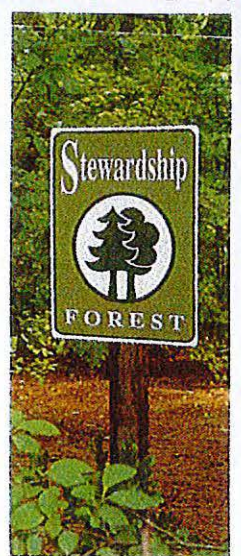


LEAH FELD FORT

Forest Stewardship Plan



VIRGINIA FOREST STEWARDSHIP MANAGEMENT PLAN

Introduction:

This forest management plan covers the examination of approximately 3527 acres of forestland in Amelia County, Virginia. Management recommendations are given below. Boundaries and timber type acres were obtained from the use of an existing stand map and aerial photography.

This tract is primarily composed of many different ages of pine plantation from one year old to thirty years old. These stands should be thinned about age 15 and clear-cut between age 30 to 35. All of the stands within this tract contain hardwood drains especially along the Appomattox River. Riparian buffers of 35' will be maintained along Stock Creek and any other perennial stream. A one hundred (100) foot buffer shall be maintained along the approximately 6 mile frontage along the Appomattox River. The Streamside Management Zones (SMZ's) along these areas should be left with only select cutting within 35 feet of the stream bank and no cutting within 50 feet of the Appomattox River bank. A full description of each stand and individual stand recommendations can be found on the following pages.

VIRGINIA FOREST STEWARDSHIP MANAGEMENT PLAN

Landowner: Malcolm L. Bailey & Richard E. Wallace

Stewardship Forest Acres: 3527.23 **Total Tract Acres:** 3527.23

Location: Leigh Magisterial District, Amelia County, Virginia
Along southern bank of Appomattox River between Rt. 621 and Rt. 620.

Prepared by: Delmer D. Aylor, Forester
Aylor Consulting Forestry
409 Boyd Street
Chase City, VA 23924

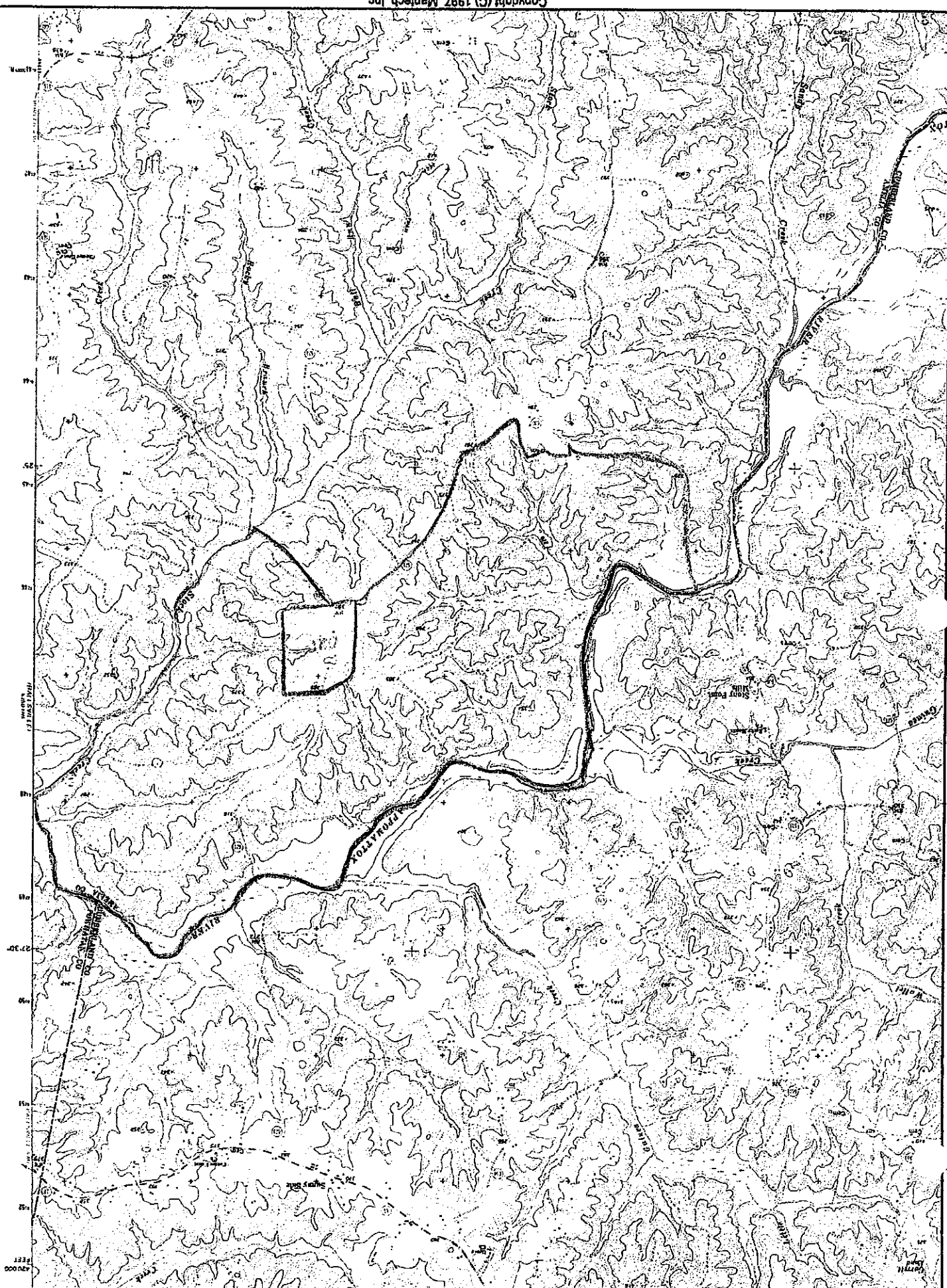
This Forest Stewardship Management Plan was designed to help guide the management activities of the natural resources on your property. The plan is based on your goals in harmony with the environment around you. Project recommendations are for your consideration.

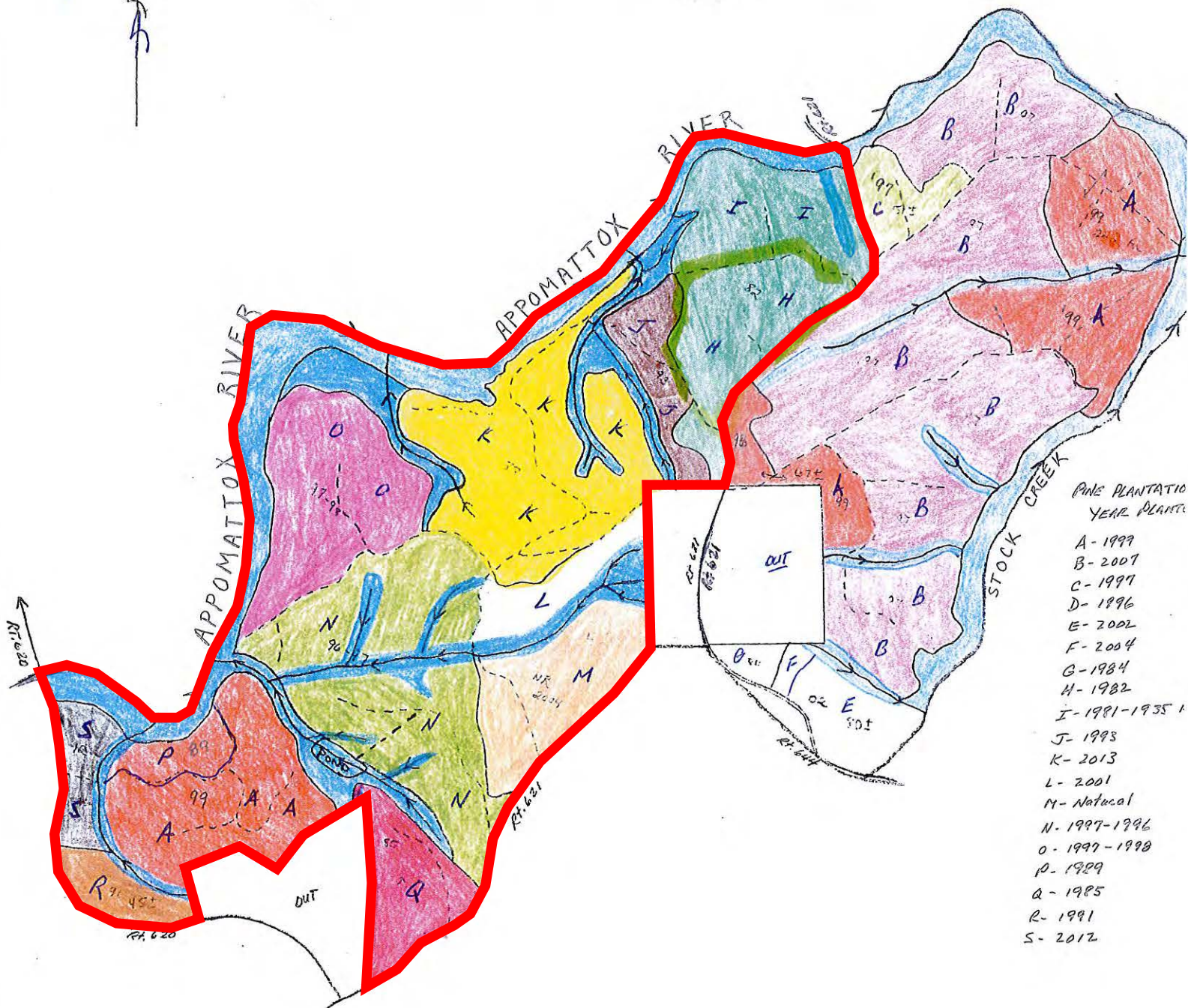
THE GOALS YOU IDENTIFIED FOR MANAGING THE PROPERTY ARE:

Income producing timber production and real estate investment

The major objectives for this property in priority are as follows:

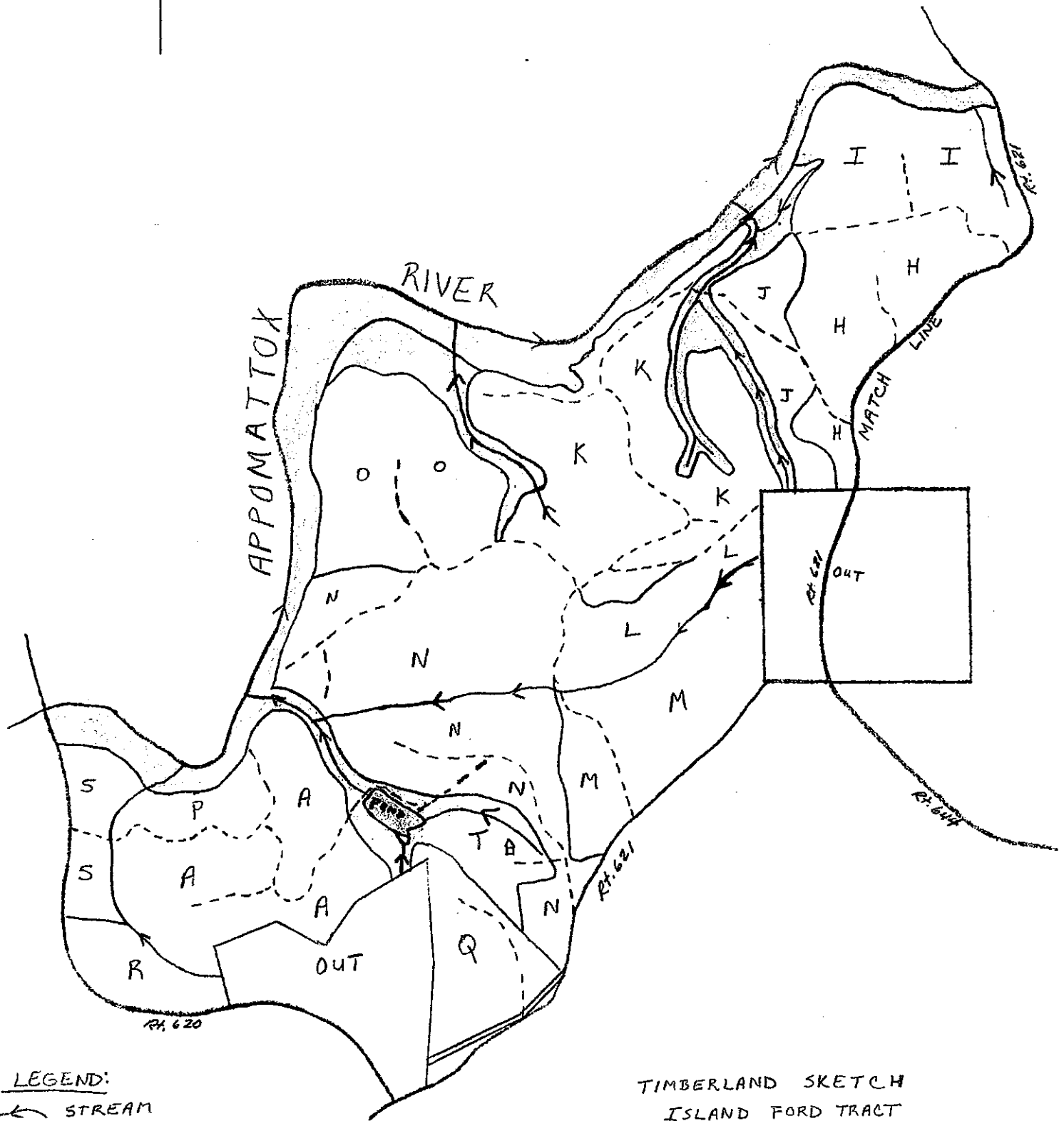
1. Managing timber for income.
2. Real estate investment -- Establish and maintain boundary lines.
3. Maintain a scenic forest. After timber is clearcut, site is to be prepared and replanted to Loblolly pine as recommended by the Virginia Department of Forestry.
4. Soil and Water Conservation -- Best Management Practices (BMP's) will be implemented as needed and as specified by the Virginia Department of Forestry. Riparian buffers of 100 feet will be left along the Appomattox River and 35 feet along all perennial streams. Select cutting will be allowed in the buffers but not within 50 feet of the Appomattox River.





PINE PLANTATION YEAR PLANTED

- A - 1999
- B - 2007
- C - 1997
- D - 1996
- E - 2002
- F - 2004
- G - 1984
- H - 1982
- I - 1981-1935
- J - 1993
- K - 2013
- L - 2001
- M - Natural
- N - 1997-1996
- O - 1997-1998
- P - 1989
- Q - 1985
- R - 1991
- S - 2012



LEGEND:

← STREAM
--- ROAD

A - T = TIMBER
STANDS

A - Cabin

TIMBERLAND SKETCH
ISLAND FORD TRACT
SCALE ~ 1" = 2000'
AMELIA CO., VA
8-12-12

DESCRIPTIONS AND RECOMMENDATIONS:

STAND A

Acres:	481
Forest Type:	Pine Plantation
Species Present:	Loblolly Pine
Age:	13
Size:	Good to Excellent
Quality:	Good
Trees/acre:	400 to 450
Growth Rate:	Good
Soil/Water:	Cecil Fine Sandy Loam, 2 to 7 percent slopes, Wedowee-Poindexter complex, 15 to 25 percent slopes
Topography:	Moderately sloping
Wildlife Habitat:	Good
Recreation/Aesthetics:	Good/Fair
Fire Risk:	Moderate
Unique Natural Features:	None
History:	Established Forest
Recommendations:	Stand A should be left to grow for another 3 to 5 years. A clear-cut or thinning should be possible at that time.

DESCRIPTIONS AND RECOMMENDATIONS:

STAND H

Acres:	141
Forest Type:	Pine Plantation
Species Present:	Loblolly Pine
Age:	30 Recently Timbered
Size:	Pulpwood/Sawtimber
Quality:	Good to Excellent
Trees/acre:	191 trees/acre
Growth Rate:	Moderate
Soil/Water:	Wedowee-Poindexter complex, 15 to 25 percent slopes
Topography:	Moderately sloping to gently rolling
Wildlife Habitat:	Good
Recreation/Aesthetics:	Good
Fire Risk:	Moderate
Unique Natural Features:	None
History:	Established Forest
Recommendations:	Stand H is a good quality plantation. This stand could be harvested at any time or left to grow until a rotation age of 35 years.

DESCRIPTIONS AND RECOMMENDATIONS:

STAND I

Acres:	137
Forest Type:	Pine Plantation, Mixed Pine/Hardwood Stand
Species Present:	Loblolly Pine, Virginia Pine, Yellow Poplar, Sweet Gum, Willow Oak, Red Oak, White Oak, Beech
Age:	30 to 80
Size:	Pulpwood/Chip-N-Saw/Sawtimber
Quality:	Good
Trees/acre:	200 trees/acre
Growth Rate:	Slow
Soil/Water:	Dogue fine sandy loam, 2 to 7 percent slopes, Wedowee sandy loam, 15 to 25 percent slopes.
Topography:	Moderately sloping to Flat
Wildlife Habitat:	Good
Recreation/Aesthetics:	Good
Fire Risk:	Moderate
Unique Natural Features:	None
History:	Established Forest
Recommendations:	Stand I is very similar to stand H. It is a mixed stand of pine and hardwood and should be harvested within the next 5 years. This stand could be sold as soon as the markets are favorable.

DESCRIPTIONS AND RECOMMENDATIONS:

STAND J

Acres:	58
Forest Type:	Pine Plantation
Species Present:	Loblolly Pine
Age:	19
Size:	Pulpwood
Quality:	Good
Trees/acre:	350 to 450
Growth Rate:	Slow
Soil/Water:	Winnsboro sandy loam, 7 to 15 percent slopes
Topography:	Moderately sloping
Wildlife Habitat:	Good
Recreation/Aesthetics:	Good/Fair
Fire Risk:	Moderate
Unique Natural Features:	None
History:	Established Forest
Recommendations:	Stand J is a pine plantation that needs to be thinned. If it is not thinned in the next 2 or 3 years it should be clear-cut and a new stand planted back.

DESCRIPTIONS AND RECOMMENDATIONS:

STAND K

Acres:	280
Forest Type:	Pine plantation
Species Present:	Loblolly pine
Age:	24
Size:	Good
Quality:	Poor
Trees/acre:	350 to 450
Growth Rate:	Slow
Soil/Water:	Wedowee-Poindexter complex, 15 to 25 percent slope
Topography:	Moderately sloping to gently rolling
Wildlife Habitat:	Good
Recreation/Aesthetics:	Poor
Fire Risk:	Low
Unique Natural Features:	None
History:	Established Forest
Recommendations:	Stand K will be cut in 2012 and reforested to loblolly pine at a planting rate of at least 600 trees per acre. The recommended site preparation method would be burning.

DESCRIPTIONS AND RECOMMENDATIONS:

STAND L

Acres:	53
Forest Type:	Pine Plantation
Species Present:	Loblolly Pine
Age:	11
Size:	Fair to Good
Quality:	Good
Trees/acre:	250 to 350
Growth Rate:	Good
Soil/Water:	Helena Fine Sandy Loam, 2 to 7percent slopes
Topography:	Moderately sloping
Wildlife Habitat:	Good
Recreation/Aesthetics:	Good/Fair
Fire Risk:	Moderate
Unique Natural Features:	None
History:	Established Forest
Recommendations:	Stand L should be left to grow for another 5 years. A clear-cut or thinning should be possible at that time.

DESCRIPTIONS AND RECOMMENDATIONS:

STAND M

Acres:	143
Forest Type:	Natural Regeneration Pine
Species Present:	Loblolly Pine, Yellow Poplar, Sweet Gum
Age:	8
Size:	Fair to Good
Quality:	Good
Trees/acre:	250 to 350
Growth Rate:	Good
Soil/Water:	Wedowee sandy loam, 7 to 15 percent slopes
Topography:	Moderately sloping
Wildlife Habitat:	Good
Recreation/Aesthetics:	Good/Fair
Fire Risk:	Moderate
Unique Natural Features:	None
History:	Established Forest
Recommendations:	Stand M should be left to grow for another 7 to 10 years. A clear-cut or thinning should be possible at that time.

DESCRIPTIONS AND RECOMMENDATIONS:

STAND N

Acres:	278
Forest Type:	Pine Plantation
Species Present:	Loblolly Pine
Age:	15-16
Size:	Poor
Quality:	Fair
Trees/acre:	300 to 400
Growth Rate:	Poor
Soil/Water:	Wedowee-Poindexter complex, 7 to 25 percent slopes
Topography:	Moderately sloping
Wildlife Habitat:	Good
Recreation/Aesthetics:	Good/Fair
Fire Risk:	Moderate
Unique Natural Features:	None
History:	Established Forest
Recommendations:	Stand N is old enough to thin, however in most places this timber is not tall enough to thin. It should be checked each year until the entire stand is ready to be thinned.

DESCRIPTIONS AND RECOMMENDATIONS:

STAND O

Acres:	144
Forest Type:	Pine Plantation
Species Present:	Loblolly Pine
Age:	14-15
Size:	Poor to Fair
Quality:	Fair
Trees/acre:	300 to 400
Growth Rate:	Fair
Soil/Water:	Wedowee sandy loam, 15 to 25 percent slopes
Topography:	Moderately sloping
Wildlife Habitat:	Good
Recreation/Aesthetics:	Good/Fair
Fire Risk:	Moderate
Unique Natural Features:	None
History:	Established Forest
Recommendations:	Stand O should be left to grow for another 3 to 5 years. It is short and needs several more years of growth. A clear-cut or thinning should be possible at that time.

DESCRIPTIONS AND RECOMMENDATIONS:

STAND P

Acres:	18
Forest Type:	Pine Plantation
Species Present:	Loblolly Pine
Age:	23
Size:	Fair to Good
Quality:	Good
Trees/acre:	350 to 450
Growth Rate:	Good
Soil/Water:	Wedowee-Poindexter complex, 2 to 7 percent slopes
Topography:	Moderately sloping
Wildlife Habitat:	Good
Recreation/Aesthetics:	Good/Fair
Fire Risk:	Moderate
Unique Natural Features:	None
History:	Established Forest
Recommendations:	Stand P should be thinned or clear-cut along with Stand R.

DESCRIPTIONS AND RECOMMENDATIONS:

STAND Q

Acres:	90
Forest Type:	Pine Plantation
Species Present:	Loblolly Pine
Age:	27
Size:	Good
Quality:	Good
Trees/acre:	175 to 200
Growth Rate:	Fair
Soil/Water:	Wedowee-Poindexter complex, 15 to 25 percent slopes
Topography:	Moderately sloping
Wildlife Habitat:	Good
Recreation/Aesthetics:	Good/Fair
Fire Risk:	Moderate
Unique Natural Features:	None
History:	Established Forest
Recommendations:	Stand Q was thinned about 10 years ago, however in some places this timber had some storm damage. It should be clear-cut and reforested within the next 2 or 3 years.

DESCRIPTIONS AND RECOMMENDATIONS:

STAND R

Acres:	45
Forest Type:	Pine Plantation
Species Present:	Loblolly Pine
Age:	21
Size:	Good
Quality:	Good
Trees/acre:	300 to 400
Growth Rate:	Slow
Soil/Water:	Wedowee-Poindexter complex, 15 to 25 percent slopes
Topography:	Moderately sloping
Wildlife Habitat:	Good
Recreation/Aesthetics:	Good/Fair
Fire Risk:	Moderate
Unique Natural Features:	None
History:	Established Forest
Recommendations:	Stand R should be thinned or clear-cut with stand P

DESCRIPTIONS AND RECOMMENDATIONS:

STAND S

Acres:	44
Forest Type:	Pine Plantation
Species Present:	Loblolly Pine
Age:	1
Size:	Small
Quality:	Good
Trees/acre:	450 to 550
Growth Rate:	Good
Soil/Water:	Dogue fine sandy loam, 2 to 7 percent slopes
Topography:	Moderately sloping
Wildlife Habitat:	Good
Recreation/Aesthetics:	Good/Fair
Fire Risk:	Moderate
Unique Natural Features:	None
History:	Established Forest
Recommendations:	Stand S was planted in 2012 and should be checked for a spray release. It should then be left to grow for about 15 years.

DESCRIPTIONS AND RECOMMENDATIONS:

STAND T

Acres:	23
Forest Type:	Hardwood
Species Present:	Red Oak, White Oak, Yellow Poplar, Sweet gum, Hickory
Age:	60-80
Size:	Good
Quality:	Good
Trees/acre:	100 to 150
Growth Rate:	Slow
Soil/Water:	Wedowee-Poindexter complex, 15 to 25 percent slopes
Topography:	Moderately sloping
Wildlife Habitat:	Good
Recreation/Aesthetics:	Good/Fair
Fire Risk:	Moderate
Unique Natural Features:	None
History:	Established Forest which contains the pond and the old hunting cabin.
Recommendations:	Stand T should be left as a nice hardwood area around the old cabin. This maintains a nice place for a future cabin which would increase the real estate value of the property.

DESCRIPTIONS AND RECOMMENDATIONS:

STAND SMZ'S

Acres:	604
Forest Type:	Hardwood/Pine Creek and River Bottom
Species Present:	Loblolly Pine, Willow Oak, Yellow Poplar, Sweet Gum, River Birch, Sycamore.
Age:	60-100
Size:	Large
Quality:	Good
Trees/acre:	100 to 150
Growth Rate:	Slow
Soil/Water:	Chewacla silt loam, 0 to 2 percent slopes
Topography:	Flat
Wildlife Habitat:	Good
Recreation/Aesthetics:	Good/Fair
Fire Risk:	Moderate
Unique Natural Features:	None
History:	Established Forest
Recommendations:	SMZ's should be managed with any cutting to follow VA Dept. of Forestry BMP guidelines previously stated in the management goals.

DESCRIPTIONS AND RECOMMENDATIONS:

STAND ROADS

Acres:	75
Forest Type:	Non-Forest
Species Present:	N/A
Age:	N/A
Size:	Good
Quality:	Good
Trees/acre:	NA
Growth Rate:	NA
Soil/Water:	Wedowee-Poindexter complex, 15 to 25 percent slopes
Topography:	Moderately sloping
Wildlife Habitat:	Good
Recreation/Aesthetics:	Good/Fair
Fire Risk:	Moderate
Unique Natural Features:	None
History:	Established road throughout the tract.
Recommendations:	Each road should be maintained on a regular basis by bush hogging every year. Erosion problems should be addressed with water bars and seeding. A well maintained road system helps with fire retention and timber sales. It also helps to increase the real estate value of the property.