



Vision • Commitment • Pride

FOREST STEWARDSHIP MANAGEMENT PLAN

Prepared For:
Choctaw BOE

Prepared By:
Bubba Pope
MS Forestry Commission

Time Period Covered by This Plan:
2012 - 2021

Date Plan Prepared:
2012-02-16

Plan Type:
Stewardship / Stewardship

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

Property Name: Greene S16-18N-9E

MISSISSIPPI FOREST STEWARDSHIP PROGRAM

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LANDOWNER INFORMATION

Name: Choctaw BOE
Mailing Address: PO Box 398
City, State, Zip: Ackerman, MS 39735
Country: United States of America
Contact Numbers: Home Number:
Office Number: 662-285-6239
Fax Number:

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

FORESTER INFORMATION

Name: Bubba Pope , Service Forester
Forester Number: 01004
Organization: MS Forestry Commission
Street Address: PO Box 295
City, State, Zip: Ackerman, MS 39735
Contact Numbers: Office Number: 662-285-6728
Fax Number:

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

PROPERTY LOCATION

County: Choctaw Total Acres: 637 Latitude: -89.36 Longitude: 33.42
Section: 16 Township: 18N Range: 9E

DISCLAIMER

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.

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 the 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

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protecting your forest from insects, disease, and wildfire. Recommendations are based on observation and assessment of the site.

OBJECTIVES

Fire Protection

The goal is to protect the resource from wildfires, by establishing and maintaining firebreaks around the property; annually inspect possible signs of insect infestations and disease; and prohibit grazing until terminal bud is beyond reach of livestock.

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.

PROPERTY DESCRIPTION

General Property Information

This section is known as the "Green" section and is located on Jones Rd. The majority of the section is loblolly pine. Green has approximately 620 forested acres of various sized timber. This section has 18 non-forested acres. There are no management activities being recommended during this plan for the non-forested acres.

Water Resources

One significant creek was identified during a reconnaissance of the property. Intermittent streams and drains were also identified and will be managed in accordance with Mississippi's Best Manage 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.

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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:

Archeological or Cultural Resources

Archeological or Cultural Resources

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

A Church located on Southeast corner of the section. This site has been buffered and designated with blue paint on trees around the site. No forest management activities will occur inside of this protected area.

GENERAL PROPERTY RECOMMENDATIONS

Forest Protection

A health 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.

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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 will be maintained by the Mississippi Forestry Commission on a 4 year rotation. All lines will be marked in red or orange paint.

SOIL TYPES

OrC2

The Ora component makes up 90 percent of the map unit. Slopes are 5 to 8 percent. This component is on uplands. The parent material consists of loamy fluviomarine deposits. Depth to a root restrictive layer, fragipan, is 18 to 42 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately 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. A seasonal zone of water saturation is at 30 inches during February, March, April. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria. Loblolly Site Index = 83.

Kk

The Kirkville component makes up 90 percent of the map unit. Slopes are 0 to 2 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 moderately 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 occasionally flooded. It is not ponded. A seasonal zone of water saturation is at 24 inches during January, February, March, April. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria. Loblolly Site Index = 95.

RuC

The Ruston component makes up 95 percent of the map unit. Slopes are 5 to 8 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

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inches. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria. Loblolly Site Index = 84.

CH

The Chenneby component makes up 50 percent of the map unit. Slopes are 0 to 2 percent. This component is on flood plains. The parent material consists of silty alluvium 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 moderately high. Available water to a depth of 60 inches is moderate. Shrink-swell potential is low. This soil is frequently flooded. It is not ponded. A seasonal zone of water saturation is at 21 inches during January, February, March. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 4w. This soil meets hydric criteria. The Arkabutla component makes up 37 percent of the map unit. Slopes are 0 to 2 percent. This component is on flood plains. The parent material consists of silty alluvium 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 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 not ponded. A seasonal zone of water saturation is at 15 inches during January, February, March, April. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 4w. This soil meets hydric criteria.

SR

The Smithdale component makes up 75 percent of the map unit. Slopes are 8 to 35 percent. This component is on hillslopes. 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 high. 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 7e. This soil does not meet hydric criteria. Loblolly Site Index = 80.

SS

The Smithdale component makes up 54 percent of the map unit. Slopes are 8 to 35 percent. This component is on hillslopes. 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 high. 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 7e. This soil does not meet hydric criteria. The Sweatman component makes up 38 percent of the map unit. Slopes are 8 to 35 percent. This component is on uplands. The parent material consists of loamy marine 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 high. Shrink-swell potential is moderate. This soil is not flooded. It is

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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 7e. This soil does not meet hydric criteria.

STRATA

Strata 1

Strata Description

Strata 1 - 204 Acres

Contains stand 13.

This area is 204 acres was hand planted and site prepped in the year 2007 with loblolly pine seedlings.

Strata Recommendations

No activities for this strata at this time.

Strata 3

Strata Description

Strata 3 - 28 Acres

Contains stand 3.

This 28 acres is an old growth hardwood stand with some mixed pines trees. This area is being left to protect Baptisim Branch.

Strata Recommendations

No activities for this strata at this time.

Strata 4

Strata Description

Strata 4 - 140 Acres

Contains stands 4, 5, and 7.

This area is 140 acres that was hand planted with genetically improved North Mississippi loblolly pine seedlings. Numerous wild pines generated in the area, causing it to need to be pre-commercially thinned.

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Strata Recommendations

Recommended that this area be first thinned in the year 2016. The area should be thinned to 80 square feet basal area. This will be achieved by thinning the weaker and diseased trees first to achieve the 80 square feet basal area.

Activity Recommendations

Harvest

Recommended that this area be first thinned in the year 2016. The area should be thinned to 80 square feet basal area. This will be achieved by thinning the weaker and diseased trees first to achieve the 80 square feet basal area.

Strata 6

Strata Description

Strata 6 - 32 Acres

Contains stand 11.

This area is 32 acres that consist of hardwood pulpwood that is being left to protect the water shed on the property.

Strata Recommendations

No activities for this strata at this time.

Strata 12

Strata Description

Strata 12 - 154 Acres

Contains stand 2.

This area contains 154 acres that is pine sawtimber. It had significant torando damage in the spring of 2011.

Strata Recommendations

The area should be looked at for possible final thinning in the year 2015.

Activity Recommendations

Harvest

If prices are suitable, it is recommended that the area have a final harvest in the year 2015.

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Strata 13

Strata Description

Strata 13 - 61 Acres

Contains stands 6, 8, and 9.

This area contains 61 acres that was machine planted in the year 1985 with loblolly pine seedlings. Since that time the area has been thinned once and now contains pulpwood and small sawlogs.

Strata Recommendations

The area should be looked at for a possible second thinning in 2014.

Activity Recommendations

Harvest

The area will be looked at around 2014 for possible need of a second thinning.

OTHER PLAN ACTIVITIES

Boundary Lines

Line Description

The boundary lines are painted every 4 years in either red or orange boundary paint to make sure the property lines are clearly visible.

Line Recommendations

The boundary lines are painted every 4 years in either red or orange boundary paint.

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.

Fire Control

Line Description

These lines are used for easy access and maintained for easy fire control.

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Line Recommendations

Lines should be pushed and maintained every 4 years.

Activity Recommendations

Fire Protection

Due to well kept fire lanes, accessible roads, and good communication with the community makes for easier fire protection.



Green
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2012 to 2021
637



(11/30/2011)

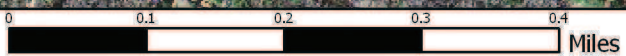




Green
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(11/30/2011)



Green



Property

- Property

Category 1: Stands

- Clear Cut
- Non-Stocked
- Reproduction
- Sub-Merchantable
- Pulpwood
- Chip-n-Saw
- Sawtimber
- Poles

Category 2: Stands

- Clear Cut
- Non-Stocked
- Reproduction
- Sub-Merchantable
- Pulpwood
- Chip-n-Saw
- Sawtimber
- Poles

Category 3: Non-Forest Stands

- Non-Forest

Category 4: Not in Plan Stands

- Not in Plan

Category 5: Features Only Plan Stand

- Features Only Plan

Restricted Sites

- Archeology
- Cemetery
- Red-Cockaded Woodpecker
- Gopher Tortoise
- Picture Bogg Plant

Forest Health (Points)

- Cogan Grass
- Kudzu
- Japanese Climbing Fern
- Chinese Tallow
- Privet
- Southern Pine Beetle
- Sirex Wasp
- IPPS

Hydrology (Points)

- Concrete Dam
- Beaver Dam
- Earthen Dam
- Permanent
- Temporary
- Wooden
- Other
- Culvert
- Pond

Wildlife (Points)

- Food Plot
- Water Hole
- Feeder

Boundary Corners

- Property
- Section
- Quarter Section
- Areas

Structures

- Barn
- Tractor Shed
- Out Building
- Single-Family
- Multi-Family
- Camp House
- Club House
- Office Building
- Manufacturing
- Warehouse
- Chicken House
- Horse Stall
- Milking Parlor
- Hog Pen
- Blind
- Stand
- Hospital
- Nursing Home
- Dr. Clinic
- State Facility
- Office
- Work Center
- Materials Depot
- Prison
- School
- Church
- Mosque
- Synagogue
- Other

Cruise Plots

- Pre-Cruise
- Post-Cruise

Other

- Towers
- Logging Deck
- Locked
- UnLocked
- Water
- Oil
- Natural Gas

Property Roads/Trails

- Drive Ways
- Access Road
- Logging Road
- Skid Trail
- Farm Road
- Hiking Trail
- Horseback Riding Trail

Boundary Lines

- Archeology
- Cemetery
- Drilling Sites
- Education

Boundary Lines (cont)

- Forest Health
- Invasive Species
- Management Compartment
- Military Area
- Natural Area
- Property
- Recreation
- Rights of Way
- SMZ
- Special Use
- Stand
- Surface Mining
- Threatened/Endangered Species
- Visual Buffer

Fire Control

- Temporary Line
- Permanent Fire Break

Wildlife (Lines)

- Green Strip

Fire

- Mitigation Burn
- Silviculture Burn
- Site-Prep Burn
- Wildfire

School Land Lease

- Hunting
- Minerals
- Recreation

Restricted Area

- SMZ
- Archeology
- Cemetery
- Visual Buffer
- Special Use
- Natural Area
- Education
- Recreation
- Military Area
- Large Utility
- Red-Cockaded Woodpecker
- Gopher Tortoise
- Picture Bogg Plant
- Coal
- Gravel
- Dirt
- Water
- Oil
- Natural Gas

Forest Health (Polygons)

- Cogan Grass
- Kudzu
- Japanese Climbing Fern
- Chinese Tallow
- Privet
- Southern Pine Beetle
- Sirex Wasp
- IPPS

School Land Classification

- Forest Land
- Farm/Residential Land
- Residential Land
- Agricultural Land
- Industrial Land
- Recreational Land
- Catfish Farming Land
- Other Land
- Commercial Land

Management Compartment

- Management
- Regeneration
- Site Preparation
- Post Plant
- Site Improvement
- Vegetation Control
- Stand Improvement
- Invasive Species Control
- Harvest
- Fire Protection
- Technical
- Wildlife Management
- Property Activities
- Roads
- SMZ
- Forest Health
- Recreation
- Site Restoration

Transportation (Lines)

- City Streets
- County Roads
- 3 Digit Highway
- Interstate Highway
- US Highway
- State Highway
- Natchez Trace Parkway
- Runways/Airports
- Active RR
- Abandoned RR

Hydrology (Lines)

- Mississippi River
- Major River
- Primary Stream
- Intermittent Stream
- Canal
- Ditch
- Earthen Dam
- Concrete Dam

Utilities (Lines)

- Large Electrical
- Local Utility
- Large Pipeline
- Small Pipeline
- Gas Line
- Utility Line
- Water Line

Activities by Client and FY Report

Filters Applied: County: Choctaw
 Client Class:
 District:
 Client: Choctaw BOE
 STR: 16 18N 9E
 Year: 2012 Through 2021

Client Name	Year	Activity Name	Practice	STR	Est. Acres	Est. Cost	Est. Revenue
Choctaw BOE							
	2014	Harvest					
			2nd Thin				
				16 18N 9E	22.03	\$771.05	\$7,930.80
					22	\$770.00	\$7,920.00
					17	\$595.00	\$6,120.00
				Totals	61.03	\$2,136.05	\$21,970.80
				Totals	61.03	\$2,136.05	\$21,970.80
				Summary for 'Act_Name' = Harvest			
				Totals	61.03	\$2,136.05	\$21,970.80
				Summary for 'PlanYear' = 2014			
				Totals	61.03	\$2,136.05	\$21,970.80
	2015	Harvest					
			Final				
				16 18N 9E	154	\$5,390.00	\$158,620.00
				Totals	154	\$5,390.00	\$158,620.00
				Totals	154	\$5,390.00	\$158,620.00
				Summary for 'Act_Name' = Harvest			
				Totals	154	\$5,390.00	\$158,620.00
				Summary for 'PlanYear' = 2015			
				Totals	154	\$5,390.00	\$158,620.00
	2016	Harvest					

Client Name	Year	Activity Name	Practice	STR	Est. Acres	Est. Cost	Est. Revenue
			Thin				
				16 18N 9E	61	\$2,135.00	\$9,150.00
					39	\$1,365.00	\$5,850.00
					40	\$1,400.00	\$6,000.00
				Totals	140	\$4,900.00	\$21,000.00
				Totals	140	\$4,900.00	\$21,000.00
						Summary for 'Act_Name' = Harvest	
				Totals	140	\$4,900.00	\$21,000.00
				Totals	140	\$4,900.00	\$21,000.00
						Summary for 'PlanYear' = 2016	
				Totals	140	\$4,900.00	\$21,000.00
						Summary for 'ClientName' = Choctaw BOE	
				Totals	355.03	\$12,426.05	\$201,590.80
Grand Totals					355.03	\$12,426.05	\$201,590.80