



Sustainability at Enviva

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ENVIVA'S U.S. FACILITIES

Production Plants

Amory

Location: Amory, MS
Startup: August 2010 (acquired)

Ahoskie

Location: Ahoskie, NC
Startup: November 2011

Southampton

Location: Southampton, VA
Startup: October 2013

Northampton

Location: Northampton, NC
Startup: April 2013

Cottondale

Location: Cottondale, FL
Startup: May 2008 (acquired)

Sampson

Location: Sampson, NC
Startup: November 2016

Greenwood

Location: Greenwood, SC
Startup: February 2018 (acquired)

Hamlet *Under Construction*

Location: Hamlet, NC



Storage and Ports

Port of Mobile

Location: Mobile, AL
Startup: 3rd Party Agreement

Port of Chesapeake

Location: Chesapeake, VA
Startup: November 2011

Port of Panama City

Location: Panama City, FL
Startup: 3rd Party Agreement

Port of Wilmington

Location: Wilmington, NC
Startup: 2016

DISPLACE COAL. GROW MORE TREES.

- *Ensure that harvest is the best outcome for each forest tract from which we purchase.*
- *Enable commercial success in each of our existing and target markets.*
- *Create and nurture relationships with stakeholders to facilitate operations success.*

People Forests Integrity Discipline Accountability Determination

ENHANCED RESPONSIBLE SOURCING POLICY

In early 2019, Enviva will release an enhanced sourcing policy that renewed bold commitments to conservation, certification, and transparency.

Why did we revise our responsible sourcing policy?

- Our commitment to continuous improvement
- Reduce redundancy on our website and clarify our policy to stakeholders
- Extend policy
 - To apply more clearly to pellets we purchase from other manufacturers
 - To cover certain forest types, like longleaf, in our HCV policy
 - To address landscape-scale issues and opportunities
- Create a framework and process for expanded collaboration on verification, conservation, and restoration
- Establish a way to verifiably track progress on landscape-scale issues and opportunities

SOURCING REGIONS



THREE PILLARS OF SUSTAINABILITY

Certification



Care for the Forest Landscape



Transparency



CERTIFICATION

Enviva's manufacturing facilities are certified to industry-leading forest and biomass sustainability programs



Sustainable Forestry Initiative (SFI)

- SFI Certified Sourcing Certification
- SFI Chain of Custody Certification



Forest Stewardship Council (FSC)

- FSC Chain of Custody Certification



Programme for the Endorsement of Forest Certification (PEFC)

- PEFC Chain of Custody Certification



American Tree Farm System (ATFS)

- Independently Managed Group

Sustainable Biomass Program



TRACK & TRACE[®]

Sustainable biomass sourcing requires significant attention to detail. At Enviva, we hold ourselves accountable for responsible sourcing practices by tracking and publishing key metrics.

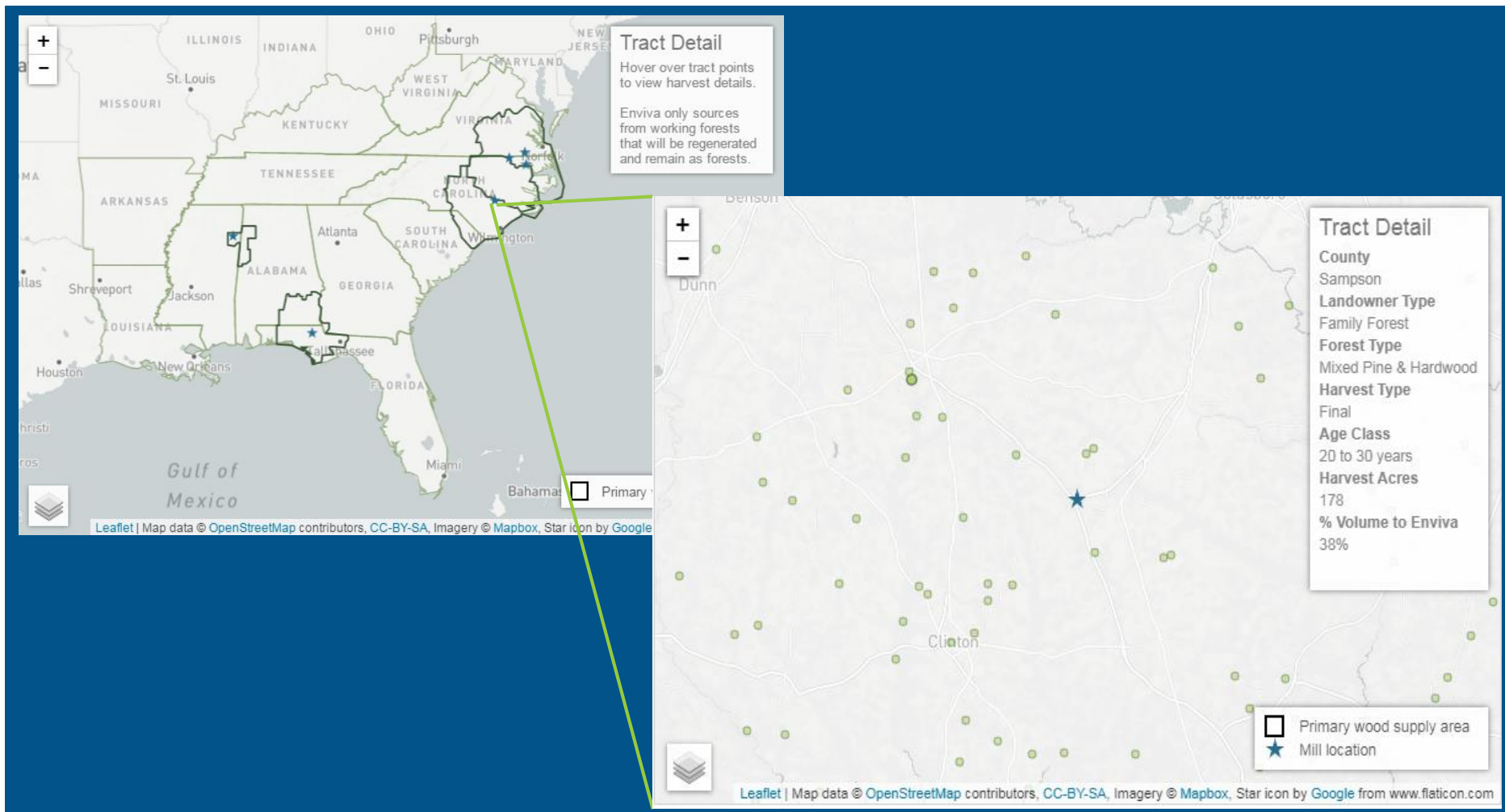
In January of 2017, Enviva launched Track & Trace, a proprietary and industry leading system for tracking our primary wood sourcing from forest or sawmill to facility.



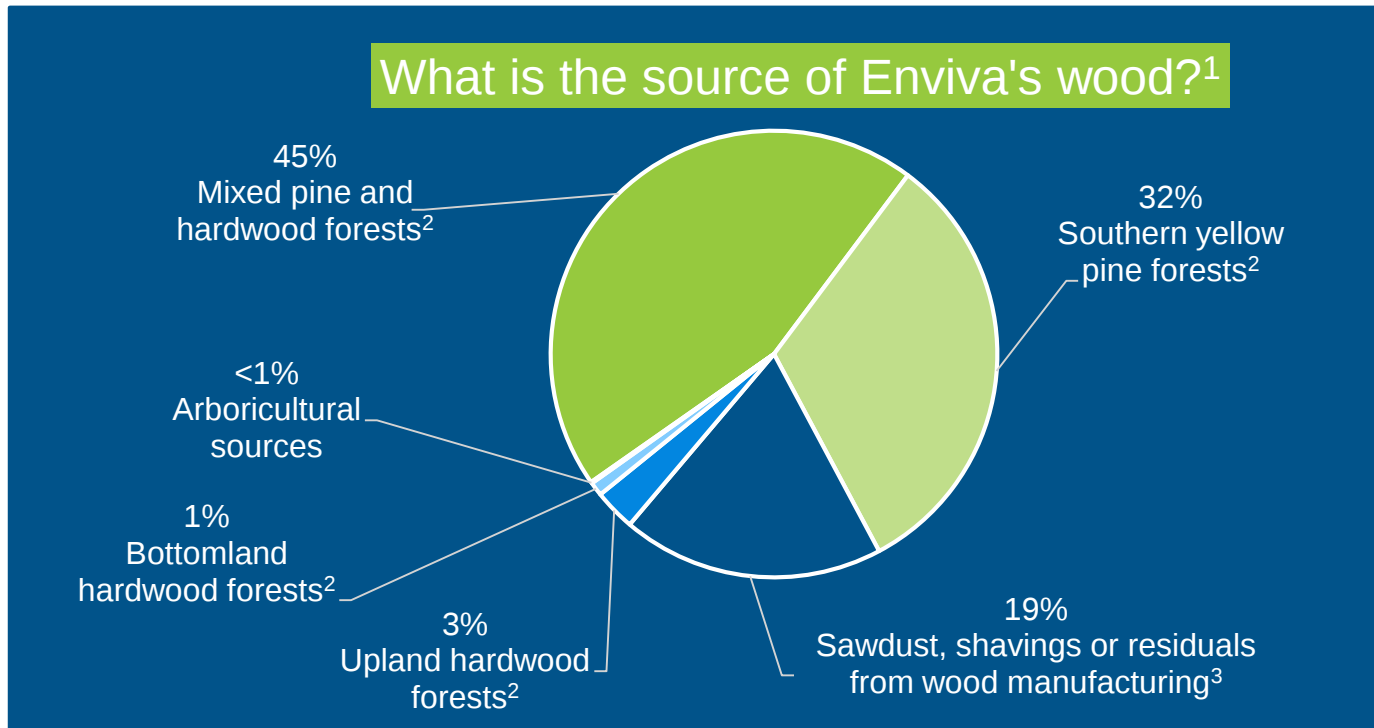
We publish the following information for each tract:

County	Landowner Type
Forest Type	Harvest Type
Age Class	Harvest Acres
% Volume to Enviva	Map Location

TRACK & TRACE[®] TRACT MAP



TRACK & TRACE[®] WEBSITE & FINDINGS



- The forest tracts were an average of 36 years old at the time of harvest
- And of that wood, 58% was hardwood and 42% was softwood

1) The information in this panel is based on wood supplied to current Enviva facilities during Q2 and Q3 2018

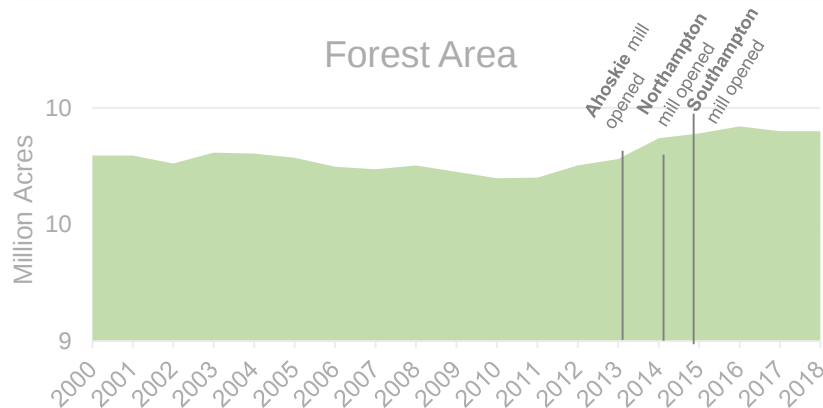
2) This wood consists of undersized or "understory" wood that was removed as part of a larger harvest; tops and limbs; brush and "thinnings" that were removed to make additional room for planted pines to grow

3) We can identify the individual production facilities that provided these materials

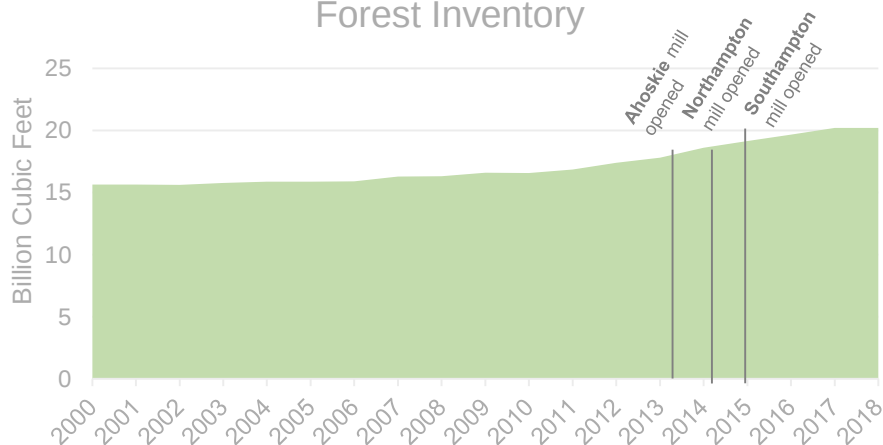
FORESTS IN ENVIVA'S SOURCING REGIONS ARE GROWING

Chesapeake Area Forest Supply Base

Forest Area



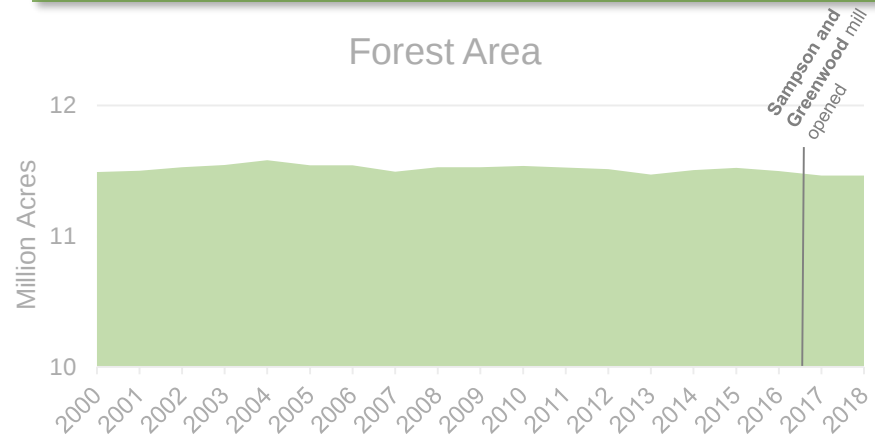
Forest Inventory



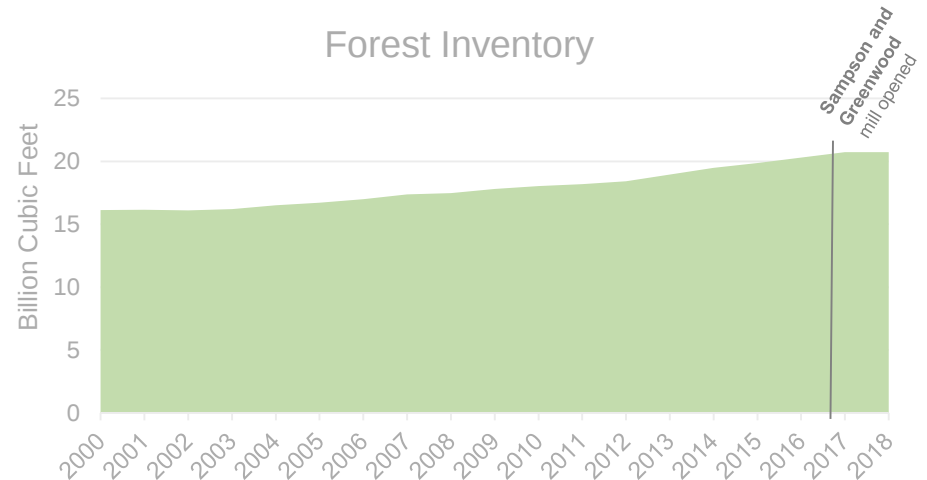
Chesapeake Sourcing Area: Counties in Virginia and North Carolina from which Enviva receives material for the Ahoskie, Northampton, and Southampton plants.

Wilmington Area Forest Supply Base

Forest Area



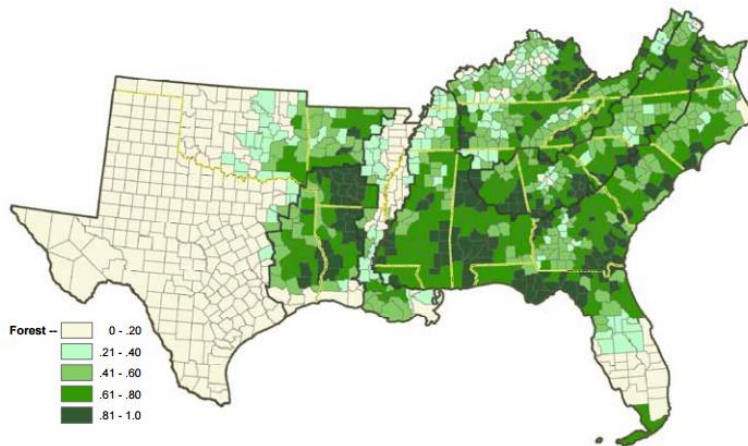
Forest Inventory



Wilmington Sourcing Area: Counties in North Carolina and South Carolina from which Enviva receives material for the Greenwood and Sampson plants. Hamlet will be included in this region.

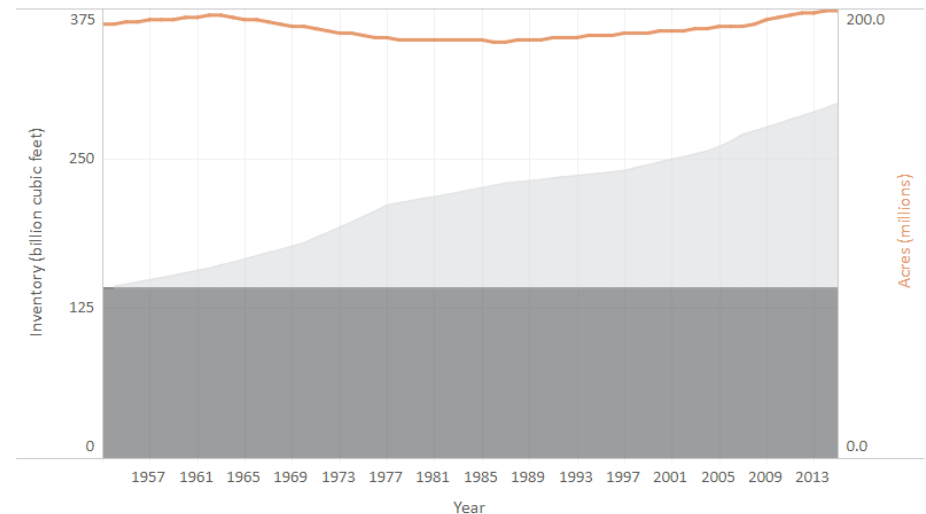
Source: US Forest Service Inventory and Analysis; North Carolina, South Carolina, and Virginia. 2000-2017. When FIA Data not available, previous year area and inventory assumed

CARBON STOCKS AND CARBON ACCOUNTING



PROPORTION OF COUNTIES IN FORESTLAND USE¹

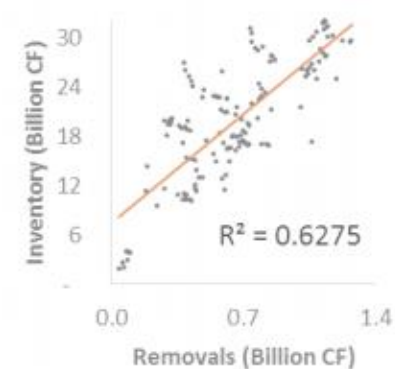
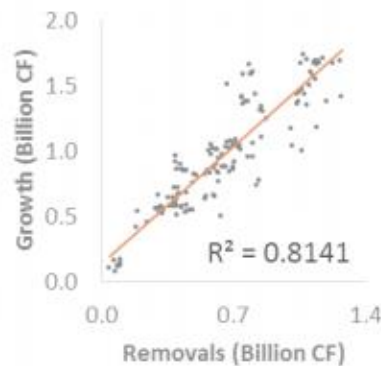
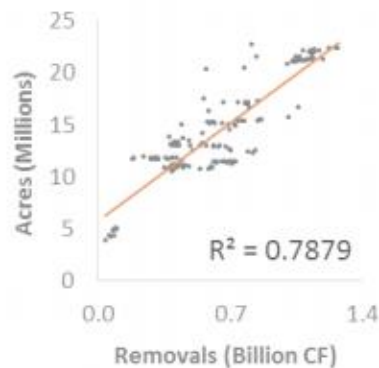
Figure 1. Annual Timberland Acres and Growing-Stock Inventory, 1953-2015 - US South



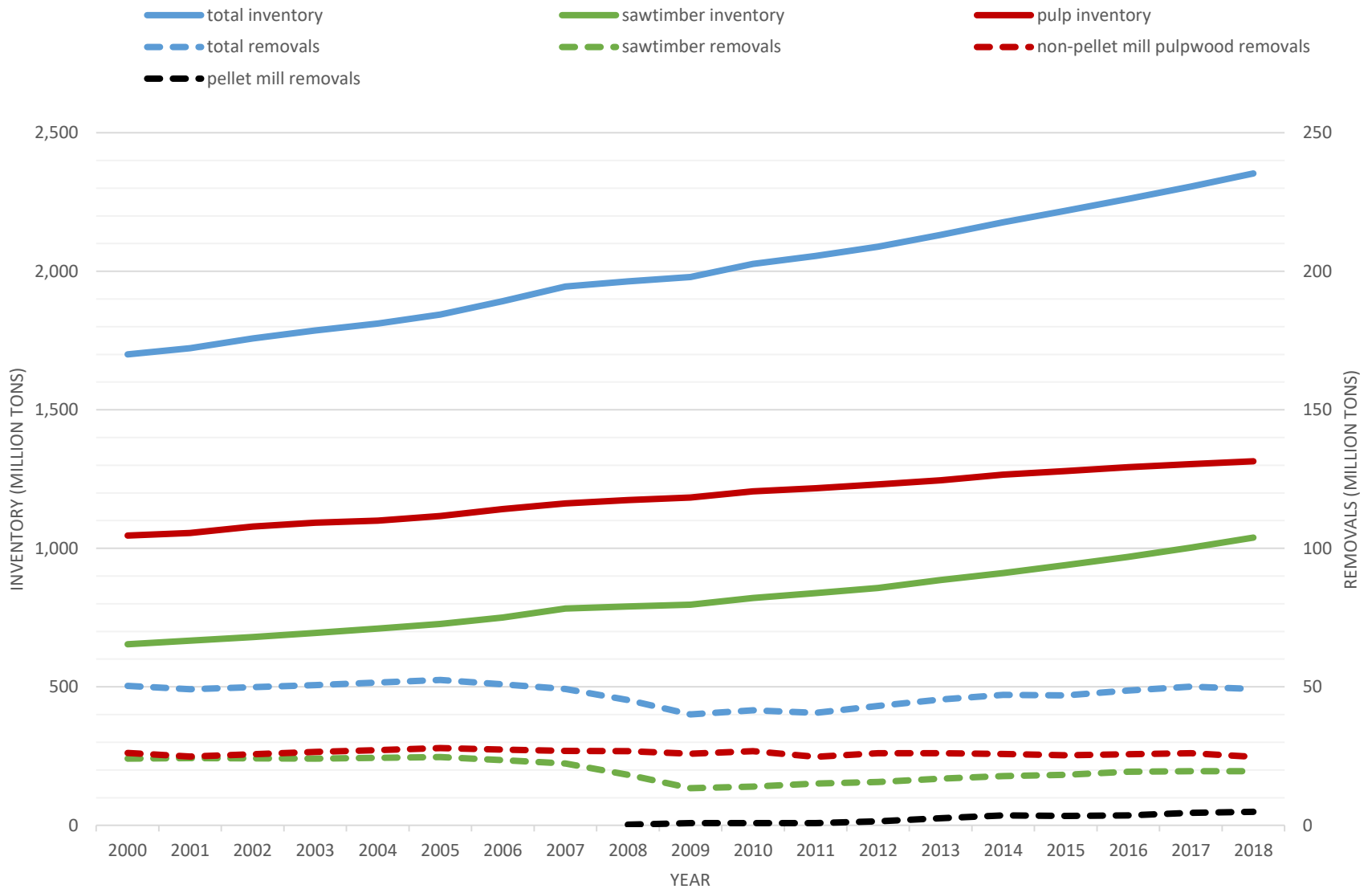
Between 1953 and 2015, the amount of timberland in the US South increased around 3 percent. Despite this relatively stable land base, inventory more than doubled (+108 percent) due to significant increases in forest productivity.

Data Sources: US Forest Service Resources Planning Act reports, Forest2Market estimates.

Removals vs. Acres, Growth and Inventory



All regions total inventory & removals



RISKS ARE INHERENTLY LANDSCAPE-SCALE PHENOMENA

Risks

- HCV sourcing
- Land use change
- Forest type conversion
- Carbon stock decline

Mitigation measures

- HCV tract assessment process
- Spot checks and ongoing monitoring
- To be developed
- Landscape-scale FIA data

- How do we identify risk?
- How do we mitigate risk for our primary supply? For our secondary supply?
- How do we monitor compliance?

FSC CONTROLLED WOOD NATIONAL RISK ASSESSMENT

