

# Northeast Landscape Plan Update Trends Exploration

University of Minnesota

Boreal Forest and Community Resilience Project

June 12, 2012



# Overview

Trends Exploration Exercise overview

Key trends from earlier discussions

Trends in context



# Purpose



Draw on **data** and **information** presented thus far + **integrate with stakeholder knowledge**

**Synthesize** key trends relative to northeast landscape

**Identify and prioritize** key trends and implications to focus on in the Northeast Landscape Plan Update

# Outcomes

Learn about each others' perspectives

Build a base of support for plan implementation

Have fun

# Plan Context

**Issues and Assets** – background info, data, maps

**Trends** – ecological, economic, social, and administrative

**Policy Direction** – DFCs, goals, objectives

**Coordination and Implementation** – approaches and strategies

**Monitoring and Evaluation** – methods and reporting protocols

*integration*  
*synthesis*  
*identification*  
*prioritization*



# Agenda Overview

## 11:00 | **Summary of trends and workshop overview**



What have heard thus far? What are we going to do?

## 11:20 | **Lightning trends exploration**

What are key trends and implications in the northeast landscape?

*(lunch break included)*

## 2:20 | **Prioritizing top trends and implications**

What is the timing of likely impacts and which trends are most relevant to the Northeast Landscape Plan Update? *(keypad voting)*

## 3:00 | **Outcomes and uncertainties discussion**

What does this all mean? Is there anything that we don't know?

# Key Trends

## Presentations

Economic, ecological, recreation, tribal, demographics, development, climate change, water and fisheries, wildlife

Worksheets highlighted your perspectives

Today – **adding your insights** for further synthesis and vetting of trends



# Key Trends

## Summary of trends *(handout)*

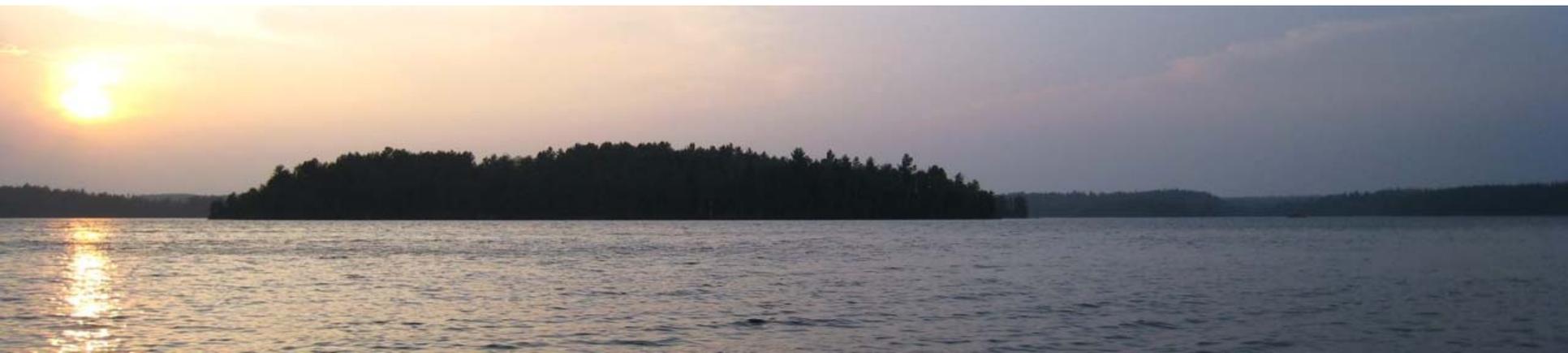
Directly draws on your language – some inconsistency, responses not required

Snapshot based on information presented

Little to no vetting/synthesis thus far

Some overlap in trends across topics – e.g. climate change

*Summary intended as starting point for conversation*

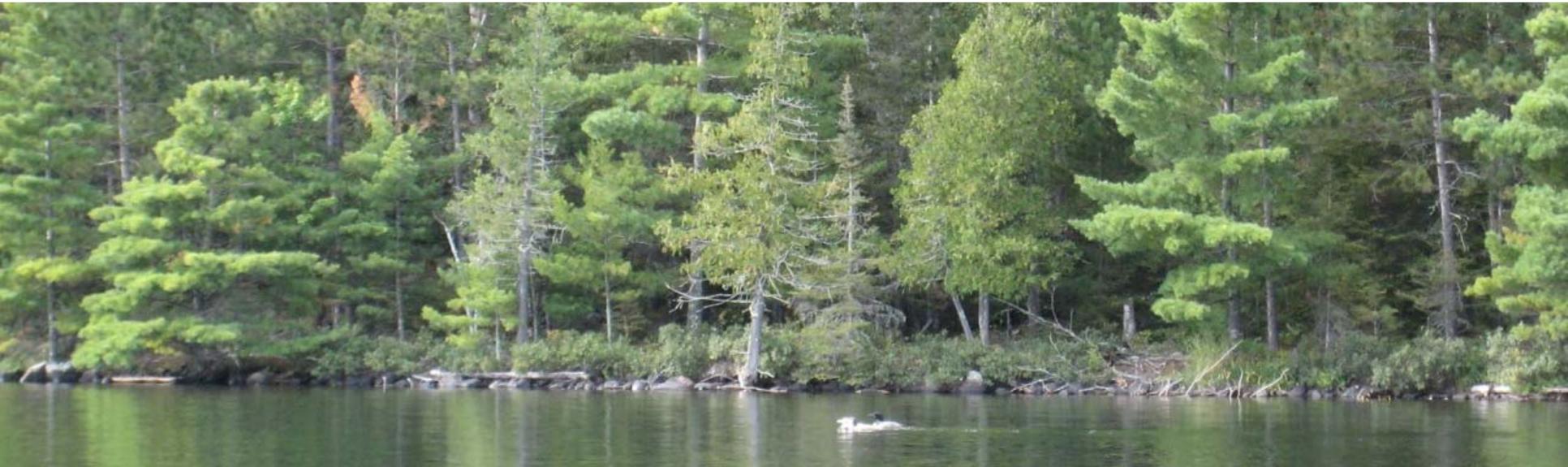


# Key Trends | Economic

Forest products industry is changing – increased production, decreased jobs, change in markets

Tourism is high/big – lower paying jobs

Mining is largest sector



# Key Trends | Ecological

Many changes in forest composition due to various disturbances (human and natural)

Lack of quality, consistent data to understand what is going on + implications



# Key Trends | Recreation

Decrease in participation in most recreation activities, except motorized

Decrease in recreation/tourism jobs + resorts

Shift from fishing/hunting to more passive activities



# Key Trends | Demographic

*Tribal trends not explicitly asked – losing lands, alternative forest management*

Most growth in Carlton County, though overall decline in population

Aging land owners

Timber, mining, and tourism remain major sources of employment – healthcare growing



# Key Trends | Development

Parcelization continues

Changing land use and ownership

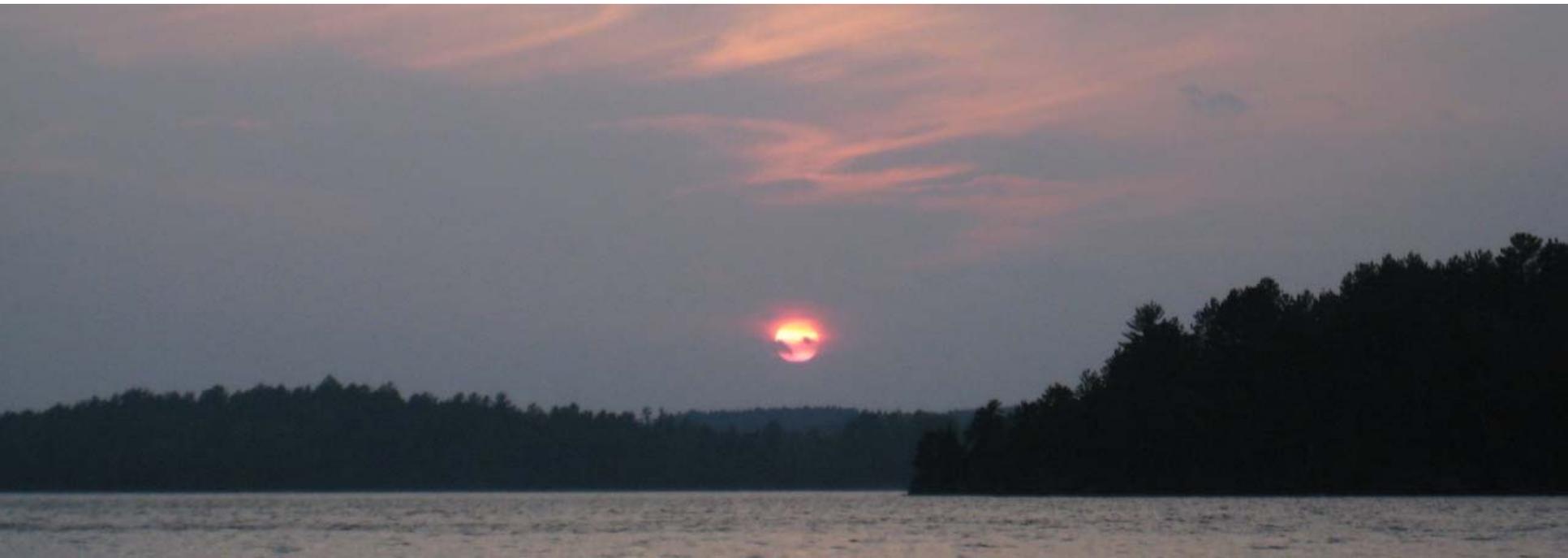


# Key Trends | Climate change

More extreme weather events

Warmer winters

Change in forest species



# Key Trends | Water and fisheries

Warmer waters

Change in fish population



# Key Trends | Wildlife

Decline in moose population

Change in forest results in change in wildlife



# *Lightning* Trends Exploration Discussion

Opportunity to explore trends and implications in key topic areas

Participate in three topical discussions

Identify additional topics for discussion

Structured discussions to explore a wide range of information and perspectives



# *Lightning* Trends Exploration Discussion

Step 1: Participants review and propose discussion topics

Up to 12 topics, participate in 3 discussions

Potential topics pre-identified – based on previous presentations

Step 2: Proposers facilitate discussions of issues in round 1

Step 3: Proposers facilitate discussions of issues in round 2

Step 4: Proposers facilitate discussions of issues in round 3

Step 5: Staff identify top trends for voting and discussion



# *Lightning* Trends Exploration Discussion

3 rounds of discussion (30 minutes each)

First 5 minutes – individual brainstorming about *trends and implications* using worksheets

Next 20 minutes – facilitator leads discussion of *trends and implications*

Last 5 minutes – discussion participants identify top 3 *trends* (using dots)

- \* *Participants can rotate within a discussion round*
- \* *Participants define the scope of the topic – may be overlap in trends and implications*
- \* *All discussion notes will be summarized + shared*

# *Lightning* Trends Exploration Discussion

## Questions:

What are the **key trends** relative to this topic that might be relevant to the *Northeast Landscape Plan Update*?



What are the **implications** of each of these trends in the *northeast landscape*?



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# *Voting* on Trends and Implications

Drawing on top trends from Lightning discussion

## Questions:

For this trend, what is the **crucial time frame** in which the identified implications are likely to occur (in years)?

*(responses = 1-10, 11-20, 21-50, 51-100, more than 100, don't know)*

How **important is it to address this trend** and its implications in the Northeast Landscape Plan Update? *(responses on scale of 1 – not important to 10 – very important)*



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# *Outcomes* and *Uncertainties* Discussion

## Questions:

Is there anything that **surprised you** related to the results of the discussion?

Are there important **trends that are missing** from these topical areas that need to be addressed?

Among the trends identified by the groups, where is there **significant uncertainty about the trend** or its potential implications and what is the **source of that uncertainty**?

