

The Emerald Coast Regional Envirothon 2016

WILDLIFE STUDY GUIDE

Use the following websites to learn the natural history of focal species listed below.

1. Smithsonian National Museum of Natural History: North American Mammals
<http://www.mnh.si.edu/mna/main.cfm>
2. e-Nature Field Guides
<http://www.enature.com/fieldguides/>
3. Glossary of Important Wildlife Terms
<http://www.envirothon.org/the-competition/curriculum-guidelines/248-wildlife-glossary.html>

Mammals-- know tracks and skulls for all species

- Know tracks only (not skulls) for species with *

Focal species (21):

- Black bear, *Ursus americanus*
- Raccoon, *Procyon lotor*
- Virginia opossum, *Didelphis virginiana*
- Panther, *Puma concolor*
- Bobcat, *Lynx rufus*
- White-tailed deer, *Odocoileus virginianus*
- Coyote, *Canis latrans*
- Gray fox, *Urocyon cinereoargenteus*
- Fox squirrel, *Sciurus niger*
- Eastern cottontail, *Sylvilagus floridanus*
- Eastern gray squirrel, *Sciurus carolinensis*
- Wild hog, *Sus scrofa*
- Striped skunk*, *Mephitis mephitis*
- Beaver*, *Castor canadensis*
- River otter*, *Lontra canadensis*
- Cotton mouse*, *Peromyscus gossypinus*
- Nine-banded armadillo, *Dasypus novemcinctus*
- Brazilian free-tailed bat, *Tadarida brasiliensis*
- Seminole bat, *Lasiurus seminolus*
- Southeastern myotis, *Myotis austroriparius*
- Southeastern pocket gopher, *Geomys pinetis*

Snakes:

Focal species (15):

- Cottonmouth, *Agkistrodon piscivorus*
- Eastern Diamondback Rattlesnake, *Crotalus adamanteus*
- Dusky Pigmy Rattlesnake, *Sistrurus miliarius barbouri*
- Eastern Coral Snake, *Micrurus fulvius*

- Eastern hognose snake, *Heterodon platirhinos*
- Rough green snake, *Opheodrys aestivus*
- Southern black racer, *Coluber constrictor*
- Eastern corn snake, *Elaphe guttata guttata*
- Eastern garter snake, *Thamnophis sirtalis sirtalis*
- Eastern indigo snake, *Drymarchon corais couperi*
- Eastern coachwhip snake, *Masticophis flagellum*
- Scarlet kingsnake, *Lampropestis elapsoides*
- Eastern kingsnake, *Lampropeltis getula*
- Banded water snake, *Nerodia fasciata*
- Florida pine snake, *Pituophis melanoleucus*

Lizards:

Focal species (4):

- Eastern fence lizard, *Sceloporus undulatus*
- Six-lined racerunner, *Cnemidophorus sexlineatus*
- Green anole, *Anolis carolinensis*
- Eastern glass lizard, *Ophisaurus ventralis*

Birds:

Focal species (13):

- Barred owl
- Eastern screech owl
- Loggerhead shrike
- Osprey
- Burrowing owl
- Brown-headed nuthatch
- Wild turkey
- Red-Cockaded Woodpecker
- Bald Eagle
- Northern Bobwhite
- Wood stork
- Brown pelican
- Sandhill crane

Amphibians:

Focal species (15):

- Bullfrog, *Rana catesbiana*
- Eastern narrowmouth toad, *Gastrophryne carolinensis*
- Eastern spadefoot toad, *Scaphiopus holbrookii*
- Southern/Florida Cricket Frog, *Acris crepitans/gryllus*
- Florida gopher frog, *Rana capito aesopus*
- Green treefrog, *Hyla cinerea*
- Barking treefrog, *Hyla gratiosa*
- Southern leopard frog, *Rana sphenoccephala*
- Southern toad, *Bufo terrestris*
- Pinewoods treefrog, *Hyla femoralis*

- Gray treefrog, *Hyla versicolor*
- Mole salamander, *Ambystoma talpoideum*
- Tiger salamander, *Ambystoma tigrinum*
- Flatwoods salamander, *Ambystoma cingulatum*
- Central newt, *Notophthalmus viridescens louisianensis*

Turtles:

Focal species (10):

- Yellowbelly slider, *Trachemys scripta scripta*
- Florida cooter, *Pseudemys floridana*
- Florida softshell, *Apalone ferox*
- Gulf Coast Box turtle, *Terrepenne carolina major*
- Gopher tortoise, *Gopherus polyphemus*
- Alligator snapping turtle, *Macrolemys temminckii*
- Eastern mud turtle, *Kinosternon subrubrum*
- Diamondback terrapin, *Malaclemys terrapin*
- Loggerhead sea turtle, *Caretta caretta*
- Kemp's Ridley sea turtle, *Lepidochelys kempii*

STUDYING TIPS:

- ❖ **Scientific names are provided to ensure you study the correct species; you will not be tested on scientific names.**
- ❖ Spelling of common names and terminology must be correct.
- ❖ Know how to identify and general natural history for each species listed above.

ADDITIONAL RESOURCES AND INFORMATION

International Competition:

Canon Envirothon

<http://www.envirothon.org/>



State Competition:

Florida Envirothon

<http://flenvirothon.com/>

