



Vision • Commitment • Pride

FOREST STEWARDSHIP MANAGEMENT PLAN

Prepared For:
Grenada County BOE

Prepared By:
Kenneth E. Cline
MFC

Time Period Covered by This Plan:
2012 - 2021

Date Plan Prepared:
2012-02-15

Plan Type:
Stewardship / Stewardship

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

Property Name: S16-T21N-R4E

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MISSISSIPPI FORESTRY COMMISSION
FOREST STEWARDSHIP MANAGEMENT PLAN

LANDOWNER INFORMATION

Name: Grenada County BOE
Mailing Address: Grenada School District
P.O. Box 1940
City, State, Zip: Grenada, MS 38902
Country: United States of America
Contact Numbers: Home Number:
Office Number: 662-226-1606
Fax Number: 662-226-7994
E-mail Address: ddaigneault@gsd.k12.ms.us
Social Security Number (optional):

FORESTER INFORMATION

Name: Kenneth E. Cline , SF
Forester Number: 01333
Organization: MFC
Street Address: 50 E. Pecan St.
Suite-A
City, State, Zip: Grenada, MS 38901
Contact Numbers: Office Number: 662-226-1973
Fax Number: 662-226-1973
E-mail Address: kcline@mfc.state.ms.us

PROPERTY LOCATION

County: Grenada Total Acres: 632 Latitude: -89.88 Longitude: 33.68
Section: 16 Township: 21N Range: 4E

DISCLAIMER

Stewardship Plan 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 approximately 7 miles West of Elliott on Jefferson Road in Granada County, and consist of 632.35 acres, of which 613.09 acres are forested. The section consists of the following stands:

STRATUM #1 [Stand # 1, 9 & 23] (200.11 ac.) ; 16 yr. old Pine Pulpwood., estab. 1994 & 1995.

STRATUM #2 [Stand # 12 & 14] (146.03 ac.) ; 26 yr. old Pine Chip & Saw, estab. 1985.

STRATUM #3 [Stand # 2] (106.66 ac.) ; 20 yr. old Pine Pulpwood, estab. 1991.

STRATUM #4 [Stand # 7 & 10] (48.2 ac.) ; 68 yr. old Hardwood Sawtimber SMZ, estab. 1943.

STRATUM #5 [Stand # 8 & 11] (41.24 ac.) ; 56 yr. old Pine Sawtimber, estab. 1955.

STRATUM #6 [Stand # 24] (70.85 ac.); 16 yr. old Pine Pulpwood, estab. 1995.

The section will be inspected annually to assess the overall condition of the stands, roads and firelanes. Any and all maintenance to the section will be done as needed.

Water Resources

Perennial water resources were identified during a reconnaissance of the property. The watershed drainages of this section are in the *South Yalobusha River* watershed, a part of the Yazoo River Watershed Basin. The objective is to protect, preserve and enhance all water sources and drainages on or transecting the property. Mississippi's Best Management Practices will be implemented during all aspects of the management of this property to minimize the impact on any water source.

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Archeological and Cultural Resources

A **Church** and **Cemetery** (4.59 acres), exist at the Northeast corner of the section, bordering *Strata 2*. This area will be delineated on the ground by flagging or painting, to protect it during timber sales or other silvicultural activity and will be designated as an *Exclusion Zone* in timber sale contracts.

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

Ff, Fl - Falaya silt loam

The Falaya 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 silty alluvium. 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 low. Available water to a depth of 60 inches is very high. Shrink-swell potential is low. This soil is occasionally flooded. It is not ponded. A seasonal zone of water saturation is at 18 inches during January, February, March, April, December. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria. Loblolly Site Index = 98, Cherrybark Oak = 110.

PaF - Providence-Loring assoc.

The Providence component makes up 34 percent of the map unit. Slopes are 12 to 15 percent. This component is on uplands. The parent material consists of silty loess over sandy marine deposits. Depth to a root restrictive layer, fragipan, is 18 to 38 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 not flooded. It is not ponded. A seasonal zone of water

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saturation is at 18 inches during January, February, March. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 6e. This soil does not meet hydric criteria. The Loring component makes up 19 percent of the map unit. Slopes are 17 to 20 percent. This component is on uplands. The parent material consists of loess deposits. Depth to a root restrictive layer, fragipan, is 14 to 35 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately low. 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 6e. This soil does not meet hydric criteria. Loblolly Pine Site Index = 84, Cherrybark Oak = 94.

MeF - Memphis silt loam

The Memphis component makes up 90 percent of the map unit. Slopes are 17 to 40 percent. This component is on uplands. The parent material consists of loess 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 very 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 2 percent. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria. Loblolly Site Index = 100, Cherrybark Oak = 114.

LoC3 - Loring silt loam

The Loring 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 loess deposits. Depth to a root restrictive layer, fragipan, is 14 to 35 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 28 inches during January, February, March, December. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria. Loblolly Site Index = 85.

Gu - Gullied land, silty

Generated brief soil descriptions are created for major soil components. The Gullied land is a miscellaneous area. Loblolly Site Index = 68.

GENERAL PROPERTY RECOMMENDATIONS

Forest Protection

A vigorous 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

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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*.

Permanent Firebreaks and Woods Roads will be inspected periodically and any needed work will be scheduled with the Boundary Line Painting. This is scheduled for **2014** and **2019**.

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.

Boundary Line Maintenance is scheduled for **2014** and **2019**.

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

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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.

STRATA

Strata 1

Strata Description

Pine Pulpwood-17 years old, (198.28 acres), estab. 1994 & 1995. **Stand # 1 & 9.** This strata is understocked. Current stocking is 196 trees per acre with an average diameter of

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8 inches and an average merchantable height of 25 feet. The average Basal Area is 77 square feet per acre, yielding an estimated 49 tons per acre.

Strata Recommendations

Due to the low stocking of this strata, an early Final Harvest will be scheduled in FY '12, followed by chemical site prep, site prep burning and tree planting. This is a better alternative than allowing these stands to continue to develop into what will become a low grade mixed Pine/Hardwood stand.

Activity Recommendations

Harvest

A Final Harvest is scheduled for FY '12 (Fall **2011**). All merchantable timber, Pine and Hardwood, will be harvested. *Market conditions will dictate the actual timing of the sale.*

Site Preparation

Following the Final Harvest, this strata will be chemically site preped to control sprouting vegetation and to prepare the site for tree planting in the Winter of 2014. The site will be allowed to sprout during the Summer of 2013 and inspected during the Summer/Fall of 2013. A chemical recommendation will be made at that time.

*The chemical application should be done **July 15, 2014-September 30, 2014.***

Site Preparation

Following the chemical site prep, this strata will be *Site Prep Burned* to further prepare the site for tree planting. This work will be scheduled no earlier than 45-60 days, after chemical application, generally, **October 1, 2014 - December 31, 2014.**

Regeneration

The strata will be hand planted in Improved Loblolly Pine on a 7 foot X 9 foot spacing (691 trees per acre). This work should be done **January 1, 2015 - March 1, 2015.**

Strata 2

Strata Description

Pine Sawtimber - 26 yr. old (146.03 acres), estab. 1985. **Stand # 12 & 14.**

This strata received it's 2nd thinning in 2007. Current Pine stocking is approximately 62 trees per acre with a Basal Area of 65 square feet per acre. The average diameter is 14 inches. Hardwoods account for an additional 26 trees per acre, averaging 13 inches in diameter and 24 square feet of Basal Area. A prescribed burn was conducted in 2009 to remove logging slash and reduce the fuel load.

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Strata Recommendations

This strata is scheduled for a prescribed burn in 2014, followed by a 3rd thinning in 2015 and a final harvest in 2018. Stand and market conditions will dictate the actual timing of these practices.

Activity Recommendations

Harvest

This strata is scheduled for a *3rd thinning* in **2015** and a *final harvest* in **2018**. Market conditions will determine the actual timing of these activities.

Fire Protection

A prescribed fire is recommended for this site in order to reduce fuel loading and the potential for a wildfire to occur. A prescribed burning plan must be developed and followed in the application of the burn. Because of equipment, personnel and weather requirements, the application of a prescribed fire is limited to only those days that meet requirements of the burning plan. A certified prescribed burning manager should be employed to conduct the burn. The Mississippi Forestry Commission (on a limited basis) and other certified prescribed burning vendors are available to conduct prescribed burning.

A prescribed burn is scheduled for **2014**.

Strata 3

Strata Description

Pine Chip-N-Saw - 20 yr. old (106.66 acres), estab. 1991. **Stand # 2.**

This strata received it's 1st thinning in 2009. A prescribed burn was conducted in 2011, to remove logging slash and reduce the fuel load. Current Pine stocking is approximately 132 trees per acre, averaging 12 inches in diameter and 35 feet in merchantable height. The average Basal Area is 98 square feet per acre. Hardwood stocking is approximately 75 trees per acre (mostly pulpwood), with a Basal Area of 30 square feet per acre.

Strata Recommendations

This strata is scheduled for a 2nd thinning in 2016, followed by a prescribed burn in 2019.

Activity Recommendations

Harvest

A 2nd thinning is scheduled in **2016** (stand age 25). The objective will be to remove any remaining pulpwood, as well as, any diseased, damaged and ill formed trees. Market and stand conditions will dictate the actual timing of the thinning.

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Fire Protection

A prescribed fire is recommended for this site in order to reduce fuel loading and the potential for a wildfire to occur. A prescribed burning plan must be developed and followed in the application of the burn. Because of equipment, personnel and weather requirements, the application of a prescribed fire is limited to only those days that meet requirements of the burning plan. A certified prescribed burning manager should be employed to conduct the burn. The Mississippi Forestry Commission (on a limited basis) and other certified prescribed burning vendors are available to conduct prescribed burning.

A prescribed burn is scheduled for **2019** (two years after the 2nd thinning), to remove logging slash and reduce the fuel load.

Strata 4

Strata Description

Hardwood Sawtimber SMZ - 68 yr. old (48.2 acres), estab. 1943. [*This is a restricted management zone.*] **Stand # 7 & 10.**

The current stocking consists of 181 trees per acre, with a Basal Area of 119 square feet per acre. The estimated yield is 45 tons per acre.

Strata Recommendations

This strata will be managed on a 70 year rotation with *selective harvesting* only. Natural regeneration will be utilized when needed.

Strata 5

Strata Description

Pine Sawtimber - 56 yr. old (41.24 acres), estab. 1955. **Stand # 8 & 11.**

Current Pine stocking is 82 trees per acre with an average Basal Area of 67 square feet per acre. Hardwood stocking is 84 trees per acre with an average Basal Area of 28 square feet per acre.

Strata Recommendations

This strata is scheduled for a Final Harvest in FY '12 (**Fall 2011**). This will be followed by a chemical site prep spraying, a site prep burn and a tree planting operation.

Activity Recommendations

Harvest

A **Final Harvest** is scheduled for FY '12 (**Fall 2011**). All merchantable timber will be harvested. *Market conditions will dictate the actual timing of the sale.*

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Site Preparation

Following the final harvest, this strata will be chemically site preped to control sprouting vegetation and to prepare the site for tree planting in the Winter of 2014. The site will be allowed to sprout during the Summer of 2013 and inspected during the Summer/Fall of 2013. A chemical recommendation will be made at that time.

The chemecal application should be done **July 15, 2014 - September 30, 2014**.

Site Preparation

Following the chemical site prep, this strata will be *Site Prep Burned*, to further prepare the site for tree planting. This work will be scheduled no earlier than 45-60 days, after chemical application, generally, **October 1, 2014 - December 31, 2014**.

Regeneration

This strata will be hand planted in Improved Loblolly Pine on a 7 foot X 9 foot spacing (691 trees per acre). This work should be done **January 1, 2015 - -March 1, 2015**.

Strata 6

Strata Description

Pine Pulpwood - 16 yr. old (72.68 acres), estab. 1995. **Stand # 23**.

A 1st thinning was conducted in 2011 (FY '12). Current stocking consists of 167 trees per acre, averaging 9 inches in diameter and 37 feet in merchantable height. The average Basal Area is 75 square feet per acre.

Strata Recommendations

This strata is scheduled for a *Prescribed Burn* in **2014** and a *2nd Thinning* in **2020** (stand age 25).

Activity Recommendations

Fire Protection

A prescribed fire is recommended for this site in order to reduce fuel loading and the potential for a wildfire to occur. A prescribed burning plan must be developed and followed in the application of the burn. Because of equipment, personnel and weather requirements, the application of a prescribed fire is limited to only those days that meet requirements of the burning plan. A certified prescribed burning manager should be employed to conduct the burn. The Mississippi Forestry Commission (on a limited basis) and other certified prescribed burning vendors are available to conduct prescribed burning.

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A *Prescribed Burn* is scheduled in **2014** to remove logging slash and reduce the fuel load.

Harvest

A 2nd Thinning is scheduled for **2020** (stand age 25). The objective will be to remove any remaining pulpwood and any diseased, damaged and ill formed trees. *Stand and market conditions will dictate the actual timing of the sale.*

OTHER PLAN ACTIVITIES

Boundary Lines

Line Description

The Boundary Lines on this section were last painted in September 2008. They were marked with Blue paint.

Line Recommendations

Boundary Line maintenance is scheduled for **2014** and **2019**. They will be marked with *Orange* 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.

This work is scheduled for **2014** and **2019**, when the boundary lines are painted.

This section will, also, be inspected for Beaver Dams, with demolition of any dams scheduled as needed. The estimated cost of this work is \$500 per demolition. Because the actual need for this work is unpredictable, this cost is NOT included in the Expense & Revenue Spread Sheets included in this plan.

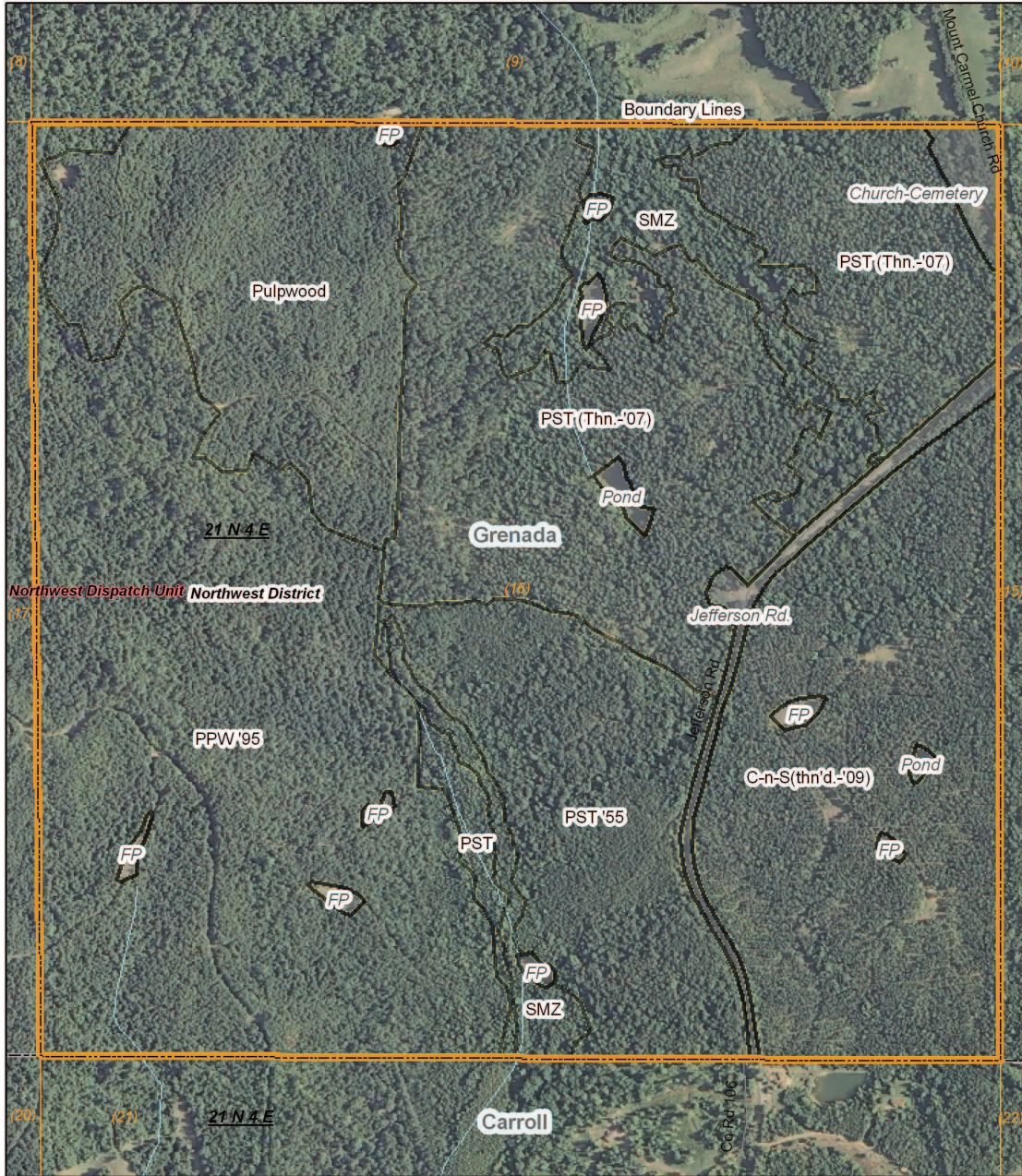
S16-T21N-R4E GRENADA COUNTY PLAN MAP



S16-T21N-R4E GRENADA COUNTY PLAN MAP

Jefferson Section

2012 to 2021
632.35 Acres




(12/16/2011)

0 0.1 0.2 0.3 0.4 Miles






S16-T21N-R4E GRENADA COUNTY LEGEND


Property

 Property (1)

Category 1: Stands


 Pulpwood (4)
 Chip-n-Saw (3)
 Sawtimber (4)

Category 3: Non-Forest Stands


 Non-Forest (13)

MFC Basemap


County Boundary

 County Boundary (2)


Quadrangle Grid

 USGS Quad (4)


PLS Townships

 PLS Townships (2)


Survey Districts

 District 2 (2)


Blockgroup (Census 2000)

 Blockgroup (Census 2000) (2)


Block (Census 2000)

 Block (Census 2000) (8)


Tract/BNA (Census 2000)

 Tract/BNA (Census 2000) (2)



County Roads

 County Roads (3)



School Sections

 School Sections (1)

Public School Districts

 GRENADA SCHOOL DISTRICT (1)
 CARROLL COUNTY SCHOOL DISTRICT (2)

US Congressional District

 US Cong Dist #2 (1)
 US Cong Dist #1 (1)


MS Senate

 14 (2)


MS House

 46 (2)


Intermittent Streams

 Intermittent Streams (5)


Hydrologic Units (Basins)

 YALOBUSHA RIVER ABOVE GRENADA DAM (2)


Historic Forest Boundary

 Oak-Hickory-Magnolia-Poplar (2)


MS Forest Habitat

 DEEP LOESS HILLS AND BLUFFS (2)


Physiographic Region

 LOESS HILLS (2)


Soil Associations

 memphis-loring-collins (2)


Surface Geology

 KOSCIUSKO (3)


MFC Districts

 MFC Districts (1)

MFC Dispatch Units

 MFC Dispatch Units (1)

MS Outline

 MS Outline (1)

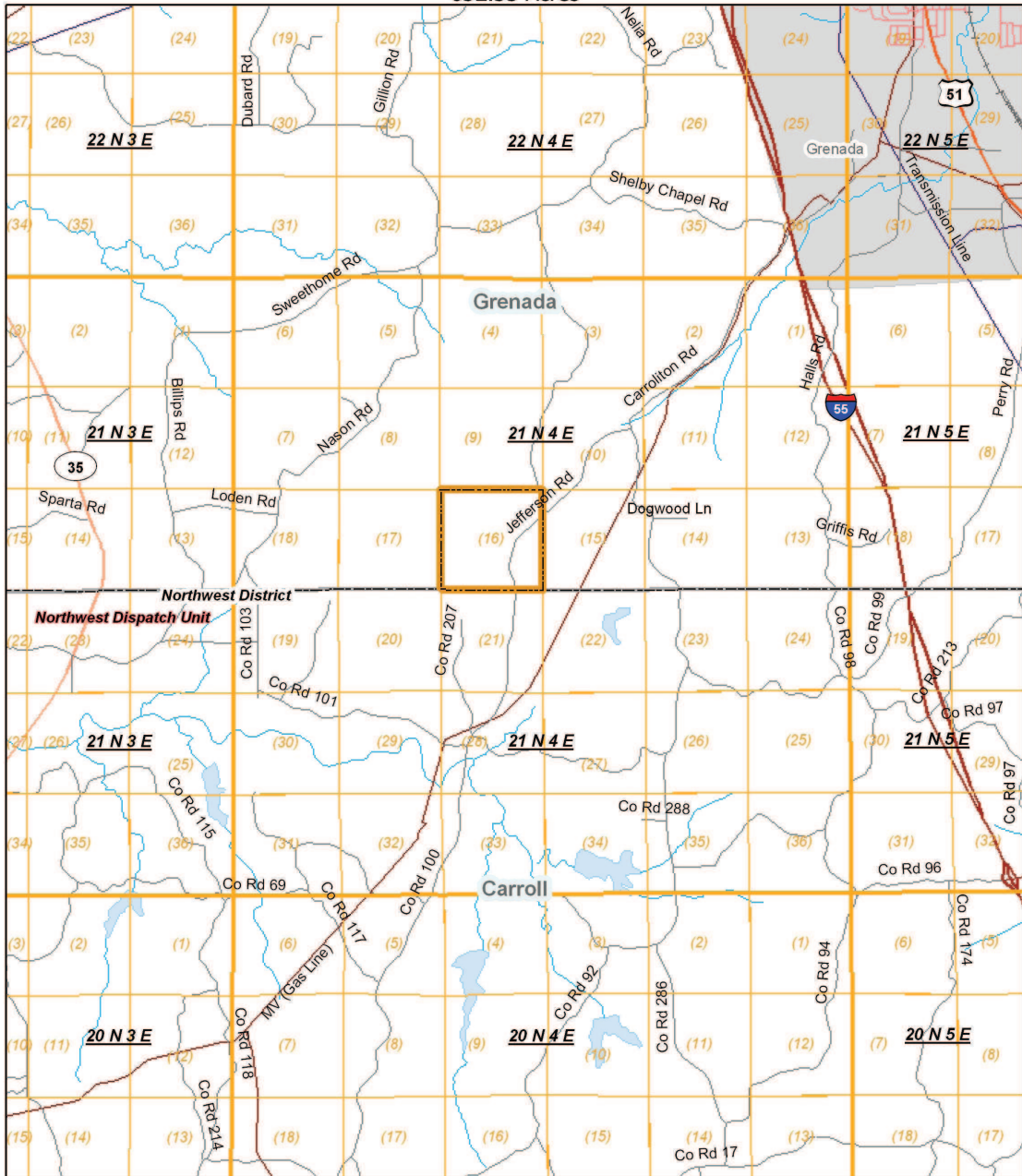
S16-T21N-4E ROAD MAP



S16-T21N-4E ROAD MAP

Jefferson Section

2012 to 2021
632.35 Acres



Stand Activity Schedule for
Grenada County BOE
16 21N 4E

Strata	Stand	Activity	Acre	Est. Cost	Est. Revenue
2012					
1	1	Technical, Establish, Cruise, Hand, Inventory	180	\$2,700.90	\$0.00
1	1	Harvest, Mechanical, Final, Machine, Loblolly	180	\$3,600.00	\$72,360.00
5	8	Harvest, Mechanical, Final, Machine, Loblolly	64	\$1,914.30	\$70,127.19
5	8	Technical, Establish, Cruise, Hand, Inventory	64	\$1,276.20	\$0.00
5	22	Technical, Establish, Cruise, Hand, Inventory	6	\$116.80	\$0.00
5	22	Harvest, Mechanical, Final, Machine, Loblolly	6	\$180.00	\$6,594.00
Yearly Totals			500	\$9,788.20	\$149,081.19
2014					
1	1	Regeneration, Artificial, Plant, Hand, Loblolly	180	\$18,006.00	\$0.00
1	1	Site Preparation, Other, Burn, Hand, Cut-Over	180	\$4,501.50	\$0.00
1	1	Site Preparation, Chemical, Broadcast, Aerial, Combination	180	\$18,006.00	\$0.00
2	9	Fire Protection, Other, Burn, Hand, Fuel Reduction	104	\$2,592.50	\$0.00
2	11	Fire Protection, Other, Burn, Hand, Fuel Reduction	42	\$1,058.25	\$0.00
5	8	Regeneration, Artificial, Plant, Hand, Loblolly	64	\$6,381.00	\$0.00
5	8	Site Preparation, Chemical, Broadcast, Aerial, Combination	64	\$6,381.00	\$0.00
5	8	Site Preparation, Other, Burn, Hand, Cut-Over	64	\$1,595.25	\$0.00
5	22	Regeneration, Artificial, Plant, Hand, Loblolly	6	\$584.00	\$0.00
5	22	Site Preparation, Chemical, Broadcast, Aerial, Combination	6	\$584.00	\$0.00
5	22	Site Preparation, Other, Burn, Hand, Cut-Over	6	\$146.00	\$0.00
6	20	Fire Protection, Other, Burn, Hand, Fuel Reduction	73	\$1,825.00	\$0.00

Strata	Stand	Activity	Acre	Est. Cost	Est. Revenue	
			Yearly Totals	968	\$61,660.50	\$0.00
2015						
2	9	Harvest, Mechanical, Thin, Machine, Loblolly	104	\$3,640.00	\$73,736.00	
2	11	Harvest, Mechanical, Thin, Machine, Loblolly	42	\$1,481.55	\$30,011.97	
			Yearly Totals	146	\$5,121.55	\$103,747.97
2016						
3	2	Harvest, Mechanical, Thin, Machine, Loblolly	107	\$3,745.00	\$65,912.00	
			Yearly Totals	107	\$3,745.00	\$65,912.00
2018						
2	9	Harvest, Mechanical, Final, Machine, Loblolly	104	\$3,640.00	\$108,680.00	
2	11	Harvest, Mechanical, Final, Machine, Loblolly	42	\$1,481.55	\$44,234.85	
			Yearly Totals	146	\$5,121.55	\$152,914.85
2019						
3	2	Fire Protection, Other, Burn, Hand, Fuel Reduction	107	\$2,666.50	\$0.00	
			Yearly Totals	107	\$2,666.50	\$0.00
2020						
6	20	Harvest, Mechanical, 2nd Thin, Machine, Loblolly	73	\$2,555.00	\$11,680.00	
			Yearly Totals	73	\$2,555.00	\$11,680.00
			Grand Totals	2,047	\$90,658.30	\$483,336.01