

The background of the slide is a scenic photograph of a forest. The top half shows a dense canopy of trees with some autumn-colored leaves (yellows and oranges) visible against a bright sky. The bottom half shows a river or stream flowing through the forest, with rocks and fallen logs in the water. The water is clear, reflecting the surrounding greenery and sky. The overall atmosphere is peaceful and natural.

Early Successional Habitat Management on Eastern Region National Forests

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Map of the Eastern Region





Forest Lands

STATE	TOTAL LAND AREA (1,000 acres)	FOREST AREA (1,000 acres)	FOREST AREA	PRIVATE LAND FOREST (% of forest land)	PUBLIC LAND FOREST (% of forest land)	NATIONAL FOREST (% of forest land)
Indiana	22,980	4,656	20%	86%	14%	4%
Illinois	35,608	4,525	13%	85%	15%	6%
Michigan	36,275	19,545	54%	63%	37%	13%
Minnesota	51,024	16,391	32%	46%	54%	12%
Missouri	44,093	15,078	34%	83%	17%	10%
Ohio	26,207	7,894	30%	91%	9%	3%
Wisconsin	34,791	16,275	47%	69%	31%	9%

Map of the Eastern Region



Chequamegon-Nicolet National Forests

Early Successional type: *aspen/birch*

Average treatment per year/Forest Plan Objective:

- Aspen – forest plan projected 3,700 acres
- 27% less than projected, 2,700 acres (2011)



Golden-winged warbler

What contributes or detracts from success:

- Capacity for Stewardship contracting
- + Partners associated with North Central Wisconsin Young Forest Initiative



North central Wisconsin Young Forest Initiative



- ❖ Forest management for grouse and woodcock habitat
- ❖ Early successional forests and shade intolerant tree types
- ❖ Increasing age class diversity of aspen
- ❖ Assists private landowners
- ❖ Wisconsin DNR, WMI, RGS, NRCS, private landowners, Forest Service, AFWA, counties

Superior National Forest

- Increase jack pine
- Early Successional types: *aspen/birch and jack pine*
- Average treatment per year/Forest Plan Objective:
 - *Approximately 2,800 acres of regeneration harvest per year*
 - *Forest plan objective = 10% young forest*
 - *2012 conditions = 13% young forest*



Superior National Forest

- What contributes or detracts from success:

+ Partners include Deer Hunter Association, Minnesota DNR

- Timber industry response to low quality forest and economic value of wood*
- Limited internal and external capacity for stewardship contracts*



Ruffed grouse nests

Superior National Forest

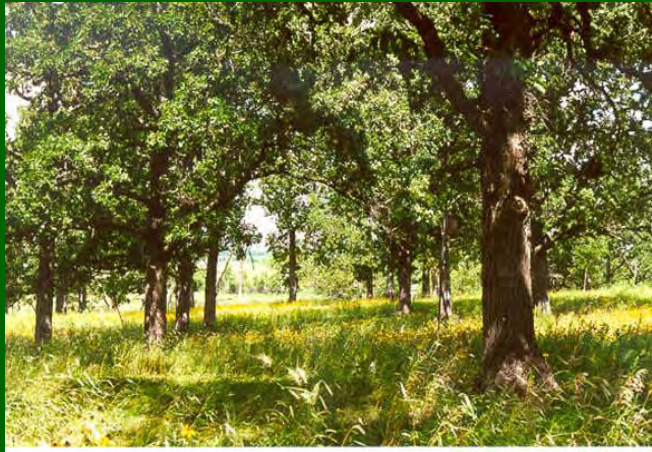


- ❖ Forest Plan focus on young forest
- ❖ Moose habitat
- ❖ Seven grouse hunter walking trails
- ❖ Collaborative projects

Current early successional forest management focused on moose population management

Wayne National Forest

- Early Successional types
- Average treatment per year/Forest Plan Objective:



Oak Forest



Early successional shrub type

3-6% herbaceous/shrub habitat

8% of early successional even-aged hardwood forests (<10 years)

Wayne National Forest

- What contributes or detracts from success/effort:
 - + Partnership for a shared biologist
 - + Treatment of Tree of Heaven projects
 - + Treatment of open lands
 - Need \$ for Tree of Heaven treatments prior to cutting any forests
 - Updated forest vegetation data needed



Tree of
Heaven –
invasive
species

Huron-Manistee National Forest

Early Successional types: aspen, jack pine, short-lived oaks, jack pine barrens, oak savannahs, forest openings

- Average treatment per year/Forest Plan guidance:
 - Aspen - 438 acres
 - Jack Pine – 1,629 acres
 - Short-lived Oak – 684 acres
 - Create barrens – 932 acres
 - 4-10% forest openings



Aspen Clearcut

Chestnut-sided warbler

Huron-Manistee National Forest

- What contributes to success:
 - Partners include Michigan Department of Natural Resources, Ruffed Grouse Society, National Wild Turkey Federation, Arbor Day Foundation, American Forests
 - Kirtland's warbler and Karner blue butterfly management
 - Ruffed Grouse Management areas
 - Markets for aspen and jack pine
 - Prescribed burning
 - Great Lakes Restoration Initiative



Karner blue butterfly habitat

Huron-Manistee National Forest

- What detracts from success:
 - Limited Capacity to plan and implement timber projects
 - Low value of jack pine and oak
 - Cost of follow up treatments; additional higher value timber, limits capacity for other early succession harvest



Jack Pine Regeneration



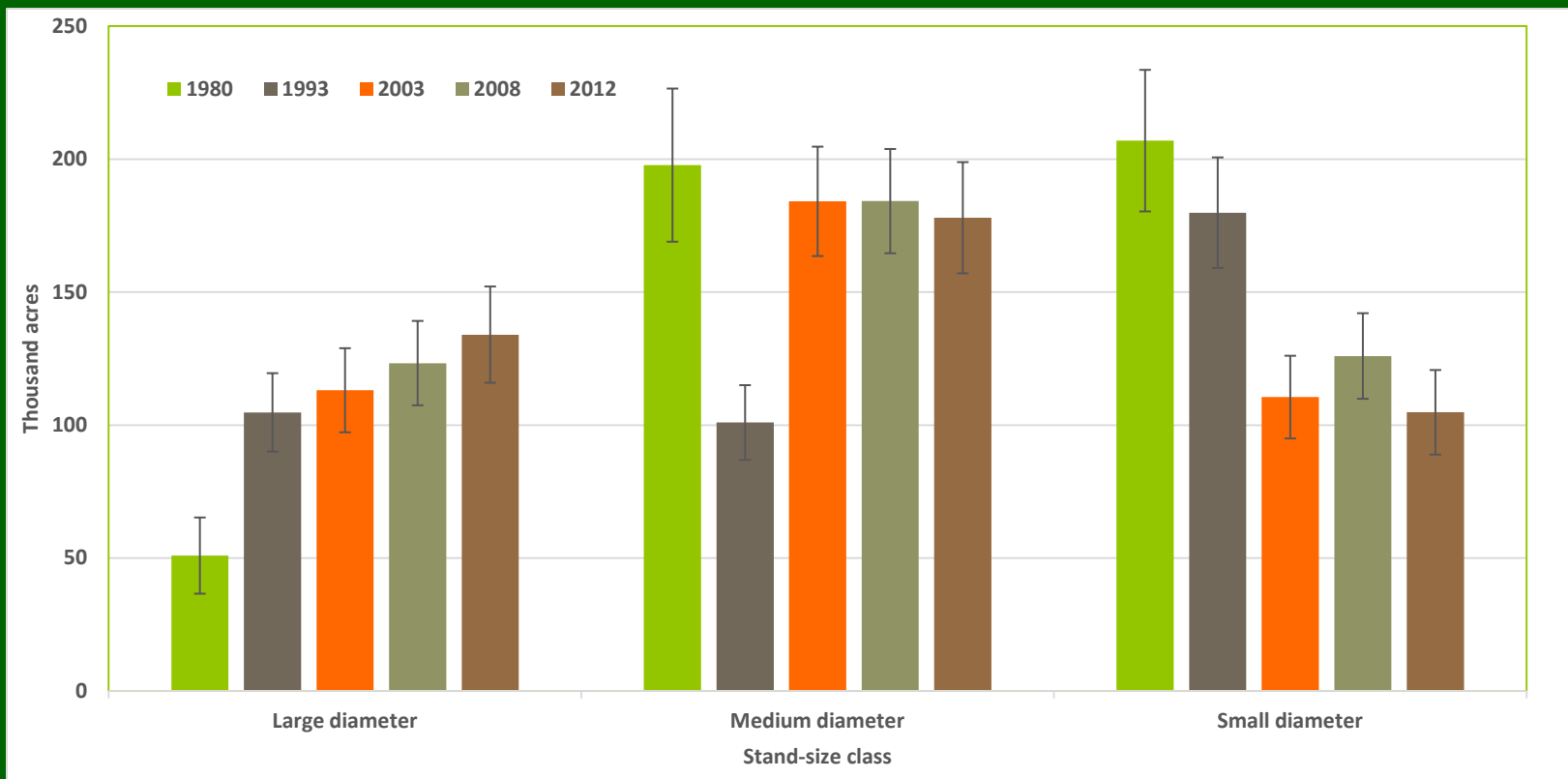
Huron-Manistee NF Early Successional



High Intensity Prescribed Fire

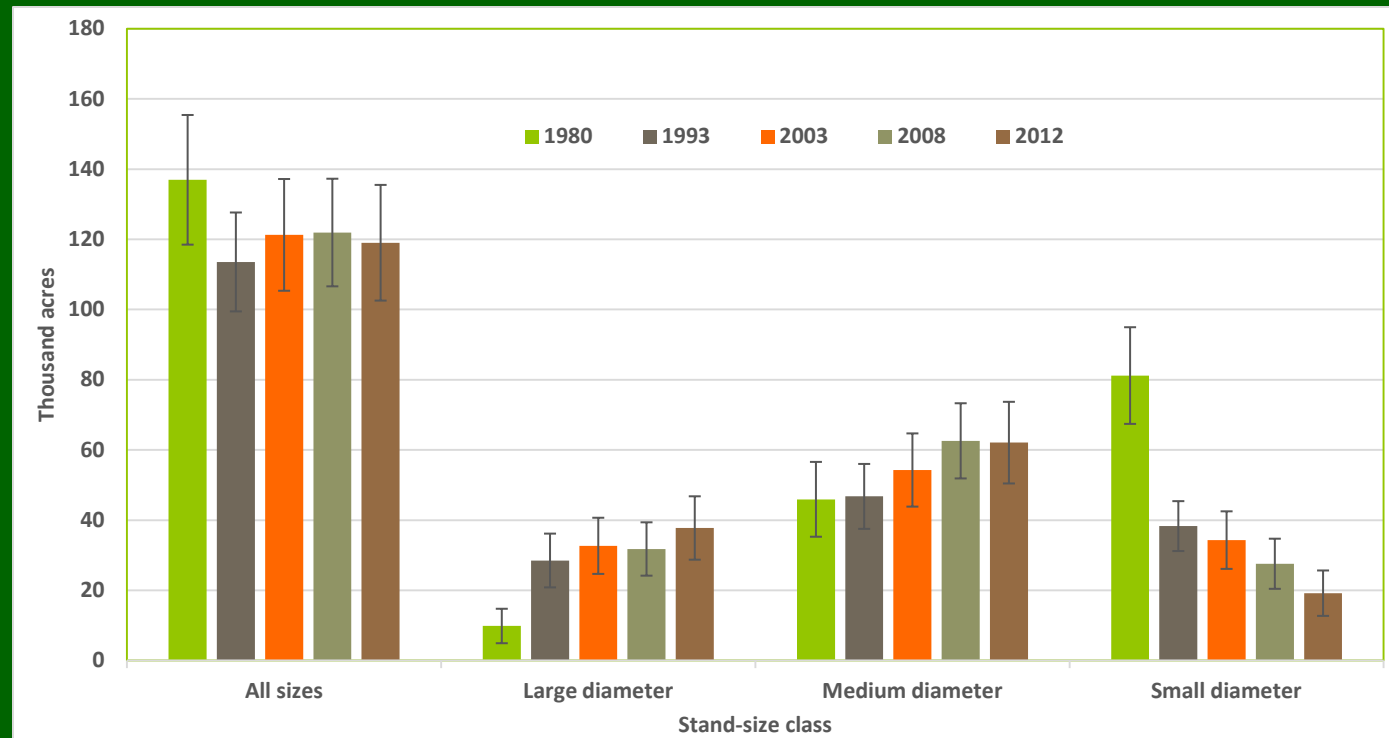
Michigan National Forest Trends

- Area of forest in aspen-birch group, by stand-size class, Michigan National Forests, 1980 to 2012 (error bars depict 1 standard deviation)*



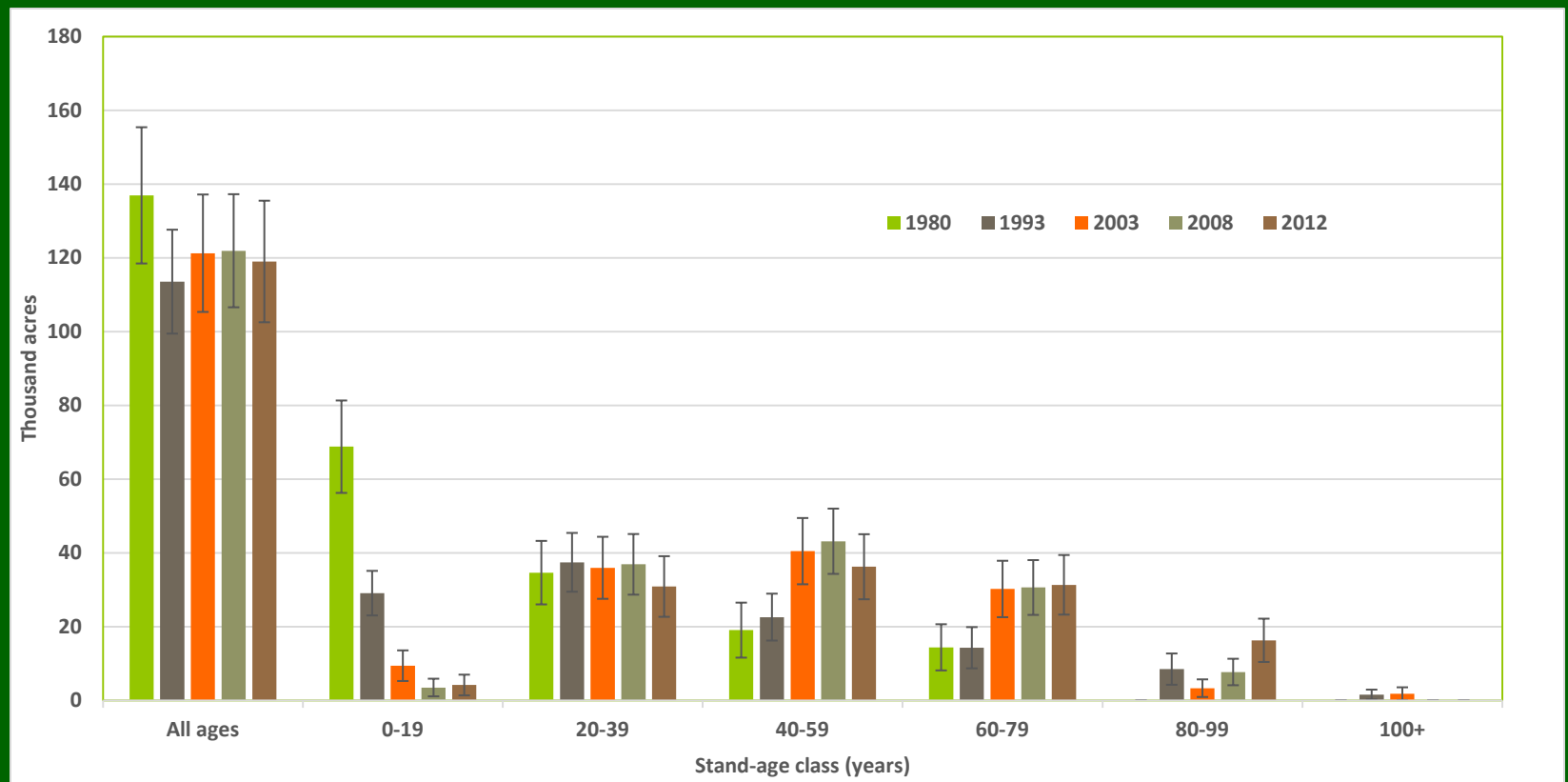
Huron-Manistee National Forest Trends

- Area of forest in aspen forest type by stand-size class, Huron-Manistee National Forest, 1980 to 2012 (error bars depict 1 standard deviation)*



Huron-Manistee National Forest Trends

Area of forest in aspen forest type by stand-age class, Huron-Manistee National Forest, 1980 to 2012 (error bars depict 1 standard deviation)



Early Successional Habitat Management

