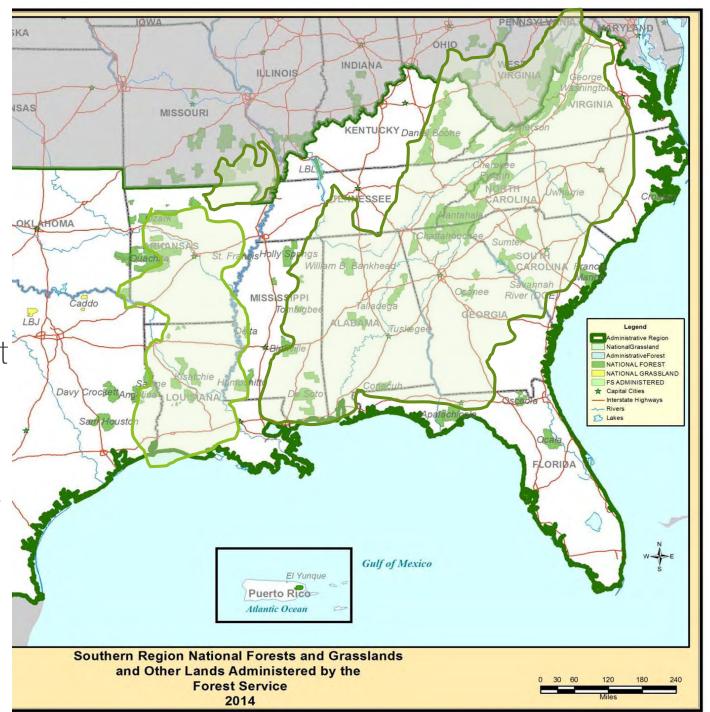


Shortleaf Pine Range and Location of R8 (Southern Region) National Forests

All R8 National Forests, except El Yunque and Florida, have significant potential to manage and restore shortleaf pine.

Forested stands of shortleaf pine or shortleaf pine-oak occur on about 1.8 million acres in R8.

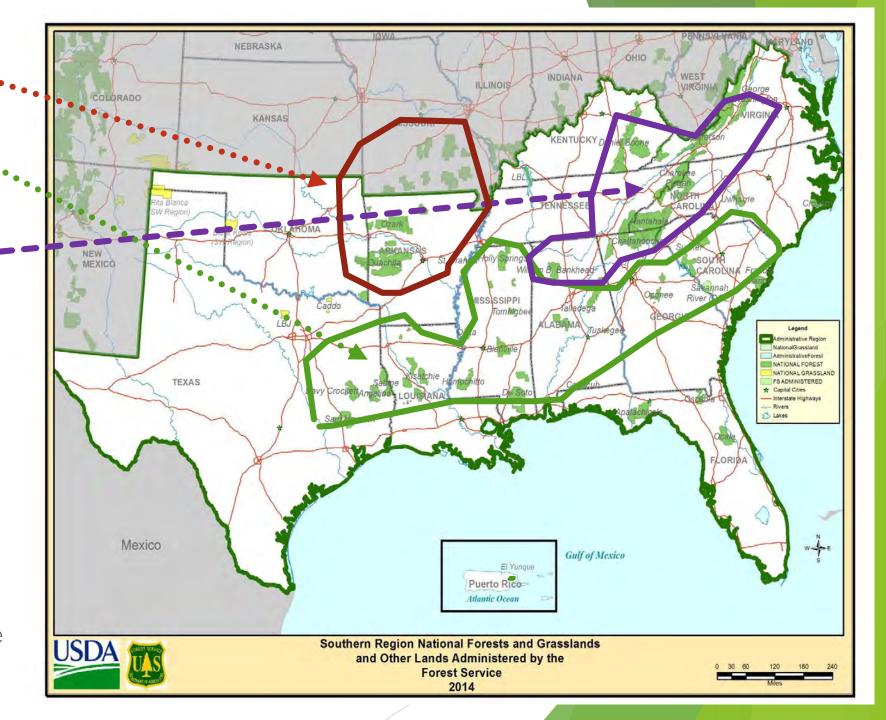


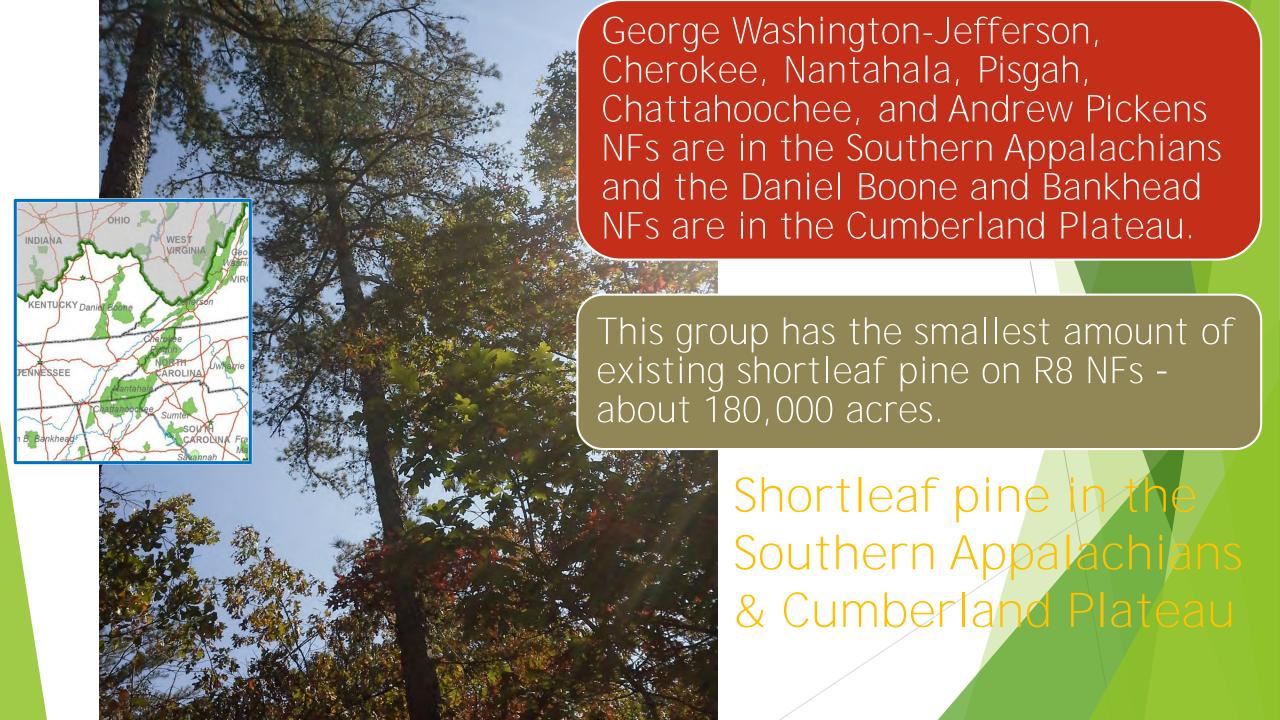
Interior Highlands ••••

Coastal Plains/Piedmont

Southern Appalachians & Cumberland Plateau

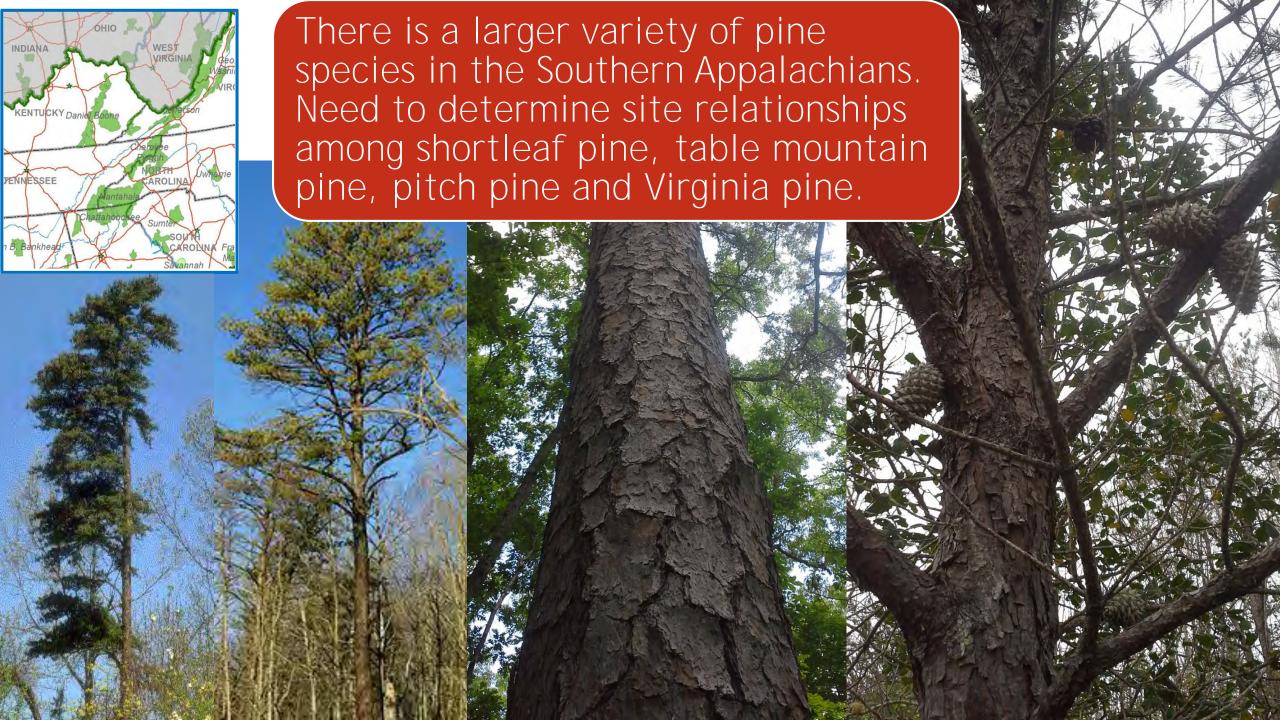
- There are three distinct geographical groups of shortleaf pine within R8.
- Within these groups, the total amount of shortleaf pine acres and density of shortleaf pine within forest stands varies considerably.
- Past management and current restoration efforts have also varied greatly within these three geographic groups.

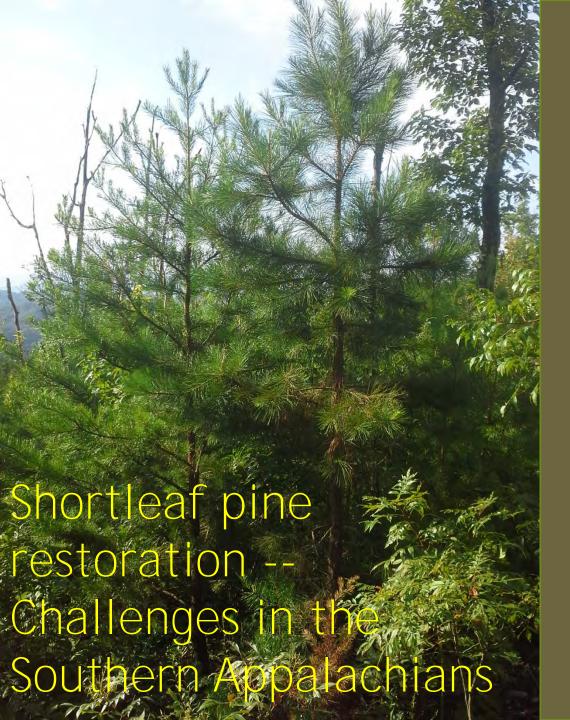












- Capacity to prescribe burn potential shortleaf pine management and restoration areas
- ► Lack of operability in stands needing harvest treatments to initiate restoration
- ► Lack of adequate seed source for natural regeneration because of past southern pine beetle outbreaks
- Need to establish site relationships between shortleaf pine, pitch pine and table mountain pine, which are all restoration species of concern in the Southern Appalachian forest
- ► Understanding the site characteristics to determine when to manage for shortleaf, shortleaf-oak, oak-shortleaf or oak with a minor component of shortleaf

Southern Appalachian & Cumberland Plateau Accomplishments

- Completed an assessment of shortleaf pine and shortleaf pine-oak acres, both existing and potential
- ► Regional Shortleaf pine team visited Forests to validate the assessments and initiate discussion about shortleaf pine restoration
- ► As a result of validation process, the assessment for Daniel Boone NF is being adjusted
- As a result of Forest visits, a technical workshop is being planned in cooperation with the Southern Research Station and the Shortleaf Pine Initiative, to specifically address shortleaf pine restoration and management in the Southern Appalachians.





Longleaf



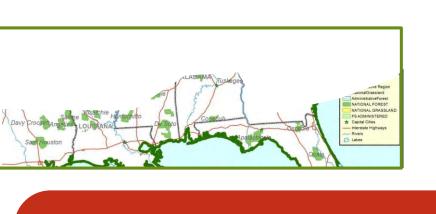
Shortleaf



Loblolly

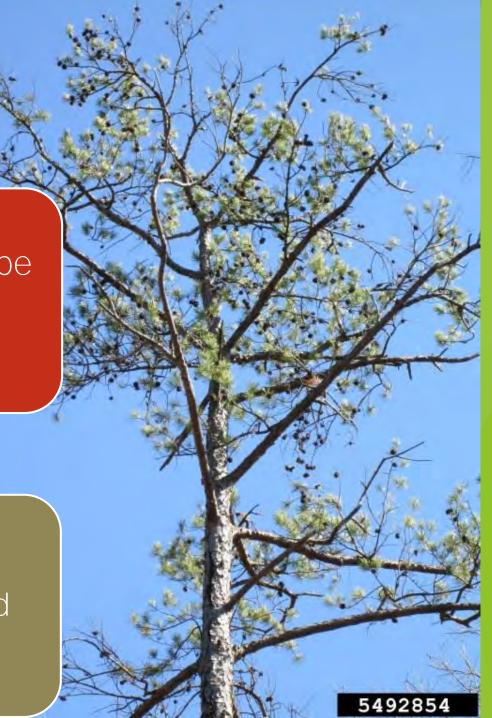


Many of the Forests in this group have longleaf and shortleaf pine occurring on the same sites. It will be important to better understand this relationship and develop appropriate management for both species.



Historical occurrence of Littleleaf disease will be an important consideration for shortleaf pine restoration in the Piedmont.

On high risk sites, mostly in the east part of this group (North Carolina, South Carolina, Georgia, and Alabama) may preclude shortleaf pine restoration.



Coastal Plains/Piedmont - Accomplishments

Though most National Forests in this geographic area have been focusing on longleaf restoration in recent years through the American Longleaf Restoration Initiative (ALRI), there are two Ranger Districts that have focused on shortleaf pine restoration.

Caney RD, Kisatchie NF

District Size - 35,000 acres

- ▶ Planted 713 acres during 2015-2019
- Restoring shortleaf by harvesting offsite loblolly pine
- Prescribe burning to support shortleaf pine restoration



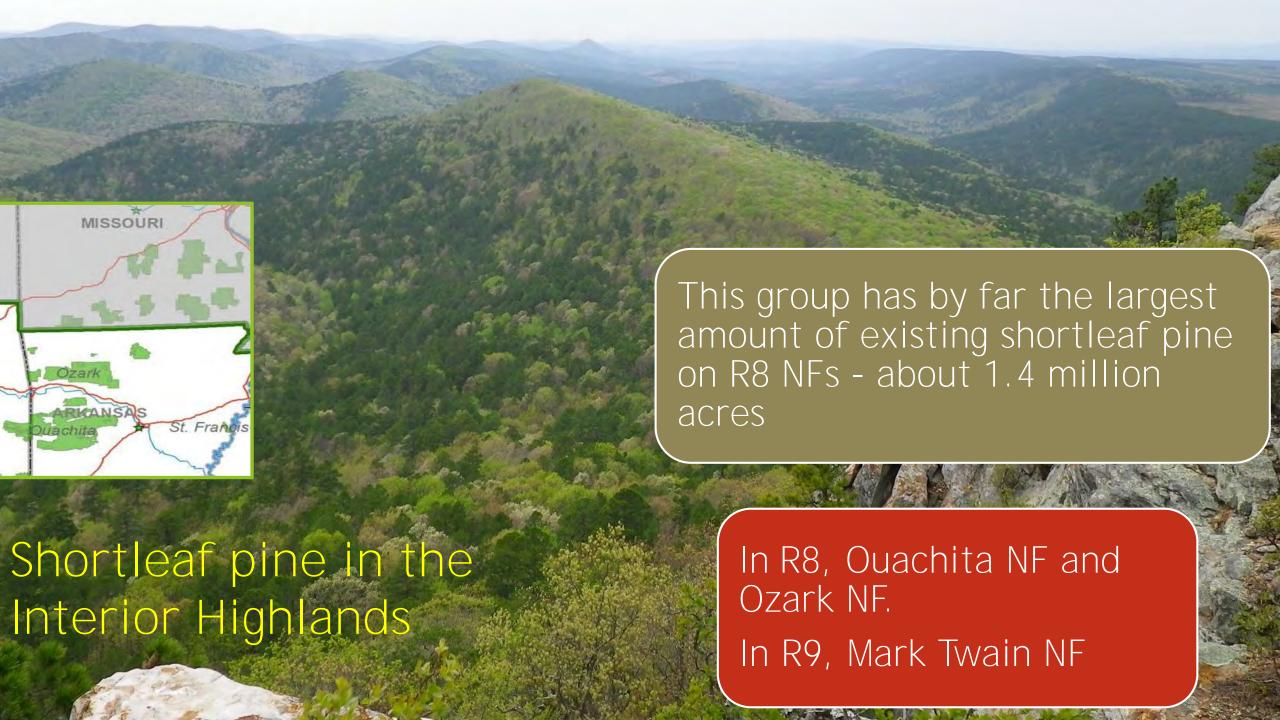
Coastal Plains/Piedmont - Accomplishments

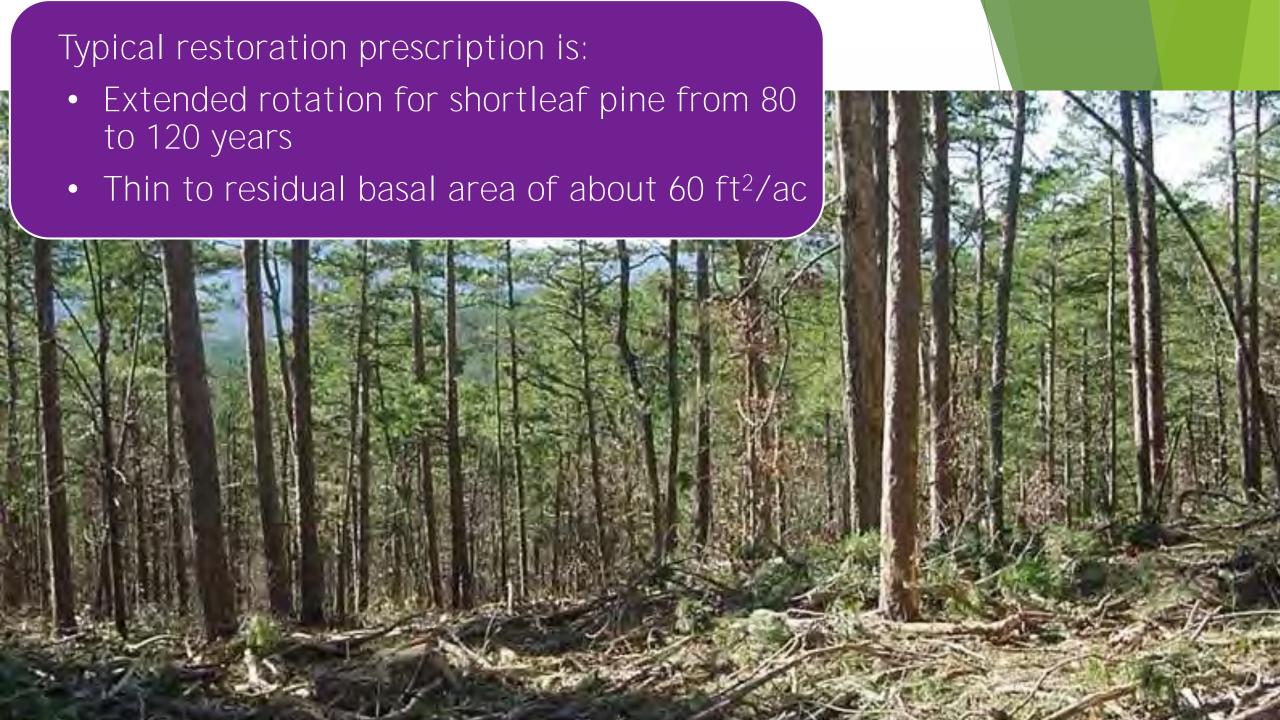
Holly Springs RD, National Forests in Mississippi

District Size - 155,000 acres

- ▶ Planted 627 acres during 2015-2019
- Restoring shortleaf by harvesting offsite loblolly pine
- ► Prescribe burning 18,000 acres to support shortleaf pine restoration















Interior Highlands - Accomplishments

- ► CFLR 2012 to 2021
 - ► Ozark NF 95,000 ac shortleaf to pine/oak mix
 - ▶ Ouachita NF 372,000 ac shortleaf/bluestem
- ▶ Joint Chiefs
 - ▶ 2014 Western AR Woodland Restoration Project 38,000 ac Private Lands
 - ▶ 2016 Oklahoma/Arkansas Woodland Restoration 45,000 ac Private Lands
 - ▶ 2019 Western AR/SE OK Woodland Restoration Bobwhite Quail Focus Est 31,000 ac Private lands
 - ► Funds distributed through NRCS to improve private lands within 10 mi of NF lands
- ► T & E Recovery
 - ► RCW 1990 13 Territories/32 Adult birds Present 75+ Territories/160+ Adult birds
 - ► American Burying Beetle future down listing from Endangered status to Threatened
 - ► Indiana Bat capturing bats where management activities have occurred

