



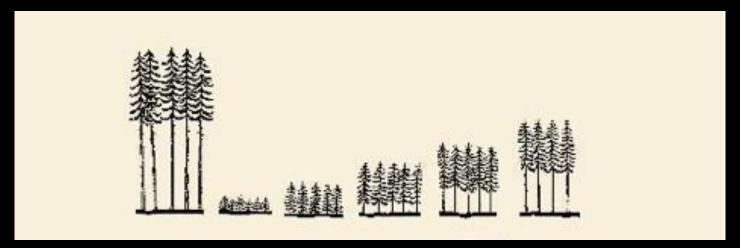




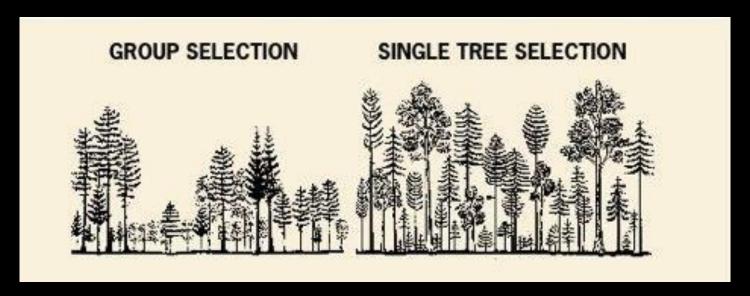




Uneven-aged Management



Even-aged "age-class" Forestry



Traditional thinning

vs. Variable Density Thinning





- Even spacing between trees
- Easier Rx for logger or PCT thinning contractor
- "Reliable" growth & yield
- "Tree Farm" aesthetic
- More common in single-species plantations

- Uneven spacing between trees, gaps
- May require a forester to mark trees for cutting
- Measuring growth is more challenging
- "Natural forest" aesthetic
- More common in multi-species forests
- Promotes natural regeneration
- Better wildlife habitat & forest health



- Thin 30% of trees (20 25% volume)
- Thin from below
- Remove low value/defective timber first
- Thin across diameters and species
- Release understory trees or hardwoods
- Protect sensitive sites (steep slopes, streams & wetlands, talus outcrops, oak, etc.)
- Patch cut disease pockets





































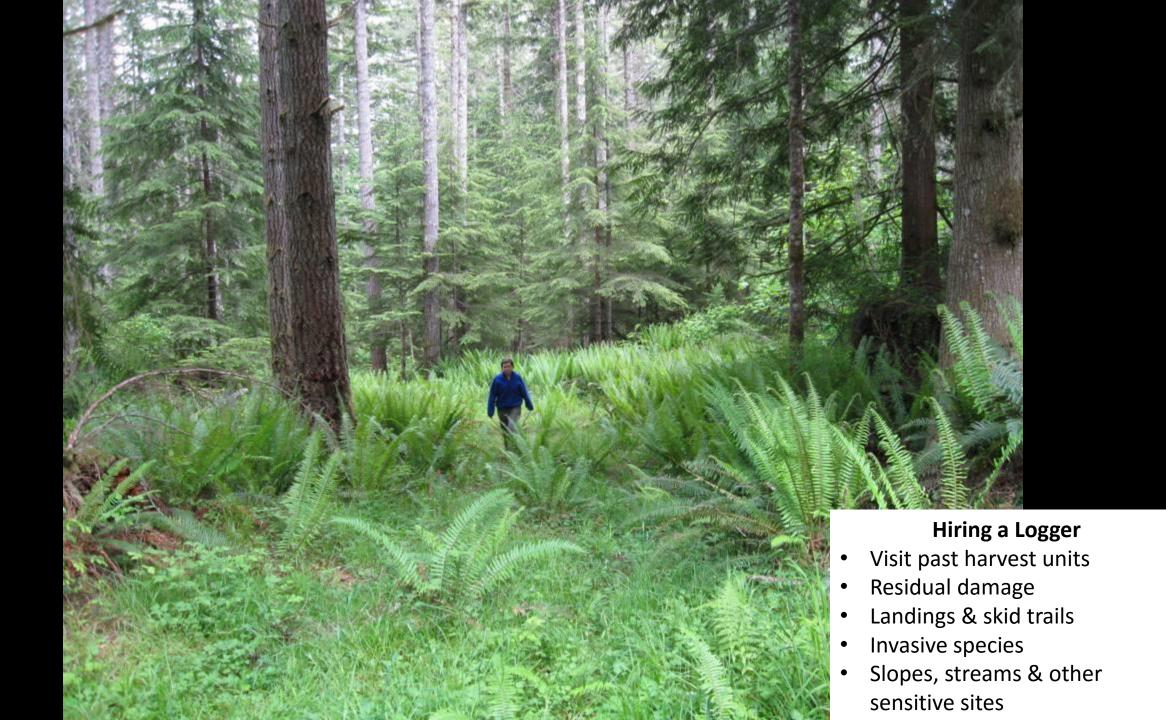


Hiring a logging contractor:

Formal Bid Package or "informal"

- 1. Operational Rx (cutting guidelines)
- 2. Assessment info: (acres, volumes by species)
- 3. Bid and payment method:
 - Percentage split at mill (aka scale sale)
 - Landowner pays logger for service: per mbf or ton
 - Logger pays landowner for logs: per mbf/ton or lump sum
 - Trucking (off the top)
- 4. Who markets & sells logs: purchase agreement with mills
- 5. Specify equipment types or request proposal
- 6. Site Visit





Hiring a logging contractor:

Contract

- 1. Straight from bid package
- 2. Insurance, Performance Bond?
- 3. Payment Method:
 - Split, trucking off the top
 - Consultant pass through
- 4. Decide on markets & sorts

Write field version of Cutting Guidelines

- Special protections
- Bucking & sorting instructions
- Simple! 1 page max



Pre-work meeting

- Review contract & cutting guidelines with operator
 - Will operator be subbing anything out?
- Finalize layout with operator: landings, road locations, yarding corridors



Supervising the Show!

• Value Maximization: felling, bucking, yarding



Oversee log loading, load tickets



<u>Damage</u>

- Residual trees
- Understory
- Snags



<u>Damage</u>

Soils



Suspend Operations?



Finishing Up

- 1. Load Reports
- 2. Final Accounting: load summary & cross check with tickets
- 3. Planting Plan & shrub/invasive control
- 4. Taxes
- 5. Set money aside



