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FOREST STEWARDSHIP MANAGEMENT PLAN

Prepared For:
Quitman County BOE

Prepared By:
Drew Stafford
Ms Forestry Commission

Time Period Covered by This Plan:
2012 - 2021

Date Plan Prepared:
2012-02-16

Plan Type:
Stewardship / Stewardship

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

Property Name: S16, T27N, R1W

TABLE OF CONTENTS

LANDOWNER INFORMATION	3
FORESTER INFORMATION	3
DISCLAIMER	3
INTRODUCTION	3
OBJECTIVES	4
PROPERTY DESCRIPTION	4
GENERAL PROPERTY RECOMMENDATIONS	5
STRATA	7
PLAN MAP	10
PLAN MAP	11
PLAN MAP	12
STRATA ACTIVITY SCHEDULE	13

**MISSISSIPPI FORESTRY COMMISSION
FOREST STEWARDSHIP MANAGEMENT PLAN**

LANDOWNER INFORMATION

Name: Quitman County BOE
Mailing Address: Drawer E
City, State, Zip: Marks, MS 38646
Country: United States of America
Contact Numbers: Home Number:
Office Number: 662-326-5451
Fax Number: 662-326-3694
E-mail Address: bhopson@qcsd.k12.ms.us
Social Security Number (optional):

FORESTER INFORMATION

Name: Drew Stafford , Service Forester
Forester Number: 12345
Organization: Ms Forestry Commission
Street Address: 108 Bethlehem Rd
City, State, Zip: Batesville, MS 38606
Contact Numbers: Office Number: 662-563-3824
Fax Number: 662-563-2247
E-mail Address: dstafford@mfc.state.ms.us

PROPERTY LOCATION

County: Quitman Total Acres: 640 Latitude: -90.3 Longitude: 34.21
Section: 16 Township: 27N Range: 1W

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 is located in the central portion of Quitman County approximately one half mile west of Lambert and consists of 639 acres, of which 208 acres are forested and 422 acres are in agriculture.

The forested area consists of 55 acres of mature bottomland hardwood sawtimber. Species include Water oak, Willow oak, Nuttall oak, Overcup oak, Sweetgum and others. This area was put up for sale in 2011. Bids were below minimum and it will be advertised again in 2012. There is a 43 acre stand of Cypress and Tupelo gum. There is a 20 acre bottomland hardwood pulpwood stand containing Green Ash, Sugarberry, and Elm. Also, there is a sub-merchantable stand of hardwood established after a timber harvest on 90 acres in 2002.

The section will be inspected annually to assess the overall condition of the stands, roads, and firelanes. Maintenance to the section will be done as needed.

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 reconnaissance and evaluation of your property. However, if threatened and endangered species are identified on the property, special management measures will be applied immediately to protect those

**MISSISSIPPI FORESTRY COMMISSION
FOREST STEWARDSHIP MANAGEMENT PLAN**

species.

Archeological and Cultural Resources

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

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

MISSISSIPPI FORESTRY COMMISSION FOREST STEWARDSHIP MANAGEMENT PLAN

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.

**MISSISSIPPI FORESTRY COMMISSION
FOREST STEWARDSHIP MANAGEMENT PLAN**

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.

STRATA

Strata 1

Strata Description

Total = 55 acres

Stand 8 = 4 acres, Stand 14 = 37 acres, Stand 16 = 11 acres, & Stand 22 = 3 acres

These stands consist of bottomland hardwoods, predominantly sawtimber in size. The estimated year of origin for these stands is 1948, making the stands 64 years old in 2012. The species composition of these stands is mostly Hackberry, Green Ash, and Elm regenerated naturally. The stands are adequately stocked with 103 trees per acre at 119 square feet of basal area. The volumes were estimated in 2008 to be 90 tons/acre of pulpwood and 86 tons/acre of sawtimber. The terrain is flat with a site index of 90 feet at 50 years for Nuttall Oak. This strata was prepared for a sale in 2011, bids were below the set minimum and the sale was postponed. The sale will be advertised again in 2012.

Strata Recommendations

This strata will be advertised again in 2012 and a final harvest will be scheduled. All merchantable timber will be removed.

Activity Recommendations

Harvest

In 2012, a final harvest is scheduled for this strata. All merchantable timber will be removed.

**MISSISSIPPI FORESTRY COMMISSION
FOREST STEWARDSHIP MANAGEMENT PLAN**

Regeneration

Following completion of the harvest, these stands will be artificially regenerated by planting. It will be planted on a 10'x 10' spacing for 436 seedlings per acre. Species planted will be specific for the site. Timing for the planting will be January 1 through March 31 in the year following completion of the harvest.

Strata 2

Strata Description

Stand 9 = 43 acres

This stand consists of bottomland hardwoods, predominantly sawtimber in size. The estimated year of origin for this stand is 1938, making the stands 74 years old in 2012. The species composition of this stand is mostly Cypress and Tupelo Gum regenerated naturally. The stand is fully stocked with 147 trees per acre at 181 square feet of basal area. The volumes were estimated in 2008 to be 134 tons/acre of pulpwood and 89 tons/acre of sawtimber. The terrain is flat with a site index of 90 feet at 50 years. This strata is virtually inoperable because of wet conditions.

Strata Recommendations

Monitor conditions within the strata throughout the current 10-year plan period. There are no planned recommendations in this strata for the duration of the 10-year plan period because of the inaccessible conditions in this strata.

Strata 3

Strata Description

Total = 20 acres

Stand 7 = 6 acres, Stand 12 = 5 acres, Stand 13 = 2 acres, & Stand 19 = 7 acres

These stands consist of bottomland hardwood pulpwood. The estimated year of origin for these stands is 1970, making the stands 42 years old in 2012. The species composition of these stands is mostly Cypress and Tupelo Gum regenerated naturally. The stands are understocked with 90 trees per acre at 65 square feet of basal area. The volumes were estimated in 2008 to be 14 tons/acre of pulpwood and 8 tons/acre of sawtimber. The terrain is flat with a site index of 90 feet at 50 years. This strata exists along drainages and sloughs.

**MISSISSIPPI FORESTRY COMMISSION
FOREST STEWARDSHIP MANAGEMENT PLAN**

Strata Recommendations

Monitor conditions within the strata throughout the current 10-year plan period. There are no planned recommendations in this strata for the duration of the 10-year plan period because of the age and size of the trees in this strata.

Strata 4

Strata Description

Total = 90 acres

Stand 1 = 2 acres, Stand 2 = 16 acres, Stand 3 = 6 acres, Stand 4 = 1 acre, Stand 10 = 6 acres, Stand 11 = 8 acres, Stand 20 = 3 acres, Stand 21 = 4 acres, & Stand 23 = 44 acres

These stands consist of bottomland hardwoods that are submerchantable.. The year of origin for these stands is 2002, making the stands 10 years old in 2012. The species composition of these stands is mostly Hackberry, Green Ash, and Elm regenerated naturally and planted. The stands are adequately stocked with 360 trees per acre at 9 square feet of basal area. The terrain is flat with a site index of 90 feet at 50 years for Nuttall Oak. This strata was harvested in 2001. It was allowed to regenerate naturally and was also supplemental planted in 2002. Nuttall Oak was planted and seedling survival was adequate.

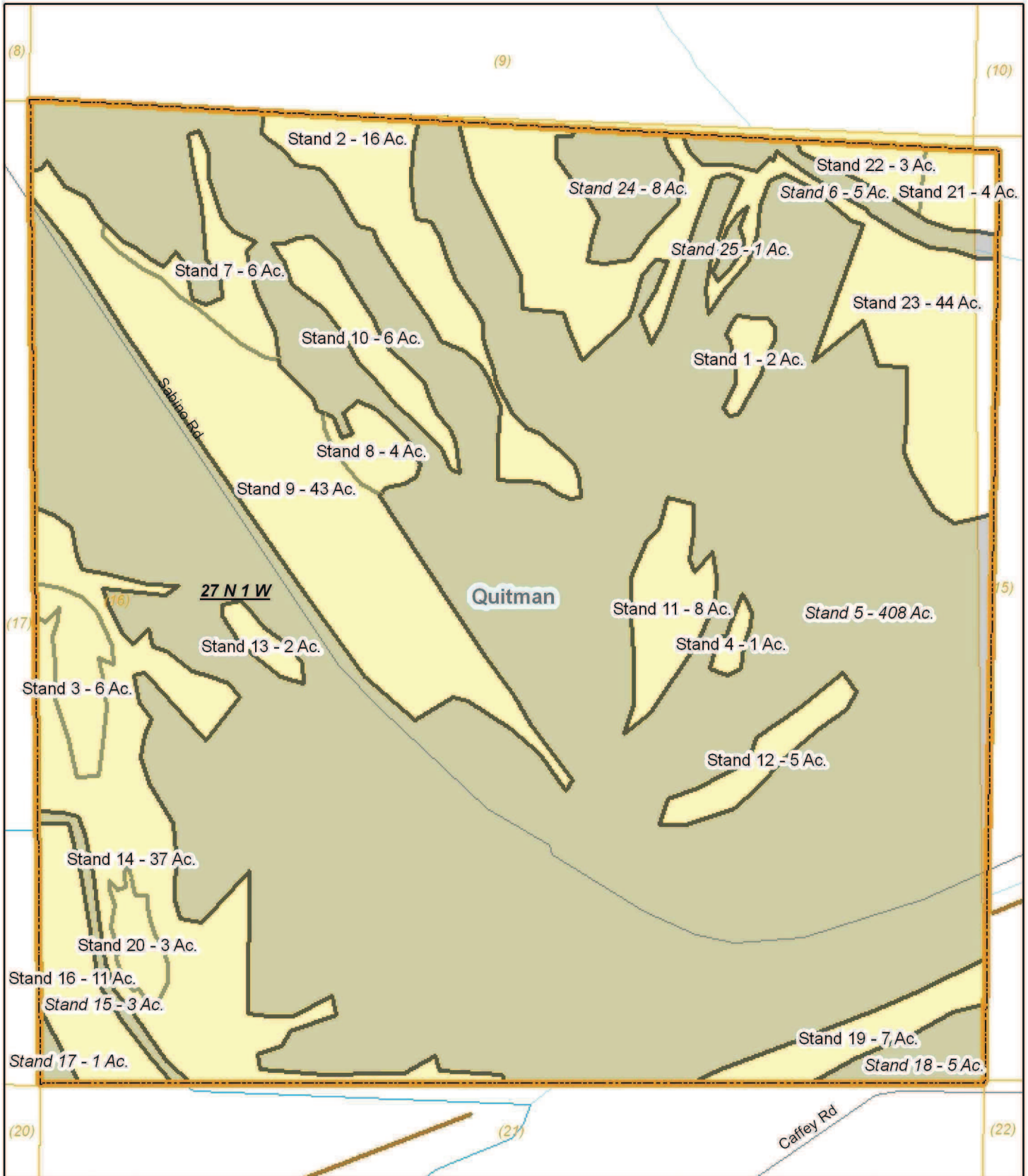
Strata Recommendations

Monitor conditions within the strata throughout the current 10-year plan period. There are no planned recommendations in this strata for the duration of the 10-year plan period because of the age and size of the trees in this strata.

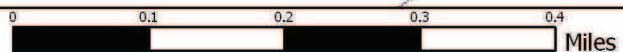


Quitman County BOE - S16 T27N R1W

Lambert Section
2012 to 2021
640.38 Acres




(01/12/2012)




Quitman County BOE - S16 T27N R1W




Property

 Property (1)


Category 1: Stands

 Sub-Merchantable (9)

 Pulpwood (4)

 Sawtimber (5)

Category 3: Non-Forest Stands

 Non-Forest (7)

Management Compartment


 Harvest (4)

MFC Basemap


County Boundary

 County Boundary (1)


Quadrangle Grid

 USGS Quad (1)


PLS Townships

 PLS Townships (1)


Survey Districts

 District 2 (1)


Blockgroup (Census 2000)

 Blockgroup (Census 2000) (1)


Block (Census 2000)

 Block (Census 2000) (4)


Tract/BNA (Census 2000)

 Tract/BNA (Census 2000) (1)

County Roads

 County Roads (2)


School Sections

 School Sections (1)


Public School Districts

 QUITMAN COUNTY SCHOOL DISTRICT (1)


US Congressional District

 US Cong Dist #2 (1)


MS Senate

 11 (1)

MS House

 26 (1)

Perennial Streams

 Perennial Streams (1)

Intermittent Streams

 Intermittent Streams (1)


Hydrologic Units (Basins)

 TALLAHATCHIE RIVER (1)

Historic Forest Boundary

 Bottomland Hardwood (Oak-Gum-Cottonwood-Cypress) (1)

MS Forest Habitat

 YAZOO BASIN DRYLANDS (1)

Physiographic Region

 Delta (1)


Soil Associations

 dundee-forestdale-dubbs (1)

Surface Geology

 ALLUVIUM (1)


MFC Districts

 MFC Districts (1)

MFC Dispatch Units

 MFC Dispatch Units (1)

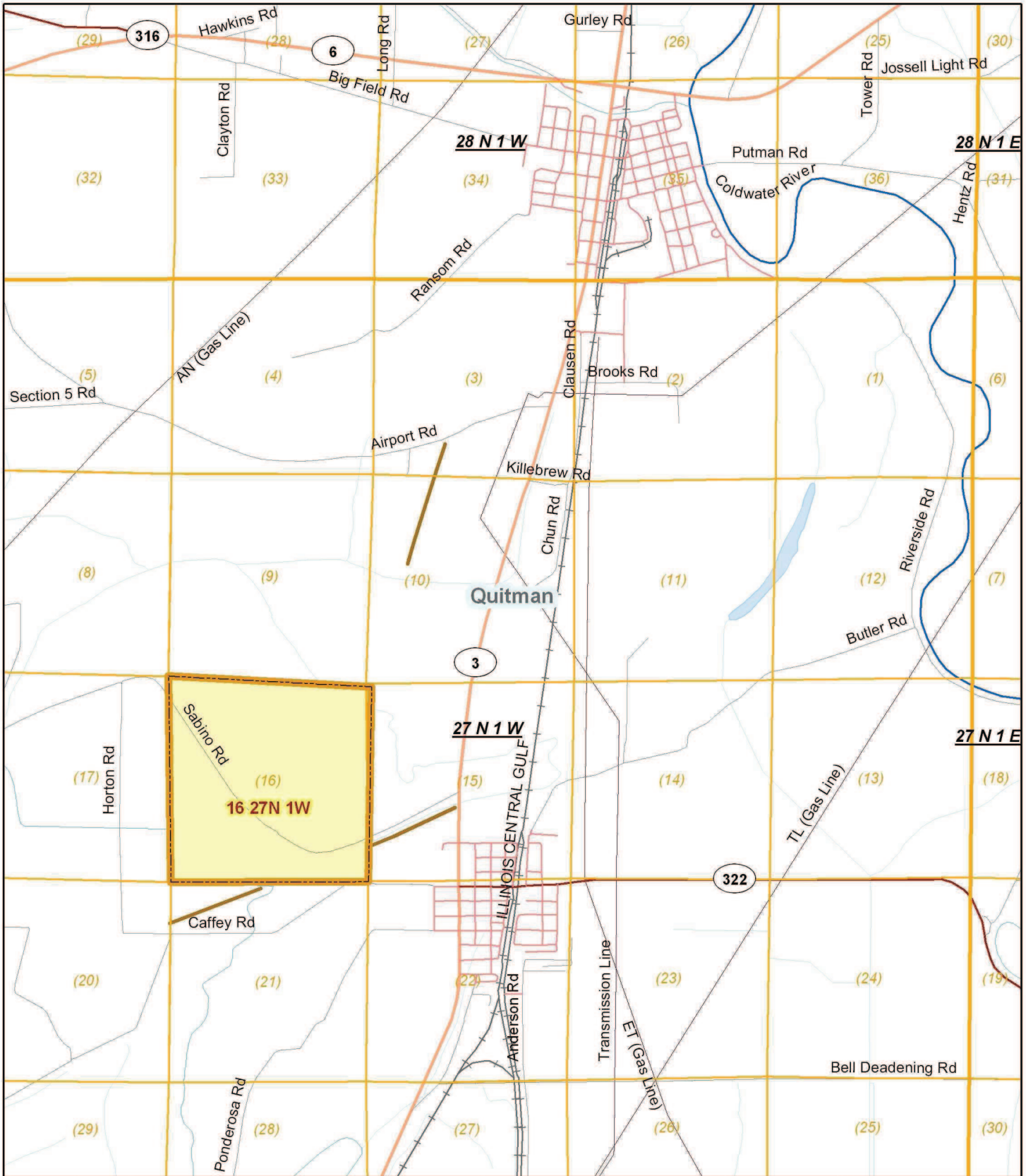
MS Outline

 MS Outline (1)

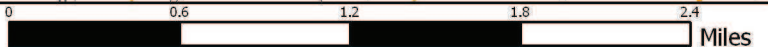


Quitman County BOE - S16 T27N R1W

Lambert Section
2012 to 2021
640.38 Acres



(01/12/2012)



Stand Activity Schedule for
Quitman County BOE
16 27N 1W

Strata	Stand	Activity	Acre	Est. Cost	Est. Revenue
2012					
1	8	Harvest, Mechanical, Final, Machine, Misc Hardwood	4	\$108.00	\$4,464.00
1	14	Harvest, Mechanical, Final, Machine, Misc Hardwood	37	\$1,011.69	\$41,816.52
1	16	Harvest, Mechanical, Final, Machine, Misc Hardwood	11	\$291.60	\$12,052.80
1	22	Harvest, Mechanical, Final, Machine, Misc Hardwood	3	\$91.80	\$3,794.40
Yearly Totals			56	\$1,503.09	\$62,127.72
2013					
1	8	Regeneration, Artificial, Plant, Hand, Nuttall Oak	4	\$630.00	\$0.00
1	14	Regeneration, Artificial, Plant, Hand, Nuttall Oak	37	\$6,557.25	\$0.00
1	16	Regeneration, Artificial, Plant, Hand, Nuttall Oak	11	\$1,890.00	\$0.00
1	22	Regeneration, Artificial, Plant, Hand, Nuttall Oak	3	\$595.00	\$0.00
Yearly Totals			55	\$9,672.25	\$0.00
Grand Totals			111	\$11,175.34	\$62,127.72