



Vision • Commitment • Pride

FOREST STEWARDSHIP MANAGEMENT PLAN

Prepared For:
Richton 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: 16-5N-9W

TABLE OF CONTENTS

LANDOWNER INFORMATION	3
FORESTER INFORMATION	3
DISCLAIMER	3
INTRODUCTION	3
OBJECTIVES	4
PROPERTY DESCRIPTION	4
GENERAL PROPERTY RECOMMENDATIONS	5
STRATA	7
OTHER PLAN ACTIVITIES	9
PLAN MAP	11
PLAN MAP	12
STRATA ACTIVITY SCHEDULE	13

**MISSISSIPPI FORESTRY COMMISSION
FOREST STEWARDSHIP MANAGEMENT PLAN**

LANDOWNER INFORMATION

Name: Richton Schools
Mailing Address: P.O. Box 568
City, State, Zip: Richton , MS 39476
Country: United States of America
Contact Numbers: Home Number:
Office Number: 601-788-6581
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: 649 Latitude: -88.9 Longitude: 31.4
Section: 16 Township: 5N Range: 9W

DISCLAIMER

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.

**MISSISSIPPI FORESTRY COMMISSION
FOREST STEWARDSHIP MANAGEMENT PLAN**

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 of land is located off Camp 8 Rd. in northeast Perry Co. It consists of gently rolling hills with well drained soils. It is accessed on the North and South by Plum Creek Timberlands roads. The South end of the section is slash plantation while the North end consist of longleaf plantation with a pocket of natural hardwood on the northwestern part of it. The two plantations are split by a drain which runs the east-west across the section.

Water Resources

This propetrty is located adjacent to Thompson Creek even tho it does not join, it should be metioned . 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.

**MISSISSIPPI FORESTRY COMMISSION
FOREST STEWARDSHIP MANAGEMENT PLAN**

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: sandy loam soils on the ridges and sand clay loam in the bottoms.

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*.

**MISSISSIPPI FORESTRY COMMISSION
FOREST STEWARDSHIP MANAGEMENT PLAN**

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. 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.

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.

**MISSISSIPPI FORESTRY COMMISSION
FOREST STEWARDSHIP MANAGEMENT PLAN**

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. All of these opportunities can be had at Lake Perry where we have all of the above listed 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.

Archeological or Cultural Resources

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

No resources were identified during a reconnaissance of this property.

STRATA

Strata 1

Strata Description

Strata 1: Stand 1

Acres: 41

This stand consist of a natural hardwood stand. It has several different speicies of hardwood and ranges in size from pulpwood to sawtimber. This stand is located along the western boundary and is in low wetter type ground and not accessable most of the year.

**MISSISSIPPI FORESTRY COMMISSION
FOREST STEWARDSHIP MANAGEMENT PLAN**

Strata Recommendations

It is recommended to manage this stand as it is now due to the fact of wet ground and it is also hard to access from any part of the section.

Strata 2

Strata Description

Strata 2: Stands 2,3,4

Acres: 240

This strata is made up of longleaf plantation which is approximately 13 years old at this time. These stands are on schedule to burn in 2012 and again in 2016 before a thinning in 2018.

Strata Recommendations

It is recommended that this stand be burned in 2012 and also 2016. These stands will need a first thin in 2018.

Activity Recommendations

Harvest

First thin longleaf plantation.

Remove poor quality trees and leave an average BA of 70 - 75.

Fire Protection

A prescribed burn should be carried out on this property in the late fall or early winter of 2012 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.

Strata 3

Strata Description

Strata 3: Stands 5,6,7,8

Acres: 170

This strata consist of a slash pine plantation that is well stocked and in need of a first thinning. The stand has been cruised and is ready to bid when the board approves the sale.

**MISSISSIPPI FORESTRY COMMISSION
FOREST STEWARDSHIP MANAGEMENT PLAN**

Strata Recommendations

These stands will be thinned in 2012, they should be cut back to an average of 70 BA per acre. This will be a fifth row thin taking out the disease and crooked and forked trees leaving the best quality for the final crop.

Activity Recommendations

Harvest

First thin

Slash Pine

Fifth row method, with average BA of 70

Fire Protection

A prescribed burn should be carried out on this property in the late fall or early winter of 2015 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.

Strata 4

Strata Description

Strata 4: Stand 9

Acres: 190

This stand consist of an SMZ area that drains the entire section. It is located in the middle of the tract and runs east to west.

Strata Recommendations

This stand should be managed as an SMZ area and restrict harvesting to a mimimum along this drain. However, some mature sawtimber may be removed when adjacent stands are harvested.

OTHER PLAN ACTIVITIES

Boundary Lines

Line Description

Boundary lines are painted with orange paint and visable at this time.

**MISSISSIPPI FORESTRY COMMISSION
FOREST STEWARDSHIP MANAGEMENT PLAN**

Line Recommendations

These lines should be maintained on a five year rotation and will need to be painted in 2015 and 2020.

Activity Recommendations

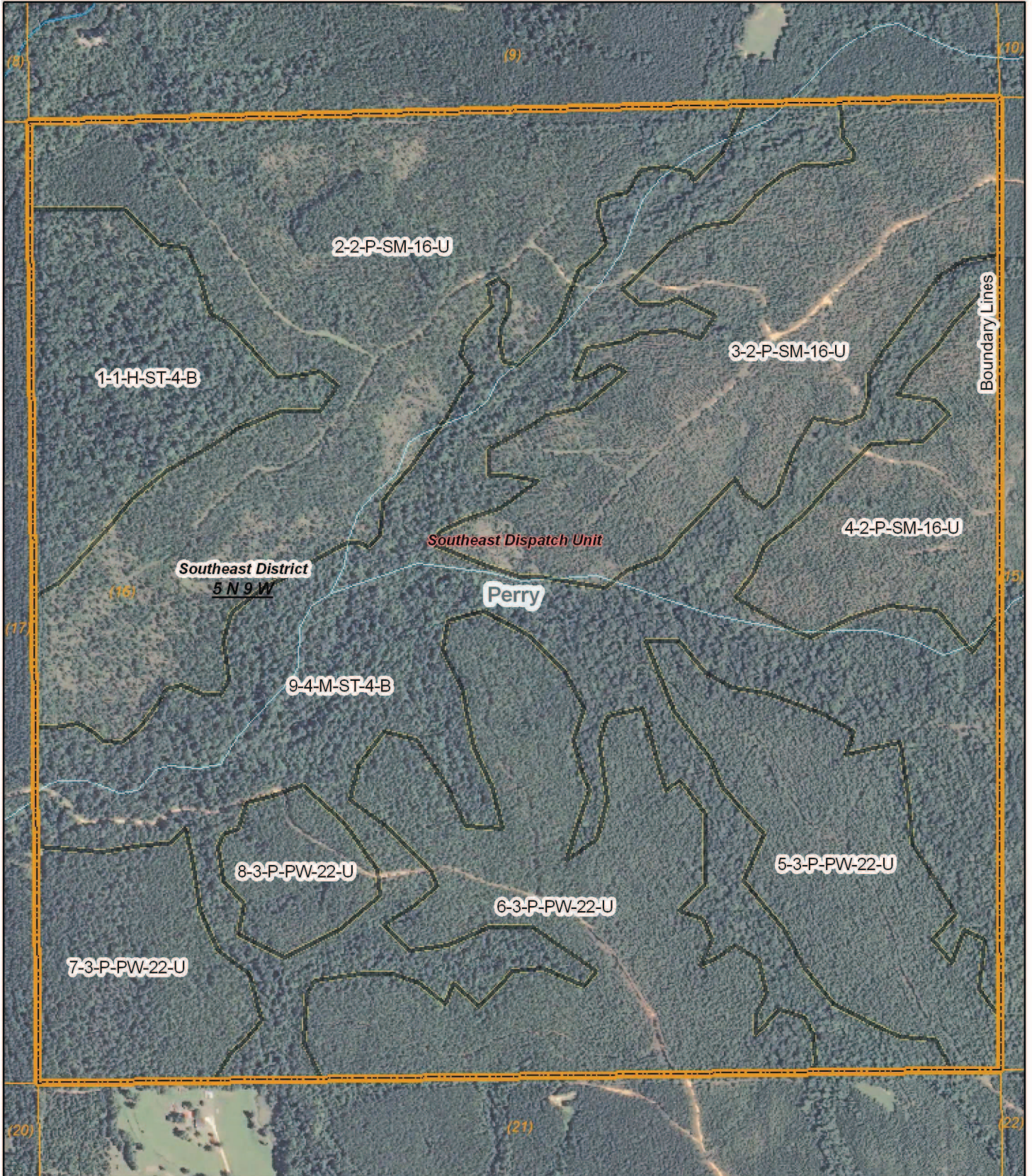
Property Activities

Routine inspections and general maintenance of the roads, Firelanes, and boundary lines will ensure overall appearance and aesthetics of the property.

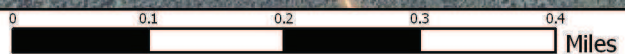


Richton Schools

Camp 8 RD
2012 to 2021
640 Acres



(02/10/2012)





Property

- Property (1)

Category 1: Stands

- Sawtimber (2)
- Sub-Merchantable (3)
- Pulpwood (4)

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) (1)

Block (Census 2000)

- Block (Census 2000) (1)

Tract/BNA (Census 2000)

- Tract/BNA (Census 2000) (1)

School Sections

- School Sections (1)

Public School Districts

- RICHTON SCHOOL DISTRICT (1)

US Congressional District

- US Cong Dist #4 (1)

MS Senate

- 44 (1)

MS House

- 86 (1)

Intermittent Streams

- Intermittent Streams (3)

Hydrologic Units (Basins)

- LOWER LEAF RIVER (1)

Historic Forest Boundary

- Longleaf Pine with Loblolly Pine-Slash Pine (1)

MS Forest Habitat

- SOUTHERN LOAM HILLS-RUGGED TOPOGRAPHY (1)
- SOUTHERN CLAY HILLS (1)

Physiographic Region

- Pine Belt (1)

Soil Associations

- bigbee-bibb-quitman (1)
- prentiss-rosella-benndale (1)

Surface Geology

- PASCAGOULA/HATTIESBURG (1)

MFC Districts

- MFC Districts (1)

MFC Dispatch Units

- MFC Dispatch Units (1)

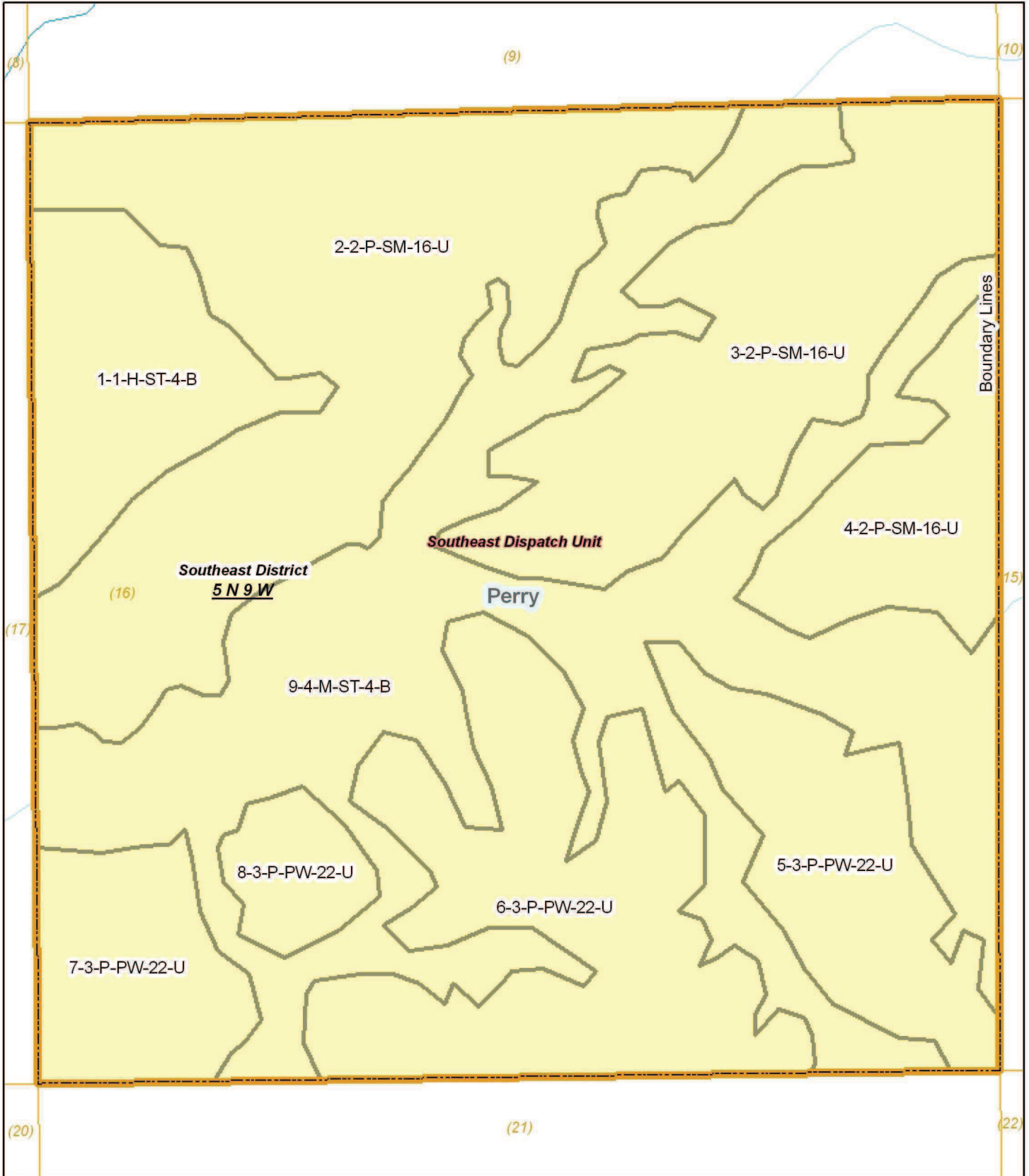
MS Outline

- MS Outline (1)

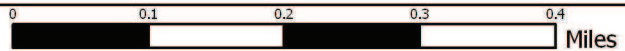


Richton Schools

Camp 8 RD
2012 to 2021
640 Acres



(02/10/2012)



Stand Activity Schedule for
 Richton Schools
 16 5N 9W

Strata	Stand	Activity	Acre	Est. Cost	Est. Revenue
2012					
2	2	Fire Protection, Other, Burn, Hand, Hazard Mitigation	126	\$0.00	\$0.00
2	3	Fire Protection, Other, Burn, Hand, Hazard Mitigation	82	\$0.00	\$0.00
2	4	Fire Protection, Other, Burn, Hand, Hazard Mitigation	32	\$0.00	\$0.00
3	5	Fire Protection, Other, Burn, Hand, Hazard Mitigation	43	\$0.00	\$0.00
3	6	Harvest, Mechanical, Thin, Machine, Slash	84	\$2,940.00	\$18,480.00
3	7	Harvest, Mechanical, Thin, Machine, Slash	31	\$1,070.65	\$6,729.80
3	8	Harvest, Mechanical, Thin, Machine, Slash	13	\$443.80	\$2,789.60
Yearly Totals			411	\$4,454.45	\$27,999.40
2016					
2	2	Fire Protection, Other, Burn, Hand, Hazard Mitigation	126	\$0.00	\$0.00
2	3	Fire Protection, Other, Burn, Hand, Hazard Mitigation	82	\$0.00	\$0.00
2	4	Fire Protection, Other, Burn, Hand, Hazard Mitigation	32	\$0.00	\$0.00
Yearly Totals			240	\$0.00	\$0.00
2018					
2	2	Harvest, Mechanical, Thin, Machine, Longleaf	126	\$4,410.00	\$27,720.00
2	3	Harvest, Mechanical, Thin, Machine, Longleaf	82	\$2,864.05	\$18,002.60
2	4	Harvest, Mechanical, Thin, Machine, Longleaf	32	\$1,136.10	\$7,141.20
Yearly Totals			240	\$8,410.15	\$52,863.80
Grand Totals			892	\$12,864.60	\$80,863.20