**Forest 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).

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**Quick Facts on Forest Carbon**

- Maine has 17.6 million acres of forests and is 89% forested.
- Maine forest carbon stocks have increased by 5% from 1990 to 2019.
- Average carbon density in aboveground trees across Maine forests is 20.9 US tons per acre.

- In Maine, forests, urban trees, and harvested wood products:
  - Remove 79% of all CO₂ emissions in the state. (Across the US, this value is 14%.)
  - Store the equivalent of 334 years of all CO₂ emissions produced in the state.

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