

Continuing Project

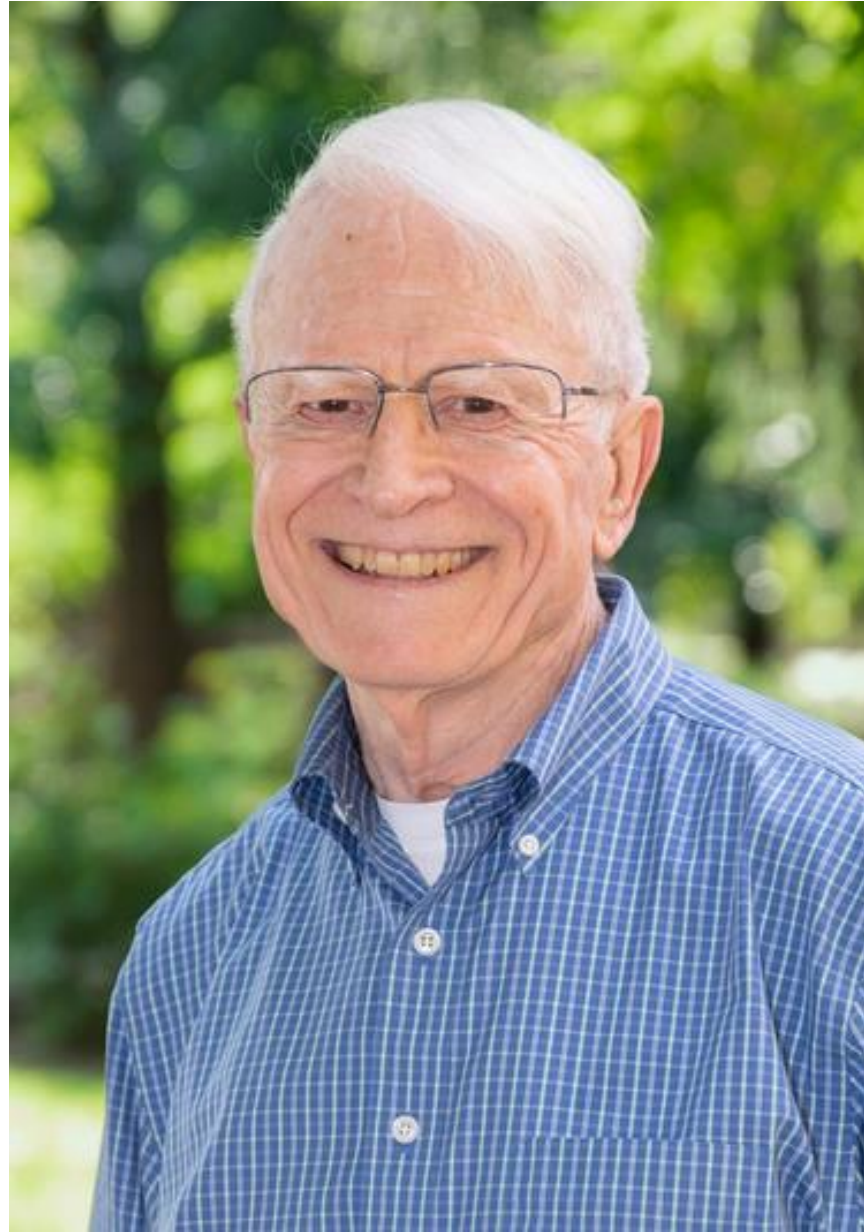
Quantifying silvicultural treatment effect on lumber quantity and quality in loblolly pine CAFS 21.88

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Bullock (UGA), Corey Green (VT), Harold Burkhart
(VT), Tom Eberhardt (USFS)

Presenter: Joe Dahlen - UGA



In loving memory



Regionwide Intensively Managed Planation (IMP) study



FOREST MODELING RESEARCH COOPERATIVE



3 Treatments

- A. Control
- B. Light thinning
- C. Heavy thinning with pruning in butt log

105 Total Trees

5 Stands

7 Trees/Plot



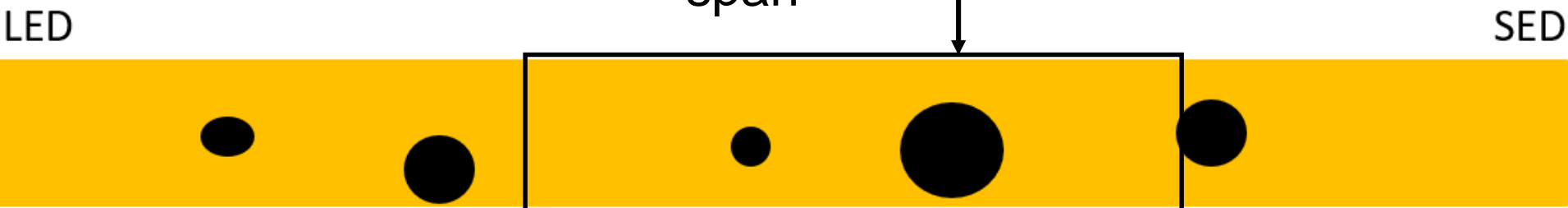
Lumber visually graded by certified SPIB graders in Athens Ashlyn West, Daniel Carroll



Lumber test span

- ASTM testing standards
- Span to depth ratio of 17:1
- After trimming lumber ranges from 8' to 16'
- 2×4 span to depth = 59.5"
- 2×6 span = 93.5"

Worst defect predicted and included randomly within the test span





Future plans

- M.S. student started in Fall
- Half done with span cutting
- Non-destructive evaluation (SG, AV, vibration)
- Imaging for knots
- Destructively test to failure (MOE & MOR)





Thank You and Questions?

- NSF CAFS
- Members of the Wood Quality Consortium, Forest Modeling Research Cooperative, and Plantation Management Research Cooperative
- Daniel Carroll and Ashlyn West from Southern Pine Inspection Bureau
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