**Forest Carbon Report: Washington**

### 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).

### Quick Facts on Forest Carbon
- Washington has 22.2 million acres of forests and is 52% forested.
- Washington forest carbon stocks have increased by 6% from 1990 to 2019.
- Average carbon density in aboveground trees across Washington forests is 41.9 US tons per acre.
- In Washington, forests, urban trees, and harvested wood products:
  - Remove 29% of all CO₂ emissions in the state. (Across the US, this value is 14%.)
  - Store the equivalent of 122 years of all CO₂ emissions produced in the state.

### Sources