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# FOREST STEWARDSHIP MANAGEMENT PLAN

Prepared For:  
Greene County BOE

Prepared By:  
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MS Forestry Commission

Time Period Covered by This Plan:  
2012 - 2021

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Stewardship / Stewardship

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

**Property Name: S16 - T5N - R7W**

MISSISSIPPI FOREST STEWARDSHIP PROGRAM

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**LANDOWNER INFORMATION**

Name: Greene County BOE  
Mailing Address: 528 West Oak Street  
City, State, Zip: Leakesville, MS 39451  
Country: United States of America  
Contact Numbers: Home Number:  
Office Number: 601-394-2364  
Fax Number: 601-394-5542  
  
E-mail Address:  
Social Security Number (optional): 646000392

**FORESTER INFORMATION**

Name: James Shumpert , Service Forester  
Forester Number: 02470  
Organization: MS Forestry Commission  
Street Address: P.O. Box 428  
City, State, Zip: Leakesville , MS 39451  
Contact Numbers: Office Number: 601-394-2785  
Fax Number: 601-947-2947  
  
E-mail Address: jshumpert@mfc.state.ms.us

**PROPERTY LOCATION**

County:	Greene	Total Acres:	644	Latitude:	-88.7	Longitude:	31.4
Section:	16	Township:	5N	Range:	7W		

**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*

The section is located in the Piave Community of Greene County and is accessed by the Piave Plaza Road and Red Hill Road. The property also has a good network of woods roads throughout it.

The section is drained to the west by heads of Hellhole Creek and is drained to the east by heads of Mason Creek. The drains are primarily comprised of mixed species of hardwood pulpwood and some hardwood sawtimber with some slash pine sawtimber mixed through these drains.

The upland sites in this section are comprised of loblolly pine plantations and natural stands of mixed loblolly, slash, and longleaf pine sawtimber.

These areas represent a total of  $\pm$  638 forested acres in timber management. In addition, this section has  $\pm$  6 non-forested acres with no forest management activities planned.

The soils on this section are primarily sandy loam in nature.

*Water Resources*

This section is drained to the west by heads of Hellhole Creek and is drained to the east by heads of Mason Creek. Perennial and intermittent streams and drains identified will be managed in accordance with Mississippi's Best Management Practices.

*Archeological and Cultural Resources*

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

No Archeological or Cultural resources were identified during a reconnaissance of the property. However, if Archeological or Cultural resources are discovered anytime on the

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property special managements measures will be applied immediately in order preserve these sensitive areas.

*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*

The property was evaluated for the presence of threatened and endangered (T&E) species. Evidence of gopher tortoises was found on portions of this property. A more intense survey should be conducted to identify all gopher tortoise burrows within the boundaries of the property. Management activities should be designed and implemented to protect this species where the tortoise burrows are found.

*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 soils on this section are primarily sandy loam in nature.

## **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:

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- 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.

### Cogongrass Control

Cogongrass is present on every School Trust section in Greene County. While it appears that total eradication of this invasive species is impossible, every precaution must be made to prevent further spread. Treatment costs for cogongrass control are not addressed in the activities portion of this plan due to the uncertainty of the extent of cogongrass infestation on each section. An assessment is now being made to determine the best way to treat this problem.

### *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.

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*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.

*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.

*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.

## **STANDS**

*1-5-M-ST-57-U (46 Acres)*

**Stand Description**

The stand consists of mixture of natural slash and longleaf pine sawtimber with some scattered red oaks, turkey oaks, dogwoods, and other various hardwood species that was originated in 1956. The stand has an average DBH of 14, with a basal area of 114, and 138 trees per acre. The soils on the site are primarily sandy loam in nature. The site has also had several prescribe burns done to control underbrush and undesirable species.

**Stand Recommendations**

The stand is recommended to have a final harvest conducted on it in 2020. Once, all of the merchantable timber has been removed the stand needs to have a chemical site preparation, a prescribe burn, and planted with either longleaf or loblolly pine seedlings.

**Activity Recommendations**

**Harvest**

The stand should have a final harvest conducted on it in 2020 and remove all merchantable timber.

*3-1-M-PW-49-B (21 Acres)*

**Stand Description**

The stand is made up of small creeks and drains, which will be managed as a Streamside Management Zone (SMZ). The timber type is primarily hardwood pulpwood with some

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scattered slash pine sawtimber mixed in. The primary species of hardwood are sweet bay, black gum, red maple, yellow poplar, beech, magnolia, and water oak.

**Stand Recommendations**

The stand should have all merchantable pine that is over mature, damaged, suppress, and diseased marked to be remove when the adjacent stand's harvest is conduct. The basal area will be reduce to no lower than 55 so it will open the tree canopy and increase the diameter and height of the remaining timber. All Mississippi's Best Management Practices (BMP's) will be followed when harvest is conducted.

The stand is recommended to be managed as a corridor to provide wildlife species food and cover, and to preserve water quality.

*4-1-M-PW-49-B (10 Acres)*

**Stand Description**

The stand is made up of small creeks and drains, which will be managed as a Streamside Management Zone (SMZ). The timber type is primarily hardwood pulpwood with some scattered slash pine sawtimber mixed in. The primary species of hardwood are sweet bay, black gum, red maple, yellow poplar, beech, magnolia, and water oak.

**Stand Recommendations**

The stand should have all merchantable pine that is over mature, damaged, suppress, and diseased marked to be remove when the adjacent stand's harvest is conduct. The basal area will be reduce to no lower than 55 so it will open the tree canopy and increase the diameter and height of the remaining timber. All Mississippi's Best Management Practices (BMP's) will be followed when harvest is conducted.

The stand is recommended to be managed as a corridor to provide wildlife species food and cover, and to preserve water quality.

*5-1-M-PW-49-B (14 Acres)*

**Stand Description**

The stand is made up of small creeks and drains, which will be managed as a Streamside Management Zone (SMZ). The timber type is primarily hardwood pulpwood with some scattered slash pine sawtimber mixed in. The primary species of hardwood are sweet bay, black gum, red maple, yellow poplar, beech, magnolia, and water oak.

**Stand Recommendations**

The stand should have all merchantable pine that is over mature, damaged, suppress, and diseased marked to be remove when the adjacent stand's harvest is conduct. The basal



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area will be reduce to no lower than 55 so it will open the tree canopy and increase the diameter and height of the remaining timber. All Mississippi's Best Management Practices (BMP's) will be followed when harvest is conducted.

The stand is recommended to be managed as a corridor to provide wildlife species food and cover, and to preserve water quality.

*6-1-M-PW-49-B (12 Acres)*

**Stand Description**

The stand is made up of small creeks and drains, which will be managed as a Streamside Management Zone (SMZ). The timber type is primarily hardwood pulpwood with some scattered slash pine sawtimber mixed in. The primary species of hardwood are sweet bay, black gum, red maple, yellow poplar, beech, magnolia, and water oak.

**Stand Recommendations**

The stand should have all merchantable pine that is over mature, damaged, suppress, and diseased marked to be remove when the adjacent stand's harvest is conduct. The basal area will be reduce to no lower than 55 so it will open the tree canopy and increase the diameter and height of the remaining timber. All Mississippi's Best Management Practices (BMP's) will be followed when harvest is conducted.

The stand is recommended to be managed as a corridor to provide wildlife species food and cover, and to preserve water quality.

*9-2-P-CS-27-U (39 Acres)*

**Stand Description**

The stand is a loblolly pine plantation that was planted in 1987 and was thinned in 2007; the stand is now in the chip-n-saw product class. It has an average DBH of 9, with a basal area of 64, and 154 trees per acres. It is located east of the Red Hill Road.

**Stand Recommendations**

The stand is recommended to be thinned in 2017. A prescribe burn should be carried out every three or four years to control undesirable vegetation and hardwood species.

**Activity Recommendations**

**Fire Protection**

A prescribed fire is recommended for this site in order to reduce fuel loading and the potential for a wildfire to occur. A prescribed burning plan must be developed and followed in the application of the burn. Because of equipment, personnel and weather requirements, the application of a prescribed fire is limited to only those days that

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meet requirements of the burning plan. A certified prescribed burning manager should be employed to conduct the burn. The Mississippi Forestry Commission (on a limited basis) and other certified prescribed burning vendors are available to conduct prescribed burning.

The stand is recommended to have a prescribe burn conducted in 2013 and again in 2020 to reduce the amount of undesirable vegetation and hardwood completion.

**Harvest**

The stand should have a marked thin in 2017 to remove all merchantable pines that do not have a DBH of 10 inches or above.

*10-1-M-PW-49-B (13 Acres)*

**Stand Description**

The stand is made up of small creeks and drains, which will be managed as a Streamside Management Zone (SMZ). The timber type is primarily hardwood pulpwood with some scattered slash pine sawtimber mixed in. The primary species of hardwood are sweet bay, black gum, red maple, yellow poplar, beech, magnolia, and water oak.

**Stand Recommendations**

The stand should have all merchantable pine that is over mature, damaged, suppress, and diseased marked to be remove when the adjacent stand's harvest is conduct. The basal area will be reduce to no lower than 55 so it will open the tree canopy and increase the diameter and height of the remaining timber. All Mississippi's Best Management Practices (BMP's) will be followed when harvest is conducted.

The stand is recommended to be managed as a corridor to provide wildlife species food and cover, and to preserve water quality.

*12-1-M-PW-49-B (2 Acres)*

**Stand Description**

The stand is made up of small creeks and drains, which will be managed as a Streamside Management Zone (SMZ). The timber type is primarily hardwood pulpwood with some scattered slash pine sawtimber mixed in. The primary species of hardwood are sweet bay, black gum, red maple, yellow poplar, beech, magnolia, and water oak.

**Stand Recommendations**

The stand should have all merchantable pine that is over mature, damaged, suppress, and diseased marked to be remove when the adjacent stand's harvest is conduct. The basal area will be reduce to no lower than 55 so it will open the tree canopy and increase the

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diameter and height of the remaining timber. All Mississippi's Best Management Practices (BMP's) will be followed when harvest is conducted.

The stand is recommended to be managed as a corridor to provide wildlife species food and cover, and to preserve water quality.

*11-3-M-ST-57-U (82 Acres)*

**Stand Description**

The stand consists of mixture of natural slash and longleaf pine sawtimber with some scattered red oaks, turkey oaks, dogwoods, and other various hardwood species that was originated in 1956. The stand has an average DBH of 14, with a basal area of 114, and 138 trees per acre. The soils on the site are primarily sandy loam in nature. The site has also had several prescribe burns done to control underbrush and undesirable species.

**Stand Recommendations**

The stand is recommended to have a final harvest conducted on it in 2019. Once, all of the merchantable timber has been removed the stand needs to have a chemical site preparation, then be burned to remove all debris from the site, and planted with loblolly pine seedlings in 2021.

**Activity Recommendations**

**Fire Protection**

A prescribed fire is recommended for this site in order to reduce fuel loading and the potential for a wildfire to occur. A prescribed burning plan must be developed and followed in the application of the burn. Because of equipment, personnel and weather requirements, the application of a prescribed fire is limited to only those days that meet requirements of the burning plan. A certified prescribed burning manager should be employed to conduct the burn. The Mississippi Forestry Commission (on a limited basis) and other certified prescribed burning vendors are available to conduct prescribed burning.

The stand is recommended to have a prescribe burn conducted in 2013 to reduce the amount of undesirable vegetation and hardwood completion.

**Harvest**

The stand should have a final harvest conducted on it in 2019 and remove all merchantable timber.

**Site Preparation**

The stand is recommended to have an aerial application of herbicides applied in the summer prior to replanting. The application of herbicide will reduce the amount of

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competing vegetation on the stand, which will provide an establishment period for the pine seedling that will be planted the following winter.

**Site Preparation**

The stand should be burned six to eight weeks after the chemical application has been applied to reduce debris that may impede tree planting.

**Regeneration**

The site will be planted during January of 2021 with genetically improved loblolly or containerized longleaf pine seedlings on a 6 by 12 foot spacing with a target of 605 trees per acre.

*14-4-M-ST-57-U (86 Acres)*

**Stand Description**

The stand consists of mixture of natural slash and longleaf pine sawtimber with some scattered red oaks, turkey oaks, dogwoods, and other various hardwood species that was originated in 1956. The stand has an average DBH of 14, with a basal area of 114, and 138 trees per acre. The soils on the site are primarily sandy loam in nature. The site has also had several prescribe burns done to control underbrush and undesirable species.

**Stand Recommendations**

The stand is recommended to have a final harvest conducted on it in 2015. Once, all of the merchantable timber has been removed the stand needs to have a chemical site preparation, and planted with either longleaf or loblolly pine seedlings in 2017.

**Activity Recommendations**

**Harvest**

The stand should have a final harvest conducted on it in 2015 and remove all merchantable timber.

**Site Preparation**

The stand is recommended to have an aerial application of herbicides applied in the summer prior to replanting. The application of herbicide will reduce the amount of competing vegetation on the stand, which will provide an establishment period for the pine seedling that will be planted the following winter.

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**Site Preparation**

The stand should be burned six to eight weeks after the chemical application has been applied to reduce debris that may impede tree planting.

**Regeneration**

The site will be planted during January of 2017 with genetically improved loblolly or containerized longleaf pine seedlings on a 6 by 12 foot spacing with a target of 605 trees per acre.

*13-2-P-CS-27-U (29 Acres)*

**Stand Description**

The stand is a loblolly pine plantation that was planted in 1987 and was thinned in 2007; the stand is now in the chip-n-saw product class. It has an average DBH of 9, with a basal area of 64, and 154 trees per acres. It is located east of the Red Hill Road.

**Stand Recommendations**

The stand is recommended to be thinned in 2017. A prescribe burn should be carried out every three or four years to control undesirable vegetation and hardwood species.

**Activity Recommendations**

**Fire Protection**

A prescribed fire is recommended for this site in order to reduce fuel loading and the potential for a wildfire to occur. A prescribed burning plan must be developed and followed in the application of the burn. Because of equipment, personnel and weather requirements, the application of a prescribed fire is limited to only those days that meet requirements of the burning plan. A certified prescribed burning manager should be employed to conduct the burn. The Mississippi Forestry Commission (on a limited basis) and other certified prescribed burning vendors are available to conduct prescribed burning.

The stand is recommended to have a prescribe burn conducted in 2013 and again in 2020 to reduce the amount of undesirable vegetation and hardwood completion.

**Harvest**

The stand should have a marked thin in 2017 to remove all merchantable pines that do not have a DBH of 10 inches or above.

*15-1-M-PW-49-B (3 Acres)*

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**Stand Description**

The stand is made up of small creeks and drains, which will be managed as a Streamside Management Zone (SMZ). The timber type is primarily hardwood pulpwood with some scattered slash pine sawtimber mixed in. The primary species of hardwood are sweet bay, black gum, red maple, yellow poplar, beech, magnolia, and water oak.

**Stand Recommendations**

The stand should have all merchantable pine that is over mature, damaged, suppress, and diseased marked to be remove when the adjacent stand's harvest is conduct. The basal area will be reduce to no lower than 55 so it will open the tree canopy and increase the diameter and height of the remaining timber. All Mississippi's Best Management Practices (BMP's) will be followed when harvest is conducted.

The stand is recommended to be managed as a corridor to provide wildlife species food and cover, and to preserve water quality.

*16-2-P-CS-27-U (35 Acres)*

**Stand Description**

The stand is a loblolly pine plantation that was planted in 1987 and was thinned in 2007; the stand is now in the chip-n-saw product class. It has an average DBH of 9, with a basal area of 64, and 154 trees per acres. It is located east of the Red Hill Road.

**Stand Recommendations**

The stand is recommended to be thinned in 2017. A prescribe burn should be carried out every three or four years to control undesirable vegetation and hardwood species.

**Activity Recommendations**

**Harvest**

The stand should have a marked thin in 2017 to remove all merchantable pines that do not have a DBH of 10 inches or above.

**Fire Protection**

A prescribed fire is recommended for this site in order to reduce fuel loading and the potential for a wildfire to occur. A prescribed burning plan must be developed and followed in the application of the burn. Because of equipment, personnel and weather requirements, the application of a prescribed fire is limited to only those days that meet requirements of the burning plan. A certified prescribed burning manager should be employed to conduct the burn. The Mississippi Forestry Commission (on a limited basis) and other certified prescribed burning vendors are available to conduct prescribed burning.

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The stand is recommended to have a prescribe burn conducted in 2013 and again in 2020 to reduce the amount of undesirable vegetation and hardwood completion.

*17-1-M-PW-49-B (12 Acres)*

**Stand Description**

The stand is made up of small creeks and drains, which will be managed as a Streamside Management Zone (SMZ). The timber type is primarily hardwood pulpwood with some scattered slash pine sawtimber mixed in. The primary species of hardwood are sweet bay, black gum, red maple, yellow poplar, beech, magnolia, and water oak.

**Stand Recommendations**

The stand should have all merchantable pine that is over mature, damaged, suppress, and diseased marked to be remove when the adjacent stand's harvest is conduct. The basal area will be reduce to no lower than 55 so it will open the tree canopy and increase the diameter and height of the remaining timber. All Mississippi's Best Management Practices (BMP's) will be followed when harvest is conducted.

The stand is recommended to be managed as a corridor to provide wildlife species food and cover, and to preserve water quality.

*18-1-M-PW-49-B (1 Acre)*

**Stand Description**

The stand is made up of small creeks and drains, which will be managed as a Streamside Management Zone (SMZ). The timber type is primarily hardwood pulpwood with some scattered slash pine sawtimber mixed in. The primary species of hardwood are sweet bay, black gum, red maple, yellow poplar, beech, magnolia, and water oak.

**Stand Recommendations**

The stand should have all merchantable pine that is over mature, damaged, suppress, and diseased marked to be remove when the adjacent stand's harvest is conduct. The basal area will be reduce to no lower than 55 so it will open the tree canopy and increase the diameter and height of the remaining timber. All Mississippi's Best Management Practices (BMP's) will be followed when harvest is conducted.

The stand is recommended to be managed as a corridor to provide wildlife species food and cover, and to preserve water quality.

*19-3-M-ST-57-U (116 Acres)*

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**Stand Description**

The stand consists of mixture of natural slash and longleaf pine sawtimber with some scattered red oaks, turkey oaks, dogwoods, and other various hardwood species that was originated in 1956. The stand has an average DBH of 14, with a basal area of 114, and 138 trees per acre. The soils on the site are primarily sandy loam in nature. The site has also had several prescribe burns done to control underbrush and undesirable species.

**Stand Recommendations**

The stand is recommended to have a final harvest conducted on it in 2018. Once, all of the merchantable timber has been removed the stand needs to have a chemical site preparation, then be burned to remove all debris from the site, and planted with loblolly pine seedlings in 2020.

**Activity Recommendations**

**Fire Protection**

A prescribed fire is recommended for this site in order to reduce fuel loading and the potential for a wildfire to occur. A prescribed burning plan must be developed and followed in the application of the burn. Because of equipment, personnel and weather requirements, the application of a prescribed fire is limited to only those days that meet requirements of the burning plan. A certified prescribed burning manager should be employed to conduct the burn. The Mississippi Forestry Commission (on a limited basis) and other certified prescribed burning vendors are available to conduct prescribed burning.

The stand is recommended to have a prescribe burn conducted in 2013 to reduce the amount of undesirable vegetation and hardwood completion.

**Harvest**

The stand should have a final harvest conducted on it in 2018 and remove all merchantable timber.

**Site Preparation**

The stand is recommended to have an aerial application of herbicides applied in the summer prior to replanting. The application of herbicide will reduce the amount of competing vegetation on the stand, which will provide an establishment period for the pine seedling that will be planted the following winter.



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**Site Preparation**

The stand should be burned six to eight weeks after the chemical application has been applied to reduce debris that may impede tree planting.

**Regeneration**

The site will be planted during January of 2020 with genetically improved loblolly or containerized longleaf pine seedlings on a 6 by 12 foot spacing with a target of 605 trees per acre.

*20-3-M-ST-57-U (48 Acres)*

**Stand Description**

The stand consists of mixture of natural slash and longleaf pine sawtimber with some scattered red oaks, turkey oaks, dogwoods, and other various hardwood species that was originated in 1956. The stand has an average DBH of 14, with a basal area of 114, and 138 trees per acre. The soils on the site are primarily sandy loam in nature. The site has also had several prescribe burns done to control underbrush and undesirable species.

**Stand Recommendations**

The stand is recommended to have a final harvest conducted on it in 2017. Once, all of the merchantable timber has been removed the stand needs to have a chemical site preparation, then be burned to remove all debris from the site, and planted with loblolly pine seedlings in 2019.

**Activity Recommendations**

**Fire Protection**

A prescribed fire is recommended for this site in order to reduce fuel loading and the potential for a wildfire to occur. A prescribed burning plan must be developed and followed in the application of the burn. Because of equipment, personnel and weather requirements, the application of a prescribed fire is limited to only those days that meet requirements of the burning plan. A certified prescribed burning manager should be employed to conduct the burn. The Mississippi Forestry Commission (on a limited basis) and other certified prescribed burning vendors are available to conduct prescribed burning.

The stand is recommended to have a prescribe burn conducted in 2013 to reduce the amount of undesirable vegetation and hardwood completion.

**Harvest**

The stand should have a final harvest conducted on it in 2017 and remove all merchantable timber.

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**Site Preparation**

The stand is recommended to have an aerial application of herbicides applied in the summer prior to replanting. The application of herbicide will reduce the amount of competing vegetation on the stand, which will provide an establishment period for the pine seedling that will be planted the following winter.

**Site Preparation**

The stand should be burned six to eight weeks after the chemical application has been applied to reduce debris that may impede tree planting.

**Regeneration**

The site will be planted during January of 2019 with genetically improved loblolly or containerized longleaf pine seedlings on a 6 by 12 foot spacing with a target of 605 trees per acre.

*21-3-M-ST-57-U (71 Acres)*

**Stand Description**

The stand consists of mixture of natural slash and longleaf pine sawtimber with some scattered red oaks, turkey oaks, dogwoods, and other various hardwood species that was originated in 1956. The stand has an average DBH of 14, with a basal area of 114, and 138 trees per acre. The soils on the site are primarily sandy loam in nature. The site has also had several prescribe burns done to control underbrush and undesirable species.

**Stand Recommendations**

The stand is recommended to have a final harvest conducted on it in 2016. Once, all of the merchantable timber has been removed the stand needs to have a chemical site preparation, then be burned to remove all debris from the site, and planted with loblolly pine seedlings in 2018.

**Activity Recommendations**

**Fire Protection**

A prescribed fire is recommended for this site in order to reduce fuel loading and the potential for a wildfire to occur. A prescribed burning plan must be developed and followed in the application of the burn. Because of equipment, personnel and weather requirements, the application of a prescribed fire is limited to only those days that meet requirements of the burning plan. A certified prescribed burning manager should be employed to conduct the burn. The Mississippi Forestry Commission (on a limited basis) and other certified prescribed burning vendors are available to conduct prescribed burning.

The stand is recommended to have a prescribe burn conducted in 2013 to reduce the amount of undesirable vegetation and hardwood completion.

**MISSISSIPPI FORESTRY COMMISSION  
FOREST STEWARDSHIP MANAGEMENT PLAN**

**Harvest**

The stand should have a final harvest conducted on it in 2016 and remove all merchantable timber.

**Site Preparation**

The stand is recommended to have an aerial application of herbicides applied in the summer prior to replanting. The application of herbicide will reduce the amount of competing vegetation on the stand, which will provide an establishment period for the pine seedling that will be planted the following winter.

**Site Preparation**

The stand should be burned six to eight weeks after the chemical application has been applied to reduce debris that may impede tree planting.

**Regeneration**

The site will be planted during January of 2018 with genetically improved loblolly or containerized longleaf pine seedlings on a 6 by 12 foot spacing with a target of 605 trees per acre.

**OTHER PLAN ACTIVITIES**

*Boundary Lines*

**Line Recommendations**

The section's boundary lines are well established and recommended to be maintained on a five year rotation.

**Activity Recommendations**

**Property Activities**

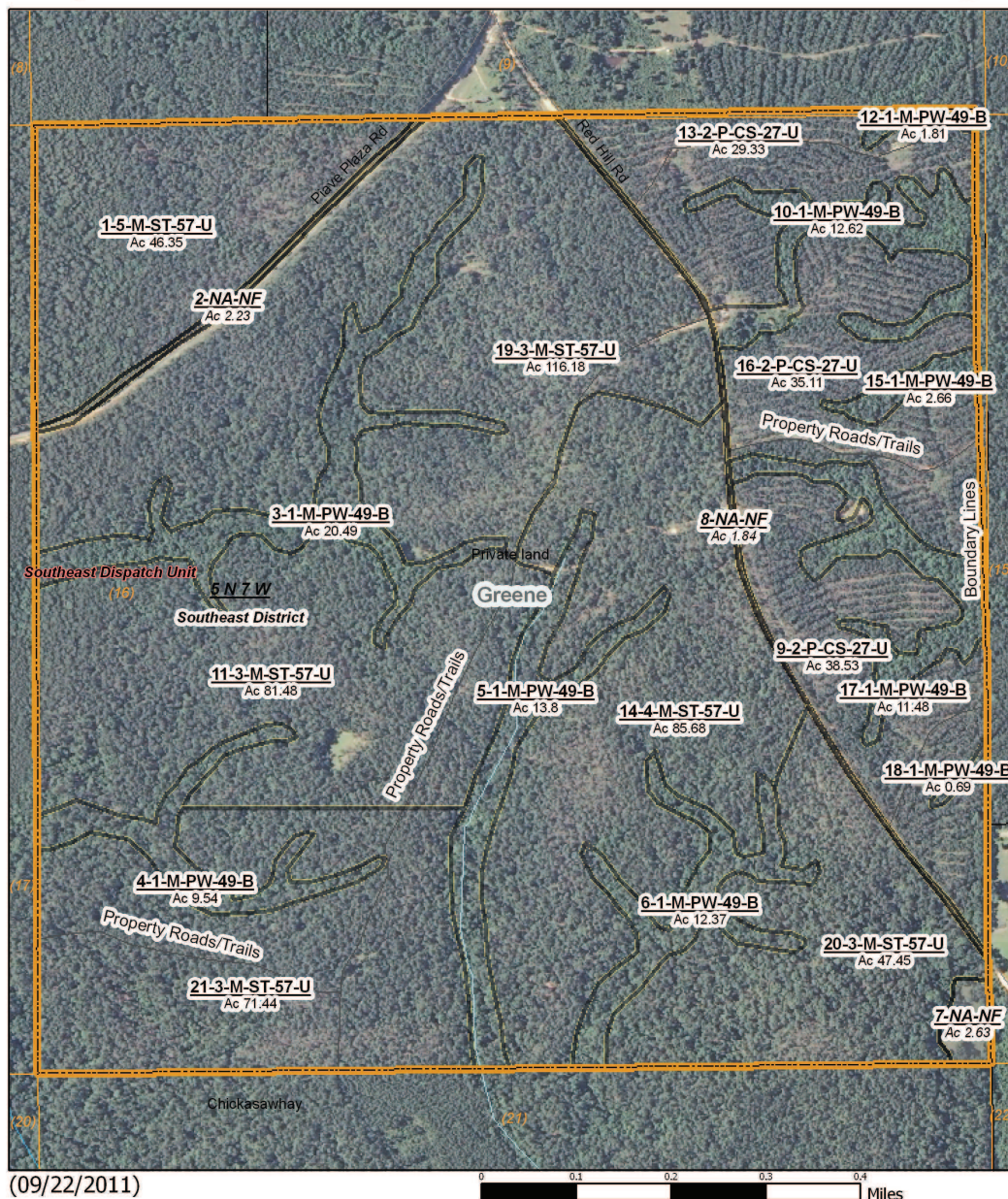
The boundary line will be painted in 2012, 2017, and will be maintained on a 5 year cycle. Routine inspections and general maintenance of the boundary lines will ensure overall appearance and aesthetics of the property.

# Map 1



## Section 16, Township 05 North, Range 07 West

Red Hill Road  
2012 to 2021  
643.72 Acres



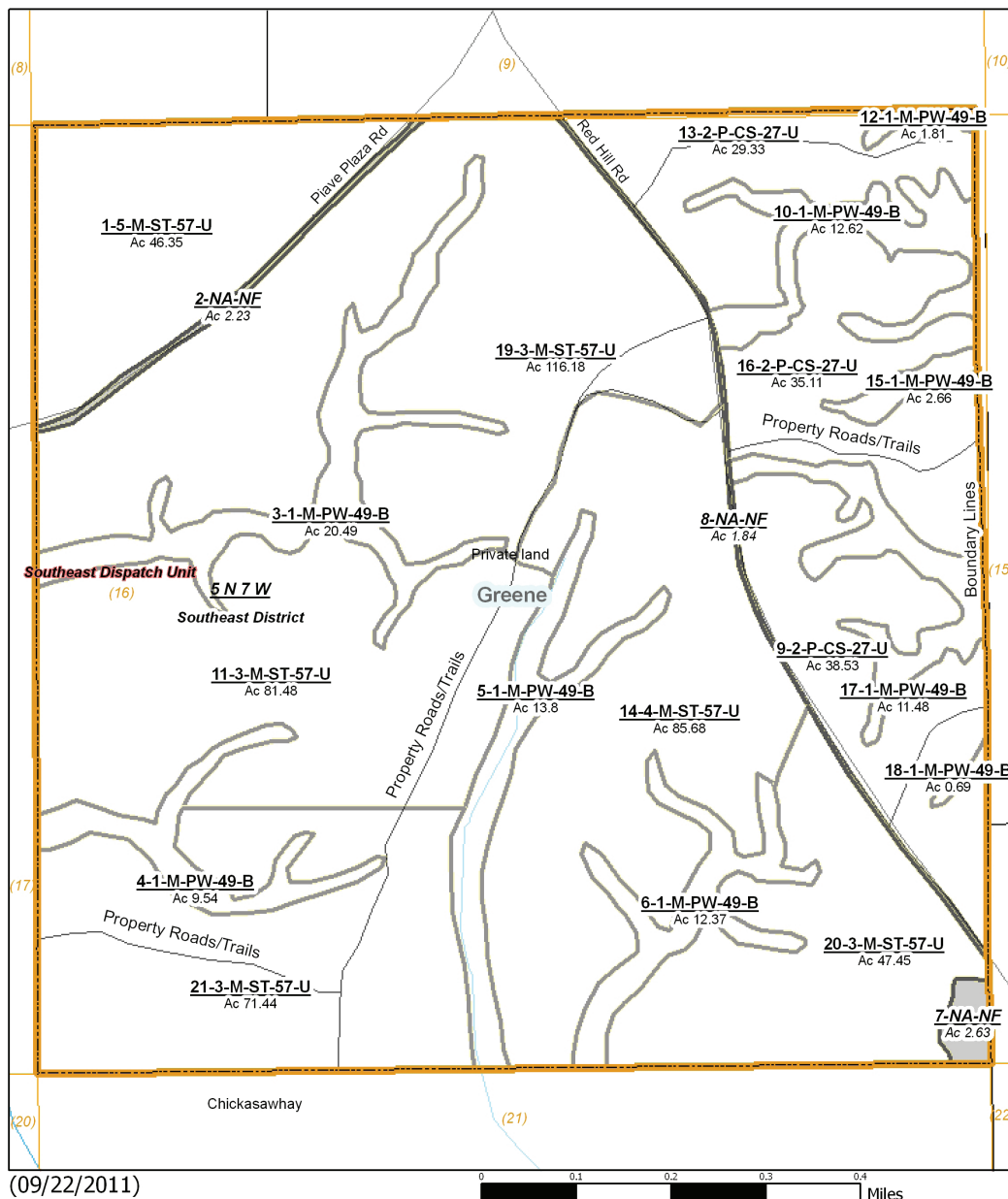


# Map 2



## Section 16, Township 05 North, Range 07 West

Red Hill Road  
2012 to 2021  
643.72 Acres

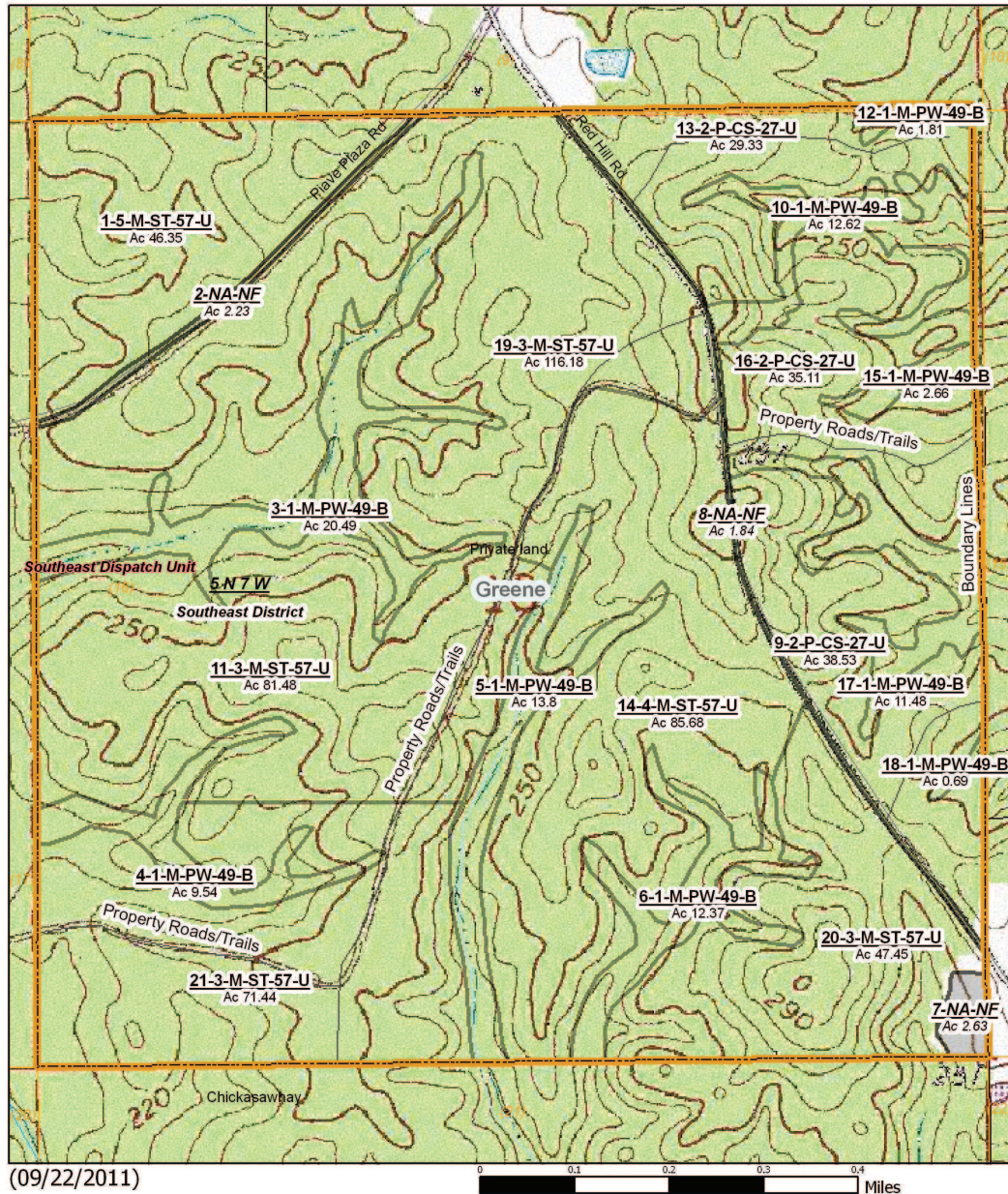


# Map 3



## Section 16, Township 05 North, Range 07 West

Red Hill Road  
2012 to 2021  
643.72 Acres







# Legend





## Section 16, Township 05 North, Range 07 West

Property  
 Property (1)


Category 1: Stands  
 Sawtimber (6)  
 Pulpwood (9)  
 Chip-n-Saw (3)


Category 3: Non-Forest Stands  
 Non-Forest (3)


Property Roads/Trails  
 Access Road (6)


Boundary Lines  
 Property (1)


## 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) (2)


Block (Census 2000)  
 Block (Census 2000) (3)

Tract/BNA (Census 2000)  
 Tract/BNA (Census 2000) (1)

County Roads  
 County Roads (4)


School Sections  
 School Sections (1)


Public School Districts  
 GREENE COUNTY SCHOOL DISTRICT (1)


US Congressional District  
 US Cong Dist #4 (1)


MS Senate  
 43 (1)


MS House  
 105 (1)


Intermittent Streams  
 Intermittent Streams (1)


Hydrologic Units (Basins)  
 LOWER CHICKASAWHAY RIVER (1)


Historic Forest Boundary  
 Longleaf Pine with Loblolly Pine-Slash Pine (1)

MS Forest Habitat  
 SOUTHERN CLAY HILLS (1)

Physiographic Region  
 Pine Belt (1)


Soil Associations  
 prentiss-rosella-benndale (1)


Surface Geology  
 PASCAGOULA/HATTIESBURG (1)


Wildlife Management Areas  
 Wildlife Management Areas (2)

USFS Ownership  
 Private (1)  
 Forest Service (1)

USFS Boundary  
 Desoto (1)

MFC Districts  
 MFC Districts (1)

MFC Dispatch Units  
 MFC Dispatch Units (1)

MS Outline  
 MS Outline (1)

Stand Activity Schedule for  
Greene County BOE  
16 5N 7W

Strata	Stand	Activity	Acre	Est. Cost	Est. Revenue
<b>2013</b>					
2	9	Fire Protection, Other, Burn, Hand, Fuel Reduction	39	\$963.25	\$0.00
2	13	Fire Protection, Other, Burn, Hand, Fuel Reduction	29	\$733.25	\$0.00
2	16	Fire Protection, Other, Burn, Hand, Fuel Reduction	35	\$877.75	\$0.00
3	11	Fire Protection, Other, Burn, Hand, Fuel Reduction	81	\$2,025.00	\$0.00
4	19	Fire Protection, Other, Burn, Hand, Fuel Reduction	116	\$2,900.00	\$0.00
6	21	Fire Protection, Other, Burn, Hand, Fuel Reduction	71	\$1,775.00	\$0.00
7	20	Fire Protection, Other, Burn, Hand, Fuel Reduction	47	\$1,175.00	\$0.00
Yearly Totals			418	\$10,449.25	\$0.00
<b>2015</b>					
4	14	Harvest, Mechanical, Final, Machine, Loblolly	86	\$3,010.00	\$257,695.56
Yearly Totals			86	\$3,010.00	\$257,695.56
<b>2016</b>					
6	21	Harvest, Mechanical, Final, Machine, Misc Pine	71	\$1,775.00	\$0.00
Yearly Totals			71	\$1,775.00	\$0.00
<b>2017</b>					
2	9	Harvest, Mechanical, 2nd Thin, Machine, Loblolly	39	\$0.00	\$13,143.35
2	13	Harvest, Mechanical, 2nd Thin, Machine, Loblolly	29	\$0.00	\$10,005.05
2	16	Harvest, Mechanical, 2nd Thin, Machine, Loblolly	35	\$0.00	\$11,939.20
4	14	Site Preparation, Chemical, Broadcast, Aerial, Combination	86	\$7,740.00	\$0.00
4	14	Regeneration, Artificial, Re-Seed, Machine, Loblolly	86	\$6,880.00	\$0.00



Strata	Stand	Activity	Acre	Est. Cost	Est. Revenue
4	14	Site Preparation, Other, Burn, Hand, Debris	86	\$2,150.00	\$0.00
7	20	Harvest, Mechanical, Final, Machine, Misc Pine	47	\$1,645.00	\$90,003.12
Yearly Totals			408	\$18,415.00	\$125,090.72
<b>2018</b>					
4	19	Harvest, Mechanical, Final, Machine, Misc Pine	116	\$4,060.00	\$222,135.36
6	21	Site Preparation, Other, Burn, Hand, Cut-Over	71	\$1,775.00	\$0.00
6	21	Site Preparation, Chemical, Broadcast, Aerial, Woody	71	\$6,390.00	\$0.00
6	21	Regeneration, Artificial, Plant, Hand, Loblolly	71	\$5,680.00	\$0.00
Yearly Totals			329	\$17,905.00	\$222,135.36
<b>2019</b>					
3	11	Harvest, Mechanical, Final, Machine, Misc Pine	81	\$2,835.00	\$155,111.76
7	20	Regeneration, Artificial, Plant, Hand, Loblolly	47	\$3,760.00	\$0.00
7	20	Site Preparation, Chemical, Broadcast, Aerial, Woody	47	\$4,230.00	\$0.00
7	20	Site Preparation, Other, Burn, Hand, Cut-Over	47	\$1,175.00	\$0.00
Yearly Totals			222	\$12,000.00	\$155,111.76
<b>2020</b>					
4	19	Regeneration, Artificial, Plant, Hand, Loblolly	116	\$9,280.00	\$0.00
4	19	Site Preparation, Chemical, Broadcast, Aerial, Woody	116	\$10,440.00	\$0.00
4	19	Site Preparation, Other, Burn, Hand, Cut-Over	116	\$2,900.00	\$0.00
5	1	Harvest, Mechanical, Final, Machine, Loblolly	46	\$1,610.00	\$136,117.68
Yearly Totals			394	\$24,230.00	\$136,117.68
<b>2021</b>					
3	11	Site Preparation, Chemical, Broadcast, Aerial, Woody	81	\$7,290.00	\$0.00
3	11	Regeneration, Artificial, Plant, Hand, Loblolly	81	\$6,518.40	\$0.00

Strata	Stand	Activity	Acre	Est. Cost	Est. Revenue	
3	11	Site Preparation, Other, Burn, Hand, Cut-Over	81	\$2,037.00	\$0.00	
			Yearly Totals	244	\$15,845.40	\$0.00
			Grand Totals	2.172	\$103,629.65	\$896,151.08