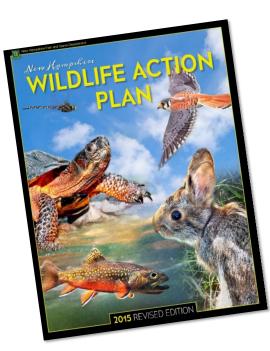


### 2025 NH Wildlife Action Plan Revision

Emma Tutein, UNHCE Taking Action for Wildlife Mickayla Johnston, NHFG Wildlife Action Plan Coordinator

# **NH Wildlife Action Plan**



Restore rare wildlife and habitats

Keep common species common

#### 169 Species of Greatest Conservation Need .....







#### Appendix A: Reptiles

#### Wood Turtle Glyptemys insculpto

Federal Listing N/A State Listing SC Global Rank State Rank **S**3 Regional Status Very High



#### Justification (Reason for Concern in NH)

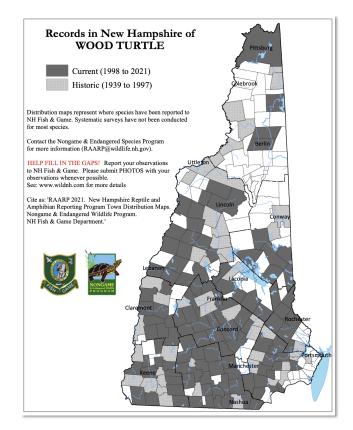
Justification (Reson to Concern in NH) The wood turtle is a species of high regional concern (conservation concern and high regional responsibility) in the northeast that warrants federal endangered or threatened species listing considerations (NEPRAC 2010, Theres 1999). Many vates across the species range have reported declines, population structures with a disproportionate number of adults, or local extingations (Ross et al. 1991, coatree and Burger 1995; Critta 2010, Dalige and Jutras 2003; Wiloughby et al. 2013). In New England, the Woost durit is listed as a species of special concerns in Mainer (Menter et al. 1, 2010). Newschaust woost durits listed as a species of special concerns in Mainer (Menter et al. 1, 2010). Newschaust woost durits a Natural Heritage program 2013, Newschaust, and Vermont (Vermont Nongame and Khural Heritage program 2013). Newschaust (Connecticut Department of Energy and Environmental Protection 2014), New Hampshire, and Vermont Vermont Nongame and Khural Heritage Program 2013, Nettlew ere considered one of the most cormon turits begics in New Hampshire (Diver and Bailey 1939). A petition to list the wood turt as threatend under the Endangered Species Act by the Federal government was declined in the mid-1990; the U.S. Fish and Wildlife Service stated the petition to resent "Substantial scientific or commercial information indicating that listing the species is for Net or present "Substantial scientific or commercial moder that listing the species is government was declined in the mid-1990; the U.S. Fish and "Midlife Service started the petition did not presen" (substantial scientific commercial information indicating that listing the species is warranted" (USFWS 1993). Life history traits including late sexual maturation (Ortario: 17-18 years, Brocks et al. 1992) and limited featuredly (Gabre 1986). Foreil and Graham 1991, Ross et al. 1991, Brocks et al. 1992) make wood turtles extremely vulnerable to increased adult mortality. Wood turtles depend on high rates of adult survival to compensate for a large mortality in the early stages of life. A model developed by Comptoin (1999) predicted that the annual removal of only 2 adult wood turtles of the service of the service of the service of the service adult wood turtles from a stable population of 100 individuals would result in the extipation of the population in less than 80 years. Human populations are rapidly expanding in New Hampshire (Society) for the Protection of New Hampshire Forests 2005). As a result, residential and commercial development and human recreasion opportunities are increasing. Likely reducing the local vability of wood turtle populations (Tuttle and Carroll 1997); M. N. Marchand, personal observation).

#### Distribution

The wood turtles range extends from Maine to Minnesota, south to Virginia and Iowa in the United States, as well as southern Canada from Nova Scotia to Ontario [Errist et al. 1994]. The northeast United States comprises a significant portion of the wood turtle's global range (Therres 1999). Wood turtles appear to be distributed throughout New England, but are less common in coastal zones (Klemens 1993) and absent from offshore islands (Dones 2007).

(klemens 1993) and absent from offshore islands (Jones 2007). In New Hampshire, wood turtles likely occur throughout much of the state excluding higher altitudes such as the White Mountains Region (Taylor 1993, New Hampshire Natural Heritage Bureau 2005). High elevation records for southern New England Include 424. m (1450 Pi a Norfolk, Connecticut, 497 m (1630 ft) Becket, Massachusetts, and S18 m (1700 ft) Piainfield, Massachusetts (Klemens 1993).

New Hampshire Wildlife Action Plan Appendix A Reptile-62



# **27 Habitats**



# Threats

- Pollution
- Climate Change
- Natural System Modifications
- Invasive and problematic species, genes, & diseases
- Development

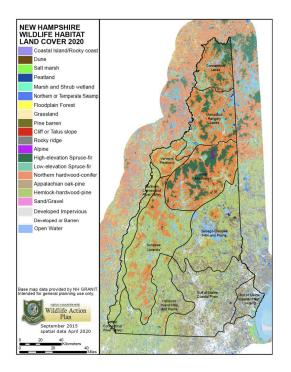


## **Conservation Actions**

- Species and Habitat
- Planning
- Agency Coordination, Regulation, and Policy
- Education and Technical Assistance



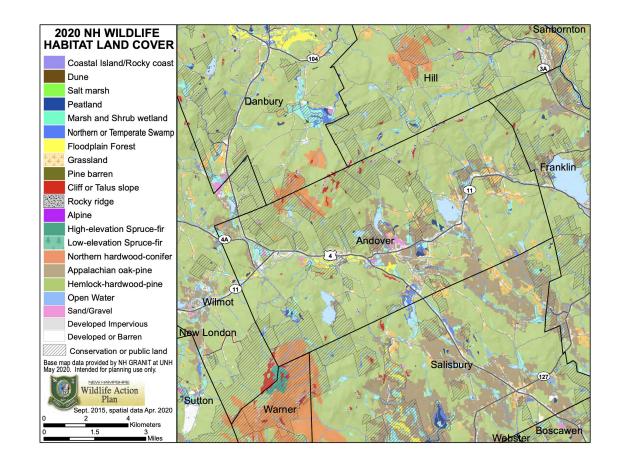
# **Maps: Habitat Land Cover**



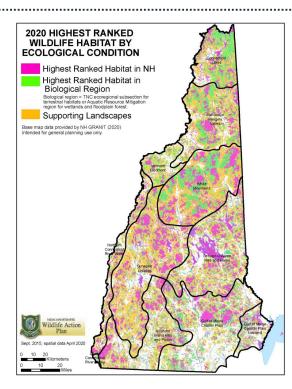
Based on Regional Data

New Hampshire Data used to improve accuracy

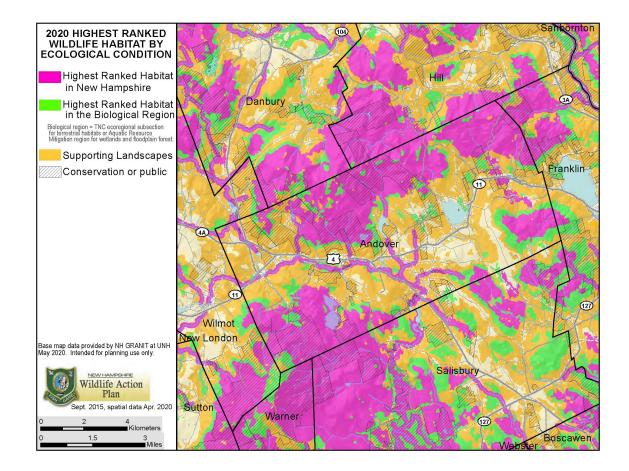
Mapped to accuracy of  $\pm$  1/4 acre



## WAP Maps: Ranked Habitat Map



- Biological factors
- Landscape factors
- Human impact



## NH Wildlife Action Plan 2025 Revision

- Required every 10 years by US Fish and Wildlife Service
- Changes in wildlife and habitats, the threats facing them, and the needed conservation actions
- Chance for NHFG to engage with partners



Habitat management is an important conservation tool for many SGCN. Photo by Jim Oehler, NHFG.

## NH Wildlife Action Plan 2025 Revision

- Updated Species of Greatest Conservation Need & Habitats lists
- Assessment of current threats in NH
- New conservation actions
- New conservation tools



Common Eider (*Somateria mollissima*) is a new addition to the 2025 NH SGCN list. Photo by Tim Bowman, USFWS; NCTC Image Library.

### **Updated Species of Greatest Conservation Need**



Photo by Mike Marchand, NHFG.



Photo by Ryan Hagerty, USFWS.

**138** Wildlife Species of Greatest Conservation Need (proposed)**157** Wildlife Assessment Need Species (proposed)

## **New: Plant Species**



Photo by Lisa Hupp, USFWS.

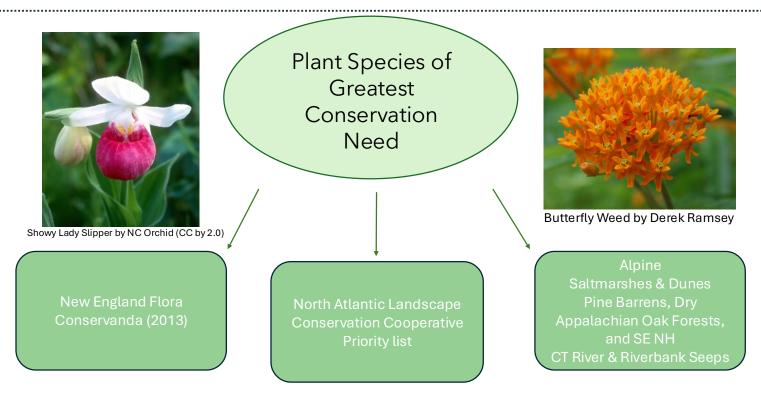


Photo by Dan Pittillo.

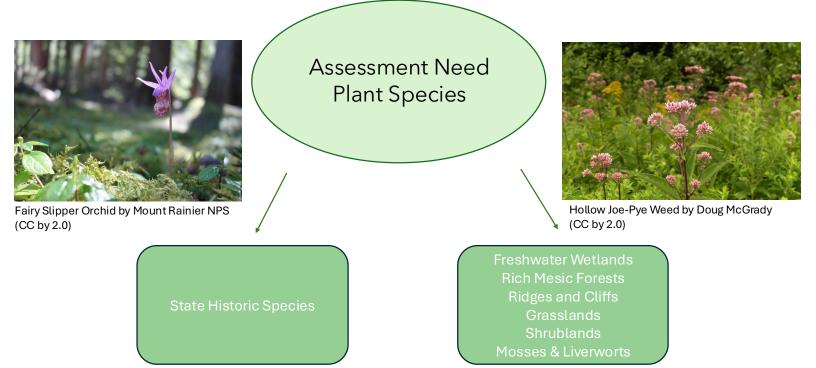
**200** Plant Species of Greatest Conservation Need (proposed)

**203** Plant Assessment Need Species (proposed)

### **New: Plant Species of Greatest Conservation Need**



### **New: Assessment Need Plant Species**



# **Updated Key Habitat Types**



Photo by Pete Bowman, NHB.



Photo by Matt Poole, USFWS.



Photo by Ben Kimball, NHFG.

#### 28 Key New Hampshire Habitat Types

## **Threats Status Assessment**



Mara Hoplamazian, NHPR

# **Updated Conservation Actions**





Photo by Emily Lord

# **Updated Conservation Tools**



TOWN	COMMON NAME	RANGE	Habitats
			Swamps, Peatlands,
ANTRIM	American Black Duck	Statewide	Temperate Swamps
ANTRIM	American Bumble Bee	Statewide	Grasslands, Shrublands
ANTRIM	American Kestrel	Statewide	Grasslands, Shrublands
ANTRIM	American Water Shrew (Eas	Statewide	Northern Swamps
			Swamps, Shrublands,
ANTRIM	American Woodcock	Statewide	Temperate Swamps
			Marsh and Shrub Wetlands,
			Northern Hardwood-Conifer
ANTRIM	Bald Eagle	Statewide	Forest
			Wetlands, Warmwater
ANTRIM	Bank Swallow	Statewide	Rivers and Streams
			Hardwood-Conifer Forest,
			Northern Swamps,
ANTRIM	Big Brown Bat	Statewide	Temperate Swamps
ANTRIM	Black-billed Cuckoo	Statewide	Shrublands
ANTRIM	Blanding's Turt le	Throughout	Swamps, Vernal Pools
			Northern Swamps,
			Peatlands, Temperate
ANTRIM	Blue-Spotted/Jefferson Salar	Statewide	Swamps, Vernal Pools
ANTRIM	Bobolink	Statewide	Grasslands
ANTRIM	Brown Thrasher	Statewide	Pine Barrens, Shrublands
ANTRIM	Burbot (Freshwater Cusk)	Localize d	with Coldwater Habitats
			Northern Swamps,
ANTRIM	Canada Warbler	Statewide	Temperate Swamps
			Forest, Northern
ANTRIM	Chimney Swift	Statewide	Hardwood-Conifer Forest

