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# FOREST STEWARDSHIP MANAGEMENT PLAN

Prepared For:  
Perry County Schools

Prepared By:  
Brad D Pulliam  
MFC

Time Period Covered by This Plan:  
2012 - 2021

Date Plan Prepared:  
2012-02-21

Plan Type:  
Stewardship / Stewardship

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

**Property Name: 16-1S-11W**

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**MISSISSIPPI FORESTRY COMMISSION  
FOREST STEWARDSHIP MANAGEMENT PLAN**

**LANDOWNER INFORMATION**

Name: Perry County Schools  
Mailing Address: P.O. Box 137  
City, State, Zip: New Augusta, MS 39462  
Country: United States of America  
Contact Numbers: Home Number:  
Office Number: 601-964-3211  
Fax Number:  
  
E-mail Address:  
Social Security Number (optional): 000000000

**FORESTER INFORMATION**

Name: Brad D Pulliam , Forestry Technician  
Forester Number: 00000  
Organization: MFC  
Street Address: P.O. Box 452  
City, State, Zip: Richton, MS 39476  
Contact Numbers: Office Number: 601-788-6006  
Fax Number: 601-788-6708  
  
E-mail Address: bpulliam@mfc.state.ms.us

**PROPERTY LOCATION**

County: Perry    Total Acres: 635    Latitude: -89.1    Longitude: 30.96  
Section: 16    Township: 1S    Range: 11W

**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*

This section is located in the southwest part of Perry County to the west of Highway 29. It can be accessed two ways one being a USFS road from Hwy 29 and the other a company road off Tower road. This section is made up of mostly pine plantation as it was all clearcut at the same time. With this being the case it only has two timber types with one being loblolly plantation the other hardwood pulpwood in the drains. It also has two gaslines which cross the entire section and should be mentioned for future management purposes.

*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.

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*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 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*.

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**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

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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.

*Archeological or Cultural Resources*

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

No resources were identified during a reconnaissance of this property.

## **STRATA**

*Strata 1*

Strata Description

Strata 1: Stands 1,4,5,8,12,14,16

Acres: 127

This strata is made up of mostly hardwood drains that serve as SMZ area's throughout the section. Each of which is stocked with several different size and ages of hardwood.

Strata Recommendations

It is recommended to manage these stands as SMZ areas and protect them so that they protect the drains that are in them. Little to no activity is scheduled for any of these stands. However, some mature sawtimber may be removed when adjacent stands are harvested.

*Strata 2*

Strata Description

Strata 2: Stand 2,3,6,7,9,11,13,15,18

Acres: 497

This stand is made up of a loblolly plantation that was hand planted in 2000 making it 12 years old at this time. It is very well stocked with a few areas being overstocked due to some blown in seeds from surrounding stands

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Strata Recommendations

This strata should be thinned in or around 2015 depending on the size of the trees and the market conditions at that time. This will be a first thin and should be split into two or three tracts so that one can manage and the acreage will not be big. After this thin the entire stand should be introduced to fire in order to control unwanted hardwood brush from entering the stand.

Activity Recommendations

Harvest

1st thin

5th row method

Target crooked, forked, and disease trees

Target BA of 70

Fire Protection

A prescribed burn should be carried out on this property in the late fall or early winter of 2017 and be repeated on a two or three year rotation thereafter. Prescribed fire when used correctly can greatly benefit the health and vigor of a stand. It reduces the undesirable tree species that often crowd out or suppress pines. These unwanted understory trees and shrubs species not only compete for water, nutrients, and growing space, but often contain dead needles and leaves that act as ladder fuels allowing a fire to climb into the overstory crowns. Prescribed fire also reduces the hazardous fuel loads within the stand and prevents damage in the event of a wildfire.

**OTHER PLAN ACTIVITIES**

*Boundary Lines*

Line Description

All lines are painted with orange paint and are visible at this time.

Line Recommendations

Lines should be maintained on a five year rotation with these scheduled to be done in 2016 and 2021.

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.



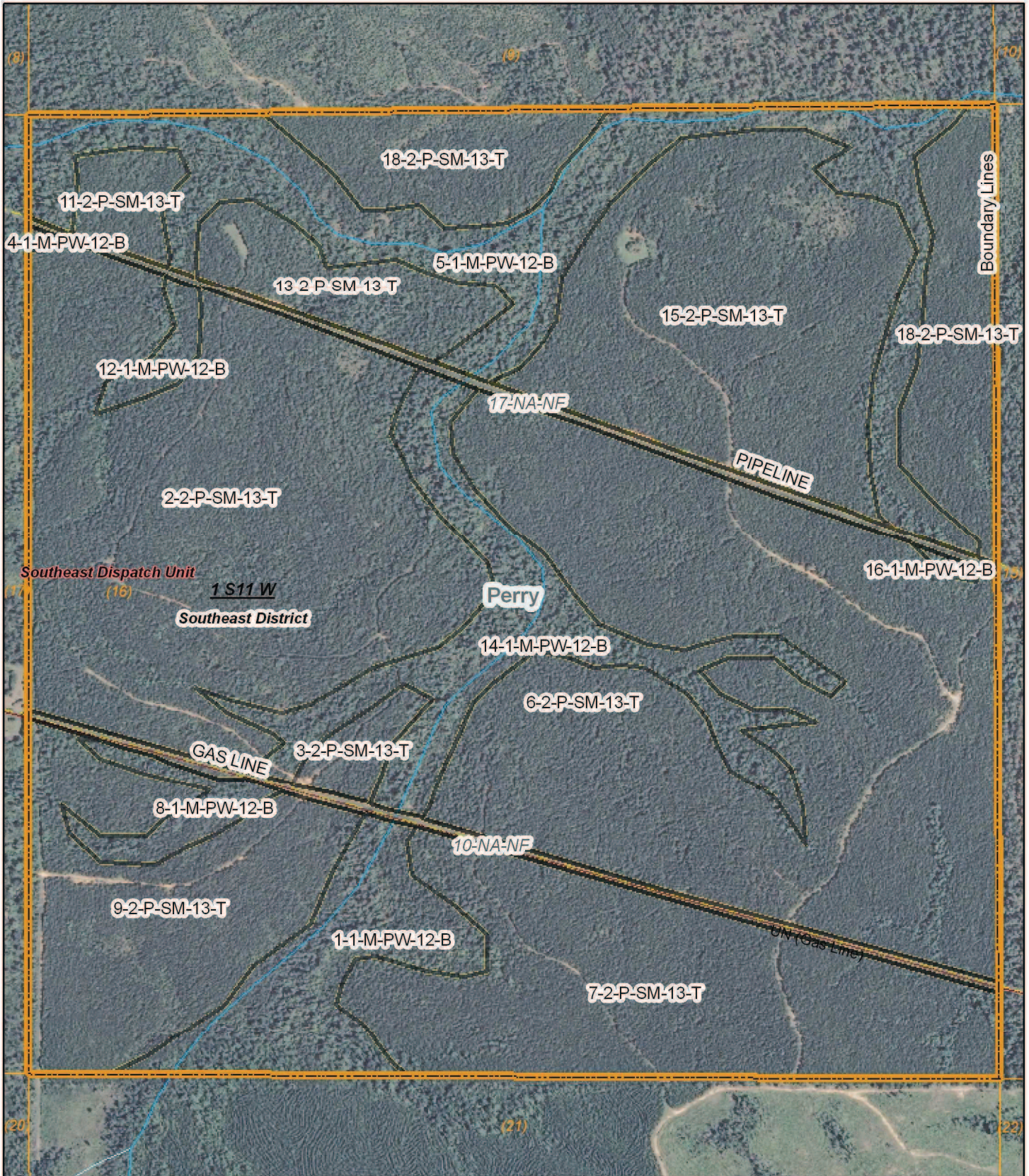


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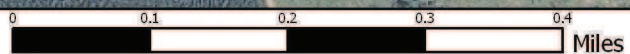
West of HWY 29 in Gov. Woods

2012 to 2021

640 Acres



(02/10/2012)







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## Property

 Property

## Category 1: Stands

 Pulpwood  
 Sub-Merchantable


## Category 3: Non-Forest Stands

 Non-Forest

## Boundary Lines

 Property

## Utilities (Lines)


 Gas Line

## MFC Basemap

### County Boundary

 County Boundary

### Quadrangle Grid

 USGS Quad


### PLS Townships

 PLS Townships

### Survey Districts

 District 5


### Blockgroup (Census 2000)

 Blockgroup (Census 2000)

### Block (Census 2000)

 Block (Census 2000)

### Tract/BNA (Census 2000)

 Tract/BNA (Census 2000)

### Natural Gas Lines

 Natural Gas Lines

### School Sections

 School Sections

### Public School Districts

 PERRY COUNTY SCHOOL DISTRICT

### US Congressional District

 US Cong Dist #4


### MS Senate

 45

### MS House

 105


### Perennial Streams

 Perennial Streams

### Hydrologic Units (Basins)

 BLACK AND RED CREEKS

### Historic Forest Boundary

 Longleaf Pine with Loblolly Pine-Slash Pine


### MS Forest Habitat

 SOUTHERN LOAM HILLS-GENTLE TOPOGRAPHY

### Physiographic Region

 Pine Belt

### Soil Associations

 mclaurin-heidel-prentiss

### Surface Geology

 PASCAGOULA/HATTIESBURG

### USFS Ownership

 Forest Service

### USFS Boundary

 Desoto

### MFC Districts

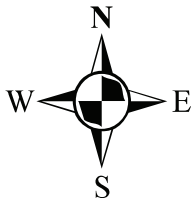
 MFC Districts

### MFC Dispatch Units

 MFC Dispatch Units

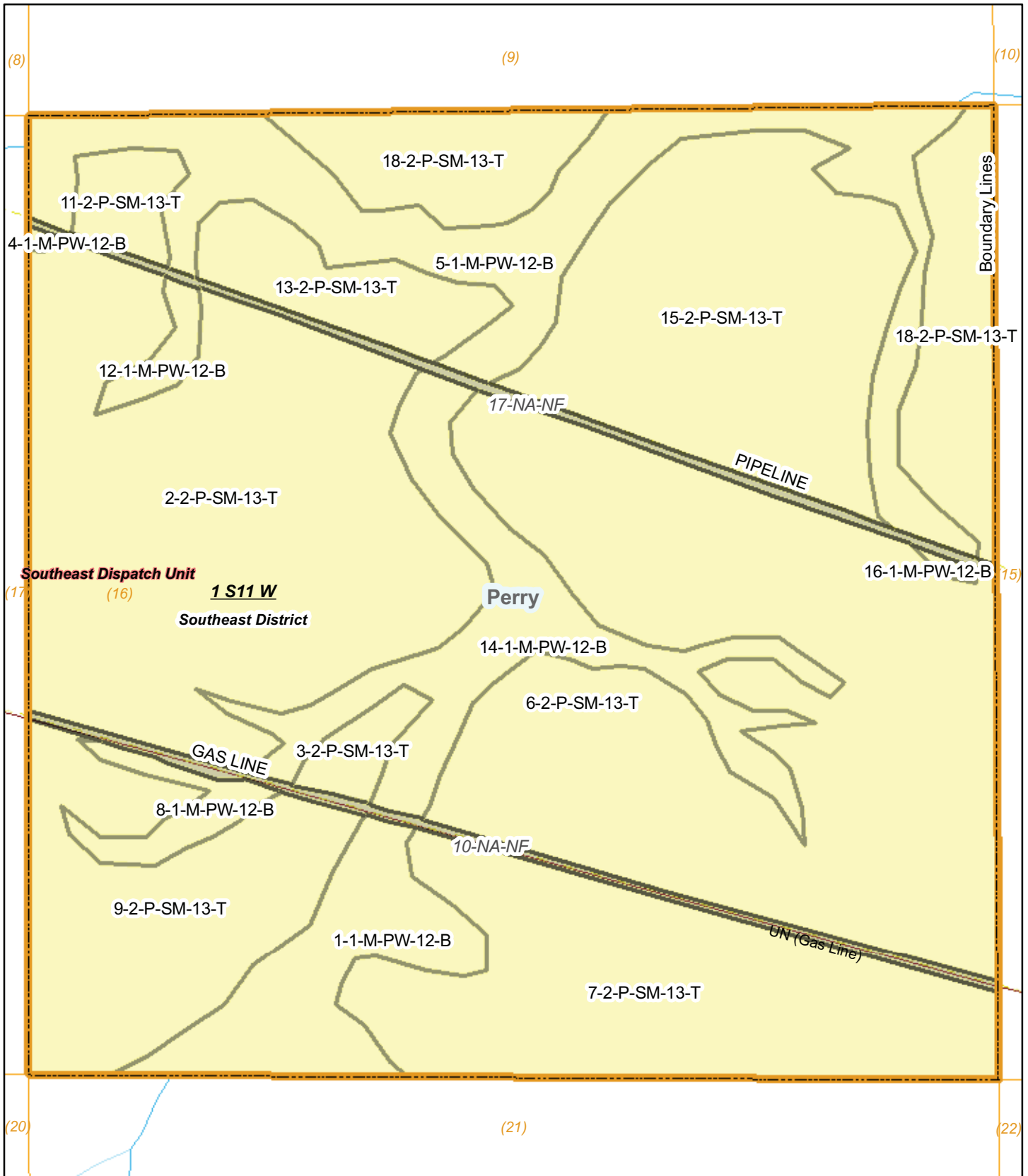
### MS Outline

 MS Outline

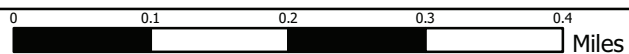


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West of HWY 29 in Gov. Woods  
2012 to 2021  
640 Acres



(02/10/2012)



Stand Activity Schedule for  
Perry County Schools  
16 1S 11W

Strata	Stand	Activity	Acre	Est. Cost	Est. Revenue
<b>2015</b>					
2	2	Harvest, Mechanical, Thin, Machine, Loblolly	112	\$3,911.60	\$24,587.20
2	3	Harvest, Mechanical, Thin, Machine, Loblolly	5	\$170.45	\$1,071.40
2	6	Harvest, Mechanical, Thin, Machine, Loblolly	112	\$3,920.00	\$24,640.00
2	7	Harvest, Mechanical, Thin, Machine, Loblolly	68	\$2,371.25	\$14,905.00
2	9	Harvest, Mechanical, Thin, Machine, Loblolly	47	\$1,630.30	\$10,247.60
2	11	Harvest, Mechanical, Thin, Machine, Loblolly	7	\$231.70	\$1,456.40
2	13	Harvest, Mechanical, Thin, Machine, Loblolly	16	\$557.90	\$3,506.80
2	15	Harvest, Mechanical, Thin, Machine, Loblolly	68	\$2,370.90	\$14,902.80
2	18	Harvest, Mechanical, Thin, Machine, Loblolly	40	\$1,391.25	\$8,745.00
<b>Yearly Totals</b>			<b>473</b>	<b>\$16,555.35</b>	<b>\$104,062.20</b>
<b>2017</b>					
2	2	Fire Protection, Other, Burn, Hand, Hazard Mitigation	112	\$2,800.00	\$0.00
2	3	Fire Protection, Other, Burn, Hand, Hazard Mitigation	5	\$121.75	\$0.00
2	6	Fire Protection, Other, Burn, Hand, Hazard Mitigation	136	\$3,406.75	\$0.00
2	7	Fire Protection, Other, Burn, Hand, Hazard Mitigation	68	\$1,693.75	\$0.00
2	9	Fire Protection, Other, Burn, Hand, Hazard Mitigation	47	\$1,164.50	\$0.00
2	11	Fire Protection, Other, Burn, Hand, Hazard Mitigation	7	\$165.50	\$0.00
2	13	Fire Protection, Other, Burn, Hand, Hazard Mitigation	16	\$398.50	\$0.00
2	15	Fire Protection, Other, Burn, Hand, Hazard Mitigation	68	\$1,693.50	\$0.00
2	18	Fire Protection, Other, Burn, Hand, Hazard Mitigation	40	\$993.75	\$0.00

Strata	Stand	Activity	Acre	Est. Cost	Est. Revenue
Yearly Totals			498	\$12,438.00	\$0.00
<b>2021</b>					
2	2	Fire Protection, Other, Burn, Hand, Hazard Mitigation	112	\$2,794.00	\$0.00
2	3	Fire Protection, Other, Burn, Hand, Hazard Mitigation	5	\$121.75	\$0.00
2	6	Fire Protection, Other, Burn, Hand, Hazard Mitigation	136	\$3,406.75	\$0.00
2	7	Fire Protection, Other, Burn, Hand, Hazard Mitigation	68	\$1,693.75	\$0.00
2	9	Fire Protection, Other, Burn, Hand, Hazard Mitigation	7	\$175.00	\$0.00
2	11	Fire Protection, Other, Burn, Hand, Hazard Mitigation	7	\$165.50	\$0.00
2	13	Fire Protection, Other, Burn, Hand, Hazard Mitigation	16	\$398.50	\$0.00
2	15	Fire Protection, Other, Burn, Hand, Hazard Mitigation	68	\$1,693.50	\$0.00
2	18	Fire Protection, Other, Burn, Hand, Hazard Mitigation	40	\$993.75	\$0.00
Yearly Totals			458	\$11,442.50	\$0.00
<b>Grand Totals</b>			<b>1,428</b>	<b>\$40,435.85</b>	<b>\$104,062.20</b>