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# FOREST STEWARDSHIP MANAGEMENT PLAN

Prepared For:  
Greene County BOE

Prepared By:  
James Shumpert  
MS Forestry Commission

Time Period Covered by This Plan:  
2012 - 2021

Date Plan Prepared:  
2012-02-17

Plan Type:  
Stewardship / Stewardship

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

**Property Name: S03 - T2N - R8W**

MISSISSIPPI FOREST STEWARDSHIP PROGRAM

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**MISSISSIPPI FORESTRY COMMISSION  
FOREST STEWARDSHIP MANAGEMENT PLAN**

**LANDOWNER INFORMATION**

Name: Greene County BOE  
Mailing Address: 528 West Oak Street  
City, State, Zip: Leakesville, MS 39451  
Country: United States of America  
Contact Numbers: Home Number:  
Office Number: 601-394-2364  
Fax Number: 601-394-5542  
  
E-mail Address:  
Social Security Number (optional): 646000392

**FORESTER INFORMATION**

Name: James Shumpert , Service Forester  
Forester Number: 02470  
Organization: MS Forestry Commission  
Street Address: P.O. Box 428  
City, State, Zip: Leakesville , MS 39451  
Contact Numbers: Office Number: 601-394-2785  
Fax Number: 601-947-2947  
  
E-mail Address: jshumpert@mfc.state.ms.us

**PROPERTY LOCATION**

County: Greene    Total Acres: 63    Latitude: -88.78    Longitude: 31.16  
Section: 3    Township: 2N    Range: 8W

**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.

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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.

*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 section is located in the Neely Community of Greene County and is accessed by the Sand Ridge Road. There is one woods road that is accessed from the north end of the section via Sand Ridge Road. The woods road runs south through the property to Bear Branch, a perennial stream at the southern boundary of the property.

The section is comprised of an area that is poorly stocked on the north end, with deep sandy soils. The rest of this section is comprised of a natural stand of loblolly pulpwood with one hardwood drain flowing through it at the south end of the property. These areas represent a total of  $\pm 62$  forested acres in timber management. In addition, this section has  $\pm 1$  non-forested acres with no forest management activities planned.

The soils in this stand are sandy loam in nature.

*Water Resources*

Bear Branch flows through this section from east to west. Perennial and intermittent streams and drains identified will be managed in accordance with Mississippi's Best Management Practices.

*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 managements measures will be applied immediately in order preserve these sensitive areas.

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### *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*

The property was evaluated for the presence of threatened and endangered (T&E) species. Evidence of gopher tortoises was found on portions of this property. A more intense survey should be conducted to identify all gopher tortoise burrows within the boundaries of the property. Management activities should be designed and implemented to protect this species where the tortoise burrows are found.

### *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 soils on this section range from deep sandy soils to sandy loam soils.

## 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.

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### 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.

### Cogongrass Control

Cogongrass is present on every School Trust section in Greene County. While it appears that total eradication of this invasive species is impossible, every precaution must be made to prevent further spread. Treatment costs for cogongrass control are not addressed in the activities portion of this plan due to the uncertainty of the extent of cogongrass infestation on each section. An assessment is now being made to determine the best way to treat this problem.

### *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.

### *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.

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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*

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.

## **STANDS**

*1-2-NS-U (5 Acres)*

**Stand Description**

The stand contains a few scattered pine sawtimber and pine pulpwood trees along with a mixture of scrub oaks. The stand is classified as under stocked or non-stocked with very sandy and poor soils.

**Stand Recommendations**

Due to the small acres involved, it is recommended that the stand be left as is until the adjacent stand has a final harvest conducted on it, and then this stand should be cut and replanted at the same time as the adjacent stand, creating one new stand.

*3-2-NS-U (2 Acres)*

**Stand Description**

The stand contains a few scattered pine sawtimber and pine pulpwood trees along with a mixture of scrub oaks. The stand is classified as under stocked or non-stocked with very sandy and poor soils.

**Stand Recommendations**

Due to the small acres involved, it is recommended that the stand be left as is until the adjacent stand has a final harvest conducted on it, and then this stand should be cut and replanted at the same time as the adjacent stand, creating one new stand.

*4-3-P-PW-21-U (48 Acres)*

**Stand Description**

The stand was originated in 1990 and consists of natural loblolly pine with hardwood brush and undesirable hardwood trees in the understory.

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**Stand Recommendations**

The stand is recommended to have a corridor thin, creating 10 foot strips every 40 feet, with an operator select harvest within the 40 foot left rows in 2016.

**Activity Recommendations**

**Harvest**

The stand should be thinned in 2016 to remove the suppressed, damaged, and diseased trees to increase the growth of the residuals trees.

*5-3-P-PW-21-U (3 Acres)*

**Stand Description**

The stand was originated in 1990 and consists of natural loblolly pine with hardwood brush and undesirable hardwood trees in the understory.

**Stand Recommendations**

The stand is recommended to have a corridor thin, creating 10 foot strips every 40 feet, with an operator select harvest within the 40 foot left rows in 2016.

**Activity Recommendations**

**Harvest**

The stand should be thinned in 2016 to remove the suppressed, damaged, and diseased trees to increase the growth of the residuals trees.

*6-1-H-PW-33-B (5 Acres)*

**Stand Description**

The stand is made up of small creeks and drains, which will be managed as a Streamside Management Zone (SMZ). The timber type is primarily hardwood pulpwood with some scattered slash pine sawtimber mixed in. The primary species of hardwood are sweet bay, black gum, red maple, yellow poplar, beech, magnolia, and water oak.

**Stand Recommendations**

The stand should have all merchantable pine that is over mature, damaged, suppress, and diseased marked to be remove when the adjacent stand's harvest is conduct. The basal area will be reduce to no lower than 55 so it will open the tree canopy and increase the diameter and height of the remaining timber. All Mississippi's Best Management Practices (BMP's) will be followed when harvest is conducted.

The stand is recommended to be managed as a corridor to provide wildlife species food and cover, and to preserve water quality.



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**OTHER PLAN ACTIVITIES**

*Boundary Lines*

Line Recommendations

The section's boundary lines are well established and recommended to be maintained on a five year rotation.

Activity Recommendations

Property Activities

The boundary line will be painted in 2014, 2019, and will be maintained on a 5 year cycle. Routine inspections and general maintenance of the boundary lines will ensure overall appearance and aesthetics of the property.

*Property Roads/Trails*

Line Recommendations

The section's woods roads will be maintained on a 5 year rotation in conjunction with the boundary line maintenance unless there are erosion issues that need to be addressed.

Activity Recommendations

Roads

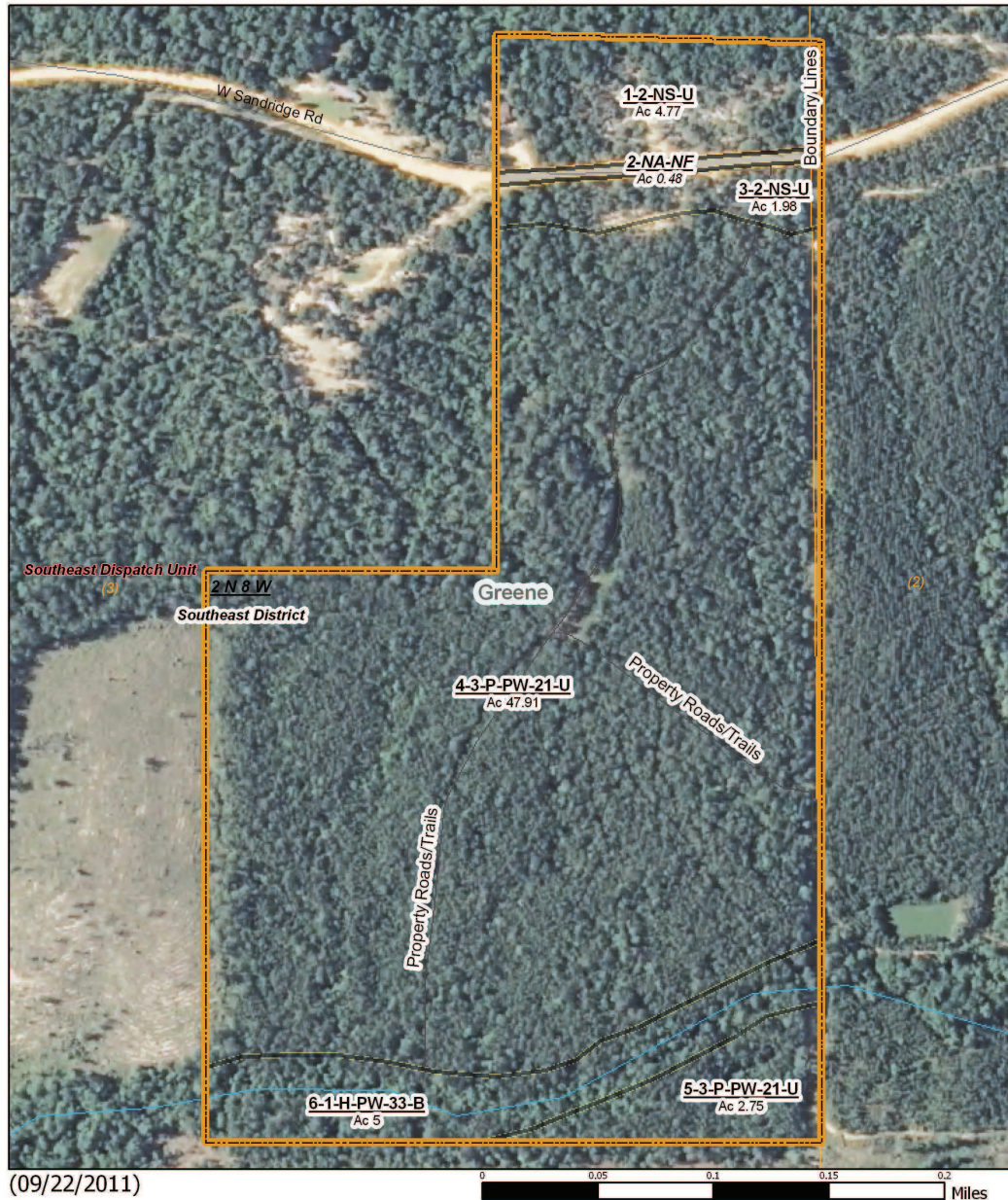
The woods roads will be sustained in 2014, 2019, and will be maintained on a 5 year cycle. Routine inspections and general maintenance of the roads will ensure overall appearance and aesthetics of the property.

# Map1



## **Section 03, Township 02 North, Range 08 West**

Sand Ridge Road  
2012 to 2021  
62.89 Acres

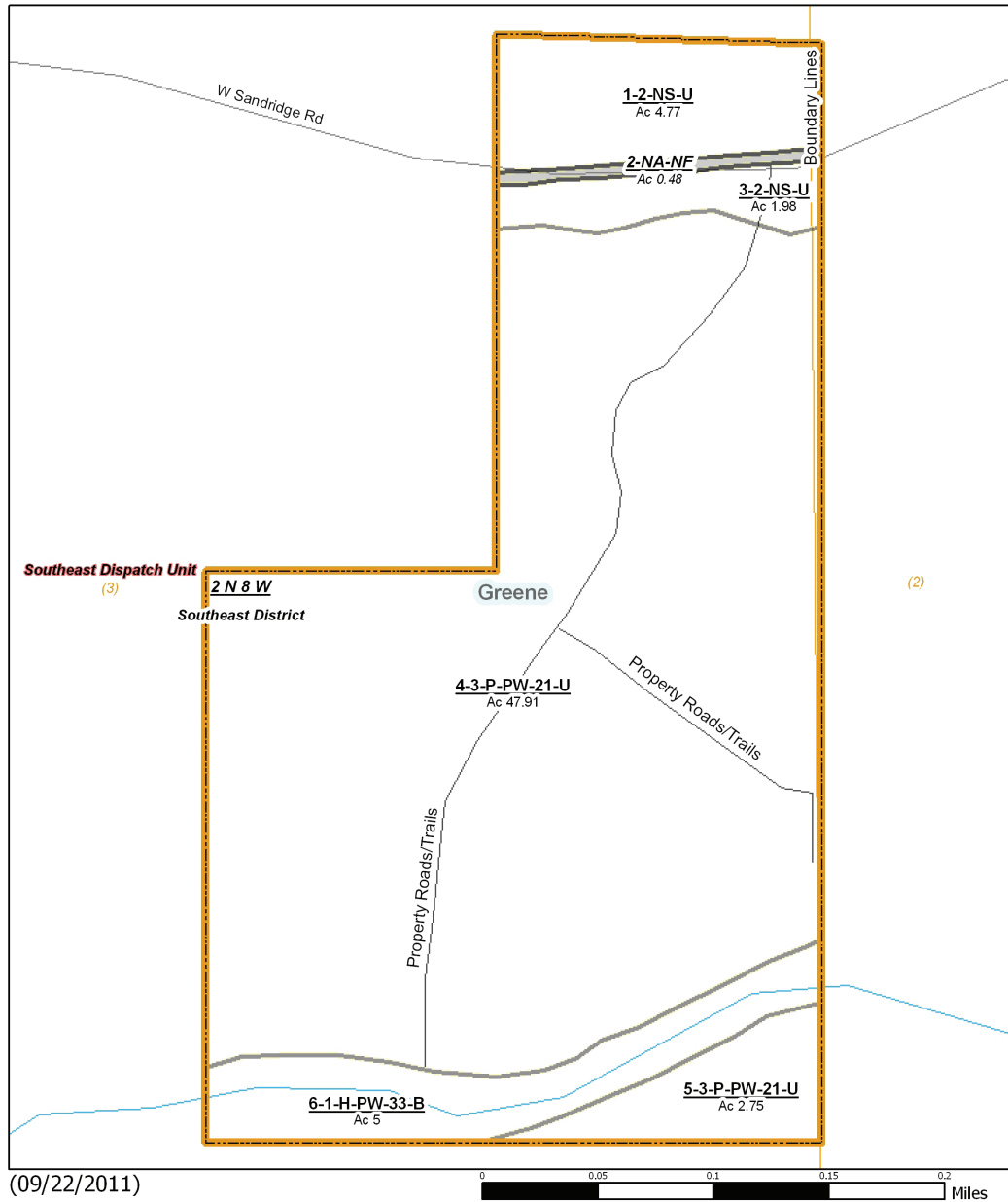


## Map 2



### **Section 03, Township 02 North, Range 08 West**

Sand Ridge Road  
2012 to 2021  
62.89 Acres



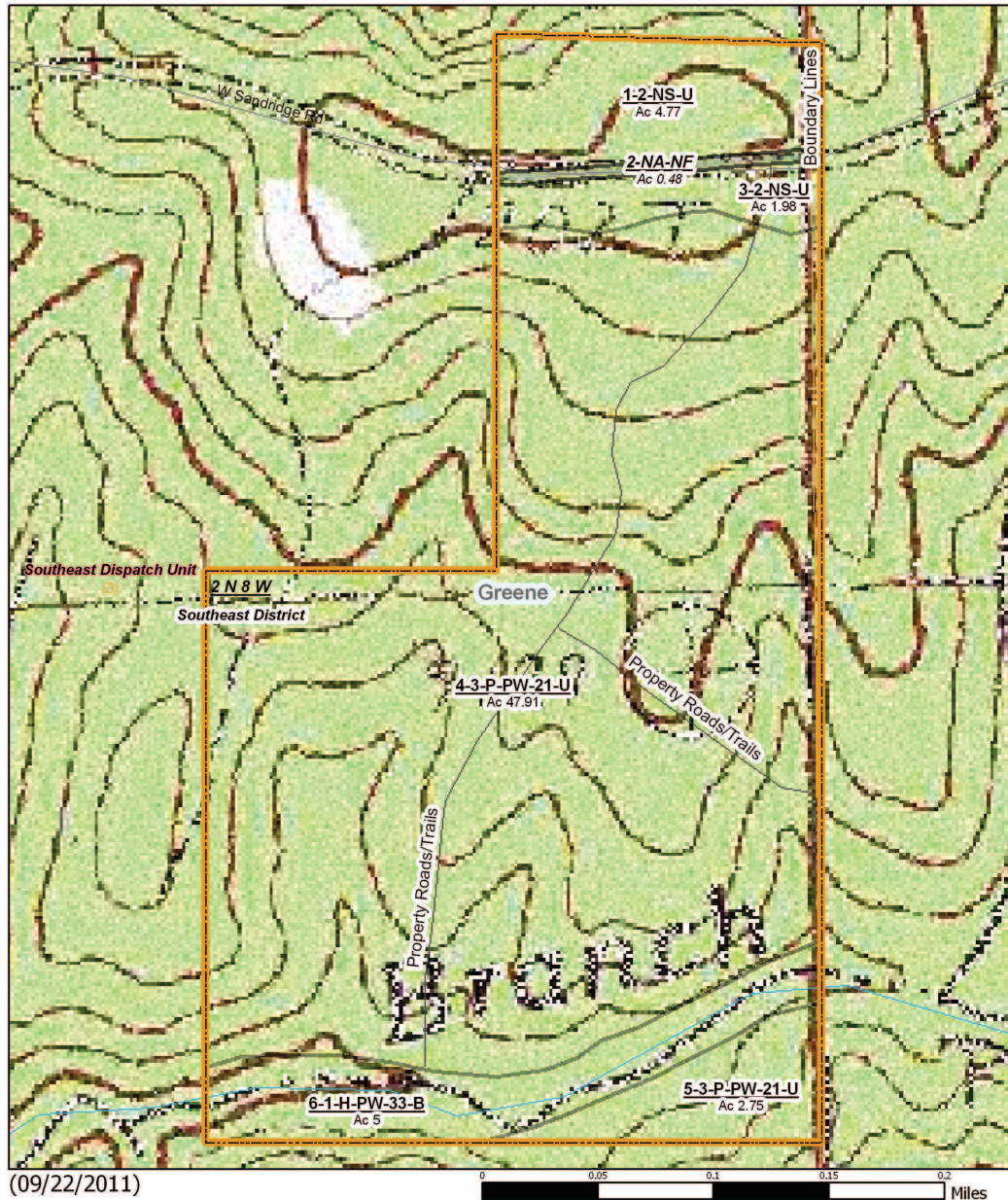


# Map 3



## Section 03, Township 02 North, Range 08 West

Sand Ridge Road  
2012 to 2021  
62.89 Acres




## Legend





### Section 03, Township 02 North, Range 08 West


#### Property

 Property (1)


#### Category 1: Stands

 Non-Stocked (2)  
 Pulpwood (3)

#### Category 3: Non-Forest Stands


 Non-Forest (1)

#### Property Roads/Trails


 Access Road (2)

### MFC Basemap


#### County Boundary

 County Boundary (1)


#### Quadrangle Grid

 USGS Quad (1)


#### PLS Townships

 PLS Townships (1)


#### Survey Districts

 District 5 (1)


#### Blockgroup (Census 2000)

 Blockgroup (Census 2000) (2)


#### Block (Census 2000)

 Block (Census 2000) (2)


#### Tract/BNR (Census 2000)

 Tract/BNR (Census 2000) (2)


#### County Roads

 County Roads (1)

#### Public School Districts

 GREENE COUNTY SCHOOL DISTRICT (1)

#### US Congressional District

 US Cong Dist #4 (1)


#### MS Senate

 43 (1)


#### MS House

 105 (1)


#### Perennial Streams

 Perennial Streams (1)


#### Hydrologic Units (Basins)

 LOWER LEAF RIVER (1)


#### Historic Forest Boundary

 Longleaf Pine with Loblolly Pine-Slash Pine (1)


#### MS Forest Habitat

 SOUTHERN CLAY HILLS (1)


#### Physiographic Region

 Pine Belt (1)


#### Soil Associations

 susquehanna-benndale-dorovan (1)


#### Surface Geology

 PASCAGOULA/HATTIESBURG (1)


#### MFC Districts

 MFC Districts (1)

#### MFC Dispatch Units

 MFC Dispatch Units (1)

#### MS Outline

 MS Outline (1)

Stand Activity Schedule for  
Greene County BOE  
3 2N 8W

strata	stand	Activity	Acre	Est. Cost	Est. Revenue	
2016						
3	4	Harvest, Mechanical, 1st Thin, Machine, Loblolly	48	\$1,680.00	\$15,432.00	
3	5	Harvest, Mechanical, 1st Thin, Machine, Loblolly	3	\$96.25	\$884.13	
			Yearlv Totals	51	\$1.776.25	\$16.316.13
			Grand Totals	51	\$1.776.25	\$16.316.13