

Habitat Model for Species: Three-toed Box Turtle

Terrapene carolina triunguis

[Distribution Map](#)
[Habitat Map](#)

Landcover Category

0 - Comments

Collins, 1993

Reagan, 1974

Species described as using both woodland and grassland habitats depending on time of year.

[#KS GAP]

Map grassland habitats (17, 22, 30, and 40) if adjacent to woodland or forest.

[#Reviewer]

02 - Oak-Hickory Forest

Webb, 1970

Reagan, 1974

Schwartz and Schwartz, 1974

Schwartz et al., 1984

Ernst et al., 1994

03 - Post Oak-Blackjack Oak Forest

Ernst et al., 1994

05 - Ash-Elm-Hackberry Floodplain Forest

[#5090]

Schwartz and Schwartz, 1974

Schwartz et al., 1984

06 - Cottonwood Floodplain Forest

[#5090]

07 - Mixed Oak Floodplain Forest

Webb, 1970

08 - Bur Oak Floodplain Woodland

Clarke, 1958

Reagan, 1974

Ernst et al., 1994

Habitat Restrictions

Comments

"Open woodland"

Northwest AR and adjacent OK. Plant species listed were generally different from those in KS. However, the use of each habitat type was related more to cover type, temperature and moisture so applicable to equivalent KS habitats.

All habitat selections were based on listed criteria (in comment section) and the presence of the selected habitat in the species known range in Kansas

Platt: Personal observation, add Harvey County.

Study in OK. Selection based on "Quercus" and "Carya" in Dominant Vegetation and occurrence in species

Study in AR and OK. Based on Carya and Quercus in Dom. Veg. and occurrence in known range of species in KS. Woodlands are preferred habitat in early spring, summer and late fall.

Study in central Missouri. Selected based on Quercus and Carya or Fraxinus in the Dominant Vegetation.

Study in central Missouri. Selected based on Quercus and Carya or Fraxinus in the Dominant Vegetation.

Based on woodland, pasture or marsh in Habitat category. Primarily an open woodland species but does occur in the other two habitats.

Based on woodland, pasture or marsh in Habitat category. Primarily an open woodland species but does occur in the other two habitats.

Study in KS. Based on wooded and river in Habitat and occurrence in species range.

Study in central Missouri. Selected based on Quercus and Carya or Fraxinus in the Dominant Vegetation.

Study in central Missouri. Selected based on Quercus and Carya or Fraxinus in the Dominant Vegetation.

Study in KS. Based on wooded and river in Habitat and occurrence in species range.

Study in OK. Selection based on "Quercus" and "Carya" in Dominant Vegetation and occurrence in species

Study in Osage Co., KS. Described as occurring in an Oak-Walnut Hillside Forest. Selection based on Quercus in Dominant Vegetation, Juglans in Other Vegetation and occurrence in species range.

Study AR and OK. Based on Quercus in Dom. Veg. and Celtis and Carya in Other Veg. and presence of habitat in known species range. Prefer wooded areas in early spring, summer and late fall.

Based on woodland, pasture or marsh in Habitat category. Primarily an open woodland species but does occur in the other two habitats.

09 - Mixed Oak Ravine Woodland

Ernst et al., 1994

Based on woodland, pasture or marsh in Habitat category. Primarily an open woodland species but does occur in the other two habitats.

10 - Post Oak-Blackjack Oak Woodland

Ernst et al., 1994

Based on woodland, pasture or marsh in Habitat category. Primarily an open woodland species but does occur in the other two habitats.

11 - Cottonwood Floodplain Woodland

[#5090]

Schwartz and Schwartz, 1974

Schwartz et al., 1984

Study in KS. Based on wooded and river in Habitat and occurrence in species range.

Study in central Missouri. Selected based on Quercus and Carya or Fraxinus in the Dominant Vegetation.

Study in central Missouri. Selected based on Quercus and Carya or Fraxinus in the Dominant Vegetation.

17 - Tallgrass Prairie

Reagan, 1974 Adjacent to woodland.

Schwartz and Schwartz, 1974

[#KS GAP] 30 m edge adjacent to selected forests or woodlands.

Study in AR and OK. Based on "grassland" in Habitat section and occurrence in known range of species in KS.

Grasslands are preferred habitat in late spring and early Study in central Missouri. Based on Andropogon in Dominant Vegetation.

19 - Sandstone Prairie - not mapped

Reagan, 1974 Adjacent to woodland.

Study in AR and OK. Based on "grassland" in Habitat section and occurrence in known range of species in KS. Grasslands are preferred habitat in late spring and early

22 - Mixed Prairie

Reagan, 1974 Adjacent to woodland.

[#KS GAP] 30 m edge adjacent to selected forests or woodlands.

Study in AR and OK. Based on "grassland" in Habitat section and occurrence in known range of species in KS. Grasslands are preferred habitat in late spring and early

30 - Low or Wet Prairie

Ernst et al., 1994 Adjacent to woodland.

[#KS GAP] 30 m edge adjacent to selected forests or woodlands.

Based on woodland, pasture or marsh in Habitat category. Primarily an open woodland species but does occur in the other two habitats.

31 - Freshwater Marsh

Ernst et al., 1994

Based on woodland, pasture or marsh in Habitat category. Primarily an open woodland species but does occur in the other two habitats.

32 - Bulrush Marsh

Ernst et al., 1994

Based on woodland, pasture or marsh in Habitat category. Primarily an open woodland species but does occur in the other two habitats.

33 - Cattail Marsh

Ernst et al., 1994

Based on woodland, pasture or marsh in Habitat category. Primarily an open woodland species but does occur in the other two habitats.

40 - Non-native Grassland

Ernst et al., 1994

[#KS GAP] 30 m edge adjacent to selected forests or woodlands.

Based on woodland, pasture or marsh in Habitat category. Primarily an open woodland species but does occur in the other two habitats.

50 - Deciduous Forest-Mined Land

Clarke, 1958

Study in Osage Co., KS. Described as occurring in an Oak-Walnut Hillside Forest. Selection based on Quercus, Juglans, and Ulmus in Dominant Vegetation and occurrence in species range.

51 - Maple Floodplain Forest

Ernst et al., 1994

55 - Deciduous Woodland

Ernst et al., 1994

Based on woodland, pasture or marsh in Habitat category. Primarily an open woodland species but does occur in the other two habitats.

91 - Ozark Sandstone Glade / Prairie - not mapped

Reagan, 1974

Study in AR and OK. Based on "grassland" in Habitat section and occurrence in known range of species in KS. Grasslands are preferred habitat in late spring and early

92 - Ozark Limestone Glade - not mapped

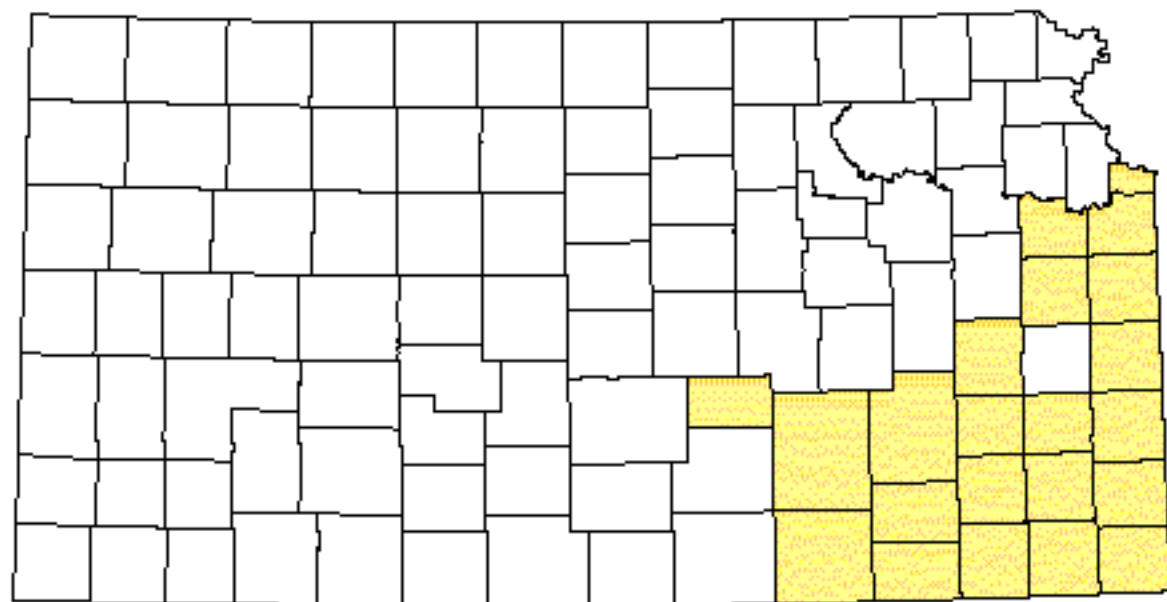
Reagan, 1974


Study in AR and OK. Based on "grassland" in Habitat section and occurrence in known range of species in KS. Grasslands are preferred habitat in late spring and early

Reference List

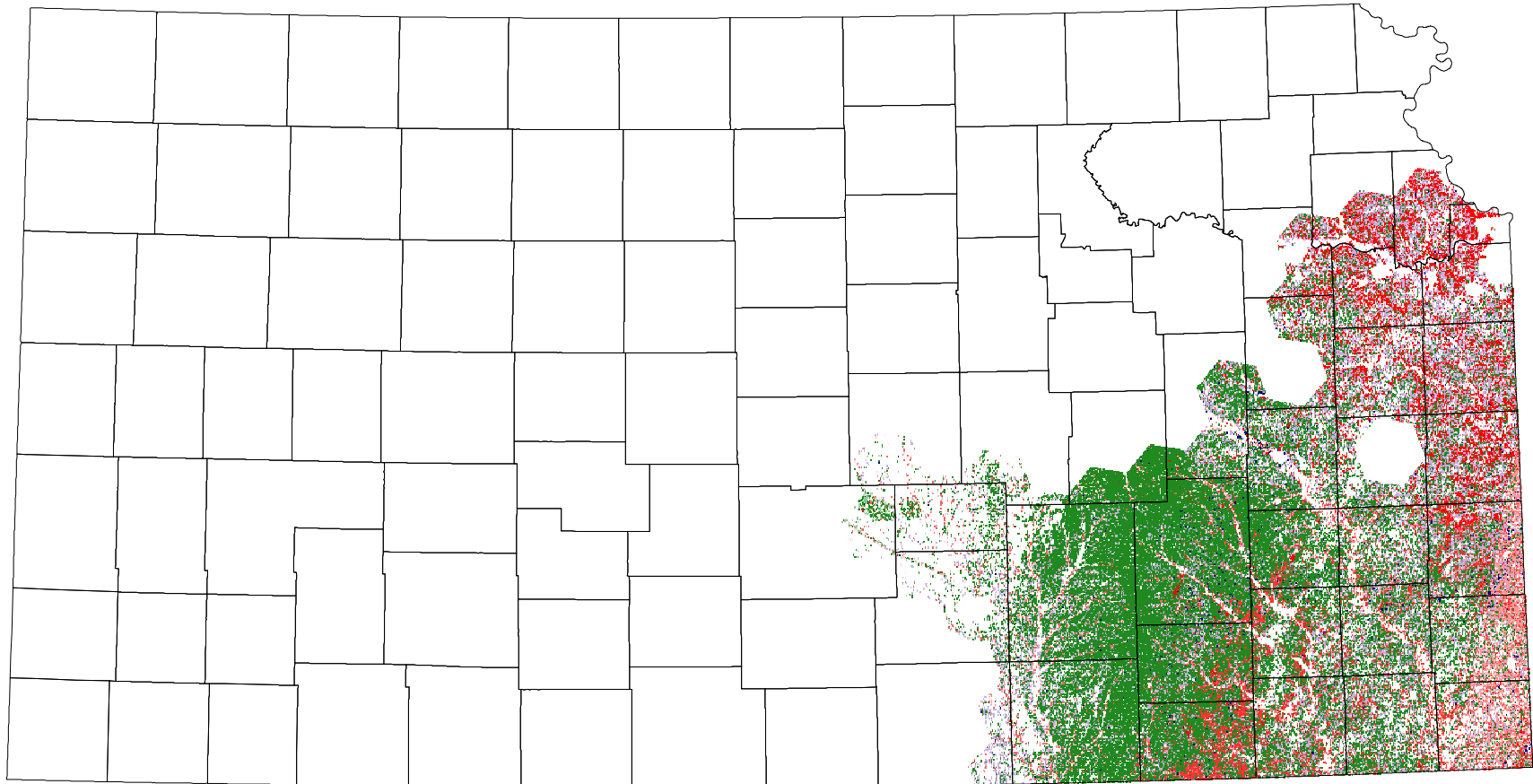
1. Clarke, R. F. 1958. An ecological study of reptiles and amphibians on Osage County, Kansas. Emporia State Research Studies 7(1):5-52.
2. Collins, J. T. 1993. Amphibians and reptiles in Kansas. University Press of Kansas, Lawrence, Kansas, USA.
3. Ernst, C. H., R. W. Barbour, and J. E. Lovich. 1994. Turtles of the United States and Canada. Smithsonian Institution Press, Washington, D.C., USA.
4. Reagan, D. P. 1974. Habitat selection in the three-toed box turtle, *Terrapene carolina triunguis*. Copeia 1974(2):512-527.
5. Schwartz, C. W. and E. R. Schwartz. 1974. The three-toed box turtle in central Missouri: it's population, home range, and movements. Terrestrial Series Number 5. Missouri Department of Conservation, Columbia, Missouri, USA.
6. Schwartz, E. R., C. W. Schwartz, and A. R. Kiester. 1984. The three-toed box turtle in central Missouri, Part II: a nineteen-year study of home range, movements and population. Terrestrial Series 12. Missouri Department of Conservation, Columbia, Missouri, USA.
7. Webb, R. G. 1970. Reptiles of Oklahoma. University of Oklahoma Press, Norman, Oklahoma, USA.

Three-toed Box Turtle



 Range from Collins, 1993

Three-toed Box Turtle



* adjacent to mapped forests or woodlands