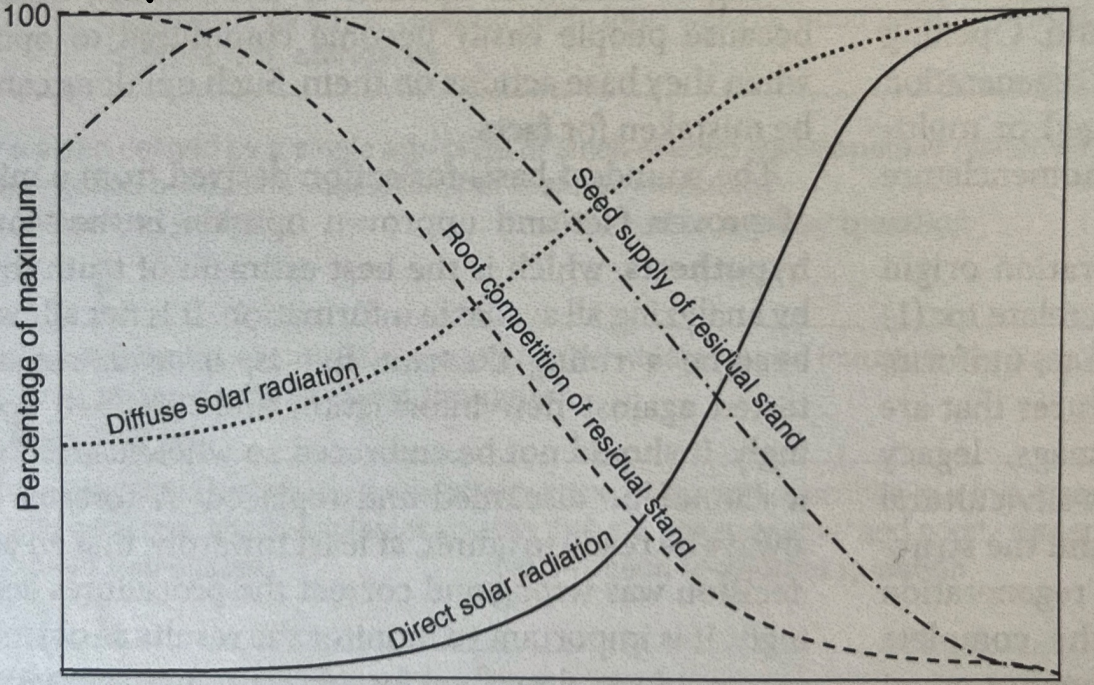


Unintensive/minimal → Site treatments ← Intensive

STS GS

Shelterwood ← Seed tree ← Clearcut ←



0 Release → Percentage canopy removed ← Lethal
Degree of disturbance

Clearcutting

→ Mimics high severity fire/disturbance

→ Rotation length.

→ Remove whole stand

- Wait for ~~new~~ trees to regrow

→ Operational advantages

- Favor fast growing species; Very

Cheap



Simple

Clearcuts

= a square

or blob, . . .

cut everything

... process everything.

... move onto next square.



Seed Tree Cut.

→ Essentially a clear cut w/
residual trees. Minimizes HS disturbance
w/ survivors

→ Now we have to decide
which trees are NOT cut.

Tree marking!

= cost.

= Pay for labor
and paint.

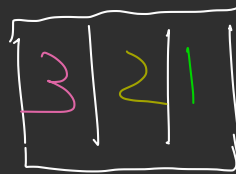
→ Greater control of species
composition



© Michael Fountain

Shelter wood cuts.

Simple



→ Progressive

harvesting in groups
or strips etc.

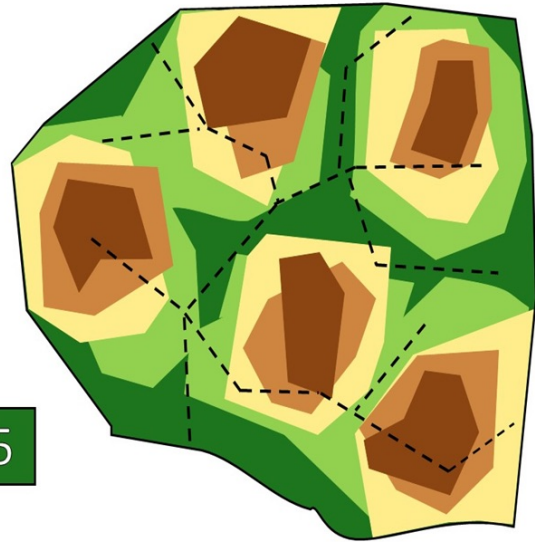
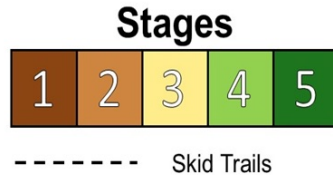
→ Reduced rotation
length (continuous)

→ M-m-i-e-s: Small

scale HS disturbances... Mixed Severity

→ A ton of flexibility

Figure 1. Conceptual diagram of an expanding gap shelterwood showing removals during each entry (Stage 1 to 5). This system uses five cutting cycles for regeneration harvests, resulting in a 20 percent area control for the stand. Dashed black lines are one potential permanent skid trail layout. Stage 5 may be left as an unharvested reserve.



Progressive groups
mimicking burn mosaic



Post-cut
→ Mark all the
cut/leave areas



Single Tree and Group Selection

→ Goal = multi-aged stands

→ Ind trees or groups to be cut

→ Groups

→ Within a stand → single or mixed species

→ 3 or more trees in an area of 1/4
to ?? 0.75 acres ... or so

Coppice

→ silvics

→ cutting to promote sprouting.



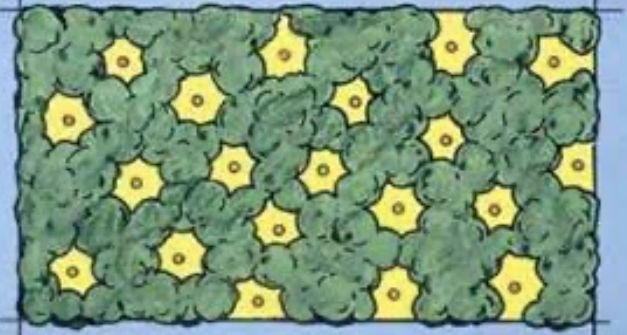
↑

often done

on declining stems
to make many healthy



Single Tree Selection



S TS and GS

→ These require
extensive marking. \$\$\$

→ Lots of creativity / freedom

Leave tree Mark

- Paint trees to be left "orange"

Cut tree Mark

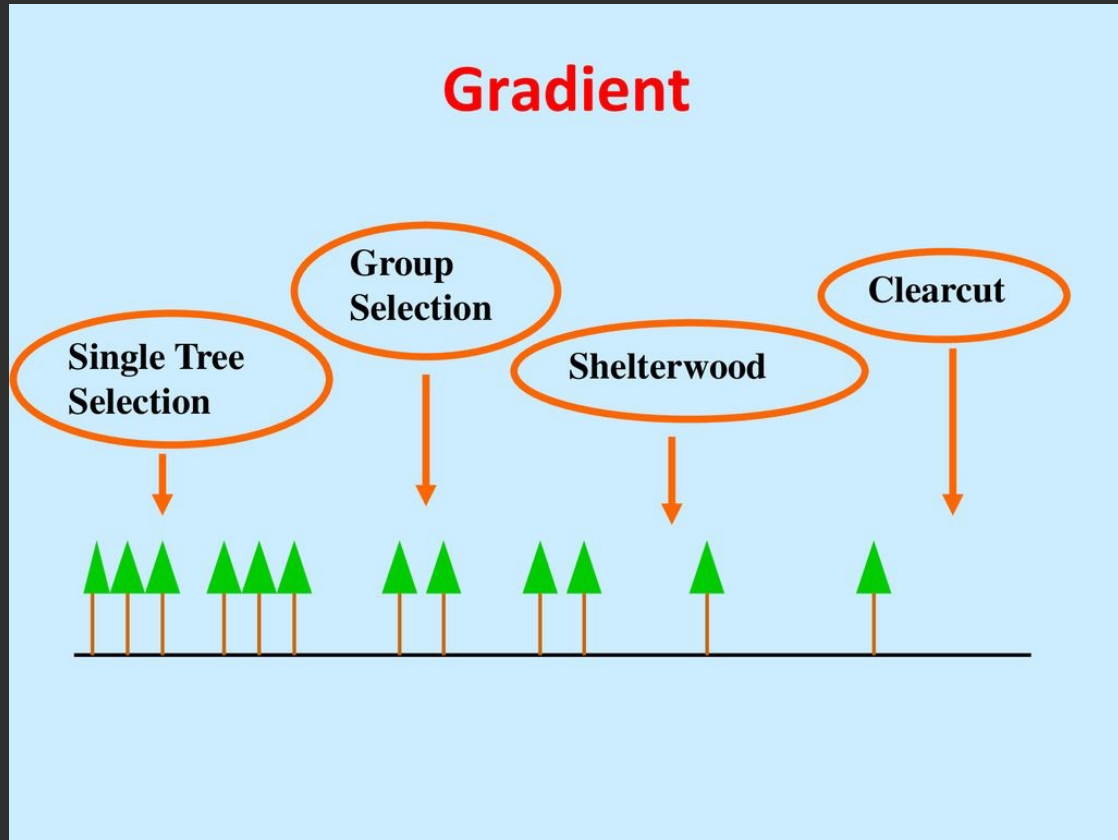
- Paint trees to cut "blue"

"D x P" → description by prescription



These are
not mutually
exclusive!

What are
the risks of
no action?



Low
intensity

High
Intensity