

Tending Your Woodland

Why?

- To shape future structure and composition to match your objectives
 - Aesthetics
 - Forest health
 - Timber production
 - Diversity
 - Wildlife habitat



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Tending - Practices Broad set of individual practices including: • planting • veg. management • thinning • pruning • pruning

Stand tending

thinningpruningfertilization

Rx burning

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fertilizing

harvest

• Rx burning

Tending - Systems

Management System:

Harvest

- final harvest

partial cutting

 A planned process whereby a stand is tended, harvested, and reestablished Generally defined by age structure and or regeneration approach:

- Even Age Systems
- Uneven (or multi)
 Age Systems

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Silviculture

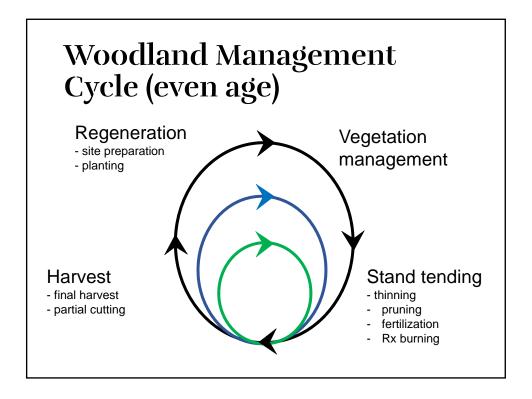
- The name comes from the Latin silvi- (forest) + culture (as in growing).
- The growing and cultivation of trees
- = Tending your
 forest

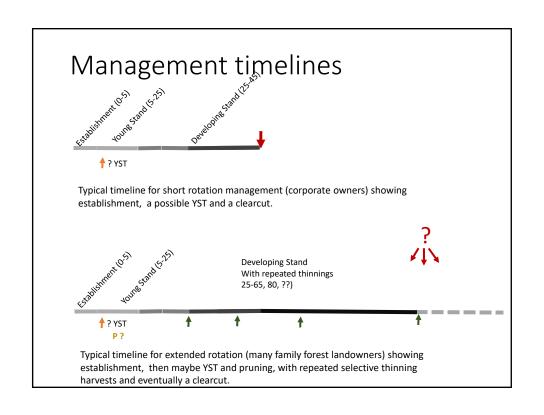


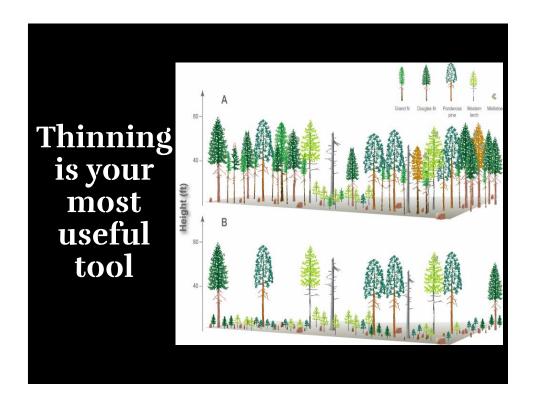
Silviculture is Applied Ecology

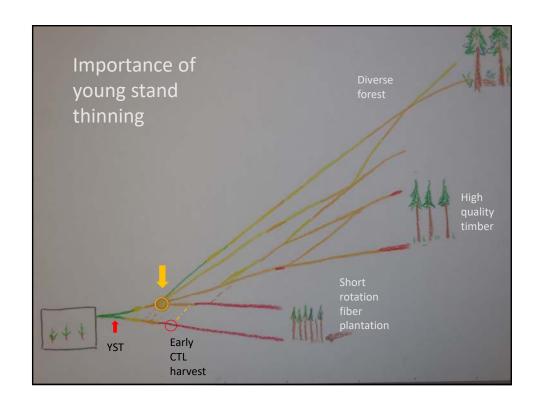
- Control disturbances to achieve desired results.
- Practices done in stands to shape the development of a desirable future condition (structure and species composition).

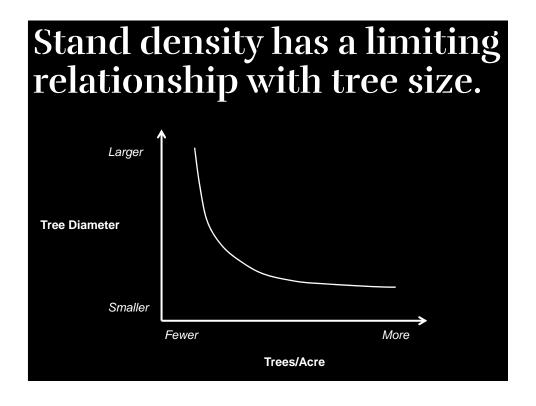




















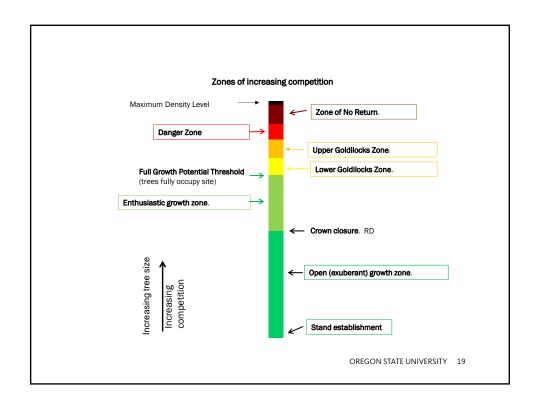
Young Stand Tending

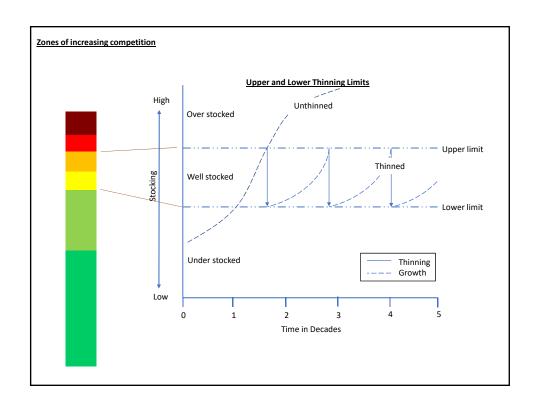
- Pruning
- Thinning



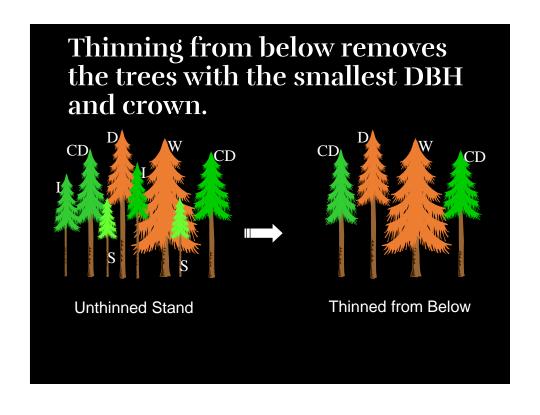


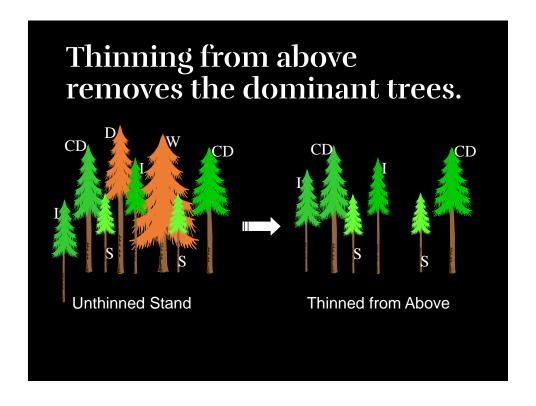


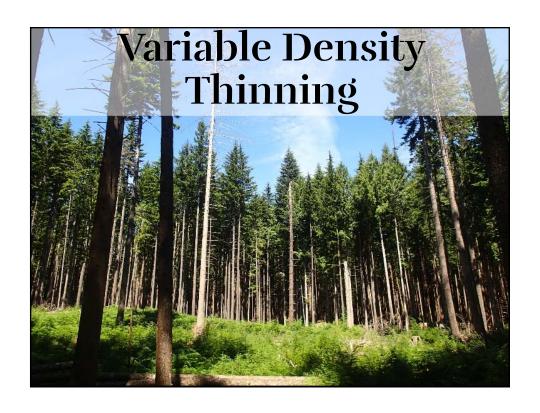


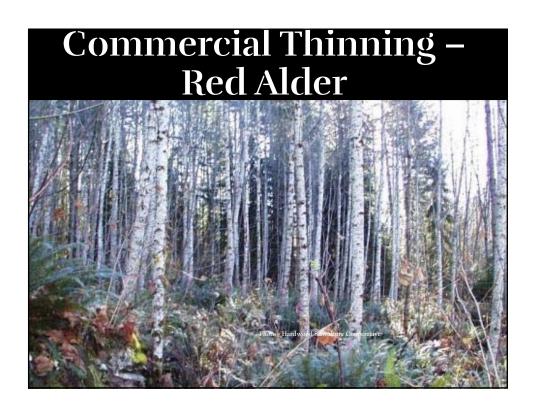




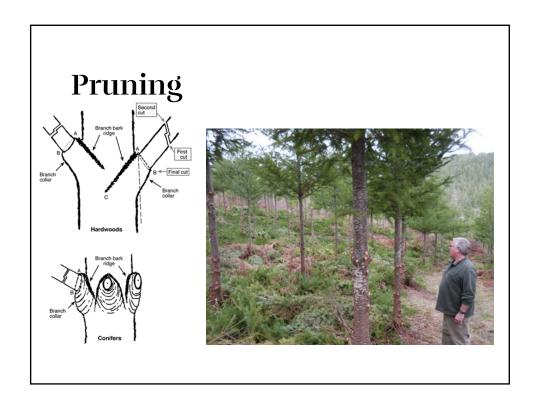










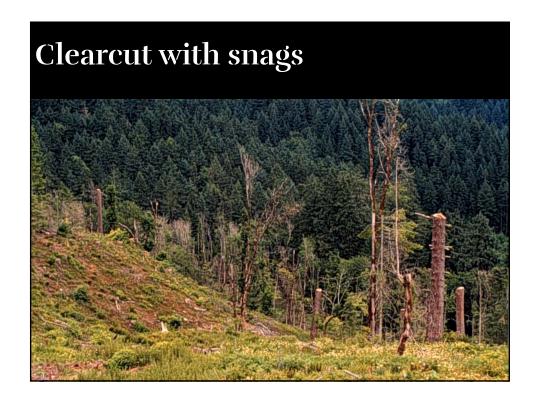


Regeneration Harvest Methods

Even-aged vs multi-aged

- One or two age classes
- 3 or more age classes
- Narrow distribution of diameter classes
- Wide distribution of diameter classes
- Result of disturbance, or harvesting method
- Created by periodic removals throughout all diameter classes
- Rotation: beginning and end in terms of economic or biological maturity
- Perpetual cover with regeneration a goal of each cutting cycle.

Clearcut Seed-tree Shelterwood













Some take home messages:

- Forests should be managed for those trees and plants adapted to that site.
- 2. Northwest forests historically established by major disturbances.
- 3. Most are even-aged at least within stands and patches that result from the disturbance.
- 4. Larger trees are not necessarily older trees if they are growing side by side.
- 5. Strive to allocate resources to trees meeting desired objectives .
- 6. Increase diversity and structure, but avoid introducing exotic plants.
- 7. Doing nothing is *NOT doing nothing* the woods you have today will not be the woods you get tomorrow you cannot preserve it as it is. Forests change over time.

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- Reforestation
- Water
- Harvesting
- Sensitive sites
- T&E species
- Fire
- Chemicals

