



North Carolina
Department of Environment and
Natural Resources

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Dee Freeman, Secretary



North Carolina
Division of Forest Resources

Wib L. Owen, Director

Division of Forest Resources
3230-C Presson Road
Monroe, NC 28112
January 16, 2009

D-12-FM
Project - Union County
McKnight, William

Mr. William McKnight
4635 Carmel Vista Lane
Charlotte, NC 28226

Dear Mr. McKnight:

Union County Ranger Andy Cranfill, Assistant County Ranger Jason Marlowe and I recently completed an examination of your property located off McCastan lane in Union County. You had contacted the North Carolina Forest Service in regards to the development of a Woodland Management Plan on this property for tax deferral purposes. In order to qualify for the tax use program, you must have at least twenty acres of woodland in one parcel with management recommendations for the areas that are to be included in the program. The recommendations must be followed to insure compliance with the program. This letter and enclosed outline contains our findings and recommendations for the property for longterm sawtimber production.

Summary of action needed:

Area one, allow to grow and evaluate in 10 years.
Area two, allow to grow and evaluate in 10 years.
Area three, Clear cut harvest within 3 years and replant.
Maintain all road and trails for access.
Maintain water integrity and quality.
Periodically check for insect and disease.

Management Area: Area 1 (Approximately 12 acres)

This area is a bottomland hardwood stand. The timber species found in the stand are Yellow poplar, Sweet gum, Red maple, and Box Elder Data indicates that the stand is approximately 55 years old and growing at acceptable rates for the species present. The timber in the stand appears to be fair quality for its size and form. No insect or disease was noticed during the exam. The area is prone to flooding and is extremely wet. This prevents logging except in certain times of the year. Due to the size and age of the timber, we recommend that you

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continue to allow the trees to for 10 years. After 10 years the NC Forest Service will evaluate the area for further management considerations.

During this time, keep all roads and trails open and free of debris. This will assist in access while providing protection from wildfires. Periodically check for insect and disease within the stand.

Area 2 (Approximately 33 acres)

This area is a Upland hardwood with scattered pine. The primary species is White oak, Yellow poplar, Southern red oak, and scattered Shortleaf pine. Data indicates the area is approximately 60 years old and growing at acceptable rates for the species. The timber is good quality with no insect or disease noted during the exam. We recommend that continue allowing the area to grow for 10 years. During this time, keep all roads and trails open and free of debris. This will help in access while providing protection from wildfires. Periodically check for insect and disease within the stand. These practices will assist you in your objective of long term sawtimber production.

If desired, you can do TSI (Timber Stand Improvements) within this area. This can be accomplished by cutting or allow the cutting of selected hardwoods for firewood. This would remove competition allowing more nutrient availability. This practice also produces more ground vegetation for wildlife by creating openings in the canopy allowing sunlight to penetrate to the forest floor promoting growth. Enclosed is information on the cutting of firewood for your reference.

Area 3 (Approximately 25 acres)

This area is a Shortleaf/Loblolly pine natural area. Data indicates the trees are approximately 60 years old, and are slowing in growth. This could be the effects of many environmental factors such as nutrient availability, compaction of soil and other factors. There is evidence of storm damage, with little leaf disease noted on the Shortleaf pine. With the presence of storm damage the area should be monitored for insect activity.

We recommend that you clear cut harvest the area within the next 3 years. This will provide you with financial income and prevent more mortality within the area. It is recommended that you retain approximately \$200.00/acre for reforestation costs or needs.

Once harvest is complete, the NC Forest Service will evaluate the area for management options at that time.

Enclosed is a list of Timber Buyers located within your area. It would be wise to contact at least three, and ask for references before choosing one.

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Environmental Concerns

When conducting any type of forestry operation, water quality must be maintained. During a forestry activity such as harvesting, the landowner is responsible for insuring that water quality is protected. Streamside Management Zones (SMZ) must be left, stream crossings need to be seeded and mulched, and all skid trails on slope need some type of water diversions. A Streamside Management Zone should be left along the lake to protect water quality. Refer to the enclosures for additional information. If the North Carolina Forest Service is notified when harvesting is being conducted, we can help to insure the water quality guidelines are being followed.

A copy of this woodland management plan will need to be delivered to the Union County Tax Assessors' office to comply with the tax deferment program.

It is always a pleasure working with landowners in the management of their timberlands. Should you have any questions or need any further assistance please feel free to contact myself or the Monroe office at 704-233-1437. For questions regarding the forest tax deferment program you should contact Mrs. Barbara Laney at the Union County Tax Assessor's office at 704-292-2533.

Sincerely,



Rick Hollis
Union County Service Forester
704-685-0078 cell phone
704-827-7576 ext 27 office
RF#1602

Cc: Andy Cranfill, Union County Ranger

Enclosures: WQ-1: NC Forest Practice Guidelines Related to Water Quality
WQ-2: Preventing & Controlling Runoff, Erosion, & Sedimentation
WQ-3: Protecting Water Quality at Stream Crossings
Present Use for Landowners
List of Timber Buyers
The cutting of firewood

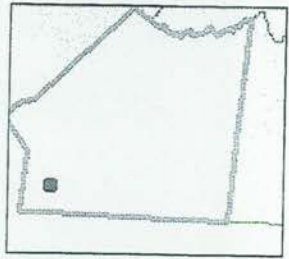
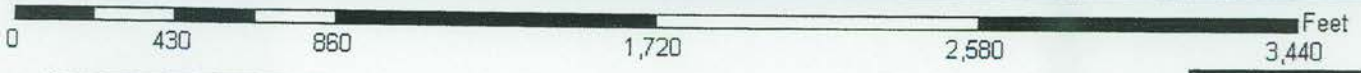
NC Division of Forest Resources
Woodland Management Plan

Landowner: McKnight

January 16, 2009

Area	Approx. # Acres	Forest Type or Species and Approximate Age	Recommended Management Practice and Prescription	When Practice Should be Carried Out and by Whom
1	12	Bottomland Hardwood area approximately 55 years old.	<p>Allow to grow and evaluate in 10 years.</p> <p>Keep all roads and trails open and free of debris</p> <p>Periodically check for insect and disease.</p>	<p>NC Forest Service 2019</p> <p>Landowner starting in 2009-2019.</p> <p>Landowner or NC Forest Service in 2009.</p>
2	33	Upland hardwood area approximately 33 years old.	<p>Allow to grow and evaluate in 10 years.</p> <p>Keep all roads and trails open and free of debris</p> <p>Periodically check for insect and disease.</p>	<p>NC Forest Service 2019</p> <p>Landowner starting in 2009-2019.</p> <p>Landowner or NC Forest Service in 2009.</p>
3	25	Nature pine area. Approximately 60 years old.	<p>Conduct a clear cut harvest within the next 3 years.</p> <p>Keep all roads and trails open and free of debris</p> <p>Periodically check for insect and disease.</p>	<p>Landowner or Timber Buyer</p> <p>Landowner starting in 2009-2019.</p> <p>Landowner or NC Forest Service in 2009.</p>

N.C. Forest Service Forest Management Map

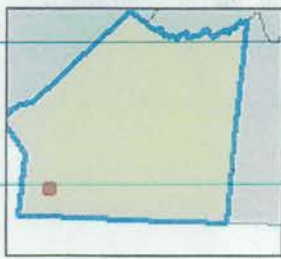


Landowner: William McKnight
Location: Union County, Parcel # 0509600208
Union County, NC

Date: 1/6/09
Drawn By: Rick Hollis

Legend	
	DOT Road
	Road Type
	Private
	Interstate
	NC-Hwy
	State Road
	US-Hwy
	Improved Road
	Water Course
	Stand boundary

N.C. Forest Service Forest Management Map



Landowner: William McKnight
 Location: Union County, Parcel # 0509600208
 Union County, NC
 Date: 1/6/09
 Drawn By: Rick Hollis

Legend	
	DOT Road
	Road Type
	Pit/ole
	Interstate
	NC-Hwy
	State Road
	US-Hwy
	Upgraded road
	Scale Road
	Straddled boundary