

Silvicultural Systems & Methods of Regeneration

- Objectives
 - Methods of Regeneration
 - Silvicultural Systems

- Thoughts and insights from the reading assignment

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- Regeneration - Natural vs. Artificial

Natural Regeneration



Artificial Regeneration



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- Regeneration – Seedlings vs. Sprouts

Seedlings

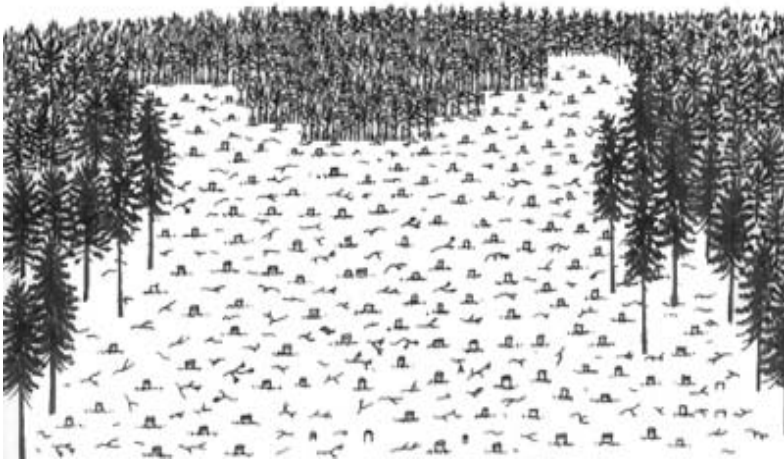


Sprouts



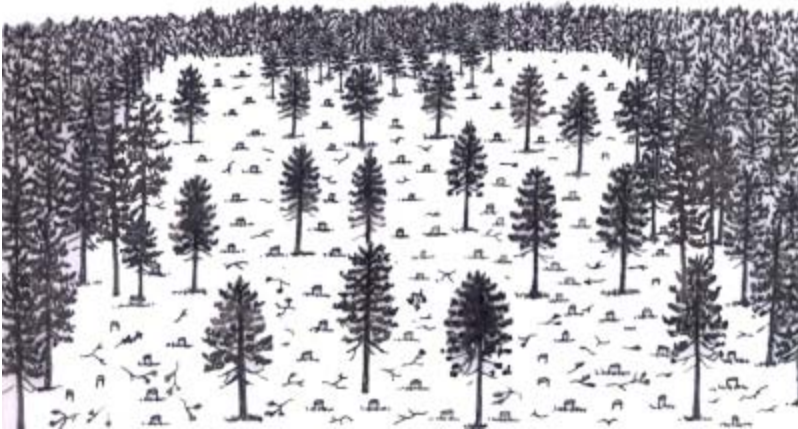
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- Regeneration - Clearcutting



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- Regeneration - Seed-tree



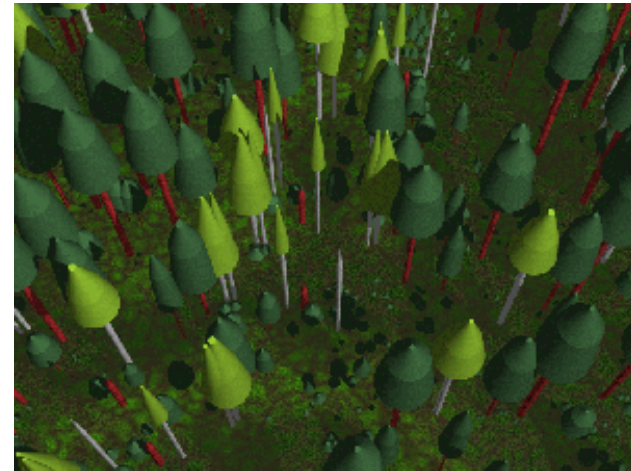
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- Regeneration - Shelterwood



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- Regeneration - Selection



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- **Silvicultural System (Smith *et al.* 1997)**

1. Harmony with goals and characteristic of ownership
2. Provision for regeneration
3. Efficient use of resources and site productivity
4. Control of damaging agents
5. Conservation / Protection of soil and water resources
6. Provision for sustained yield
7. Optimum use of capital and growing stock
8. Concentration and efficient arrangement of operations
9. Maintenance of desired plant and animal populations
10. Execution of policies about landscapes, scenery, and aesthetic considerations