Writing a Forest Management Plan



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Why write a forest management plan?

- A forest management plan
- Puts your thoughts goals and objectives on paper (and saved as an electronic file)
- Time and effort is put into the forest management plan a document that can be periodically re-visited and modified if land goals and objectives change
- The forest management plan can (should) be shared with family members (1) to get them involved with the land and (2) should the family leader pass, there is a forest management plan for the beneficiaries to refer to for future land management

What is in a forest management plan

- It becomes a "how to" manual –to derive as many of the benefits of one's property
- It includes all near (0-5 or 10 yrs) and long-term (> 5-10 yrs out to 20-50 yrs) goals and objectives
- It describes the management activities (burning, planting, thinning, final harvest) and their timing (in year or years of each activity in each "stand" = a management unit)
- It should include stand type maps (including pine or hardwood species, establishment mo-yr, # of acres) and soils maps of the property

Components of a Forest Management Plan

 A Forest Management Plan consists of <u>four</u> major sections

Section 1: Objectives & Goals

Section 2: Site Description

Section 3: Prescribed Mgmt Activities

Section 4: Protection & Maintenance

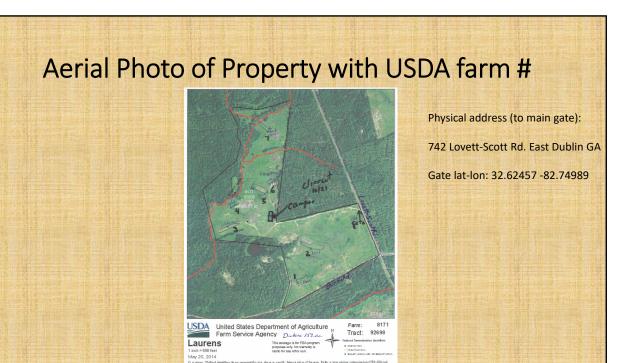


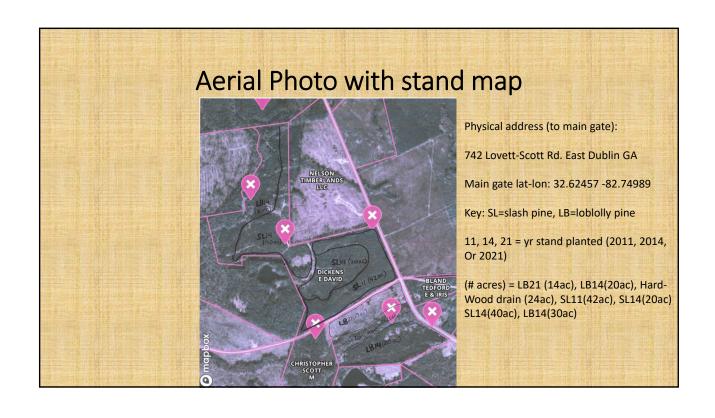
Section 1 - Goals and Objectives

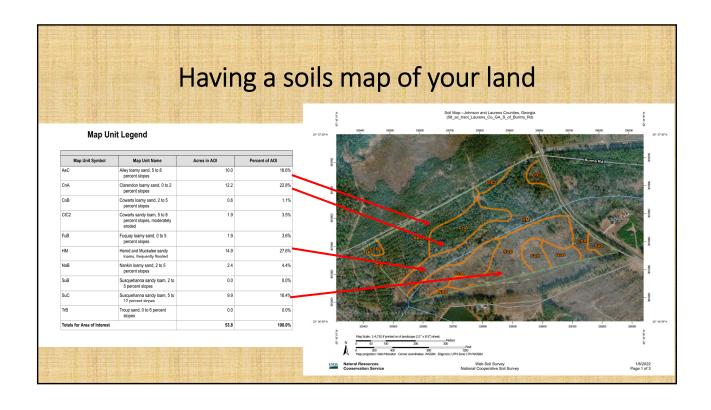
- Goals general statements that express the landowners' near and long-term (broad) desired outcomes for the property – the vision for your property
- Objectives are more specific statements and are measurable. They describe the
 actions required that lead to attaining one's goals.
- Example:
 - Goal 1. Protect the health of the forest
 - Objective 1. Create a prescribe burn plan for the entire property
 - Objective 2. Inspect property for presence of invasive plants
 - Objective 3. Inspect property for harmful insect and disease outbreaks

Section 2 – Site Description

- This section contains a detailed physical description of your property and available resources.
- It includes the legal description, tax parcel number, and US Dept of Ag. (USDA) Service Center farm number (one can be made if no farm # at the Farm Service Agency County office).
- Maps of the property (survey plat and a recent aerial photo), with clearly delineated property boundaries, access points, waterways
- A physical address or a latitude-longitude to entry point(s) into the/each property
- A soils map, stand map and topography map







Section 3 – Prescribed Management Activities

- The majority of an plan will be comprised of detailed descriptions of prescribed management activities (Silviculture) and their timing
- Based on your goals and objectivies these activities may include
- timber harvests (thinning, clearcuts or other cutting types),
- reforestation,
- herbicide treatment(s),
- · burning,
- Fertilization
- · Pond maintenance
- · Road/trail construction and/or maintenance

Section 3 – Prescribed Management Activities

- All management activities should be coorelated to one or more objectives
- For most a healthy forest is a high priority, therefore proactive forest mgmt. is required – so there is always something to do
- Reviewing you forest management plan annually is recommended to ensure your objectives are being or will be met.

Section 4 – Protection & Maintenance

- Protection against wildfire should be a priority for all forest landowners
- Installing new fire breaks and maintaining existing fire breaks should be a high priority
- All property lines should be periodically marked (and re-marked) and clearly indictated on your property map
- "No Trespassing" signs should be posted and periodically re-posted as signs deteriorate

Advantages of having a Forest Mgmt Plan

- Environmental Regulations:
- Forest management activities must comply with local, state and federal regulations
- As the landowner, you are liable for all activities occurring on your land so you need to be aware of how environmental laws impact your selection of mgmt. activities
- Best to obtain professional advice prior to conducting any forest operation (timber sale or pond building for examples)

Advantages of having a Forest Mgmt Plan

- Financial Considerations:
- Timber and real estate taxation are the leading management concerns for forest landowners (based on surveys)
- Planning to minimize your county (2.5%), state (6% in GA), and federal tax (15% capital gains for most) burden
 can help you keep as much timber sale profits as possible establish a land and timber basis is very important
 when land (and timber) are first purchased
- An accountant that has strong timber taxation knowledge can help you pay the proper amt. of taxes on timber sales
- Expensing reforestation (site preparation, seedlings and planting costs) can reduce the tax burden (\$10,000/yr per landowner) a total of \$10,000 of site prep and ½ of seedling costs can be expensed in 2021 and the other ½ of seedling cost and planting costs up to \$10,000 can be expensed in 2022.

Advantages of having a Forest Mgmt Plan

- · Cost-Share:
- Most cost-share forestland-related programs are offered by the USDA <u>Farm Service</u> <u>Agency</u> (FSA) and the <u>Natural Resources Conservation Service</u> (NRCS)
- Programs like the <u>longleaf Conservation Reserve Program (CRP CP36)</u> where ag fields can be planted to <u>longleaf</u> with USDA covering most of the site prep, seedlings and planting costs + offer an annual "rental" payment for 10, 12 or 15-yrs are financially attractive
- Other programs include <u>WHIP</u> (wildlife habitat incentives program), <u>EQIP</u> (environmental quality incentives program) and <u>CSP</u> (conservation stewardship program) will cover some to most of your reforestation costs if your name is drawn from those that apply in the county of your forestland, as well as fire-breaks, Rx burning, and other forestland enhancement activities

Advantages of having a Forest Mgmt Plan

- · Certification:
- With your forest management plan and implemented forestry practices your forestland can become <u>SFI</u> (sustainable forestry initiative) or a <u>Tree Farm</u> certified
- By having your land be SFI or Tree Farm certified these certifications recognize sustainably-managed forests
- Your forestland may be managed in way that is considered sustainable but not recognized as such but there is potential with certification that you have access to markets that seek wood from certified forests

Creating your Forest Management Plan

- Three main options:
- Hire a professional forester if you have a registered forester helping you with timber sales, reforestation, Rx burning and other forestry activities he/she can prepare a plan to you
- Write the plan yourself but you will need a level of forestry knowledge that will able you to write a good plan – most landowners need assistance
- Gather (1) all property maps, parcel #s, (2) write down your objectives and goals, then ask a local, reputable, registered forester to help you complete the plan

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	Describe and Inventory Woodlands GIS mapping Soils type mapping Topography maps Recreation and tourism Trails Points of interest Special sites Natural features Wetlands Streams Waterfalls Water bodies Unique areas Historic/cultural features Wells Homesteads Cemeteries Forest types and stands Protection and maintenance	
	Stand descriptions and inventory data	

Goals and Objectives Checklist	
Assure The Woodland's Future Conservation easements Intergenerational transfer Estate planning Sharing with family Taxes (county, state, federal and property)	

Goals and Objectives Checklist	
Enhance Woodland Aesthetics and Recreation Wildlife habitat improvement Trail layout/maintenance Plant/wildlife survey Wildlife habitat assessment Wildlife habitat cost share programs Aesthetic enhancements Wildlife watching Hunting Hiking Birding Fishing Trails and trail design Establish family connection to the land Linking the forest and wildlife Management practices impacts on wildlife Even-aged forests Uneven-aged forests Den trees and mast trees Road construction and maintenance Establishing ground cover or wildlife food plots	

G	Goals and Objectives Checklist	
	Promote Healthy Woodlands Timber stand improvement Water quality protection/BMPs Pest and weed assessment/prevention Pest and weed monitoring Managing pest/weed outbreaks Tree planting Forest health survey and appraisal Prescribed burns Create home for wildlife Create healthier woods Pests and weeds Pest and weed monitoring Managing pest/weed outbreaks Ecosystem services Air quality Healthy soils	

Goals and Objectives Checklist	
Provide Woodland Protection Marking boundaries Security and protection monitoring Water quality protection/BMPs Natural disaster damage assessment Timber theft appraisal Special site protection plans Rare, threatened/endangered species protection plans Pest and weed assessment/prevention Wildfires Natural disasters Invasive species Pests and weeds Trespassers Bio Security Eco-terrorism	

Conduct Woodland Enterprises Forest certification Cost share programs Financial assistance Timber sale administration Manage a timber harvest Forest inventory and assessment Appraisal and valuation Tax law programs Property taxes Income and capital gains tax planning Federal taxes Recordkeeping Setting up accounts Hunting leases Pine straw production	Goals and Objectives Checklist
Natural disaster salvage and recovery Eco-tourism	Forest certification Cost share programs Financial assistance Timber sale administration Manage a timber harvest Forest inventory and assessment Appraisal and valuation Tax law programs Property taxes Income and capital gains tax planning Federal taxes Recordkeeping Setting up accounts Hunting leases Pine straw production Natural disaster salvage and recovery

Goals and Objectives Checklist
Young Stand (age 1- to 13-yrs)AfforestationRegenerationSite preparationNatural regenerationTree plantingWeed controlFertilizationMiddle Aged Stand (13- to 25-yrs)WeedingReleaseThinningImprovement cuttingTimber stand improvementPruningPrescribed burningFertilizationMature Stand and Harvesting (25+ yrs)Seed treeShelterwoodSelectionPatch clearcutt

Goals and Objectives Checklist
AgroforestrySilvopastureAlley croppingForest farmingRiparian forest buffersWindbreaks/ShelterbeltsCarbonWildlife managementBiomass/EnergyNon-Timber Forest ProductsFruits and nutsVegetablesFish and gameMedicinal plantsResinsSsencesBarks and fibersPalms and grasses

