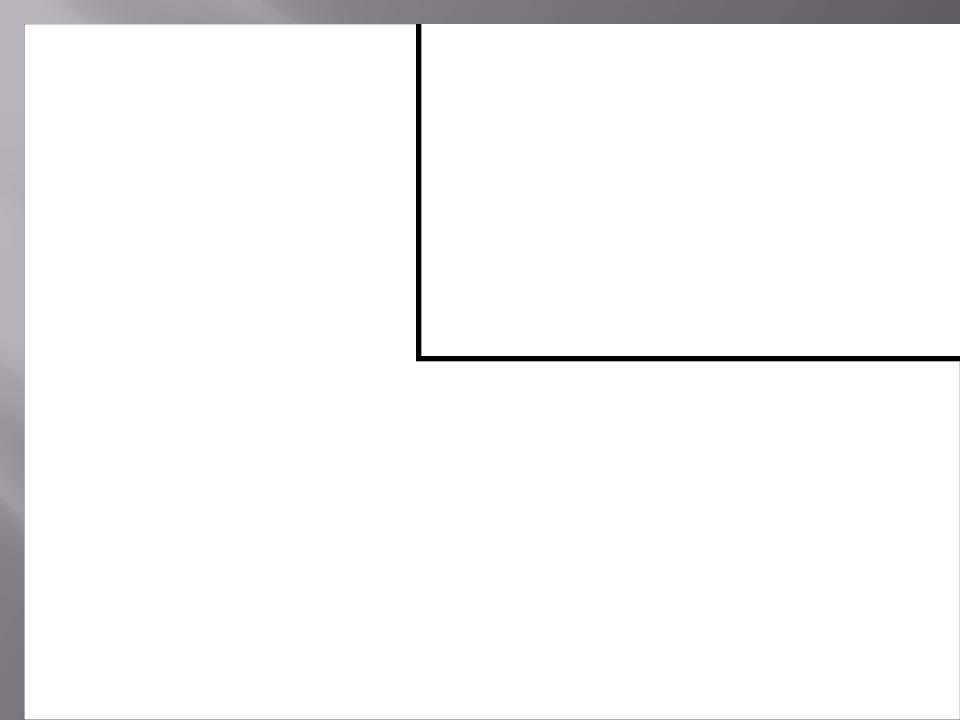
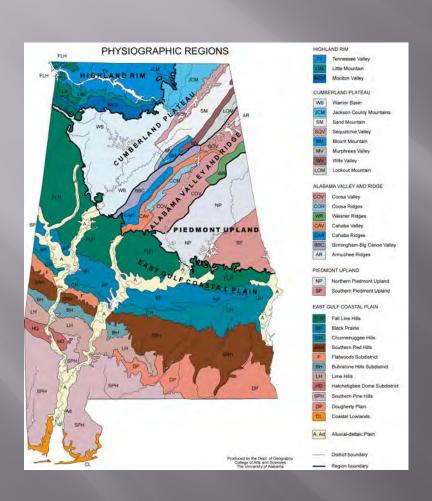
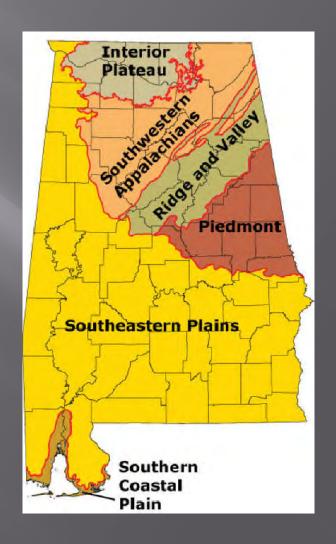
Brown Management Plan presented by:





Physiographic Province





Brown Family's Objectives:

- 1. Reinvest Revenues from Active Management Strategy Over a 20 Year Horizon
- 2. Improve Wild Turkey Habitat and Overall Recreational Value
- Explore Alternative Management Strategies to Produce a Better ROR on the Lands that are currently in Loblolly Plantations.
- 4. Return Longleaf Pine to the Tract Using Natural and Artificial Regeneration Methods
- 5. Develop a Sustainable Management Strategy for Improving and Regenerating the 400 Acres of Mature Mixed Pine-Hardwood.

Eastern Wild Turkey

One section can keep a flock year round.

"Work with what you have"

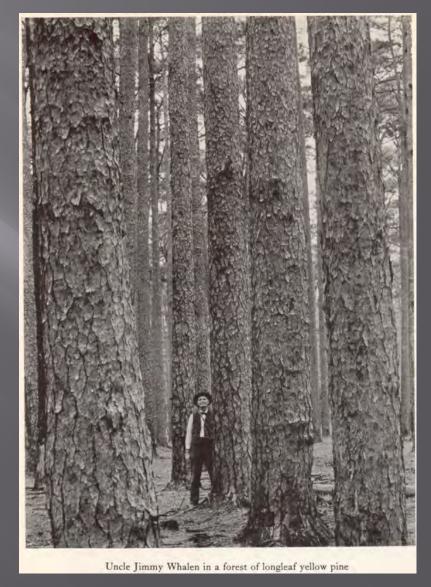
Nesting and brooding portion of life cycle is

most crucial.



Longleaf Pine

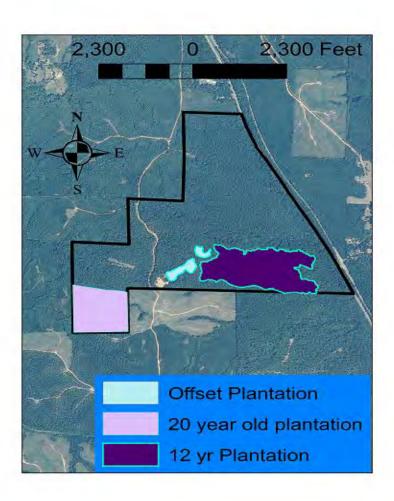
- Reed surveys Bibb in 1905
- Cone production stimulated by open conditions
- 'grass-stage' seedlings poor competitors
- Seeding Distance
- Proper seedbed needed
- Pine Straw Markets



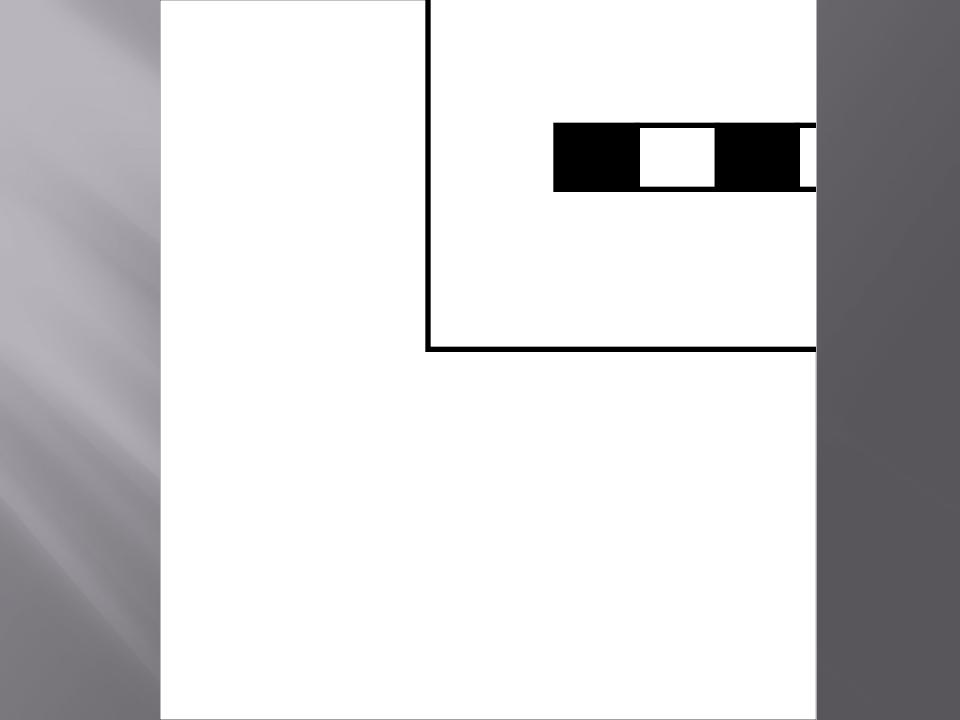
Oak & Hickory

- Important for many wildlife species
- Also species historically perpetuated by fire
- Forest service data shows these forests to be at risk from encroachment from following species
 - * Red maple
 - Sweetgum
 - Yellow poplar
 - * American beech

Current Stand Composition:

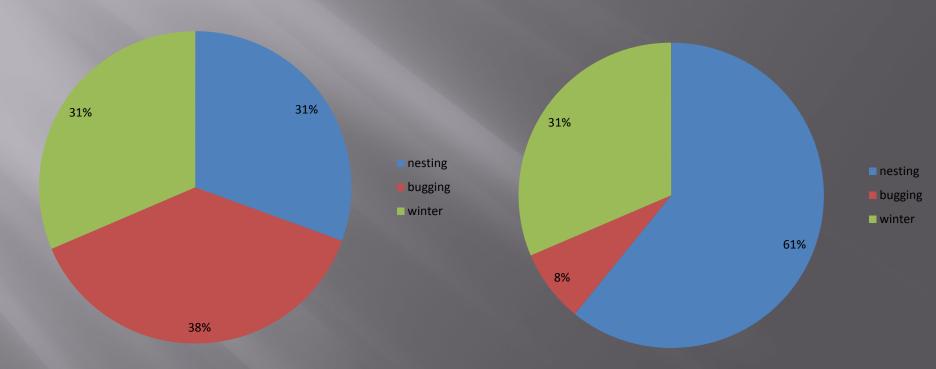


- 500 +/- acres
- 12 yr pine plantation 65+/acres
- 20 yr pine plantation 46+/acres
- Mixed pine hardwoods 388+/- acres



Adjacent Habitats (3.3 miles of edge)

Adjacent Habitat in 10 years (3.3 miles of edge)



Compartment Breakdown:

Topography
Soil type and
moisture
Operability

Species composition

- Thinning treatment for longleaf
- Improvement harvest for stand balance
- Prescribed Fire
- Chemical Treatment
- 'day-light' harvesting road
- ½ ac logging deck

Thinning treatment (20.5ac)

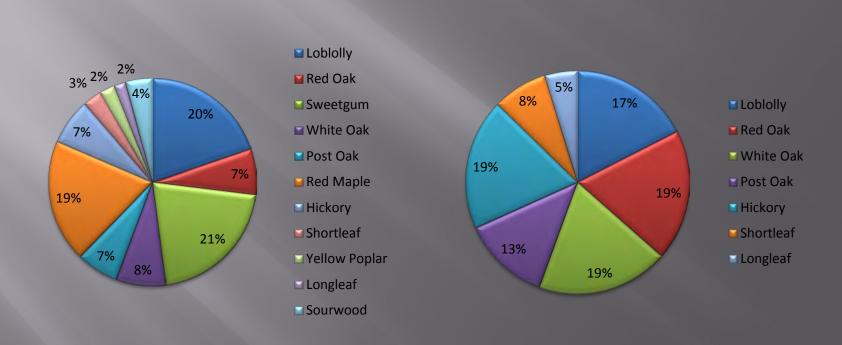
Product	Tons	Va	lue
Saw	140	\$	2,094
CNS	82	\$	989
Ply	258	\$	6,461
Poles	70	\$	3,853
RWH	326	\$	13,035
Pop/Gum	31	\$	940
Mixed	91	\$	2,737
HW Pulp	427	\$	4,269
Pine Pulp	24	\$	166
	Total	\$	34,500

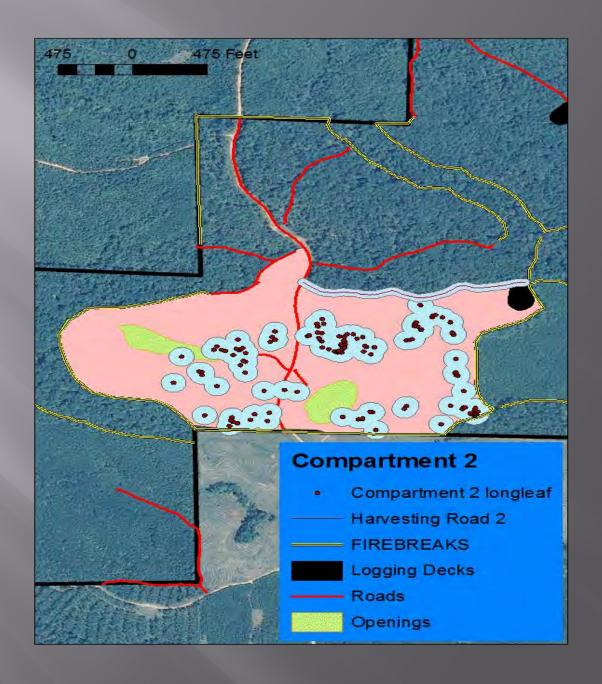
Designed Harvest

Compartment 2	ВА	ТРА	Pine Saw	Pine Ply	Pine Pulp	HW Saw	HW Pulp	Value
Tract Total	94	174						
Sweetgum	11	35						
Poplar	3	4				59		
Sourwod	2	7						
Red Maple	7	32				2	321	\$ 5,040
Post Oak (15-21 DBH)	5	3				107	12	\$ 3,330
Loblolly (5-12 DBH)	7	21	77		45			\$ 1,377
20 DBH+	7	2		95		210		\$10,535
Residual	52	70						\$20,200

Species Composition Comparison

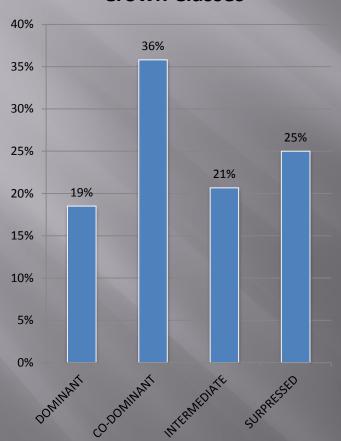


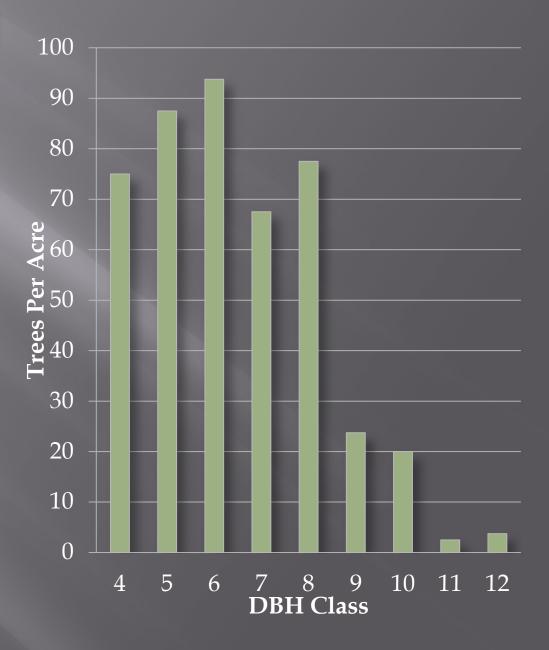




- 43.5 +/- acres of 20 year old loblolly pine plantation
- BA = 94 sq. ft.
- TPA = 474
- 3000 tons of pulpwood
- Valued at \$21,000.00

Crown Classes





Concerns

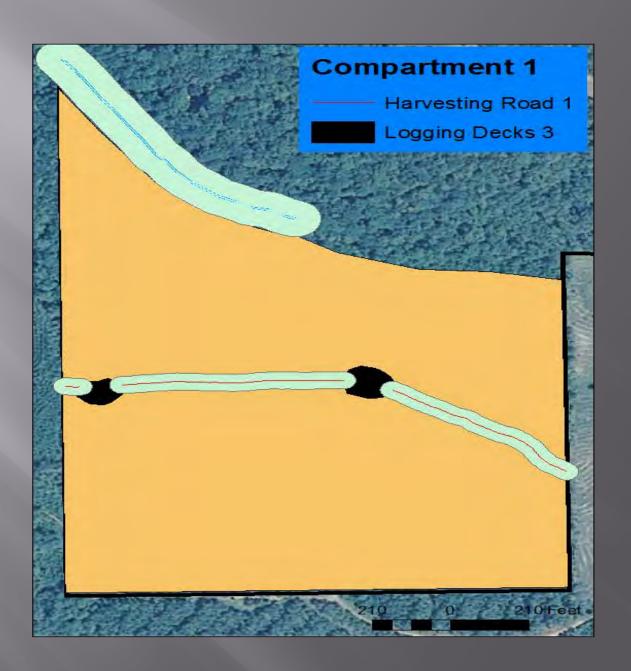
- Thinning window has been missed and stressed stems in stand are be poorly equipped to respond
- High risk of bug and disease infestation
- Lurvene soils are deep and well drained thus better suited to longleaf pine

Plant longleaf pine

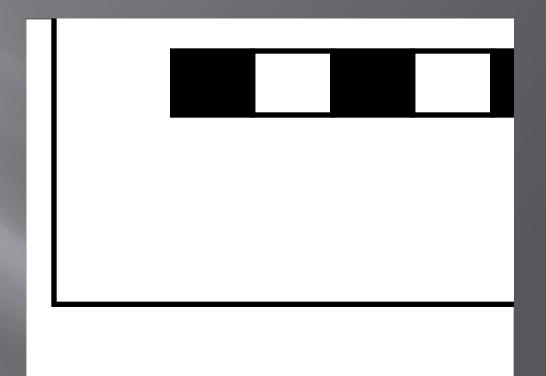
- 'burn down' chemical treatment
- Site prep burn
- Containerized seedlings
- 8X6 spacing
- 6 rows then 10 foot corridor
- 770 TPA
- Goal = 100 BA



Activity	Year	Value	IRR =	17.20%	Busin	<mark>1ess</mark>	NPV
Chem Site Prep	0	\$ 68			\$	51	
Seedlings	0	\$ 105			\$	79	
Hand Plant	0	\$ 71			\$	53	
Fertilizer	14	\$ 63			\$	5	
Taxes	20	\$ 5			\$	21	
Harvest	6	\$ 50			\$	14	
Harvest	7	\$ 75			\$	19	
Harvest	8	\$ 90			\$	19	
Harvest	9	\$ 105			\$	19	
Harvest	10	\$ 125			\$	19	
Harvest	11	\$ 140			\$	18	
Harvest	12	\$ 150			\$	17	
Harvest	13	\$ 170			\$	16	
Harvest	14	\$ 185			\$	15	
Harvest	15	\$215			\$	15	
Harvest	16	\$ 200			\$	12	
Harvest	17	\$ 185			\$	9	
Harvest	18	\$ 170			\$	7	
Harvest	19	\$ 150			\$	6	
Harvest	20	\$ 140			\$	4	\$ 0.48



- 131 +/- acres
- \blacksquare BA = 88 sq. ft.
- TPA = 130

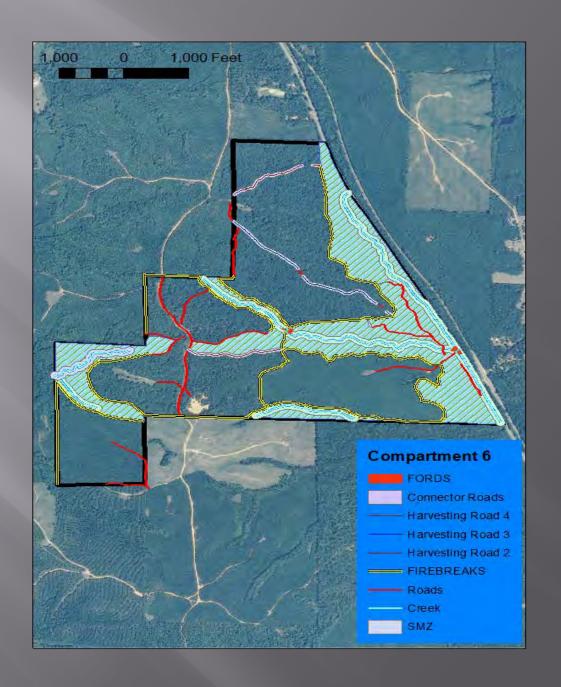


- Continued Fire Exclusion to promote soft masting species
- Removal of all pine species
- Low volume stream fords

Connecting log roads to firebreaks to improve

recreational attributes





Prescribed Fire

- First fires should be heading fires applied during the winter time
- Fire interval no longer than 3 years
- Negative correlation between fire intensity and fire frequency
- Should produce a dominant covering of grasses legumes and forbs (brood habitat)

Chemical Control

- Compartments 2, 4, and 5
- Brown family will administer application using existing equipment
- Ensures eradicated species do not benefit from disturbance



Wildlife Plantings

- 'day-lighted roads and residual decks planted yearly
- Mix of Cool and Warm Season plantings
- Chufa to supplement wild turkey nutrition in lacking masting years

Implement strip disking to stimulate the growth of

native herbaceous plants



Investments

Investment	En	d Holdings
T Bill	\$	699,411
S & P	\$	901,967
T Bond	\$	1,175,253

Questions?