



Vision • Commitment • Pride

# FOREST STEWARDSHIP MANAGEMENT PLAN

Prepared For:  
Smith County Board of Education

Prepared By:  
Jared R. Bynum  
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\_T4N\_R8E**

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**MISSISSIPPI FORESTRY COMMISSION  
FOREST STEWARDSHIP MANAGEMENT PLAN**

**LANDOWNER INFORMATION**

Name: Smith County Board of Education  
Mailing Address: P.O. Box 308  
212 Sylvarena Ave.  
City, State, Zip: Raleigh, MS 39153  
Country: United States of America  
Contact Numbers: Home Number:  
Office Number: 601-782-4296  
Fax Number:  
E-mail Address: robert.miles@smithcountyschools.net  
Social Security Number (optional): 646001078

**FORESTER INFORMATION**

Name: Jared R. Bynum , Service Forester  
Forester Number: 01726  
Organization: MFC  
Street Address: P.O. Box 182  
505 Magnolia Drive  
City, State, Zip: Raleigh, MS 39153  
Contact Numbers: Office Number: 601-782-9471  
Fax Number: 601-782-4386  
E-mail Address: jbynum@mfc.state.ms.us

**PROPERTY LOCATION**

County: Smith    Total Acres: 667    Latitude: -89.48    Longitude: 32.19  
Section: 16    Township: 4N    Range: 8E

**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 temporarily 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 is a vital part of the Mississippi Forestry Commission's efforts in implementing the best forest management program possible on sixteenth section school trust lands in Smith County, Mississippi. This plan will serve as a guide for accomplishing the goals and objectives for this section. In addition to addressing 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 primary objective of placing sixteenth section lands under a forest management program is to produce as much revenue as possible for the Smith County School District. The primary goal is to produce high quality sawtimber. These efforts will be directed by regulating the forest resource 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 parcel consists of approximately one full section of land (667 acres) and is located in the north central part of Smith County, being more specifically located approximately one mile east of Lorena, Mississippi. Approximately 564 acres of the section is forested with the remaining 103 acres in pasture or cultivation. A couple of gravel roads intersect near the middle of the section. There are numerous surface leases and or residences which are along these roads, and a church and cemetery along the south east side of the road intersection.

*History*

Cultural treatments have been carried out on several parts of the section over the years. One of the oldest treatments was a timber sale on seventy-five (75) acres in the northwest 1/4 of the section in 1976. Other sales have been made since that time. Other improvements include fertilization of pine plantations followed by herbaceous weed control. Several miles of roads have been established and or maintained.

Part of the section had good established boundary lines, primarily due to the USFS boundary. The rest of the section was surveyed in 1999. Since that time, the boundary lines have been maintained. After the boundary survey was completed, a regeneration sale was made up to the boundary line in an area previously not recognized as part of the section, due to no boundary survey prior to that time.

*Recreation and Wildlife*

Hunting is the primary form of recreation taking place on this section. Due to its proximity to USFS, and also due to the diverse habitat, large numbers of game species can be found. All cultural practices should consider deer and other wildlife when implementing these practices, according to the featured species concept.

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**Problems**

The biggest problem associated with timber management on this section is surface leases. Several of these leases have questionable boundary descriptions or no boundary descriptions at all. These leases often have forested acreage under fence. Others are situated in such a way as to block access to timbered areas. These situations cause problems to timber management and removal.

Due to numerous surface leases, timber violations have been a problem in the past. More recently, these problems have subsided, but this section frequently requires monitoring for such violations.

*Water Resources*

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

*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. This property, however, is located adjacent to USFS property which is managed on a much older rotation cycle, which is more conducive to some threatened and endangered species.

*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*

A church and cemetery is located near the 4-way intersection of the two county roads on the section and is listed as stand 30 on the attached map. A small timber sale has been approved in this area, to make room for a church addition. If any other Archeological or Cultural resources are discovered anytime on the property, special management measures will be applied immediately in order to preserve these sensitive areas.

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## **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. Furthermore, forest roads and permanent firebreaks have been installed to help protect the site from destructive wildfires.

### 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. Future sales will require that Lessees take any measures necessary to prevent cattle from grazing on forested lands of sixteenth section, which will sometimes require the construction of new fences outside of the forested acres.

### Boundary Lines

It is the responsibility of the landowner to ensure that all property lines and boundaries are established. The Mississippi Forestry Commission will maintain these established boundary lines and will ensure that designated 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 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. Streamside Management Zones (SMZ) will be utilized where needed to help to protect and preserve these resources.

*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 any home sites, and silvicultural burning of pine stands to reduce understory competition, and other possible activities.

*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, if the Board of Education desired to do so.

*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.

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.

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*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*

The recreational use of the property proves to be an avenue for generating income for the schools, despite the lessee issues on the section. By continuing to manage the property for wildlife benefits as mentioned earlier in the plan, the property will become even more desirable for lease by deer hunting clubs, and others. Current recreational opportunities exist in the form of a hunting and fishing lease. As time goes on, and further forest improvements are made, this revenue should also increase.

## **SOIL TYPES**

*Providence*

The Providence component makes up 100 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 = 87. Longleaf Site Index = 73.

*Smithdale*

The Smithdale component makes up 100 percent of the map unit. Slopes are 8 to 12 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 4e. This soil does not meet hydric criteria. Loblolly Site Index = 86. Longleaf Site Index = 69. Slash Site Index = 85.

*Sweatman*

The Sweatman component makes up 100 percent of the map unit. Slopes are 2 to 5 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 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 3e. This soil does not meet hydric criteria. Loblolly Site Index = 83.



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**STRATA**

*Strata 1*

Strata Description

Strata 1 consists of stands 20 and 8, and contains 21 acres. This area was cut over after the section survey was completed. Prior to the survey being completed, this area was not considered as part of the section. This area was planted in 2004.

Strata Recommendations

These stands will be managed on a 35 to 40 year rotation. During this time frame, management activities such as thinnings, mid-rotation release, and prescribed burning to improve wildlife habitat will be used to keep stands at full production.

Activity Recommendations

Harvest

In 2020, these stands will be thinned by removing every 4th row where visible, or removing a row of stems at the proper distance to be approximately a 4th row removal for a corridor, and then remove stems in the remaining rows or areas by cutter selection method. The stands that remain should be 70 to 80 square feet of basal area. Stems removed by cutter selection method should be chosen first based on poor quality, form, and presence of disease.

*Strata 2*

Strata Description

Strata 2 consists of Stand 1 and contains 43 acres of pine plantation which was planted in 1998. The site was fertilized with a weed-n-feed blend in about 2000.

Strata Recommendations

This stand will be managed on a 35 to 40 year rotation. During this time frame, management activities such as thinnings, mid-rotation release, and prescribed burning to improve wildlife habitat will be used to keep the stand at full production.

Activity Recommendations

Harvest

This stand will be thinned for the first time in about FY 2014, and again in about FY 2020, based on the timber response from the first thinning. The first thinning will remove a 4th row, or approximate distance equal to the removal of a 4th row of timber, with cutter selection of the lower quality stems to achieve approximately 70 to 80 square feet of remaining basal area. The second thin will be cutter selection only.

Silvicultural Burning

Prescribed burning is recommended on the stand in this strata beginning in FY 2017, approximately 2 years after the first thinning, and should be repeated approximately

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every 3 to 4 years. Burning should be forgone on any year immediately following any thinning.

*Strata 3*

Strata Description

Strata 3 consists of stand 4, and is an 81 acre mature mixed sawtimber site.

Strata Recommendations

Most of the acreage in this strata is scheduled for harvest in 2012. A small area along the east side of the strata will be left as an SMZ for soil and water protection. Soon after harvest, in about FY 2014, the site will be site prepared and replanted.

The stand that replaces this harvested site will be managed on a 35 to 40 year rotation. During this time frame, management activities such as thinnings, mid-rotation release, and prescribed burning to improve wildlife habitat will be used to keep the stand at full production.

Activity Recommendations

Harvest

The stand in this strata will be harvested during the fall/winter of FY 2012. The timber to be harvested will be most likely be taken across the open field lease just to the west, and adjacent to this site.

Site Preparation

After harvesting operations are complete, and sufficient green up has taken place, the site will be chemically site prepared by aerial means, which will kill all living vegetation on the site to allow it to be burned prior to planting. Herbaceous chemicals will also be used in the tank mix to provide for herbaceous material control into next spring.

Site Preparation Burning

After the site preparation spraying is completed, and sufficient time has elapsed to allow the sprayed vegetation to die, the site will be burned for site preparation by hand. Burning of the dead vegetation and debris on the site will provide better access to the site for planting purposes.

Regeneration

After harvesting and site preparation activities are completed, the site will be hand planted with 2nd generation south Mississippi containerized loblolly pine seedlings at a rate of 605 per acre. Containerized planting is somewhat more expensive than traditional methods of planting, but has a higher normal survival rate, therefore fewer seedlings per acre are used. Containerized seedlings also can be planted earlier in the year.

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*Strata 4*

Strata Description

Strata 4 contains Stands 11, 13, and 16, and contains about 17 total acres. This area is actually part of Strata 5, discussed below, but was not thinned when the remainder of the strata was thinned.

Strata Recommendations

For the purposes of this plan, these stands will be called Strata 4 until such time as a first thinning is completed, and then the stands will become part of Strata 5 and will be managed with the recommendations set forth in Strata 5.

These stands will be sold for first thinning during FY12.

Activity Recommendations

Harvest

In 2012, these stands will be thinned by removing every 4th row where visible, or removing a row of stems at the proper distance to be approximately a 4th row removal for a corridor, and then remove stems in the remaining rows or areas by cutter selection method. The stands that remains should be 70 to 80 square feet of basal area.

Harvest

Around 2018, based on the on-site evaluation, the site will be thinned by a cutter selection method for a second time. The remaining stems should be 70-80 square feet of basal area.

Silvicultural Burning

Prescribed burning is recommended on the stands in this strata beginning in FY 2015, approximately 2 years after the first thinning, and should be repeated approximately every 3 to 4 years. Burning should be forgone on any year immediately following any thinning.

*Strata 5*

Strata Description

Strata 5 is made up of stands 6, 10, 12, 18, 23, 24, 25, 26, and 29 and totals 242 acres. It is a pine plantation approximately 17 years old, and was thinned in FY2010.

Strata Recommendations

These stands will be managed on a 35 to 40 year rotation. During this time frame, management activities such as thinnings, mid-rotation release, and prescribed burning to improve wildlife habitat will be used to keep stands at full production.

Activity Recommendations

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**Silvicultural Burning**

Prescribed burning is recommended on the stands in this strata beginning in FY 2012, approximately 2 years after the first thinning, and should be repeated approximately every 3 to 4 years. Burning should be forgone on any year immediately following any thinning.

**Harvest**

Around 2018, based on the on-site evaluation, the site will be thinned by a cutter selection method for a second time. The remaining stems should be 70-80 square feet of basal area. An on-site evaluation may determine that portions of this site may need to be thinned before 2018. The harvest may be split into two sales, to better facilitate the harvesting operation.

*Strata 7*

**Strata Description**

Strata 7 is made up of stands 15 and 27, and contains approximately 47 acres of mature mixed sawtimber.

**Strata Recommendations**

During this planning cycle, the majority of the area, about 40 acres, will be harvested, and will then be site prepared and replanted into a new forest. There will be no understory burning or other silvicultural practices on this site until the final harvest, due to the volume of upland and bottomland sawtimber. Care will also have to be taken to ensure no damage to the leased fields that are adjacent to this strata. The adjacent lessees have several acres of these stands under fence, with no lease on the land.

After regeneration, these stands will be managed on a 35 to 40 year rotation. During this time frame, management activities such as thinnings, mid-rotation release, and prescribed burning to improve wildlife habitat will be used to keep stands at full production.

**Activity Recommendations**

**Harvest**

In about 2017, a regeneration harvest will be conducted on the majority of this strata. Areas around any houses or other structures will be left to prevent the possibility of any stems causing damage to those adjacent structures. Areas not leased but under fence will be harvested as well, and will require board action to move fences to the current lease lines so that the newly planted forest will not be grazed by cattle.

**Site Preparation**

After harvesting operations are complete, and sufficient green up has taken place, the site will be chemically site prepared by aerial means, which will kill all living vegetation on the site to allow it to be burned prior to planting. Herbaceous chemicals will also be used in the tank mix to provide for herbaceous material control into next spring.

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Site Preparation Burning

After the site preparation spraying is completed, and sufficient time has elapsed to allow the sprayed vegetation to die, the site will be burned for site preparation by hand. Burning of the dead vegetation and debris on the site will provide better access to the site for planting purposes.

Regeneration

After harvesting and site preparation activities are completed, the site will be hand planted with 2nd generation south Mississippi containerized loblolly pine seedlings at a rate of 605 per acre. Containerized planting is somewhat more expensive than traditional methods of planting, but has a higher normal survival rate, therefore fewer seedlings per acre are used. Containerized seedlings also can be planted earlier in the year.

*Strata 8*

Strata Description

This strata is made up of stands 3, 14, and 21, and is a mature mixed timber stand and contains approximately 66 total acres.

Strata Recommendations

During this planning cycle, a regeneration sale will be conducted on this strata. Until the time of the harvest, no understory burning, or other silvicultural practices will be conducted on these stands because of the volume of upland hardwood present.

After regeneration, these stands will be managed on a 35 to 40 year rotation. During this time frame, management activities such as thinnings, mid-rotation release, and prescribed burning to improve wildlife habitat will be used to keep stands at full production.

Activity Recommendations

Harvest

In about 2021, a regeneration harvest will be conducted on the majority of this strata. Areas around the houses will be left to prevent the possibility of any stems causing damage to adjacent structures. In the years that follow this current plan, the area will be site prepared and regenerated.

*Strata 10*

Strata Description

This strata is a very wet area and is made up of stand 7, and contains 2 acres.

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Strata Recommendations

This strata will be managed as an SMZ for soil and water protection, and will be monitored only for the life of this plan.

*Strata 11*

Strata Description

The stands that make up this strata are 17 and 19, and consists of 14 acres, primarily of a naturally seeded hardwood thicket SMZ adjacent to pine plantations in Strata 5 and 4.

Strata Recommendations

The stands in this strata will be managed as an SMZ for soil and water protection, and will be monitored only during the life of this plan.

*Strata 20*

Strata Description

This strata is made up of 30 acres contained in stands 2 and 28, and is a naturally seeded pine plantation which was established around 2006.

Strata Recommendations

These stands will be managed on a 35 to 40 year rotation. During this time frame, management activities such as thinnings, mid-rotation release, and prescribed burning to improve wildlife habitat will be used to keep stands at full production.

These stands will need to be thinned pre-commercially by hand or machine in the near future, so the stand can develop into a merchantable stand to be thinned near the end of this planning cycle.

Activity Recommendations

Stand Improvement

In 2013, or near that time, the stands in this strata will be pre-commercially thinned by hand, using machete, brush-cutters, and chainsaws to remove unwanted stems, to bring the total trees per acre, and the quality of the remaining stems to what would traditionally be planted on a site.

**OTHER PLAN ACTIVITIES**

*Boundary Lines*

Line Description

This section has approximately 4 miles of boundary lines that are painted with "Orange" boundary line paint. The lines are maintained by periodically repainting the boundary.

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Activity Recommendations

Property Activities

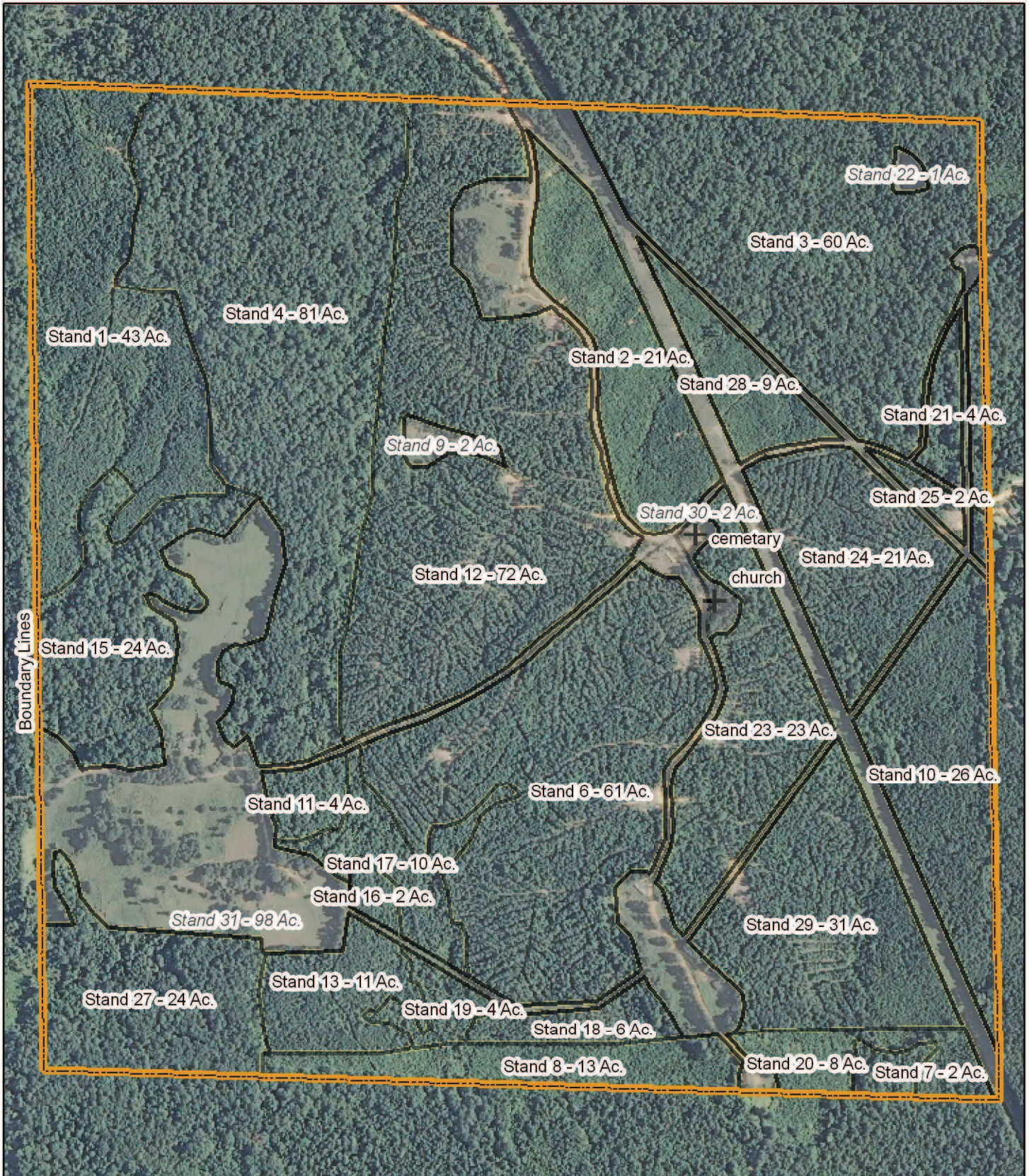
Routine inspections and general maintenance of the boundary lines will ensure overall appearance and aesthetics of the property. The boundary lines will be scheduled for repainting during FY 2016, and again in FY2022.



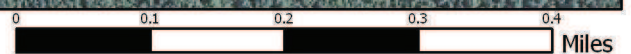


# Smith County Board of Education

Section 16, Township 4 North, Range 8 East  
Smith County, Mississippi  
2012-2021 planning period (667 Acres)



(12/12/2011)





# Section 16, Township 4 North, Range 8 East



## Property

- Property

## Category 1: Stands

- Pulpwood
- Reproduction
- Sawtimber

## Category 1: Stands (cont)

- Sub-Merchantable

## Category 3: Non-Forest Stands

- Non-Forest

## Restricted Sites

- Church/Cemetery

## MFC Basemap

### County Boundary

- County Boundary

### Quadrangle Grid

- USGS Quad

### PLS Townships

- PLS Townships

### Survey Districts

- District 2

### Blockgroup (Census 2000)

- Blockgroup (Census 2000)

### Block (Census 2000)

- Block (Census 2000)

### Tract/BNA (Census 2000)

- Tract/BNA (Census 2000)

### County Roads

- County Roads

### Transmission Lines

- Transmission Lines

### School Sections

- School Sections

### Public School Districts

- SMITH COUNTY SCHOOL DISTRICT

### US Congressional District

- US Cong Dist #3

### MS Senate

- 34

### MS House

- 79

### Perennial Streams

- Perennial Streams

### Intermittent Streams

- Intermittent Streams

### Hydrologic Units (Basins)

- UPPER LEAF RIVER

### Historic Forest Boundary

- Longleaf Pine with Loblolly Pine-Slash Pine

### MS Forest Habitat

- SOUTHERN LOAM HILLS-RUGGED TOPOGRAPHY

### Physiographic Region

- SOUTH CENTRAL HILLS

### Soil Associations

- smithdale-sweatman-providence

### Surface Geology

- FOREST HILL/RED BLUFF CLAY
- JACKSON GROUP

### USFS Ownership

- Forest Service

### USFS Boundary

- Bienville

### MFC Districts

- MFC Districts

### MFC Dispatch Units

- MFC Dispatch Units

### MS Outline

- MS Outline

Stand Activity Summary for  
Smith County Board of Education  
16 4N 8E

**Filters Applied:** County: Smith  
 Client Class: School Trust Land  
 District: South Central District  
 Client: Smith County Board of Ed  
 STR: 16 4N 8E  
 Activity:  
 Year: 2012 Through 2021

STR	Strata	Stand	Activity	Acre	Est. Cost	Est. Revenue
<b>2012</b>						
16 4N 8E	3	4	Harvest, Mechanical, Regeneration, Machine, Loblolly	63	\$2,205.00	\$129,697.47
16 4N 8E	4	11	Harvest, Mechanical, Thin, Machine, Loblolly	4	\$120.00	\$1,120.00
16 4N 8E	4	13	Harvest, Mechanical, Thin, Machine, Loblolly	11	\$339.90	\$3,172.40
16 4N 8E	4	16	Harvest, Mechanical, Thin, Machine, Loblolly	2	\$55.20	\$515.20
16 4N 8E	5	6	Wildlife Management, Other, Burn, Hand, Habitat Improvement	61	\$1,821.90	\$0.00
16 4N 8E	5	10	Wildlife Management, Other, Burn, Hand, Habitat Improvement	26	\$770.40	\$0.00
16 4N 8E	5	12	Wildlife Management, Other, Burn, Hand, Habitat Improvement	72	\$2,171.10	\$0.00
16 4N 8E	5	18	Wildlife Management, Other, Burn, Hand, Habitat Improvement	6	\$168.90	\$0.00
16 4N 8E	5	23	Wildlife Management, Other, Burn, Hand, Habitat Improvement	23	\$699.60	\$0.00
16 4N 8E	5	24	Wildlife Management, Other, Burn, Hand, Habitat Improvement	21	\$636.60	\$0.00
16 4N 8E	5	25	Wildlife Management, Other, Burn, Hand, Habitat Improvement	2	\$52.50	\$0.00
16 4N 8E	5	26	Wildlife Management, Other, Burn, Hand, Habitat Improvement	1	\$18.90	\$0.00
16 4N 8E	5	29	Wildlife Management, Other, Burn, Hand, Habitat Improvement	31	\$935.40	\$0.00
<b>Yearly Totals</b>				<b>323</b>	<b>\$9,995.40</b>	<b>\$134,505.07</b>
<b>2013</b>						
16 4N 8E	20	2	Stand Improvement, Mechanical, Pre-Commercial Thin, Machine, Loblolly	21	\$2,653.75	\$0.00
16 4N 8E	20	28	Stand Improvement, Mechanical, Pre-Commercial Thin, Machine, Loblolly	9	\$1,103.75	\$0.00
<b>Yearly Totals</b>				<b>30</b>	<b>\$3,757.50</b>	<b>\$0.00</b>

STR	Strata	Stand	Activity	Acre	Est. Cost	Est. Revenue
<b>2014</b>						
16 4N 8E	2	1	Harvest, Mechanical, 1st Thin, Machine, Loblolly	43	\$1,505.00	\$11,352.00
16 4N 8E	3	4	Regeneration, Artificial, Plant, Hand, Loblolly	63	\$5,985.00	\$0.00
16 4N 8E	3	4	Site Preparation, Other, Burn, Hand, Debris	63	\$1,575.00	\$0.00
16 4N 8E	3	4	Site Preparation, Chemical, Broadcast, Aerial, Combination	63	\$6,804.00	\$0.00
Yearly Totals				232	\$15,869.00	\$11,352.00
<b>2015</b>						
16 4N 8E	4	11	Wildlife Management, Other, Burn, Hand, Habitat Improvement	4	\$100.00	\$0.00
16 4N 8E	4	13	Wildlife Management, Other, Burn, Hand, Habitat Improvement	11	\$283.25	\$0.00
16 4N 8E	4	16	Wildlife Management, Other, Burn, Hand, Habitat Improvement	2	\$46.00	\$0.00
16 4N 8E	5	6	Wildlife Management, Other, Burn, Hand, Habitat Improvement	61	\$1,518.25	\$0.00
16 4N 8E	5	10	Wildlife Management, Other, Burn, Hand, Habitat Improvement	26	\$642.00	\$0.00
16 4N 8E	5	12	Wildlife Management, Other, Burn, Hand, Habitat Improvement	72	\$1,809.25	\$0.00
16 4N 8E	5	18	Wildlife Management, Other, Burn, Hand, Habitat Improvement	6	\$140.75	\$0.00
16 4N 8E	5	23	Wildlife Management, Other, Burn, Hand, Habitat Improvement	23	\$583.00	\$0.00
16 4N 8E	5	24	Wildlife Management, Other, Burn, Hand, Habitat Improvement	21	\$530.50	\$0.00
16 4N 8E	5	25	Wildlife Management, Other, Burn, Hand, Habitat Improvement	2	\$43.75	\$0.00
16 4N 8E	5	26	Wildlife Management, Other, Burn, Hand, Habitat Improvement	1	\$15.75	\$0.00
16 4N 8E	5	29	Wildlife Management, Other, Burn, Hand, Habitat Improvement	31	\$779.50	\$0.00
Yearly Totals				260	\$6,492.00	\$0.00
<b>2017</b>						
16 4N 8E	2	1	Wildlife Management, Other, Burn, Hand, Habitat Improvement	43	\$1,081.50	\$0.00
16 4N 8E	7	15	Harvest, Mechanical, Final, Machine, Loblolly	24	\$840.00	\$35,808.00
16 4N 8E	7	27	Harvest, Mechanical, Final, Machine, Loblolly	24	\$824.95	\$35,166.44

STR	Strata	Stand	Activity	Acre	Est. Cost	Est. Revenue
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			Yearly Totals	91	\$2,746.45	\$70,974.44
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## 2018

16 4N 8E	4	11	Harvest, Mechanical, Thin, Machine, Loblolly	4	\$140.00	\$1,320.00
16 4N 8E	4	13	Harvest, Mechanical, Thin, Machine, Loblolly	11	\$396.55	\$3,738.90
16 4N 8E	4	16	Harvest, Mechanical, Thin, Machine, Loblolly	2	\$64.40	\$607.20
16 4N 8E	5	6	Harvest, Mechanical, Thin, Machine, Loblolly	61	\$2,125.55	\$22,895.21
16 4N 8E	5	10	Harvest, Mechanical, Thin, Machine, Loblolly	26	\$898.80	\$9,681.36
16 4N 8E	5	12	Harvest, Mechanical, Thin, Machine, Loblolly	72	\$2,520.00	\$27,144.00
16 4N 8E	5	18	Harvest, Mechanical, Thin, Machine, Loblolly	6	\$197.05	\$2,122.51
16 4N 8E	5	23	Harvest, Mechanical, Thin, Machine, Loblolly	23	\$816.20	\$8,791.64
16 4N 8E	5	24	Harvest, Mechanical, Thin, Machine, Loblolly	21	\$742.70	\$7,999.94
16 4N 8E	5	25	Harvest, Mechanical, Thin, Machine, Loblolly	2	\$61.25	\$659.75
16 4N 8E	5	26	Harvest, Mechanical, Thin, Machine, Loblolly	1	\$22.05	\$237.51
16 4N 8E	5	29	Harvest, Mechanical, Thin, Machine, Loblolly	31	\$1,091.30	\$11,754.86

			Yearly Totals	259	\$9,075.85	\$96,952.88
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## 2019

16 4N 8E	7	15	Site Preparation, Other, Burn, Hand, Debris	24	\$596.75	\$0.00
16 4N 8E	7	15	Regeneration, Artificial, Plant, Hand, Loblolly	24	\$3,222.45	\$0.00
16 4N 8E	7	15	Site Preparation, Chemical, Broadcast, Aerial, Combination	24	\$2,387.00	\$0.00
16 4N 8E	7	27	Regeneration, Artificial, Plant, Hand, Loblolly	24	\$3,181.95	\$0.00
16 4N 8E	7	27	Site Preparation, Chemical, Broadcast, Aerial, Combination	24	\$2,357.00	\$0.00
16 4N 8E	7	27	Site Preparation, Other, Burn, Hand, Debris	24	\$589.25	\$0.00

			Yearly Totals	142	\$12,334.40	\$0.00
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## 2020

STR	Strata	Stand	Activity	Acre	Est. Cost	Est. Revenue
16 4N 8E	1	8	Harvest, Mechanical, Thin, Machine, Loblolly	13	\$449.75	\$3,032.60
16 4N 8E	1	20	Harvest, Mechanical, Thin, Machine, Loblolly	8	\$280.00	\$1,888.00
16 4N 8E	2	1	Wildlife Management, Other, Burn, Hand, Habitat Improvement	43	\$1,081.50	\$0.00
16 4N 8E	4	11	Wildlife Management, Other, Burn, Hand, Habitat Improvement	4	\$100.00	\$0.00
16 4N 8E	4	13	Wildlife Management, Other, Burn, Hand, Habitat Improvement	11	\$283.25	\$0.00
16 4N 8E	4	16	Wildlife Management, Other, Burn, Hand, Habitat Improvement	2	\$46.00	\$0.00
16 4N 8E	5	6	Wildlife Management, Other, Burn, Hand, Habitat Improvement	61	\$1,518.25	\$0.00
16 4N 8E	5	10	Wildlife Management, Other, Burn, Hand, Habitat Improvement	26	\$642.00	\$0.00
16 4N 8E	5	12	Wildlife Management, Other, Burn, Hand, Habitat Improvement	72	\$1,809.25	\$0.00
16 4N 8E	5	18	Wildlife Management, Other, Burn, Hand, Habitat Improvement	6	\$140.75	\$0.00
16 4N 8E	5	23	Wildlife Management, Other, Burn, Hand, Habitat Improvement	23	\$583.00	\$0.00
16 4N 8E	5	24	Wildlife Management, Other, Burn, Hand, Habitat Improvement	21	\$530.50	\$0.00
16 4N 8E	5	25	Wildlife Management, Other, Burn, Hand, Habitat Improvement	2	\$43.75	\$0.00
16 4N 8E	5	26	Wildlife Management, Other, Burn, Hand, Habitat Improvement	1	\$15.75	\$0.00
16 4N 8E	5	29	Wildlife Management, Other, Burn, Hand, Habitat Improvement	31	\$779.50	\$0.00

<b>Yearly Totals</b>	<b>324</b>	<b>\$8,303.25</b>	<b>\$4,920.60</b>
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**2021**

16 4N 8E	2	1	Harvest, Mechanical, Thin, Machine, Loblolly	43	\$1,505.00	\$14,706.00
16 4N 8E	8	3	Harvest, Mechanical, Final, Machine, Loblolly	60	\$2,100.00	\$93,120.00
16 4N 8E	8	14	Harvest, Mechanical, Final, Machine, Loblolly	3	\$91.00	\$4,035.20
16 4N 8E	8	21	Harvest, Mechanical, Final, Machine, Loblolly	4	\$124.95	\$5,540.64

<b>Yearly Totals</b>	<b>109</b>	<b>\$3,820.95</b>	<b>\$117,401.84</b>
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<b>Grand Totals</b>	<b>1,770</b>	<b>\$72,394.80</b>	<b>\$436,106.83</b>
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