Forest Carbon Report: Alabama

Quick Facts on Forest Carbon

- Alabama has 23.1 million acres of forests and is 71% forested.
- Alabama forest carbon stocks have increased by 29% from 1990 to 2019.
- Average carbon density in aboveground trees across Alabama forests is 24.2 US tons per acre.

- In Alabama, forests, urban trees, and harvested wood products:
  - Remove 41% of all CO₂ emissions in the state.
    (Across the US, this value is 14%.)
  - Store the equivalent of 47 years of all CO₂ emissions produced in the state.

Carbon Definitions

- **Carbon pool**: a component of the forest that can gain or lose carbon over time
- **Carbon storage**: the amount of carbon retained in a forest and/or carbon pool
- **Carbon sequestration**: the process by which trees and plants use carbon dioxide and photosynthesis to store carbon as biomass

Units: Forest carbon is typically expressed in US tons per acre or metric tons (1 metric ton = 1.10 US tons)