

THE STATE OF FORESTRY

IN SOUTH CAROLINA

Gene Kodama

SC State Forester

Agency Director, SC Forestry Commission

COMMISSION PROGRAMS AND SERVICES

SC Code Title 48: Chapters 23 through 37

- Forest management: public, private, and State Forests
- Forest protection: wildfire, insects, & diseases
- Forest resource development: inventory, job creation, water quality, seedlings
- Information and education: landowners, public, teachers, & students

ENCOURAGE, ASSIST, AND INCENT PRIVATE LANDOWNERS TO ACTIVELY MANAGE THEIR LANDS



PROTECT THE FOREST RESOURCE AND THE PUBLIC

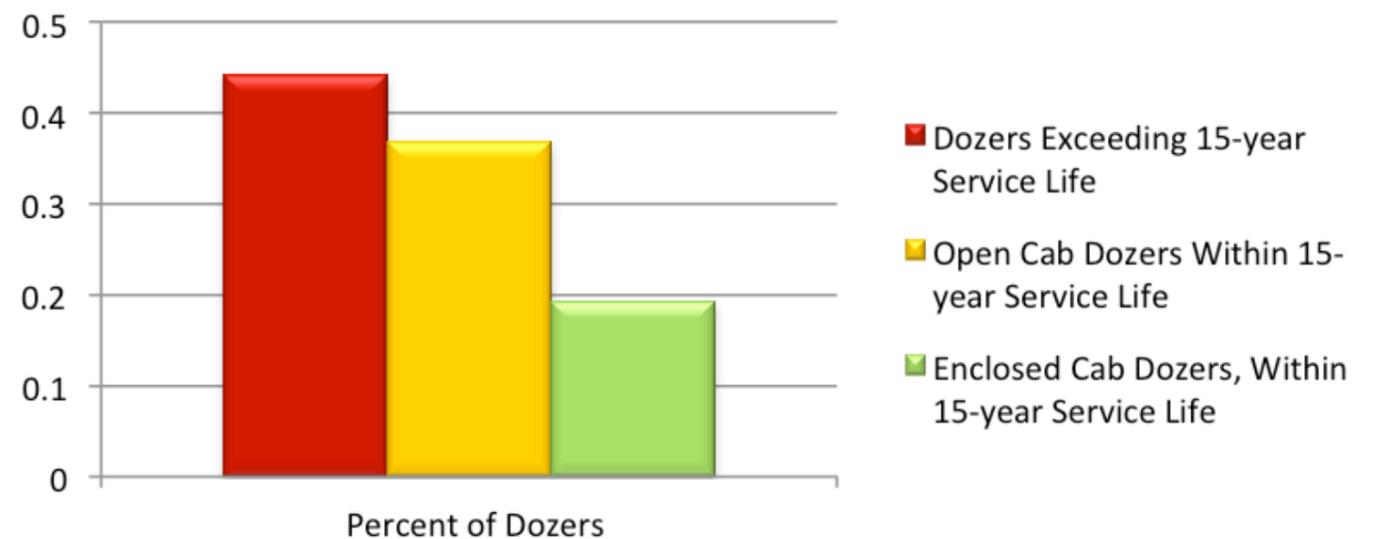


RECENT BUDGETS HELPING FIREFIGHTING CAPACITY

- Began acquiring enclosed-cab dozers for firefighter safety.
- Replaced 36 units and about 14 more coming this year.
- Reached 94% of the goal of 160 manned dozers.
- Replaced Vietnam-era firetracks with new units.
- Upgraded radio system in dispatch.
- Adding new remote, automated weather stations.

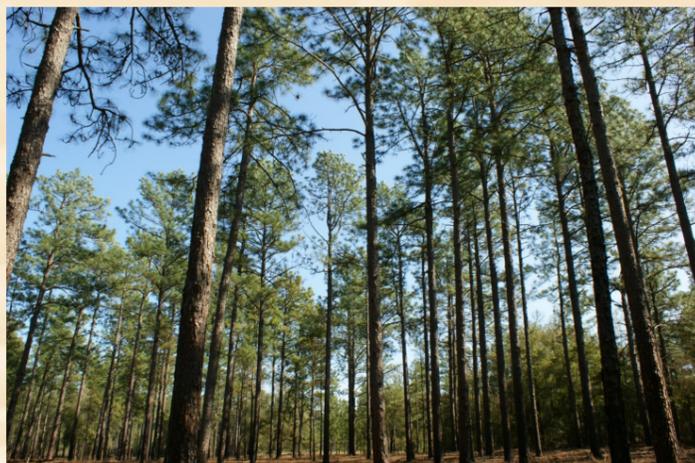
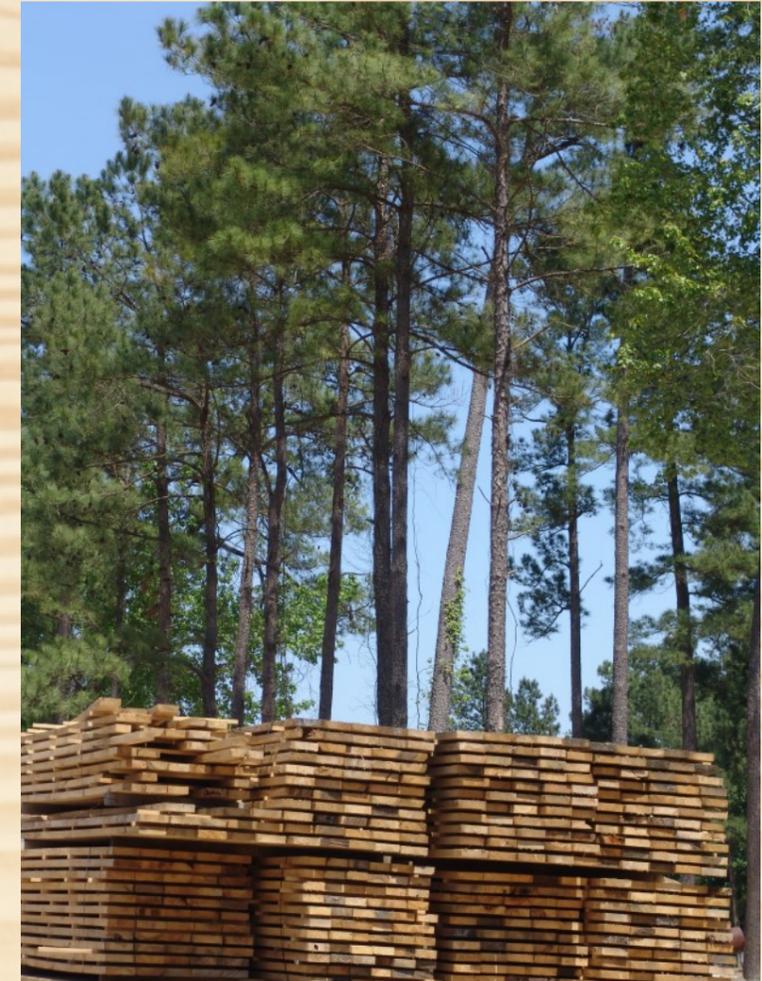


Figure 4. Firefighting Dozers By Service Life Category During FY2015



Develop the Forest Resource

- Inventory the forest resource
- Support industry recruitment
- Increase value-added jobs
- Improve cash flow to landowners
- Increase economic impact
- Environmental care

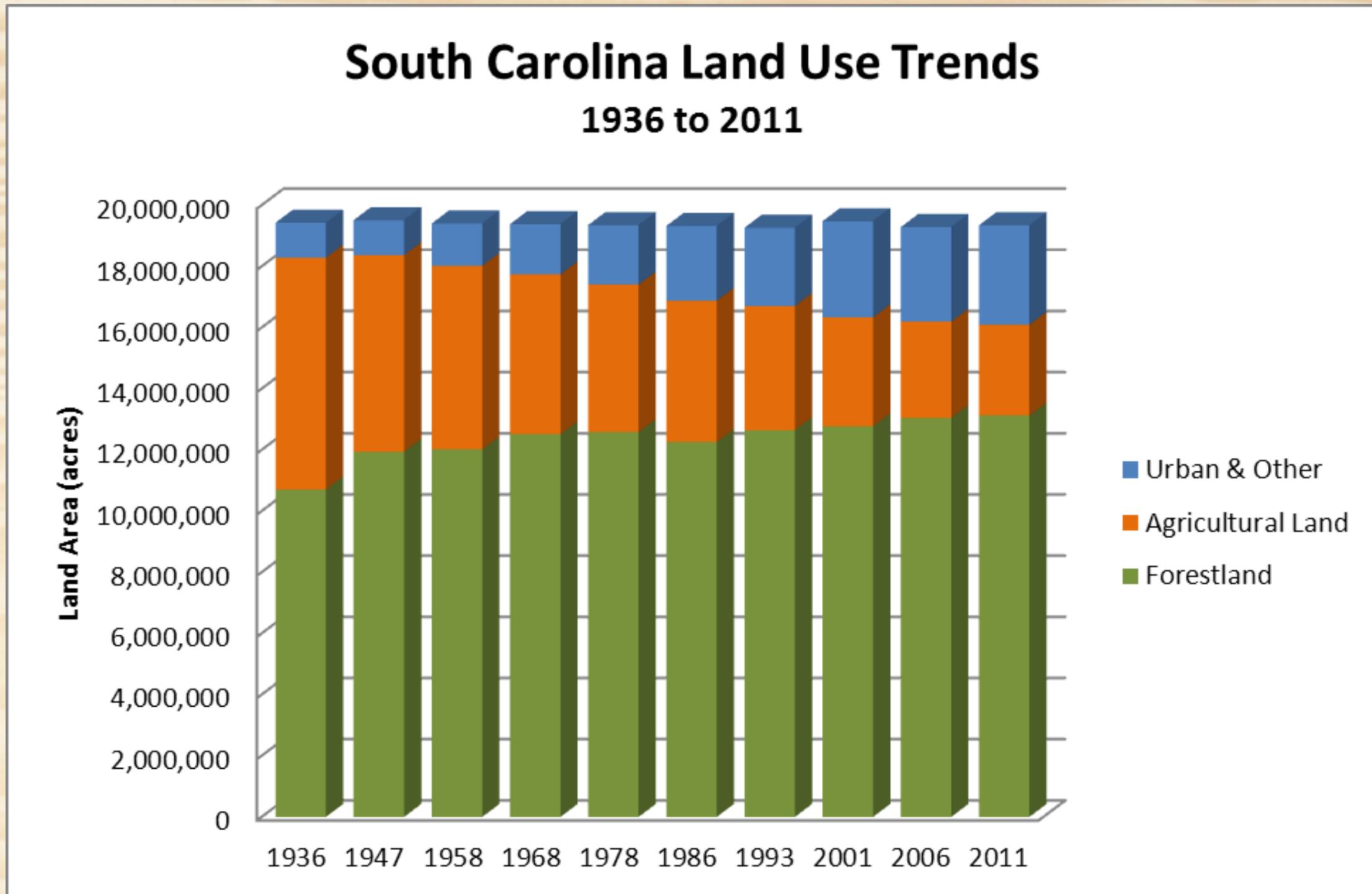


SC FOREST FACTS

- 13.1 million acres of forestland
- 67% of SC's land area is forested
- 52% hardwood / 48% pine types
- 24% planted pine, producing >50% of timber supply
- 88% private / 12% public
- 300,000 family forest owners (86,000 own >10 acres)
- Growth exceeds harvest
- Timber volumes at record levels
- Unbalanced pine age-class structure

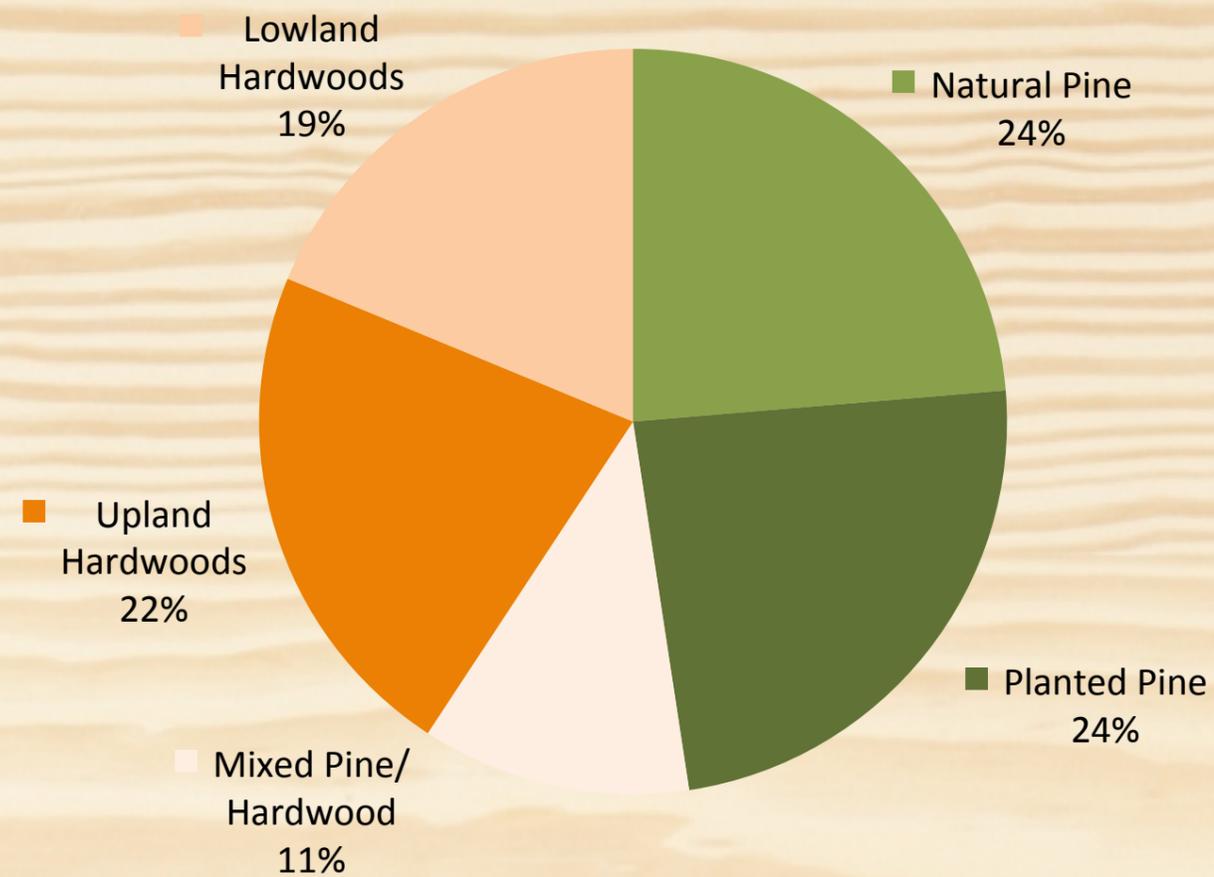


13.1 Million Timberland Acres



SC's FORESTS ARE BALANCED AND DIVERSE

South Carolina Forest Types, 2013



FOREST INVENTORY AND ANALYSIS

Forest Inventory & Analysis

- Goal: Describe the extent and condition of the state's forests.
- Have completed 10 surveys between 1936 and 2011.
- Most up-to-date in US
- Data collection – SC Forestry Commission
- Data analysis – USDA Forest Service



Forest Values

Timber

Jobs

Water Treatment

Quality of life

Scenic Beauty

Wildlife

Oxygen

Carbon Storage

SC FOREST PRODUCTS WEEK

- SCFC worked with Gov. Haley to proclaim Oct. 19-23 SC Forest Products Week
- Pays tribute to the thousands of products that come from our forests, the professionals who manage the forests, and the businesses and people that create the products.
- Coincides with National Forest Products Week every third week in October.

State of South Carolina Governor's Proclamation

WHEREAS, our country and its people find constant strength, individual peace, and personal pride in the bounty of our forests and timberlands; and

WHEREAS, from the beginning of our nation's founding, the forest and its products have provided a core of living and freedom that touches and inspires citizens with its majestic beauty and practical use; and

WHEREAS, generating an annual impact of \$18.6 billion to South Carolina's economy, forestry constitutes the Palmetto State's largest manufacturing sector in terms of jobs and labor income; and

WHEREAS, forest products are South Carolina's largest harvested crop, totaling \$759 million annually, and represent the number one export commodity from the Port of Charleston; and

WHEREAS, as a renewable resource, wood offers the availability and abundance to satisfy the state's ever-growing demands and, through active forest management, we can be assured of a continuous supply of timber for the future.

NOW, THEREFORE, I, Nikki R. Haley, Governor of the great State of South Carolina, do hereby proclaim October 19-23, 2015, as

SOUTH CAROLINA FOREST PRODUCTS WEEK

throughout the state and encourage all South Carolinians to recognize the importance and heritage of our vast forest resources, which are inseparably tied to our past, present, and future.



Handwritten signature of Nikki R. Haley in black ink.

NIKKI R. HALEY
GOVERNOR
STATE OF SOUTH CAROLINA



SC FORESTRY'S ECONOMIC IMPACT

The governor's SC Forest Products Week proclamation was a welcome re-emphasis of forestry's contribution to SC's economy.

\$18.6 BILLION

#**1**

**MANUFACTURING
SECTOR**
in jobs and labor income



**\$1.5
BILLION**

in forest products exports



#**1**

**HARVESTED
CROP**
totaling \$759 million



**90,320
JOBS**

in the forestry industry



#**1**

**EXPORT
COMMODITY**
from the Port of Charleston



SC FORESTRY ECONOMIC RELATIONSHIPS



- \$18.6 billion and 90,320 jobs from about 25.6 million tons of wood
- One ton = \$725 economic impact
- 284 tons = one job
- 11.4 log trucks = one job

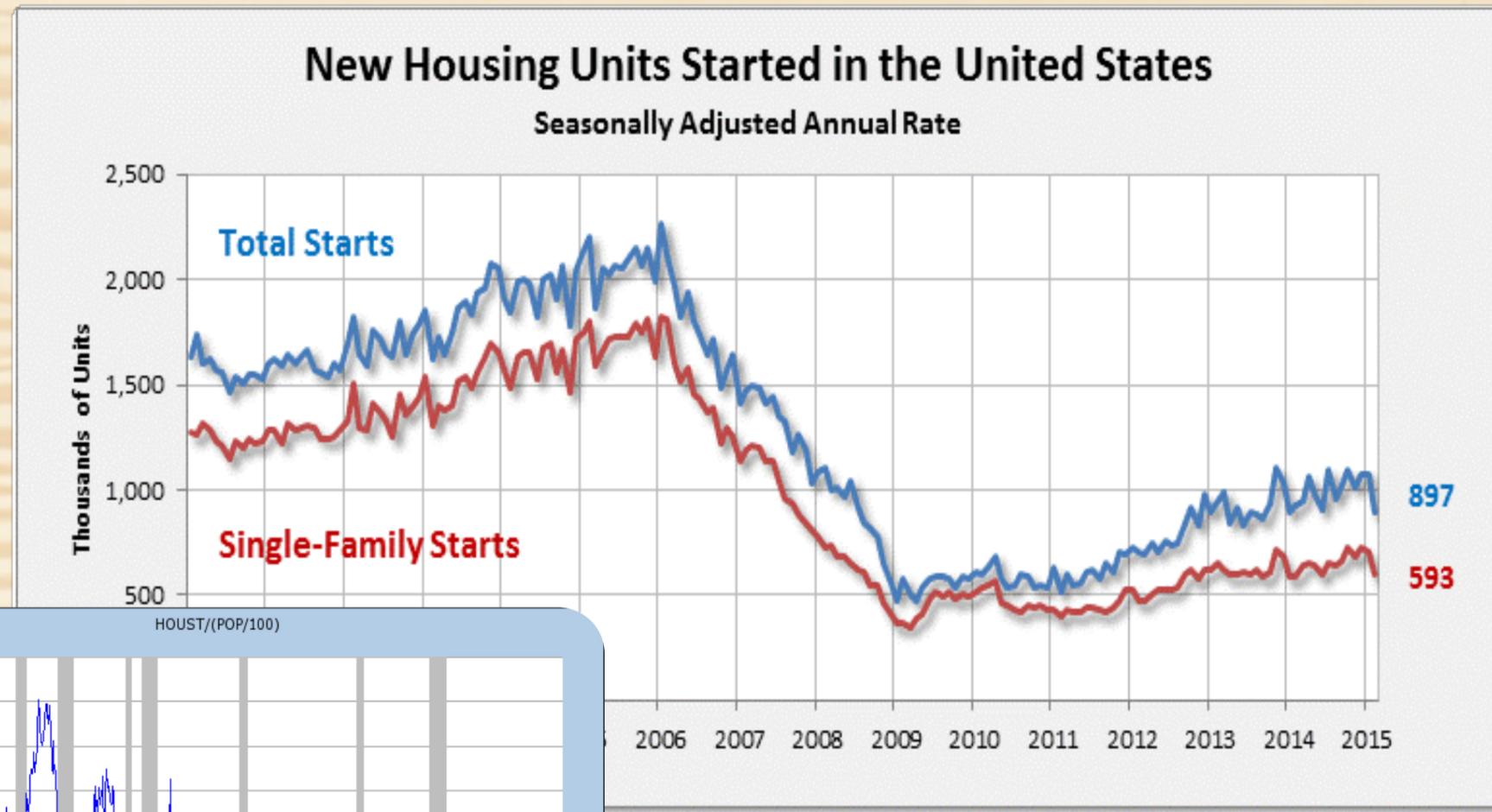


THE 20/15 PROJECT VISION

Grow the forest industry from \$17.4 billion to \$20 billion in total economic impact by the year 2015



HOUSING STARTS DRIVE THE INDUSTRY



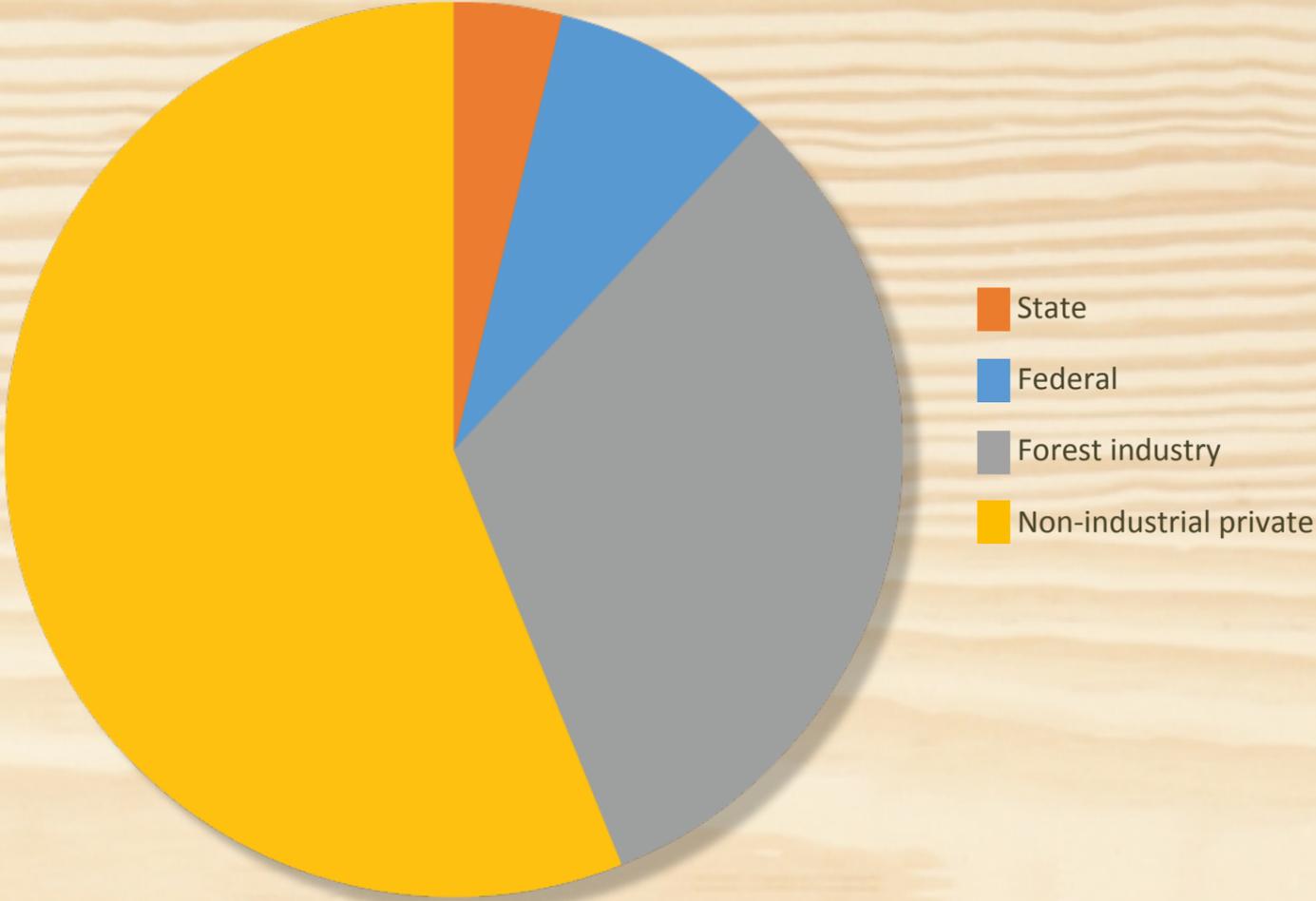
EXPANDING FOREST INDUSTRY

- Expand sawmilling
- Retain P&P, OSB, & other high value-added manufacturing
- Increase exports
- Increase secondary manufacturing
- Increase active forest management
- Plant more trees
- Public and private effort!



PRIVATE LANDOWNERS CONTROL WOOD SUPPLY

LAND OWNERSHIP, 2014

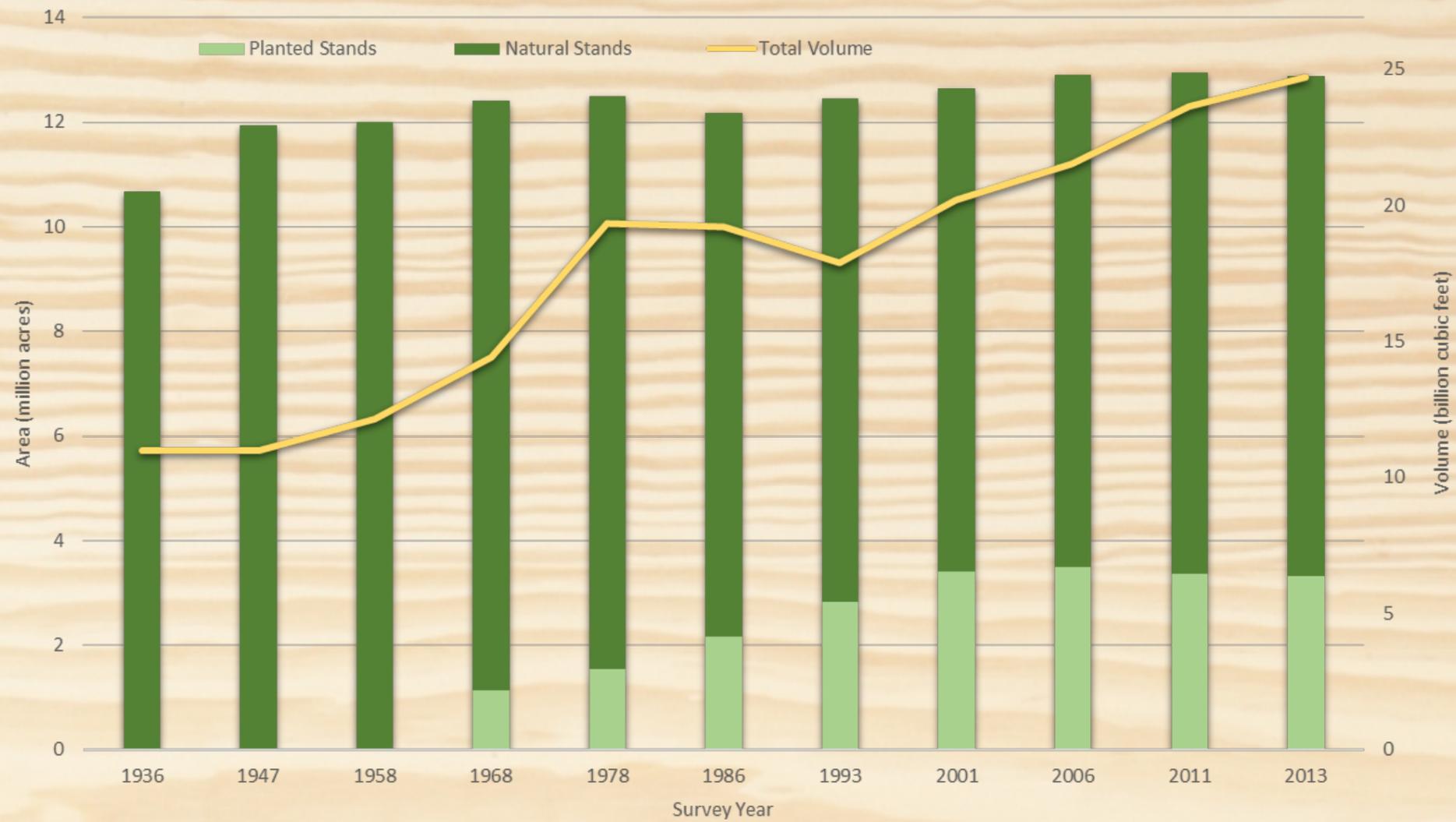


Private citizens own 88% of South Carolina's forestland and produce 96% of the state's timber supply.



SC TIMBERLAND ACREAGE STABLE

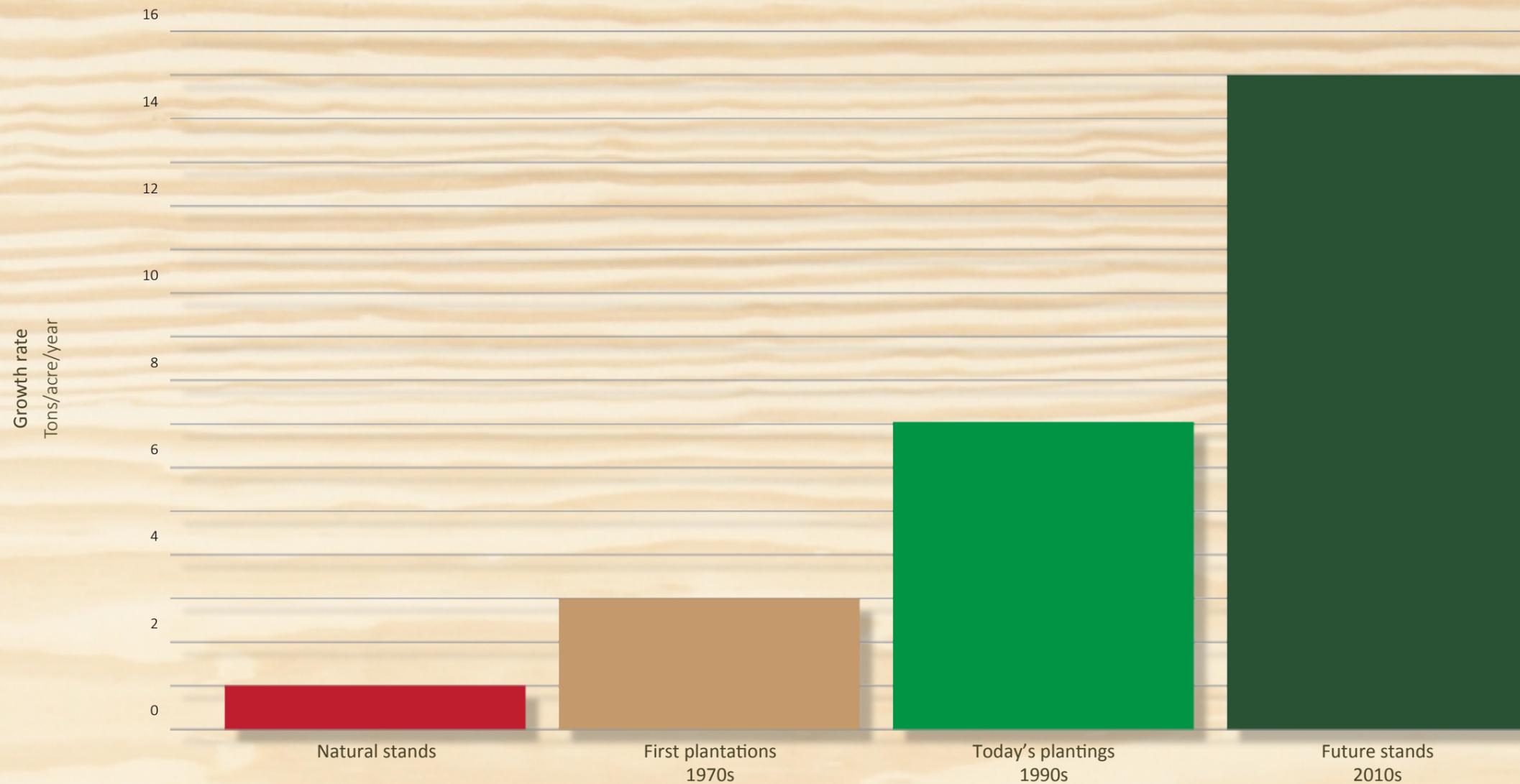
Wood volume increasing at record levels



PLANT GENETICALLY IMPROVED TREES

...and actively manage them!

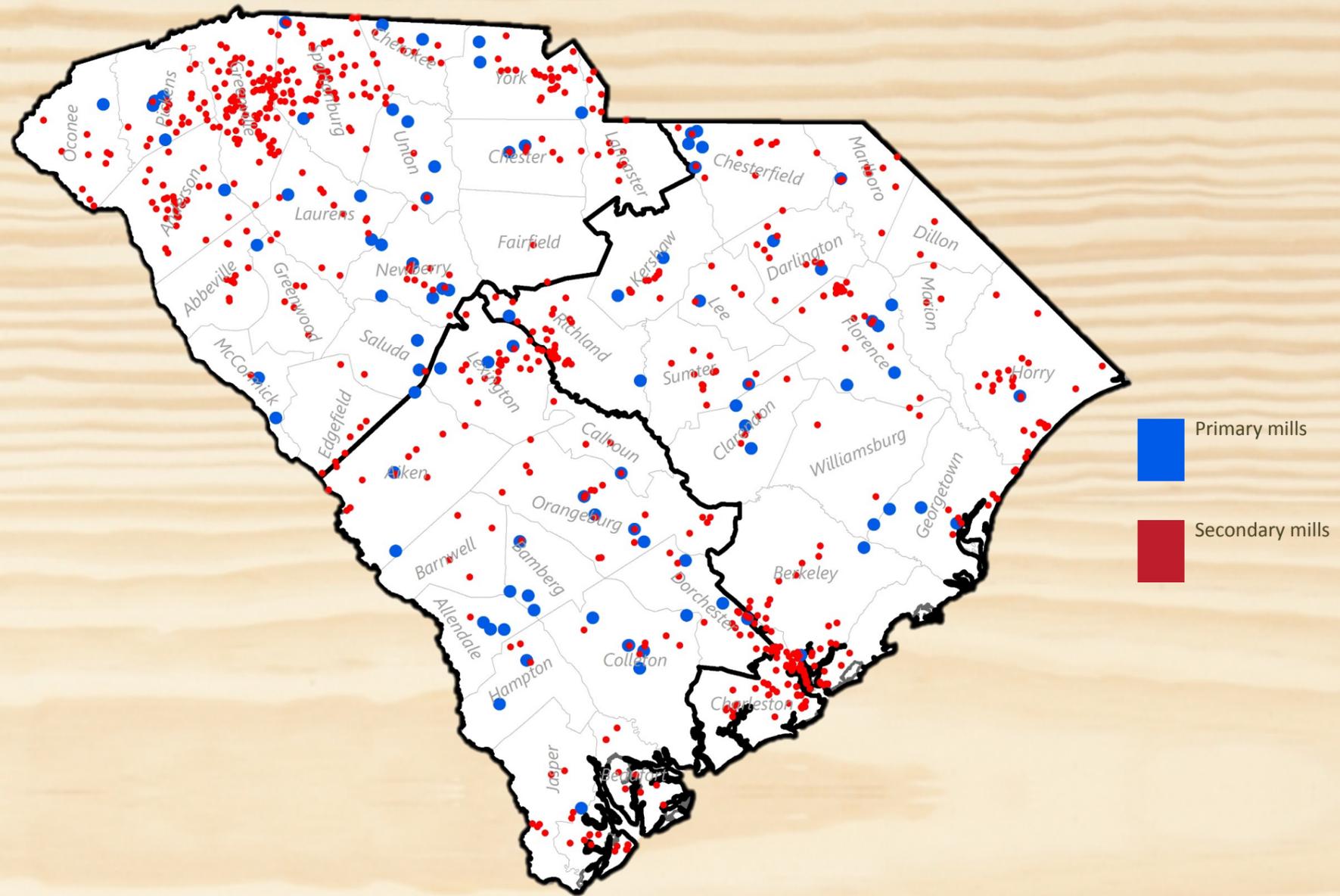
GROWTH RATE COMPARISON



WOOD PRODUCT MANUFACTURING CONTROLS DEMAND

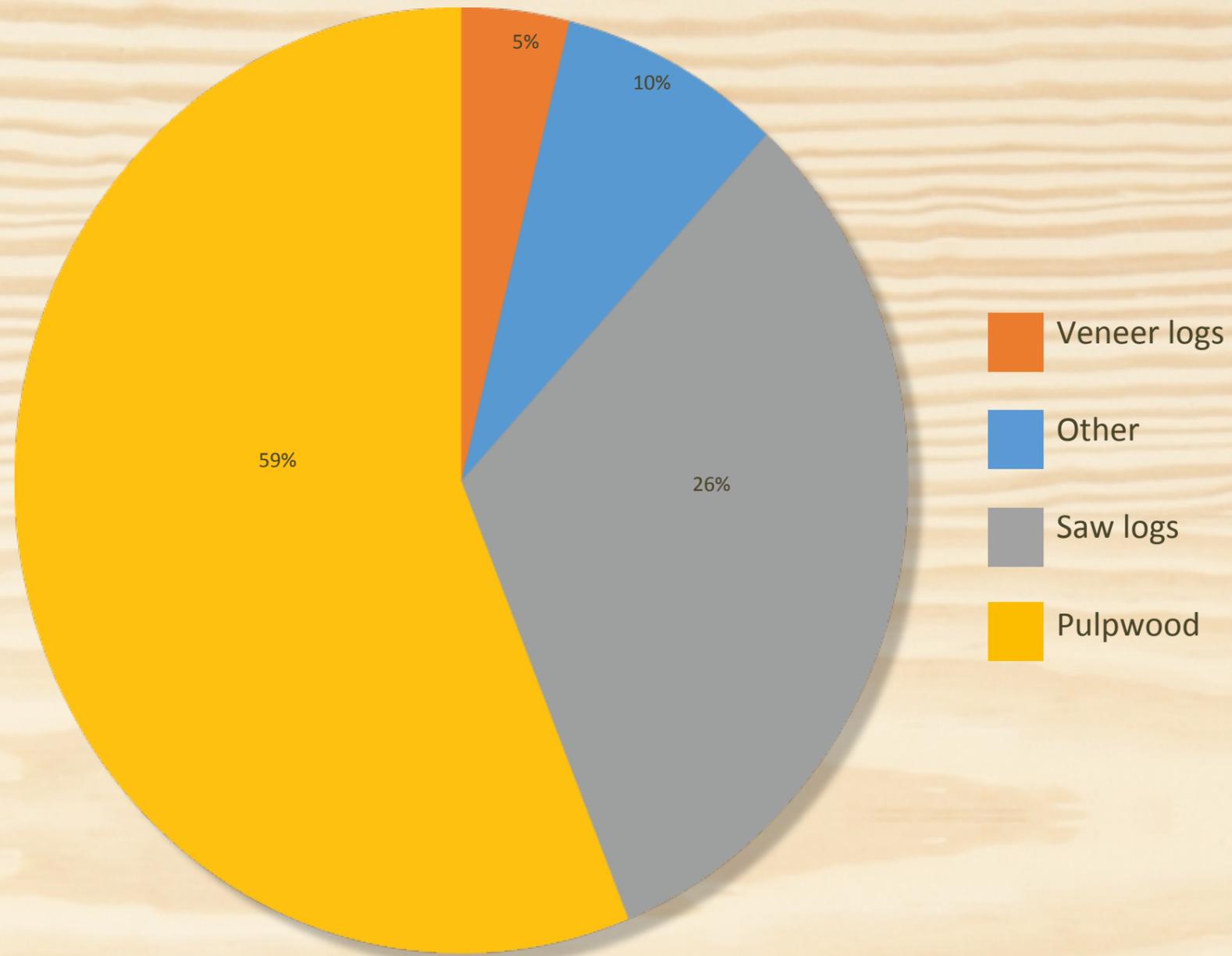
PRIMARY AND SECONDARY WOOD-USING MILLS, 2015

Primary mills	#
Sawmills	40
Veneer	5
Pulp and paper mills	7
Composite panel board	3
Other	39
TOTAL	94
Secondary mills	725



TIMBER UTILIZATION

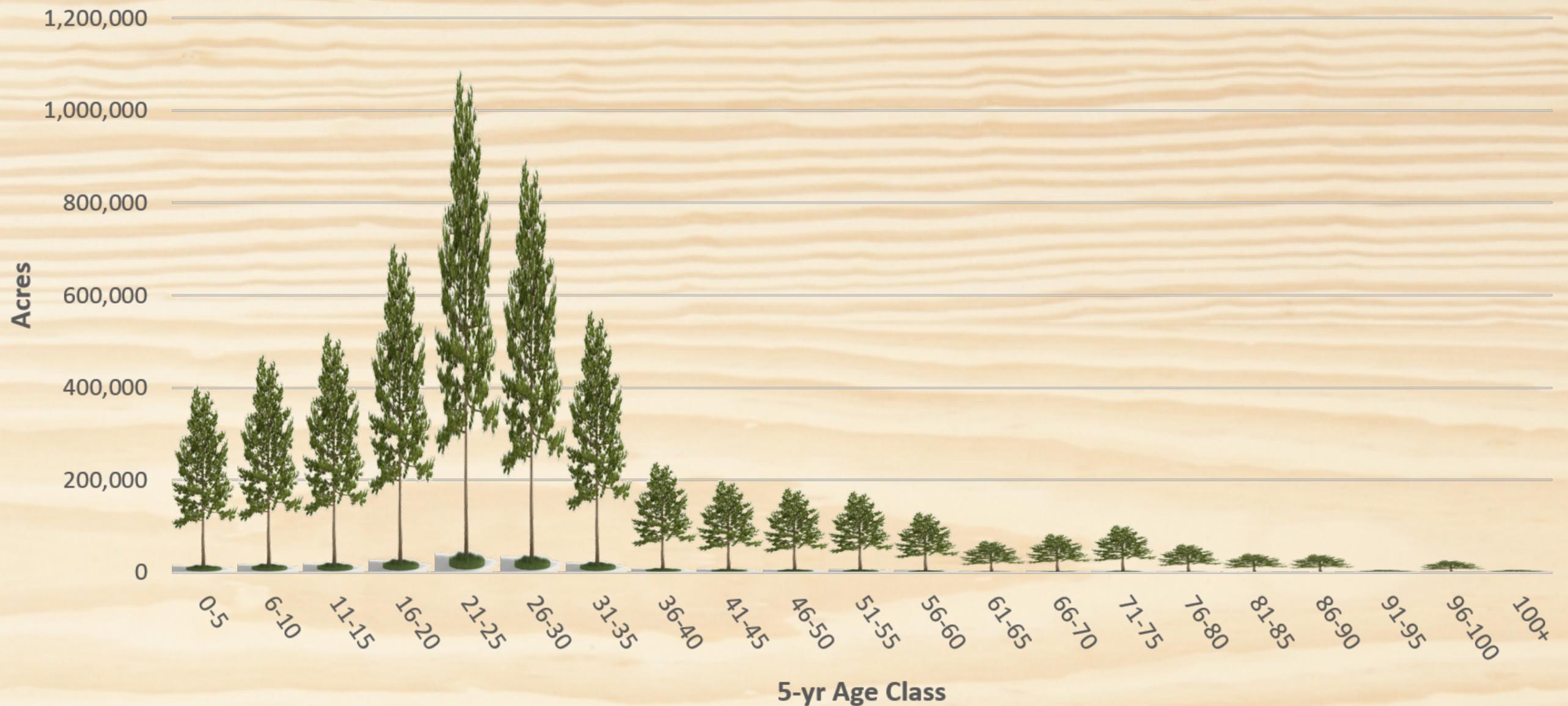
TIMBER USE, BY PRODUCT CATEGORY



SUPPLY OF SMALL-DIAMETER PINES TO PEAK SOON

*Hurricane Hugo, Recession, & CRP created a “wall of wood”
and uneven age structure*

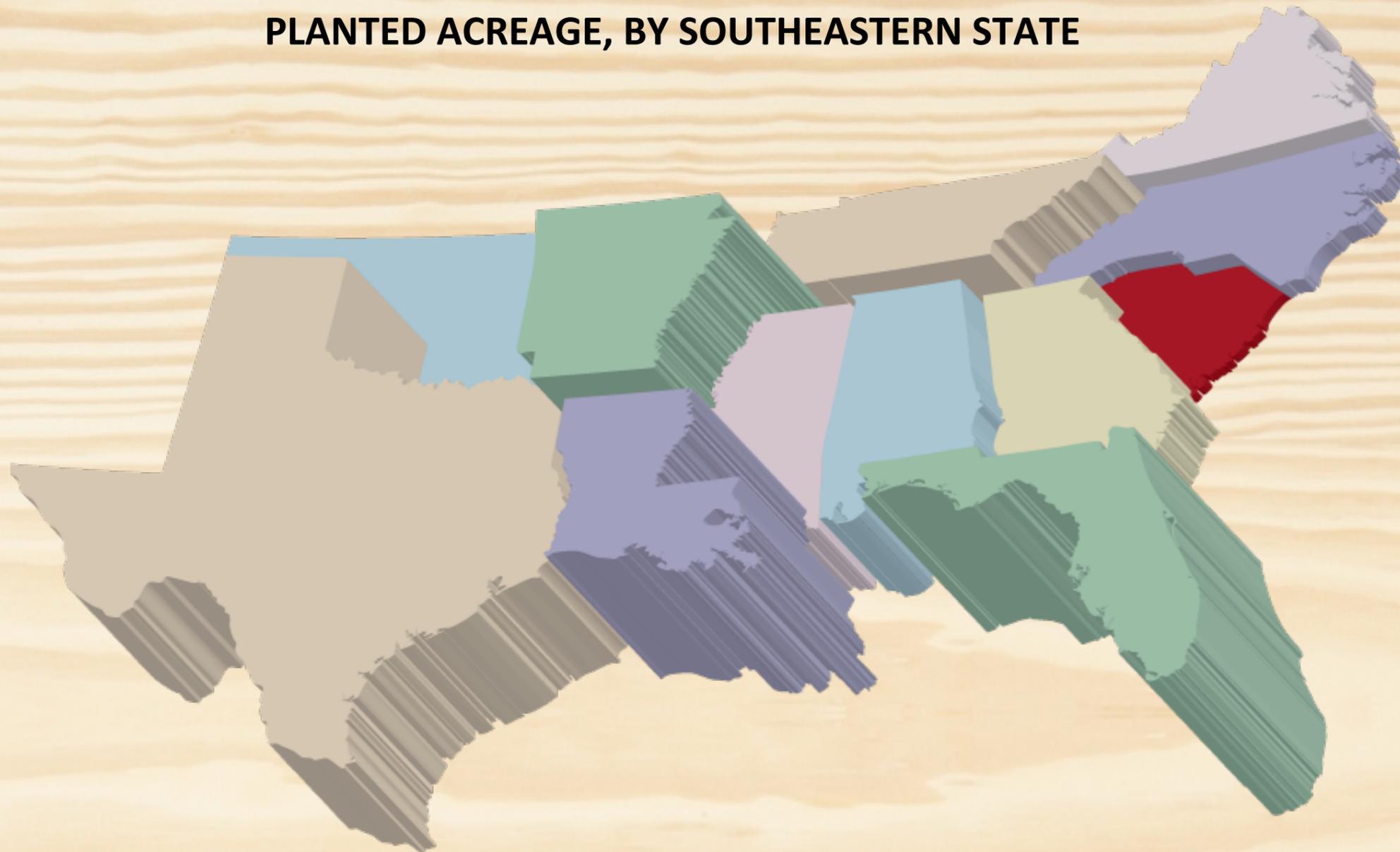
TIMBERLAND ACREAGE OF SOUTHERN YELLOW PINE, SC - 2014



SC HAS LOWEST % PLANTED PINE ACREAGE

in 0-15 age class in the Southeast

PLANTED ACREAGE, BY SOUTHEASTERN STATE



Alabama	54.1%
Florida	54.0%
Louisiana	52.9%
Texas	52.5%
Tennessee	50.3%
Alabama	49.9%
Mississippi	46.2%
Oklahoma	44.4%
Georgia	40.7%
Virginia	38.7%
N. Carolina	37.2%
S. Carolina	30.2%



FLOODING IMPACT



FLOODING IMPACT

- At least \$65 million loss in the forest industry's economic impact.
- Estimated from cost-share and FIA data, aerial surveillance, mill reports and consultations with landowners and loggers.
- Loss is small portion of industry's 18.6 billion annual impact, but huge effect on individual loggers, landowners and mills.



FLOODING ASSESSMENT AND RESPONSE

- SCFC personnel helped staff several emergency operations centers.
- Chainsaw crews cleared debris.
- IMT assisted with search-and-rescue operations in Richland County.
 - Searched 338 square miles
 - Checked 8,000 homes
 - Rescued 473 citizens and 11 pets
 - Assisted another 2,000 citizens

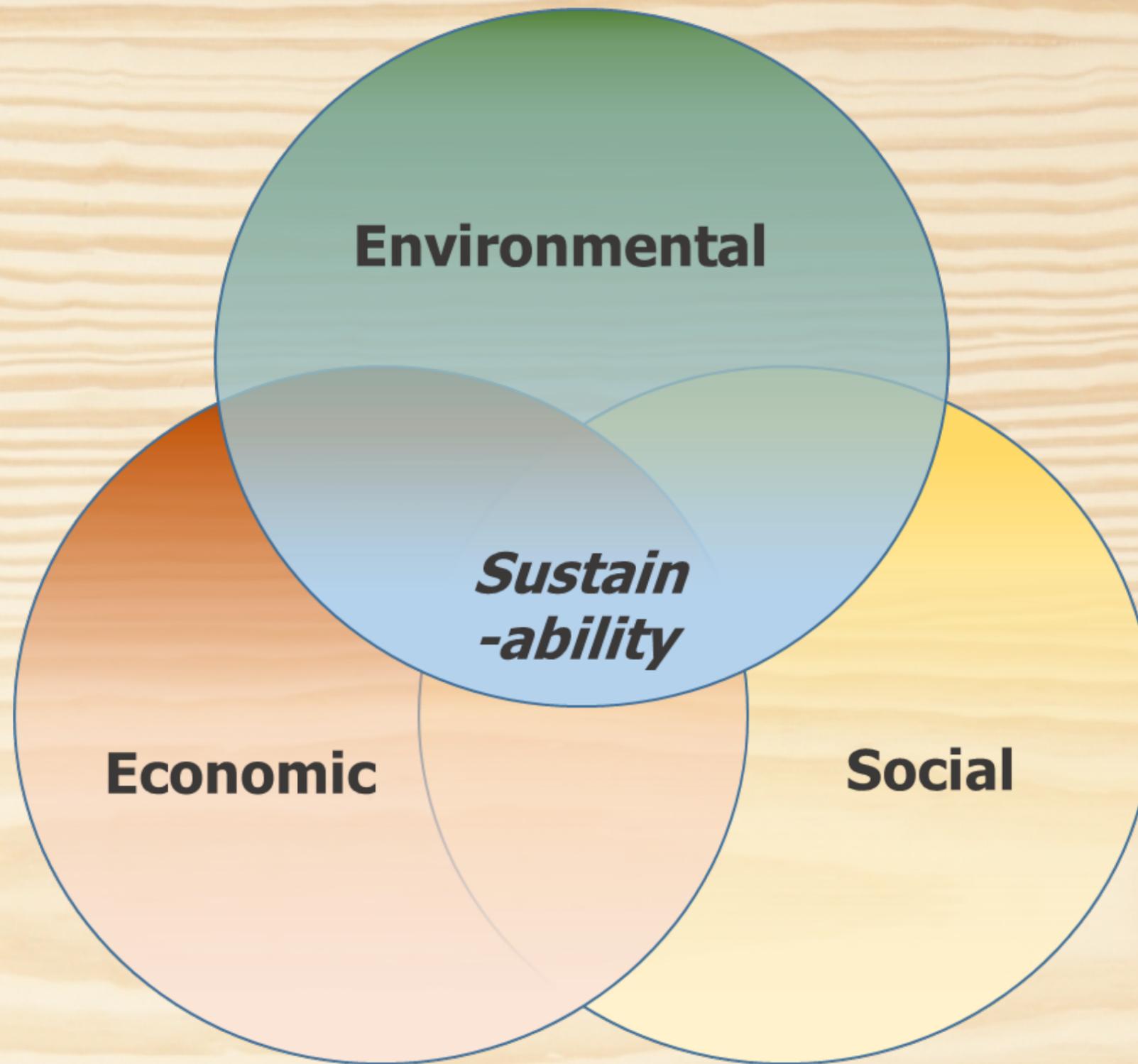


FUTURE LOOKS BRIGHT FOR FOREST PRODUCTS

- U.S. will continue to lead world in production and consumption
- U.S. South will continue to lead world in wood production
- Global market share will rebound as the housing sector recovers (easily to historic 24 percent)
- In long run, several factors are important
 - Domestic demand for paper and paperboard
 - World trade in wood pulp
 - Sustainability of supplies in the rest of the world
 - Exchange rates (strength of dollar)
 - Global economic stability
 - Forestry related taxes and regulations



FORESTRY IS AN “IDEAL” INDUSTRY



SOUTH CAROLINA FORESTRY
HAS A
BRIGHT FUTURE!

