



Vision • Commitment • Pride

# FOREST STEWARDSHIP MANAGEMENT PLAN

Prepared For:  
Kemper County BOE

Prepared By:  
Matt Persons  
MFC

Time Period Covered by This Plan:  
2012 - 2021

Date Plan Prepared:  
2012-02-13

Plan Type:  
Stewardship / Stewardship

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

**Property Name: Kemper 16-12-17**

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**MISSISSIPPI FORESTRY COMMISSION  
FOREST STEWARDSHIP MANAGEMENT PLAN**

**LANDOWNER INFORMATION**

Name: Kemper County BOE  
Mailing Address: P.O. Box 219 Main Ave  
City, State, Zip: DeKalb, MS 39328  
Country: United States of America  
Contact Numbers: Home Number:  
Office Number: 601-743-2657  
Fax Number: 601-743-9297  
  
E-mail Address:  
Social Security Number (optional):

**FORESTER INFORMATION**

Name: Matt Persons , Service Forester  
Forester Number: 02485  
Organization: MFC  
Street Address: 201 Firetower Rd.  
City, State, Zip: DeKalb, MS 39328  
Contact Numbers: Office Number: 601-743-5529  
Fax Number:  
E-mail Address: rpersons@mfc.state.ms.us

**PROPERTY LOCATION**

County: Kemper    Total Acres: 641    Latitude: -88.56    Longitude: 32.89  
Section: 16    Township: 12N    Range: 17E

**DISCLAIMER**

This information was derived from a small sampling of forest resources. It reflects a statistical estimation that is only intended to be accurate enough for the purposes of making decisions for the short-term management of these resources. These estimations are temporally static. Events and circumstances may occur within the survey area that will physically alter the forest resources and therefore will not be reflected in this plan.

**INTRODUCTION**

This Forest Stewardship Management Plan will serve as a guide for accomplishing the goals and objectives for your property. In addition to addressing your specific goals and objectives, this plan includes recommendations for maintaining soil and water quality and protecting your forest from insects, disease, and wildfire. Recommendations are based on observation and assessment of the site.

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**OBJECTIVES**

*Timber Production*

The goal is to produce high quality sawtimber. This will be accomplished through reforestation and timber stand improvement practices such as herbicide applications, prescribed burning, thinning at specified intervals, and other silvicultural practices. Forestry Best Management Practices will be implemented to prevent erosion and protect water quality.

*Water Quality*

Streamside management zones have or will be established along the stream and a protective vegetative zone maintained along the perimeter. Water diversions will be installed and maintained where needed on access roads to prevent erosion.

*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*

The property is located in the northeastern part of the county on Wahalak Road. Access to the section is good and access within the section is poor. This section has a total of 641 acres, of which 26 acres are non-forest and 615 acres are forested.

*Water Resources*

Wahalak Creek and one of its tributaries run through the property. These creeks and other intermittent streams and drains identified will be managed in accordance with Mississippi's Best Management Practices. Streamside management zones will be used to protect these creeks from soils disturbances that occur on adjoining stands.

*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

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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:

## **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*

**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

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and timber harvesting.

*Water Quality Protection*

The objective of the landowner is to protect, preserve and enhance all water sources on or transecting the property. This can best be achieved by implementation of Best Management Practices in all aspects of the management of the property.

*Aesthetics*

The goal is to assure that the property is managed in such a way that is aesthetically pleasing to the landowner as well as the community. Activities could include, maintaining buffer strips along the road and adjacent to the home site, planting wildflowers along the road, and trees with attractive fall and spring color along the drive and near the home site.

*Ecological Restoration*

Ecological restoration is the process of assisting the recovery of an ecosystem that has been degraded, damaged, or destroyed. A reconnaissance of the property has been conducted and no ecological restoration activities are recommended at this time.

*Wildlife 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.

## **SOIL TYPES**

*QS*

The Quitman component makes up 46 percent of the map unit. Slopes are 0 to 3 percent. This component is on stream terraces. The parent material consists of loamy 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 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 21 inches during January, February, March. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria. The Stough component makes up 40 percent of the map unit. Slopes are 0 to 2 percent. This component is on terraces. The parent material consists of loamy 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 high. Available water to a depth of 60 inches is moderate. Shrink-swell

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potential is low. This soil is not 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 2w. This soil does not meet hydric criteria.

*WO*

The Wilcox component makes up 90 percent of the map unit. Slopes are 1 to 3 percent. This component is on uplands. The parent material consists of clayey marine deposits. Depth to a root restrictive layer, bedrock, paralithic, is 40 to 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. A seasonal zone of water saturation is at 27 inches during January, February, March, April. 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 = 81. Slash Site Index = 85.

*Ho*

The Houlka 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 clayey 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 very low. Available water to a depth of 60 inches is high. Shrink-swell potential is high. This soil is frequently 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 1 percent. Nonirrigated land capability classification is 4w. This soil does not meet hydric criteria.

## **STRATA**

*Strata 1*

Strata Description

Strata 1 contains one stand, (stand 2), and covers 159 acres of hardwood sawtimber. Stand 2 has an average of 80 tons per acre and an average height of 80 feet. Wahalak Creek runs through this stand and a good portion of this acreage will be managed as a streamside management zone. This streamside management zone will be thinned when the remainder of stand 2 is regeneration harvested.

Activity Recommendations

Harvest

Strata 1 is scheduled for a regeneration harvest in 2015. A good portion of this stand will be managed as a streamside management zone and will be thinned, while the remainder of the stand is harvested.

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Site Preparation

Site preparation spraying will be done by aerial broadcast in order to reduce herbaceous and woody competition. This activity will take place in the summer/fall of 2016 and will need to be contracted by a vendor.

Site Preparation Burn

A prescribed burn should be conducted to further prepare the site. A burn will reduce debris that may otherwise impede tree planting. The result will enable better accessibility by tree planters, improving overall uniformity and quality of the planting job. A prescribed burning plan should be developed and followed in the application of the burn. A certified prescribed burn manager should be employed to conduct the burn. The Mississippi Forestry Commission is available to conduct prescribed burning on a limited basis. This burn will need to be completed by December 15, 2016.

Regeneration

Following site preparation, the area should be planted with genetically improved loblolly pine seedlings. Seedlings should be planted at a rate of 691 trees per acre at a spacing of 7 feet x 9 feet. Planting should be done between December and March. Adverse weather conditions such as prolonged dry or cold periods should be taken into consideration when considering planting.

Seedling care and handling, as well as planting, will conform to the established MFC guidelines. See "What You Should Know About Planting Your Stewardship Forest" in the attachment section of this plan.

*Strata 2*

Strata Description

Strata 2 contains only one stand, (3), which covers 47 acres of a submerchantable Loblolly pine plantation. This stand averages 8 feet in height and has 500 trees per acre.

Strata Recommendations

No activities are planned for this strata during the life of the plan.

*Strata 3*

Strata Description

Strata 3 is composed of stands 1, 6, 7, 14, and 15, which cover a total of 348 acres. This area was direct seeded roughly twenty years ago. Most of this strata can be classified as hardwood pulpwood with scattered pine throughout. The average height of these stands is 40 feet, while average basal areas run 110 square feet per acre. The average number of trees across the strata ranges from 800-1700 stems per acre. Most of the hardwoods growing on these sites are low quality, (Sweetgum and Red Maple), and therefore, the majority of this strata will be harvested and regenerated with Loblolly Pine during the



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life of this plan. As with this entire section, this strata is located on Flatwoods soils and cultural work will have to coincide with the summer/fall dry season.

**Activity Recommendations**

**Harvest**

Stand 1 of this strata is scheduled for an intermediate thinning in 2016. This harvest will cover 98 acres. This thinning will target the lowest quality, diseased, and suppressed trees within the stand and help promote diameter growth, to facilitate a regeneration harvest as soon as growth and market conditions allow.

**Harvest**

Stand 6 of this area, (55 acres), is scheduled for a regeneration harvest in 2017.

**Harvest**

Stands 7 and 15 are scheduled for a regeneration harvest in 2019. These stands are low quality hardwood pulpwood and will have to be harvested during the summer/fall dry season.

**Harvest**

Stand 14, (107 acres), is scheduled for an intermediate thinning in 2020. This harvest will target the lowest quality, diseased, and suppressed trees within the stand for removal. This treatment will likely promote diameter growth to facilitate a regeneration harvest as soon as market conditions allow.

**Site Improvement**

Stands 7 and 15 will need to be bedded prior to tree planting in 2020, to insure growth and survival of the stand. These sites are on "flatwoods" soils that have a high watertable during the winter months.

**Site Improvement**

Stand 6 will need to be bedded prior to tree planting in 2018, to insure growth and survival of the stand. These sites are on "flatwoods" soils that have a high watertable during the winter months.

**Regeneration**

Following site preparation, stand 6, (55 acres), should be planted with genetically improved loblolly pine seedlings, in 2018. Seedlings should be planted at a rate of 691 trees per acre at a spacing of 7 feet x 9 feet. Planting should be done between December and March. Adverse weather conditions such as prolonged dry or cold periods should be taken into consideration when considering planting.

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**Regeneration**

Following site preparation, stands 7 and 15, (88 acres), should be planted with genetically improved loblolly pine seedlings, in 2020. Seedlings should be planted at a rate of 691 trees per acre at a spacing of 7 feet x 9 feet. Planting should be done between December and March. Adverse weather conditions such as prolonged dry or cold periods should be taken into consideration when considering planting.

Seedling care and handling, as well as planting, will conform to the established MFC guidelines. See "What You Should Know About Planting Your Stewardship Forest" in the attachment section of this plan.

**Post Plant**

Stand 6 of this strata being 55 acres will need to be release sprayed from hardwood competition in 2019. This activity will have to be contracted by a vendor and completed by October 15 of that year.

**Post Plant**

Stands 7 and 15 of this strata being 88 acres will need to be release sprayed from hardwood competition in 2021. This activity will have to be contracted by a vendor and completed by October 15 of that year.

**Post Plant**

Add Text For Post Plant, Chemical, Broadcast, Aerial, Woody

*Strata 4*

**Strata Description**

Strata 4 is comprised of stands 9, 10, 11, and 12, which cover 58 acres. This strata can be classified as pine pulpwood, with average heights of 50 feet and average basal areas of 90 square feet per acre. These stands were established by direct seeding some 20 years ago and are of poor quality. The goal is to regenerate this entire strata during the life of the plan. This strata is located on "flatwoods" soils and cultural work will have to take place during the summer/fall dry season.

**Activity Recommendations**

**Harvest**

A regeneration harvest is planned for Stands 9 and 10, which will cover 9 acres, in 2015. This harvest will be planned with Stand 2, Strata 1 in the same year, due to the small acreage size.

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Harvest

A regeneration harvest is planned for Stand 12 of this strata, being 29 acres in 2014.

Harvest

Stand 11 is scheduled for a regeneration harvest in 2019, which will cover 20 acres.

Site Preparation

Stands 9 and 10 will need to be aerially sprayed to control hardwood competition in 2016. This activity will need to be contracted by a vendor and completed before October 1.

Site Preparation Burn

A prescribed burn should be conducted to further prepare the site. A burn will reduce debris that may otherwise impede tree planting. The result will enable better accessibility by tree planters, improving overall uniformity and quality of the planting job. A prescribed burning plan should be developed and followed in the application of the burn. A certified prescribed burn manager should be employed to conduct the burn. The Mississippi Forestry Commission is available to conduct prescribed burning on a limited basis. Stands 9 and 10 are scheduled for a burn in 2016.

Regeneration

Following site preparation, stands 9 and 10 should be planted with genetically improved loblolly pine seedlings, in 2016. Seedlings should be planted at a rate of 691 trees per acre at a spacing of 7 feet x 9 feet. Planting should be done between December and March. Adverse weather conditions such as prolonged dry or cold periods should be taken into consideration when considering planting.

Seedling care and handling, as well as planting, will conform to the established MFC guidelines. See "What You Should Know About Planting Your Stewardship Forest" in the attachment section of this plan.

Regeneration

Following site preparation, stand 12, (29 acres), should be planted with genetically improved loblolly pine seedlings, in 2018. Seedlings should be planted at a rate of 691 trees per acre at a spacing of 7 feet x 9 feet. Planting should be done between December and March. Adverse weather conditions such as prolonged dry or cold periods should be taken into consideration when considering planting.

Seedling care and handling, as well as planting, will conform to the established MFC guidelines. See "What You Should Know About Planting Your Stewardship Forest" in the attachment section of this plan.

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Regeneration

Following site preparation, stand 11, (20 acres), should be planted with genetically improved loblolly pine seedlings, in 2020. Seedlings should be planted at a rate of 691 trees per acre at a spacing of 7 feet x 9 feet. Planting should be done between December and March. Adverse weather conditions such as prolonged dry or cold periods should be taken into consideration when considering planting.

Seedling care and handling, as well as planting, will conform to the established MFC guidelines. See "What You Should Know About Planting Your Stewardship Forest" in the attachment section of this plan.

Post Plant

Stand 12, (29 acres), will need a release spray, to control hardwood competition in 2019. This work will need to be contracted by a vendor and completed by October 15.

Post Plant

Stand 11, (20 acres), will need to be released sprayed in 2021, to control hardwood competition. This work will have to be contracted by a vendor and completed by October 15.

**OTHER PLAN ACTIVITIES**

*Boundary Lines*

Line Description

Maintenance of property boundary lines is important to prevent timber trespass. This activity will be done every five years. Maintenance will include, blazing and painting of boundary line trees and may include permanent firelanes.

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.

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*Access Road*

Line Description

An access road is needed in the northern part of this section to facilitate management. This activity will need to be completed during the summer/fall dry season, due to the wet nature of the soils. Road layout will need to follow the contour of the land when at all possible. This road will likely need to follow the north property boundary and will be 3/4 mile in length.

Activity Recommendations

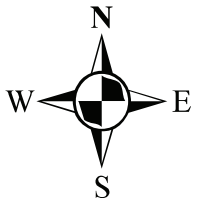
Roads

An access road is needed in the northern part of this section. This road should follow the north property line, if possible and will be 3/4 mile in length. This work will have to take place in the summer/fall dry season, due to the wet soil conditions.

**Strata Activity Schedule**  
**Kemper 16-12-17**  
**County BOE**

PlanYear	Strata	Activity	Acres	Revenue	Cost
2015	1	Harvest ,Mechanical ,Final , Machine	59	\$45,430	\$2,065
2015	4	Harvest ,Mechanical ,Final , Machine	9	\$6,930	\$315
			Year Sub-total	\$52,360	\$2,380
2016	1	Site Preparation ,Chemical ,Broadcast , Aerial	59	\$0	\$5,310
2016	1	Site Preparation ,Other ,Burn , Hand	59	\$0	\$1,475
2016	1	Regeneration ,Artificial ,Plant , Hand	59	\$0	\$5,015
2016	3	Harvest ,Mechanical ,Thin , Machine	98	\$18,130	\$3,430
2016	4	Regeneration ,Artificial ,Plant , Hand	9	\$0	\$765
2016	4	Site Preparation ,Other ,Burn , Hand	9	\$0	\$225
2016	4	Site Preparation ,Chemical ,Broadcast , Aerial	9	\$0	\$810
			Year Sub-total	\$18,130	\$17,030
2017	3	Harvest ,Mechanical ,Final , Machine	55	\$24,750	\$1,925
2017	4	Harvest ,Mechanical ,Final , Machine	29	\$27,840	\$1,015
			Year Sub-total	\$52,590	\$2,940
2018	3	Regeneration ,Artificial ,Plant , Hand	55	\$0	\$5,775
2018	3	Site Improvement ,Mechanical ,Bed , Machine	55	\$0	\$8,250
2018	4	Regeneration ,Artificial ,Plant , Hand	29	\$0	\$3,045
			Year Sub-total	\$0	\$17,070
2019	3	Post Plant ,Chemical ,Broadcast , Aerial	55	\$0	\$4,675

PlanYear	Strata	Activity	Acres	Revenue	Cost
2019	3	Harvest ,Mechanical ,Final , Machine	88	\$40,480	\$3,080
2019	4	Harvest ,Mechanical ,Final , Machine	20	\$18,000	\$700
2019	4	Post Plant ,Chemical ,Broadcast , Hand	29	\$0	\$2,465
			Year Sub-total	\$61,900	\$10,920
2020	3	Regeneration ,Artificial ,Plant , Hand	88	\$0	\$9,240
2020	3	Site Improvement ,Mechanical ,Bed , Machine	88	\$0	\$13,200
2020	3	Harvest ,Mechanical ,Thin , Machine	107	\$19,795	\$3,745
2020	4	Regeneration ,Artificial ,Plant , Hand	20	\$0	\$2,100
			Year Sub-total	\$19,795	\$28,285
2021	3	Post Plant ,Chemical ,Broadcast , Aerial	12	\$0	\$1,020
2021	3	Post Plant ,Chemical ,Broadcast , Aerial	76	\$0	\$6,460
2021	4	Post Plant ,Chemical ,Broadcast , Aerial	20	\$0	\$1,700
			Year Sub-total	\$0	\$9,180
		Grand Totals		\$204,775	\$87,805

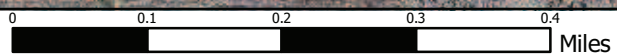


# Kemper County Schools

16-12-17  
2012 to 2021  
640.99 Acres



(01/24/2012)









16-12-17



Property

 Property (1)


Category 1: Stands

 Pulpwood (9)  
 Sawtimber (1)  
 Reproduction (1)

Category 3: Non-Forest Stands


 Non-Forest (4)

Property Roads/Trails


 Access Road (1)

MFC Basemap


County Boundary

 County Boundary (1)

Quadrangle Grid

 USGS Quad (1)


PLS Townships

 PLS Townships (1)

Survey Districts

 District 2 (1)


Blockgroup (Census 2000)

 Blockgroup (Census 2000) (1)

Block (Census 2000)

 Block (Census 2000) (4)

Tract/BNA (Census 2000)

 Tract/BNA (Census 2000) (1)


School Sections

 School Sections (1)

Public School Districts

 KEMPER COUNTY SCHOOL DISTRICT (1)

US Congressional District

 US Cong Dist #3 (1)


MS Senate

 32 (1)

MS House

 42 (1)


Perennial Streams

 Perennial Streams (3)

Intermittent Streams

 Intermittent Streams (2)

Hydrologic Units (Basins)

 NOXUBEE RIVER (1)

Historic Forest Boundary

 Shortleaf Pine-Loblolly Pine-Post/Blackjack Oak (1)




MS Forest Habitat

 INTERIOR FLATWOODS (1)

Physiographic Region

 North Central Hills (1)

Soil Associations

 quitman-stough-kirkville (1)  
 wilcox-falkner-sweatman (1)  
 leeper-catalpa-marietta (1)

Surface Geology

 PORTERS CREEK (1)


MFC Districts

 MFC Districts (1)

MFC Dispatch Units

 MFC Dispatch Units (1)

MS Outline

 MS Outline (1)

Stand Activity Schedule for

16 12N 17E

Strata	Stand	Activity	Acre	Est. Cost	Est. Revenue
<b>2015</b>					
1	2	Harvest, Mechanical, Final, Machine, Loblolly	59	\$2,065.00	\$45,430.00
4	9	Harvest, Mechanical, Final, Machine, Loblolly	6	\$210.00	\$4,620.00
4	10	Harvest, Mechanical, Final, Machine, Loblolly	3	\$105.00	\$2,310.00
Yearly Totals			68	\$2,380.00	\$52,360.00
<b>2016</b>					
1	2	Site Preparation, Chemical, Broadcast, Aerial, Combination	59	\$5,310.00	\$0.00
1	2	Site Preparation, Other, Burn, Hand, Debris	59	\$1,475.00	\$0.00
1	2	Regeneration, Artificial, Plant, Hand, Loblolly	59	\$5,015.00	\$0.00
3	1	Harvest, Mechanical, Thin, Machine, Misc Hardwood	98	\$3,430.00	\$18,130.00
4	9	Site Preparation, Chemical, Broadcast, Aerial, Combination	6	\$540.00	\$0.00
4	9	Site Preparation, Other, Burn, Hand, Debris	6	\$150.00	\$0.00
4	9	Regeneration, Artificial, Plant, Hand, Loblolly	6	\$510.00	\$0.00
4	10	Regeneration, Artificial, Plant, Hand, Loblolly	3	\$255.00	\$0.00
4	10	Site Preparation, Chemical, Broadcast, Aerial, Combination	3	\$270.00	\$0.00
4	10	Site Preparation, Other, Burn, Hand, Debris	3	\$75.00	\$0.00
Yearly Totals			302	\$17,030.00	\$18,130.00
<b>2017</b>					
3	6	Harvest, Mechanical, Final, Machine, Loblolly	55	\$1,925.00	\$24,750.00
4	12	Harvest, Mechanical, Final, Machine, Loblolly	29	\$1,015.00	\$27,840.00
Yearly Totals			84	\$2,940.00	\$52,590.00

Strata	Stand	Activity			Acre	Est. Cost	Est. Revenue
<b>2018</b>							
3	6	Site Improvement, Mechanical, Bed, Machine, Site Augmentation			55	\$8,250.00	\$0.00
3	6	Regeneration, Artificial, Plant, Hand, Loblolly			55	\$5,775.00	\$0.00
4	12	Regeneration, Artificial, Plant, Hand, Loblolly			29	\$3,045.00	\$0.00
Yearly Totals					139	\$17,070.00	\$0.00
<b>2019</b>							
3	6	Post Plant, Chemical, Broadcast, Aerial, Combination			55	\$4,675.00	\$0.00
3	7	Harvest, Mechanical, Final, Machine, Loblolly			12	\$420.00	\$5,520.00
3	15	Harvest, Mechanical, Final, Machine, Loblolly			76	\$2,660.00	\$38,380.00
4	11	Harvest, Mechanical, Final, Machine, Loblolly			20	\$700.00	\$18,000.00
4	12	Post Plant, Chemical, Broadcast, Hand, Combination			29	\$2,465.00	\$0.00
Yearly Totals					192	\$10,920.00	\$61,900.00
<b>2020</b>							
3	7	Regeneration, Artificial, Plant, Hand, Loblolly			12	\$1,260.00	\$0.00
3	7	Site Improvement, Mechanical, Bed, Machine, Site Augmentation			12	\$1,800.00	\$0.00
3	14	Harvest, Mechanical, Thin, Machine, Loblolly			107	\$3,745.00	\$19,795.00
3	15	Site Improvement, Mechanical, Bed, Machine, Site Augmentation			76	\$11,400.00	\$0.00
3	15	Regeneration, Artificial, Plant, Hand, Loblolly			76	\$7,980.00	\$0.00
4	11	Regeneration, Artificial, Plant, Hand, Loblolly			20	\$2,100.00	\$0.00
Yearly Totals					303	\$28,285.00	\$19,795.00
<b>2021</b>							
3	7	Post Plant, Chemical, Broadcast, Aerial, Combination			12	\$1,020.00	\$0.00
3	15	Post Plant, Chemical, Broadcast, Aerial, Woody			76	\$6,460.00	\$0.00
4	11	Post Plant, Chemical, Broadcast, Aerial, Combination			20	\$1,700.00	\$0.00

Strata	Stand	Activity	Acre	Est. Cost	Est. Revenue
		Yearly Totals	108	\$9,180.00	\$0.00
		<b>Grand Totals</b>	<b>1.196</b>	<b>\$87,805.00</b>	<b>\$204,775.00</b>