

Adapting Great Lakes Forest Management and Restoration in Light of Climate Change

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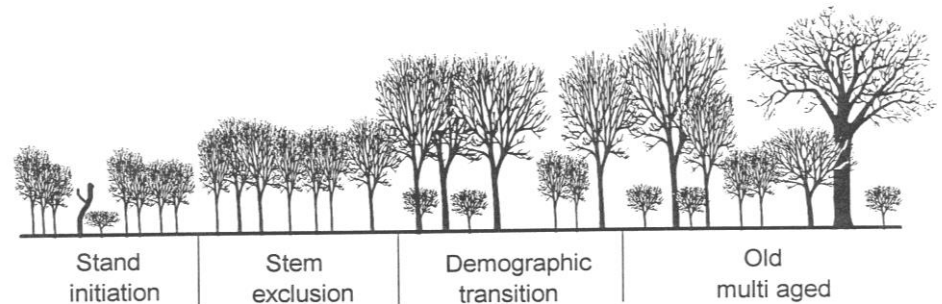
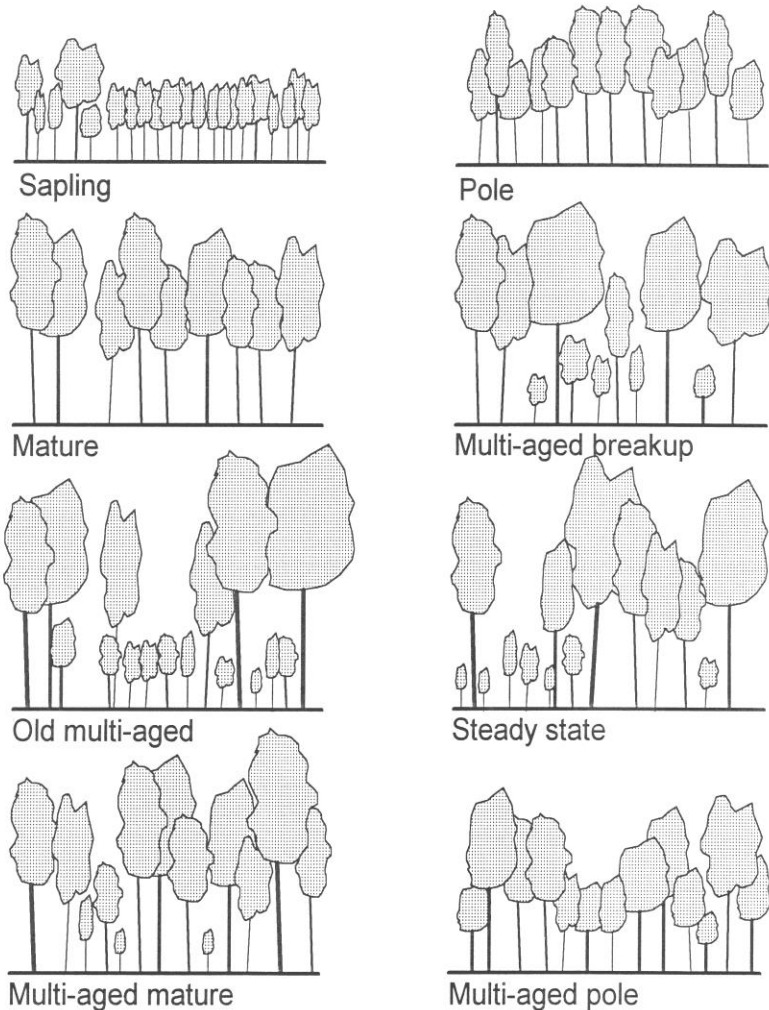
Why Northern Forests?

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- Air Quality, Carbon Sequestration
 - Water Quality, Buffering and Filtering Fresh Waters
 - Critical Habitat for Species and Biodiversity
 - Centers of Commerce and Recreation, Ecosystem Services

Forest Restoration 101



Forest Succession



From Frelich 2002, *Forest dynamics and disturbance regimes*
Cambridge University Press

Restoration and Conservation Goals

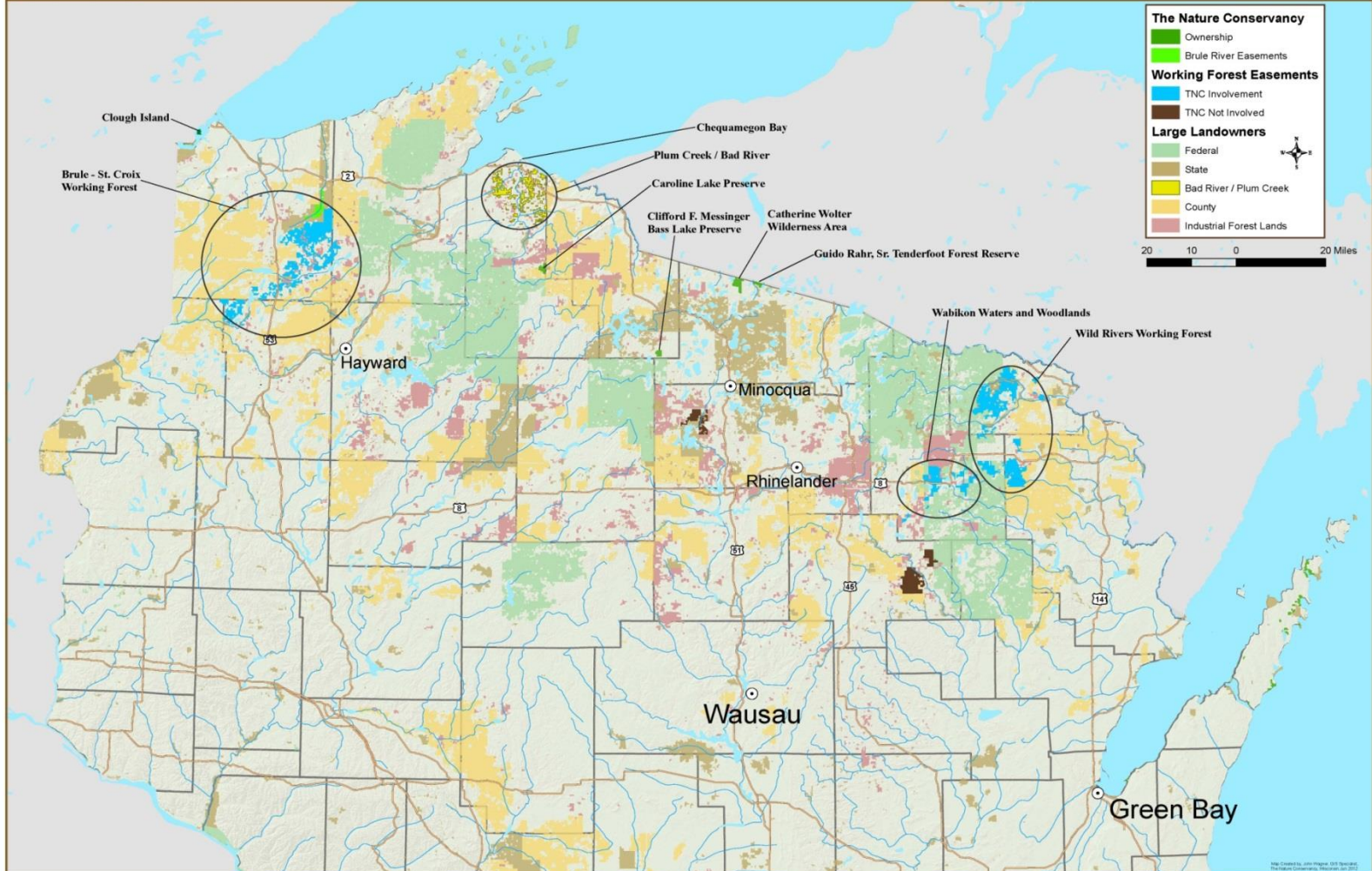
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- Restore and enhance ecological integrity of the forest
 - Promote and protect local jobs and timber economy through sustainable forest management
 - Protect fresh waters and watersheds at the landscape level
 - Establish partnerships and demonstrate practices

Bringing it to Scale



From Site to System

Conservation in Northern Wisconsin



Threats to Our Work

- 
- Climate Change
 - Invasive Species
 - Parcelization and Fragmentation

Climate Change - Impacts

- Species Shift
- Extreme weather events
- Longer growing seasons



Climate Change - Solutions

- Using restoration techniques to promote diversity and future adapted species
 - Evaluating infrastructure and making improvements to protect water quality
 - Working with partners to educate and collaborate on “climate smart” management projects
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Questions?

