Vision • Commitment • Pride

FOREST STEWARDSHIP MANAGEMENT PLAN

Prepared For:
Lincoln County School

Prepared By:
Howard A Stogner
MFC

Time Period Covered by This Plan:
2012 - 2021

Date Plan Prepared:
2012-01-24

Plan Type:
Stewardship / Stewardship

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

Property Name: 16 - 5 North - 7 East

MISSISSIPPI FOREST STEWARDSHIP PROGRAM

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LANDOWNER INFORMATION

Organization:	Lincoln County School Board	
Name:	Lincoln County School	
Mailing Address:	P. O. Box 826	
City, State, Zip:	Brookhaven, MS 39602	
Country:	United States of America	
Contact Numbers:	Home Number:	
	Office Number:	601-835-0011
	Fax Number:	601-833-3030
E-mail Address:		
Social Security Number (optional):		646000627

FORESTER INFORMATION

Name:	Howard A Stogner , Service Forester	
Forester Number:	01428	
Organization:	MFC	
Street Address:	214 South First Street	
City, State, Zip:	Brookhaven, MS 39601	
Contact Numbers:	Office Number:	601-833-8563
	Fax Number:	601-833-5089
E-mail Address:	hstogner@mfc.state.ms.us	

PROPERTY LOCATION

County:	Lincoln	Total Acres:	643	Latitude:	-90.51	Longitude:	31.4
Section:	16	Township:	5N	Range:	7E		

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

Fire Protection

The goal is to protect the resource from wildfires, by establishing and maintaining firebreaks around the property; annually inspect possible signs of insect infestations and disease; and prohibit grazing until terminal bud is beyond reach of livestock.

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.

Water Quality
Streamside management zones have or will be established along the stream and a protective vegetative zone maintained along the perimeter. Water diversions will be installed and maintained where needed on access roads to prevent erosion.

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 Bethel Community of Lincoln County. The section is divided by Holmesville Road the splits the section from northwest to southeast. This section is located west of Interstate 55 and will require that burning be done by using east wind directions. The majority of the section is mature timber that will need to be harvested and then reforested. A junkyard is located behind a leasee's trailer and is steady increasing in size. Some of the automobiles are pushed into the timbered areas. A concern is an old pipeline running through the section from north to south. The terrain is gently rolling and very suited to the production of timber. The section has 331 acres in forested land and 309 acres in non-forested land split between old pastures, home sites, powerline right of ways, and road.

Water Resources
Two 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:

Archeological or Cultural Resources
Archeological or Cultural Resources:

These areas can range from churches, old cemeteries, natural springs, Indian mounds to homesites or other areas fo historical significance.

Several home sites exist on non-forested areas - see attached map. They are apart of farm residential leases, there are no forest management activities scheduled to occur inside these identified areas.

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.*

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.

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.

SOIL TYPES

Bude

The Bude component makes up 95 percent of the map unit. Slopes are 2 to 5 percent. This component is on uplands. The parent material consists of loess deposits. Depth to a root restrictive layer, fragipan, is 18 to 40 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches is high. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 11 inches during January, February, March, April. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria. Loblolly Site Index = 90.

Falaya
The Falaya component makes up 85 percent of the map unit. Slopes are 0 to 2 percent. This component is on flood plains. The parent material consists of silty alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is very high. Shrink-swell potential is low. This soil is occasionally flooded. It is not ponded. A seasonal zone of water saturation is at 24 inches during January, February, March, November, December. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria. Loblolly Site Index = 90.

Ruston
The Ruston component makes up 90 percent of the map unit. Slopes are 8 to 12 percent. This component is on coastal plains. The parent material consists of loamy fluviomarine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria. Loblolly Site Index = 86. Longleaf Site Index = 69. Slash Site Index = 85.

Providence
The Providence component makes up 90 percent of the map unit. Slopes are 5 to 8 percent. This component is on uplands. The parent material consists of silty loess over sandy marine deposits. Depth to a root restrictive layer, fragipan, is 18 to 38 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 18 inches during January, February, March. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria. Loblolly Site Index = 87. Longleaf Site Index = 73.

Ora
The Ora component makes up 60 percent of the map unit. Slopes are 5 to 8 percent. This component is on uplands. The parent material consists of loamy fluviomarine deposits. Depth to a root restrictive layer, fragipan, is 18 to 42 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 18 inches during January, February, March. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria. The Ruston component makes up 30 percent of the map unit. Slopes are 5 to 8 percent. This component is on coastal plains. The parent material consists of loamy fluviomarine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72

inches. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

STRATA

Strata 1

Strata Description

This strata is composed of stand 34. This strata has been harvested and herbicide applied in 2011. The strata will be planted in January or February of 2012. The strata is 88 acres in size.

Strata Recommendations

This strata will need to be reforested with loblolly pine. The seedlings will be containerized to improve the survival and growth after planting.

Activity Recommendations

Regeneration

This strata will planted with containerized loblolly pine. The seedling will be planted on 8 feet by 10 feet spacing (544 trees/acre). The use of containerized seedlings will allow for earlier planting of seedling to begin. This will increase survival of the seedlings planted. The containerized seedlings offer better growth uniformity. This will be planted in 2012.

Strata 2

Strata Description

This strata is made up of stands 21 and 36. The strata is composed of mixed pines with patches of hardwood scattered within the stand. The average age of the trees is 59 years old and has a basal area of 76 square feet. The site index for this strata soils is 90 feet at a base age of 50 years. The strata is 85 acres in size.

Stand Recommendations

This strata is economically mature and will need to be harvested and converted to pine to maximize timber revenue. This harvest will be in accordance with Best Management Practices and will be done in 2017.

Activity Recommendations

Harvest

This strata will be harvested to remove all merchantable timber to increase growth returns on the section. This sale complies with all required best management practices and is necessary for best return for the school board. This harvesting will be done in 2017.

Site Preparation

This strata will need to have herbicide applied to control competing vegetation. This herbicide will be applied according to manufacturers labeled rates. The herbicide should only be applied after adequate regrowth of brush has occurred. The herbicide may be applied until October 1st unless otherwise extended by herbicide representative. The herbicide will be applied in 2018 after adequate resprouting has occurred.

Regeneration

This strata will planted with containerized loblolly pine. The seedling will be planted on 8 feet by 10 feet spacing (544 trees/acre). The use of containerized seedlings will allow for earlier planting of seedling to begin. This will increase survival of the seedlings planted. The containerized seedlings offer better growth uniformity. This will be planted in 2018.

Strata 3

Strata Description

This strata is made up of stand 11. The strata is composed of mixed pines. The average age of the trees is 26 years old and has a basal area of 90 square feet. The site index for this strata soils is 90 feet at a base age of 50 years. The strata is 11 acres in size. This strata has been thinned in 2010.

Stand Recommendations

This strata will need to be thinned to increase growth and improve stand vigor. This will be done by thinning down to 80 square feet of basal area to open the stand to receive more sunlight and nutrients. Then a herbicide will be applied to control woody vegetation after sunlight re-enters the strata.

Activity Recommendations

Harvest

This strata will be thinned for the second time to improve growth and to remove competition from under preforming stems in the stand. This will be done by using a operator select thinning method that will promote the best stems to be left to grow to sawtimber size. this will be done in 2015.

Vegetation Control

This strata will need herbicide applied to the stand to control competing vegetation that will be present after the stand is thinned. This herbicide will be applied based on label rates and timing. The herbicide application will follow all best management guidelines. This will be done in 2016.

Strata 4

Strata Description

This strata is made up of stands 9, 13, 19, and 30. The strata is composed of mixed pines with patches of hardwood scattered within the stand. The average age of the trees is 59 years old and has a basal area of 85 square feet. The site index for this strata soils is 90 feet at a base age of 50 years. The strata is 34 acres in size.

Stand Recommendations

This strata is economically mature and will need to be harvested and converted to pine to maximize timber revenue. This harvest will be in accordance with Best Management Practices and will be done in 2018.

Activity Recommendations

Harvest

This strata will be harvested to remove all merchantable timber to increase growth returns on the section. This sale complies with all required best management practices and is necessary for best return for the school board. This harvesting will be done in 2018.

Site Preparation

This strata will need to have herbicide applied to control woody and herbaceous species. The herbicide will need to be applied according to the label rates and timing to insure good vegetation control. This herbicide will be applied aerially to the stand. This work will be done in 2019.

Regeneration

This strata will planted with containerized loblolly pine. The seedling will be planted on 8 feet by 10 feet spacing (544 trees/acre). The use of containerized seedlings will allow for earlier planting of seedling to begin. This will increase survival of the seedlings planted. The containerized seedlings offer better growth uniformity. This will be planted in 2019.

Strata 5

Stand Description

This strata is composed of stands 17 and 29. This 14 year old loblolly pine stand that naturally regenerated on a harvested site with a herbicide application after the seedlings were 3 years old. The terrain is flat with heavy equipment use limited to summer and fall months due to the soil type. The basal area is 100 square feet with an average height 55 feet and 7.6 inches in diameter. The site index for pine is 90 feet at a base age of 50 years. This strata is 23 acres in size.

Stand Recommendations

This strata will need to be thinned to increase growth and improve stand vigor. This will be done by thinning down to 80 square feet of basal area to open the stand to receive

more sunlight and nutrients. Then a herbicide will be applied to control woody vegetation after sunlight re-enters the strata.

Activity Recommendations

Harvest

This strata will be thinned for the first time to remove the competing stems and increase growth for the next thinning. This thinning will be done as a operator select thin. The thinning will be monitored to insure that all best management guidelines are followed. This will reduce the basal area to 80 square feet and be done in 2014.

Vegetation Control

This strata will need herbicide applied to the stand to control competing vegetation that will be present after the stand is thinned. This herbicide will be applied based on label rates and timing. The herbicide application will follow all best management guidelines. This will be done in 2015.

Strata 6

Strata Description

This strata is composed on stand 18. The strata was harvested on a pay as cut basis and the logger did not finish the timber removal. The remaining unmerchantable stems need to be cleared for reforestation. The leasee can harvest and use for firewood under his farm residential lease in 2012.

Stand Recommendations

This strata will be salvaged and then site prepared with herbicide and then planted in loblolly pine.

Activity Recommendations

Site Preparation

This strata will need to have herbicide applied to control woody and herbaceous species. The herbicide will need to be applied according to the label rates and timing to insure good vegetation control. This herbicide will be applied aerially to the stand. This work will be done in 2013.

Regeneration

This strata will planted with containerized loblolly pine. The seedling will be planted on 8 feet by 10 feet spacing (544 trees/acre). The use of containerized seedlings will allow for earlier planting of seedling to begin. This will increase survival of the seedlings planted. The containerized seedlings offer better growth uniformity. This will be planted in 2013.

Strata 7

Strata Description

This strata is composed of mixed oaks, hickory, and other hardwoods that are within the Streamside Management Zone. The strata in composed of stands 8, 12, and 25. The basal area is 65 square feet with a site index of 90 feet for a base age of 50 years. The strata is 34 acres in size. This strata is predominately a bottomland hardwood site that will require Wetland Best Management Practices to be followed.

Strata Recommendations

This strata will be harvested when adajacent stands are harvested. The strata will be thinned to the recommended residual basal area when Strata 2 is harvested in 2017.

Strata 8

Stand Description

This strata is composed of stands 7, 32, and 33. This 9 year old loblolly pine stand is planted on a harvested site with a herbicide application prior to planting. The terrain is flat with heavy equipment use limited to summer and fall months due to the soil type. There 654 trees per acre on the stand. The site index for pine is 90 feet at a base age of 50 years. This strata is 40 acres in size.

Stand Recommendations

This strata will need to be thinned to increase growth and improve stand vigor. This will be done by thinning down to 80 square feet of basal area to open the stand to receive more sunlight and nutrients.

Activity Recommendations

Harvest

This strata will be thinned for the first time to remove the competing stems and increase growth for the next thinning. This thinning will be done as a operator select thin. The thinning will be monitored to insure that all best management guidelines are followed. This will reduce the basal area to 80 square feet and be done in 2019.

Strata 9

Stand Description

This strata is composed of stands 22 and 35. These features are the same as stands. This 13 year old loblolly pine stand is planted on a harvested site with a herbicide application prior to planting. The terrain is flat with heavy equipment use limited to summer and fall months due to the soil type. There 789 trees per acre on the stand. The site index for pine is 90 feet at a base age of 50 years. This stratum is 16 acres in size.

Stand Recommendations

This strata will need to be thinned to increase growth and improve stand vigor. This will be done by thinning down to 80 square feet of basal area to open the stand to receive more sunlight and nutrients. Then a herbicide will be applied to control woody vegetation after sunlight re-enters the stratum.

Activity Recommendations

Vegetation Control

This strata will need herbicide applied to the stand to control competing vegetation that will be present after the stand is thinned. This herbicide will be applied based on label rates and timing. The herbicide application will follow all best management guidelines. This will be done in 2018.

Harvest

This strata will be thinned for the first time to improve growth and to remove competition from under preforming stems in the stand. This will be done by using a operator select thinning method that will promote the best stems to be left to grow to sawtimber size. This thinning is to be done in 2017.

OTHER PLAN ACTIVITIES

Boundary Lines

Line Description

The boundary lines are being maintained to protect the school board property from trespass.

Line Recommendations

The boundary lines will need to be maintained on a 5 to 6 year rotation. The lines will be repainted 2020.

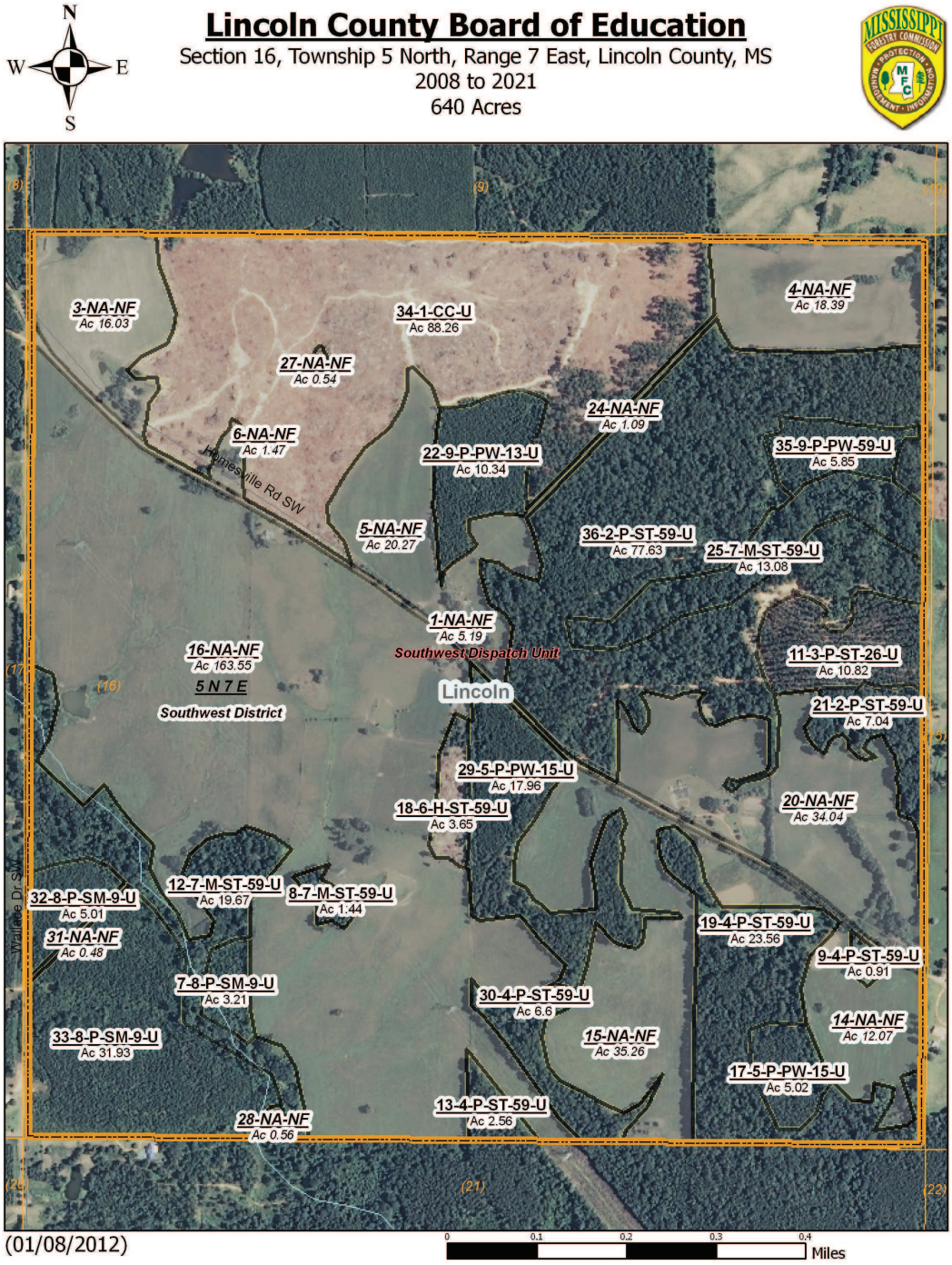
Activity Recommendations

Property Activities

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

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.


Lincoln County Board of Education
Section 16, Township 5 North, Range 7 East, Lincoln County, MS
2008 to 2021
640 Acres
N
W
E
S
3-NA-NF
Ac 16.03
34-1-CC-U
Ac 88.26
4-NA-NF
Ac 18.39
27-NA-NF
Ac 0.54
24-NA-NF
Ac 1.09
6-NA-NF
Ac 1.47
22-9-P-PW-13-U
Ac 10.34
35-9-P-PW-59-U
Ac 5.85
Homesville Rd SW
5-NA-NF
Ac 20.27
36-2-P-ST-59-U
Ac 77.63
25-7-M-ST-59-U
Ac 13.08
1-NA-NF
Ac 5.19
Southwest Dispatch Unit
16-NA-NF
Ac 163.55
5 N 7 E
Southwest District
Lincoln
11-3-P-ST-26-U
Ac 10.82
21-2-P-ST-59-U
Ac 7.04
29-5-P-PW-15-U
Ac 17.96
18-6-H-ST-59-U
Ac 3.65
20-NA-NF
Ac 34.04
12-7-M-ST-59-U
Ac 19.67
8-7-M-ST-59-U
Ac 1.44
32-8-P-SM-9-U
Ac 5.01
Wallace Dr SW
31-NA-NF
Ac 0.48
19-4-P-ST-59-U
Ac 23.56
9-4-P-ST-59-U
Ac 0.91
7-8-P-SM-9-U
Ac 3.21
30-4-P-ST-59-U
Ac 6.6
14-NA-NF
Ac 12.07
33-8-P-SM-9-U
Ac 31.93
15-NA-NF
Ac 35.26
17-5-P-PW-15-U
Ac 5.02
13-4-P-ST-59-U
Ac 2.56
28-NA-NF
Ac 0.56
(01/08/2012)
0
0.1
0.2
0.3
0.4
Miles

Plan::0045_00017_28085_04212008140358

Stand Activity Summary for
Lincoln County School Board
16 5N 7E

Filters Applied:
County:
Client Class:
District:
Client: Lincoln County School Boa
STR: 16 5N 7E
Activity:
Year: 2012 Through 2021

STR	Strata	Stand	Activity	Acre	Est. Cost	Est. Revenue
2013						
16 5N 7E	6	18	Regeneration, Artificial, Plant, Hand, Loblolly	4	$480.00	$0.00
16 5N 7E	6	18	Site Preparation, Chemical, Broadcast, Machine, Woody	4	$600.00	$0.00
			Yearly Totals	8	$1,080.00	$0.00
2014						
16 5N 7E	5	17	Harvest, Mechanical, Thin, Machine, Misc Pine	5	$175.70	$2,021.55
16 5N 7E	5	29	Harvest, Mechanical, Thin, Machine, Misc Pine	18	$630.00	$7,248.60
			Yearly Totals	23	$805.70	$9,270.15
2015						
16 5N 7E	3	11	Harvest, Mechanical, Thin, Machine, Loblolly	11	$378.70	$6,449.80
			Yearly Totals	11	$378.70	$6,449.80
2016						
16 5N 7E	3	11	getation Control, Chemical, MRVM (Mid Rotation Vegetative Mgmt), Machine, Woc	11	$1,623.00	$0.00
16 5N 7E	5	17	getation Control, Chemical, MRVM (Mid Rotation Vegetative Mgmt), Machine, Woc	5	$750.00	$0.00
16 5N 7E	5	29	getation Control, Chemical, MRVM (Mid Rotation Vegetative Mgmt), Machine, Woc	18	$2,694.00	$0.00
			Yearly Totals	34	$5,067.00	$0.00
2017						
16 5N 7E	2	21	Harvest, Mechanical, Final, Machine, Misc Pine	7	$246.40	$11,224.36
16 5N 7E	2	36	Harvest, Mechanical, Final, Machine, Misc Pine	78	$2,717.05	$123,770.94

STR	Strata	Stand	Activity	Acre	Est. Cost	Est. Revenue
16 5N 7E	9	22	Harvest, Mechanical, Thin, Machine, Loblolly	10	$350.00	$2,500.00
16 5N 7E	9	35	Harvest, Mechanical, Thin, Machine, Loblolly	6	$204.75	$1,462.50
			Yearly Totals	101	$3,518.20	$138,957.81
2018						
16 5N 7E	1	34	Site Preparation, Chemical, Broadcast, Machine, Woody	88	$13,200.00	$0.00
16 5N 7E	1	34	Regeneration, Artificial, Plant, Hand, Loblolly	88	$10,560.00	$0.00
16 5N 7E	2	21	Site Preparation, Chemical, Broadcast, Machine, Woody	7	$1,056.00	$0.00
16 5N 7E	2	21	Regeneration, Artificial, Plant, Hand, Loblolly	7	$844.80	$0.00
16 5N 7E	2	36	Site Preparation, Chemical, Broadcast, Machine, Woody	78	$11,644.50	$0.00
16 5N 7E	2	36	Regeneration, Artificial, Plant, Hand, Loblolly	78	$9,315.60	$0.00
16 5N 7E	4	9	Harvest, Mechanical, Final, Machine, Misc Pine	1	$31.85	$1,584.69
16 5N 7E	4	13	Harvest, Mechanical, Final, Machine, Misc Pine	3	$89.60	$4,458.04
16 5N 7E	4	19	Harvest, Mechanical, Final, Machine, Misc Pine	24	$840.00	$41,794.08
16 5N 7E	4	30	Harvest, Mechanical, Final, Machine, Misc Pine	7	$231.00	$11,493.37
16 5N 7E	9	22	getation Control, Chemical, MRVM (Mid Rotation Vegetative Mgmt), Machine, Woc	10	$1,240.80	$0.00
16 5N 7E	9	35	getation Control, Chemical, MRVM (Mid Rotation Vegetative Mgmt), Machine, Woc	6	$702.00	$0.00
			Yearly Totals	396	$49,756.15	$59,330.18
2019						
16 5N 7E	4	9	Regeneration, Artificial, Plant, Hand, Loblolly	1	$109.20	$0.00
16 5N 7E	4	9	Site Preparation, Chemical, Broadcast, Machine, Woody	1	$136.50	$0.00
16 5N 7E	4	13	Regeneration, Artificial, Plant, Hand, Loblolly	3	$307.20	$0.00
16 5N 7E	4	13	Site Preparation, Chemical, Broadcast, Machine, Woody	3	$384.00	$0.00
16 5N 7E	4	19	Regeneration, Artificial, Plant, Hand, Loblolly	24	$2,827.20	$0.00

STR	Strata	Stand	Activity	Acre	Est. Cost	Est. Revenue
16 5N 7E	4	19	Site Preparation, Chemical, Broadcast, Machine, Woody	24	$3,534.00	$0.00
16 5N 7E	4	30	Regeneration, Artificial, Plant, Hand, Loblolly	7	$792.00	$0.00
16 5N 7E	4	30	Site Preparation, Chemical, Broadcast, Machine, Woody	7	$990.00	$0.00
16 5N 7E	8	7	Harvest, Mechanical, Thin, Machine, Misc Pine	3	$105.00	$1,208.10
16 5N 7E	8	32	Harvest, Mechanical, Thin, Machine, Misc Pine	5	$175.35	$2,017.53
16 5N 7E	8	33	Harvest, Mechanical, Thin, Machine, Misc Pine	32	$1,120.00	$12,886.40
			Yearly Totals	107	$10,480.45	$16,112.03
			Grand Totals	**679**	**$71,086.20**	**$230,119.97**