

## ME Private Lands Program

Joseph Roy, AWB <sup>®</sup>
Private Lands Wildlife Biologists



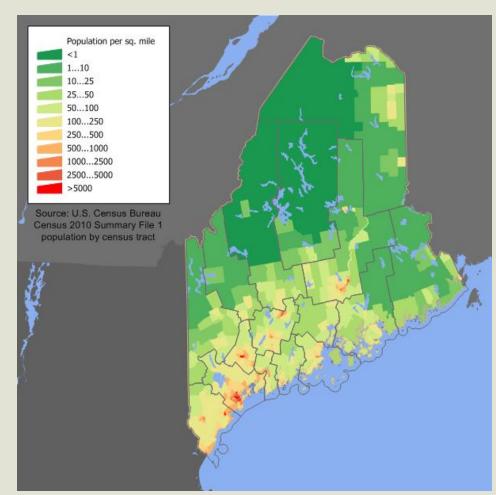
## Intro





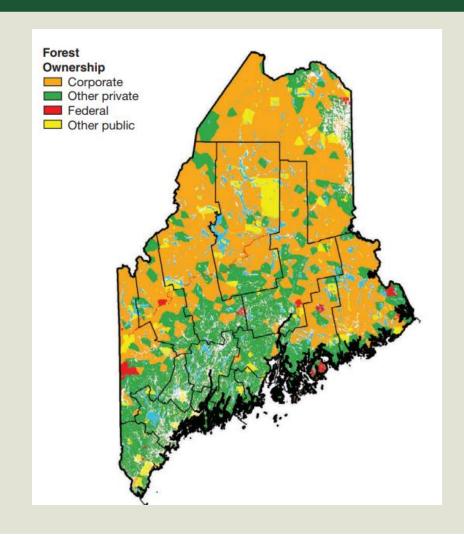


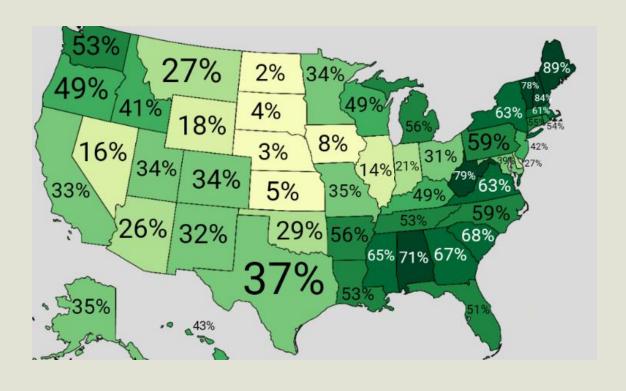
- **About Maine**
- 23 Million acres
- 1.3 million residents
- Largest industries
  - Forest Products
  - Life Sciences
  - Marine/Aquiculture
  - Food/Agriculture
  - **Outdoor Recreation**





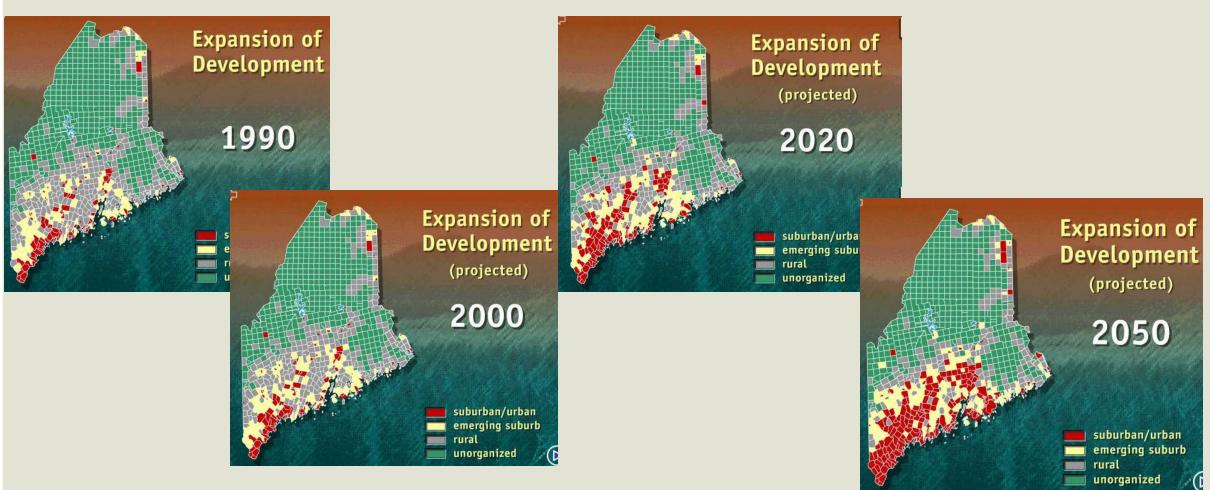








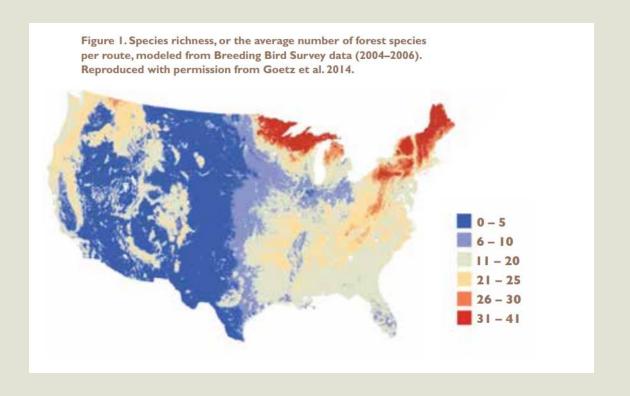






### Birds in Maine

- 475 species recorded in Maine
- 233 species breeding in Maine
- 130 Species of Greatest
   Conservation Need
- Important habitat for breeding and migration



## Private Lands Delivery in Maine is a Partnership















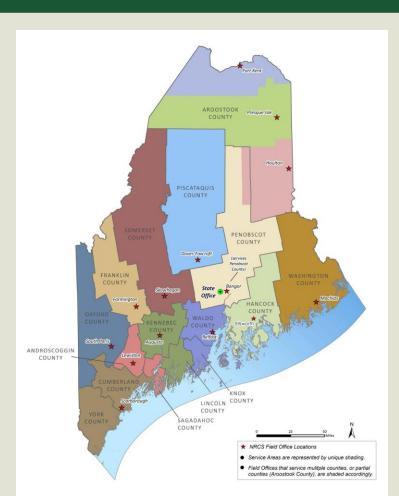












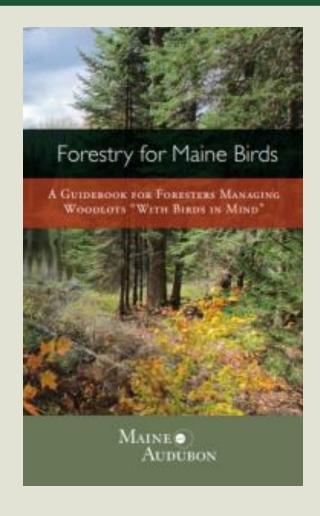
- NRCS State Technical Committee
- NRCS Wildlife Sub-Committee
- NRCS District offices

- Maine Forest Service landowner outreach coordinator
- Maine Forest service District Fosters



## **Engaging with Landowner through Forestry**







## Forestry Plan Review

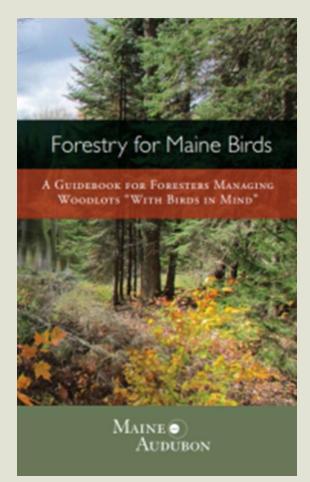
- Review 700 forest management plans annually
- Provide maps on SGCN species and habitats
- Provide technical guidance and recommendations





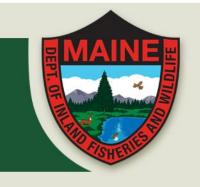
## Forestry For Maine Birds

- Maine Audubon
- 3 targeted guides
- Identified 20 priority Birds species
- Species profiles
- Bird focused forestry inventory metrics
- Forest management recommendations for priority species



## Forestry For Maine Birds

- Described and mapped forest types
- Created a list of associated bird species
- Highlights important habitat characteristics





#### Northern Softwood Association

- NORTHERN WHITE PINE-MIXED CONIFER

Tall trees, large hemlock

Adequate winter browse, con

· SPRUCE-HEMLOCK · NORTHERN WHITE CEDAR

**Association Species** 

Bay-breasted Warbles

Blackburnian Warbler

Selected Northern Softwood Habitat

ASPEN-BIRCH (EARLY SUCCESSIONAL)

IDENTIFICATION Softwood species comprise at least 75% of the stocking. Spruce-Fir is the most common forest type within this association. Northern Softwoods are typically characterized by mixtures of red spruce, white spruce, or black spruce and balsam fir in pure stands or with other species. Common associates include yellow birch, paper birch, and other northern hardwood species as well as hemlock, northern white cedar, and white pine. This association currently covers close to 6 million acres in Maine.

ECOLOGY Spruce-Fir and other Northern Softwood forest types frequently share the same landscape as Northern Hardwoods, but are found on cooler sitesnotably valley bottoms, high-elevation areas, and along the coast-or where soils are somewhat poorly to poorly drained. Stands dominated by white spruce are common on former agricultural land in northern and eastern Maine as well as in the spray zone on coastal islands.

WILDLIFE Several bird species—including Spruce Grouse, Gray Jay, Black-backed Wood- pecker, and Bay-breasted, Magnolia and Cape May Warblers-are found almost exclusively in Spruce-Fir forests. American marten is strongly associated with this forest type, either in pure stands or in Mixed Hardwood Spruce-Fir forests. Younger Spruce-Fir is critical for snowshoe hare, the primary prey of Canada lynx. Relatively mature to mature stands are critical deer wintering areas in northern Maine (See Table).



Maine AUDUBON

Information from Forestry for Maine Birds: A Guidebook for Foresters Managing Woodlots "With Birds in Mind." Maine Audubon 2017. Available at maineaudubon.org/ffmb.

White-tailed Deer



- 20 specie profiles
- Includes cover type preferences
- Successional preferences
- Nest location within stand
- Preferred stand features

# MAINE

#### Blackburnian Warbler



Photo: Sue Barth

IDENTIFICATION AND SONG Black and white with vivid orange throat, crown patch, and eyebrow, large white wing patch, and boldly striped back. Song thin and wiry, increasing in speed and rising to the limit of hearing, sleet-sleet-sleet-sleet-sleete-sleetes-fleetes-fleet-sl

NEST Well-concealed open cup in conifer. Placed on limb away from trunk, sometimes near end of branch, often >30' above forest floor.

FOOD Insectivorous; often spiders, beetles, and moth

TERRITORY SIZE 1-3 acres, smaller in softwoods.

FOREST CONDITION Older softwood or mixedwood forests with high canopy cover (>80%) and tall trees (>40°). Especially sensitive to removal of large conifers. Uses topmost part of tall trees (especially tallest trees that emerge above the main canopy) for feeding, nesting, and singing. Requires fairly dense vegetation in midstory. Prefers forests interiors.

FOREST HABITAT ASSOCIATION Prefers Northern Mixedwood and Northern Softwood, but will use Oak Pine forest.

HABITAT AGE CLASS Prefers older forest (dominant trees 70-100 years old, and 10-16" diameter), but will use intermediate forest (dominant trees 20-70 years old and 5-10" diameter).

#### HABITAT FEATURES



Generalized graphic depicting forest type, age, layer, and any special features where the bird and next are typically found.

 BIRD Layer where bird typically seen and/or where male typically sings
 NEST Typical nest type and height

LAYERS Light gray lines divide overstory (>30'), midstory (6–30'), and understory (<6'), and are not to scale

MANAGEMENT NOTES Maintain large conifers and larger forest blocks (>250 acres). Uses bearded lichen.



Information from Forestry for Maine Birds: A Guidebook for Foresters Managing Woodlots: "With Birds in Mind." Maine Audubon 2017. Available at maineaudubon.org/ffmb.



## Ag Allies

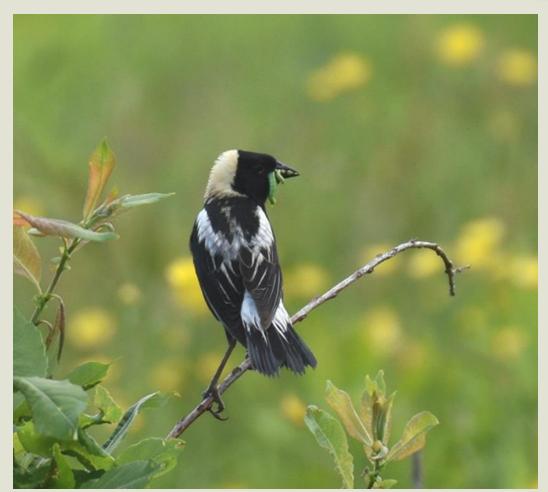
- Locally developed and lead program
- One of Cornell's Land Trust
   Conservation Collaboratives
- Agriculture and grassland bird focused





## Ag Allies

- Technical Assistance
- Financial Assistance
- Field Surveys
- Education and Training





## Ag Allies

- 125+ Sites annually
- 12,794 Farm Acres
- 3,694 Field Acres
- 2,289 acres of nesting habitat
- 605 Pairs of Bobolink





## Questions?

Joe Roy, AWB

Private Lands Biologist

Maine Department of Inland Fisheries and Wildlife

joseph.roy@maine.gov

207-592-3344

