Forests and Climate Change Creating Climate Smart Woodlands

Kennebec Woodland Partners October 21, 2010

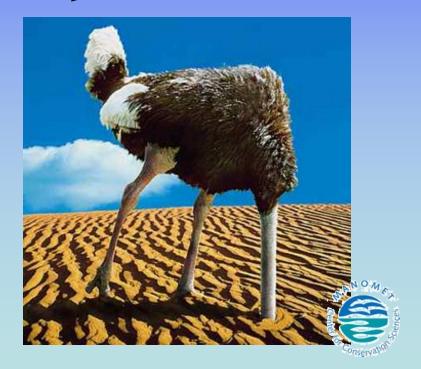
Ethel Wilkerson



Sustainable World

Climate Change







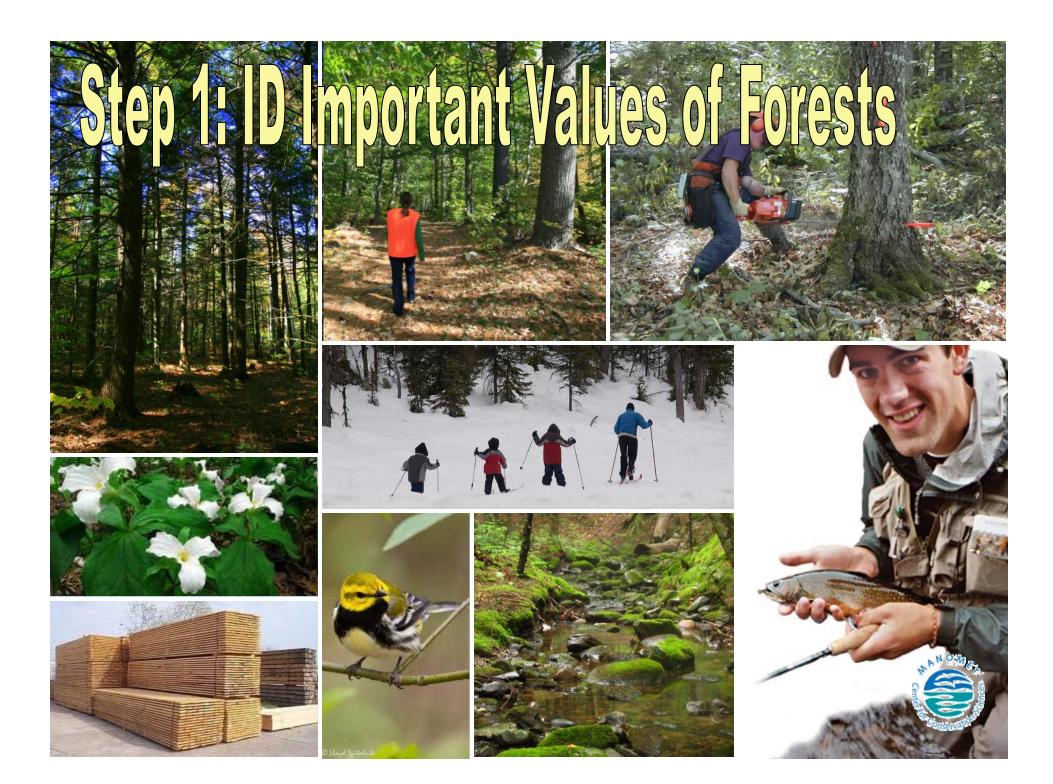


Key Steps 1) What values to you want to sustain?

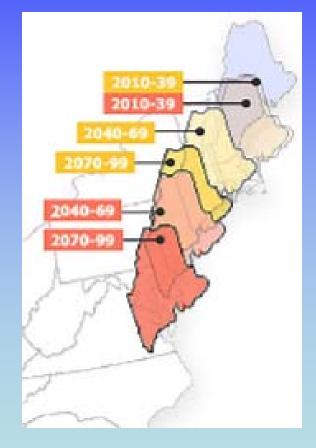
2) How are these values vulnerable to climate change?

3) What can we do about it?





Step 2: Vulnerability Assessment





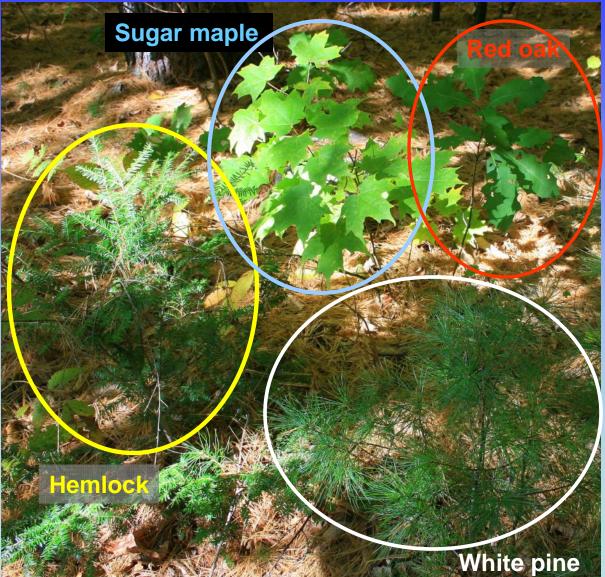


Step 3: Actions





Manage for the likely future of the forest

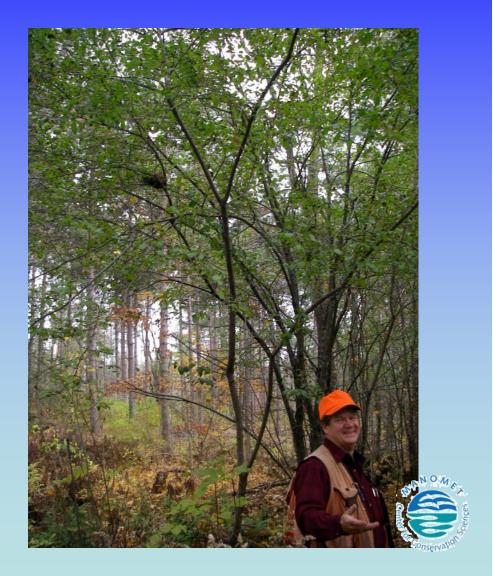




Regenerate native species

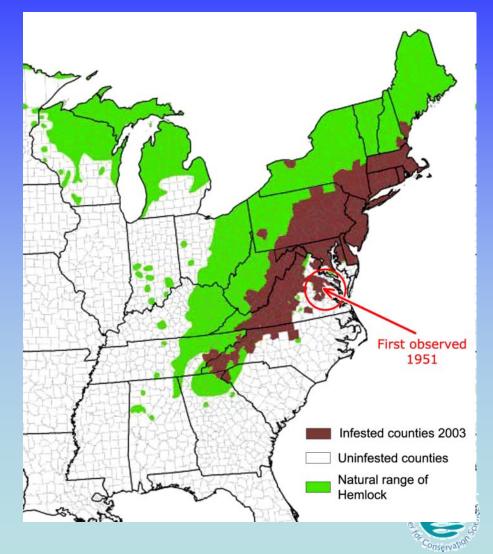






Track new threats





Diversify species & age classes





Allen-Whitney Memorial Forest: Climate Change Adaptation Plan

By: Ethel Wilkerson, Hector Galbraith, Andrew Whitman, Si Balch

Manomet Center for Conservation Sciences

Introduction

Working forests are a prominent and important feature of Maine's natural landscapes, and are critical to maintaining the state's natural resources, economy, and social customs. Successful management of these forests has long induded minimizing the effects of stressors such as disturbance events, invasive species, and pests. A new and important stressor, global dimate change has recently begun to exert its effects on New England's natural landscapes and species and is having local impacts on how Maine's forests grow, change, and need to be managed. To manage these resources successfully, we need to be able to *adapt* our management perspective, adaptation to climate change consists of developing strategies and management options that will help land owners and forest managers plan and prepare for the changing dimate to ensure that Maine's forests continue to provide benefits for future generations.

Climate change will alter many aspects of forests and forest management, and although managers and landowners cannot control the changes in dimate (i.e. warmer temperatures, altered predipitation, etc) we are not helpless in shaping the future condition of our

forestland. The goal of dimate change adaptation in working forests is not to stop changes in dimate or preserve the current composition of plant and animal species as they exist today, but to safeguard the ecological functions and diverse services and benefits provided by forestland. Understanding the potential impacts of dimate change on our landbase provides us with an opportunity to modify existing management practices and develop new management strategies to ensure that forestland continues to provide valuable habitat, a sustainable supply of forest products, and a safe and enjoyable place for people to recreate.

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Coming

Soon!!!



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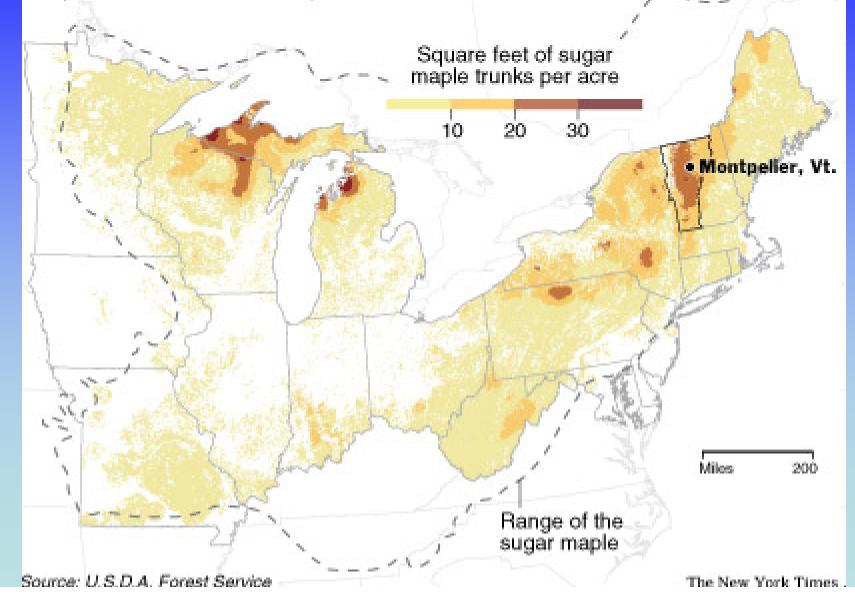


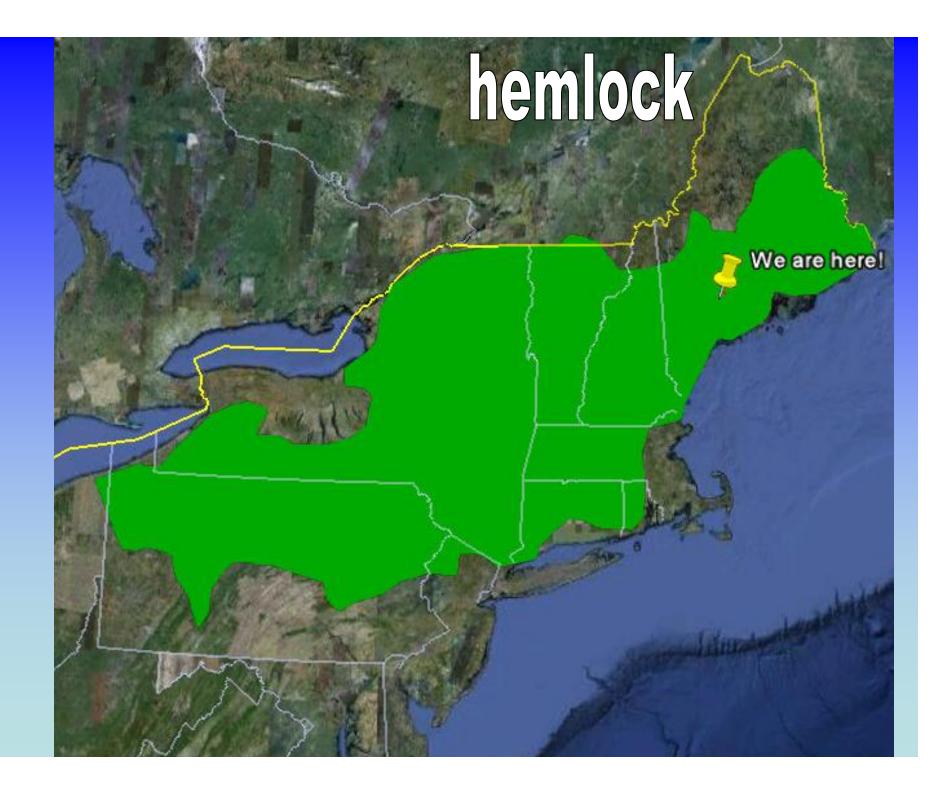
Science at Work

Special Thanks: Dorr Family Foundation New England Forestry Foundation

Sugar Maple Tree Distribution

Sugar maple tree sap, which can be processed into syrup, is generally collected when below-freezing nighttime temperatures and mild daytime temperatures cause the sap to flow.





Red oak

