



Okaloosa County, FL Freshwater Forested Wetlands

Explore the fascinating biodiversity of swampy freshwater forested wetlands with cards for 50 organisms that interact in this system.

This card deck has been developed as part of the Okaloosa SCIENCE project, a collaborative STEM education grant for Okaloosa County School District in Florida. The goals of this project include enhancing scientific literacy, connecting to place, and building community by engaging in hands-on activities.

Find this card deck and more at:
education.eol.org/species_cards



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Title Image Credit: Ricardo Manual CC-BY

Project Description

Alligator Snapping Turtle *Macrochelys temminckii*

eol
Reptiles



Okaloosa County, Florida
+
Freshwater Forested Wetlands

OMNI
Foodweb Role

| | |
|-----------------|--------------------|
| Carapace Length | 66 cm (avg) |
| Adult Weight | 70-80 kg |
| Lifespan | 23-26 yrs (avg) |
| Number of Eggs | 8-52; 1 brood/yr |
| Activity | Nocturnal, diurnal |

VU
IUCN Redlist™

Geographic Range

Native to Eastern U.S. from Long Island south to Florida and West to Missouri, Oklahoma, and Texas

Image: Stoltz, Gary M.

American Alligator *Alligator mississippiensis*

eol
Reptiles



Okaloosa County, Florida
+
Freshwater Forested Wetlands

CARN
Foodweb Role

| | |
|-------------------|-------------------|
| Snout-vent Length | 3-4.5 m |
| Adult Weight | 150 kg |
| Lifespan | 30-50 yrs (avg) |
| Number of Eggs | 30-50; 1 brood/yr |
| Activity | All |

LC
IUCN Redlist™

Geographic Range

Native from southern Virginia south along Atlantic coast through Florida, along Gulf coast to the Rio Grande River in Texas

Image: Greg Lasley CC-BY-NC

Common Name

Scientific Name

Taxon Group

Food Web Roles

| | |
|------|--|
| DECO | Decomposer: Energy from dead material |
| AUTO | Autotroph: Energy from sun, water, CO ₂ |
| 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

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

NE Not Evaluated
 VU Vulnerable
 CR Critically Endangered
 EW Extinct in Wild
 EX Extinct

eol
Mammals

American Mink *Neovison vison*



Okaloosa County, Florida
+
Freshwater Forested Wetlands

CARN
Foodweb Role

| | |
|-------------------|--------------|
| Body Length | 30-43 cm |
| Adult Weight | 700-1600 g |
| Lifespan | 10 yrs (max) |
| Offspring/Litters | 1-8; 1/yr |
| Female Maturity | 10 months |

LC
IUCN Redlist™

Geographic Range
Native across Alaska, Canada, and in U.S. from the Rockies east to Atlantic coast; introduced in Newfoundland and Europe

Image: Brian Walker CC-BY-NC



American Sweetgum

Liquidambar styraciflua Flowering Plants



| | |
|---------------|------------------|
| Height | 25 m (avg) |
| Growth Form | Tree |
| Leaf Duration | Deciduous |
| Flower Color | Green |
| Sunlight/Soil | Sun/shade; moist |



Geographic Range
Native from Connecticut south to central Florida, west to Illinois through Mississippi River Valley to Texas, and parts of Central America

Image: Shane Vaughn CC-BY

Atlantic White Cedar

Chamaecyparis thyoides Conifers



| | |
|---------------|--------------------|
| Height | 20-28 m |
| Growth Form | Tree |
| Leaf Duration | Evergreen |
| Flower Color | Green |
| Sunlight/Soil | Part shade; acidic |



Geographic Range
Native along Atlantic and Gulf coastal plains from Maine south to Florida, west to Alabama and Mississippi

Image: Crusier CC-BY

Bald Cypress

Taxodium distichum Conifers



| | |
|---------------|-------------------|
| Height | 15-21 m |
| Growth Form | Tree |
| Leaf Duration | Deciduous |
| Flower Color | Purple |
| Sunlight/Soil | Sun; moist/acidic |



Geographic Range
Native along Atlantic and Gulf plains from southern Delaware south to Florida, west to Texas and through Mississippi Valley to Oklahoma, Missouri, and Illinois

Image: Steven J. Baskauf CC-BY-NC-SA

Black Titi

Clintonia monophylla Flowering Plants



| | |
|---------------|----------------|
| Height | 3.6-5.5 m |
| Growth Form | Shrub/Tree |
| Leaf Duration | Evergreen |
| Flower Color | White, pink |
| Sunlight/Soil | Sun; wet/sandy |



Geographic Range
Native along southeastern coastal plains from South Carolina through northern Florida, along Gulf coast to eastern Louisiana

Image: Smithsonian Institution, National Museum of Natural History, Department of Botany

Bladder Snail

Physidae Gastropods



| | |
|----------------|------------|
| Body Length | 0.6-1.3 cm |
| Shell/Mantle | Shell |
| Lifespan | 3-5 yrs |
| Number of Eggs | 200 (avg) |
| Activity | Diurnal |



Geographic Range
Native to eastern U.S., from Maine west to Iowa, and south to Texas and Florida; introduced widely in Europe

Image: Jan Ševčík

Bowfin

Amia calva Fish



| | |
|----------------|--------------|
| Adult Length | 45-61 cm |
| Adult Weight | 975 g (avg) |
| Lifespan | 12 yrs (avg) |
| Number of Eggs | 2,000-5,000 |
| Nest | Sticks |



Geographic Range
Native from the upper St. Lawrence River in Quebec and Ontario to southern Texas and Florida

Image: Brian Gratwicke CC-BY



Caddisflies

Trichoptera

eol
Insects



Okaloosa County, Florida
+ Freshwater Forested Wetlands

DETR

Foodweb
Role

Adult Body Length 2.54 cm (max)

Development Complete

Adult Lifespan 1 mo (avg)

Number of Eggs 800 (avg)

Wings Two pairs



Geographic Range

Mostly aquatic; can be found worldwide in a variety of habitats such as marshes, streams, rivers, lakes and vernal pools

Image: Biopix CC-BY-NC

Chuck-will's-widow

Caprimulgus carolinensis

eol
Birds



Okaloosa County, Florida
+ Freshwater Forested Wetlands

CARN

Foodweb
Role

Wingspan 58-61 cm

Adult Weight 66-188 g

Lifespan 15 years (max)

Clutch/Broods 1-4 eggs; 1/year

Nest Type Ground



IUCN
Redlist™

Geographic Range

Native to and breed in southeastern U.S. from New York south to Florida, west to Kansas, Oklahoma, and Texas; migrates to south Florida and Central America for winter

Image: Melissa McMasters CC-BY-SA

Cinnamon Fern

Osmunda cinnamomea

eol
Ferns



Okaloosa County, Florida
+ Freshwater Forested Wetlands

AUTO

Foodweb
Role

Height 61-91 cm

Growth Form Fern

Life Cycle Perennial

Spore Color Green

Sunlight/Soil Shade; moist



IUCN
Redlist™

Geographic Range

Native from Newfoundland to western Ontario, south to Gulf coast and west to New Mexico

Image: cvnp_wetland_biologist CC-BY-NC

Common Buttonbush

Cephaelanthus occidentalis Flowering Plants

eol



Okaloosa County, Florida
+ Freshwater Forested Wetlands

AUTO

Foodweb
Role

Height 3.6 m

Growth Form Shrub

Leaf Duration Deciduous

Flower Color White

Sunlight/Soil Full sun; flooded



IUCN
Redlist™

Geographic Range

Native from Nova Scotia to Ontario, south to Florida; west to the Great Plains; scattered through southwest

Image: test CC-BY-SA

Common Grackle

Quiscalus quiscula

eol



Okaloosa County, Florida
+ Freshwater Forested Wetlands

OMNI

Foodweb
Role

Wingspan 36-46 cm

Adult Weight 74-142 g

Lifespan 22 yrs (max)

Clutch / Broods 1-7 eggs; 1-2/yr

Nest Type Cup high in tree



IUCN
Redlist™

Geographic Range

Native in U.S. and Canada east of the Rocky Mountains

Image: Mark Rosenstein CC-BY-NC-SA

Cottonmouth

Agkistrodon piscivorus

eol

Reptiles



Okaloosa County, Florida
+ Freshwater Forested Wetlands

CARN

Foodweb
Role

Snout-vent Length 49 cm (avg)

Adult Weight 435-1700 g

Lifespan 24 yrs (max)

Number of Eggs 5-9 live young; 1/yr

Activity Nocturnal



IUCN
Redlist™

Geographic Range

Native from Virginia south to the Florida Keys, west to Missouri and western Texas

Image: Public Health Image Library



Coyote

Canis latrans

eol
Mammals



CARN
Foodweb Role

Okaloosa County, Florida
+ Freshwater Forested Wetlands

Body Length 81-94 cm
Adult Weight 7-21 kg
Lifespan 6-9 yrs (avg)
Offspring/Litters 6 (avg); 1/yr
Female Maturity 9-10 months

IUCN Redlist™ LC

Geographic Range
Native to North America and Central America

Image: Franco Folini CC-BY-SA

Dahoon Holly

Ilex cassine

eol
Flowering Plants



AUTO
Foodweb Role

Okaloosa County, Florida
+ Freshwater Forested Wetlands

Height 6-9 m
Growth Form Tree
Leaf Duration Evergreen
Flower Color Yellow
Sunlight/Soil Part shade; moist

IUCN Redlist™ NE

Geographic Range
Native along coastal plains from North Carolina to Florida, west to Texas

Image: Mary Keim CC-BY-NC-SA

Devil Crawfish

Cambarus diogenes

eol
Crustaceans



OMNI
Foodweb Role

3 cm

Okaloosa County, Florida
+ Freshwater Forested Wetlands

Adult Body Length 4-6 cm
Development Molts
Lifespan 2-3 yrs (avg)
Number of eggs 200 eggs/yr
Activity Nocturnal

IUCN Redlist™ LC

Geographic Range
Native from Ontario south to Texas, west to Wyoming and east the Atlantic Coast.

Image: Smithsonian Institution, National Museum of Natural History, Department

Duckweed

Lemna minor

eol
Flowering Plants



AUTO
Foodweb Role

Okaloosa County, Florida
+ Freshwater Forested Wetlands

Height 1 cm (avg)
Growth Form Herbaceous
Life Cycle Perennial
Flower Color Microscopic
Sunlight/Soil Full sun; aquatic

IUCN Redlist™ LC

Geographic Range
Native throughout Europe, central Asia, on the west coast and in central North America, in the eastern half of Africa, Australia and New Zealand

Image: Michal Mařas CC-BY-SA

Eastern Mud Turtle

Kinosternon subrubrum

eol
Reptiles



OMNI
Foodweb Role

Okaloosa County, Florida
+ Freshwater Forested Wetlands

Carapace Length 7-10 cm
Adult Weight 88-263 g
Lifespan 40 yrs (max)
Number of Eggs 2-6; 1-3 brood/yr
Activity Nocturnal

IUCN Redlist™ LC

Geographic Range
Native to Eastern U.S. from Long Island south through Florida and west to Missouri, Oklahoma, and Texas

Image: Dave Huth CC-BY-NC

Eastern Pondhawk

Erythemis simplicicollis

eol
Insects



CARN
Foodweb Role

Okaloosa County, Florida
+ Freshwater Forested Wetlands

Adult Body Length 4-5 cm
Development Incomplete
Adult Lifespan Few months
Number of Eggs 900 in lifetime (max)
Wings Two pairs

IUCN Redlist™ LC

Geographic Range
Native in eastern North America through Great Plains, south to Texas and parts of Arizona and New Mexico

Image: test CC-BY-NC-SA



Florida Softshell Turtle
Apalone ferox

eol
Reptiles



CARN
Foodweb Role

Okaloosa County, Florida
+ Freshwater Forested Wetlands

| | |
|-----------------|------------------|
| Carapace Length | 15-63 cm |
| Adult Weight | 43.6 g (avg) |
| Lifespan | 20 yrs (avg) |
| Clutch/Broods | 9-40; 7/yr (max) |
| Activity | Diurnal |

IUCN Redlist™ LC

Geographic Range
Native in the southeastern United States, from southern South Carolina west to Mobile Bay, Alabama and south through the Florida peninsula

Image: Gabriel Kamener CC-BY-NC-SA

Great Horned Owl
Bubo virginianus

eol
Birds



APEX
Foodweb Role

Okaloosa County, Florida
+ Freshwater Forested Wetlands

| | |
|-----------------|-------------------|
| Wingspan | 101-145 cm |
| Adult Weight | 0.9-2.5 kg |
| Lifespan | 13 yrs (avg) |
| Clutch / Broods | 1-4 eggs; 1/yr |
| Nest Type | Treetop or cavity |

IUCN Redlist™ LC

Geographic Range
Native across most of North America, south to Central and South America

Image: devra CC-BY

Green Water Snake
Nerodia cyclopion

eol
Reptiles



CARN
Foodweb Role

Okaloosa County, Florida
+ Freshwater Forested Wetlands

| | |
|----------------|------------------|
| Body Length | 76-114 cm |
| Adult Weight | N/A |
| Lifespan | N/A |
| Number of Eggs | 15-25 live young |
| Activity | Nocturnal |

IUCN Redlist™ LC

Geographic Range
Native from western Florida panhandle along Gulf coast to Texas, north along Mississippi River to Illinois

Image: Todd Pierson CC-BY-NC-SA

Hooded Warbler
Wilsonia citrina

eol
Birds



CARN
Foodweb Role

Okaloosa County, Florida
+ Freshwater Forested Wetlands

| | |
|---------------|-------------------|
| Wingspan | 18 cm |
| Adult Weight | 9-12 g |
| Lifespan | 8-9 yrs |
| Clutch/Broods | 3-5 eggs; 1-2/yr |
| Nest Type | Cup in underbrush |

IUCN Redlist™ LC

Geographic Range
Breed in southeastern U.S. from New York to Florida panhandle, west to Texas, Oklahoma, Michigan; migrate to Atlantic slope of Mexico and Central America

Image: Marv Elliott CC-BY-NC

Humans
Homo sapiens

eol
Mammals



APEX
Foodweb Role

Okaloosa County, Florida
+ Freshwater Forested Wetlands

| | |
|-------------------|---------------------|
| Body Length | 147-181 cm (avg) |
| Adult Weight | Variable |
| Lifespan | 32-84 yrs (avg) |
| Offspring/Litters | 1 or more; variable |
| Female Maturity | 8-17 years (avg) |

IUCN Redlist™ LC

Geographic Range
Worldwide

Image: Steve Evans CC-BY-NC

Io Moth
Automeris io

eol
Insects



HERB
Foodweb Role

Okaloosa County, Florida
+ Freshwater Forested Wetlands

| | |
|----------------|--------------------|
| Wingspan | 5-9 cm |
| Development | Complete |
| Adult Lifespan | 1-2 wks |
| Number of Eggs | 300 (avg) / season |
| Wings | Two pairs |

IUCN Redlist™ NE

Geographic Range
Native from southern Canada through eastern U.S. and much of Great Plains through Colorado

Image: jameswbeck CC-BY-NC



Lizards Tail

Saururus cernuus

eol
Flowering Plants



AUTO
Okaloosa County, Florida
Freshwater Forested Wetlands Foodweb Role

| | |
|---------------|-------------------|
| Height | 50-120 cm |
| Growth Form | Herb/Forb |
| Life Cycle | Perennial |
| Flower Color | White |
| Sunlight/Soil | Part shade; muddy |

NE IUCN Redlist™

Geographic Range
Native from Ontario and Quebec through southern New England and New York, south to southern and midwestern U.S.
Image: MBG CC-BY-NC-SA

Loblolly Bay

Gordonia lasianthus

eol
Flowering Plants



AUTO
Okaloosa County, Florida
Freshwater Forested Wetlands Foodweb Role

| | |
|---------------|------------------|
| Height | 9-18 m |
| Growth Form | Tree |
| Leaf Duration | Evergreen |
| Flower Color | White |
| Sunlight/Soil | Sun/shade; moist |

NE IUCN Redlist™

Geographic Range
Native from North Carolina through Florida, west to Louisiana
Image: test

Loblolly Pine

Pinus taeda

eol
Conifers



AUTO
Okaloosa County, Florida
Freshwater Forested Wetlands Foodweb Role

| | |
|---------------|-----------------------|
| Height | 25-33 m |
| Growth Form | Tree |
| Leaf Duration | Evergreen |
| Flower Color | Yellow |
| Sunlight/Soil | Full sun; acidic soil |

LC IUCN Redlist™

Geographic Range
Native from North Carolina through Florida, and west to Louisiana
Image: Alicia Pimental from Queenstown, Maryland, United States CC-BY

Marsh Slug

Deroberas laeve

eol
Gastropods



HERB
Okaloosa County, Florida
Freshwater Forested Wetlands Foodweb Role

| | |
|----------------|-----------------------|
| Body Length | 1-3 cm |
| Shell/Mantle | Mantle 50% of body |
| Lifespan | 3-5 mo (avg) |
| Number of Eggs | 33 (max), once / life |
| Environment | Moist, terrestrial |

NE IUCN Redlist™

Geographic Range
Native to Holarctic region (most of northern hemisphere) and introduced worldwide except Antarctica.
Image: test CC-BY-SA

Western Mosquitofish

Gambusia affinis

eol
Fish



CARN
Okaloosa County, Florida
Freshwater Forested Wetlands Foodweb Role

| | |
|----------------|-----------------------|
| Body Length | 4-7 cm (avg) |
| Adult Weight | 2.31 g (avg) |
| Lifespan | 3 yrs (max) |
| Number of Eggs | 60 live young |
| Nest Type | Variety; shallow area |

LC IUCN Redlist™

Geographic Range
Native in southern parts of Illinois and Indiana, throughout the Mississippi River and its tributaries, to the Gulf Coast in northeastern Mexico
Image: Wikimedia Commons

Non-biting Midges

Chironomidae

eol
Insects



DETR
Okaloosa County, Florida
Freshwater Forested Wetlands Foodweb Role

| | |
|----------------|----------------|
| Adult Length | 0.1-2.0 cm |
| Development | Complete |
| Lifespan | Few days/weeks |
| Number of Eggs | 1600 (max) |
| Coloration | One pair |

NE IUCN Redlist™

Geographic Range
Occur on all continents in areas with moist conditions
Image: Biopix CC-BY-NC



Palamedes Swallowtail
Papilio palamedes

eol
Insects



HERB
Okaloosa County, Florida
Freshwater Forested Wetlands
Foodweb Role

| | |
|----------------|------------|
| Wingspan | 11.4-13 cm |
| Development | Complete |
| Adult Lifespan | 1 yr (avg) |
| Number of Eggs | 200 - 430 |
| Wings | 2 pairs |

IUCN Redlist™ NE

Geographic Range
Native along Atlantic coast from southern New Jersey to Florida; west along Gulf Coast to central Mexico

Image: Tom Murray CC-BY-NC

Pond Cypress
Taxodium ascendens

eol
Conifers



AUTO
Okaloosa County, Florida
Freshwater Forested Wetlands
Foodweb Role

| | |
|---------------|--------------------|
| Height | 17-20 m |
| Growth Form | Tree |
| Leaf Duration | Deciduous |
| Flower Color | Green, Brown |
| Sunlight/Soil | Sun; moist, acidic |

IUCN Redlist™ NE

Geographic Range
Native from Delaware south along Atlantic and Gulf coastal plains to Louisiana

Image: a.dombrowski CC-BY-SA

Rafinesque's Big-eared Bat
Plecotus rafinesquii

eol
Mammals



CARN
Okaloosa County, Florida
Freshwater Forested Wetlands
Foodweb Role

| | |
|------------------|----------------|
| Wingspan | 28 cm (avg) |
| Adult Weight | 7-13 g |
| Lifespan | 10 years (avg) |
| Offspring/Broods | 1; 1/yr |
| Female Maturity | 9 months |

IUCN Redlist™ LC

Geographic Range
Native to southeastern U.S. from southern Illinois, Indiana, Ohio, West Virginia, and North Carolina south to eastern Texas and Florida

Image: johnwilliams CC-BY-NC

Red Maple
Acer rubrum

eol
Flowering Plants



AUTO
Okaloosa County, Florida
Freshwater Forested Wetlands
Foodweb Role

| | |
|---------------|-----------------|
| Height | 18-27 m |
| Growth Form | Tree |
| Leaf Duration | Deciduous |
| Flower Color | Red |
| Sunlight/Soil | Shade; variable |

IUCN Redlist™ NE

Geographic Range
Native in southern Canada and across much of the eastern U.S. from Maine to Florida, west to Great Plains and north to Lake Superior

Image: Doc Searls CC-BY-SA

Dusky Salamander
Desmognathus auriculatus

eol
Amphibians



CARN
Okaloosa County, Florida
Freshwater Forested Wetlands
Foodweb Role

| | |
|-------------------|------------------|
| Snout-vent Length | 4.3-5.4 cm |
| Adult Weight | N/A |
| Lifespan | >1 year (est) |
| Number of Eggs | 9-26; 1 brood/yr |
| Activity | Nocturnal |

IUCN Redlist™ LC

Geographic Range
Native along Atlantic and Gulf coastal plains from Virginia to northern Florida, and west to eastern Texas

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

Sixspotted Fishing Spider
Dolomedes triton

eol
Arachnids



CARN
Okaloosa County, Florida
Freshwater Forested Wetlands
Foodweb Role

| | |
|----------------|------------|
| Body Length | 0.9-2.6 cm |
| Development | Incomplete |
| Lifespan | 2-3 yrs |
| Number of Eggs | 1,000+ |
| Activity | Diurnal |

IUCN Redlist™ LC

Geographic Range
Native from coastal New England through Florida, west to North Dakota and Texas; also found in moist environments of Central and South America

Image: jvp0208 CC-BY-NC



Southeastern Shrew

Sorex longirostris

eol
Mammals



CARN
Foodweb Role

Okaloosa County, Florida
+ Freshwater Forested Wetlands

| | |
|-------------------|-----------------|
| Body Length | 7.7-10.2 cm |
| Adult Weight | 2-5.8 g |
| Lifespan | 14 months (avg) |
| Offspring/Litters | 4 (avg); 2/yr |
| Female Maturity | 4 months |

LC
IUCN Redlist™

Geographic Range
Native in southeastern U.S., from southern Maryland to central Florida, west to northeastern Missouri and Oklahoma

Image: U.S. Fish & Wildlife Service

Swainson's Warbler

Limnothlypis swainsonii

eol
Birds



CARN
Foodweb Role

Okaloosa County, Florida
+ Freshwater Forested Wetlands

| | |
|---------------|----------------|
| Wingspan | 23 cm |
| Adult Weight | 11-20 g |
| Lifespan | 8 yrs (max) |
| Clutch/Broods | 2-5 eggs; 1/yr |
| Nest Type | Cup in shrubs |

LC
IUCN Redlist™

Geographic Range
Native and breeds in southeast U.S. from North Carolina west to Texas, along Gulf coast and Florida; migrates to Central America and Caribbean in winter

Image: Greg Lasley CC-BY-NC

Swallow-tailed Kite

Elanoides forficatus

eol
Birds



CARN
Foodweb Role

Okaloosa County, Florida
+ Freshwater Forested Wetlands

| | |
|---------------|-----------------------|
| Wingspan | 122 cm |
| Adult Weight | 370-600 g |
| Lifespan | 6 yrs (est) |
| Clutch/Broods | 1-3 eggs; 1/yr |
| Nest Type | Stick nest at treetop |

LC
IUCN Redlist™

Geographic Range
Native to Southeastern U.S. from South Carolina west to Louisiana, south through Florida. Migrates to Central and South America for winter

Image: Jeff Whitlock CC-BY-NC-SA

Swamp Tupelo

Nyssa biflora

eol
Flowering Plants



AUTO
Foodweb Role

Okaloosa County, Florida
+ Freshwater Forested Wetlands

| | |
|---------------|-------------------|
| Height | 17-43 m |
| Growth Form | Tree |
| Leaf Duration | Deciduous |
| Flower Color | Green |
| Sunlight/Soil | Full sun; flooded |

NE
IUCN Redlist™

Geographic Range
Native from coastal plains of Maryland south to Florida, to eastern side of Mississippi River in Tennessee

Image: Chris M CC-BY

Sweet Pepperbush

Clethra alnifolia

eol
Flowering Plants



AUTO
Foodweb Role

Okaloosa County, Florida
+ Freshwater Forested Wetlands

| | |
|---------------|-----------------|
| Height | 1.2-2.4 m |
| Growth Form | Shrub |
| Leaf Duration | Deciduous |
| Flower Color | White |
| Sunlight/Soil | Part-shade; wet |

NE
IUCN Redlist™

Geographic Range
Native within 100 miles of coast from Nova Scotia south to Florida, and west to eastern Texas

Image: Katja Schulz CC-BY

Sweetbay

Magnolia virginiana

eol
Flowering Plants



AUTO
Foodweb Role

Okaloosa County, Florida
+ Freshwater Forested Wetlands

| | |
|---------------|--------------------|
| Height | 12-15 m |
| Growth Form | Tree |
| Leaf Duration | Evergreen |
| Flower Color | White |
| Sunlight/Soil | Part shade; acidic |

LC
IUCN Redlist™

Geographic Range
Native on Atlantic and Gulf coastal plains from Long Island to Florida, west to parts of Louisiana and Texas

Image: Laura Clark CC-BY-NC



Variable Dancer

Argia fumipennis

eol
Insects



+ Okaloosa County, Florida
Freshwater Forested Wetlands

CARN
Foodweb Role

Adult Body Length 2.9-3.5 cm
Development Incomplete
Adult Lifespan 2-8 weeks
Number of Eggs 1+ per stem
Wings Two pairs

NE
IUCN Redlist™

Geographic Range
Native to southern Canada and south through most of U.S. except northwest quarter

Image: Jim Johnson CC-BY-NC

Virginia Opossum

Didelphis virginiana

eol
Mammals



+ Okaloosa County, Florida
Freshwater Forested Wetlands

OMNI
Foodweb Role

Body Length 74 cm (avg)
Adult Weight 3.7-6.4 kg
Lifespan 3 yrs (max)
Offspring/Litters 7-9 (avg); 1-3 yr
Female Maturity 9 months (avg)

LC
IUCN Redlist™

Geographic Range
Southeastern Canada, Eastern U.S. to Rocky Mountains, Central America

Image: 1999 California Academy of Sciences CC-BY-NC-SA

Wax Myrtle

Morella cerifera

eol
Flowering Plants



+ Okaloosa County, Florida
Freshwater Forested Wetlands

AUTO
Foodweb Role

Height 3-9 m
Growth Form Shrub/Tree
Leaf Duration Evergreen
Flower Color White
Sunlight/Soil Sun; rich, acidic

NE
IUCN Redlist™

Geographic Range
Native along southeastern coastal plains from New Jersey to Florida, along gulf states, Bahamas, Caribbean, and Central America

Image: Cullen Hanks CC-BY-NC-SA

White-tailed Deer

Odocoileus virginianus

eol
Mammals



+ Okaloosa County, Florida
Freshwater Forested Wetlands

HERB
Foodweb Role

Body Length 150-200 cm
Adult Weight 57-137 kg
Lifespan 2-3 yrs (max)
Offspring/Litters 1-3; 1/yr
Female Maturity 1-2 years

LC
IUCN Redlist™

Geographic Range
Native in southern Canada, through mainland U.S., Central America, and Brazil

Image: Averette CC-BY-SA

Wood Thrush

Hylocichla mustelina

eol
Birds



+ Okaloosa County, Florida
Freshwater Forested Wetlands

OMNI
Foodweb Role

Wingspan 30-34 cm
Adult Weight 40-50 g
Lifespan 5-8 years (avg)
Clutch/Broods 3-4 eggs; 1-2/yr
Nest Type Cup in shrub

LC
IUCN Redlist™

Geographic Range
Breeds from southern Canada to northern Florida, along Atlantic coast west to the Great Plains; migrate to Mexico and Central America for winter

Image: SalvadorDalaiLama CC-BY-NC-SA

Wood Duck

Aix sponsa

eol
Birds



+ Okaloosa County, Florida
Freshwater Forested Wetlands

OMNI
Foodweb Role

Wingspan 66-73 cm
Adult Weight 454-862 g
Lifespan 3-4 yrs (avg)
Clutch/Broods 6-16 eggs; 1-2/yr
Nest Type Cavity

LC
IUCN Redlist™

Geographic Range
Native to eastern North America, from Nova Scotia to Florida, west to central U.S., and on west coast from British Columbia to Mexican border, and pockets in west

Image: kat+sam from Beaverton OR, USA CC-BY



Adaptation: A physical characteristic or behavior that helps an organism survive in its environment

Brood/Litter: Group of young produced at one time

Carapace: Shell of a turtle or head and thorax of arthropods

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

Complete Metamorphosis: Some insects have a four stage life cycle: egg, larva, pupa, adult

Crepuscular: Active at dawn and dusk

Diurnal: Active during the day

Vocabulary

Habitat: The area an organism lives and can find its resources

Growth Form: Classification of plants as trees, shrubs, herbaceous, and grasses

Incomplete Metamorphosis: Some insects have a three stage life cycle: eggs, nymph, adult

Molt: The act of shedding exoskeleton, skin or feathers as an animal grows

Snout-vent Length: In amphibians and reptiles, the length from tip of nose to tail base (cloaca)

Standard Length: In fishes, length from tip of snout to end of last vertebra

Vocabulary

