

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-T23N-R7E

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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

Grenada, MS 38901 City, State, Zip:

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: 635 Latitude: -89.57 Longitude: 33.86

Section: 16 Township: 23N Range: 7E

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.

A *Food Plot* exists in the Northeast corner of the section. It covers **5.97 acres** and is classified as a Non-Forest area.

PROPERTY DESCRIPTION

General Property Information

This section is located approximately 8 miles Northeast of the Gore Springs Community, in the Northeast corner of Grenada County and consists of 634.92 acres, of which 621.5 acres are forested.

The section consists of the following Stands:

STRATUM #1: *Pine Chip-n-Saw-*17 yr. old [Thinned July 2009], (194.62 ac.), estab. 1995. **Stand #1, 6, 7, and 8**.

STRATUM #2: *Pine Sub-Merchant*able-7-10 yr. old (3.03 ac.), estab. 2005 [**Stand** #13]; (142.1 ac.), estab. 2002 [**Stand** # 3, 12, 13, and 14].

STRATUM #3: Pine Sub-Merchantable-12 yr. old (135.67 ac.), estab. 2000. Stand #5.

STRATUM #4: *Hardwood Sawtimber SMZ*-40 yr. old (80.52 ac.), estab. 1972. **Stand # 9, 10, and 15**.

STRATUM #5: *Pine Sawtimber*-25 yr. old [Thinned Jan. 2010], (65.56 ac.), estab. 1987. **Stand # 1.**

The section will be inspected annually to assess the overall condition of the stands, roads and firelanes. Any and all maintenance 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 Coles Creek watershed. Coles Creek is a

tributary 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.

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.

Archeological and Cultural Resources

No Archeological and Cultural Resources were identified during a reconnaissance of the property.

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

RpF - Ruston-Providence Assoc.

The Ruston component makes up 36 percent of the map unit. Slopes are 17 to 45 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 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 Providence component makes up 28 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

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 site index for Loblolly Pine = 85.

Ws - Waverly silt loam

The Waverly component makes up 90 percent of the map unit. Slopes are 0 to 2 percent. This component is on stream terraces. The parent material consists of silty alluvium deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is 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 occasionally flooded. It is not ponded. A seasonal zone of water saturation is at 9 inches during January, February, March, April, December. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 3w. This soil meets hydric criteria. Loblolly Site Index = 98, Cherrybark Oak = 110.

Gs - Gullied Land-clayey

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

PrC2 - Providence: (eroded)

The Providence 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 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 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 3e. This soil does not meet hydric criteria. Loblolly Site Index = 80.

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.

DuC2 - Dulac silt loam, eroded

The Dulac 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 20 to 26 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 high. Shrink-swell potential is moderate. This soil is not 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 1 percent. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria. Loblolly Site Index = 80.

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 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.

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 Chip-n-Saw-17 yr. old [Thinned July 2009], (194.62ac.), estab. 1995. **Stand # 1, 6, 7, and 8**.

The 1st Thinning of this Strata was completed in July 2009. A fuel reduction Prescribed Burn was completed November 1, 2011.

Current stocking consists of 163 trees per acre, with an average diameter of 10 inches. The Basal Area is 96 square feet per acre. The estimated yield is 34 tons per acre.

Strata Recommendations

This Strata is scheduled for a <u>wildlife habitat improvement</u> **Prescribed Burn in 2015**. The Strata will be scheduled for a *2nd Thinning* in **2017** and this will be followed by a <u>fuel reduction</u> *Prescribed Burn* in **2020** (approximatedy 2 years after completion of the timber sale).

Activity Recommendations

Harvest

This Strata is scheduled for a 2nd Thinning in 2017 (stand age 22). The purpose will be to reduce the Basal Area to 80 square feet per acre. Any pulpwood and diseased, damaged and ill formed trees will be targeted for removal; with the goal of a residual stand composed, primarily, of dominant and codominant trees of sawtimber or potential sawtimber class. Stand and market conditions will dictate the actual timing of the sale.

Wildlife Management

Prescribed burning is highly recommended for wildlife habitat management where loblolly, shortleaf, longleaf, or slash pine is the primary overstory species. Periodic fire tends to favor understory species that require a more open habitat. Deer, dove, quail and turkey are game species which benefit from prescribed fire. Yield and quality of herbage, legumes, and browse from hardwood sprouts are increased after a prescribed burn. Prescribed burning creates openings for feeding, travel, and dusting.

A Prescribed Burn is scheduled in 2015, for wildlife habitat improvement.

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 in **2020**. The goal will be to remove logging slash and reduce the fuel load.

Strata 2

Strata Description

Pine Sub-Merchantable-7-10 yr. old- (3.03 ac.), estab. 2005 [**Stand # 13**] (142.10 ac.), estab. 2002 [**Stand # 3, 12, 13, and 14**].

Current stocking consists of 568 trees per acre. The average diameter is 6 inches and the average Basal Area is 110 square feet per acre.

{Stand # 13 was combined with this Strata because it is too small to manage as a seperate Strata.}

Strata Recommendations

This Strata is scheduled for a *1st Thinning* in **2019** (stand age 17). The objective will be to reduce the Basal Area to 80 square feet per acre. Two years after completion of the thinning, a *Prescribed Burn* is scheduled in **2021**. This will be a fuel reduction burn.

Activity Recommendations

Harvest

A *1st thinning* is scheduled for **2019**. Diseased, damaged and poorly formed trees will be selected for removal, with the goal of reducing the average Basal Area to 80 square feet per acre. *Stand and market conditions will dictate the actual timing of the sale*.

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 in **2021**. The goal will be to remove logging slash and to reduce the fuel load.

Strata 3

Strata Description

Pine Sub-Merchantable-12 yr. old (135.67 ac.), estab. 2000. Stand # 5.

Current Stocking consists of 319 trees per acre. The average diameter is 8 inches and the average Basal Area is 110 square feet per acre.

Strata Recommendations

This Strata is scheduled for a *1st Thinning* in **2017** (stand age 17). The objective will be to reduce the Basal Area to 80 square feet per acre. Two years after completion of the thinning, A *Prescribed Burn* is scheduled in **2020**. This will be a fuel reduction burn.

Activity Recommendations

Harvest

A *1st thinning* is scheduled for **2017**. Diseased, damaged and poorly formed trees will be selected for removal, with the goal of reducing the average Basal Area to 80 square feet per acre. *Stand and market conditions will dictate the actual timing of the sale*.

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 in **2020**. The goal will be to remove logging slash and to reduce the fuel load.

Strata 4

Strata Description

Hardwood Sawtimber SMZ-40 yr. old (80.52 ac.) estab. 1972. Stand # 9, 10, and 15.

Current stocking consists of 114 trees per acre, with an average diameter of 13 inches. The Basal Area is 96 square feet per acre. The estimated yield is 32 tons per acre. Species include: Yellow Poplar, White Oak, a variety of Red oaks, Sweetgum, Green Ash, Elm, and Red Maple. { *This is a Restricted Management Zone.*}

Strata Recommendations

This strata will be managed on an 70 year rotation with *selective* harvesting only. Selective harvesting will occur when adjacent stands are thinned or regenerated. No more than 50% of the crown cover will be removed, in order to maintain sufficient overstory to provide shade, maintain bank stability and protect water quality. [*The minimum width on all SMZ's will be 30 feet on both sides of the stream bank*.]

Natural regeneration will be utilized when needed.

No Activities are scheduled for this Strata at this time.

Strata 5

Strata Description

Pine Chip-n-Saw-17 yr. old [Thinned July 2009], (194.62ac.), estab. 1995. **Stand # 1, 6, 7, and 8**.

The *1st Thinning* of this Strata was completed in July 2009. A fuel reduction *Prescribed Burn* was completed November 1, 2011.

Current stocking consists of 139 trees per acre, with an average diameter of 12 inches. The Basal Area is 109 square feet per acre. The estimated yield is 182 tons per acre.

Strata Recommendations

This Strata is scheduled for a <u>wildlife habitat improvement</u> *Prescribed Burn* in **2015**. The Strata will be scheduled for a *2nd Thinning* in **2017** and this will be followed by a <u>fuel reduction</u> *Prescribed Burn* in **2020** (approximatedy 2 years after completion of the timber sale).

Activity Recommendations

Wildlife Management

Prescribed burning is highly recommended for wildlife habitat management where loblolly, shortleaf, longleaf, or slash pine is the primary overstory species. Periodic fire tends to favor understory species that require a more open habitat. Deer, dove, quail and turkey are game species which benefit from prescribed fire. Yield and quality of herbage, legumes, and browse from hardwood sprouts are increased after a prescribed burn. Prescribed burning creates openings for feeding, travel, and dusting.

A Prescribed Burn is scheduled in 2015 for wildlife habitat improvement.

Harvest

This Strata is scheduled for a *2nd Thinning* in **2017** (stand age 30). The purpose will be to reduce the Basal Area to 80 square feet per acre. Any pulpwood and diseased, damaged and ill formed trees will be targeted for removal; with the goal of a residual stand composed, primarily, of dominant and codominant trees of sawtimber or

potential sawtimber class. Stand and market conditions will dictate the actual timing of the sale.

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 in **2020**. The goal will be to remove logging slash and reduce the fuel load.

OTHER PLAN ACTIVITIES

Boundary Lines

Line Description

The *Boundary Lines* on this section were last painted in **2009**. They were marked with Blue paint.

Line Recommendations

Boundary Line Maintenance is scheduled for **2014** and **2019**. The lines 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 in 2014 and 2019, when the boundary lines are painted.

S16-T23N-R7E GRENADA COUNTY PLAN MAP

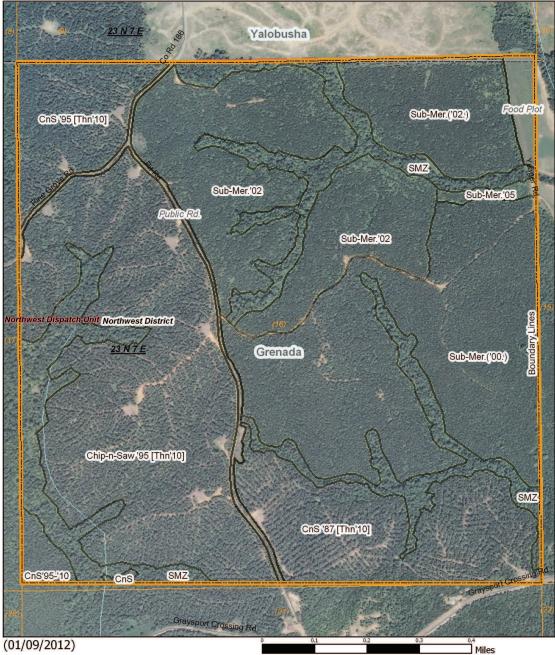


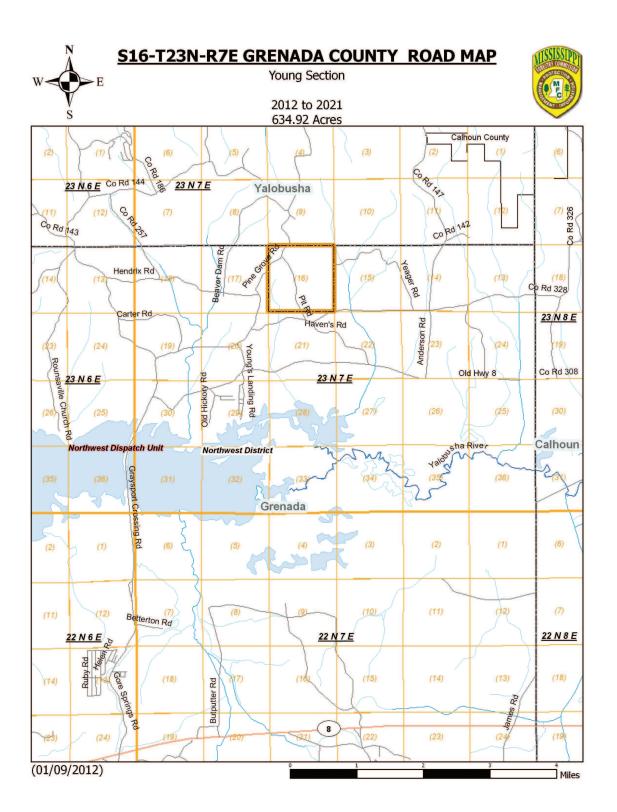
S16-T23N-R7E GRENADA COUNTY PLAN MAP

Young Section

2012 to 2021 634.92 Acres







S16-T23N-R7E GREANDA COUNTY LEGEND



Property Property (1)		
Category 1: Stands Chip-n-Saw (5) Sub-Merchantable (5) Sawtimber (3)		
Category 3: Non-Forest Stands Non-Forest (2)		
MFC Basemap		
County Boundary County Boundary (2)	Public School Districts GRENADA SCHOOL DISTRICT (2) COFFEEVILLE SCHOOL DISTRICT (1)	Physiographic Region North Central Hills (2)
Quadrangle Grid USGS Quad (2)	US Congressional District US Cong Dist #1 (2)	Soil Associations sweatman-smithdale-susquehanna (2) smithdale-providence-collins (2)
PLS Townships PLS Townships (2)	MS Senate 8 (1)	sweatman-tippah-smithdale (1) Surface Geology
Survey Districts District 2 (2)	9 (1) MS House	WILCOX (2) MFC Districts
Blockgroup (Census 2000) Blockgroup (Census 2000) (2)	24 (2) Intermittent Streams	MFC Districts (1) MFC Dispatch Units
Block (Census 2000) Block (Census 2000) (6)	Intermittent Streams (1) Hydrologic Units (Basins)	MFC Dispatch Units (1) MS Outline
Tract/BNA (Census 2000) Tract/BNA (Census 2000) (2)	YALOBUSHA RIVER ABOVE GRENADA DAM (2)	MS Outline (1)
County Roads County Roads (5)	Historic Forest Boundary Red Oak-Hickory-Shortleaf Pine (2)	
School Sections School Sections (1)	MS Forest Habitat NORTHERN LOESSIAL LOAM HILLS (2)	

Stand Activity Schedule for Grenada County BOE 16 23N 7E

Strata	Stand	Activity		Acre	Est. Cost	Est. Revenue
2015						
1	1	Wildlife Management, Other, Burn,	Wildlife Management, Other, Burn, Hand, Habitat Improvement		\$828.00	\$0.00
1	6	Wildlife Management, Other, Burn,	Wildlife Management, Other, Burn, Hand, Habitat Improvement		\$3,875.00	\$0.00
1	7	Wildlife Management, Other, Burn,	Wildlife Management, Other, Burn, Hand, Habitat Improvement		\$18.00	\$0.00
1	8	Wildlife Management, Other, Burn, Hand, Habitat Improvement		6	\$152.75	\$0.00
5	11	Wildlife Management, Other, Burn,	Wildlife Management, Other, Burn, Hand, Habitat Improvement		\$1,650.00	\$0.00
			Yearly Totals	261	\$6.523.75	\$0.00
2017						
1	1	Harvest, Mechanical, 2nd Thin, Machine, Loblolly		33	\$1,159.20	\$17,089.92
1	6	Harvest, Mechanical, 2nd Tl	Harvest, Mechanical, 2nd Thin, Machine, Loblolly		\$5,425.00	\$79,980.00
1	7	Harvest, Mechanical, 2nd Thin, Machine, Loblolly		1	\$25.20	\$371.52
1	8	Harvest, Mechanical, 2nd Thin, Machine, Loblolly		6	\$213.85	\$3,152.76
3	5	Harvest, Mechanical, 1st Thin, Machine, Loblolly		136	\$4,760.00	\$17,000.00
5	11	Harvest, Mechanical, 2nd Tl	Harvest, Mechanical, 2nd Thin, Machine, Loblolly		\$2,310.00	\$53,592.00
	·		Yearly Totals	397	\$13.893.25	\$171.186.20
2019						
2	3	Harvest, Mechanical, 1st Thin, Machine, Loblolly		39	\$1,360.45	\$4,858.75
2	12	Harvest, Mechanical, 1st Thin, Machine, Loblolly		67	\$2,345.70	\$8,377.50
2	13	Harvest, Mechanical, 1st Thin, Machine, Loblolly		3	\$105.00	\$375.00
2	14	Harvest, Mechanical, 1st Thin, Machine, Loblolly		36	\$1,260.00	\$4,500.00
			Yearly Totals	145	\$5.071.15	\$18.111.25

Strata	Stand	Activity		Est. Cost	Est. Revenue
2020					
1	1	Fire Protection, Other, Burn, Hand, Fuel Reduction		\$828.00	\$0.00
1	6	Fire Protection, Other, Burn, Hand, Fuel Reduction		\$3,866.75	\$0.00
1	7	Fire Protection, Other, Burn, Hand, Fuel Reduction		\$18.00	\$0.00
1	8	Fire Protection, Other, Burn, Hand, Fuel Reduction		\$152.75	\$0.00
3	5	Fire Protection, Other, Burn, Hand, Fuel Reduction		\$3,400.00	\$0.00
5	11	Fire Protection, Other, Burn, Hand, Fuel Reduction		\$1,639.00	\$0.00
		Yearly Totals	396	\$9,904.50	\$0.00
2021					
2	3	Fire Protection, Other, Burn, Hand, Fuel Reduction		\$971.75	\$0.00
2	12	Fire Protection, Other, Burn, Hand, Fuel Reduction		\$1,675.50	\$0.00
2	13	Fire Protection, Other, Burn, Hand, Fuel Reduction		\$75.00	\$0.00
2	14	Fire Protection, Other, Burn, Hand, Fuel Reduction		\$900.00	\$0.00
		Yearly Totals	145	\$3.622.25	\$0.00
		Grand Totals	1.344	\$39.014.90	\$189.297.45