



Vision • Commitment • Pride

# FOREST STEWARDSHIP MANAGEMENT PLAN

Prepared For:  
Lawrence Board of Education

Prepared By:  
Steven J. Williams  
M.F.C.

Time Period Covered by This Plan:  
2012 - 2021

Date Plan Prepared:  
2012-01-24

Plan Type:  
Stewardship / Stewardship

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

**Property Name: S16 T9N R21W**

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MISSISSIPPI FORESTRY COMMISSION  
FOREST STEWARDSHIP MANAGEMENT PLAN

**LANDOWNER INFORMATION**

Organization: Lawrence Board of Education  
Name: Lawrence Board of Education  
Mailing Address: 346 Thomas E.  
Jolly Dr.  
City, State, Zip: Monticello, MS 39654  
Country: United States of America  
Contact Numbers: Home Number:  
Office Number: 601-587-2506  
Fax Number:  
E-mail Address:  
Social Security Number (optional):

**FORESTER INFORMATION**

Name: Steven J. Williams , Service Forester  
Forester Number: 02085  
Organization: M.F.C.  
Street Address: P.O. Box 374  
City, State, Zip: Monticello, MS 39654  
Contact Numbers: Office Number: 601-587-7515  
Fax Number:  
E-mail Address:

**PROPERTY LOCATION**

County: Lawrence Total Acres: 322 Latitude: -90.12 Longitude: 31.75  
Section: 16 Township: 9N Range: 21W

**DISCLAIMER**

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

**INTRODUCTION**

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

## OBJECTIVES

### *Timber Production*

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

### *Wildlife Management - General*

The goal is to provide a diversity of habitats suitable for a variety of game and non-game wildlife species. Habitat management will focus on developing a variety of food, cover, water, and space. This will be accomplished by establishing and maintaining access roads and firelanes, providing openings within the forest, and the management of trees located within the Streamside Management Zone.

## PROPERTY DESCRIPTION

### *General Property Information*

This is a partial school section located on the Pearl River in the Pokal community of Lawrence county. **Note access is limited to this section.**

### *Archeological and Cultural Resources*

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

No Archeological or Cultural resources were identified during a reconnaissance of the property. However, if Archeological or Cultural resources are discovered anytime on the property special management measures will be applied immediately in order to preserve these sensitive areas.

### *Water Resources*

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.

*Interaction with Surrounding Property*

Prescribed practices should be carried out in a manner that will minimize adverse impacts on surrounding properties. Consideration should be given to potential air, water, visual, and other impacts. In addition, practices carried out should have positive effects on the surrounding community such as improved wildlife habitat and soil stabilization.

*Soils General*

Soils were evaluated on the property to determine the suitability of the site for the proposed activities. Forest practices were planned so as to minimize erosion or other adverse effects on the soil. The following soils are identified for this property:

## **GENERAL PROPERTY RECOMMENDATIONS**

*Forest Protection*

A healthy 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 been degraded, damaged, or destroyed. A reconnaissance of the property has been conducted and no ecological restoration activities are recommended at this time.

### *Wildlife Mgt. Target Species*

The objective of this practice is to provide habitat best suited for the featured or target species. Habitat management will focus on providing food, cover, water, and space to facilitate the target species.

### *Environmental Education*

Environmental educational goals are to provide educational opportunities for children and adults through the development of items such as nature trails with tree identification markers, wildlife viewing areas, picnic areas, parking, public restroom facilities.

### *Wildlife Management General*

The goal is to provide a diversity of habitats suited for a variety of game and non-game wildlife species. Habitat management will focus on providing a variety of food, cover, water, and space. This will be accomplished, in part, by establishing and maintaining

access roads and firelanes, providing openings within the forest, and leaving mast producing and den trees.

#### *Timber Management*

Timber management goals for this property are to manage timber resources in such a manner as to maximize timber production throughout the life of the stand.

#### *Recreation*

According to landowner objectives the recreational use of the property could prove to be an avenue for personal enjoyment or for generating income. An evaluation of your property should be conducted and a plan developed to accomplish your specific goals for recreational activities on your property.

## SOIL TYPES

### *Jena*

The Jena component makes up 57 percent of the map unit. Slopes are 0 to 2 percent. This component is on natural levees. The parent material consists of loamy alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is moderate. Shrink-swell potential is low. This soil is frequently 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 5w. This soil does not meet hydric criteria. Generated brief soil descriptions are created for major components. The Alaga soil is a minor component.

### *Nugent*

The Nugent component makes up 85 percent of the map unit. Slopes are 0 to 2 percent. This component is on natural levees. The parent material consists of sandy alluvium deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is excessively drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches is moderate. Shrink-swell potential is low. This soil is frequently flooded. It is not ponded. A seasonal zone of water saturation is at 57 inches during January, February, March, April. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 5w. This soil does not meet hydric criteria. Loblolly Site Index = 90. Slash Site Index = 90.

### *Velda*

The Velda 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 deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is very high. Shrink-swell potential is low. This soil is occasionally 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 2w. This soil does not meet hydric criteria. Loblolly Site Index = 98.

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*Water*

Generated brief soil descriptions are created for major soil components. The Water area is a miscellaneous area.

*Rosebloom*

The Rosebloom 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 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 high. Shrink-swell potential is low. This soil is frequently flooded. It is not ponded. A seasonal zone of water saturation is at 6 inches during January, February, March. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 5w. This soil meets hydric criteria.

*Cadeville*

The Cadeville component makes up 63 percent of the map unit. Slopes are 20 to 30 percent. This component is on coastal plains. The parent material consists of clayey fluviomarine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is 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. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria.

The Freestone component makes up 15 percent of the map unit. Slopes are 5 to 8 percent. This component is on terraces. The parent material consists of loamy over clayey alluvium deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately 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 24 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.

## STANDS

*Stand Pulpwood (S#3)*

Stand Description

This is a planted pine plantation that is 15-16 years old containing 58 acres.

Stand Recommendations

This stand will be managed as a pine stand on a 35 to 40 year rotation, and will be regenerated back into pine following the final harvest.

Activity Recommendations



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Harvest

This stand has a scheduled thin for the year 2013. A mechanical corridor thin will be used, with the remaining basal area around 70.

*Stand Pulpwood (S#7)*

Stand Description

This is a pine plantation. Age of this stand is from 14-15 years. Basal area is 120 and stand acreage being 7.

Stand Recommendations

This stand will be managed as a pine stand on a 35 to 40 year rotation, and will be regenerated back into pine following the final harvest.

Activity Recommendations

Harvest

This stand has a scheduled thin for the year 2013. A mechanical corridor thin will be used, with the remaining basal area around 70.

*Stand Pulpwood (S#9)*

Stand Description

This is a 14-16 year old pine plantation containing 16 acres.

Stand Recommendations

This stand will be managed as a pine stand on a 35 to 40 year rotation, and will be regenerated back into pine following the final harvest.

Activity Recommendations

Harvest

This stand has a scheduled thin for the year 2013. A mechanical corridor thin will be used, with the remaining basal area around 70.

*Stand Reproduction (S#18)*

Stand Description

This is a five year old planted oak site, which has adequate stocking consisting of 2 acres.

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Stand Recommendations

This is a hardwood stand now and I recommend that it goes back into hardwood after final harvest.

Activity Recommendations

Technical

Evaluate the stand in 2021 to determine if it needs thinning .

*Stand Reproduction (S#27)*

Stand Description

This stand is a 13-14 year old various mix of hardwood ( Mainly sweet gums).Consisting of 18 acres.

Stand Recommendations

This is a hardwood stand now and I recommend that it goes back into hardwood after final harvest.

Activity Recommendations

Technical

Evaluate the stand in 2021 to determine if it needs thinning .

*Stand Reproduction (S#29)*

Stand Description

This stand is a 13-14 year old various mix of hardwood ( Mainly sweet gums). Consisting of 4 acres.

Stand Recommendations

This is a hardwood stand now and I recommend that it goes back into hardwood after final harvest.

Activity Recommendations

Technical

Evaluate the stand in 2021 to determine if it needs thinning .

*Stand Sawtimber (S#32)*

Stand Description

This is a mature stand of mixed pine,hardwood sawtimber for the most part. A good part of this stand contains backwater from river flooding. This being the case harvesting and

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reforestation will be limited to applicable areas. Note not all of the stand will be harvested. This stand is 188 acres.

**Stand Recommendations**

This is a mixed pine hardwood stand now and I recommend that it goes back into hardwood after final harvest.

**Activity Recommendations**

**Harvest**

This stand is scheduled for a regeneration cut in 2013.

**Regeneration**

Once this stand has been liquidated there will be a chemical site prep and replanting of various hardwoods in year 2012.

*Stand Reproduction (S#34)*

**Stand Description**

This stand is a 13-14 year various mix of hardwood ( Mainly sweet gums). Consisting of 5 acres.

**Stand Recommendations**

This is a hardwood stand now and I recommend that it goes back into hardwood after final harvest.

**Activity Recommendations**

**Technical**

Evaluate the stand in 2021 to determine if it needs thinning . This was put in because of the thick stand of sweet gums that is effecting the diameters of the crop species.

**OTHER PLAN ACTIVITIES**

*Boundary Lines*

**Line Description**

Boundary lines have been established and are painted in orange paint.

**Line Recommendations**

Boundary lines should be repainted every four years.

**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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## Legend 16-9-21

### Property

Property (1)

### Category 1: Stands

Pulpwood (3)  
 Reproduction (4)  
 Sawtimber (1)

### Category 3: Non-Forest Stands

Non-Forest (3)

### Property Roads/Trails

Access Road (1)

### Boundary Lines

Property (1)

### Management Compartment

Regeneration (1)

### Utilities (Lines)

Gas Line (1)

## MFC Basemap

### County Boundary

County Boundary (2)

### Quadrangle Grid

USGS Quad (3)

### PLS Townships

PLS Townships (3)

### Survey Districts

District 4 (1)  
 District 5 (2)

### Blockgroup (Census 2000)

Blockgroup (Census 2000) (3)

### Block (Census 2000)

Block (Census 2000) (5)

### Tract/BNA (Census 2000)

Tract/BNA (Census 2000) (3)

### School Sections

School Sections (2)

### Public School Districts

LAWRENCE COUNTY SCHOOL DIST (2)  
 SIMPSON COUNTY SCHOOL DISTRICT (1)

### US Congressional District

US Cong Dist #3 (2)

### MS Senate

39 (2)

### MS House

91 (2)

### Major River

Major River (2)

### Perennial Streams

Perennial Streams (11)

### Hydrologic Units (Basins)

MIDDLE PEARL RIVER (2)

### Historic Forest Boundary

Longleaf Pine with Loblolly Pine-Slash Pine (2)

### MS Forest Habitat

SOUTHERN LOAM HILLS-RUGGED TOPOGRAPHY (2)

### Physiographic Region

SOUTH CENTRAL HILLS (2)

### Soil Associations

jena-mantachie-kirkville (2)  
 cadeville-providence-falkner (2)

### Surface Geology

PASCAGOULA/HATTIESBURG (3)  
 CATAHOULA (1)

### MFC Districts

MFC Districts (2)

### MFC Dispatch Units

MFC Dispatch Units (1)

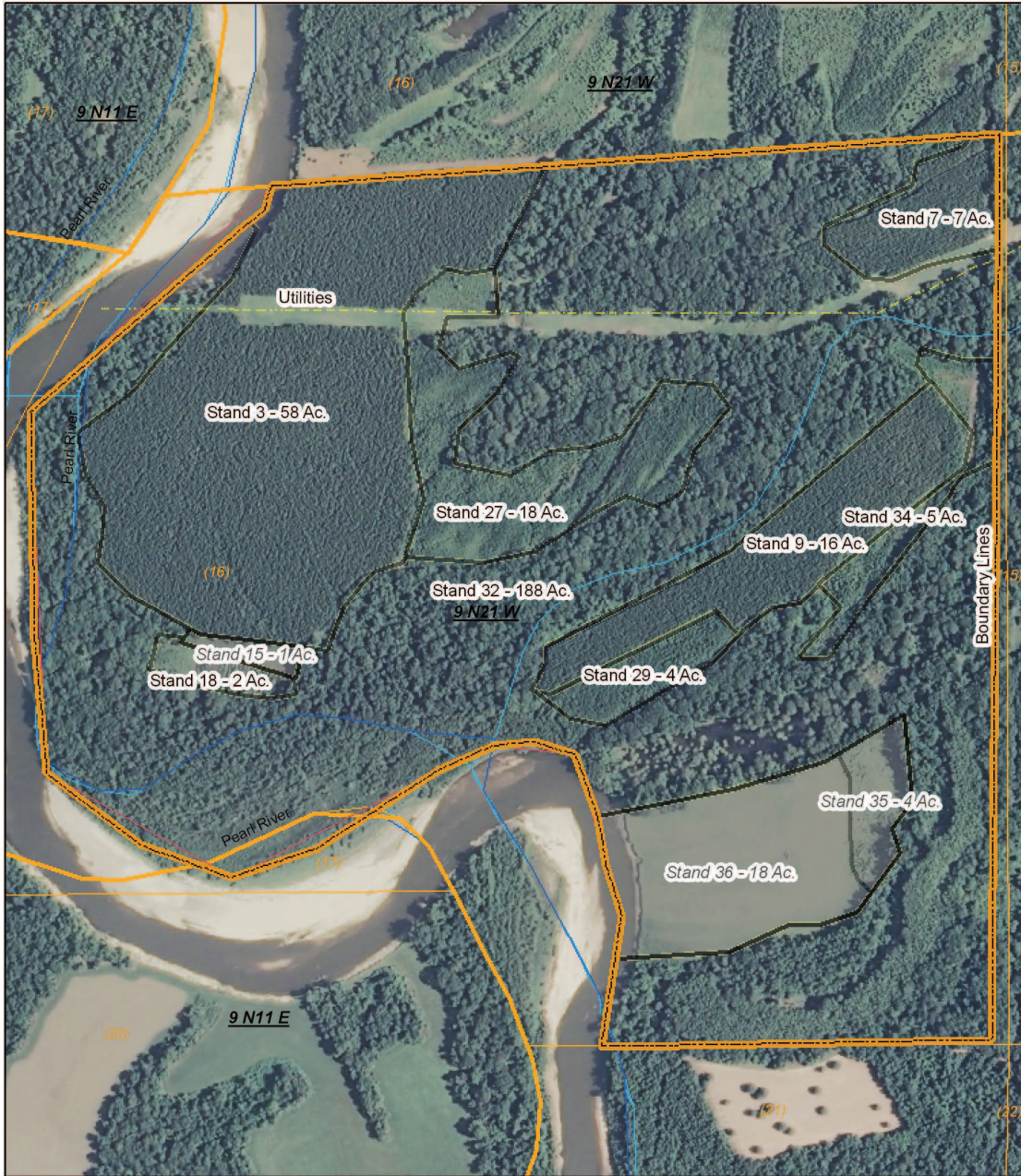
### MS Outline

MS Outline (1)



# Lawrence Cty BOE

S16 T9N R21W Pokal  
2012 to 2021  
321.92 Acres



(02/03/2012)

0 0.1 0.2 0.3 0.4 Miles

Stand Activity Summary for  
Lawrence Board of Education  
16 9N 21W

**Filters Applied:** County: Lawrence  
Client Class: School Trust Land  
District: Southwest District  
Client: Lawrence Board of Educat  
STR: 16 9N 21W  
Activity:  
Year: 2012 Through 2021

STR	Strata	Stand	Activity	Acre	Est. Cost	Est. Revenue
<b>2013</b>						
16 9N 21W	1	32	Harvest, Mechanical, Final, Machine, Loblolly	188	\$6,580.00	\$248,545.40
16 9N 21W	2	3	Harvest, Mechanical, Thin, Machine, Loblolly	58	\$1,450.00	\$52,834.52
16 9N 21W	2	7	Harvest, Mechanical, Thin, Machine, Loblolly	7	\$210.00	\$6,376.58
16 9N 21W	2	9	Harvest, Mechanical, Thin, Machine, Loblolly	16	\$480.00	\$14,575.04
Yearly Totals				269	\$8,720.00	\$322,331.54
<b>2018</b>						
16 9N 21W	3	18	Technical, Maintain, Update, Hand, Management Plan	2	\$2.00	\$0.00
16 9N 21W	3	27	Technical, Maintain, Update, Hand, Management Plan	18	\$18.00	\$0.00
16 9N 21W	3	29	Technical, Maintain, Update, Hand, Management Plan	4	\$4.00	\$0.00
16 9N 21W	3	34	Technical, Maintain, Update, Hand, Management Plan	5	\$5.00	\$0.00
Yearly Totals				29	\$29.00	\$0.00
<b>Grand Totals</b>				<b>298</b>	<b>\$8,749.00</b>	<b>\$322,331.54</b>