Managing Forests Under Climate Change

The need to practice sustainable forestry

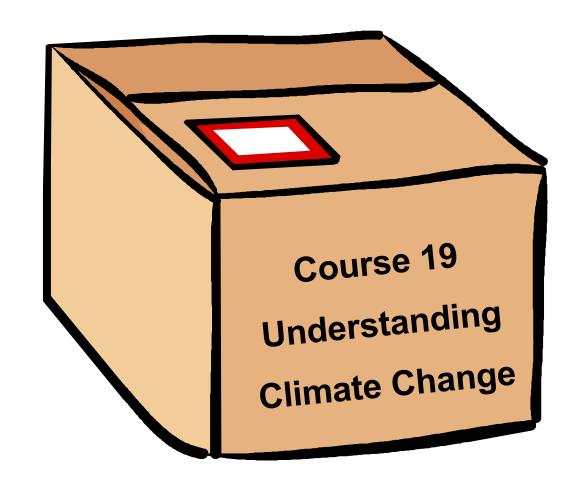
Another workshop in the Course-in-a-Box series of workshops

Developed by:

Mark Richardson
Project Forester
Eastern Ontario Model Forest

Managing Forests Under Climate Change

Another Course-in-a-Box



The need to practice Good forestry

Main Messages...

- 1)Don't overreact
- 2) Consistent messages to clients

- 1) Understand the topic, and the potential impacts
- 2) Know how it could affect your vision, goals and objectives
- 3) Know what to do about it... how to adapt to it



1) Understand the topic, and the potential impacts





Impact on woodlots...

Longer growing season

FFC – 2 extra weeks

Shorter winters

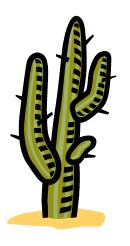
Syrup Producers – earlier first run

Winter harvest implications

"The times, they are a changing"

1) Understand the topic, and the potential impacts





Precipitation Trends

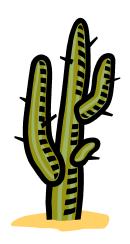
- Expected to be drier
- Seasonal variation is important
 - ~20% in warmer months
 - ~10 to 20% in colder months
- More erratic precipitation

1) Understand the topic, and the potential impacts



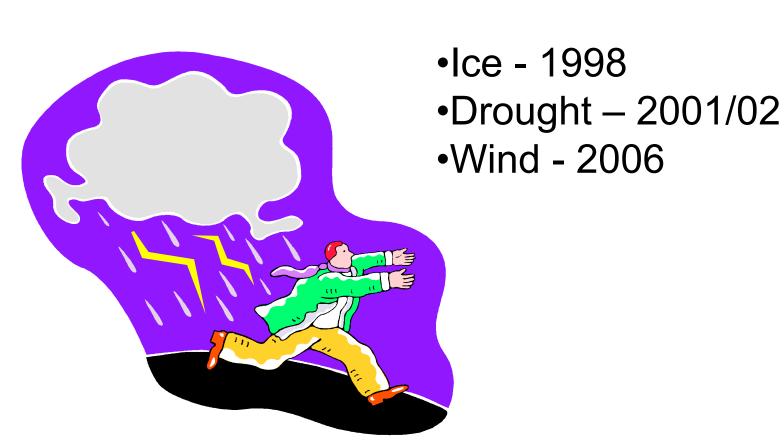
Woodlot implications...

- Dry sites are going to be drier
- Wet sites may be drier



1) Understand the topic, and the potential impacts

More extreme weather events

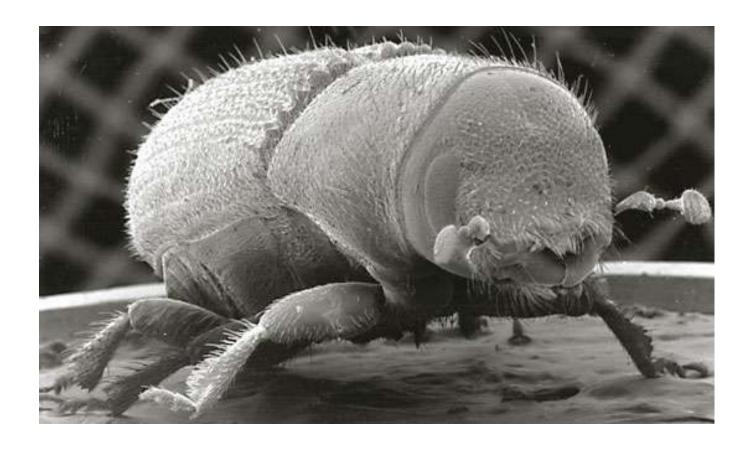


1) Understand the topic, and the potential impacts



May trigger other problems...

- More invasive species problems
- More native species problems



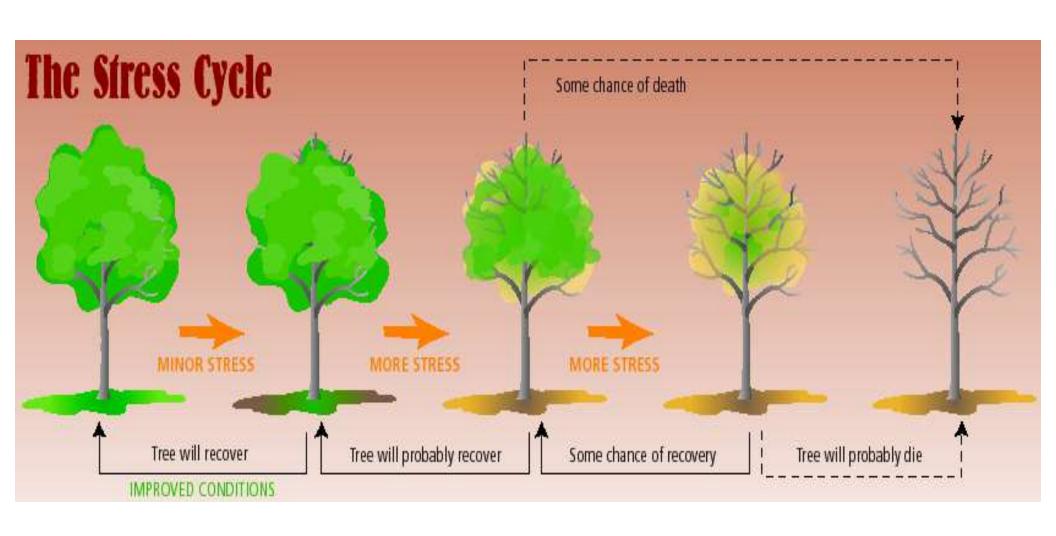
The insect that ate British Columbia

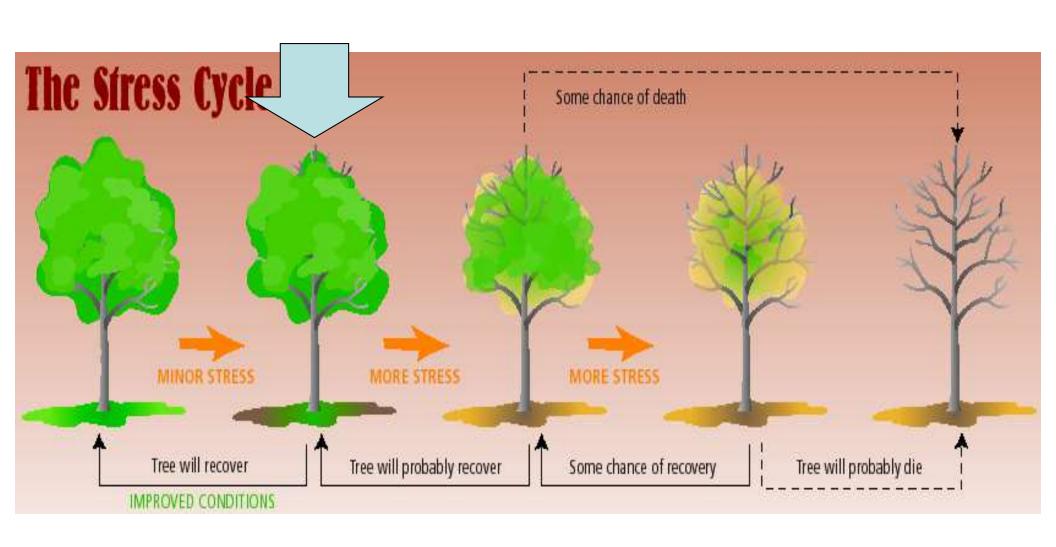


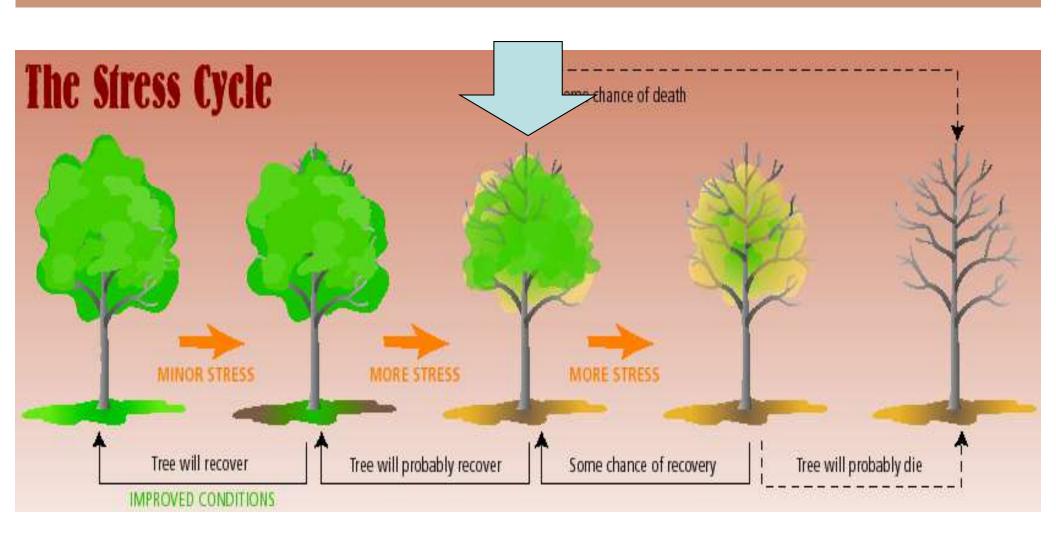




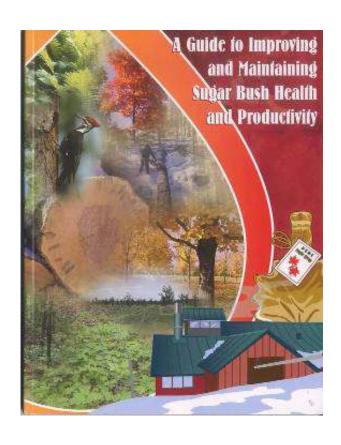


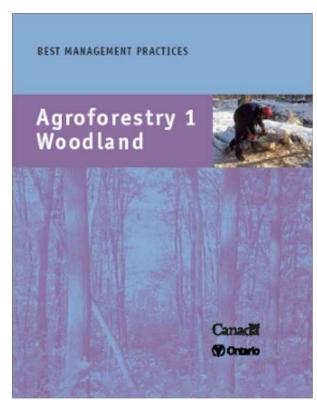


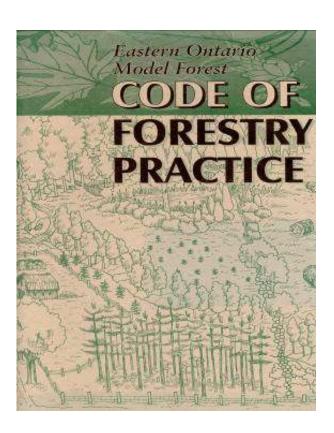




2) Know how these potential impacts could affect your vision, goals and objectives... your organization







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3) Know what to do about it



Be a good forest manager

Be aware of forest health trends

Don't promise miracles

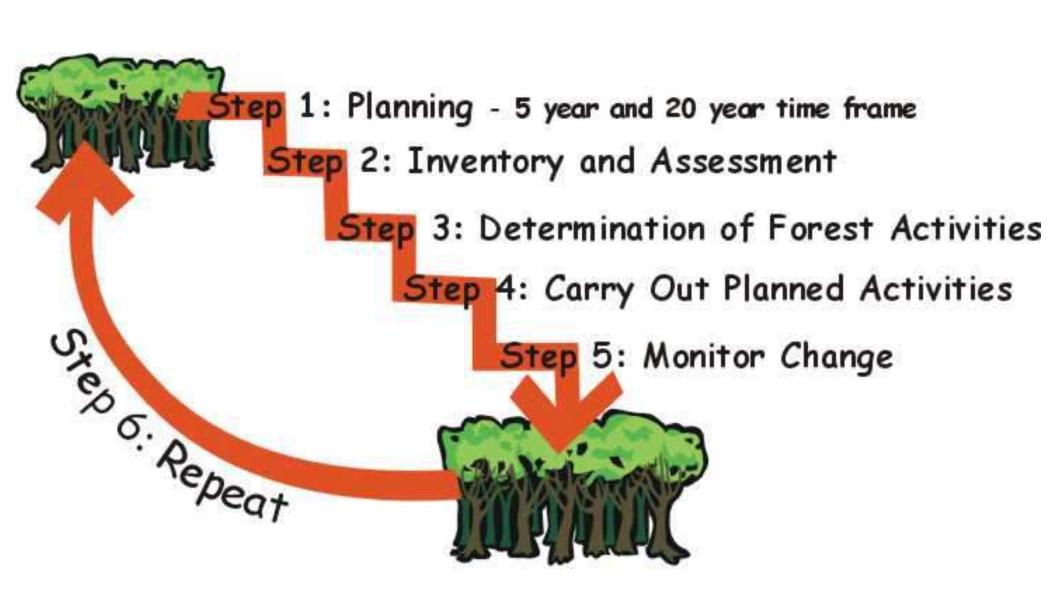
3) Know what to do about it

Good Forest Management leads to:

- achieving goals
- a healthy, productive and diverse forest



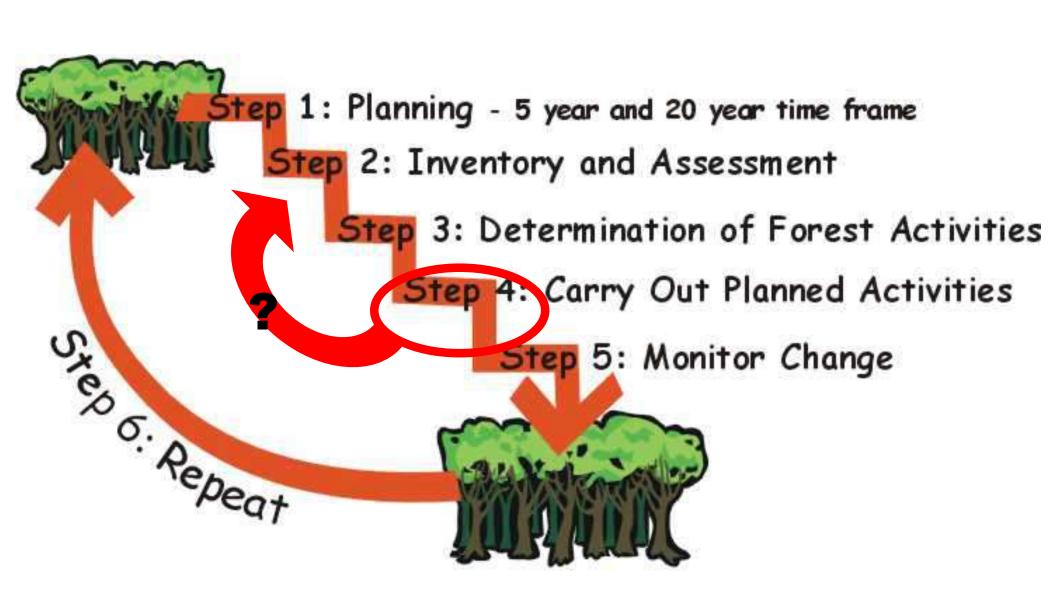
3) Know what to do about it



3) Know what to do about it **Be a good forest manager**



3) Know what to do about it



3) Know what to do about it



Goals

Forest type
Age
Diameters
Special Features
Condition

Markets
Cost
Political wind
Volunteers & help

3) Know what to do about it



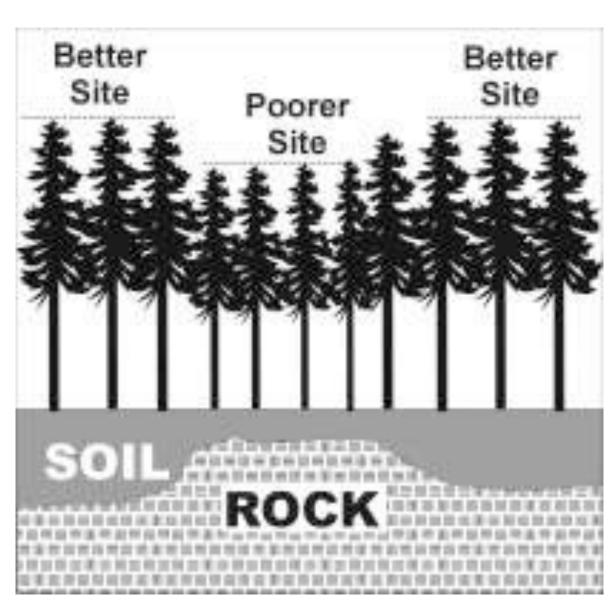
- 1. Climate
- 2. Site
- 3. Genetics
- 4. Past Mgt Efforts

3) Know what to do about it

Site

Soil Depth and 'Quality'

Texture, Moisture Regime & Fertility



3) Know what to do about it

Increase the importance of 'Site' in the management equation

Just because it is a maple stand now does not necessarily mean that it is a good site for maple

3) Know what to do about it

When making management decisions...

- Recognize ...
 - The vulnerability of poorer sites
 - The potential of good sites
- Have management goals which are realistic

Message: the need for a consistent message ...

Emphasis...

More on improving health, less on improving bottom line

Means....

Extension - forms like this one

Research - people like Dan

Advocacy - forest health and good management

Resources – programs & opportunities

Questions

A changing climate is the perhaps strongest reason why we need to make sound management decisions which are grounded in science and driven by the need to protect the forest health continuum