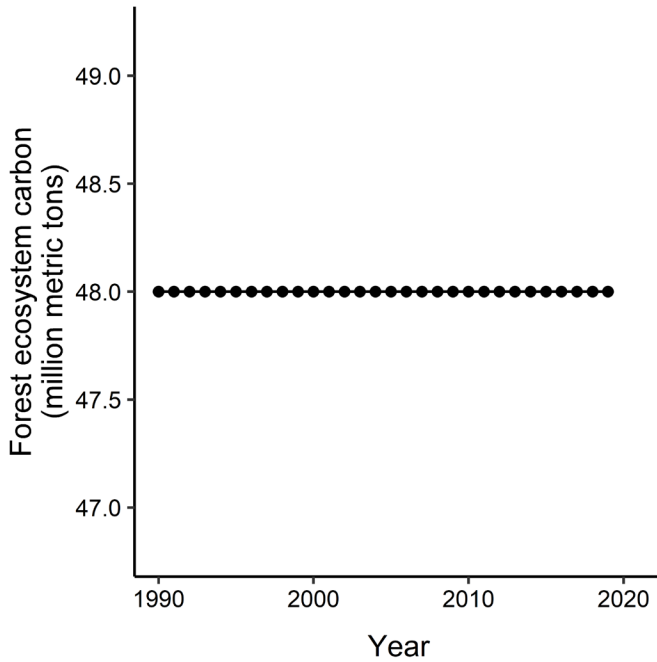
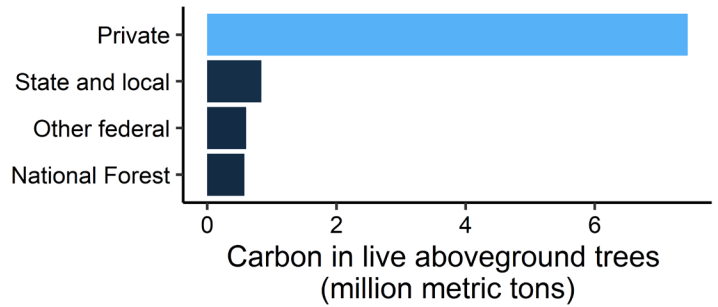




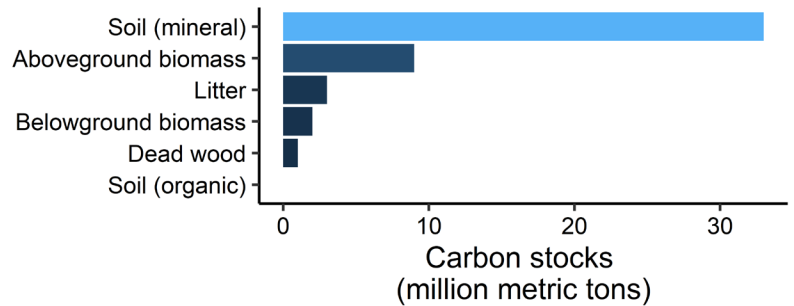
Trends in North Dakota



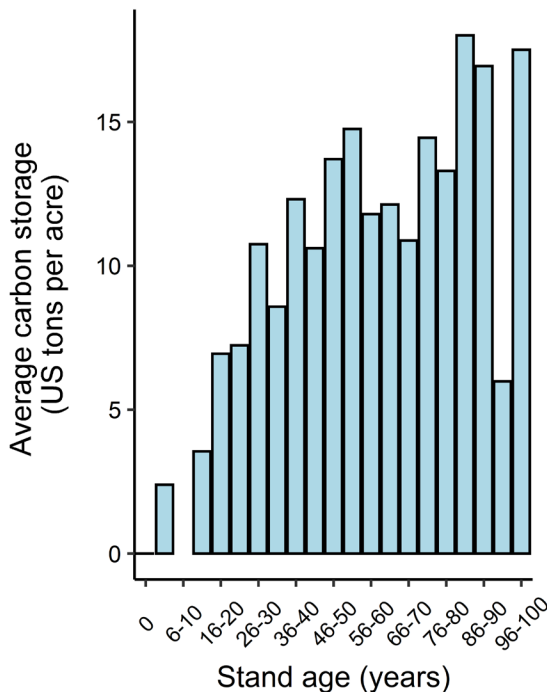
Carbon across ND ownerships



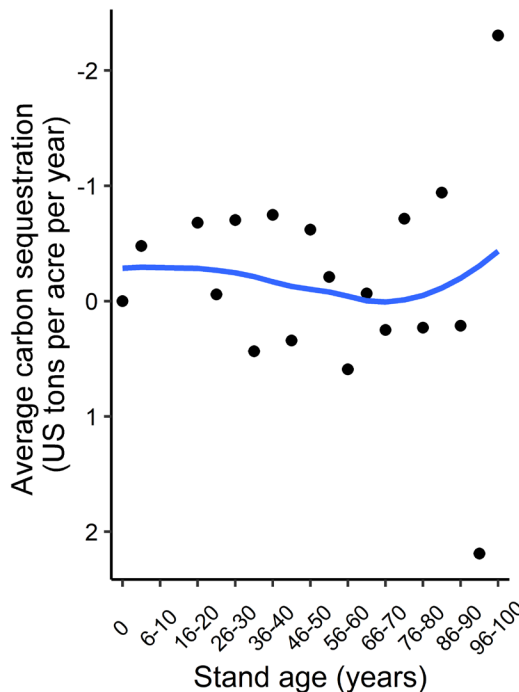
Carbon pools in ND forests



Carbon storage in ND



Carbon sequestration in ND



### 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

- North Dakota has 0.8 million acres of forests and is 2% forested.
- North Dakota forest carbon stocks have been stable from 1990 to 2019.
- Average carbon density in aboveground trees across North Dakota forests is 12.9 US tons per acre.
- In North Dakota, forests, urban trees, and harvested wood products:
  - Remove a minimal amount of all CO<sub>2</sub> emissions in the state after taking into account forest mortality. (Across the US, this value is 14%.)
  - Store the equivalent of three years of all CO<sub>2</sub> emissions produced in the state.