

Species and Habitat Profiles

Federal Listing: This includes any current designated federal status of the species by the US Fish and Wildlife Service.

T = Threatened.

E = Endangered.

EXPN = Experimental Population, Non-Essential.

SAT = Similarity of Appearance to a Threatened Taxon.

N/A = Not applicable; either not listed or not evaluated at the federal level.

State Listing: This includes any current (as of May 2015) designated state status of the species by the NH Fish and Game Department, as described in the Endangered Species Conservation Act (Title XVIII, Chapter 212-A).

SGCN = Listed as a Species of Greatest Conservation Need, but not otherwise state listed.

(Ex) = Considered extirpated from New Hampshire.

E = Endangered.

SC = Special Concern. These are species that are near-threatened or species for which a large portion of their global or regional range (or population) occurs in New Hampshire and where actions to protect these species habitat will benefit the species' global population.

T = Threatened.

Global Rank: At the global geographic scale, ranks for many species and ecosystems have been determined and reported by *NatureServe*. For species, these ranks provide an estimate of extinction risk, while for ecosystems they provide an estimate of the risk of elimination. Ranks are on a scale of 1 to 5, with a **G1** indicating critical imperilment, a **G3** indicating that the species is vulnerable, and a **G5** indicating that the species is secure.

State Rank: At the state-level, species or ecosystem ranks for many species and ecosystems have been determined and reported by *NatureServe*. For species these ranks provide an estimate of extinction risk, while for ecosystems they provide an estimate of the risk of elimination. Ranks are on a scale of 1 to 5, with a **S1** indicating critical imperilment, a **S3** indicating that the species is vulnerable, and a **S5** indicating that the species is secure. When ranks are somewhat uncertain or the species' status appears to fall between two ranks, the ranks may be combined. Other ranks include: **SU** (Status uncertain), **SH** (Known only from historical records, but may be rediscovered), **SX** (Believed to be extinct), **SNR** (Status not ranked), and **SNA or NA** (Status not available).

Regional Species of Greatest Conservation Need (RSGCN) Status: The Northeast United States developed a list of species of regional conservation concern. Species with a “Y” status were included as RSGCN, and species with an “N” status were not.

Justification (Reason for Concern in NH): Briefly states the reason for conservation concern, the overall trend, or the pattern of change that indicates imperilment of the species and/or habitat.

Appendix H – Species and Habitat Profiles

Distribution & Habitat

Habitat Description

For habitat profiles, briefly lists the key attributes that distinguish this habitat type from other habitat types. For species, briefly lists the habitat attributes that provide critical life history requirements.

Population and Habitat Distribution

Briefly summarizes the current and historic state range in a regional context. Describes spatial patterns of distribution within NH and may identify patterns of isolation and fragmentation.

NH WAP Habitats

Species profiles list associated habitats, including those that may only be required for certain life stages. Some species list only one or two primary habitats, where other species may have many associated habitats.

Current Species & Habitat Condition in New Hampshire

Relative Health of Populations

Describes the abundance of key populations or habitat in NH, including historical and potential occurrences.

Population Management Status

Describes the efficacy of ongoing population management efforts with enough detail to identify potential conservation opportunities.

Regulatory Protection

Includes federal, state, or local laws, ordinances, and rules regulating the take, transport, or use of the species and/or habitat.

Quality of Habitat

Summarizes the quality of existing habitats, in terms of their ability (or potential) to provide key ecological attributes (e.g. availability of forage, nest sites, cover, diversity, and productivity).

Habitat Protection Status

Summarizes the relative protection status (e.g., fee, easement, other) of key units of habitat.

Habitat Management Status

Summarizes the relative efficacy of ongoing habitat management or restoration efforts with enough detail to identify habitats potentially requiring conservation action or potential conservation opportunities.

Threats to this Species or Habitat in New Hampshire

Threats to species and habitats were identified and ranked as described in Chapter 4 and Appendix E. This section describes the exposure pathway that leads from human activity (regardless of scale or origin, e.g., local, state, regional, national, international), to a direct threat to the focal species and/or habitat, to a response in the focal species and/or habitat. Provides evidence to evaluate the severity, urgency, and underlying mechanisms of this threat for the species or habitat.

Actions to Benefit this Species or Habitat in NH

Actions to benefit a species or habitat were developed as part of each profile. Listed Actions have a title and an **Action Category**, which refers to the ‘Tracking and Reporting Actions for the Conservation of Species’ (TRACS) system. TRACS is used by the US Fish and Wildlife Service for tracking and reporting conservation projects funded by the Wildlife and Sport Fish Restoration Program. Listed Actions have a field for detailing that the particular Action **Addresses these threats** specifically. The **Action Objective** is a concise statement of the goal or purpose for initiating this action. The **General Strategy** describes in detail what should be done under this Action and how to achieve the objective, including methodology. **Location of the Action** includes details of where this action could occur, by listing appropriate counties and watersheds. Further details may be provided.

Author

Many experts contributed to the evaluation of species and habitats. This section provides the names of the main contributing writers to the specific profile.

References and Data Quality

This field briefly describes the sources or processes used (e.g., literature review, databases, meetings and forums, expert review or consultation) to gather information on the distribution and condition of species/habitat.

This field also includes an explanation of the level of detail provided by describing the extent and quality of existing data on the distribution and condition of the species/habitat across the state, identifying areas where there may be gaps in knowledge.

Literature

All literature consulted during the process is listed here.