



Adaptive Silviculture For Climate Change In The Driftless Area



Caption 2: The Wisconsin DNR Silviculture team and the ASCC study collaborators. Photo Credit: Wisconsin DNR.

Principal Investigators & Partners

- Wisconsin DNR
- Miranda T. Curzon, Iowa State University
- Iowa DNR
- Minnesota DNR

Timeline

- Launch – April 2020
- Expected Completion Date – 2040
- Status – Ongoing

Contact Information

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Project Overview

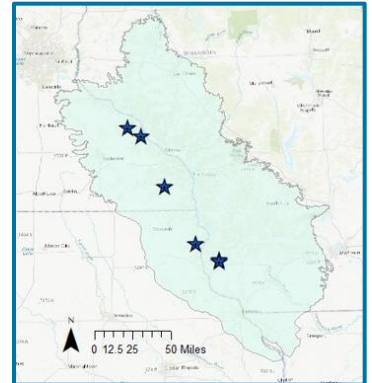
The Driftless Area Adaptive Silviculture for Climate Change (ASCC) Project is a multi-state collaborative project between Iowa, Wisconsin, and Minnesota. It is designed to study long-term ecosystem responses to a range of climate adaptation strategies in the oak-hickory forests of the Driftless Area. The Driftless ASCC is part of a larger network of research sites in different forest ecosystems throughout the United States and Canada. The primary goal of ASCC is to provide forest managers with robust examples of how to integrate climate change adaptation into silvicultural decision-making and on the ground actions.

Key Points

- ASCC studies follow a common framework (i.e., resistance, resilience, transition) of silvicultural treatments designed to foster adaptation to the impacts of climate change.
- ASCC treatments are tailored to meet site-specific conditions and are designed by an expert panel of regional scientists and local managers.

Management Implications

- Driftless ASCC will help local managers and landowners select treatments that best maintain the health and resilience of their oak-hickory forests.
- Driftless ASCC will also investigate reforestation with seed sources and species projected to be adapted to future climates.



Caption 1: ASCC study sites in the Driftless area of Wisconsin, Iowa and Minnesota. Photo Credit: Wisconsin DNR.