvesting operations on adjoining stands removing timber that can be removed with minimiun soil and water disturbance. This will mean harvesting all merchantable pine and hardwood but leaving a average basal area of 55 to 65 square feet in the residual stand . All MS. BMP's should be followed has regards to this stand. Wildlife enhancement and protection of the water quaility should be maintained.

8-2-P-PW-23-U Stand acres 13

Stand Description

This stand consists of slash plantation that was planted in the Winter of 1989/90. The topography of the site is low and flat with poor drainage. The site operabilty for the most part is in dry part of the year and inoperable the remainder of the year. Access to the stand is gained through the adjacent property which is owned by Plum Creek Timber Company.

Stand Recommendations

The stand was thinned in 2007/08. The residual basal for the stand is 68 sq. ft. with 170 stems per acre. This stand will be monitored during the duration of this management plan with a 2nd thinning planned in 2021. The ultimate decision to thin this stand will be based on the basal area of stand and growth of the stand in the future.

Activity Recommendations

Harvest

The stand should be thinned in 2021 to reduce the basal area to 60 and leave about 110 trees per acre.

9-2-P-PW-23-U Stand acres 9

Stand Description

This stand consists of slash plantation that was planted in the Winter of 1989/90. The topography of the site is low and flat with poor drainage. The site operabilty for the most part is in dry part of the year and inoperable the remainder of the year. Access to the stand is gained through the adjacent property which is owned by Plum Creek Timber Company.

Stand Recommendations

The stand was thinned in 2007/08. The residual basal for the stand is 68 sq. ft. with 170 stems per acre and average diameter of 8.6 inches. This stand will be monitored during the duration of this management plan with a 2nd thinning planned in 2021. The ultimate decision to thin this stand will be based on the basal area of stand and growth of the stand in the future.

Activity Recommendations

Harvest

The stand should be thinned in 2021 to reduce the basal area to 60 and leave about 110 trees per acre.

10-2-P-PW-23-U Stand acres 17

Stand Description

This stand consists of slash plantation that was planted in the Winter of 1989/90. The topography of the site is low and flat with poor drainage. The site operabilty for the most part is in dry part of the year and inoperable the remainder of the year. Access to the stand is gained through the adjacent property which is owned by Plum Creek Timber Company.

Stand Recommendations

The stand was thinned in 2007/08. The residual basal for the stand is 68 sq. ft. with 170 stems per acre. This stand will be monitored during the duration of this management plan with a 2nd thinning to be done in 2021. The ultimate decision to thin this stand will be based on the basal area of stand and growth of the stand in the future.

Activity Recommendations

Harvest

The stand should be thinned in 2021 to reduce the basal area to 60 and leave about 110 trees per acre.

11-3-P-PW-28-U Stand acres 4

Stand Description

This stand consists of slash plantation that was planted in the Winter of 1984/85. The topography of the site is rolling hills with high clay content making harvesting limited to summer and fall operations. The stand is currently under thinning contract with 8 months left. Access to the stand is gained through the adjacent property which is owned by Plum Creek Timber Company.

Stand Recommendations

The stand was thinned in 2007/08. The residual basal for the stand is 70 sq. ft. with 186 stems per acre. This stand will be monitored during the duration of this management plan with a 2nd thinning to be done in 2021. The ultimate decision to thin this stand will be based on the basal area of stand and growth of the stand in the future.

Activity Recommendations

Harvest

The stand should be thinned in 2021 to reduce the basal area to 60 and leave about 110 trees per acre.

12-2-P-PW-23-U Stand acres 39

Stand Description

This stand consists of slash plantation that was planted in the Winter of 1989/90. The topography of the site is low and flat with poor drainage. The site operabilty for the most part is in dry part of the year and inoperable the remainder of the year. Access to the stand is gained through the adjacent property which is owned by Plum Creek Timber Company.

Stand Recommendations

The stand was thinned in 2007/08. The residual basal for the stand is 70 sq. ft. with 186 stems per acre. This stand will be monitored during the duration of this management plan with a 2nd thinning to be done in 2021. The ultimate decision to thin this stand will be based on the basal area of stand and growth of the stand in the future.

Activity Recommendations

Harvest

The stand should be thinned in 2021 to reduce the basal area to 60 and leave about 110 trees per acre.

13-2-P-PW-23-U Stand acres 17

Stand Description

This stand consists of slash plantation that was planted in the Winter of 1989/90. The topography of the site is low and flat with poor drainage. The site operabilty for the most part is in dry part of the year and inoperable the remainder of the year. Access to the stand is gained through the adjacent property which is owned by Plum Creek Timber Company.

Stand Recommendations

The stand was thinned in 2007/08. The residual basal for the stand is 68 sq. ft. with 170 stems per acre. This stand will be monitored during the duration of this management

plan with a 2nd thinning to be done in 2021. The ultimate decision to thin this stand will be based on the basal area of stand and growth of the stand in the future.

Activity Recommendations

Harvest

The stand should be thinned in 2021 to reduce the basal area to 60 and leave about 110 trees per acre.

14-5-M-ST-49-B Stand acres 17

Stand Description

This stand is a Smz with a species composition of Slash pine, red maple, black gum, white bay and tupelo gum making up the species composition of the stand. Access to the stand is limited to extreme dry periods any harvesting operatiions in the stand will done in conjuction with harvest on the adjoining stands.

Stand Recommendations

This stand will be harvested has part of other harvesting operations on adjoining stands removing timber that can be removed with minimiun soil and water disturbance. This will mean harvesting all merchantable pine and hardwood but leaving a average basal area of 55 to 65 square feet in the residual stand . All MS. BMP's should be followed has regards to this stand. Wildlife enhancement and protection of the water quaility should be maintained.

15-5-M-ST-49-B Stand acres 3

Stand Description

This stand is a Smz with a species composition of Slash pine, red maple, black gum, white bay and tupelo gum making up the species composition of the stand. Access to the stand is limited to extreme dry periods any harvesting operatiions in the stand will done in conjuction with harvest on the adjoining stands.

Stand Recommendations

This stand will be harvested has part of other harvesting operations on adjoining stands removing timber that can be removed with minimiun soil and water disturbance. This will mean harvesting all merchantable pine and hardwood but leaving a average basal area of 55 to 65 square feet in the residual stand . All MS. BMP's should be followed has regards to this stand. Wildlife enhancement and protection of the water quaility should be maintained.

16-2-P-PW-23-U Stand acres 7

Stand Description

This stand consists of slash plantation that was planted in the Winter of 1989/90. The topography of the site is low and flat with poor drainage. The site operabilty for the most

part is in dry part of the year and inoperable the remainder of the year. Access to the stand is gained through the adjacent property which is owned by Plum Creek Timber Company.

Stand Recommendations

The stand was thinned in 2007/08. The residual basal for the stand is 68 sq. ft. with 170 stems per acre. This stand will be monitored during the duration of this management plan with a 2nd thinning to be done in 2021. The ultimate decision to thin this stand will be based on the basal area of stand and growth of the stand in the future.

Activity Recommendations

Harvest

The stand should be thinned in 2021 to reduce the basal area to 60 and leave about 110 trees per acre.

18-3-P-PW-28-U Stand acres 6

Stand Description

This stand consists of slash plantation that was planted in the Winter of 1984/85. The topography of the site is rolling hills with high clay content making harvesting limited to summer and fall operations. The stand was first thinned in 2008 to a basal area of 65 with 200 stems acre.

Access to the stand is gained through the adjacent property which is owned by Plum Creek Timber Company.

Stand Recommendations

The stand was thinned in 2007/08. The residual basal for the stand is 68 sq. ft. with 170 stems per acre. This stand will be monitored during the duration of this management plan with a 2nd thinning to be done in 2021. The ultimate decision to thin this stand will be based on the basal area of stand and growth of the stand in the future.

Activity Recommendations

Harvest

- The stand should be thinned in 2021 to reduce the basal area to 60 and leave about 110 trees per acre.

19-5-M-ST-49-B Stand acres 2

Stand Description

This stand is a Smz with a species composition of Slash pine, red maple, black gum, white bay and tupelo gum making up the species composition of the stand. Access to the

stand is limited to extreme dry periods any harvesting operatiions in the stand will done in conjuction with harvest on the adjoining stands.

Stand Recommendations

This stand will be harvested has part of other harvesting operations on adjoining stands removing timber that can be removed with minimiun soil and water disturbance. This will mean harvesting all merchantable pine and hardwood but leaving a average basal area of 55 to 65 square feet in the residual stand . All MS. BMP's should be followed has regards to this stand. Wildlife enhancement and protection of the water quaility should be maintained.

20-3-P-PW-28-U Stand acres 4

Stand Description

This stand consists of slash plantation that was planted in the Winter of 1984/85. The topography of the site is rolling hills with high clay content making harvesting limited to summer and fall operations. The stand was first thinned in 2008 to a basal area of 65 with 200 stems acre.

Stand Recommendations

The stand was thinned in 2007/08. The residual basal for the stand is 68 sq. ft. with 170 stems per acre. This stand will be monitored during the duration of this management plan with a 2nd thinning to be done in 2021. The ultimate decision to thin this stand will be based on the basal area of stand and growth of the stand in the future.

Activity Recommendations

Harvest

The stand should be thinned in 2021 to reduce the basal area to 60 and leave about 110 trees per acre.

21-5-M-ST-49-B Stand acres 35

Stand Description

This stand is a Smz with a species composition of Slash pine, red maple, black gum, white bay and tupelo gum making up the species composition of the stand. Access to the stand is limited to extreme dry periods any harvesting operatiions in the stand will done in conjuction with harvest on the adjoining stands.

Stand Recommendations

This stand will be harvested has part of other harvesting operations on adjoining stands removing timber that can be removed with minimiun soil and water disturbance. This will mean harvesting all merchantable pine and hardwood but leaving a average basal area of 55 to 65 square feet in the residual stand . All MS. BMP's should be followed has

regards to this stand. Wildlife enhancement and protection of the water quaility should be maintained.

22-4-P-ST-45-U Stand acres 21

Stand Description

This stand is contained to a small ridge located in the northeast portion of the section. This stand was left when the other stands were harvested.

The stand composition is comprised of Loblolly, Shortleaf and mixed hardwoods primarily being sweetgum and southern red oak.This stand is old growth timber is in need to be harvested. Due to the remote location of this stand and difficultly in access there has been limited silvicultural actitivies on the stand. Access is along old wood roads across serveral different property owners.

Stand Recommendations

The stand is recommended to have a final harvest conducted on it in 2020. Once, all of the merchantable timber has been removed the stand needs to have a chemical site preparation, then be burned to remove all debris from the site, and planted with loblolly pine seedlings in 2022.

Activity Recommendations

Harvest

The stand should have a final harvest conducted on it in 2020 and remove all merchantable timber.

Site Preparation

Prior to planting the stand will chemically treated through arieal application of herbicide using a mixture of arsenel, glyphosate, garlon, and Arensal AC for removal of undesirable vegatation and woody stems. The stand then will burned 40-45 days after chemical spray to clear the site of logging slash and improve planting conditions.

Site Preparation

The site will need to burned with a site prep burn following the areial application of herbicides. This will need to be done 4 to 6 weeks after the chemical application. The purpose of this is to remove any fuels and to provide for a clean planting site.

Regeneration

This stand will be planted after site prep operations with 2nd gen loblolly seedlings at a rate of 622 seedlings per acre on a 7 by 10 foot spacing. Following planting the seedlings will be checked for compliance by MFC crews. The following fall survival checks will be done to see if there as been mortaity in the stand. Following the survivial check there are further inspections required to the stand during the life of the plan.

23-6-P-PW-28-U Stand acres 21

Stand Description

This stand consists of slash plantation that was planted in the Winter of 1984/85. The topography of the site is rolling hills with high clay content making harvesting limited to summer and fall operations. The stand was first thinned in 2008 to a basal area of 65 with 200 stems acre.

Access to the stand is gained through the adjacent property which is owned by Plum Creek Timber Company.

Stand Recommendations

The stand was thinned in 2007/08. The residual basal for the stand is 70 sq. ft. with 186 stems per acre. This stand will be monitored during the duration of this management plan with a 2nd thinning to be done in 2021. The ultimate decision to thin this stand will be based on the basal area of stand and growth of the stand in the future.

Activity Recommendations

Harvest

The stand should be thinned in 2021 to reduce the basal area to 60 and leave about 110 trees per acre.

24-3-P-PW-28-U Stand acres 19

Stand Description

This stand consists of slash plantation that was planted in the Winter of 1984/85. The topography of the site is rolling hills with high clay content making harvesting limited to summer and fall operations. The stand was first thinned in 2008 to a basal area of 65 with 200 stems acre.

Access to the stand is gained through the adjacent property which is owned by Plum Creek.

Stand Recommendations

The stand was thinned in 2007/08. The residual basal for the stand is 68 sq. ft. with 170 stems per acre. This stand will be monitored during the duration of this management plan with a 2nd thinning to be done in 2021. The ultimate decision to thin this stand will be based on the basal area of stand and growth of the stand in the future.

Activity Recommendations

Harvest

The stand should be thinned in 2021 to reduce the basal area to 60 and leave about110 trees per acre.

25-5-M-ST-49-B Stand acres 9

Stand Description

This stand is a Smz with a species composition of Slash pine, red maple, black gum, white bay and tupelo gum making up the species composition of the stand. Access to the stand is limited to extreme dry periods any harvesting operatiions in the stand will done in conjuction with harvest on the adjoining stands.

Stand Recommendations

This stand will be harvested has part of other harvesting operations on adjoining stands removing timber that can be removed with minimiun soil and water disturbance. This will mean harvesting all merchantable pine and hardwood but leaving a average basal area of 55 to 65 square feet in the residual stand . All MS. BMP's should be followed has regards to this stand. Wildlife enhancement and protection of the water quaility should be maintained.

26-3-P-PW-28-U Stand acres 24

Stand Description

This stand consists of slash plantation that was planted in the Winter of 1984/85. The topography of the site is rolling hills with high clay content making harvesting limited to summer and fall operations. The stand was first thinned in 2008 to a basal area of 65 with 200 stems acre.

Access to the stand is gained through the adjacent property which is owned by Plum Creek Timber Company.

Stand Recommendations

The stand was thinned in 2007/08. The residual basal for the stand is 68 sq. ft. with 170 stems per acre. This stand will be monitored during the duration of this management plan with a 2nd thinning scheduled in 2021. The ultimate decision to thin this stand will be based on the basal area of stand and growth of the stand in the future.

Activity Recommendations

Harvest

The stand should be thinned in 2021 to reduce the basal area to 60 and leave about 110 trees per acre.

OTHER PLAN ACTIVITIES

Boundary Lines

Line Recommendations

The section's boundary lines were painted in 2011 and are scheduled to be repainted in 2016 and again in 2021.

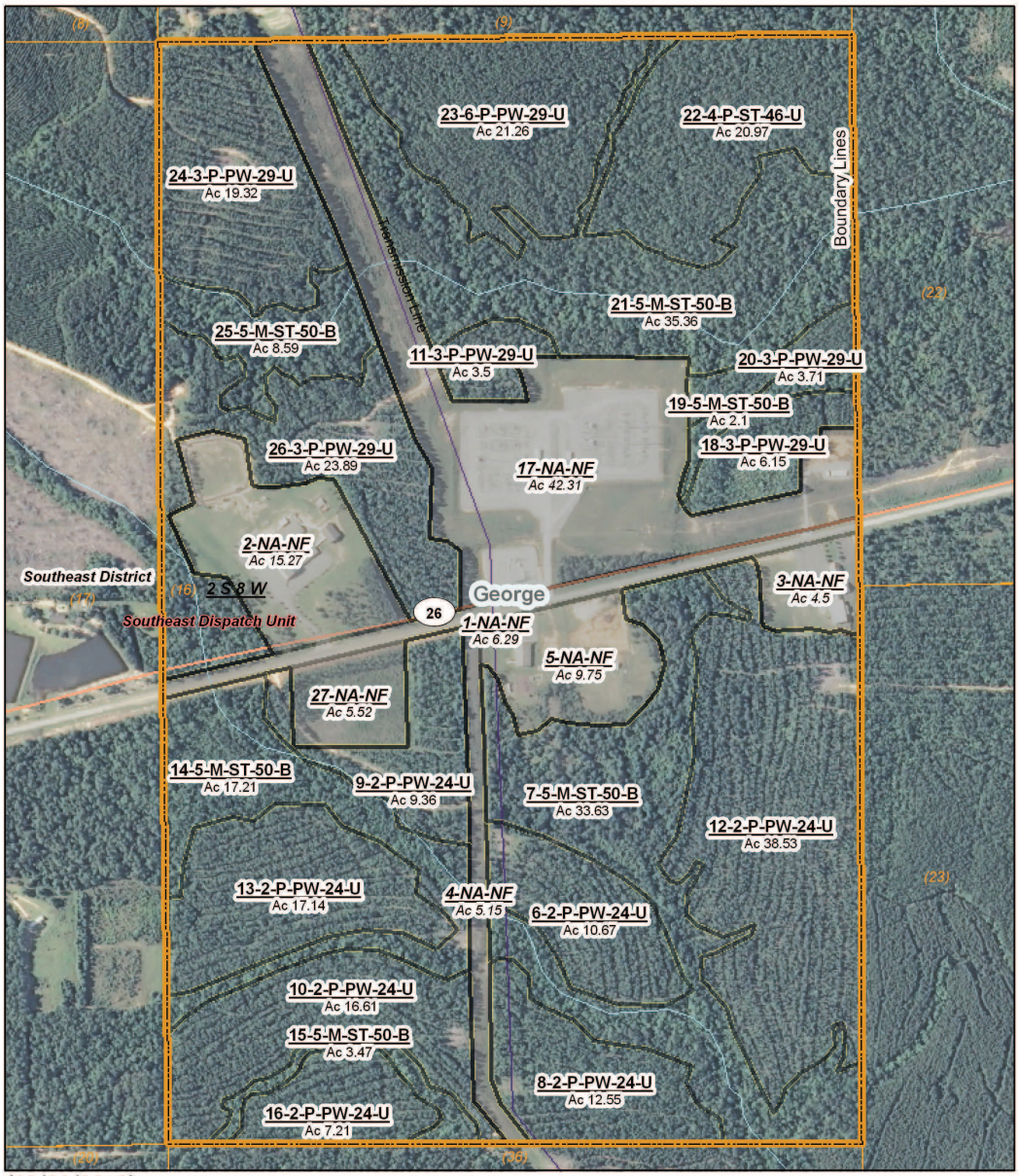
Activity Recommendations

Property Activities

The woods roads will be maintained on a 5 year cycle. Routine inspections and general maintenance of the roads will ensure overall appearance and aesthetics of the property.

Section 16 2 South 8 West

Benedale School
2012 to 2021
400.02 Acres



Legend

Legend

Property
Property (1)

Category 1: Stands
Sawtimber (3)
Reproduction (4)

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

Restricted Sites
Gopher Tortoise (5)

Property Roads/Trails
Logging Road (4)

MFC Basemap

County Boundary
County Boundary (1)

Quadrangle Grid
USGS Quad (2)

PLS Townships
PLS Townships (1)

Survey Districts
District 5 (1)

Blockgroup (Census 2000)
Blockgroup (Census 2000) (2)

Block (Census 2000)
Block (Census 2000) (9)

Tract/BNA (Census 2000)
Tract/BNA (Census 2000) (2)

County Roads
County Roads (4)

Natural Gas Lines
Natural Gas Lines (1)

School Sections
School Sections (1)

Public School Districts
GEORGE COUNTY SCHOOL DISTRICT (1)

US Congressional District
US Cong Dist #4 (1)

MS Senate
43 (1)

MS House
107 (1)

Perennial Streams
Perennial Streams (1)

Intermittent Streams
Intermittent Streams (1)

Hydrologic Units (Basins)
PASCAGOULA RIVER (1)

Historic Forest Boundary
Longleaf Pine with Loblolly Pine-Slash Pine (1)

MS Forest Habitat
SOUTHERN LOAM HILLS-GENTLE TOPOGRAPHY (1)

Physiographic Region
Pine Belt (1)

Soil Associations
mclaurin-savannah-susquehanna (1)
mclaurin-heidel-prentiss (1)

Surface Geology
CITRONELLE (1)

Recreational Facilities
Community Playfield (1)

MFC Districts
MFC Districts (1)

MFC Dispatch Units
MFC Dispatch Units (1)

MS Outline
MS Outline (1)

Stand Activity Schedule for

George County Boe

16 2S 8W

Strata	Stand	Activity	Acre	Est. Cost	Est. Revenue
2020					
2	6	Harvest, Mechanical, 2nd Thin, Machine, Slash	11	$373.45	$5,719.12
2	8	Harvest, Mechanical, 2nd Thin, Machine, Slash	13	$439.25	$6,726.80
2	9	Harvest, Mechanical, 2nd Thin, Machine, Slash	9	$327.60	$5,016.96
2	10	Harvest, Mechanical, 2nd Thin, Machine, Slash	17	$581.35	$8,902.96
2	12	Harvest, Mechanical, 2nd Thin, Machine, Slash	39	$1,348.55	$20,652.08
2	13	Harvest, Mechanical, 2nd Thin, Machine, Slash	17	$599.90	$9,187.04
2	16	Harvest, Mechanical, 2nd Thin, Machine, Slash	7	$245.00	$3,752.00
4	22	Harvest, Mechanical, Final, Machine, Loblolly	21	$735.00	$34,382.25
6	23	Harvest, Mechanical, Final, Machine, Loblolly	21	$735.00	$22,184.40
		Yearly Totals	154	$5,385.10	$116,523.61
2021					
3	11	Harvest, Mechanical, 2nd Thin, Machine, Slash	4	$122.50	$2,628.08
3	18	Harvest, Mechanical, 2nd Thin, Machine, Slash	6	$215.25	$4,617.91
3	20	Harvest, Mechanical, 2nd Thin, Machine, Slash	4	$129.85	$2,785.76
3	24	Harvest, Mechanical, 2nd Thin, Machine, Slash	19	$665.00	$14,266.72
3	26	Harvest, Mechanical, 2nd Thin, Machine, Slash	24	$836.15	$17,938.52
		Yearly Totals	56	$1,968.75	$42,237.00
		Grand Totals	**210**	**$7,353.85**	**$158,760.61**