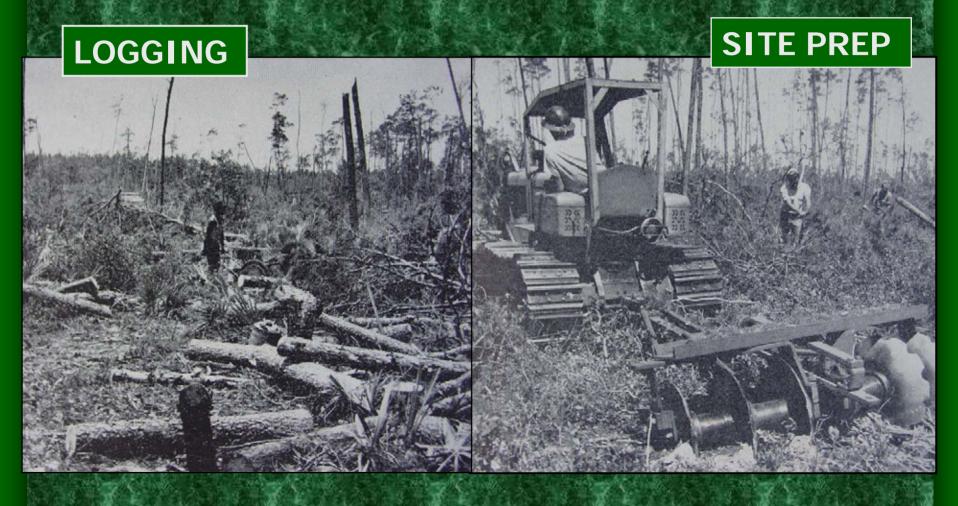


Early Sand Pine Management – 1950's

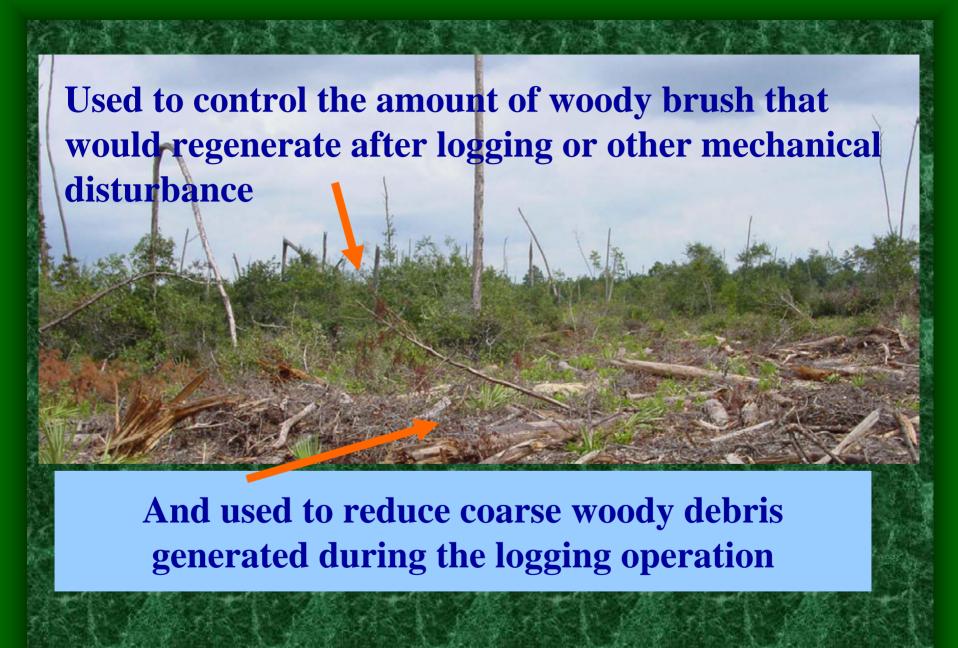


Current Uses - Sand pine management

Has been used since the 1950's to prepare sites both before seeding or before natural regeneration









Facilitates the seeding operation









Chopping is done by contract

Contractor provides tractor or dozer/ operator

and chopper(s)



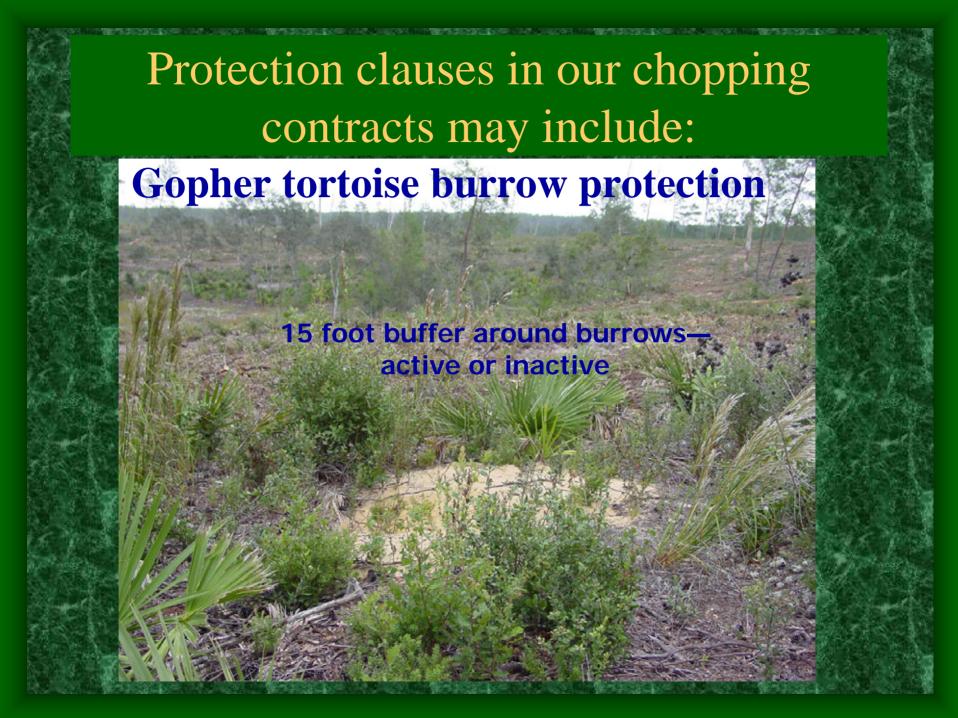






Contract Specifications

- Size of equipment to pull chopper
 - Can vary from 20-350 hp
- Size of choppers
 - Drum diameters vary from 20-60 inches
 - Drum width varies from 4-12 feet
- Blade configuration of choppers
 - High-low; offset drawbar; straight or angle
- Single or tandem choppers



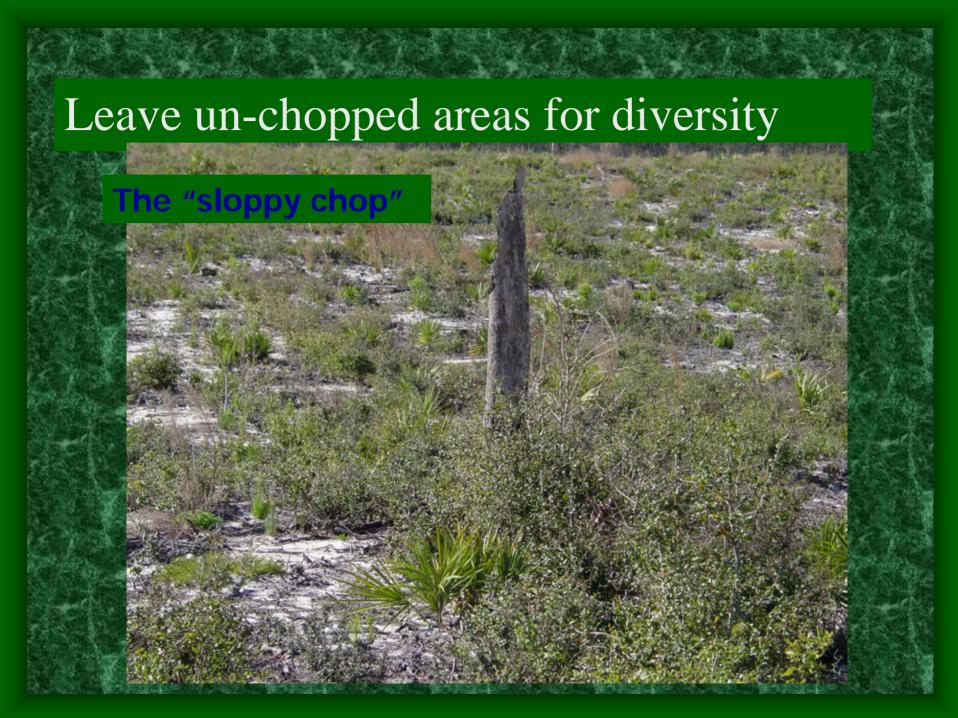
Indigo snake awareness and protection:



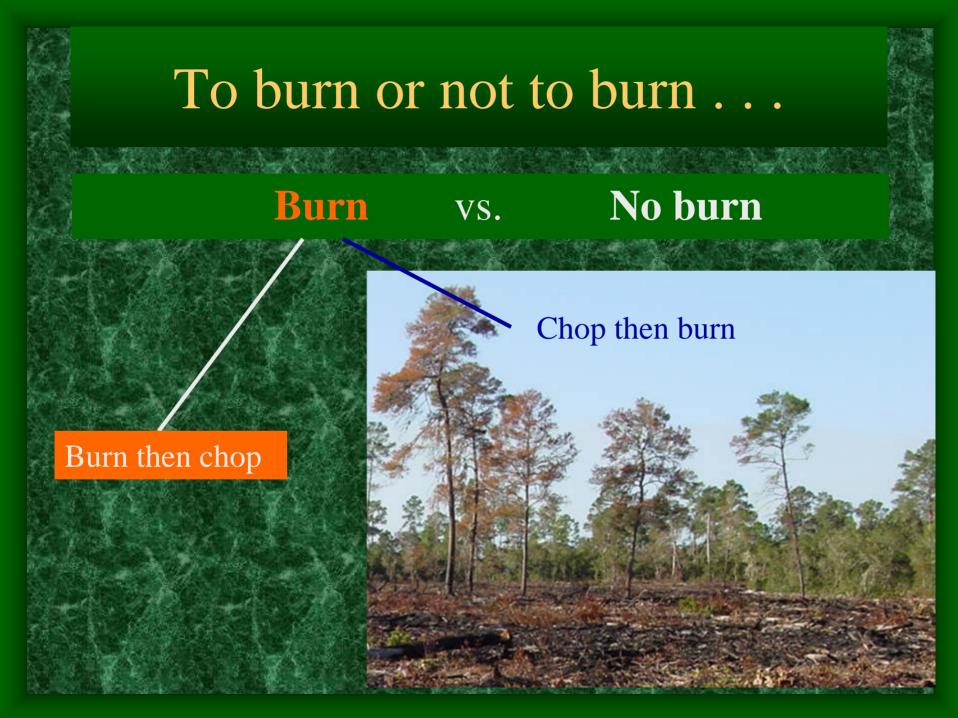


- Access to areas
- Hauling choppers on forest roads
- Snags









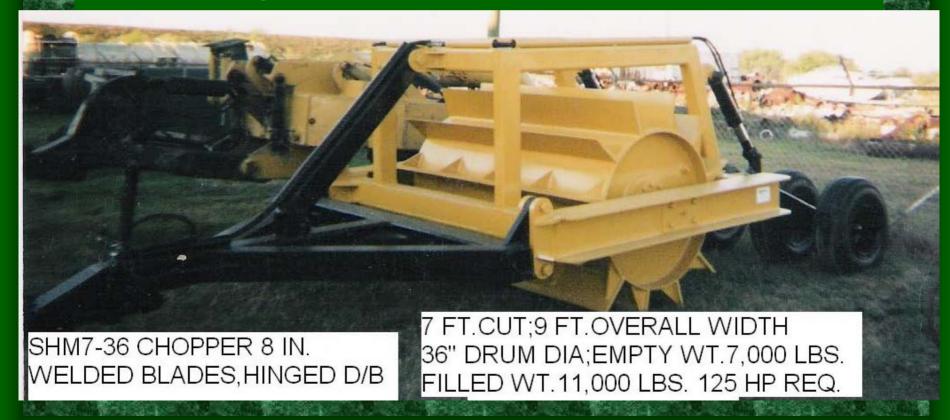
Effects of Chopping





How Chopping Effects can vary:

Single drum, light to medium sized chopper, will knock woody plants back to ground level where after they re-sprout and continue growth





Tandem drums, medium to heavy choppers, will reduce the amount of woody plants and create some bare ground







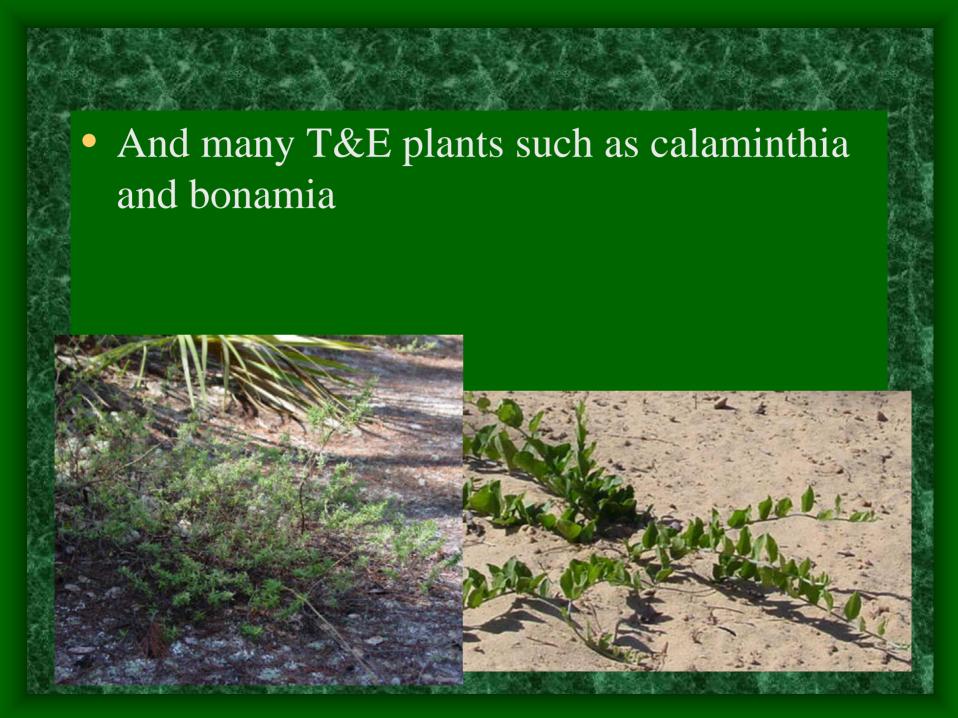
• Reduces coarse woody debris



Chopping Effects – bare ground

• Creating bare ground area in the scrub has important implications for many scrub animals such as scrub jays, sand skinks, scrub lizards, and gopher tortoises.





Effects of Chopping – Soil Disturbance

Varies by:

- > type, size, and number of drums
- number of passes made by choppers
- amount of debris and brush on site
- inherent erodability of soil



- Generally, the least soil disturbance of any mechanical treatment after mowing
- Soil Displacement* is minimal

*Soil displacement refers to soil being gouged, scraped or pushed from its natural position by mechanical means.



Flatwoods site



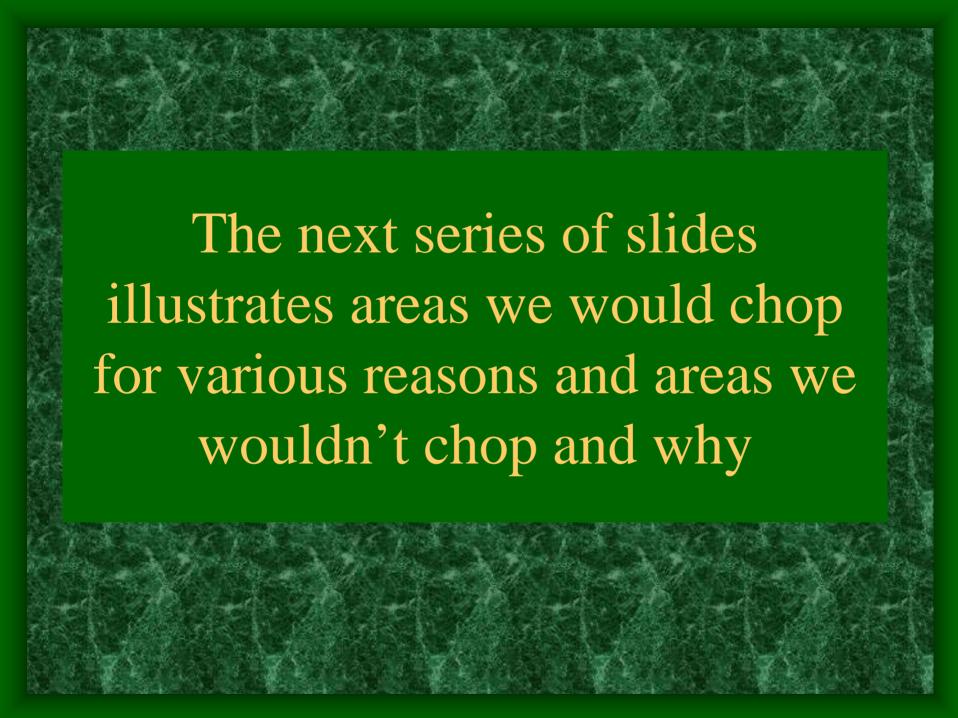


- Dry soils greater effect





- On Ocala NF, most chopping is usually done in late summer thru the fall
- Chopping done for scrub regeneration is usually done in early winter
- These times best coordinate with avoidance of ground nesting birds and least herp vulnerability



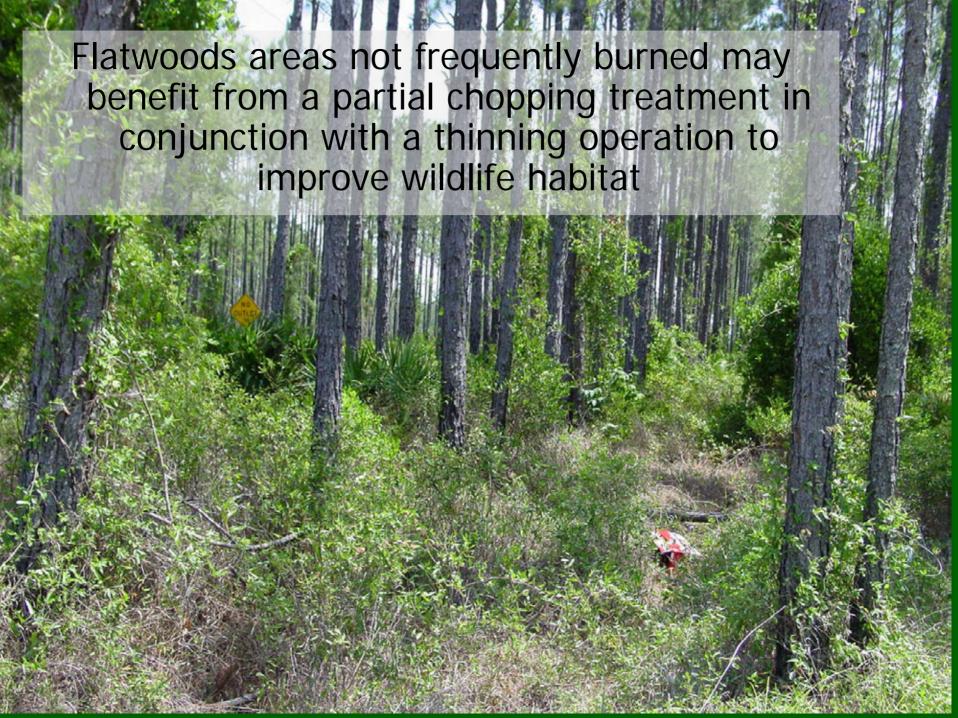








On longleaf-wiregrass sites, if oaks become a problem we prefer mowing or herbicides on these sites.





Urban-interface areas are often not burned as regular as we would like. Chopping before burning can reduce fuels and make it a less risky burn that may be accomplished within wider parameters.



In Summary:

- Chopping is used on the Ocala NF for
 - Site preparation in scrub & flatwoods
 - Restoration of herbaceous species in flatwoods (in conjunction with prescribed burning)
 - Scrub jay habitat improvement in scrub
 - Fuel reduction and facilitate prescribed burning in flatwoods and urban-interface

