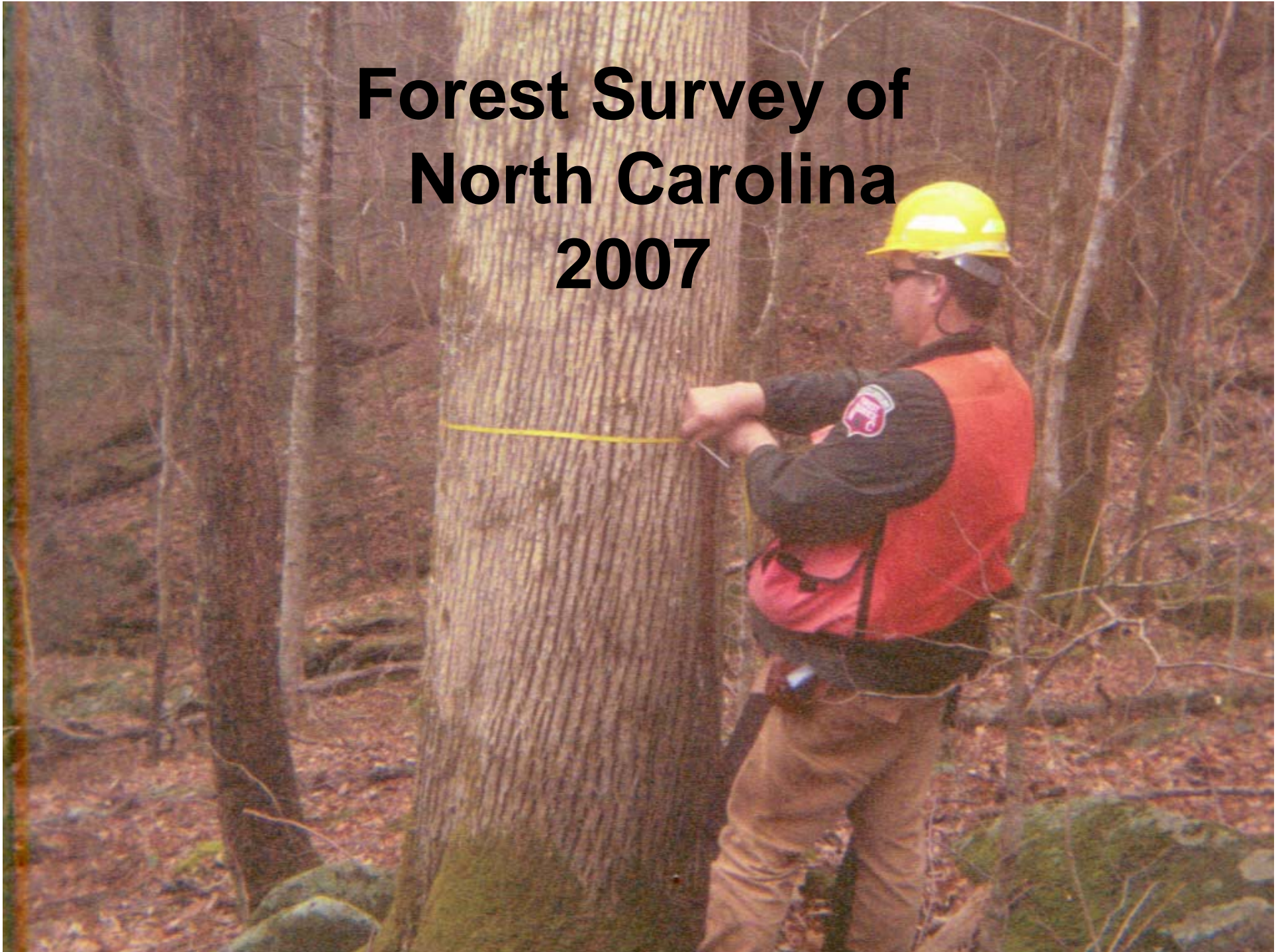


Forest Survey of North Carolina 2007



TOPICS

- Changes – 1990–2002 & 2002–2007
- Reprocessing - NIMS 4.0
- Findings and Key Trends
- Questions

Changes

- Chronology – periodic to annual
- Crews – federal to state
- Intensity – 1990 (9,612), 2002 (5,908), 2007 (5,792)
- Design – variable to fixed footprint
- Conditions – one only to straddle multiple types
- Processing – SRS to NIMS (regional to national)
- Definitions – forest types added & reconfigured
- Imagery – aerial photo to NLCD imagery
- Enumeration - dropped, plot driven ownership
- Methods – all forest land vs. timberland, all live vs. growing stock

Reprocessing

- NIMS 4.0 – modifications in national processing system impacting data release for several states
- Delays and revisions to current estimates
- Potentially revise prior survey estimates at each new survey processing
- North Carolina affected thus results presented here are considered preliminary

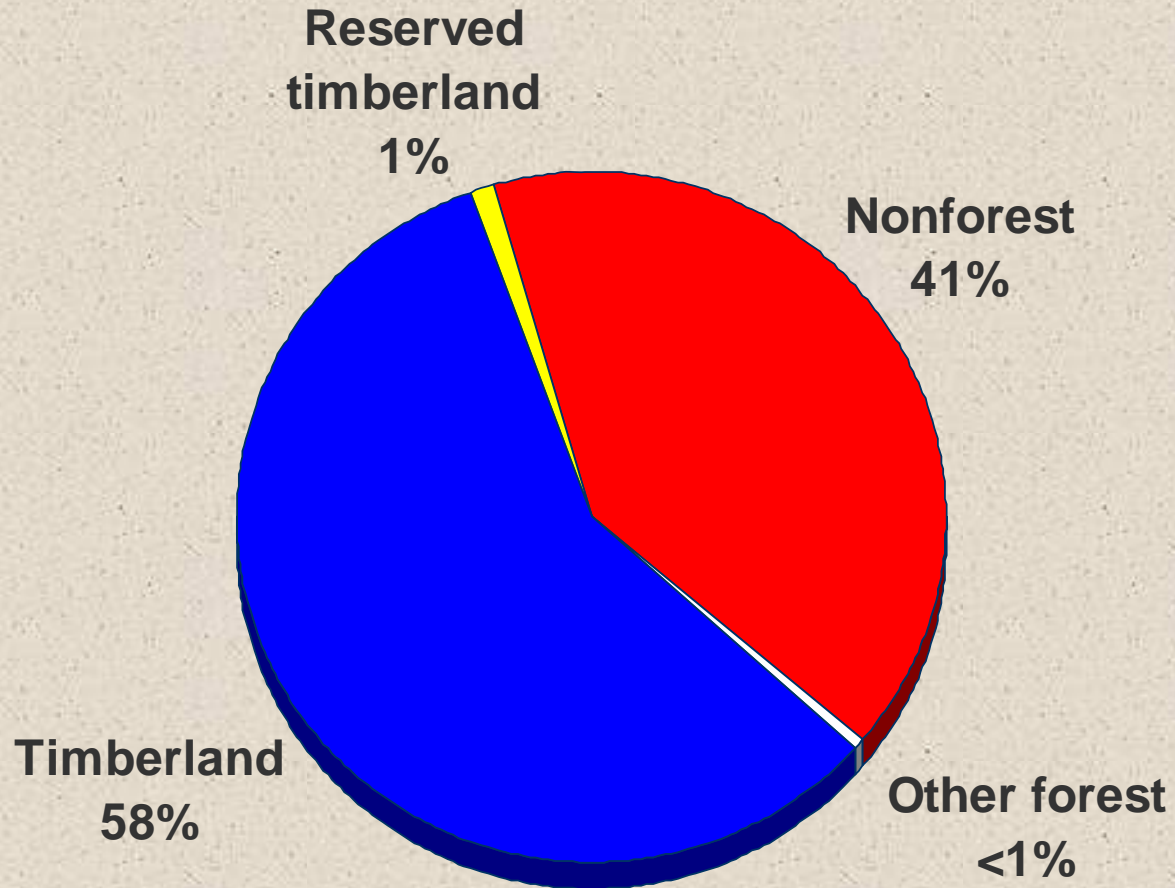
Findings and Key Trends

- Quick facts
- Area
- Ownership
- Volume
- Growth
- Removals

NC Quick Facts

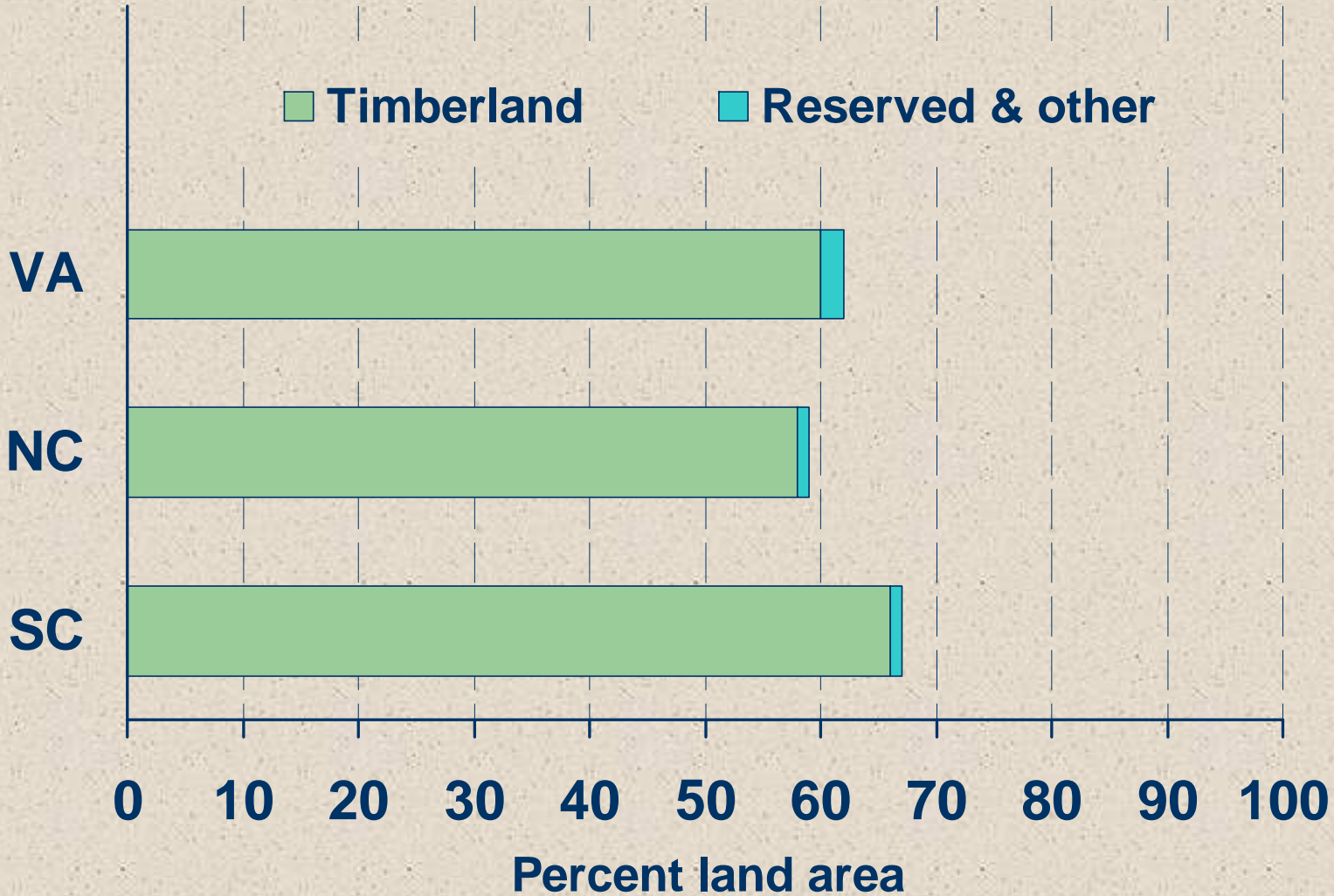
- 59% of land area is forested
- 18.5 million acres of forest land
- 18.0 million acres classed as timberland
- > 500,000 acres reserved & other forest
- 41% non-forest (i.e. urban or agricultural)

Land Area Classification

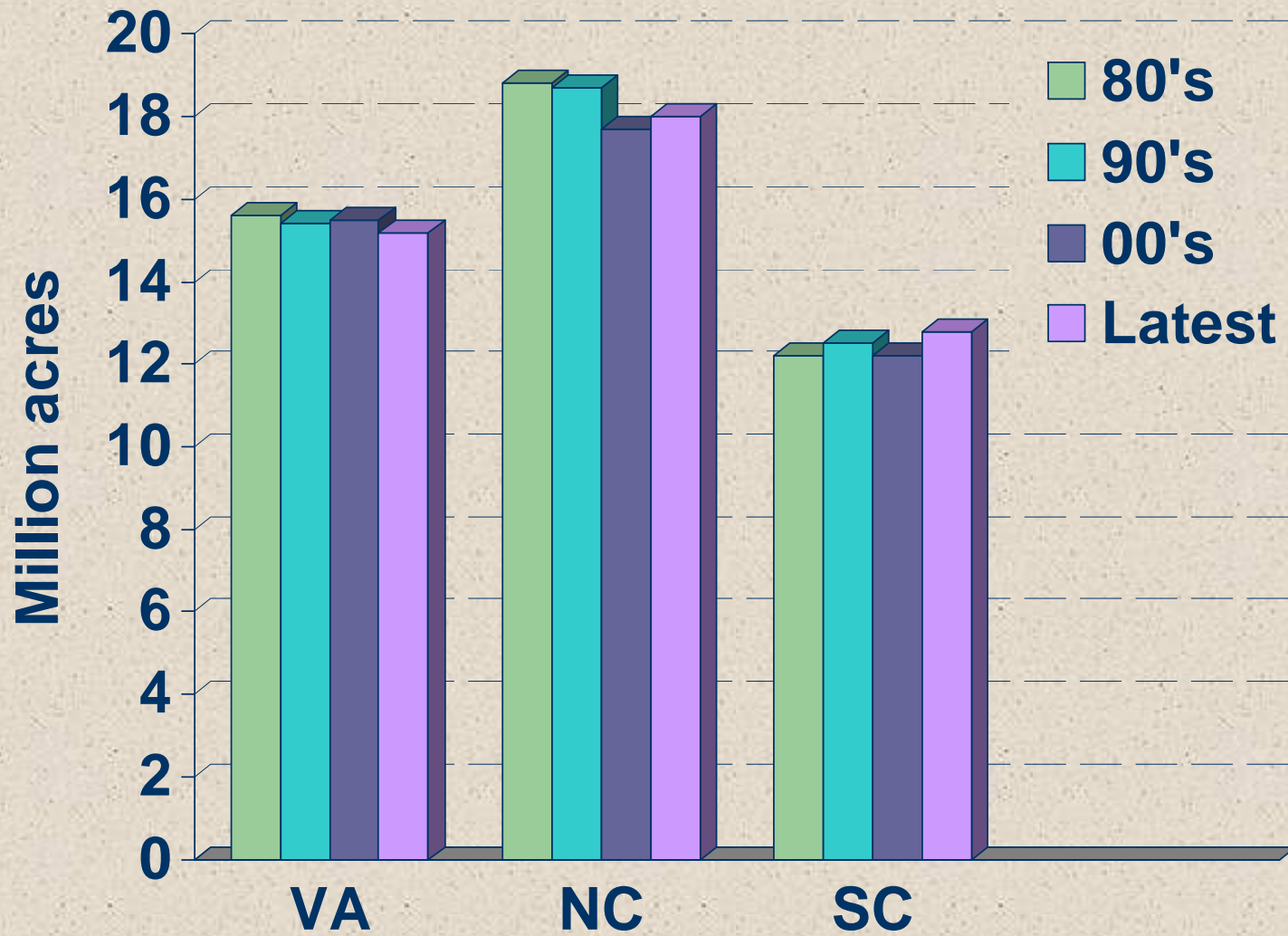


31.2 Million acres

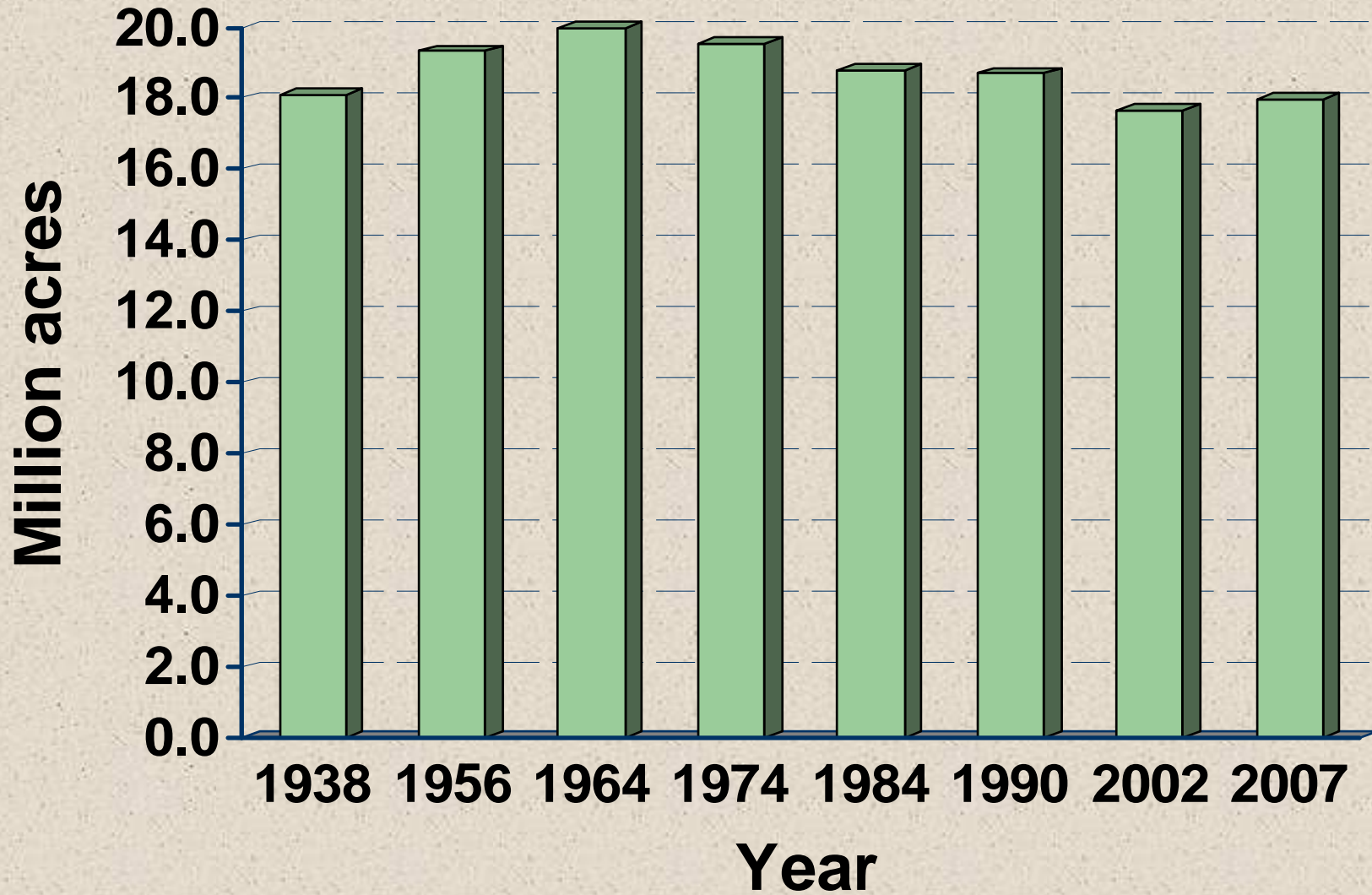
NC relative to neighbors % forest of total land area



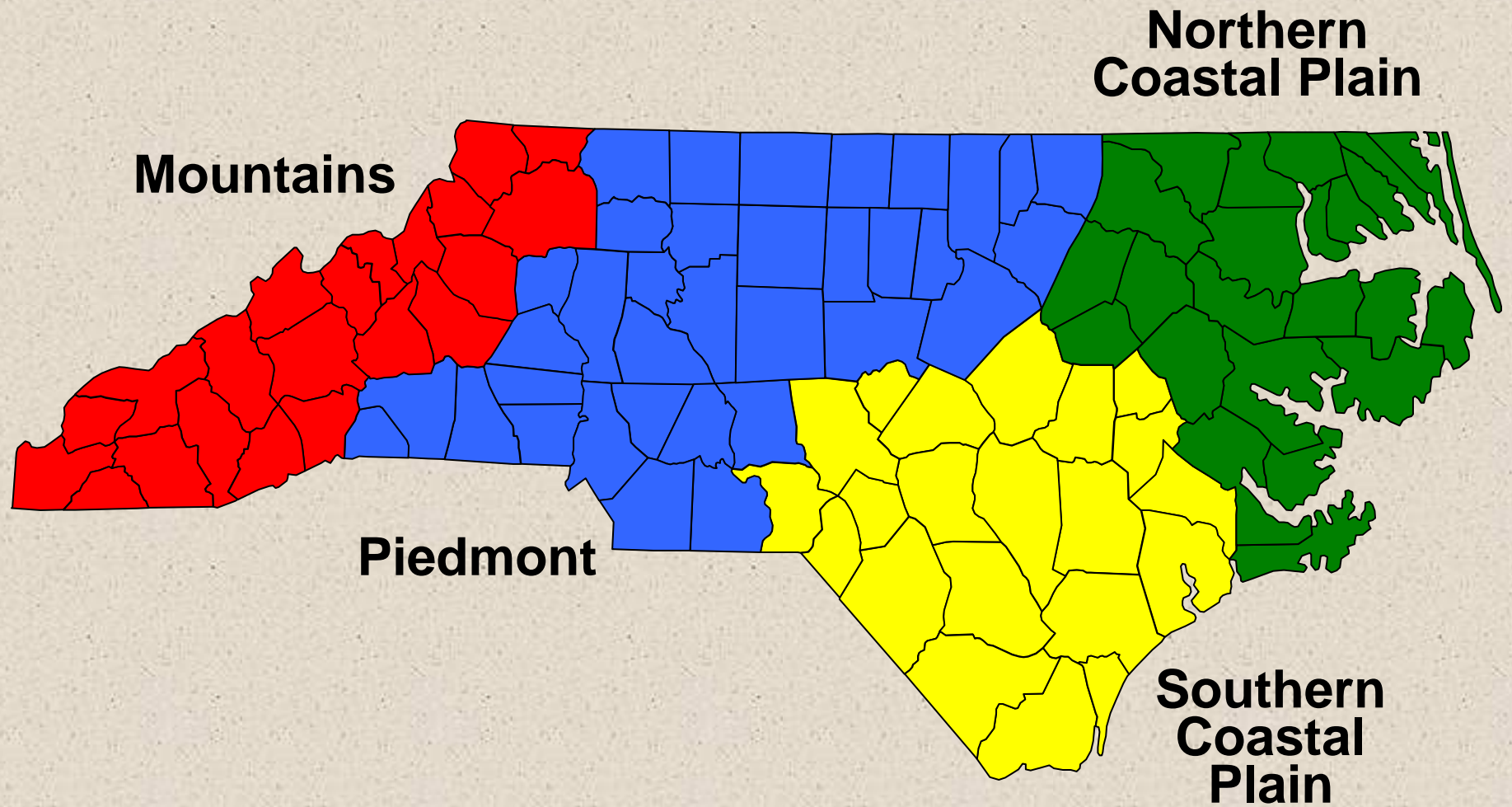
NC relative to neighbors area of timberland



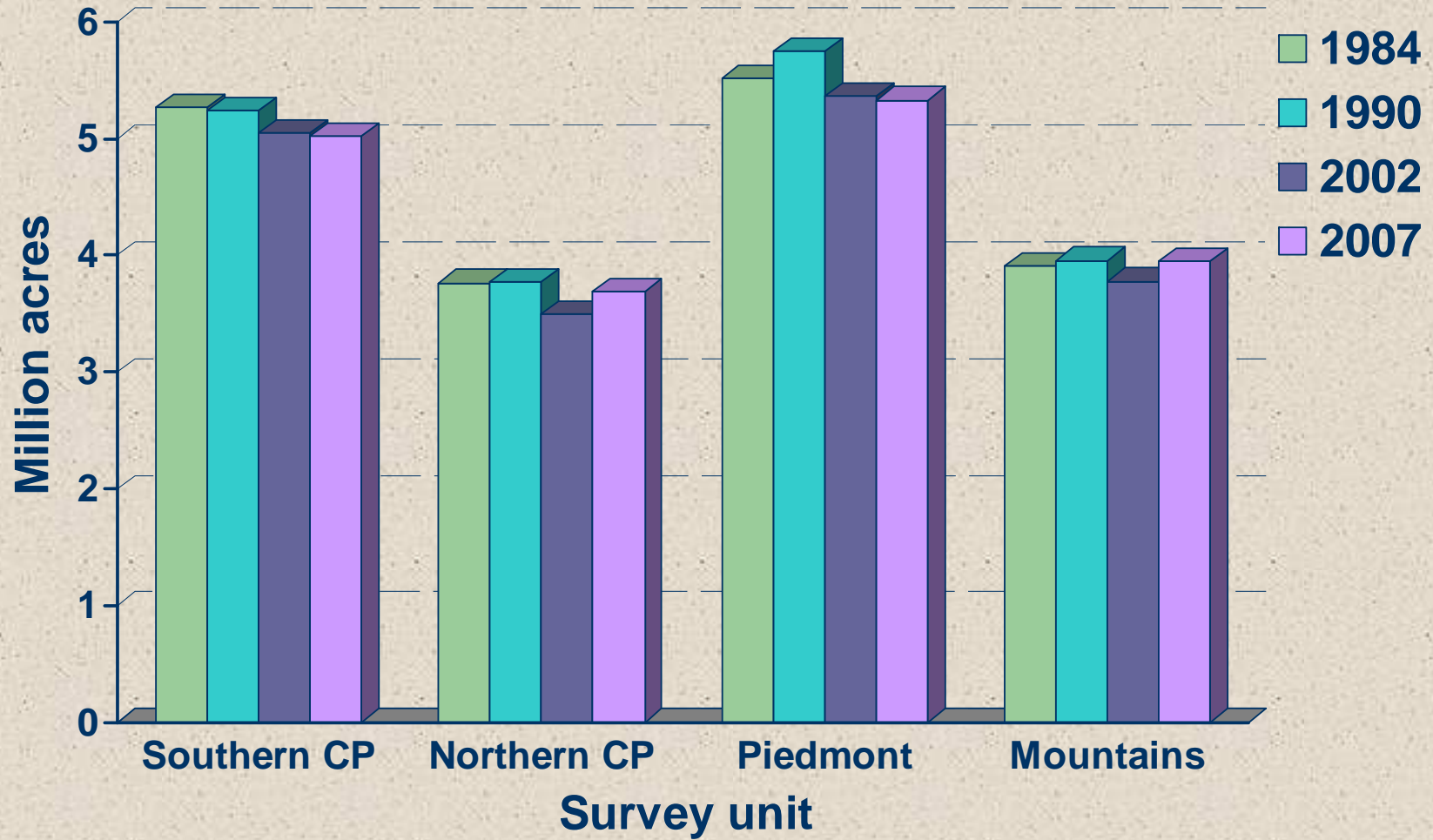
Trends in Area of Timberland



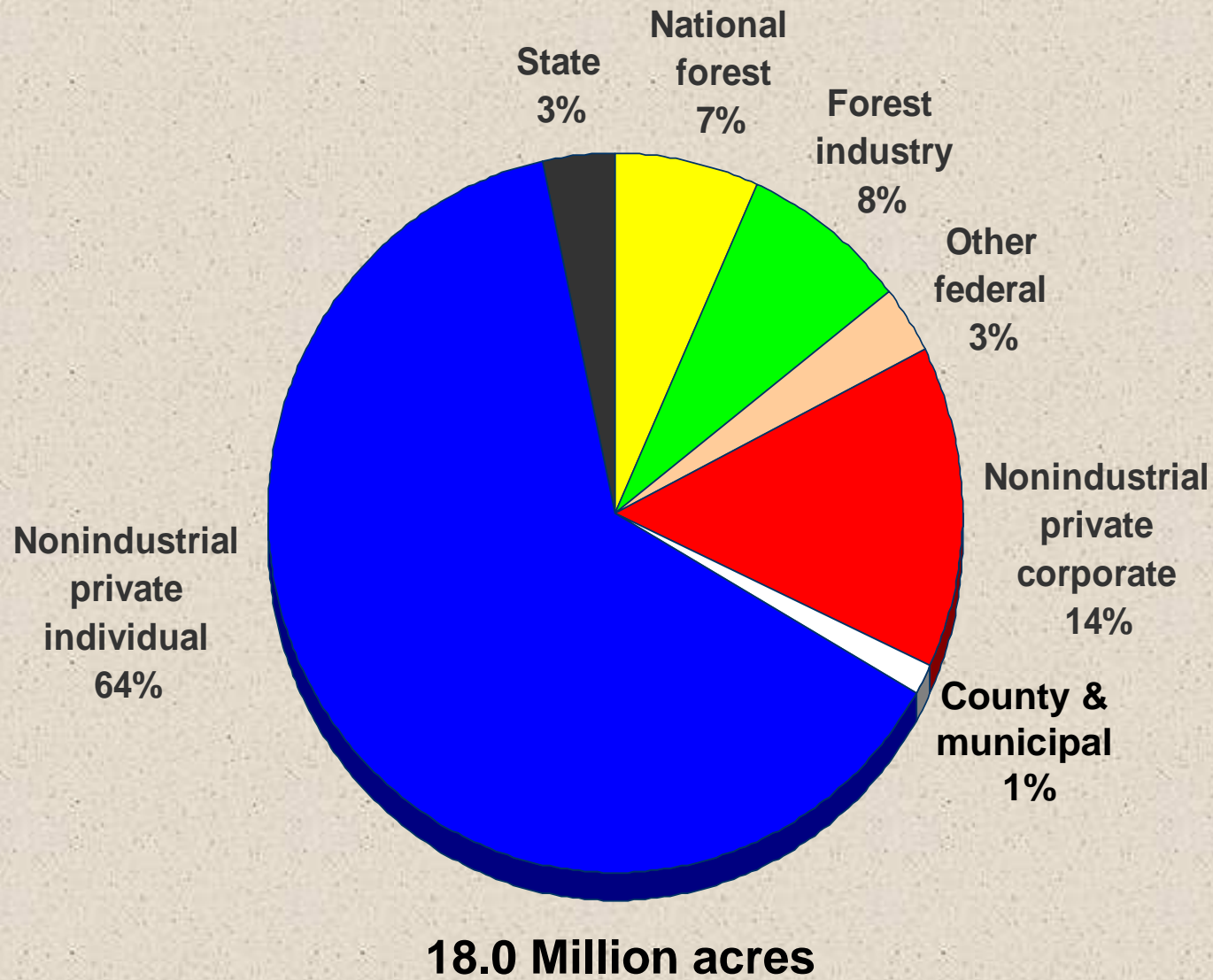
North Carolina Survey Units



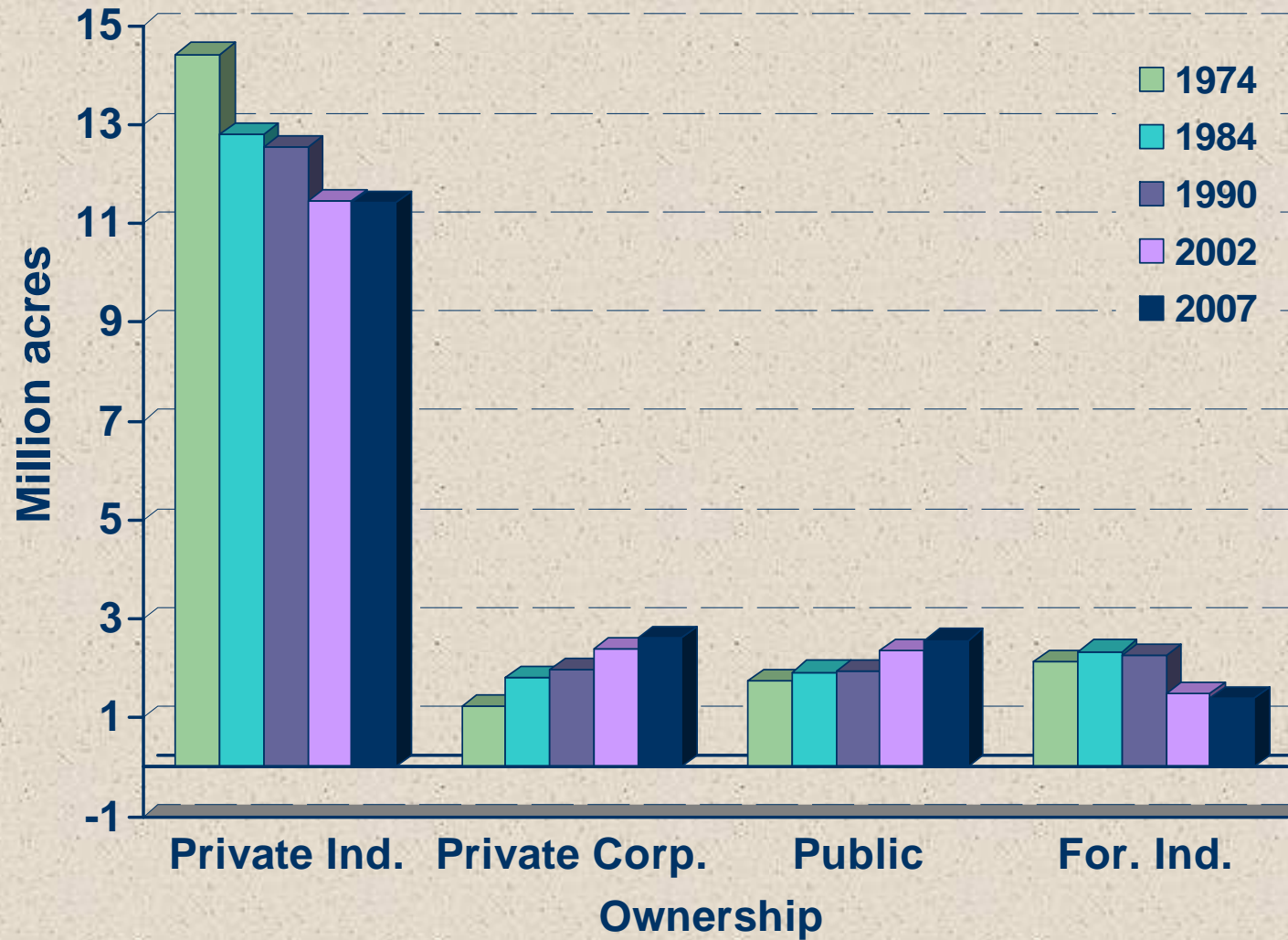
Timberland by Survey Unit



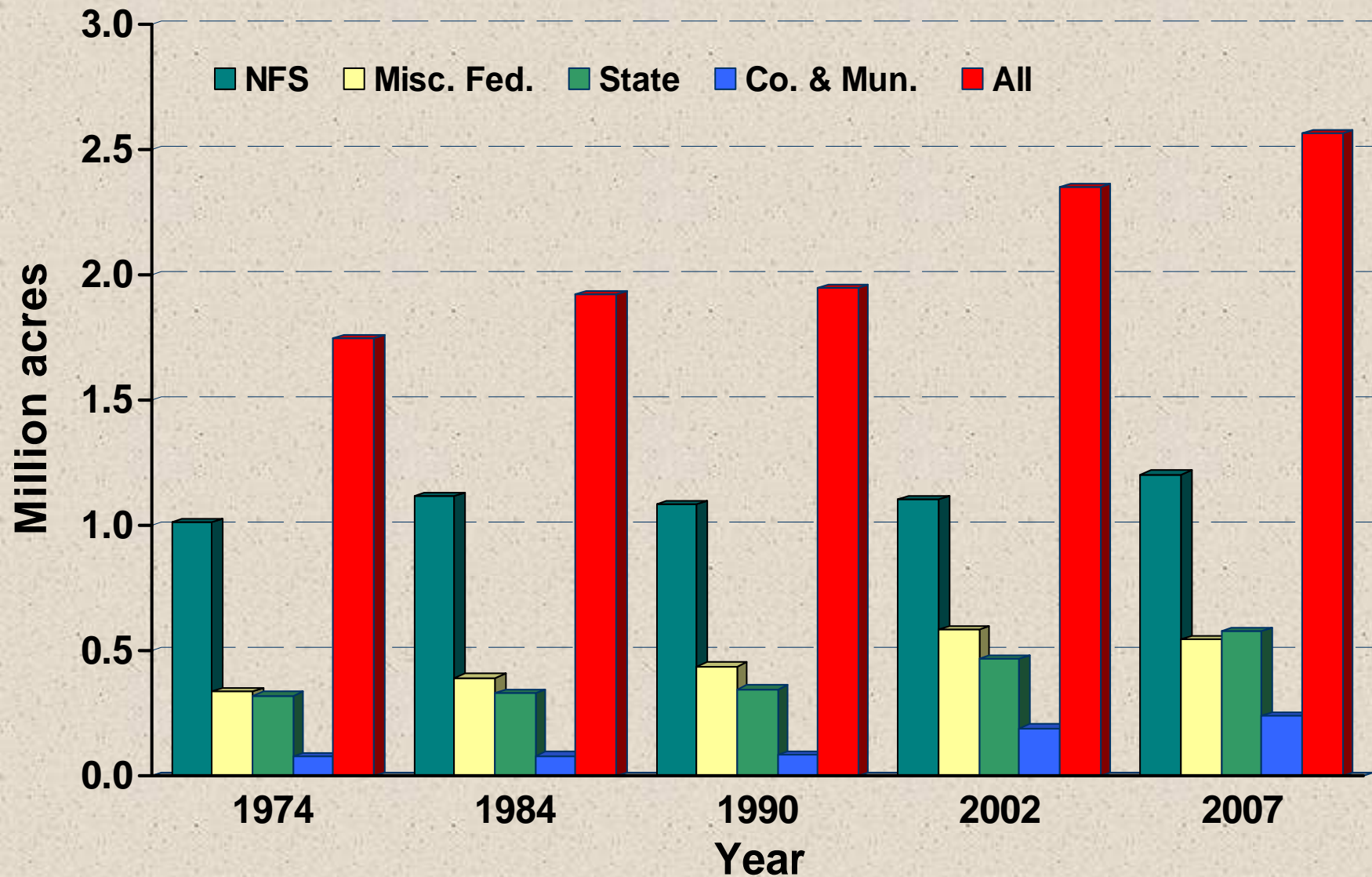
Area of Timberland by Ownership



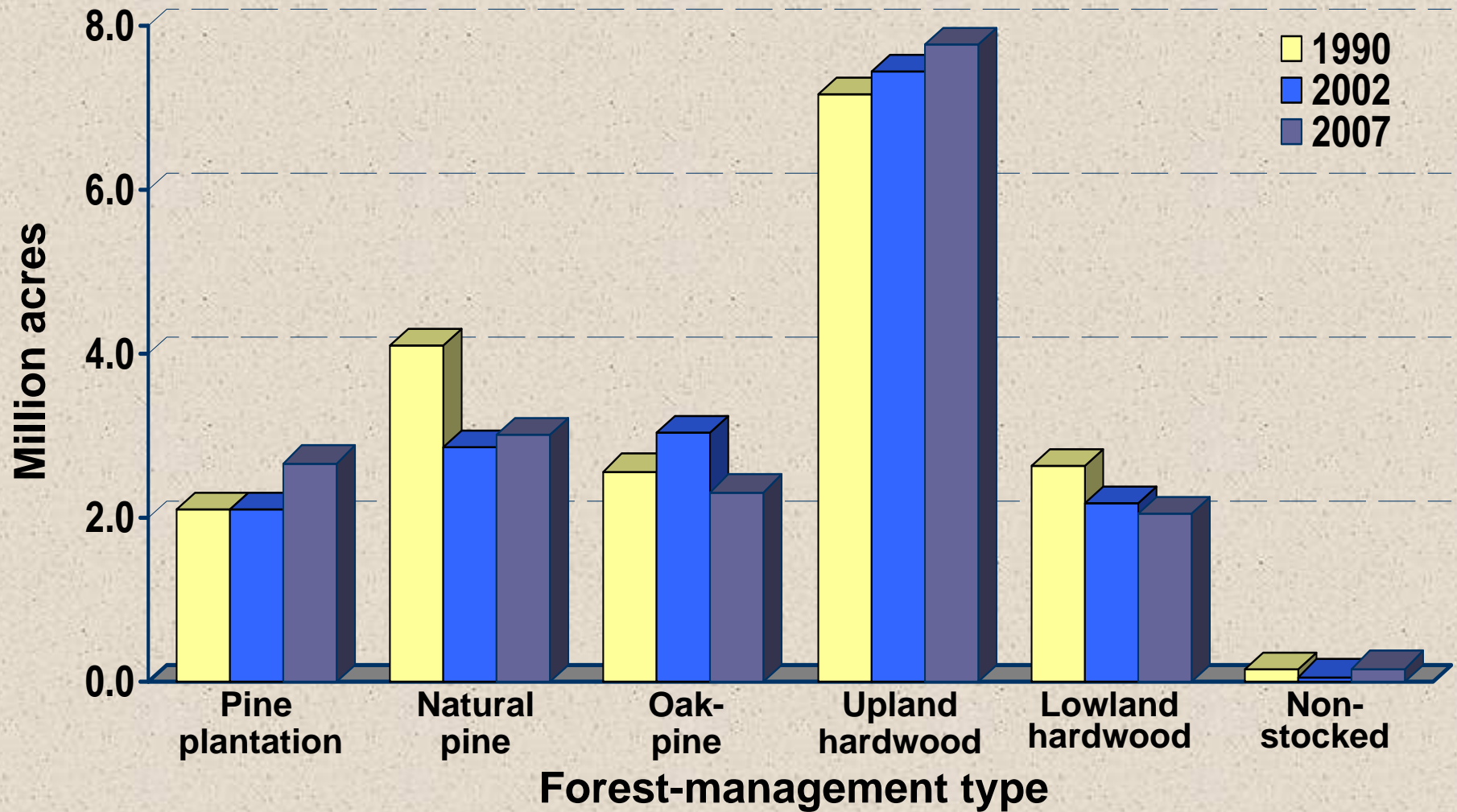
Ownership Trends for Timberland



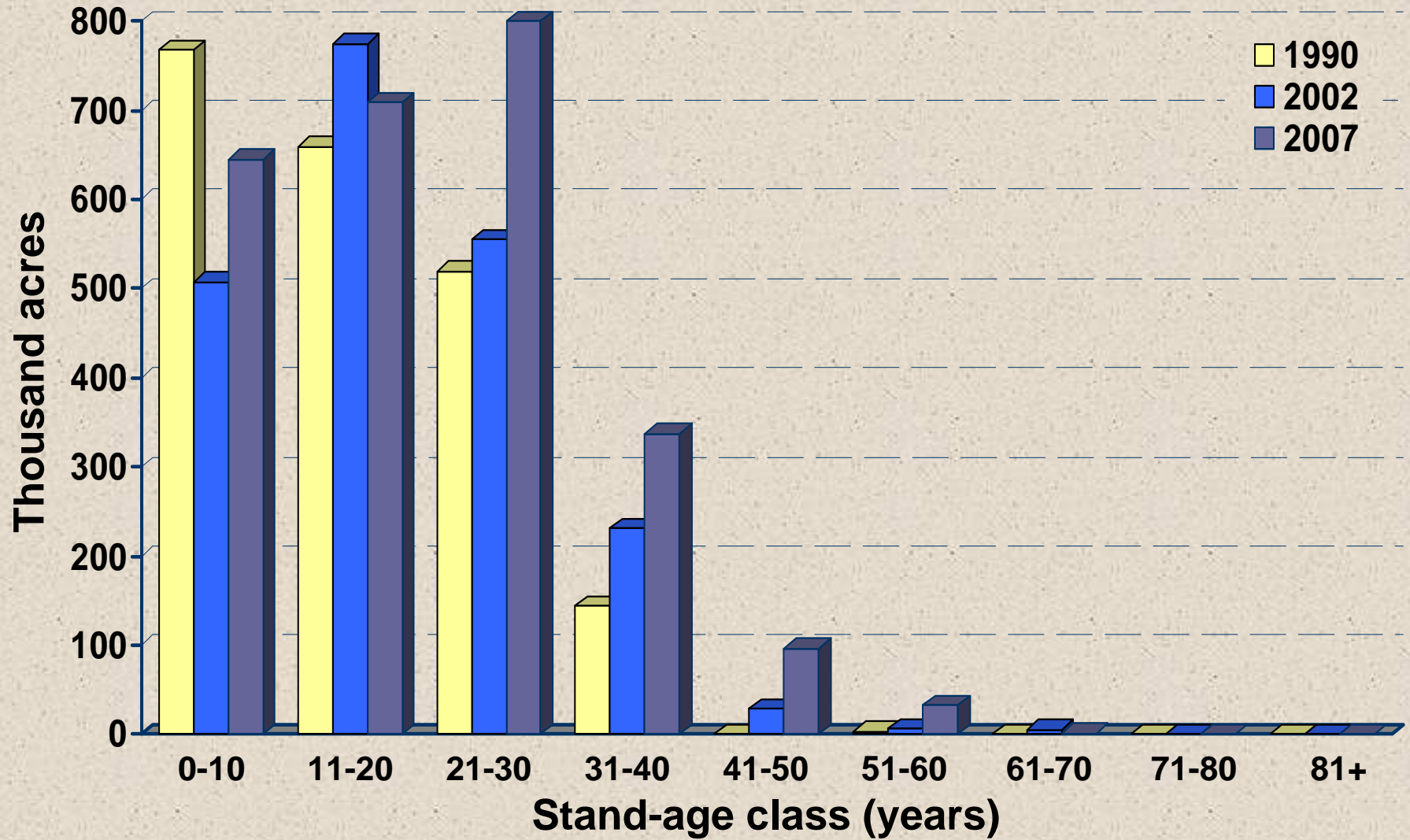
Trends in Timberland Owned by Public Agencies



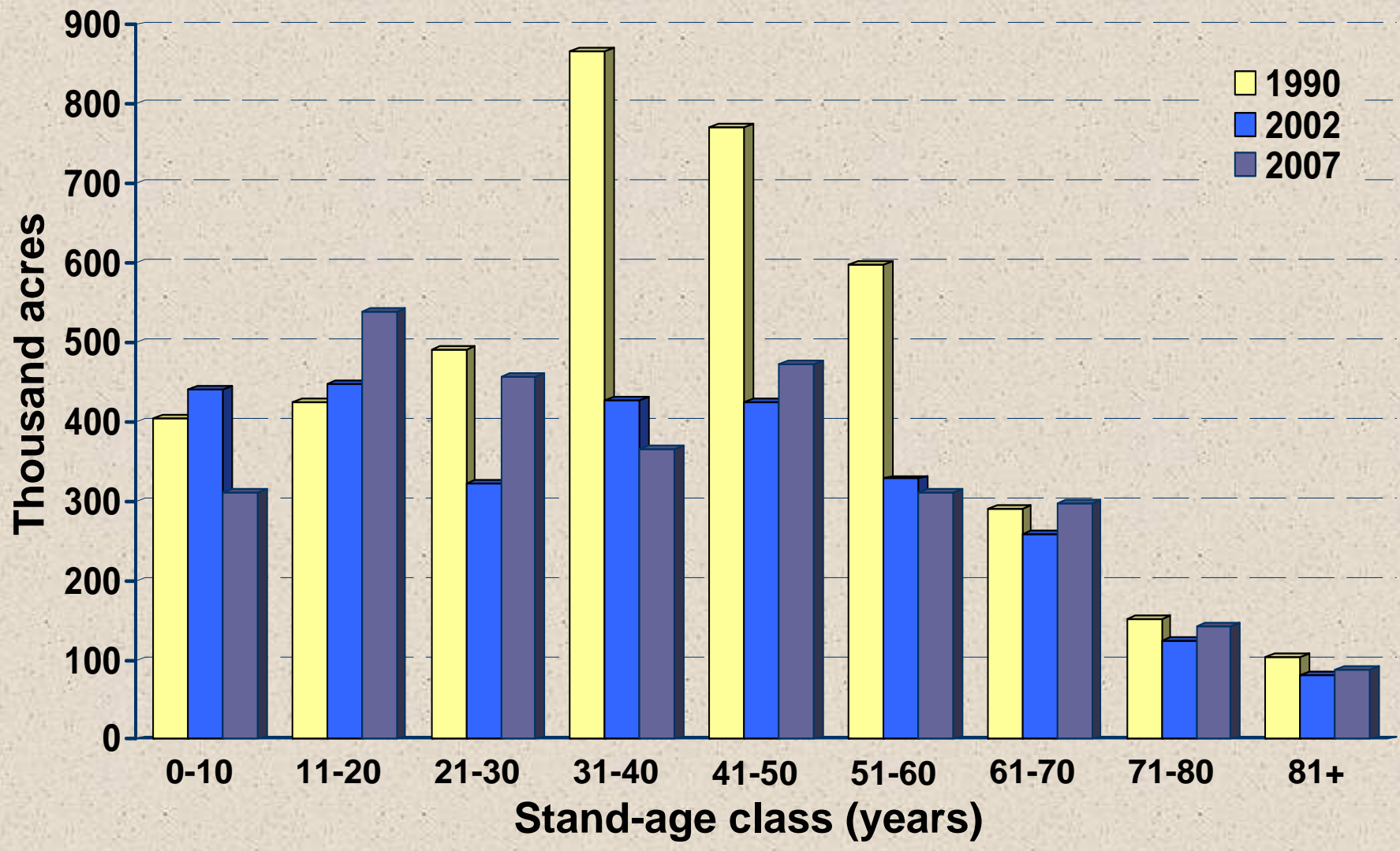
Area of Timberland by Forest-Management Type



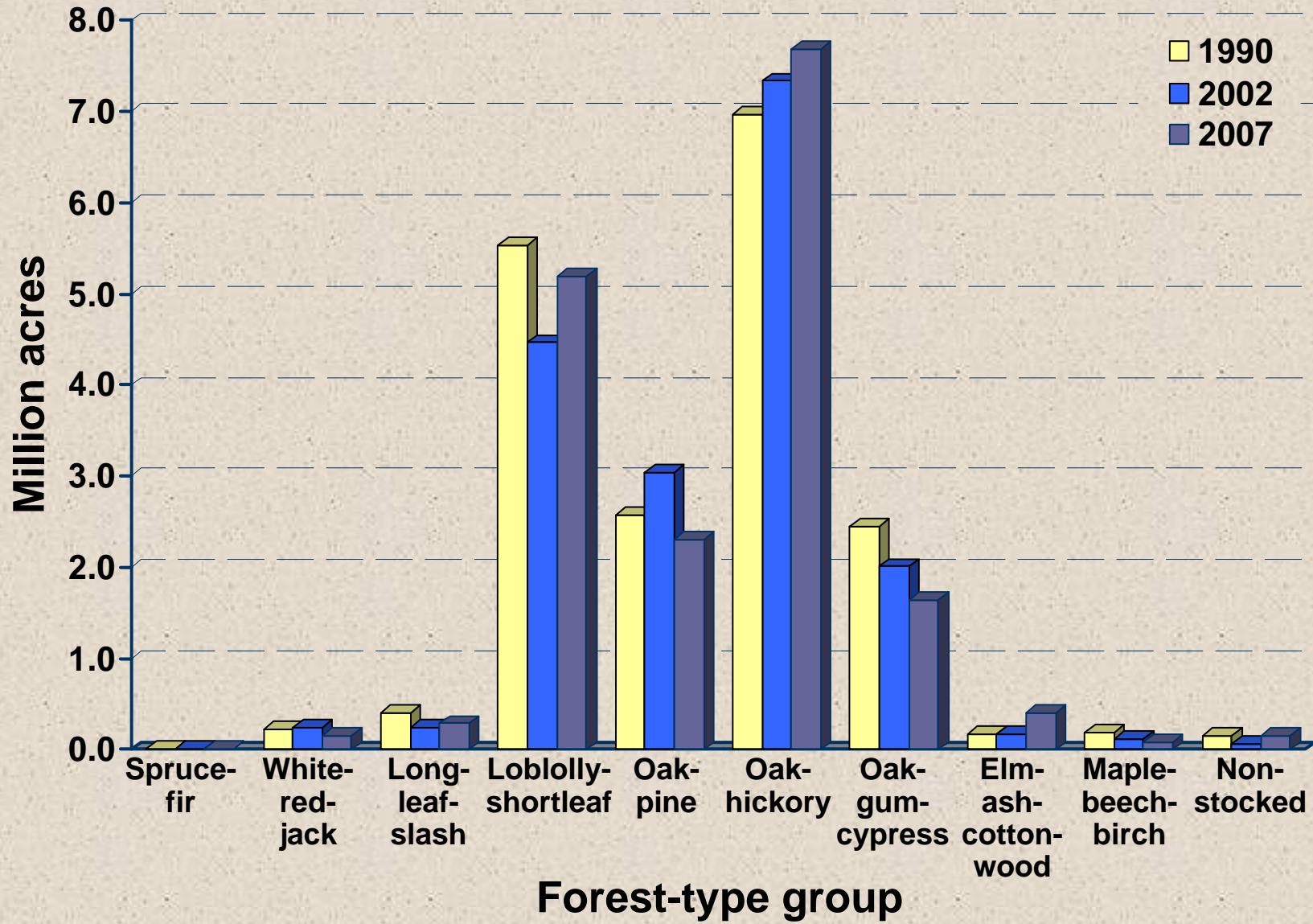
Change in Age Structure – Pine Plantation



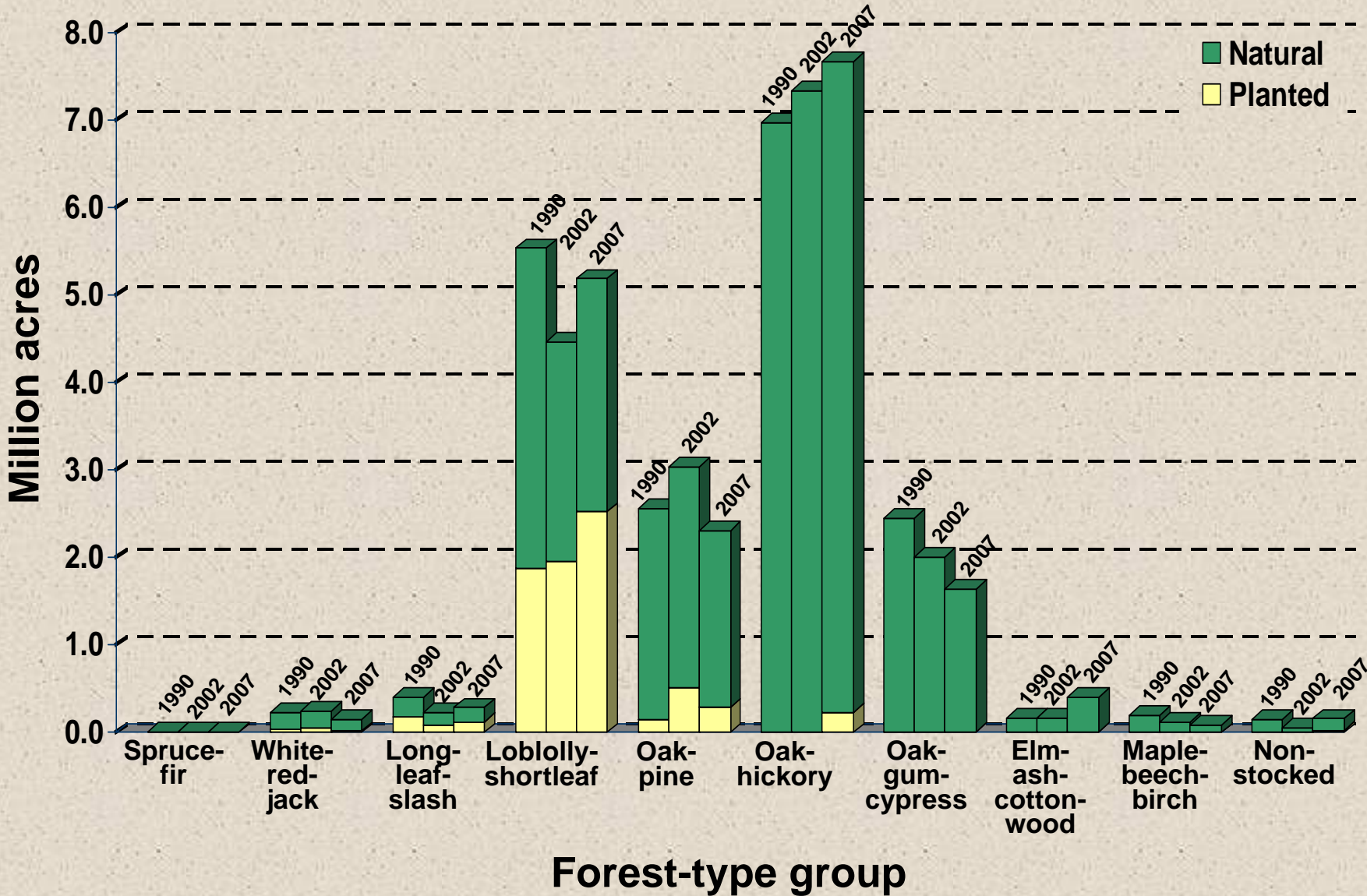
Change in Age Structure – Natural Pine



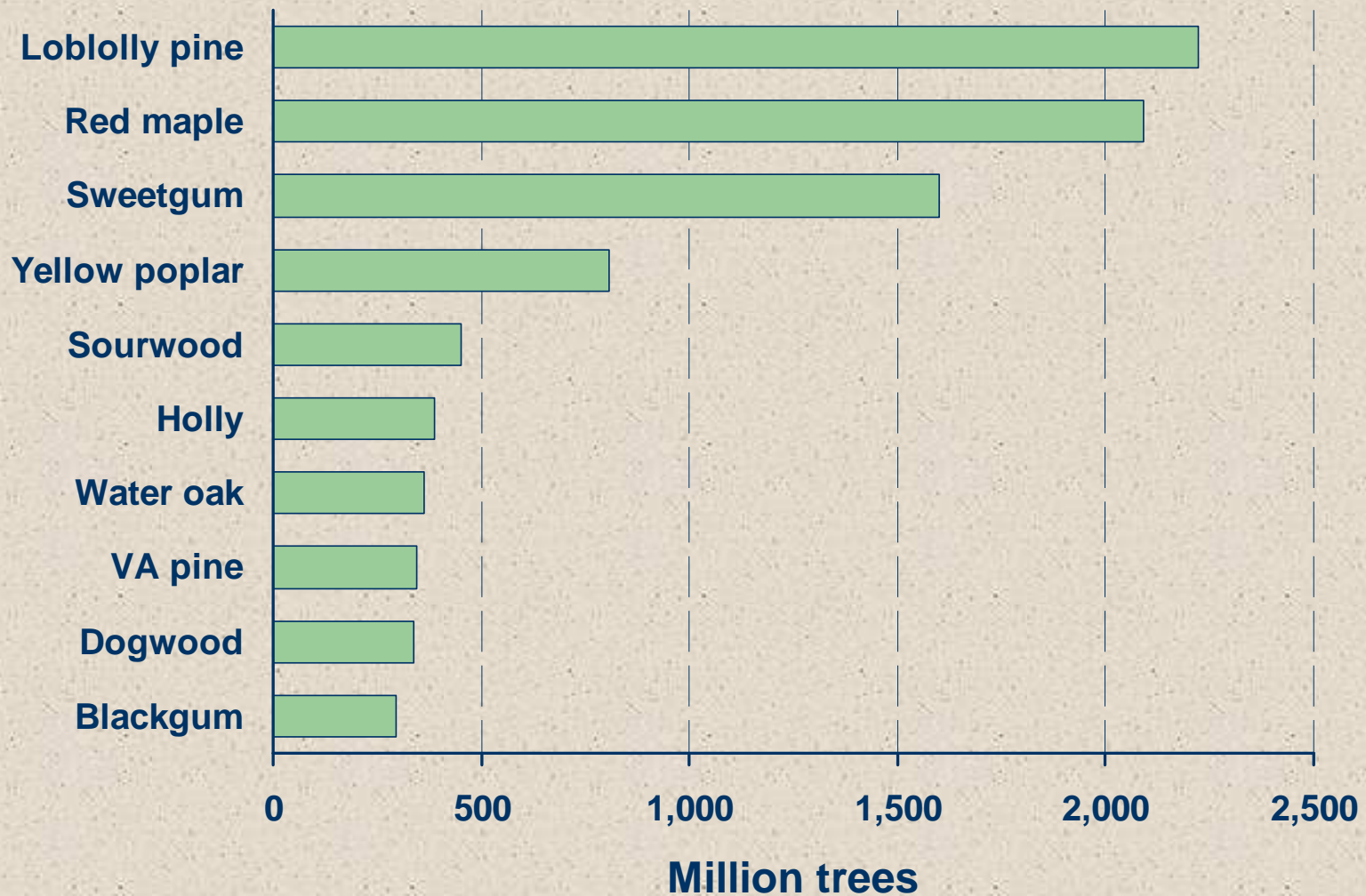
Area of Timberland by Forest-Type Group



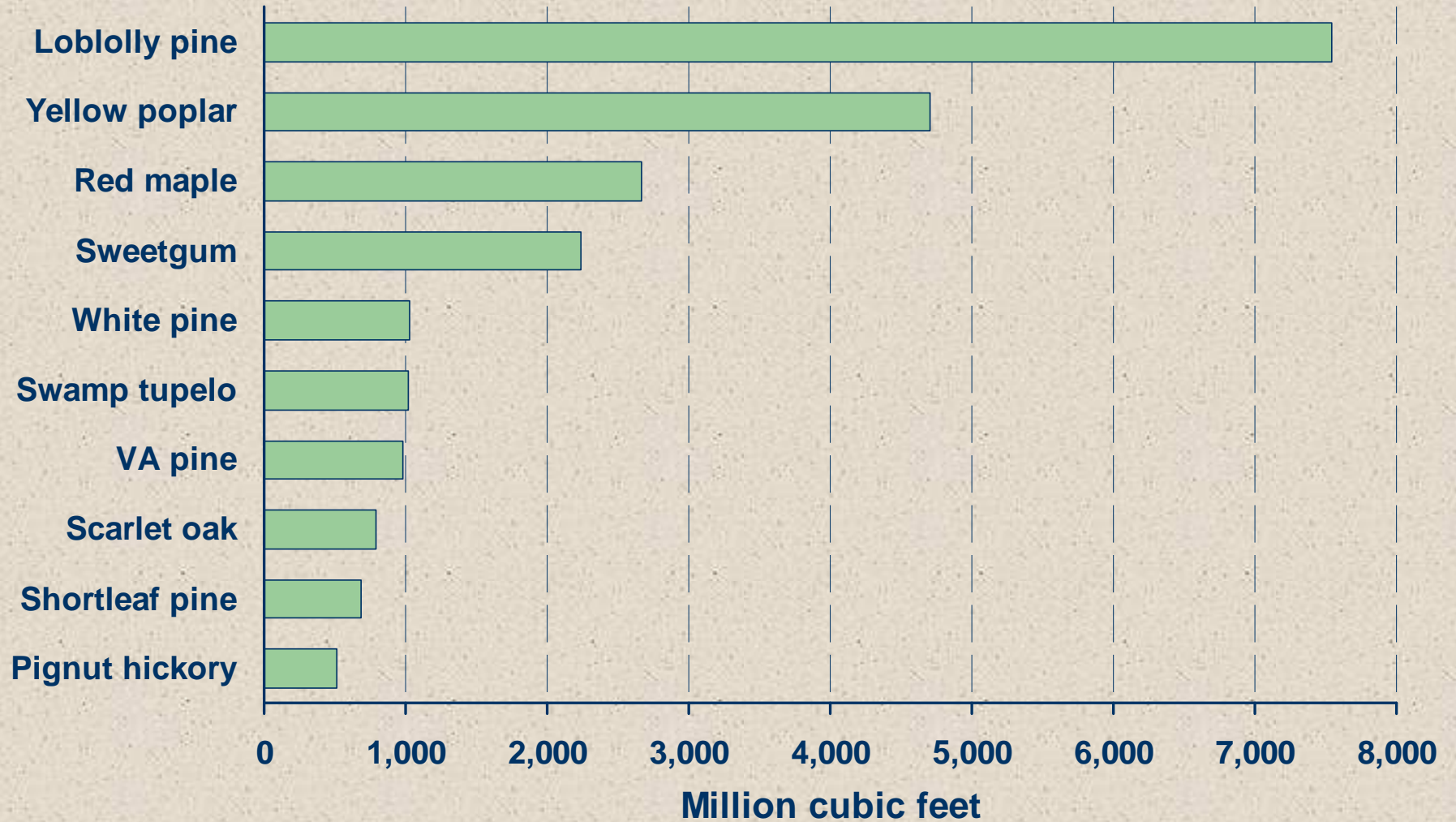
Area of Timberland by Forest-Type Group and Stand Origin



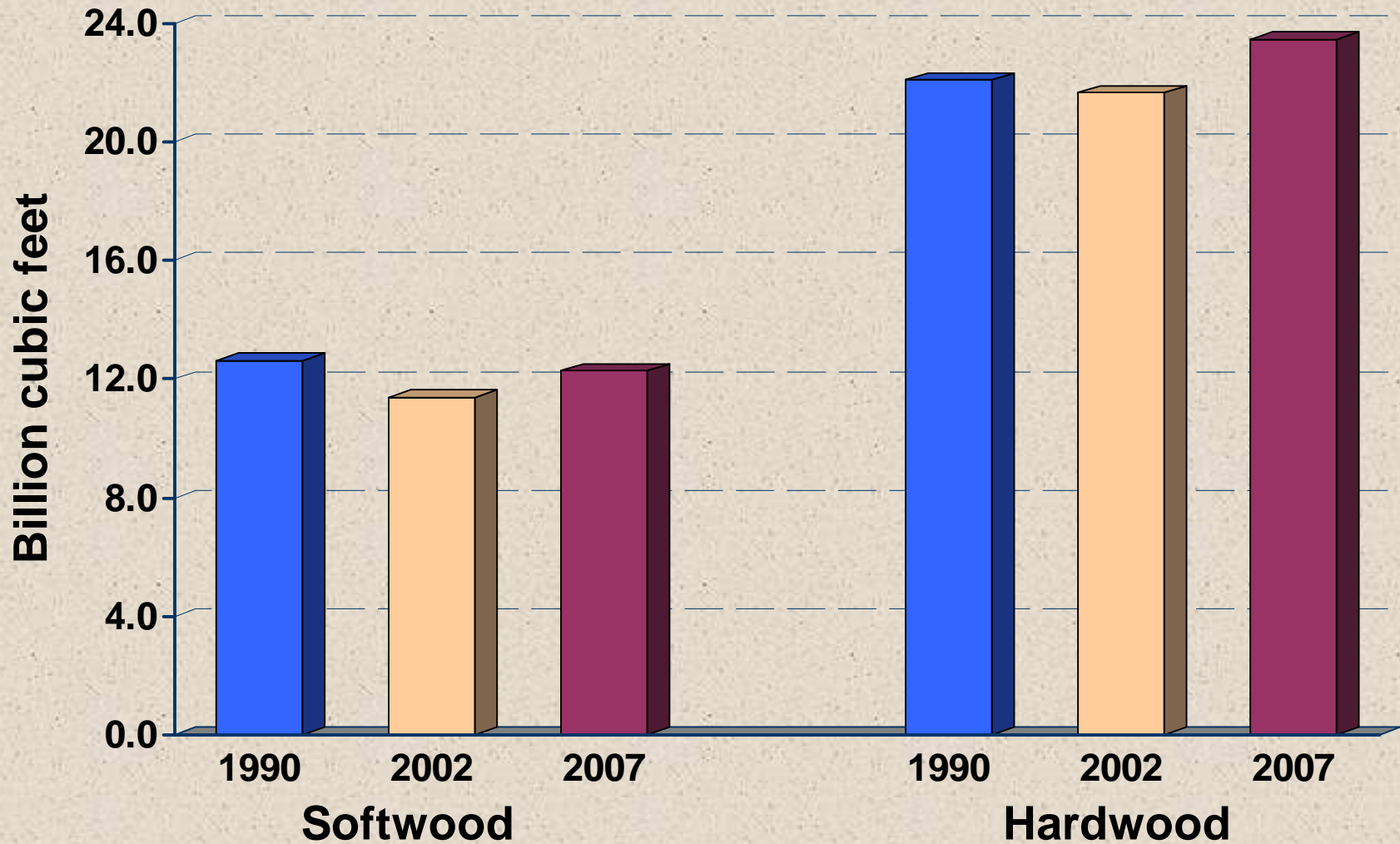
Top 10 Species by Number of Trees



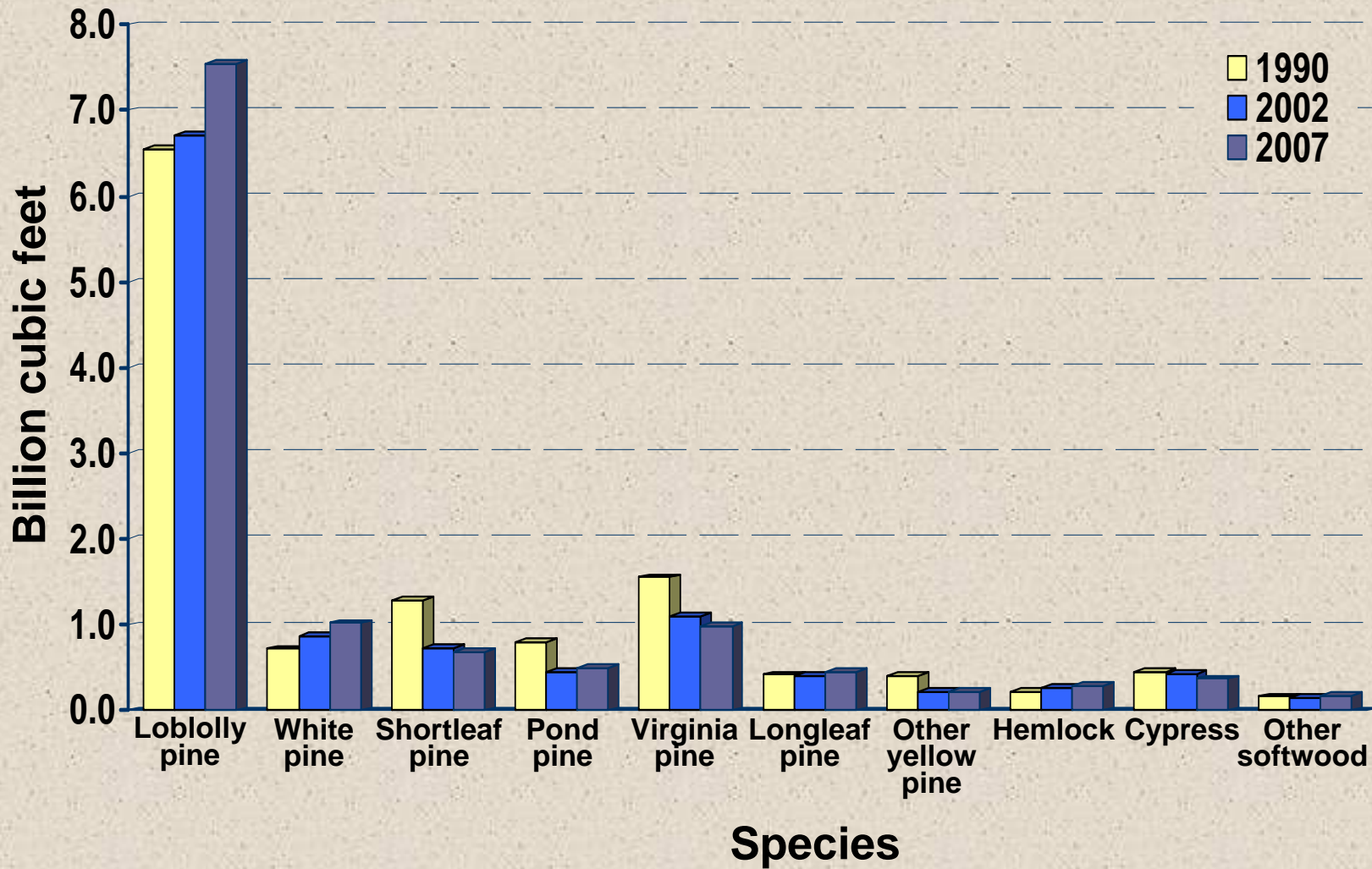
Top 10 Species by Volume in Trees



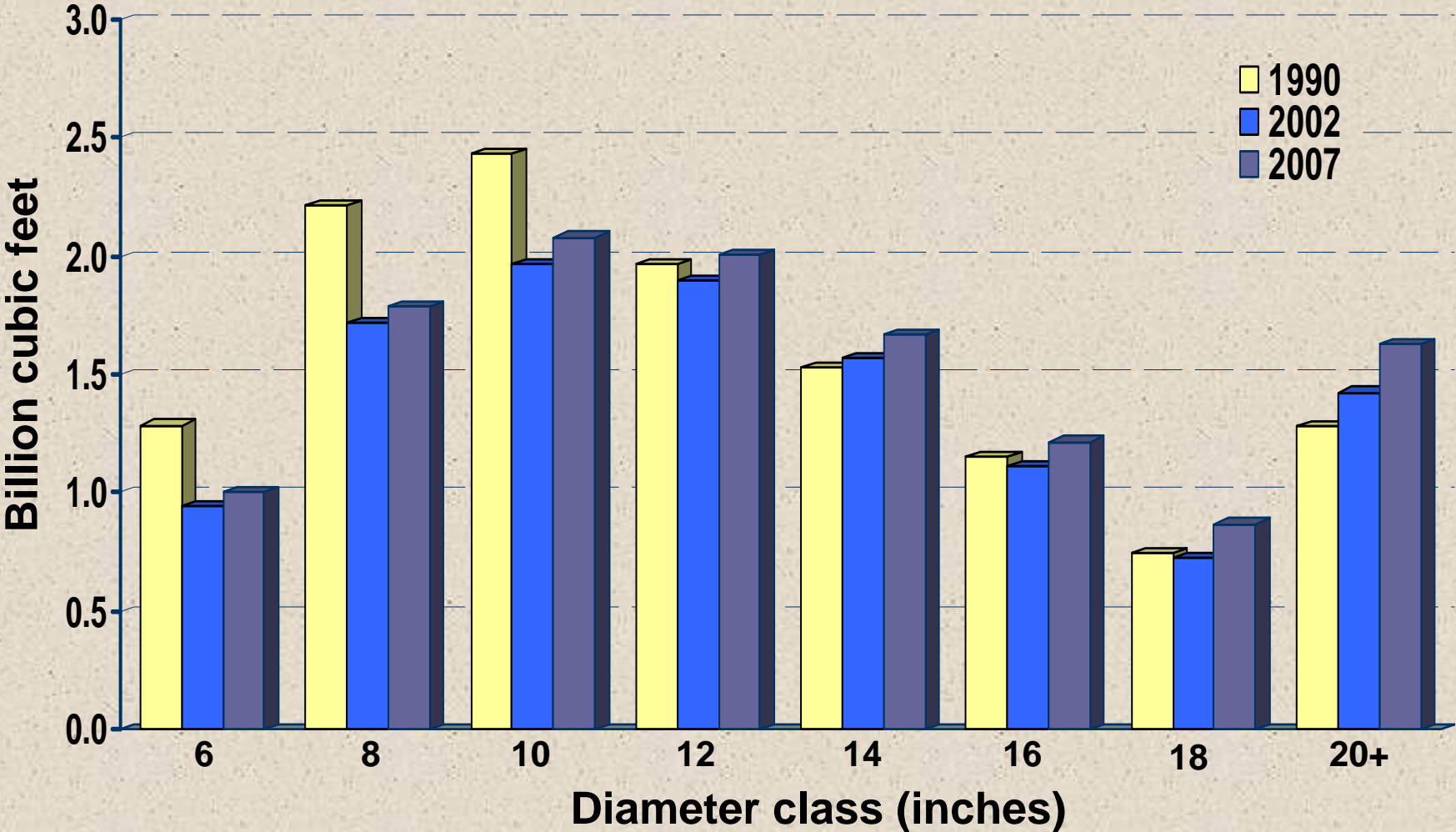
Volume of Live Trees on Timberland by Species Group



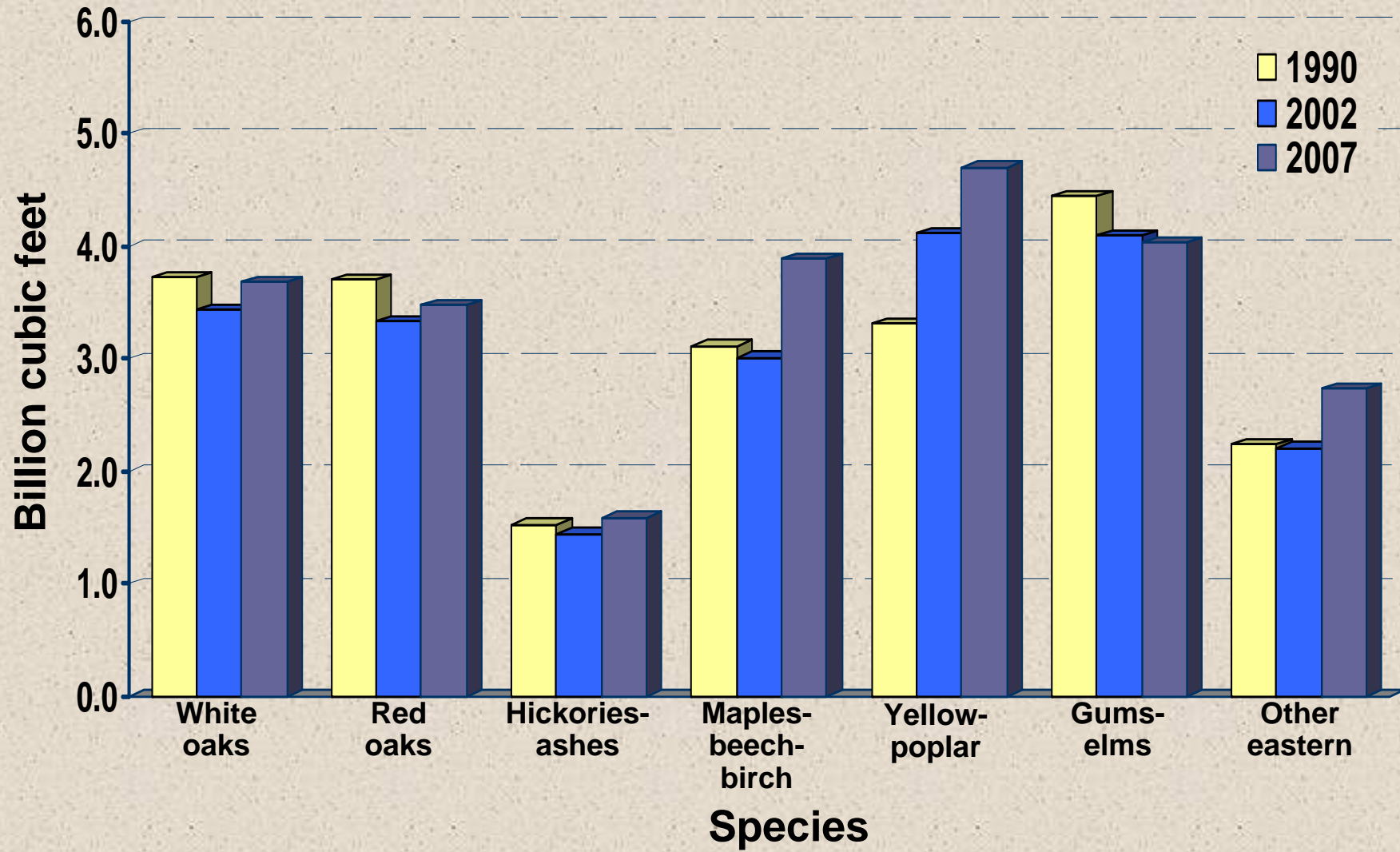
Volume of Live Softwood Trees by Species



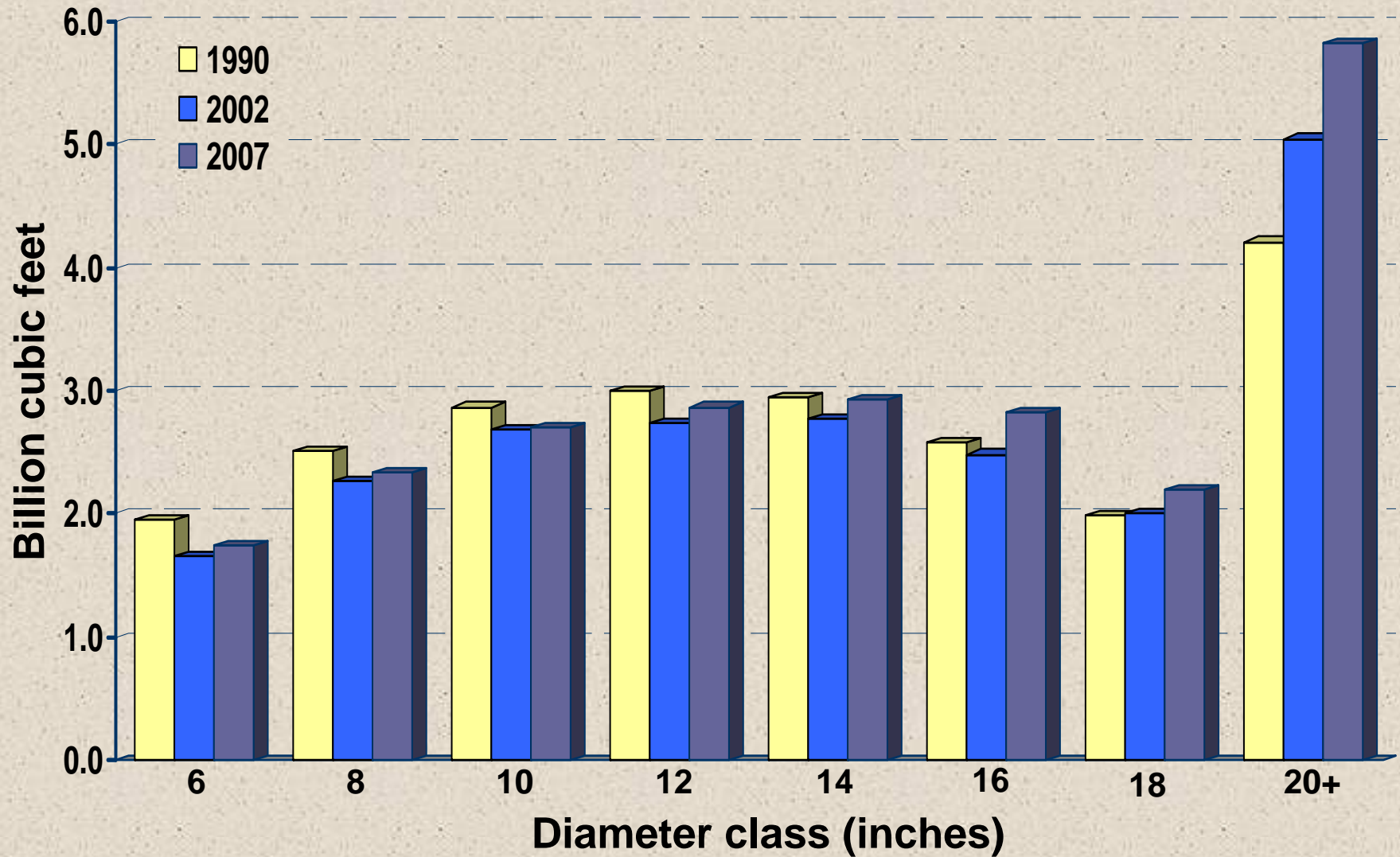
Softwood Volume of Live Trees by Diameter Class



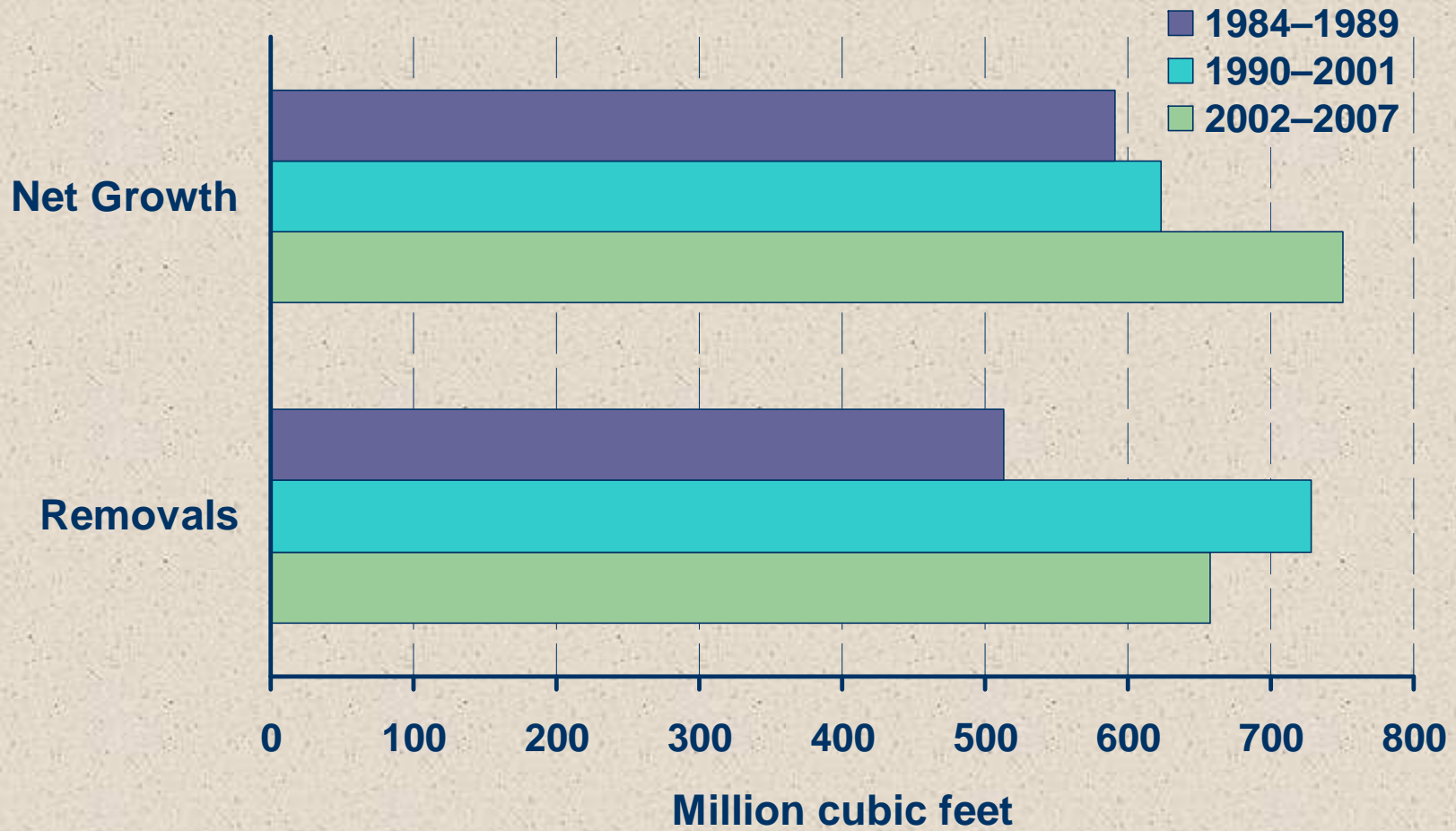
Volume of Live Hardwood Trees by Species



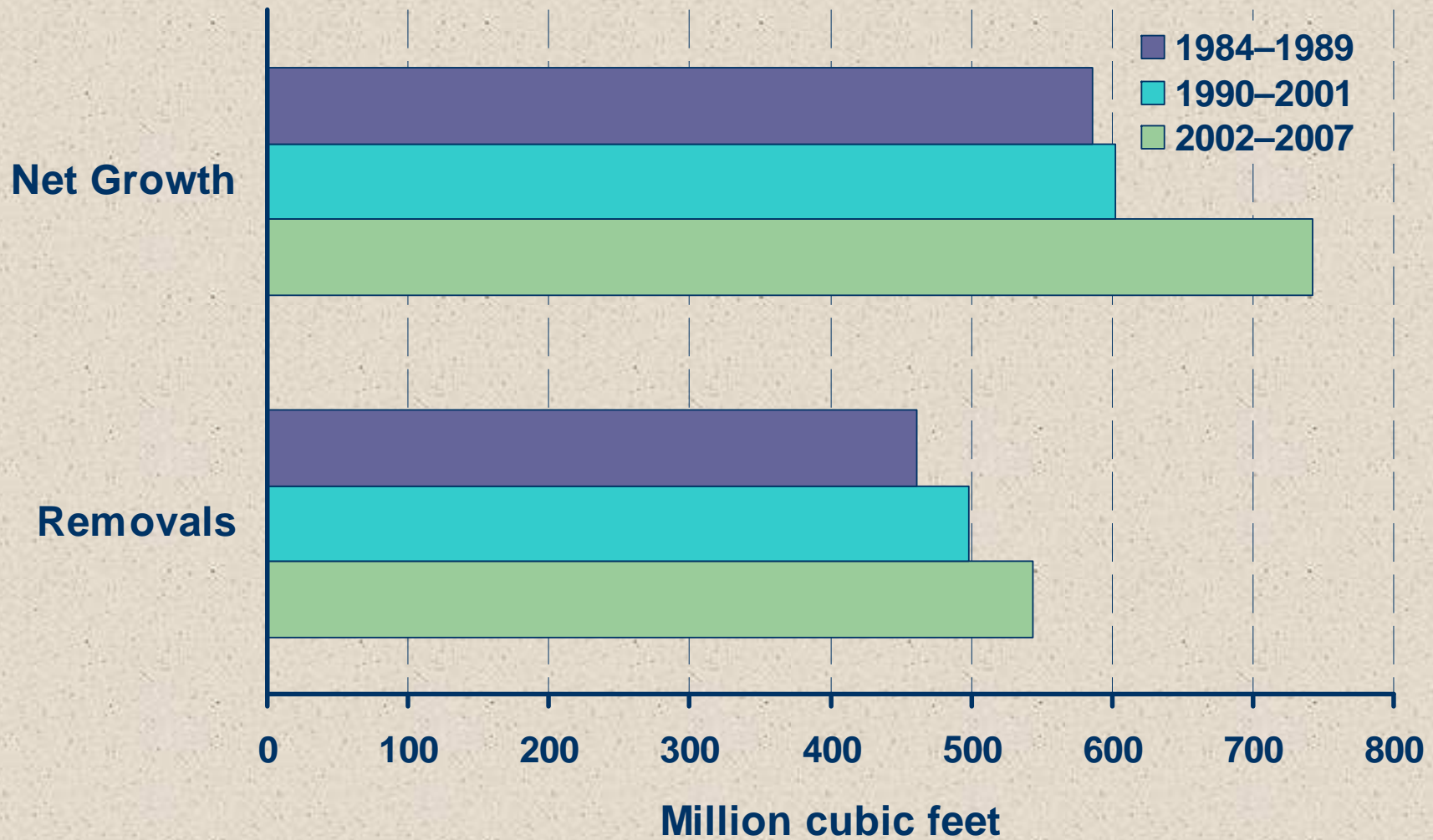
Hardwood Volume of Live Trees by Diameter Class



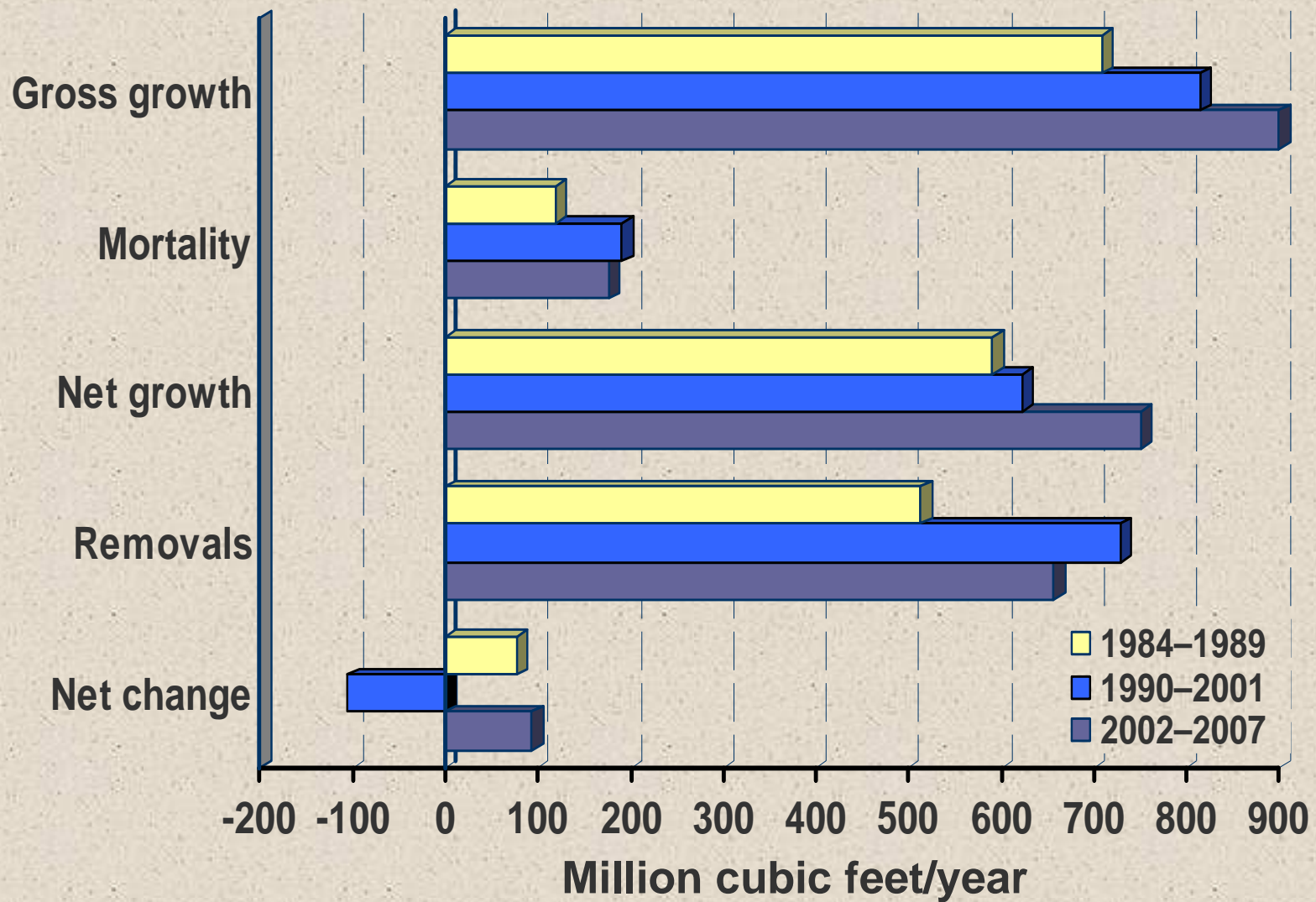
Net Growth and Removals of Softwood



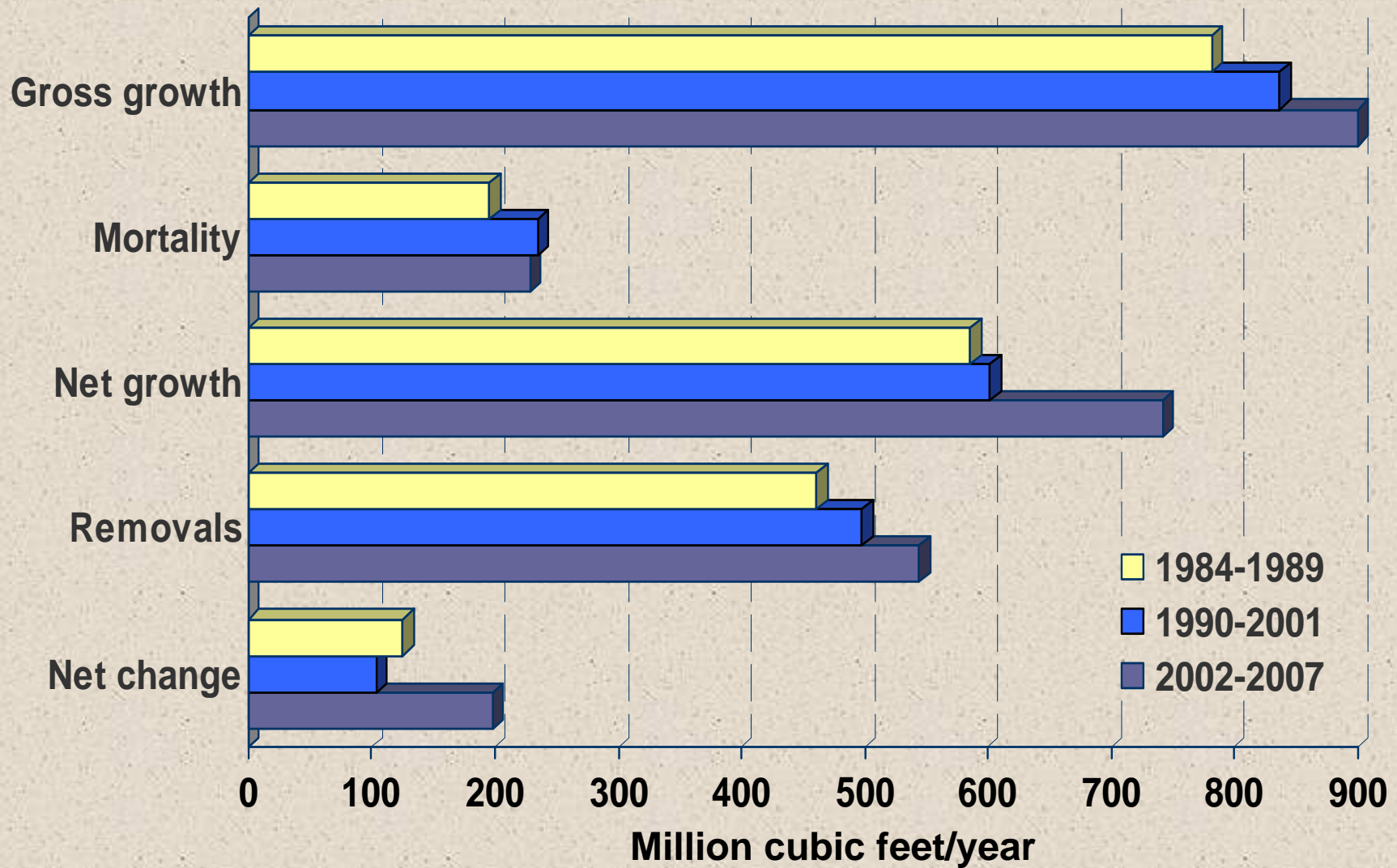
Net Growth and Removals of Hardwood



Components of Change — Softwoods



Components of Change — Hardwoods



Summary

- Forest land +
- Timberland +
- Volume Softwood +
- Volume Hardwood +
- Net Change Softwood +
- Net Change Hardwood +
- Ownership Changing

Questions?

