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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: 16-4N-9W

MISSISSIPPI FOREST STEWARDSHIP PROGRAM

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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:	645	Latitude:	-88.9	Longitude:	31.31
Section:	16	Township:	4N	Range:	9W		

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 section is located off Cochran road in Norhteast Perry County. To access this section we have to travel across Plum Creek Timberlands froom the Lester Hinton Rd. This section is mainly all plantation with the majority being longleaf and only the northeast corner being planted in loblolly. These plantations was hand planted and are approximately 14 years old at this time. All stands are well stocked and growing at this time.

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.

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: Ranges from heavy clay to sandy loam.

GENERAL PROPERTY RECOMMENDATIONS

Forest Protection
A healthly 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.*

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 be 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.

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: Stand 1

Acres: 28

This stand consist of a hand planted loblolly plantation that is basically cut off from the rest of the section by drains. This stand was damaged by a wildfire whenever it was approximatly 4 years old and some of it had to be replanted. The stand is now well stocked and growing.

Strata Recommendations

This stand should be thinned in or around 2017 and be prescribed burned the following year to remove any and all unwanted hardwood underbrush.

Activity Recommendations

Fire Protection

A prescribed burn should be carried out on this property in the late fall or early winter of 2018 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.

Harvest

1st thin

Target BA of 70

5th row method and take out all undersirable crop trees(crooked, forked, etc.)

Strata 2

Strata Description

Strata 2: Stand 3

Acres: 510

This stand consist of a hand planted longleaf plantation that is approximately 14 years old and is well stocked. The stand has been burned once and should be continued every three to four years to control underbrush within the stand.

Strata Recommendations

This stand should be burned on a three to four year rotation to maintain control of the underbrush within the stand and allow the trees the maximun potenial for growth.

Activity Recommendations

Fire Protection

A prescribed burn should be carried out on this property in the late fall or early winter of 2016 and be repeated on a three or four 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

Strata3: Stands 2,4,5,6,,8,9,10,11,12,13,14

Acres: 99

This stand consists of mostly hardwood pulpwood as it acts as an SMZ area. It is made up of several drains throughout the section and should be managed that way.

Strata Recommendations

Manage as an SMZ will little to no activity for all of these stands throughout the life of the plan.

OTHER PLAN ACTIVITIES

Boundary Lines

Line Description

All lines are painted orange and visable at this time

Line Recommendations

Lines should be maintained on a five year rotation with these needing painting in 2014 and 2019

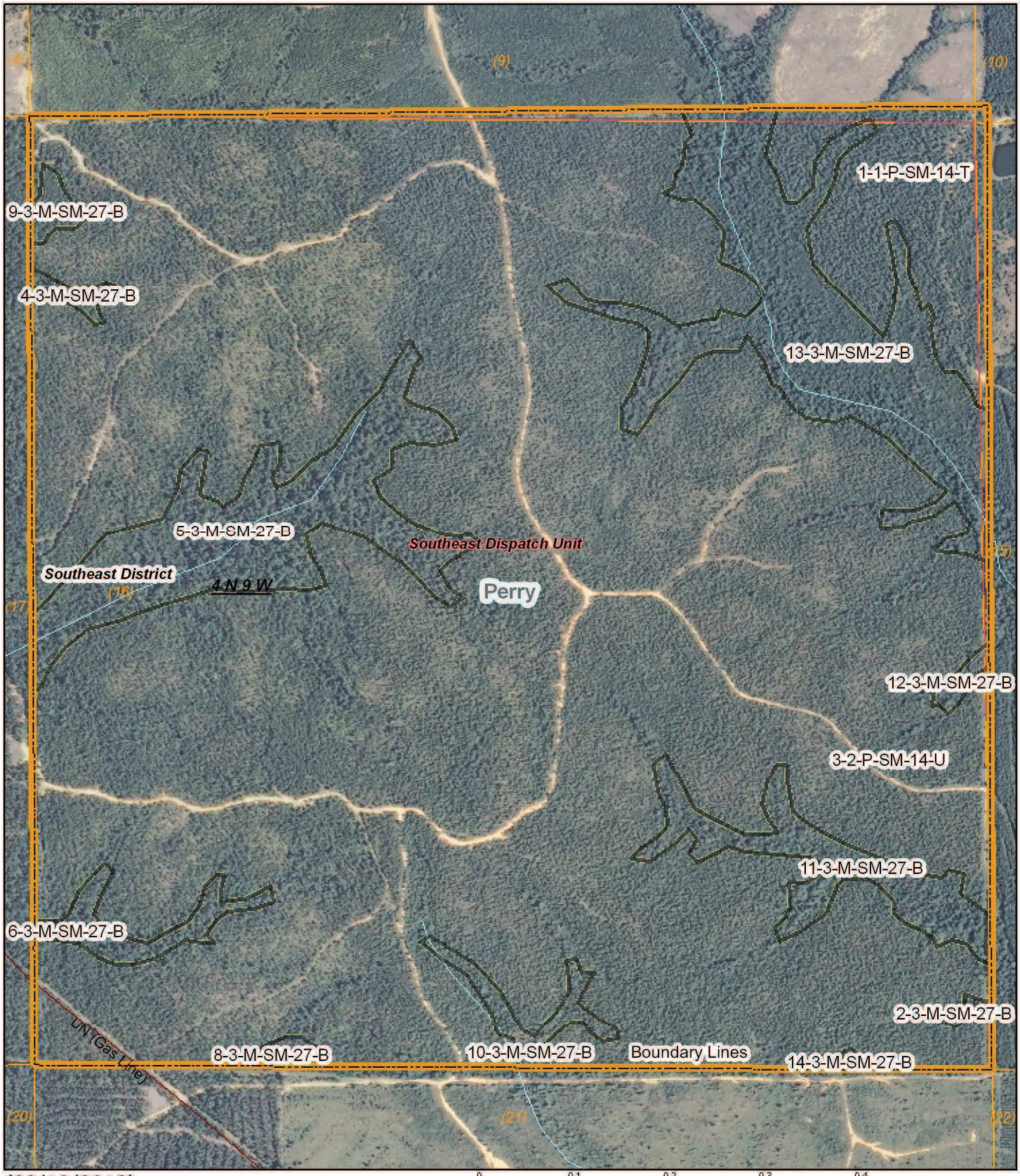
Activity Recommendations

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

Cochran Road Tract
2012 to 2021
640 Acres



(02/10/2012)

0 0.1 0.2 0.3 0.4 Miles

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Property
- Property

Category 1: Stands
- Sub-Merchantable

Boundary Lines
- Property

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
- RICHTON SCHOOL DISTRICT

US Congressional District
- US Cong Dist #4

MS Senate
- 45
- 44

MS House
- 105
- 86

Intermittent Streams
- Intermittent Streams

Hydrologic Units (Basins)
- LOWER LEAF RIVER

Historic Forest Boundary
- Longleaf Pine with Loblolly Pine-Slash Pine

MS Forest Habitat
- SOUTHERN LOAM HILLS-RUGGED TOPOGRAPHY

Physiographic Region
- Pine Belt

Soil Associations
- prentiss-rosella-benndale

Surface Geology
- PASCAGOULA/HATTIESBURG

MFC Districts
- MFC Districts

MFC Dispatch Units
- MFC Dispatch Units

MS Outline
- MS Outline

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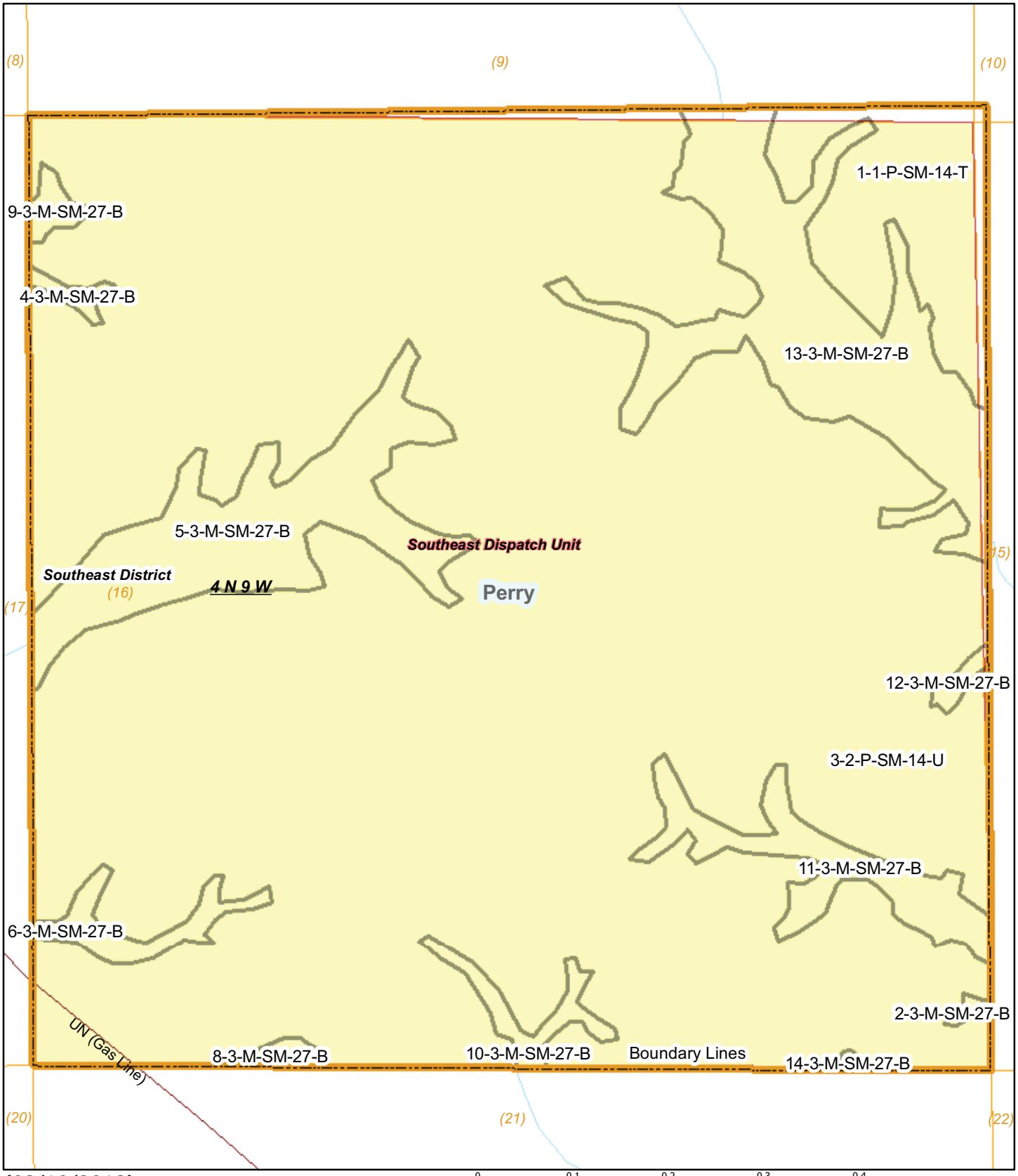
Cochran Road Tract
2012 to 2021
640 Acres



(02/10/2012)

0 0.1 0.2 0.3 0.4 Miles

Stand Activity Schedule for
Richton Schools
16 4N 9W

Strata	Stand	Activity	Acre	Est. Cost	Est. Revenue
2016					
2	3	Fire Protection, Other, Burn, Hand, Hazard Mitigation	510	$12,750.00	$0.00
		Yearly Totals	510	$12,750.00	$0.00
2017					
1	1	Harvest, Mechanical, 1st Thin, Machine, Loblolly	28	$980.00	$6,160.00
		Yearly Totals	28	$980.00	$6,160.00
2018					
1	1	Fire Protection, Other, Burn, Hand, Hazard Mitigation	28	$700.00	$0.00
		Yearly Totals	28	$700.00	$0.00
2020					
2	3	Fire Protection, Other, Burn, Hand, Hazard Mitigation	519	$12,967.75	$0.00
		Yearly Totals	519	$12,967.75	$0.00
		Grand Totals	**1,085**	**$27,397.75**	**$6,160.00**