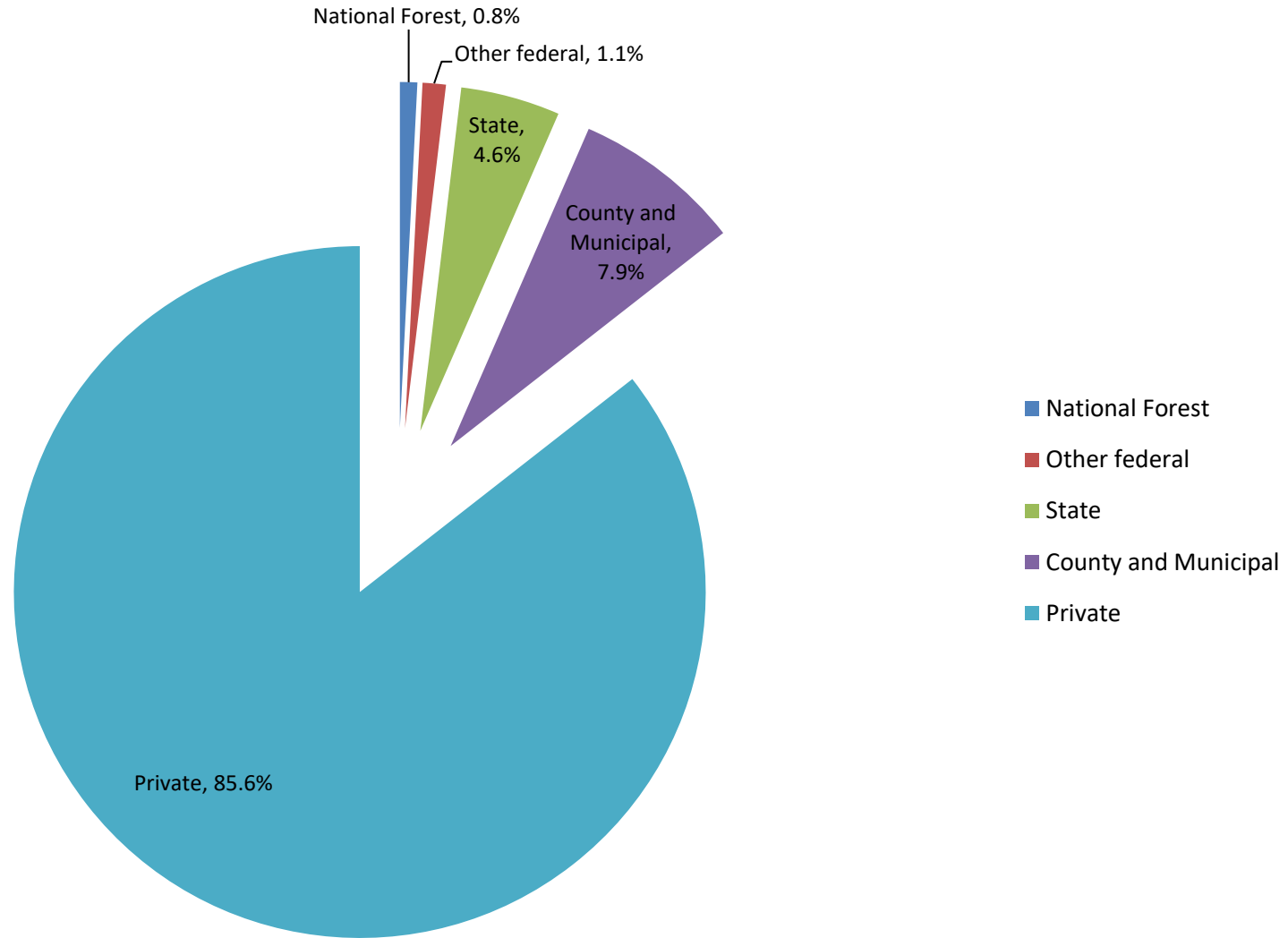


# Wisconsin



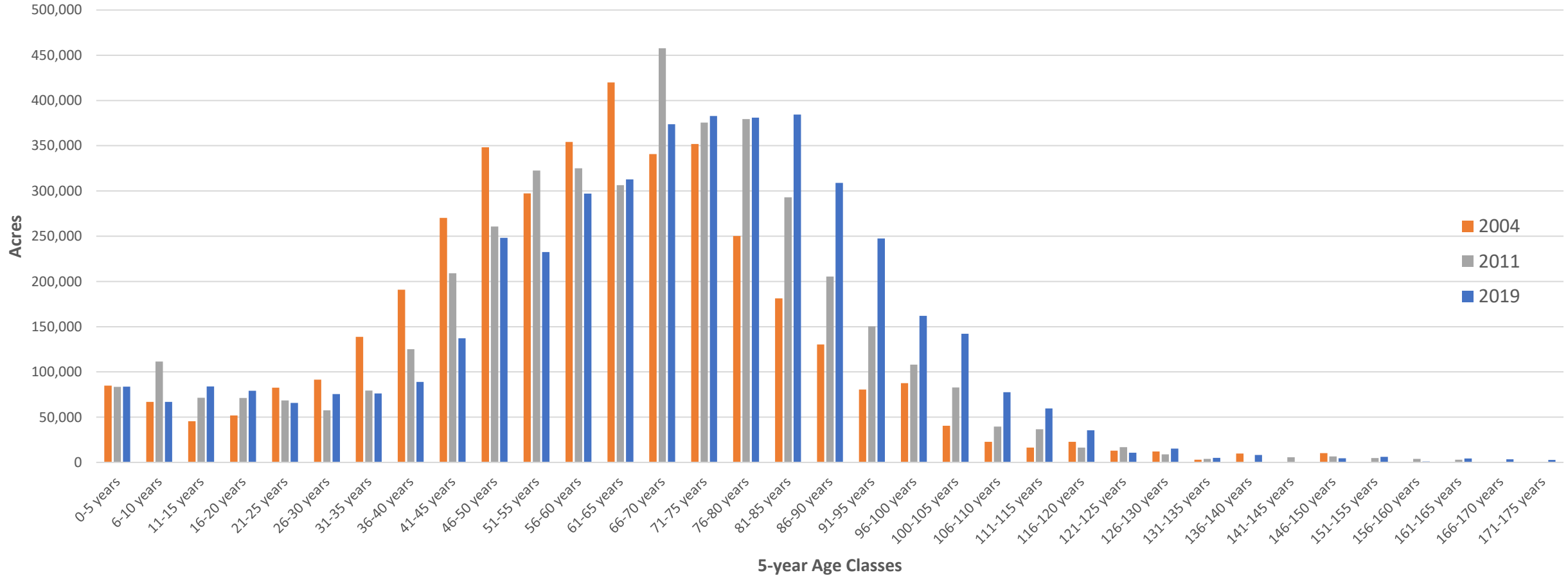
# Wisconsin's Oak/Hickory Forest Ownership

## Wisconsin Oak / Hickory Acreage (FIA 2011)



# Wisconsin's Oak/Hickory Forest Age Structure

## Acres of Oak - Hickory Forest Type Group by Age Class (FIA 2004, 2011, & 2019)



# WDNR Generally Accepted Natural Regeneration Methods

## Oak

Coppice	Clearcut	Seed Tree	Overstory Removal	Shelterwood	Patch Selection (0.5 - 2.0 acres)	Group Selection (0.1 – 0.5 acres)	Single-tree Selection (<0.1 acres)
R	CR	NR	R	R	CR	NR	NR

## Central Hardwoods

Coppice	Clearcut	Seed Tree	Overstory Removal	Shelterwood	Patch Selection (0.5 - 2.0 acres)	Group Selection (0.1 – 0.5 acres)	Single-tree Selection (<0.1 acres)
NR	CR	NR	R	R	R	R	NR

R = recommended

CR = conditionally recommended

NR = not recommended

# WDNR Oak Rotation Length Guidelines

Habitat Type	Black/Pin Oaks	Red Oak	White Oaks
Dry	70-90-110	70-100-120	80-110-150
Dry Mesic	80-110-140	80-120-150	80-140-250
Mesic	90-120-150	100-140-200	100-160-300

Note: 1st and 2nd number represent the **biological rotation age**, and the 2nd and 3rd numbers represent the potential extended rotation age

# **Common Silvicultural Systems in WI Driftless**



## **Intermediate Treatment (thinning) Challenges:**

- Limited markets – small and poor-quality wood
- Slopes – felling and skidding difficult
- Stand age – limited growth response
- Poor application - diameter limit cutting



### **Coppice and OSR Challenges:**

- Requires post-sale site prep
- Poor stump spouting ability – older oak
- Limited desirable advance regen pool
- Access roads



## **Shelterwood Challenges:**

- Limited advance oak regen pool
- Requires pre- and post-sale site prep
- Treatment time and expense



BRU 1





### **Patch and Group Selection Challenges:**

- Requires post-sale site prep
- Limited desirable advance regen pool
- Application difficult