

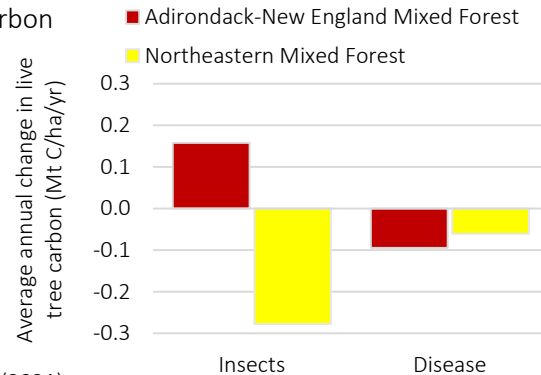
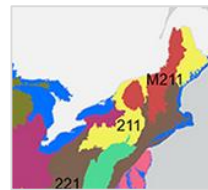
Resilient forest carbon

- Management for forest carbon needs to include considerations for forest resilience and adaptation to climate change
- Need to ensure that carbon can be sequestered by the forest in the future

“Forest Resilience”
The capacity of a forest ecosystem to withstand and recover from climatic events, trends, and disruptions.

“Forest Adaptation”
Reducing the vulnerability and advancing resilience through enhancements to, or avoiding degradation of, forests.

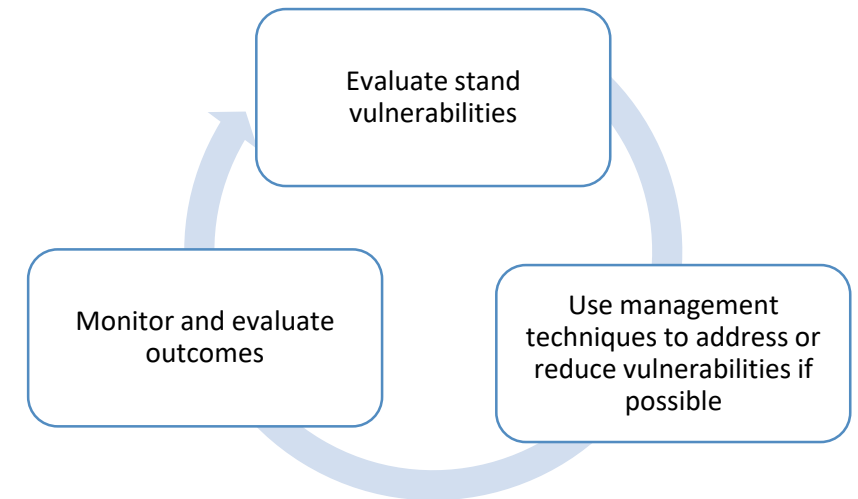
Insects and diseases already have a large impact to forest carbon



Source: Quirion et al. (2021)

May see changes to:

- Species composition
- Frequency/intensity of disturbances
- Changes in growth rates
- Altered insect and disease dynamics
- Poorer regeneration success
- Hydrology
- Invasive plants



There are many areas in the region where sufficient regeneration is lacking

