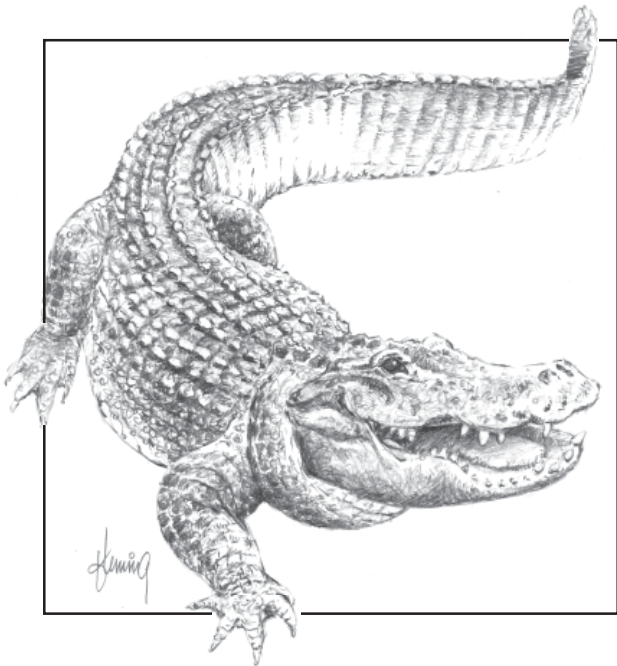


TEXAS PARKS AND WILDLIFE

AMPHIBIANS AND REPTILES

OF

GUS ENGELING
WILDLIFE MANAGEMENT AREA



A FIELD CHECKLIST

“Act Natural”

Visit a Wildlife Management Area at our Web site:

<http://www.tpwd.state.tx.us>

HABITAT DESCRIPTION

The Gus Engeling Wildlife Management Area is located in the northwest corner of Anderson County, 20 miles northwest of Palestine, Texas, on U.S. Highway 287. The management area contains 10,958 acres of land owned by the Texas Parks and Wildlife Department. Most of the land was purchased in 1950 and 1951, with the addition of several smaller tracts through 1960. It was originally called the Derden Wildlife Management Area, but was later changed to the Engeling Wildlife Management Area in honor of Biologist Gus A. Engeling, who was killed by a poacher on the area in December 1951.

The area is drained by Catfish Creek which is a tributary of the Trinity River. The topography is gently rolling to hilly, with a well-defined drainage system that empties into Catfish Creek. Most of the small streams are spring fed and normally flow the year-round. The soils are mostly light colored, rapidly permeable sands on the upland, and moderately permeable, gray-brown, sandy loams in the bottomland along Catfish Creek. The climate is classified as moist, sub-humid, with an annual rainfall of about 40 inches. The vegetation consists of deciduous forest with an overstory made up of oak, hickory, sweetgum and elm; with associated understory species of dogwood, American beautyberry, huckleberry, greenbrier, etc. Shade-tolerant grasses and forbs make up a sparse cover on the forest floor (see brochure on VEGETATION for a checklist of the plant species found on the management area).

The management area has active bird rookeries, a sphagnum moss bog, and numerous sloughs and marshes along Catfish Creek. Wintering ducks and other waterbirds use the marshes as a wintering sanctuary for food and cover. Catfish Creek contains an abundance of freshwater fishes and other aquatic life.

Other brochures available at the Management Area office include field checklists of VEGETATION, FISHES, BIRDS and MAMMALS.

LEGEND

- Verified occurrence on the wildlife management area.

All other listed species are of probable or possible occurrence (species examined or observed within Anderson County or adjacent counties within the general distribution and habitat of the species).

FTS – Federal Threatened Species (likely to become endangered).
STS – State Threatened Species (likely to become endangered).
FES – Federal Endangered Species (in danger of extinction).
SES – State Endangered Species (in danger of extinction).

CHECKLIST

Amphibians – Amphibia

Sirens, Salamanders, Newts & Mudpuppies – Caudata

- Western Lesser Siren *Siren intermedia nettingi*
Small-mouthed Salamander *Ambystoma texanum*
- Barred Tiger Salamander *Ambystoma tigrinum mavortium*
- Eastern Tiger Salamander *Ambystoma tigrinum tigrinum*
Spotted Salamander *Ambystoma maculatum*
Marbled Salamander *Ambystoma opacum*
- Central Newt *Notophthalmus viridescens louisianensis*
Three-toed Amphiuma *Amphiuma tridactylum*
Southern Dusky Salamander *Desmognathus auriculatus*
- Dwarf Salamander *Eurycea quadridigitata*
Gulf Coast Waterdog *Necturus beyeri*

Toads and Frogs – Anura

- Hurter's Spadefoot *Scaphiopus hurterii*
- Northern Cricket Frog *Acris crepitans crepitans*
- Green Treefrog *Hyla cinerea*
- Gray Treefrog *Hyla versicolor*
- Cope's Gray Treefrog *Hyla chrysoscelis*
- Spotted Chorus Frog *Pseudacris clarkii*
- Northern Spring Peeper *Pseudacris crucifer crucifer*
- Strecker's Chorus Frog *Pseudacris streckeri*
- Upland Chorus Frog *Pseudacris feriarum feriarum*
- Dwarf American Toad *Bufo americanus charlesmithi*
- Houston Toad
(FES, 10/13/70;
SES, 5/15/75) *Bufo houstonensis*
- Texas Toad *Bufo speciosus*
- Coastal Plain Toad *Bufo nebulifer*
- East Texas Toad *Bufo woodhousii velatus*
- Southern Crawfish Frog *Rana areolata areolata*
- Bullfrog *Rana catesbeiana*
- Bronze Frog *Rana clamitans clamitans*
- Pickerel Frog *Rana palustris*
- Southern Leopard Frog *Rana sphenoccephala utricularia*
- Eastern Narrow-mouthed Toad *Gastrophryne carolinensis*
- Great Plains Narrow-mouthed Toad *Gastrophryne olivacea*

Reptiles – Reptilia

Turtles – Testudines

- Eastern Snapping Turtle *Chelydra serpentina serpentina*
- Alligator Snapping Turtle (STS, 3/1/87) *Macrolemys temminckii*
- Yellow Mud Turtle *Kinosternon flavescens*
- Mississippi Mud Turtle *Kinosternon subrubrum hippocrepis*
- Razorback Musk Turtle *Sternotherus carinatus*

- Stinkpot *Sternotherus odoratus*
- Eastern River Cooter *Pseudemys concinna concinna*
- Red-eared Slider *Trachemys scripta elegans*
- Western Chicken Turtle *Deirochelys reticularia miaria*
- Sabine Map Turtle
- Mississippi Map Turtle *Graptemys pseudogeographica kohnii*
- Three-toed Box Turtle *Terrapene carolina triunguis*
- Ornate Box Turtle *Terrapene ornata ornata*
- Pallid Spiny Softshell *Apalone spinifera pallida*
- Midland Smooth Softshell *Apalone mutica mutica*

Crocodylians – Crocodilia

- American Alligator (FTS, 10/12/83) *Alligator mississippiensis*

Lizards – Squamata

- Mediterranean Gecko *Hemidactylus turcicus* (exotic)
- Northern Green Anole *Anolis carolinensis carolinensis*
- Texas Horned Lizard (STS, 7/18/77) *Phrynosoma cornutum*
- Texas Spiny Lizard *Sceloporus olivaceus*
- Northern Fence Lizard *Sceloporus undulatus hyacinthinus*
- Southern Coal Skink *Eumeces anthracinus pluvialis*
- Five-lined Skink *Eumeces fasciatus*
- Broad-headed Skink *Eumeces laticeps*
- Southern Prairie Skink *Eumeces septentrionalis obtusirostris*
- Ground Skink *Scincella lateralis*
- Texas Spotted Whiptail *Cnemidophorus gularis gularis*
- Eastern Six-lined Racerunner *Cnemidophorus sexlineatus sexlineatus*
- Western Slender Glass Lizard *Ophisaurus attenuatus attenuatus*

Snakes – Serpentes

- Texas Blind Snake *Leptotyphlops dulcis dulcis*
- Eastern Yellow-bellied Racer *Coluber constrictor flaviventris*
- Northern Scarlet Snake (STS, 3/1/87) *Cemophora coccinea copei*
- Mississippi Ring-necked Snake *Diadophis punctatus stictogenys*
- Corn Snake *Elaphe guttata guttata*
- Texas Rat Snake *Elaphe obsoleta lindheimeri*
- Western Mud Snake *Farancia abacura reinwardtii*
- Dusty Hog-nosed Snake *Heterodon nasicus gloydi*
- Eastern Hog-nosed Snake *Heterodon platirhinos*
- Texas Night Snake *Hypsiglena torquata jani*
- Prairie Kingsnake *Lampropeltis calligaster calligaster*
- Speckled Kingsnake *Lampropeltis getula holbrooki*
- Louisiana Milk Snake *Lampropeltis triangulum amaura*
- Eastern Coachwhip *Masticophis flagellum flagellum*
- Yellow-bellied Water Snake *Nerodia erythrogaster flavigaster*
- Broad-banded Water Snake *Nerodia fasciata confluens*
- Northern Diamond-backed Water Snake *Nerodia rhombifer rhombifer*
- Graham's Crayfish Snake *Regina grahamii*
- Gulf Crayfish Snake *Regina rigida sinicola*
- Rough Green Snake *Opheodrys aestivus*
- Bull Snake *Pituophis catenifer sayi*
- Louisiana Pine Snake (STS, 1/30/97) *Pituophis ruthveni*
- Texas Glossy Snake *Arizona elegans arenicola*
- Texas Brown Snake *Storeria dekayi texana*
- Florida Red-bellied Snake *Storeria occipitomaculata obscura*

- Flat-headed Snake
Marcy's Checkered
Garter Snake
 - Orange-striped Ribbon
Snake
 - Texas Garter Snake
 - Rough Earth Snake
 - Western Smooth Earth
Snake
 - Lined Snake
 - Texas Coral Snake
 - Southern Copperhead
 - Western Cottonmouth
 - Western Pigmy
Rattlesnake
 - Western Diamond-backed
Rattlesnake
 - Canebrake Rattlesnake
(STS, 3/1/87)
- Tantilla gracilis*
- Thamnophis marcianus
marcianus*
- Thamnophis proximus proximus*
Thamnophis sirtalis annectens
Virginia striatula
- Virginia valeriae elegans*
Tropidoclonion lineatum
Micrurus tener tener
*Agkistrodon contortrix
contortrix*
*Agkistrodon piscivorus
leucostoma*
- Sistrurus miliarius streckeri*
- Crotalus atrox*
- Crotalus horridus atricaudatus*

REFERENCES

- Banks, R.C., R.W. McDiarmid, A.L. Gardner (eds.). 1987. *Checklist of vertebrates of the United States, the U.S. Territories, and Canada*. U.S. Department of the Interior. Fish and Wildlife Service, Resource Publ. 166, Washington D.C. 79 pp.
- Collins, J.T. and T.W. Taggart. 2002. *Standard common and current scientific names for North American amphibians, turtles, reptiles & crocodilians*. Fifth edition. The Center for North American Herpetology, Lawrence, Kansas. iv + 44 pp.
- Conant, R. and J.T. Collins. 1998. *A field guide to reptiles and amphibians of eastern and central North America*. Third edition, expanded. Houghton Mifflin Co., Boston, Massachusetts. 616 pp.
- Dixon, J.R. 2000. *Amphibians and reptiles of Texas*. Texas A&M University Press, College Station, Texas. 421 pp.
- Garrett, J.M. and D.G. Baker. 1987. *A field guide to reptiles and amphibians of Texas*. Texas Monthly Press, Austin. 225 pp.
- Moriarty, J.J., editor. 2001. *Scientific and standard English names of amphibians and reptiles of North America north of Mexico, with comments regarding confidence in our understanding*. Society for the Study of Amphibians and Reptiles. Herpetological Circular No. 29. Saint Louis, Missouri. iv + 82 pp.
- Powell, R., J.T. Collins and E.D. Hooper, Jr. 1998. *A key to amphibians and reptiles of the continental United States and Canada*. University Press of Kansas, Lawrence, Kansas. 131 pp.
- Price, A.H. 1998. *Poisonous snakes of Texas*. Texas Parks and Wildlife Press, Austin, Texas. 112 pp.
- Tennant, A. 1984. *The snakes of Texas*. Texas Monthly Press, Austin. 561 pp.
- Tennant, A. 1998. *A field guide to Texas snakes*. Gulf Publishing Company, Houston, Texas. xix + 291 pp.
- Travis, N.T., J.R. Dixon, and C.R. Smith. 1999. *Amphibians and reptiles of Texas: taxonomic and distributional inventory with bibliography*. Texas System of Natural Laboratories, Inc., Austin, Texas. 519 pp.

Werler, J.E. and J.R. Dixon. 2000. *Texas snakes*. University of Texas Press, Austin, Texas. 519 pp.

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