

This form, which is periodically updated to address new opportunities, is available in PDF and MS Word at the following addresses:

<http://www.montana.edu/extension/forestry> or

<https://www.treefarmssystem.org/montana>

Owner's Name _____

Plan Author (if not owner) _____

☐ **Forest Stewardship Plan**

(double click on box and select 'checked')

☐ **Tree Farm Plan**

This management plan outlines sustainable forestry guidelines for the conservation of natural resources within this forest and addresses immediate needs (next 5 years) as well as long term (50+ years) objectives and actions. It is endorsed as a certifiable sustainable forest management plan by the American Forest Foundation Family Forestry Program, U.S. Forest Service, U.S. Natural Resources and Conservation Service, Montana Department of Natural Resources and Conservation, Montana Association of Conservation Districts, and Montana State University Extension Forestry.



Forest Stewardship Plans are stored as an electronic copy with the signature page and map removed and stored separately as a hard copy to protect your privacy. Each plan is assigned a number so that the two parts can be made available to you if needed.

Record of Forest Stewardship Certification

Advisor Name _____ Phone _____

Date of Property Visit _____ MU's Verified _____ # Acres Verified _____

Approved By _____

(Stewardship Advisor – certifies that this Forest Management Plan meets the requirements of the federal Forest Stewardship Program.)

Forest Landowner(s) Signature(s) _____

Please note: Informal updates to the plan can be made with handwritten notes. Be sure to include a date and initial these notes throughout the management plan.

American Tree Farm Program

I certify that this Forest Management Plan meets the requirements of the American Forest Foundation's American Tree Farm System.

ATFS Inspecting Forester _____ Number _____ Date _____

Certified Tree Farm Number: (e.g. MT 1234) _____ Date of ATFS Certification: _____

Your Tree Farm plan should be saved and presented at re-inspections which are completed every 5 years, or sooner if yours is selected as a mandatory inspection or audit by National Tree Farm. If you choose MT Tree Farm can also store your plan in a secure location so that it can be made available to you in case you misplace your copy. Please select one of the options below:

☐ I will keep a copy of my plan. MT Tree Farm does not need to store a copy.

☐ MT Tree Farm may store a copy of my plan.

NRCS Incentive Programs

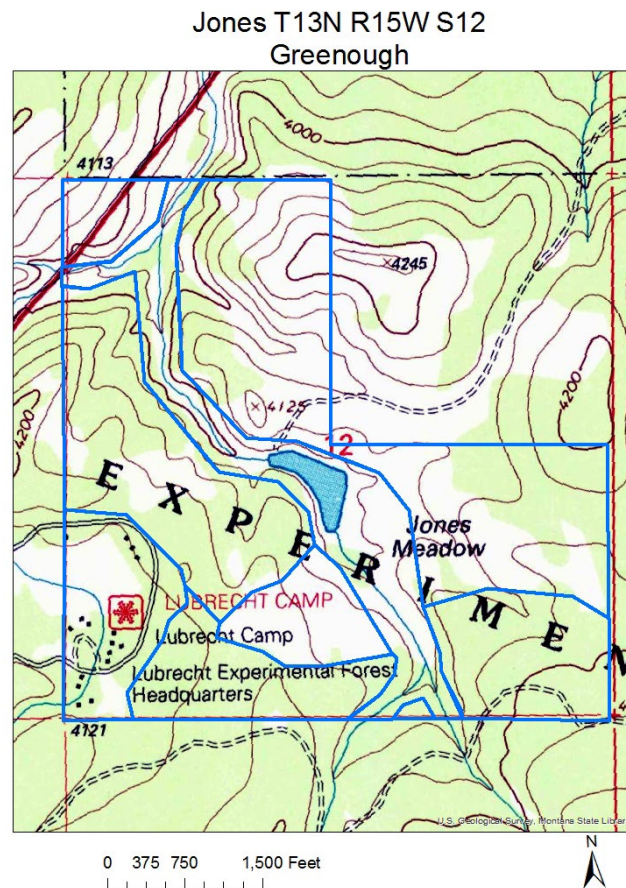
This plan may need more information to meet the requirements of the USDA Environmental Quality Incentives (EQIP) Program and/or the Quality Criteria for forest activity plans in Section III of the USDA NRCS Field Office Technical Guide, check with your NRCS representative for further guidance and assistance.

I certify that this Forest Management Plan meets the afore mentioned requirements.

Technical Service Provider _____ Number _____ Date _____

District Conservationist _____ Date _____

Contour Map



Place holder page

Landowner will attach property map (topographic) here

Identify
Property Boundaries and Management Units

Aerial Imagery

Jones T13N R15W S12
Greenough



Place holder page
Landowner will attach aerial image here

For free aerial photo downloads
<http://earth.google.com/>

Property Ownership

Landowner(s) (and representative, if different) _____

Mailing Address(es) _____

Phone Number(s) _____

E-Mail(s) _____

Date of Original Plan Completion _____ Plan Expiration Date (NRCS) _____

Revision date(s) _____

Property and Landscape Description

Legal property description _____

Nearest city or town _____ County _____

Total ownership acreage _____ Total forested acreage _____

Total acreage covered by this plan _____

Number of unique stands of trees or management units __

Do you reside on the property? ☐ Yes ☐ No

Average aspect (check): ☐ N ☐ S ☐ E ☐ W ☐ Flat

Average elevation _____

Basic topography (estimate percent of total acreage that is)

Complex topography (many steep ravines and aspects) _____

Simple topography (few ravines and changes of aspect) _____

Percent of land that is Flat-Gentle (0-20% slope) _____

Moderate Slope (20-40% slope) _____ Steep Slope (> 40% slope) _____

Improved Road Conditions (check) ☐ Excellent (100% accessible) ☐ Good (at least 80%)

☐ Fair (at least 50%) ☐ Poor (less than 25%)

Estimated improved road length (bulldozed with graveled surface) _____

Estimated unimproved road length (bulldozed with but original soil/bedrock) _____

Required for Tree Farm

Primary Soil type _____ Secondary soil type _____

[This document may help you determine soil types.](#)

Estimated total permanent skid trail length (drivable but no earthwork) _____

Estimated cumulative stream length class I _____ class II _____ class III _____

Property History

The property history is a brief description of the history of the land and ownership including past and current ownership, past management activities, and surrounding environment (whether nearby property is developed, private woods, public forests, etc.). This information can be based on personal knowledge, property records, and local information sources. You may find information on the chain of ownership on the title search done by the insuring title company. You can also consider what evidence is seen on the ground, stumps, skid trails, etc. You may or may not know much about your property but can continue to add to this section as your knowledge of your forest history increases and as you develop your own history with your forest.

Forest Stewardship Goals

The principal management objectives for the ownership.

(Refer to worksheet [Goals for my Forest Land](#)). Write your goals in the spaces below. Place a 1 in the box next to your most important goal, a 2 in front of your next most important goal, and so forth. If goals are equal, then give them the same number. Feel free to add or change headings to better fit your specific goals.

☐	Trees/timber _____

☐	Fire protection _____

☐	Wildlife _____

☐	Range/livestock _____

☐	Understory vegetation & weeds _____

☐	Building sites (home, barn, etc.) _____

☐	Aesthetics _____

☐	Recreation _____

☐	Legacy _____

☐	Revenue _____

☐	_____

☐	_____

Stand Level Information

Your property may have multiple management units that are either defined by unique site characteristics, management actions that you desire to implement, or a combination of both. For each stand or management unit, include the following:

1) brief description of the forest management unit and its current condition. Descriptors can include slope, aspect, forest structure, tree species and age composition, health and appearance, % crown cover, the presence of insects and disease, *site index and habitat type if known (NRCS required, ask representative for assistance)*. For a more detailed analysis refer to your Plot Form Summary, Inventory Short List, or Stand Analysis Form to help with this section. <https://www.montana.edu/extension/forestry/forms-to-download/index.html>

2) your management objectives for each management unit

3) your desired future conditions for the stand. (Plans and detailed recommendations will be entered in another section.)

Unit 1 _____ **Acres** _____

General current description _____

Objectives _____

Desired condition _____

Unit 2 _____ **Acres** _____

General current description _____

Objectives _____

Desired condition _____

Unit 3 _____ **Acres** _____

General current description _____

Objectives _____

Desired condition _____

Unit 4 _____ **Acres** _____

General current description _____

Objectives: _____

Desired condition: _____

Unit 5 ____ **Acres** _____

General current description _____

Objectives _____

Desired condition _____

Add more pages as needed (additional pages at end)

Desired Future Condition (Trees)

MU _____

(Complete for each Management Unit - This page is optional, but helpful, in describing your desired future conditions)

Length of planning period _____ 5yr _____ other

Add more pages as needed – **(Additional pages at end)**

Desired tree species and **expected longevity** (maximum age you expect trees to reach before they die of natural causes or are harvested)

Desired Tree Species

1. _____	_____	_____
2. _____	_____	_____
3. _____	_____	_____
4. _____	_____	_____
5. _____	_____	_____
6. _____	_____	_____

PP	ponderosa pine
DF	Douglas-fir
LPP	lodgepole pine
WL	larch
GF	grand fir
ES	Engelmann spruce
WRC	w. red cedar
WH	western hemlock
WP	white pine
SAF	sub-alpine fir
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CW	cottonwood
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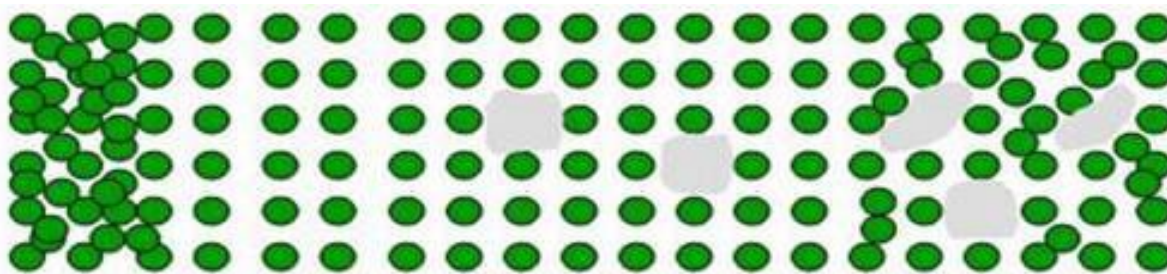
Desired species to naturally regenerate _____

Desired species to plant _____

Desired Tree Distribution

(Bird's-eye view of forest-(check one))

- ☐ Wild stand
 ☐ Evenly spaced
 ☐ Evenly spaced with openings
 ☐ Variable density spaced with openings



Desired spacing (in feet)

Large (>9" DBH) _____ (ft)

Pole (5-8" DBH) _____ (ft) Seedling (<5" DBH) _____ (ft)

Size and shape of openings _____

Desired structure:



- ☐ One canopy layer
 ☐ Two canopy layer
 ☐ Multi-layer/
Uneven aged

Spacing (feet)	Trees/acre
3x3	4,840
5x5	1,742
7x7	889
10x10	436
12x12	302
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25x25	70
30x30	48
40x40	27

Resource Elements

This section relates to the natural resource elements found **throughout the entire property**. Some treatments related to these resources may qualify for federal and state incentive programs. For this section, include appropriate activities and treatments in the Management Activity Schedule and Tracking table as well as on the map(s). Complete the Activity Schedule and draw and label the areas of management on the map if using this plan as part of an incentive program application.

For each resource element, consider:

1. **Where** will the management take place? (*MU number, entire or part of a stand, # acres*)
2. **What** treatments/monitoring/protection are planned? (*Single tree select, seed tree, precommercial thinning, planting, weed control, trail building, road maintenance, riparian rehab or protection, wildlife habitat improvement or maintenance*)
3. **When** will you implement treatments (*season, year*), follow-up activities, etc.?
4. **How** will the work be done (*equipment needed*)?
5. **Who** will do the work (*your, contractors, your grandson*)?
6. **What else** do you need? (*permits, professional assistance, applications for the incentive programs?*)

Special Sites & Social Considerations

Home fire safety (defensible space, near home site)

Current condition

Treatments/improvements/recommendations planned

Recreation (what recreational uses will you pursue on your property; hiking, skiing, hunting, birdwatching, ATV trails, camping etc. and where and when will you pursue these. Do you need to modify sites for these?)

Current condition or use

Treatments/monitoring/recommendations planned

Forests of Recognized Importance (FORI) Required for Tree Farm Measure 5.4 of the ATFS Standards of Certification requires landowners and inspectors to address (FORI). Currently, there are no officially recognized FORI in Montana. However, if the property is adjacent to unique protected areas, such as National Parks, the landowner may wish to consider FORI relevant.

Access (Does your property restrict access to public lands, will you allow access across or to your lands, are the boundaries posted with appropriate contact information, have you considered Block Management with Montana Fish Wildlife and Parks)

Current condition

Treatments/monitoring/recommendations planned

Roads (general maintenance, erosion potential, Best Management Practices, road surface condition, road runoff, drain-dips, culverts, stream crossings, weed control, time-of-year use)

Current condition

Construction/maintenance/monitoring/recommendations planned

Adjacent Ownership Concerns (how does surrounding management affect your forest and how do your actions impact your neighbors? Consider aesthetic quality, wildfire concerns, privacy, wildlife movement and habitat, noxious weeds)

Current condition or use

Treatments/maintenance/monitoring/recommendations planned

Soil protection (Litter layer, understory vegetation, woody debris retention, nutrient cycling, micro fauna)
<http://websoilsurvey.nrcs.usda.gov/app/HomePage.htm>

Current condition

Treatments/protections/monitoring/recommendations planned

Special sites and their protection (including, archeological, cultural and historic sites; are there historical sites on your property that you wish to delineate, protect or contact anyone i.e. universities etc. about)

Current condition

Treatments/protectations/monitoring/recommendations planned

Carbon sequestration *(optional; will you pursue selling or leasing the carbon being sequestered on your property to someone else?)*

Fish, Wildlife and Biodiversity

Describe the resources on your property and the activities you are planning to accommodate your goals.

Fish & wildlife - desired species (species lists, habitat improvement or creation, animal control, den sites, nest boxes, snag retention, access, hunting)

Current condition or use

Treatments/monitoring/recommendations planned

State and federal threatened or endangered species - plants or animals

(to request site specific information <http://mtnhp.org/Requests/>)

Current condition or use

Treatments/monitoring/recommendations planned

Streams, wetlands, ponds, lakeshore (Plans and protection; is there a wetland or stream within your harvest area, is it properly marked Streamside Management Zone (SMZ) and are the appropriate laws being followed?)

Current condition or use

Treatments/monitoring/recommendations planned

Permits needed (310 for stream/streambank disturbance or alteration)

Range Resource, Water and Soil Protection

*What **goals** do you have, or what **steps will you take** to conserve, protect and enhance your forest's air, water and soil resources?*

Rangeland resources (if applicable; grasses, sedges, forbs, shrubs, nitrogen fixing plants, grazing animals, sustainable grazing guidelines, # pastures and animal rotation, water sources, salt block placement)

Current condition or use

Treatments/monitoring/recommendations planned

Grazing animals (native and domestic that are present, in what numbers and time of year; or are you planning for them in the future and in what units)

Current condition or use

Treatments/monitoring/recommendations planned

Weed management, invasive species (inventory, control, monitoring, prevention guidelines, consider integrated pest management)

Current condition or use

Treatments/monitoring/recommendations planned

Management of Forest Resources

(If a stand is being treated, the general area can either be described or identify the impacted areas on your map) Note MU's in which you are planning activities.

Protection from insects & diseases (mechanical treatments, chemical applications)

Current condition or use

Treatments/monitoring/recommendations planned

Tree species to regenerate (Natural regeneration or planted; 1) How will this be achieved, 2) What time of year will actions take place, 3) How large an area, 4) How many seedlings or what spacing?)

Current condition or use

Treatments/monitoring/recommendations planned

Non-commercial thinning treatments (species preference, spacing, time of year, debris abatement)

Current condition or use

Treatments/monitoring/recommendations planned

Wildfire hazard reduction and fire resilience treatments (herbaceous and grassy fuels, dead woody fuels, live fuels, fire ladders, crown density, firebreaks, access, water)

Current condition or use

Treatments/monitoring/recommendations planned

Property Management Plan Constraints

Other Considerations

Forest Management Activities

Harvesting: Describe type of treatment and in what unit(s): Even-aged: clearcut, thinning; Uneven-aged: group select, single tree select, overstory removal, understory removal, etc. Treatment methods: ground based or skyline, time of year, type of harvest; seed tree, sanitation, etc.

Treatments/ recommendations/ monitoring and inspection of work planned

Slash management (leave slash at the stump, whole tree skid, burn piles, masticate, chip, leave and distribute woody debris, consider nutrient cycling and future fire hazard)

Treatments/ recommendations/ monitoring and inspection of work planned

Post-harvest activities (when and where will you burn, rehab and seed roads and landings, spray weeds?)

Treatments/ recommendations/ monitoring and inspection of work planned

Permits (where do you get slash hazard reduction agreement, 310 permit for stream crossings)

Monitoring (how often and when do you plan on evaluating harvest units to ensure your overall forest management goals are being met?)

Stewardship Plan Activity Schedule and Record

(MU or all MU's combined) _____

(Copy additional pages if needed)

*NRCS Practice Code needed if practice will be submitted for cost share, otherwise leave blank.

	MU#	Treatment Activity Short Description	Treatment (Acres, Feet)	NRCS Practice Code*	Dates		Incentive Program(s) used?	Net Cash Flow (optional)	
					Planned	Completed		Cost	Income
Years 1-2									
							subtotal		
Years 3-4									
							subtotal		
Years 5-6									
							subtotal		
Years 7-8									
							subtotal		
Years 9-10									
							subtotal		
TOTAL									

Timber Sale Contract Checklist for Private Landowners and Loggers

Unless a private landowner has the ability to personally harvest trees and transport them to a sawmill or other wood processing facility, the act of logging and transporting trees will be conducted by a contracted professional. The following is a checklist of issues a private landowner and logging contractor may wish to consider on a logging contract. Each of the items should be addressed in a contract to allow for a minimum probability of a dispute. Issues can be as detailed as both parties find acceptable and economically feasible.

___ **Property location and legal description are clearly defined**

___ **Property boundaries and harvest units are clearly and accurately marked**
(logging trespass results in a minimum cost of 3x value of trees)

___ **Property ownership is documented and type of ownership is specified** (Individual, partnerships, corporations, etc.)

___ **Insurance is documented** (Any contractor working for a landowner must have Commercial General Liability \$1 –million, Loggers Broad Form Property Damage Liability \$1-million, Workers' Compensation \$100,000 or an Independent Contractor Exemption, and Automobile Liability \$1-million. If they do not have these, the landowner will be held liable for any damage or personnel injury that may occur. Logging is a hazardous activity!)

___ **Access to the property/harvest unit are specified and documented** (To avoid trespass or the disturbance of sensitive areas access routes should be clearly delineated. If access across other ownerships is required, written and notarized documentation of access permission should be obtained). Insurance can be written to include owner and consulting forester.

___ **Type of harvest is clearly specified for each harvest unit** (Typically trees are marked both at eye level and on the stump, or harvest tree characteristics are defined by species, diameter, crown characteristic, or residual tree spacing)

___ **Timing of harvest is specified** (Dates when harvesting and/or other treatments need to be conducted or completed by)

___ **Residual property specifications should be defined** (This is as detailed as the landowner and contractor can agree upon. Issues can be the completeness of residual logging debris disposal, burn pile rehabilitation, grass seeding, skid trail rehab, noxious weed control, tree planting, noncommercial thinning)

___ **Hazard Reduction Permit has been acquired and responsible party designated** (Under state law a hazard reduction permit must be obtained from the DNRC and a bond posted that covers the expense for meeting the HRA specifications. Either the landowner or contractor is responsible for this)

___ **Best Management Practices (BMP's) and Streamside Management Zone (SMZ) responsibilities are designated** (Compliance to Montana BMP's is ultimately the landowners' responsibility but should be specified in the contract. Similarly, compliance with SMZ's are state law and their implementation should be specified)

___ **Performance bond or contract penalty** clauses some provision for compensation to the landowner for harvesting activities that deviate from specifications. Having the contractor post a bond is the best protection for the landowner but imposes a risk on the contractor. Contractors already post a performance bond with the state to comply with the Hazard Reduction Agreement)

___ **Method of payment is clearly defined** (**Lump sum** is one payment for the entire estimated log volume, this method may over or underestimate actual value but is simple and can be demanded in advance of the actual harvesting. **Payment by unit** is where payment for logs occurs based upon the actual scaled logs at the mill. Either the contractor pays an agreed upon percentage to the landowner or the mill pays agreed upon percentages separately to the contractor and landowner. Downfall is that in cases of salvaging dead and dying trees a delayed harvesting job can result in losses of standing tree value)

___ **Method of scaling is defined** (Either direct scaling or weight scaling are used. Direct scaling tends to be more accurate though each mill may use different defect deductions. Weight scaling works for large volume sales that have trees of similar species and diameter. In general logs should be trucked to the mill quickly following harvest or they lose significant water weight or for most accurate conversions a continuous representative sample of logs should be check scaled and weighed)

___ **Notification** (It is defined if and when the contractor or landowner needs to notify the other party about when activities are to start or end and the type of format – written, e-mail, telephone. This is to avoid issues with blocked access, noise, etc.)

___ **Expiration date** (Any contract should have a defined end date after which the contract is no longer valid)

___ **Notarization** (Any legally binding document should have signatures notarized)

*** This is simply a recommended check list compiled from a variety of sources including The Montana Logging Association for a harvesting contract. Any contract can be challenged. It is always advised that a contract be reviewed by an attorney. You may also want an attorney's fees recovery statement in the document that will allow for recovery of legal fees should a dispute require legal action.

**Supplemental pages for unit/stand descriptions
and desired future conditions.**

Additional Stand Level Information

Unit 1 _____ Acres _____

General current description _____

Objectives _____

Desired condition _____

Unit 2 _____ Acres _____

General current description _____

Objectives _____

Desired condition _____

Unit 3 _____ **Acres** _____

General current description _____

Objectives _____

Desired condition _____

Desired Future Condition (Trees)

MU _____

(Complete for each Management Unit - This page is optional, but helpful, in describing your desired future conditions)

Length of planning period _____ 5yr _____ other
Add more pages as needed – (Additional pages at end)

Desired tree species and **expected longevity** (maximum age you expect trees to reach before they die of natural causes or are harvested)

Desired Tree Species

1. _____	_____	_____
2. _____	_____	_____
3. _____	_____	_____
4. _____	_____	_____
5. _____	_____	_____
6. _____	_____	_____

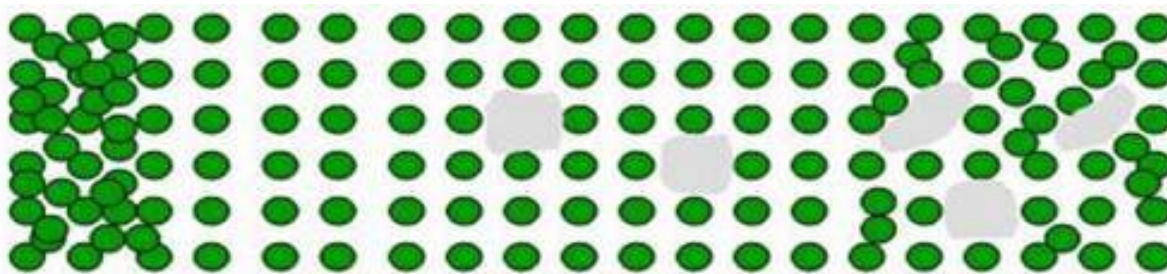
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DF	Douglas-fir
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WL	larch
GF	grand fir
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WRC	w. red cedar
WH	western hemlock
WP	white pine
SAF	sub-alpine fir
LP	limber pine
RMJ	Rocky Mtn juniper
QA	aspen
CW	cottonwood
GA	green ash

Desired species to naturally regenerate _____

Desired species to plant _____

Desired Tree Distribution (Bird's-eye view of forest-(check one))

- ☐ Wild stand
 ☐ Evenly spaced
 ☐ Evenly spaced with openings
 ☐ Variable density spaced with openings



Desired spacing (in feet) Large (>9" DBH) _____ (ft)

Pole (5-8" DBH) _____ (ft) Seedling (<5" DBH) _____ (ft)

Size and shape of openings _____

Desired structure:



- ☐ One canopy layer
 ☐ Two canopy layer
 ☐ Multi-layer/
Uneven aged

Spacing (feet)	Trees/acre
3x3	4,840
5x5	1,742
7x7	889
10x10	436
12x12	302
14x14	222
16x16	170
18x18	134
20x20	87
25x25	70
30x30	48
40x40	27

Desired Future Condition (Trees)

MU _____

(Complete for each Management Unit - This page is optional, but helpful, in describing your desired future conditions)

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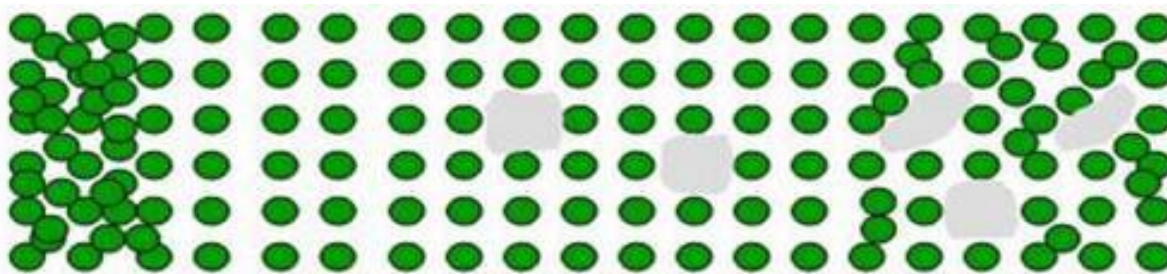
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Desired Tree Species

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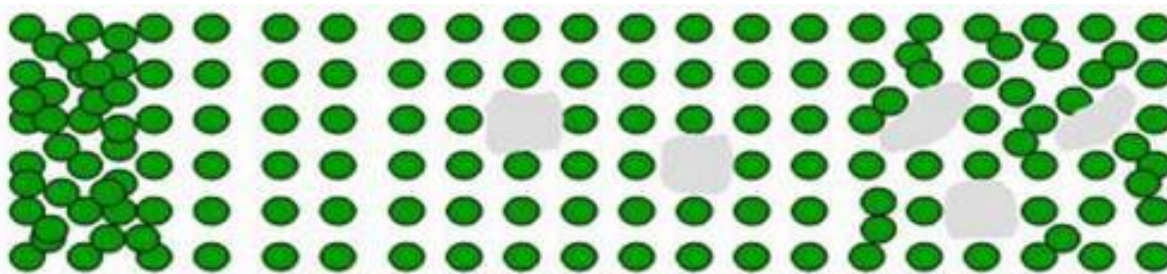
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Desired spacing (in feet)

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