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Andorran Pyrenees -
Additional Vertebrates

Andorran Pyrenees Fungi

Andorran Pyrenees
Passerine Birds

Andorran Pyrenees Plants

Aquatic Insects

Bioblitz Taxa

Boston Harbor Fouling
CommunitiesBoston Harbor Migratory
FishwaysBoston Harbor Rocky
Intertidal

Boston Harbor Salt Marsh

Boston Harbor Sandy Beach

Boston Harbor Seagrass
BedsBoston Harbor Shellfish
Beds

Boston Harbor Tidal Flats

CNC Boston: Dandelion
DelightCNC Boston: Delectable
Oysters

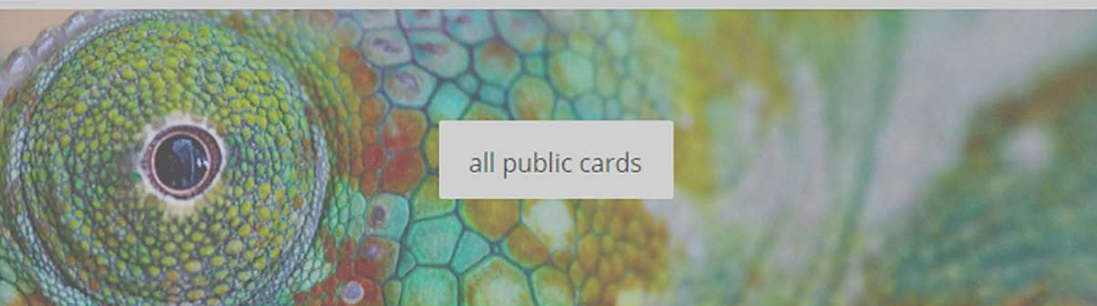
CNC Boston: Early Rivers

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Sort: scientific name (a-z)

Tutorial #1

An Introduction to Encyclopedia of Life Biodiversity Cards



all public cards

Boxelder Maple

Acer negundo

Plants

Food Web Role

Producer

Temperature Profile

9 - 18 m

Height

9 - 18 m

Growth Form

Tree

Leaf Duration

Deciduous

Flower Color

Yellow-green

Sunlight/Soil

Part shade, moist

Adaptations + Energy Sources

Adapted to extremely high growth rate

Reproduction: Seeds and basal roots

Energy: Sunlight, carbon dioxide, water

Image: Louis CC BY NC

Atlantic Sturgeon

Acipenser sturio

Fishes

Food Web Role

Marine

Temperature Profile

3.5 m (max)

Body Length

3.5 m (max)

Adult Weight

515 kg (max)

Lifespan

100 yrs (max)

Number of Eggs

1.5 million every 8-15 yrs

Nest Type

Absent

Adaptations + Energy Sources

Resistant to Whalers' lower jaw lacerations

Defense: at least one pair of spines, spawning runs

Energy: Adapted to low-oxygen, low-salt water

Image: Wikimedia Commons (public) CC BY-SA 4.0

Northern Cricket Frog

Acris crepitans

Amphibians

Food Web Role

Freshwater

Temperature Profile

1.8 - 3.5 cm

Snout-vent Length

1.8 - 3.5 cm

Adaptations + Energy Sources

Growth: Tolerant to drought and air pollution

Reproduction: Salamanders act as wings on seeds

Energy: Sunlight, carbon dioxide, water

Image: Bruce CC BY NC

Spotted Sandpiper

Actitis macularia

Birds

Food Web Role

Multi

Temperature Profile

37 - 40 cm

Wingspan

37 - 40 cm

Adaptations + Energy Sources

Growth: Can grow in both swamps and dry soils

Reproduction: Can start producing seeds at 4 years

Energy: Sunlight, carbon dioxide, water

Image: May 2000 CC BY-SA

Yellow Fever Mosquito

Aedes aegypti

Diptera

Food Web Role

Aquatic

Temperature Profile

4 mm

Adult Length

4 mm

Adaptations + Energy Sources

Threat: Adaptability

Adapted to: Mosquitoes

Adapted to: Mosquitoes

Adapted to: Mosquitoes

Image: Bruce CC BY-SA

Nudibranch

Arion

Mollusks

Food Web Role

Marine

Temperature Profile

10 cm (max)

Body Length

10 cm (max)

Adaptations + Energy Sources

Resistant to Whalers' lower jaw lacerations

Defense: at least one pair of spines, spawning runs

Energy: Adapted to low-oxygen, low-salt water

Image: Wikimedia Commons (public) CC BY-SA 4.0

System

Height	12-15 cm	Height	15-27 cm	Height	60-90 cm	Body Length (BL)	35 mm (male)
Cloacal Fork	12-15 cm	Cloacal Fork	15-27 cm	Growth Form	Gr. 90 cm	Body Length (BL) <td>35 mm (male)</td>	35 mm (male)
Leaf Duration	Deciduous	Leaf Duration	Deciduous	Life Cycle	Gr. 90 cm	Body Length (BL) <td>35 mm (male)</td>	35 mm (male)
Flower Color	Yellow	Flower Color	Red	Flower Color	Gr. 90 cm	Body Length (BL) <td>35 mm (male)</td>	35 mm (male)
Sunlight: N	Full part sun or shade	Sunlight: N	Shade variable	Sunlight: N	Gr. 90 cm	Body Length (BL) <td>35 mm (male)</td>	35 mm (male)
Adaptations + Energy Source	Grasshopper	Adaptations + Energy Source	Grasshopper	Adaptations + Energy Source	Grasshopper	Body Length (BL) <td>35 mm (male)</td>	35 mm (male)
Growth: Tolerant to drought and air pollution	Grasshopper	Growth: Can grow in both swampy and dry soils	Grasshopper	Growth: Can grow in both swampy and dry soils	Grasshopper	Body Length (BL) <td>35 mm (male)</td>	35 mm (male)
Reproduction: Semelparous and air wings on seeds	Grasshopper	Reproduction: Can start producing seeds at 4 years	Grasshopper	Reproduction: Can start producing seeds at 4 years	Grasshopper	Body Length (BL) <td>35 mm (male)</td>	35 mm (male)
Energy: Sunlight, carbon dioxide, water	Grasshopper	Energy: Sunlight, carbon dioxide, water	Grasshopper	Energy: Sunlight, carbon dioxide, water	Grasshopper	Body Length (BL) <td>35 mm (male)</td>	35 mm (male)
Range: Most of CA, NW	Grasshopper	Range: Most of CA, NW	Grasshopper	Range: Most of CA, NW	Grasshopper	Body Length (BL) <td>35 mm (male)</td>	35 mm (male)
Northern Cricket Frog	Amphibians	Spotted Sandpiper	Birds	Yellow Fever Mosquito	Insects	Noddy	Marine
Acrocephalus	Amphibians	Actitis macularia	Birds	Wyeomyia	Insects	Noddy	Marine
Photo Web Page	Freshwater	Photo Web Page	Wetlands	Photo Web Page	Wetlands	Photo Web Page	Marine
Snout-vent Length	1.6 - 3.5 cm	Wingspan	37 - 40 cm	Adult Length	4 mm	Body Length	10 cm (male)

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Boston Harbor Migratory
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Boston Harbor Sandy Beach

Boston Harbor Seagrass

Beds

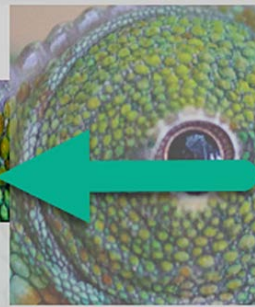
Boston Harbor Shellfish
Beds

Boston Harbor Tidal Flats

CNC Boston: Dandelion
Delight













CNC Boston: Delectable
Oysters

CNC Boston: Early Flare



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Life partner projects.

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<p>Northern Goshawk Accipiter gentilis</p>  <p>Food Web Role: Carnivore Temperate Forest IUCN Status: LC</p> <p>Wingspan: 98 - 115 cm Adult Weight: 0.6 - 1.4 kg Lifespan: 11 yrs (avg) Clutch/Broods: 2 - 4 (avg) Nest Type: Cup in tree fork</p> <p>Adaptations: Energy Sources: Physical: Broad wing, sharp talons, keen eyesight. Behavioral: Thinks in terms of survival, not reproduction. Energy: Sunlight, carbon dioxide, water.</p>	<p>Goshawk Accipiter gentilis</p>  <p>Food Web Role: Carnivore Alpine IUCN Status: LC</p> <p>Wingspan: 120 - 127 cm Adult Weight: 0.31 - 1.364 g Lifespan: 18 yrs (max) Clutch/Broods: 2 - 4 (avg) Nest Type: Eye in tree fork</p> <p>Adaptations: Energy Sources: Physical: Broad wing, sharp talons, keen eyesight. Behavioral: Thinks in terms of survival, not reproduction. Energy: Sunlight, carbon dioxide, water.</p>	<p>Eurasian Sparrow Hawk Accipiter nisus</p>  <p>Food Web Role: Carnivore Alpine IUCN Status: LC</p> <p>Wingspan: 55 - 98 cm Adult Weight: 110 - 342 g Lifespan: 3 yrs (avg) Clutch/Broods: 4 - 5 (avg) Nest Type: Platform in tree</p> <p>Adaptations: Energy Sources: Physical: Broad wing, sharp talons, keen eyesight. Behavioral: Thinks in terms of survival, not reproduction. Energy: Sunlight, carbon dioxide, water.</p>	<p>Boxelder Maple Acer negundo</p>  <p>Food Web Role: Carnivore Temperate Forest IUCN Status: LC</p> <p>Height: 9 - 18 m Growth Form: Tree Leaf Duration: Deciduous Flower Color: Yellow-green Sunlight/Soil: Part shade, moist</p> <p>Adaptations: Energy Sources: Physical: Broad wing, sharp talons, keen eyesight. Behavioral: Thinks in terms of survival, not reproduction. Energy: Sunlight, carbon dioxide, water.</p>
<p>Norway Maple Acer platanoides</p>  <p>Food Web Role: Carnivore Temperate Forest IUCN Status: LC</p> <p>Height: 12 - 15 m Growth Form: Tree Leaf Duration: Deciduous Flower Color: Yellow Sunlight/Soil: Full sun, dry</p> <p>Adaptations: Energy Sources: Physical: Broad wing, sharp talons, keen eyesight. Behavioral: Thinks in terms of survival, not reproduction. Energy: Sunlight, carbon dioxide, water.</p>	<p>Red Maple Acer rubrum</p>  <p>Food Web Role: Carnivore Temperate Forest IUCN Status: LC</p> <p>Height: 18 - 27 m Growth Form: Tree Leaf Duration: Deciduous Flower Color: Red Sunlight/Soil: Shaded, aquatic</p> <p>Adaptations: Energy Sources: Physical: Broad wing, sharp talons, keen eyesight. Behavioral: Thinks in terms of survival, not reproduction. Energy: Sunlight, carbon dioxide, water.</p>	<p>Yarrow Achillea millefolium</p>  <p>Food Web Role: Carnivore Alpine IUCN Status: LC</p> <p>Height: 60 - 90 cm Growth Form: Herbaceous Life Cycle: Perennial Flower Color: White Sunlight/Soil: Full sun, dry</p> <p>Adaptations: Energy Sources: Physical: Broad wing, sharp talons, keen eyesight. Behavioral: Thinks in terms of survival, not reproduction. Energy: Sunlight, carbon dioxide, water.</p>	<p>Atlantic Sturgeon Acipenser oxyrinchus</p>  <p>Food Web Role: Carnivore Marine IUCN Status: CR</p> <p>Body Length: 3.5 m (max) Adult Weight: 515 kg (max) Lifespan: 100 yrs (max) Number of Eggs: 1.5 - 2 million (avg) Nest Type: Absent</p> <p>Adaptations: Energy Sources: Physical: Broad wing, sharp talons, keen eyesight. Behavioral: Thinks in terms of survival, not reproduction. Energy: Sunlight, carbon dioxide, water.</p>
<p>Northern Cricket Frog Acris crepitans</p>  <p>Food Web Role: Carnivore Freshwater IUCN Status: LC</p> <p>Snout-vent Length: 1.6 - 3.5 cm</p> <p>Adaptations: Energy Sources: Physical: Broad wing, sharp talons, keen eyesight. Behavioral: Thinks in terms of survival, not reproduction. Energy: Sunlight, carbon dioxide, water.</p>	<p>Spotted Sandpiper Actos macularius</p>  <p>Food Web Role: Carnivore Multi IUCN Status: LC</p> <p>Wingspan: 37 - 40 cm</p> <p>Adaptations: Energy Sources: Physical: Broad wing, sharp talons, keen eyesight. Behavioral: Thinks in terms of survival, not reproduction. Energy: Sunlight, carbon dioxide, water.</p>	<p>Yellow Fever Mosquito Aedes aegypti</p>  <p>Food Web Role: Carnivore Aquatic IUCN Status: LC</p> <p>Adult Length: 4 mm</p> <p>Adaptations: Energy Sources: Physical: Broad wing, sharp talons, keen eyesight. Behavioral: Thinks in terms of survival, not reproduction. Energy: Sunlight, carbon dioxide, water.</p>	<p>Nudibranch Arion ater</p>  <p>Food Web Role: Carnivore Marine IUCN Status: LC</p> <p>Body Length: 10 cm (max)</p> <p>Adaptations: Energy Sources: Physical: Broad wing, sharp talons, keen eyesight. Behavioral: Thinks in terms of survival, not reproduction. Energy: Sunlight, carbon dioxide, water.</p>

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Andorran Pyrenees - Additional Vertebrates

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Andorran Pyrenees Passerine Birds

Andorran Pyrenees Plants

Aquatic Insects

Bioblitz Taxa

Boston Harbor Fouling Communities

Boston Harbor Migratory Fishways

Boston Harbor Rocky Intertidal

Boston Harbor Salt Marsh

Boston Harbor Sandy Beach

Boston Harbor Seagrass Beds

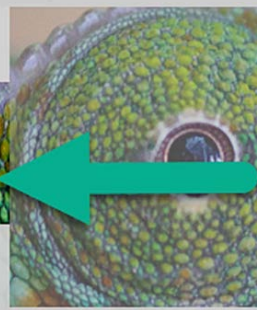
Boston Harbor Shellfish Beds

Boston Harbor Tidal Flats

CNC Boston: Dandelion Delight

CNC Boston: Delectable Oysters

CNC Boston: Early Flare



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Northern Goshawk
Accipiter gentilis

Food Web Role: Carnivore
Temperate Forest
IUCN Status: LC

Wingspan: 98 - 115 cm
Adult Weight: 0.6 - 1.4 kg
Lifespan: 11 yrs (avg)
Clutch/Broods: 2 - 4 (avg)
Nest Type: Cup in tree fork

Adaptations + Energy Sources:
Physical: Broad wing, sharp talons, keen eyesight
Behavioral: Thinks in terms of survival, not reproduction
Energy: Insects, small mammals, birds

Norway Maple
Acer platanoides

Food Web Role: Herbivore
Temperate Forest
IUCN Status: LC

Height: 12 - 15 m
Growth Form: Tree
Leaf Duration: Deciduous
Flower Color: Yellow
Sunlight/Soil: Full sun, moist

Adaptations + Energy Sources:
Growth: Tolerant to drought and air pollution
Reproduction: Samaras act as wings on seeds
Energy: Sunlight, carbon dioxide, water

Northern Cricket Frog
Acris crepitans

Food Web Role: Carnivore
Freshwater
IUCN Status: LC

Snout-vent Length: 1.0 - 3.5 cm

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Spotted Sandpiper
Actos macularius

Food Web Role: Carnivore
Multi
IUCN Status: LC

Wingspan: 37 - 40 cm

Yellow Fever Mosquito
Aedes albopictus

Food Web Role: Carnivore
Aquatic
IUCN Status: LC

Adult Length: 4 mm

Nudibranch
Arion ater

Food Web Role: Carnivore
Marine
IUCN Status: LC

Body Length: 10 cm (max)

Atlantic Sturgeon
Acipenser sturio

Food Web Role: Carnivore
Marine
IUCN Status: CR

Body Length: 3.5 m (max)
Adult Weight: 515 kg (max)
Lifespan: 100 yrs (max)
Number of Eggs: 1 - 2 million every 3 yrs
Nest Type: Absent

Adaptations + Energy Sources:
Physical: Very large, bony plates, long life span
Behavioral: Migrations, long life span
Energy: Fish, shellfish, small invertebrates

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Andorran Pyrenees -
Additional Vertebrates

Andorran Pyrenees Fungi

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Goshawk

Accipiter gentilis

eol
Birds

Food Web Role

CARN

Alpine



IUCN Status

LC

Wingspan 103 - 117 cm
Adult Weight 631-1364 g
Lifespan 18 yrs (max)
Clutch/Broods 2 - 4; 1/yr
Nest Type Eyrie in tree fork

Threats + Adaptability

Major threats: Wind energy developments
Adaptability: Thrives in agricultural lands
Population trend: Unknown

Image:

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Andorran Pyrenees Plants

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Andorran Pyrenees Earthwatch

Wildlife in the Changing
Ant Lopez.

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Boston Harbor Sandy Beach

Boston Harbor Seagrass
Beds

Boston Harbor Shellfish
Beds


Boston Harbor Tidal Flats

CNC Boston: Dandelion
Delight

CNC Boston: Delectable
Oysters

CNC Boston: Early Flies

eol Biodiversity Cards



Andorran Pyrenees Plants
Image: Albert Klok CC BY 3.0

eol Biodiversity Cards

In the high slopes of the Andorran Pyrenees climate change has already begun to alter the landscape and biodiversity. Some species are moving to higher latitudes, and some have begun to decline. Human land use also causes shifts in the natural order of things, but little research has been done on how people have impacted this particular place.

Wildlife in the Changing Andorran Pyrenees is an Earthwatch Institute project led by Dr. Bernat Claramunt i Lopez of CREAF. The project seeks to answer some of these questions and share the outcomes to address these pressing issues.

Project Description

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Adaptability: The ability of an organism to adjust to new environmental conditions.

Artemisium: The most of a habitat's forest, especially on land not so much by forested.

Annual: Life cycle in which plants bloom, produce seeds and die in a single year.

Ephemeral: Transitory, lasting a very short time.

Fragmentation: Habitat loss due to division of large, continuous habitats into smaller, more isolated land.

Growth Form: Characterization of plants as trees, shrubs, herbaceous and graminoid (grass-like).

Leaf Duration: Trees and shrubs are evergreen (retains green leaves all year) and deciduous (loses all leaves in fall).

Perennial: Life cycle in which plants regrow each spring.

Vocabulary

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Common name
Scientific name
Taxon group

Food web role

Apex predator	Herbivore
Autotroph	Microtroph
Carnivore	Mutualist
Decomposer	Omnivore
Detritivore	Symbiont

IUCN's status

Least concern	Extinct
Near threatened	Data deficient
Vulnerable	Not evaluated
Endangered	
Critically endangered	
Extinct in the wild	

Key

eol Biodiversity Cards

Yarrow
Achillea millefolium
Flowering Plants

Food Web Role
Alpine
IUCN Status

Height
60 - 150 cm
Growth Form
Herbaceous
Life Cycle
Perennial
Flower Color
White
Sunlight/Soil
Full sun; dry

Threats & Adaptability
Major threats: None
Adaptability: Thrives in open habitats
Population trend: Globally unknown

eol Biodiversity Cards

Bearberry
Arctostaphylos uva-ursi
Flowering Plants

Food Web Role
Alpine
IUCN Status

Height
15 - 30 cm
Growth Form
Shrub
Life Cycle
Perennial
Flower Color
White to pink
Sunlight/Soil
Part shade; dry

Threats & Adaptability
Major threats: Human development, herbicides
Adaptability: Tolerant to drought, very winter-hardy
Population trend: Globally unknown

eol Biodiversity Cards

Thrift Seapink
Artemisia maritima
Flowering Plants

Food Web Role
Alpine
IUCN Status

Height
15 - 30 cm
Growth Form
Herbaceous
Life Cycle
Perennial
Flower Color
Pink to white
Sunlight/Soil
Full sun; dry

Threats & Adaptability
Major threats: Human development, herbicides
Adaptability: Tolerant to drought, very winter-hardy
Population trend: Globally unknown

eol Biodiversity Cards

Silver Birch
Betula pendula
Flowering Plants

Food Web Role
Alpine
IUCN Status

Height
10 - 12 m
Growth Form
Tree
Life Cycle
Deciduous
Flower Color
Yellow to brown
Sunlight/Soil
Full sun; wet

Threats & Adaptability
Major threats: Fragmentation
Adaptability: Thrives in burned forest
Population trend: Stable, localized fragmentation

eol Biodiversity Cards

Scotch Heather
Calluna vulgaris
Flowering Plants

Food Web Role
Alpine
IUCN Status

Height
30 - 60 cm

eol Biodiversity Cards

Kingcup
Caltha palustris
Flowering Plants

Food Web Role
Alpine
IUCN Status

Height
30 - 45 cm

eol Biodiversity Cards

Alpine Chickweed
Cerastium alpinum
Flowering Plants

Food Web Role
Alpine
IUCN Status

Height
5 - 20 cm

eol Biodiversity Cards

Hawthorn
Crataegus monogyna
Flowering Plants

Food Web Role
Alpine
IUCN Status

Height
1.8 m (max)

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Boston Harbor Tidal Flats

CNC Boston: Dandelion
DelightCNC Boston: Delectable
Oysters

CNC Boston: Early Rivers

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Northern Goshawk

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Food Web Role: **Consumer** Temperate Forest: **LC** IUCN Status: **LC**

Wingspan: 98 - 115 cm
Adult Weight: 0.6 - 1.4 kg
Lifespan: 11 yrs (avg)
Clutch/Broods: 2 - 4 eggs
Nest Type: Cup (1 hole or 600)

Adaptations: Strong Soar
Physical: Sharp beak and legs to catch and kill prey
Reproduction: Nest in trees and shrubs; incubates for 28 days; parents feed young for 4 weeks

Goshawk

eol



Food Web Role: **Consumer** Temperate Forest: **LC** IUCN Status: **LC**

Wingspan: 98 - 115 cm
Adult Weight: 0.6 - 1.4 kg
Lifespan: 11 yrs (avg)
Clutch/Broods: 2 - 4 eggs
Nest Type: Cup (1 hole or 600)

Adaptations: Strong Soar
Physical: Sharp beak and legs to catch and kill prey
Reproduction: Nest in trees and shrubs; incubates for 28 days; parents feed young for 4 weeks

Norway Maple

eol



Food Web Role: **Producer** Temperate Forest: **LC** IUCN Status: **LC**

Height: 12 - 15 m
Growth Form: Tree
Leaf Duration: Deciduous
Flower Color: Yellow
Sunlight/Soil: Full - part sun, drained

Adaptations: Energy Sources
Growth: Tolerant to drought and air pollution
Reproduction: Samaras act as wings on seeds
Energy: Sunlight, carbon dioxide, water

Red Maple

eol



Food Web Role: **Producer** Temperate Forest: **LC** IUCN Status: **LC**

Height: 18 - 27 m
Growth Form: Tree
Leaf Duration: Deciduous
Flower Color: Red
Sunlight/Soil: Shaded variable

Adaptations: Energy Sources
Growth: Can grow in both swamps and dry soils
Reproduction: Can't produce seeds at 4 years
Energy: Sunlight, carbon dioxide, water

Yellow

eol



Food Web Role: **Producer** Temperate Forest: **LC** IUCN Status: **LC**

Height: 60 - 100 cm
Growth Form: Herbaceous
Leaf Duration: Perennial
Flower Color: White
Sunlight/Soil: Full sun, dry

Adaptations: Energy Sources
Growth: Tolerant to drought and air pollution
Reproduction: Can't produce seeds at 4 years
Energy: Sunlight, carbon dioxide, water

Atlantic Sturgeon

eol



Food Web Role: **Consumer** Marine: **LC** IUCN Status: **LC**

Body Length: 3.5 m (max)
Adult Weight: 515 kg (max)
Lifespan: 100 yrs (max)
Number of Eggs: 1.5 - 2 million every 15 yrs
Nest Type: Abroad

Adaptations: Energy Sources
Physical: Whiskers, lower jaw, bony scutes
Reproduction: Spawns in shallow water; eggs are large and sticky

Northern Cricket Frog

eol



Food Web Role: **Consumer** Freshwater: **LC** IUCN Status: **LC**

Snout-vent Length: 1.6 - 3.5 cm

Adaptations: Energy Sources
Growth: Tolerant to drought and air pollution
Reproduction: Can't produce seeds at 4 years
Energy: Sunlight, carbon dioxide, water

Spotted Sandpiper

eol



Food Web Role: **Consumer** Wetland: **LC** IUCN Status: **LC**

Wingspan: 37 - 40 cm

Adaptations: Energy Sources
Growth: Tolerant to drought and air pollution
Reproduction: Can't produce seeds at 4 years
Energy: Sunlight, carbon dioxide, water

Yellow Fever Mosquito

eol



Food Web Role: **Consumer** Aquatic: **LC** IUCN Status: **LC**

Adult Length: 4 mm

Adaptations: Energy Sources
Growth: Tolerant to drought and air pollution
Reproduction: Can't produce seeds at 4 years
Energy: Sunlight, carbon dioxide, water

Nudibranch

eol



Food Web Role: **Consumer** Marine: **LC** IUCN Status: **LC**

Body Length: 10 cm (max)

Adaptations: Energy Sources
Physical: No shell; slow moving
Reproduction: Lays eggs in clusters

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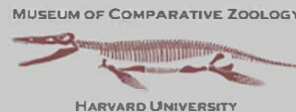
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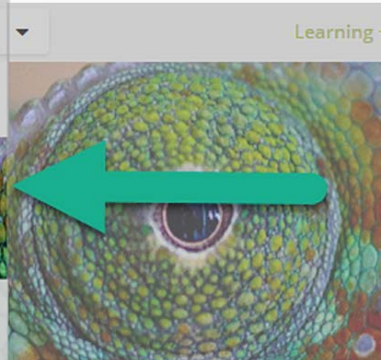
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EOL Example Deck

My favorite species

Sea Turtles of the World

Wright Farm



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Common name: *My favorite animals*
Scientific name: *Image: Paul Mantz CC-BY-SA*

Food web role: *Apex predator*

IUCN status: *Least concern*

Common name: *Red-backed Salamander*
Scientific name: *Plethodon cinereus*

Food web role: *Herbivore*

IUCN status: *Least concern*

Common name: *Eastern Hemlock*
Scientific name: *Tsuga canadensis*

Food web role: *Herbivore*

IUCN status: *Least concern*

Common name: *Black-capped Chickadee*
Scientific name: *Parus atricapillus*

Food web role: *Herbivore*

IUCN status: *Least concern*

Common name: *Common Puffball*
Scientific name: *Lycoperdon perlatum*

Food web role: *Non-nutrient*

IUCN status: *Least concern*

Common name: *Olive Ridley Sea Turtle*
Scientific name: *Lepidochelys olivacea*

Food web role: *Marine*

IUCN status: *Least concern*

Common name: *Monarch*
Scientific name: *Danais plexippus*

Food web role: *Non-nutrient*

IUCN status: *Least concern*

card
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EOL Example Deck

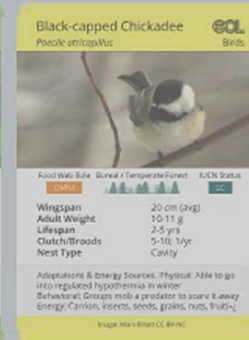
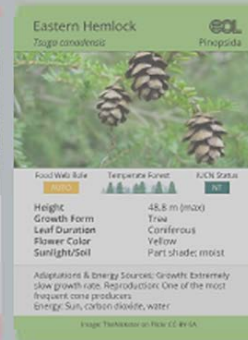
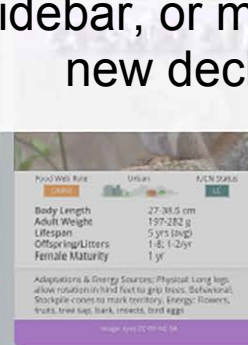
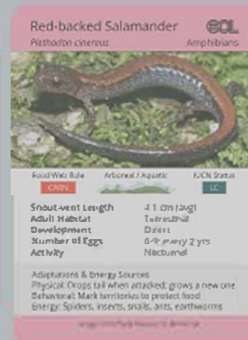
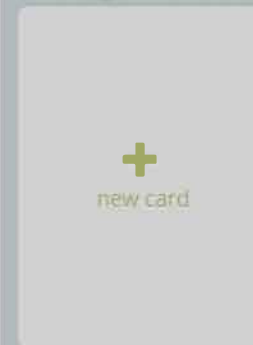
My favorite species

Sea Turtles of the World

Wright Farm



Decks
View a list of your
card decks in the left
sidebar, or make a
new deck.



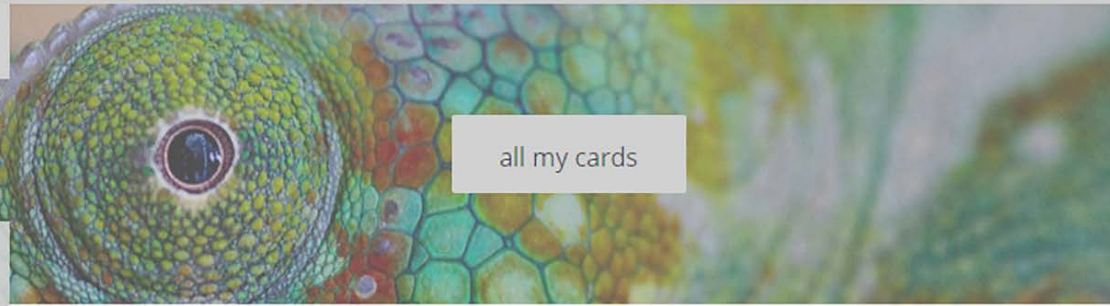
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my cards

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search decks

+ new deck



all my cards

search cards

Sort: recently edited

Cards
View all of your cards here or click "New Card" to create one.



+ new card

Common name
Scientific name
Tadpole

Food web role

MS	Apex predator	MS	Herbivore
MS	Autotroph	MS	Heterotroph
MS	Carnivore	MS	Multiple
MS	Decomposer	MS	Densivore
MS	Detritivore	MS	Sanguivore

IUCN status

Least concern	Extinct
Near threatened	Data deficient
Vulnerable	Not evaluated
Endangered	
Critically endangered	
Extinct in the wild	

Key

Biodiversity Cards

My favorite animals
Image: Paul Mantz CC-BY-SA

Red Squirrel
Tamiascus amoenus
Mammals

Food Web Role
Carnivore

Urban
IUCN Status: LC

Body Length
27-35.5 cm

Adult Weight
197-282 g

Lifespan
5 yrs (max)

Offspring/Litters
1-8, 1-2/yr

Female Maturity
1 yr

Adaptations & Energy Sources: Physical: Long legs, allow rotation in hind feet to grip trees. Behavioral: Stockpile cones to mark territory. Energy: Flowers, fruits, tree sap, bark, insects, bird eggs

Echinoderms

Sea Urchin
IUCN Status: LC

Size
Mostly

Lifespan
Reproduction

Zonation

Red-backed Salamander
Plethodon cinereus
Amphibians

Food Web Role
Carnivore

Aquatic
IUCN Status: LC

Snout-vent Length
4.1 cm (avg)

Adult Habitat
Terrestrial

Development
Direct

Number of Eggs
9-16 every 2 yrs

Activity
Nocturnal

Adaptations & Energy Sources: Physical: Drops tail when attacked, grows a new one. Behavioral: Hides in rocks to avoid predators. Energy: Spiders, insects, snails, earthworms

Eastern Hemlock
Tsuga canadensis
Pinopsida

Food Web Role
Carnivore

Temperate Forest
IUCN Status: LC

Height
35.8 m (max)

Growth Form
Tree

Leaf Duration
Evergreen

Bark Color
Yellow

Shade Tolerance
Part shade, moist

Adaptations & Energy Sources: Physical: Thick bark, fire-resistant. Behavioral: Grows in shade. Energy: Sun, carbon dioxide, water

Black-capped Chickadee
Parus atricapillus
Birds

Food Web Role
Carnivore

Temperate Forest
IUCN Status: LC

Wingspan
20 cm (avg)

Adult Weight
10-11 g

Lifespan
2-5 yrs

Clutch/Broods
5-10, 1-1/yr

Nest Type
Cavity

Adaptations & Energy Sources: Physical: Able to fly in 110 degrees Fahrenheit in winter. Behavioral: Grows in shade to avoid predators. Energy: Sun, carbon dioxide, water

Common Puffball
Lycoperdon perlatum
Fungi

Food Web Role
Carnivore

Non-meat
IUCN Status: LC

Cap Size
2-4 cm

Olive Ridley Sea Turtle
Lepidochelys olivacea
Reptiles

Food Web Role
Carnivore

Marine
IUCN Status: LC

Carette Length
55-80 cm

Monarch
Danais plexippus
Insects

Food Web Role
Carnivore

Non-meat
IUCN Status: LC

Wingspan
8.6-12.4 cm

Proteas

Cells

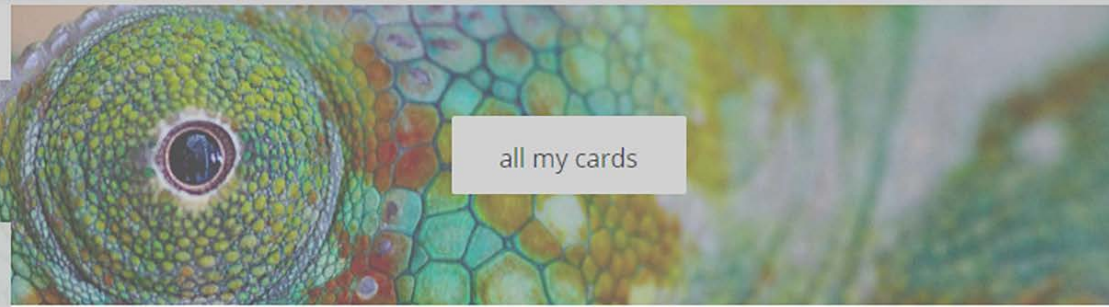
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Sort: recently edited

Hover over a card to edit, expand view, copy, or delete it.



new card

edit

expand

copy

delete

my favorite animals

Common name

Scientific name

Food web role

IUCN status

Key

Common Puffball

Ecoperdon pectatum

Food Web Role

Non-meat

IUCN Status

Cap Size

2-4 cm

Red-backed Salamander

Plethodon cinereus

Food Web Role

Carnivore

Aquatic

IUCN Status

LC

Snout-vent Length

Adult Habitat

Development

Number of Eggs

Activity

4.1 cm (avg)

Terrrestrial

Ovoviviparous

0-10, avg 2-3

Nocturnal

Adaptations & Energy Sources

Physical

Adaptations

Adaptations & Energy Sources

Physical

Adaptations

Eastern Hemlock

Tsuga canadensis

Food Web Role

Decomposer

Temperate Forest

IUCN Status

LC

Height

Growth Form

Leaf Duration

Blossom Color

Sunlight/Soil

48.8 m (162 ft)

Tree

Continuous

Yellow

Partial shade, moist

Adaptations & Energy Sources

Physical

Adaptations

Adaptations & Energy Sources

Physical

Adaptations

Black-capped Chickadee

Parus atricapillus

Food Web Role

Granivore

Temperate Forest

IUCN Status

LC

Wingspan

Adult Weight

Lifespan

Clutch/Broods

Nest Type

20 cm (8 in)

10-11 g

2-5 yrs

5-10, 1 yr

Cavity

Adaptations & Energy Sources

Physical

Adaptations

Adaptations & Energy Sources

Physical

Adaptations

Olive Ridley Sea Turtle

Lepidochelys olivacea

Food Web Role

Marine

IUCN Status

EN

Carapace Length

55-80 cm

Adaptations & Energy Sources

Physical

Adaptations

Adaptations & Energy Sources

Physical

Adaptations

Monarch

Danais plexippus

Food Web Role

Non-meat

IUCN Status

LC

Wingspan

80-124 mm

Adaptations & Energy Sources

Physical

Adaptations

Adaptations & Energy Sources

Physical

Adaptations

Red Squirrel

Tamiasciurus hudsonicus

Food Web Role

Granivore

Urban

IUCN Status

LC

Body Length

Adult Weight

Lifespan

Offspring/Litters

Female Maturity

27-30 cm

197-282 g

5 yrs (avg)

1-4, 1-2 yr

1 yr

Adaptations & Energy Sources

Physical

Adaptations

Adaptations & Energy Sources

Physical

Adaptations

Echinoderms

Sea urchin

Food Web Role

Detritivore

Marine

IUCN Status

LC

Size

Motility

Lifespan

Reproduction

Zonation

5-10 cm

Low

1-2 yrs

Many

Intertidal

Adaptations & Energy Sources

Physical

Adaptations

Adaptations & Energy Sources

Physical

Adaptations

card
maker (beta)

my cards

public cards

search decks

new deck

all cards

unassigned

EOL Example Deck

My favorite species

Sea Turtles of the World

Wright Farm



Click on a deck in the left sidebar to view or edit the cards from that specific deck.











Wright Farm

This deck highlights 15 common organisms found on mixed-use conservation land near Boston, MA, USA. Learn about adaptations and energy sources for these species.

search cards

Sort: recently edited

+
new card

 <p>Red Squirrel <i>Tamiasciurus hudsonicus</i> Mammals</p> <p>Pool Web Rule: Urban Body Length: 27-30.5 cm Adult Weight: 197-282 g Lifespan: 5 yrs (avg) Offspring/Litters: 1-3; 1-2 yr Female Maturity: 1 yr</p> <p>Adaptations & Energy Sources: Physical: Long legs allow rotation in hind feet to grip trees. Behavioral: Sockpile comes to mark territory. Energy: Flowers, fruits, tree sap, bark, insects, bird eggs.</p>	 <p>Red-backed Salamander <i>Plethodon cinereus</i> Amphibians</p> <p>Pool Web Rule: Arched / Riparian Body Length: 4.1 cm (avg) Adult Habitat: Terrestrial Development: Direct Number of Eggs: 6-12 every 2 yrs Activity: Nocturnal</p> <p>Adaptations & Energy Sources: Physical: Skin can breathe. Behavioral: Skin secretes mucus to keep skin moist. Energy: Insects, earthworms, small aquatic insects.</p>	 <p>Eastern Hemlock <i>Tsuga canadensis</i> Pinopsida</p> <p>Pool Web Rule: Temperate Forest Height: 45-60 m (tall) Growth Form: Tree Leaf Duration: Coniferous Flower Color: Yellow Sunlight: mbs</p> <p>Adaptations & Energy Sources: Growth: Extremely slow growth rate. Reproduction: One of the most fire-resistant conifers. Energy: Sun, carbon dioxide, water.</p>	
 <p>Black-capped Chickadee <i>Parus atricapillus</i> Birds</p> <p>Pool Web Rule: 4 / Temperate Forest Body Length: 20 cm (avg) Adult Weight: 10-11 g Lifespan: 2-5 yrs Offspring/Litters: 5-10, 10 yr Female Maturity: 1 yr</p> <p>Adaptations & Energy Sources: Physical: Able to fly in winter. Behavioral: Feeds in winter. Energy: Insects, seeds, berries, tree sap.</p>	 <p>Common Puffball <i>Cyclopium perforatum</i> Fungi</p> <p>Pool Web Rule: Non-marine Cap Size: 2-4 cm Growth Habit: Shrub-like Spore Surface: Cracked Cap Color: White Spore Print: Brown</p> <p>Adaptations & Energy Sources: Growth: Fruiting bodies grow singly, scattered, or clustered. Reproduction: Spores are dispersed by wind or water. Energy: Absorbs nutrients from plant matter.</p>	 <p>Monarch <i>Danaus plexippus</i> Insects</p> <p>Pool Web Rule: Non-marine Wingspan: 8.6-12.4 cm Development: Complete Adult Lifespan: 2-6 weeks Number of Eggs: 200 (avg) Wings: 2 pairs</p> <p>Adaptations & Energy Sources: Physical: Camouflage, warning coloration. Behavioral: Migrate long distances. Energy: Nectar, milkweed.</p>	 <p>Black-legged Tick <i>Ixodes scapularis</i> Arachnids</p> <p>Pool Web Rule: Coast / Forest Body Length: 1-3 mm Development: Indirect Lifespan: 2 yrs (avg) Number of Eggs: 800 (avg) Activity: Diurnal</p> <p>Adaptations & Energy Sources: Physical: Body region expands, retracts. Behavioral: Male does mating. Female does egg laying. Energy: Blood of various mammals.</p>
 <p>Asian Staff-vine <i>Celastrus orbiculatus</i> Flowering Plants</p> <p>Pool Web Rule: Deciduous Forest Height: 9.1 m (avg)</p> <p>Adaptations & Energy Sources: Growth: Fast growing. Reproduction: Spores are dispersed by wind or water. Energy: Sun, carbon dioxide, water.</p>	 <p>White-footed Mouse <i>Peromyscus leucopus</i> Mammals</p> <p>Pool Web Rule: Desert / Grasslands Body Length: 15-21 cm</p> <p>Adaptations & Energy Sources: Physical: Long ears. Behavioral: Nocturnal. Energy: Insects, seeds, fruits.</p>	 <p>Wasps <i>Vespa</i> Insects</p> <p>Pool Web Rule: Non-marine Adult Body Length: 1.3-2.1 cm</p> <p>Adaptations & Energy Sources: Physical: Stinging. Behavioral: Social. Energy: Nectar, insects.</p>	

Click the deck title in the header to print, make a copy, add or edit a description, rename the deck, or manage the deck users.

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conservation land near Boston, MA, USA.

Sort: recently edited ▾

EOL Example Deck

My favorite species

Sea Turtles of the World

Wright Farm

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Red Squirrel
Tamiasciurus hudsonicus

Food Web Role: Consumer **Upland:** Yes **R/CN Status:** LC

Body Length: 47-51.5 cm
Adult Weight: 197-282 g
Lifespan: 5 yrs (avg)
Orange Impalers: 1-4, 1-2 yr
Female Maturity: 1 yr

Adaptations & Energy Sources: Physical: Long legs allow rodents in hind feet to grip trees. Behavioral: Stockpile cones to mark territory. Energy: Flowers, fruits, tree sap, bark, insects, bird eggs.

Image: Ryan CC BY-SA

Red-backed Salamander
Plethodon cinereus

Food Web Role: Arboreal / Aquatic **R/CN Status:** LC

Snout-vent Length: 4-11 cm (avg)
Adult Habitat: Terrestrial
Development: Direct
Number of Eggs: 6-16 every 2 yrs
Activity: Nocturnal

Adaptations & Energy Sources: Physical: Dorsal fold when attached, grows a nose one. Behavioral: Mark territories to protect food. Energy: Spiders, insects, small ants, earthworms.

Image: 2010 Todd Peruse CC BY-NC-SA

Eastern Hemlock
Tsuga canadensis

Food Web Role: Temperate Forest **R/CN Status:** NT

Height: 48.8 m (max)
Growth Form: Tree
Leaf Duration: Coniferous
Flower Color: Yellow
Sunlight/Soil: Part shade, moist

Adaptations & Energy Sources: Growth: Extremely slow growth rate. Reproduction: One of the most frequent cone producers. Energy: Sun, carbon dioxide, water.

Image: Thompson on Flickr CC BY-SA

Black-capped Chickadee
Parus atricapillus

Food Web Role: Dweller / Temperate Forest **R/CN Status:** LC

Wingspan: 20 cm (avg)
Adult Weight: 10-11 g
Lifespan: 2-5 yrs
Clutch/Broods: 5-10, 1-2 yr
Nest Type: Cavity

Adaptations & Energy Sources: Physical: Able to go into regulated hypothermia in winter. Behavioral: Groups mob a predator to scare it away. Energy: Canis, insects, seeds, grains, nuts, buds.

Image: Maria Blom CC BY-NC

Common Puffball
Lycoperdon perlatum

Food Web Role: Non-meat **R/CN Status:** NE

Cap Size: 2-4 cm
Growth Habit: Sterile stalk
Spore Surface: Outlets
Cap Color: White
Spore Print: Brown

Adaptations & Energy Sources: Growth: Fruit bodies grow singly, scattered, or clustered. Reproduction: Spores dispersed in smoke-like spray. Energy: Nutrients from plant matter.

Image: Blom CC BY-NC

Monarch
Danais plexippus

Food Web Role: Non-meat **R/CN Status:** LC

Wingspan: 8.6-12.2 cm
Development: Complete
Adult Lifespan: 2-6 weeks
Number of Eggs: 700 (avg)
Wings: 2 per fly

Adaptations & Energy Sources: Physical: Colorful wings off predators. Behavioral: Migrate every season. Energy: Milkweed, nectar.

Image: Wikipedia Commons Wikimedia CC BY-SA

Black-legged Tick
Ixodes trianguliceps

Food Web Role: Scavenger **Coast / Forest:** Yes **R/CN Status:** NE

Body Length: 0.3 mm
Development: Incomplete
Lifespan: 2-3 yrs (avg)
Number of Eggs: 800 (avg)
Activity: Diurnal

Adaptations & Energy Sources: Physical: Rear body region expands; body bloodmeal. Behavioral: Male does mating; female does egg laying. Energy: Blood of various mammals.

Image: Blom CC BY-NC-SA

Bumblebees
Bombus

Food Web Role: Multi **R/CN Status:** LC

Adult Body Length: 0.9-1.9 cm

Asian Staff-vine
Celastrus orbiculatus

Food Web Role: Deciduous Forest **R/CN Status:** NE

Height: 9.1 m (avg)

White-footed Mouse
Peromyscus leucopus

Food Web Role: Desert / Grasslands **R/CN Status:** LC

Body Length: 15-21 cm

Wasps
Vespa

Food Web Role: Non-meat **R/CN Status:** LC

Adult Body Length: 1.5-2.1 cm

card
maker (beta)

my cards

Wright Farm ▾

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conservation land near Boston, MA, USA.

Sort: recently edited ▾

Select "Manage Deck Users" to share your deck with teachers, students, and friends by user name. This will give them the ability to view and edit the cards in this deck.

The grid displays 12 cards, each with a title, scientific name, common name, and various biological details. The cards are arranged in a 3x4 grid.

- Red Squirrel** (*Tamiasciurus hudsonicus*) - Mammals: Body Length 27-35 cm, Adult Weight 197-282 g, Lifespan 5 yrs (avg), Diet 1-2% (veg), Female Maturity 1 yr.
- Red-backed Salamander** (*Plethodon cinereus*) - Amphibians: 1 root-vent Length 4-1 cm (avg), Adult Habitat Terrestrial, Development Direct, Number of Eggs 6-10 (avg), 2 yrs (fertilized).
- Eastern Hemlock** (*Pseudotsuga canadensis*) - Pinus: Height 48.8 m (max), Growth Form Tree, Leaf Duration Yellow, Flower Color Part shade, moist.
- Black-capped Chickadee** (*Parus atricapillus*) - Birds: Wingspan 20 cm (avg), Adult Weight 10-11 g, Lifespan 2-5 yrs, Clutch/Broods 5-10, 1 yr, Cavity.
- Common Puffball** (*Lycoperdon perlatum*) - Fungi: Cap Size 2-4 cm, Growth Habit Sterile stalk, Spore Surface Outlets, Cap Color White, Spore Print Brown.
- Monarch** (*Danais plexippus*) - Insects: Wingspan 8.6-12.2 cm, Development Complete, Adult Lifespan 2-4 weeks, Number of Eggs 700 (avg), 2 (per 1).
- Black-legged Tick** (*Ixodes trianguliceps*) - Arachnids: Body Length 0.3 mm, Development 2-3 (avg), Lifespan 10-12 (avg), Number of Eggs 1000 (avg), Activity Diurnal.
- Bumblebees** (*Bombus*) - Insects: Adult Body Length 0.9-1.9 cm.
- Asian Staff-vine** (*Celastrus orbiculatus*) - Flowering Plants: Height 9.1 m (avg).
- White-footed Mouse** (*Peromyscus leucopus*) - Mammals: Body Length 15-21 cm.
- Wasps** (*Vespa*) - Insects: Adult Body Length 1.5-2.1 cm.

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my cards

public cards

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all cards

Andorran Pyrenees -

Additional Vertebrate

Andorran Pyrenees F

Andorran Pyrenees

Passerine Birds

Andorran Pyrenees P

Aquatic Insects

Bioblitz Taxa

Boston Harbor Foulir

Communities

Boston Harbor Migra

Fishways

Boston Harbor Rocky

Intertidal

Boston Harbor Salt M

Boston Harbor Sandy Beach

Boston Harbor Seagrass

Beds

Boston Harbor Shellfish

Beds

Boston Harbor Tidal Flats

CNC Boston: Dandelion

Delight

CNC Boston: Delectable

Oysters

CNC Boston: Early Rivers

search cards

Sort: scientific name (a-z)

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Encyclopedia of Life tutorial.
Have fun exploring public cards
and creating your own!

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Height: 12 - 15 in.
Growth Form: Tree
Leaf Duration: Deciduous
Flower Color: Yellow
Sunlight/Soil: full - part sun, drained

Adaptations + Energy Sources:
Growth: Tolerant to drought and air pollution.
Reproduction: Samaras act as wings on seeds.
Energy: Sunlight, carbon dioxide, water.

Image: Bruce C. BPAC

Height: 18 - 27 in.
Growth Form: Tree
Leaf Duration: Deciduous
Flower Color: Red
Sunlight/Soil: Shade - variable

Adaptations + Energy Sources:
Growth: Can grow in both swamps and dry soils.
Reproduction: Can start producing seeds at 4 years.
Energy: Sunlight, carbon dioxide, water.

Image: May 2000 CC-BY-NC-SA

Height: 60 - 90 cm
Growth Form: Herbaceous
Life Cycle: Perennial
Flower Color: White
Sunlight/Soil: Full sun, d'ry

Threats + Adaptability:
Major threats: None.
Adaptability: Thrives in man-made habitats.
Population trend: Globally unknown.

Image: Bruce C. BPAC

Body Length: 3.5 m (max)
Adult Weight: 515 kg (max)
Life Span: 100 yrs (max)
Number of Eggs: 1.5 - 2 million every 8-9 yrs
Nest Type: Absent

Adaptations + Energy Sources:
Reproduction: Whiskers detect prey location.
Defense: 42 teeth as a threat to hunt the swimming prey.
Energy: Absorbs invertebrates and small fish.

Image: Wikimedia Commons (public) CC-BY-SA

Northern Cricket Frog
Acris crepitans
Amphibians

Food Web Role: Invertebrate
Habitat: Freshwater
IUCN Status: LC

Snout-vent Length: 1.6 - 3.5 cm

Spotted Sandpiper
Actos macularius
Birds

Food Web Role: Multi
Habitat: Multi
IUCN Status: LC

Wingspan: 37 - 40 cm

Yellow Fever Mosquito
Aedes aegypti
Insects

Food Web Role: Invertebrate
Habitat: Aquatic
IUCN Status: LC

Adult Length: 4 mm

Nudibranch
Arion ater
Mollusks

Food Web Role: Invertebrate
Habitat: Marine
IUCN Status: LC

Body Length: 10 cm (max)