



## Mount Auburn Cemetery Amphibians and Reptiles

This 10-card deck covers common and iconic species of amphibians and reptiles in Cambridge, Massachusetts, more specifically Mount Auburn Cemetery. It is a 175 acre garden that is committed to protecting its important wildlife habitat in the densely developed urban area that it is located in. Included in the cards is information about the organisms' response to climate change.

This card deck has been developed as part of the EOL Place: New England Region, a project that works to highlight several habitats found across the New England region in the Northeastern part of the United States. The goal of this project is to bring together information about species in the context of the places they inhabit, and to show citizens the amazing biodiversity that exists around them.

Find this card deck and more at:  
[education.eol.org/species\\_cards](http://education.eol.org/species_cards)

Title Image Credit: Shadowmanjack CC-BY-NC

### Card Deck Description

## American Bullfrog *Lithobates catesbeianus*

eol  
Amphibians



WWF Ecoregion  
+ Temperate broadleaf and mixed forests

CARN  
Foodweb Role

<b>Snout-vent Length</b>	15.2 - 16.2 cm (avg)
<b>Webbing/Toe Pads</b>	Extensive; absent
<b>Adult Habitat</b>	Mostly aquatic
<b>Clutch/Broods</b>	20,000; 1/yr
<b>Activity</b>	Cathemeral

LC  
IUCN Redlist™

#### Climate Change Response

- No major climate-based threats
- Large number of sub-populations and localities
- Population is increasing

Image: Carl D. Howe CC-BY-SA

## Bronze Frog *Lithobates clamitans*

eol  
Amphibians



WWF Ecoregion  
+ Temperate broadleaf and mixed forests

CARN  
Foodweb Role

<b>Snout-vent Length</b>	7.5 - 12.5 cm
<b>Webbing/Toe Pads</b>	Extensive; small
<b>Adult Habitat</b>	Mostly aquatic
<b>Clutch/Broods</b>	1,000 - 5,000; 1/yr
<b>Activity</b>	Diurnal / Nocturnal

NE  
IUCN Redlist™

#### Climate Change Response

- No major climate-based threats
- Large extent of occurrence and wide range of habitats
- Thousands of sub-populations are abundant and stable

Image: 2010 Todd Pierson CC-BY-NC-SA

## Common Name

### Scientific Name

### Taxon Group

#### Food Web Roles

DECO	Decomposer: Energy from dead material
AUTO	Autotroph: Energy from sun, water, CO <sub>2</sub>
HERB	Herbivore: Energy from plants
OMNI	Omnivore: Energy from plants, animals
CARN	Carnivore: Energy from animals
APEX	Apex Predator: Top predator
DETR	Detritivore: Energy from dead vegetation
SANG	Sanguinivore: Energy from blood
MULT	Multiple: Energy from multiple sources

Habitat (where species is found)  
+ (indicates species is also found in other habitats)

#### Species Conservation Status

##### IUCN Redlist™

International Union for  
Conservation of Nature

LC	Least Concern
DD	Data Deficient
NT	Near Threatened
EN	Endangered
NE	Not Evaluated

NE Not Evaluated

VU Vulnerable  
CR Critically Endangered  
EW Extinct in Wild  
EX Extinct

eol  
Reptiles

## Common Garter Snake *Thamnophis sirtalis*



WWF Ecoregion  
+ Temperate broadleaf and mixed forests

CARN  
Foodweb Role

<b>Snout-vent Length</b>	46 - 137 cm
<b>Adult Weight</b>	150 g
<b>Adult Habitat</b>	Terrestrial
<b>Clutch/Broods</b>	10 - 40 (avg); 1/yr
<b>Activity</b>	Diurnal

LC  
IUCN Redlist™

#### Climate Change Response

- No major climate-based threats
- Very widely distributed
- Population is stable or slowly declining

Image: calopteryx CC-BY-NC-SA



## Common Gray Treefrog

*Hyla versicolor*

eol  
Amphibians



WWF Ecoregion  
+ Temperate broadleaf and mixed forests

CARN

Foodweb  
Role

**Snout-vent Length** 3.2 - 5.2 cm

**Webbing/Toe Pads** Extensive; large

**Adult Habitat** Terrestrial

**Clutch/Broods** 2,000 (max); 1/yr

**Activity** Nocturnal



### Climate Change Response

- No major climate-based threats
- Large extent of occurrence and wide range of habitats
- Adult population is unknown but likely stable

Image: 2010 Todd Pierson CC-BY-NC-SA

## Common Snapping Turtle

*Chelydra serpentina*

eol  
Reptiles



WWF Ecoregion  
+ Temperate broadleaf and mixed forests

OMNI

Foodweb  
Role

**Carapace Length** 23 - 49 cm

**Adult Weight** 4.5 - 16.0 kg

**Adult Habitat** Mostly aquatic

**Clutch/Broods** 28 - 49; 1/yr

**Activity** Nocturnal



IUCN  
Redlist™

### Climate Change Response

- Temperature-dependent sex determination
- Widespread with relatively high reproductive levels
- Population is stable

Image: Tim Hite CC-BY

## Eastern American Toad

*Anaxyrus americanus*

eol  
Amphibians



WWF Ecoregion  
+ Temperate broadleaf and mixed forests

CARN

Foodweb  
Role

**Snout-vent Length** 5.0 - 10.2 cm

**Webbing/Toe Pads** Partial; small

**Adult Habitat** Terrestrial

**Clutch/Broods** 4,000 - 8,000; 1/yr

**Activity** Nocturnal



IUCN  
Redlist™

### Climate Change Response

- No major climate-based threats
- Large extent of occurrence and wide range of habitats
- Population is stable with localized declines

Image: 2010 Todd Pierson CC-BY-NC-SA

## Eastern Paintedturtule

*Chrysemys picta picta*

eol  
Reptiles



WWF Ecoregion  
+ Temperate broadleaf and mixed forests

OMNI

Foodweb  
Role

**Carapace Length** 15 - 25 cm (avg)

**Adult Weight** 0.3 - 0.5 kg

**Adult Habitat** Mostly aquatic

**Clutch/Broods** 1 - 23; 1 - 5/yr

**Activity** Diurnal



### Climate Change Response

- Temperature-dependent sex determination
- Extremely widespread
- Population is stable

Image: Brian Gratwicke CC-BY

## Red-eared Slider

*Trachemys scripta elegans*

eol  
Reptiles



WWF Ecoregion  
+ Temperate broadleaf and mixed forests

OMNI

Foodweb  
Role

**Carapace Length** 24 - 29 cm (avg)

**Adult Weight** 0.5 - 1.0 kg (avg)

**Adult Habitat** Mostly aquatic

**Clutch/Broods** 5 - 20; 3/yr

**Activity** Diurnal



### Climate Change Response

- Temperature-dependent sex determination
- Tolerant to broad range of habitats
- Population is stable

Image: James Maughn CC-BY-NC

## Spotted Salamander

*Ambystoma maculatum*

eol  
Amphibians



WWF Ecoregion  
+ Temperate broadleaf and mixed forests

CARN

Foodweb  
Role

**Snout-vent Length** 15 - 25 cm

**Adult Habitat** Terrestrial

**Development** Indirect

**Clutch/Broods** 100 - 370; 1/yr

**Activity** Nocturnal



### Climate Change Response

- No major climate-based threats
- Can survive in varied and altered habitats
- Some local population declines due to habitat loss

Image: Michael CC-BY-NC-SA



## Spring Peeper *Pseudacris crucifer*

eol  
Amphibians



WWF Ecoregion  
+ Temperate broadleaf and mixed forests

CARN

Foodweb  
Role

**Snout-vent Length** 2.0 - 2.5 cm

**Webbing/Toe Pads** Partial; small

**Adult Habitat** Terrestrial

**Clutch / Broods** 700 - 1,000; 1/yr

**Activity** Nocturnal

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### Climate Change Response

- Wetland drainage reduces available habitats
- Moderately adaptable
- Population is stable with possible fragmentation

Image: USGS

eol species cards

**Activity:** Describes animal behaviors by when they are awake/active: diurnal (during the day), nocturnal (during the night), crepuscular (during dawn and dusk), etc.

**Adult Habitat:** The place an adult amphibian lives and finds its resources: arboreal (in trees), terrestrial (on ground), fossorial (burrowing), or aquatic (in water)

**Brood:** Group of young produced at one time

**Carapace Length:** In turtles, crustaceans, and arachnids, the length of the hard upper shell or outer covering

**Cathemeral:** Active during the day and night

**Clutch Size:** Number of eggs laid in a nest at one time

**Diurnal:** Active during the day

## Vocabulary

eol species cards

**Population Fragmentation:** When a group of organisms in the becomes separated groups of the same species; causes a decrease in genetic variability

**Locality:** The specific geographical location where a type specimen was originally found

**Nocturnal:** Active during the night

**Snout-vent length:** In amphibians and reptiles, the length from tip of nose to tail base

**Sub-population:** Distinct groups in the population between which little demographic or genetic exchange occurs

**Toe Pads:** In frogs, the presence of adhesive discs on tips of toes for climbing trees

**Webbing:** In amphibians, the extent of webbing between toes on hind legs

## Vocabulary

