

# Habitat Model for Species: Ornate Box Turtle

*Terrapene ornata ornata*

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

## Landcover Category

### 0 - Comments

Clarke et al., 1958

Clarke, 1958

[#Reviewer]

[#Reviewer2]

### Habitat Restrictions

### Comments

Study Lyon Co., Kansas. Common. Found anywhere, but most frequent in fields and prairie.

Occurred in a Buckbrush-Sumac Community (not mappable). Also found in cultivated fields - not mapped because n=1 and it would grossly overestimate the distribution.

Platt: Used to be found in almost any rural area in this region. My impression is that it has declined in the cultivated areas of Harvey County in recent years. Intensity of cultivation?

Fitch: With spread and establishment of woodland in formerly heavily-grazed pastures, these turtles became progressively scarcer and disappeared. It seems they avoided woodland except when preparing to hibernate.

### 01 - Maple-Basswood Forest

Clarke, 1958

Fitch, 1958

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. (n=1)

Douglas Co., Kansas. Selected based on "woodland" in the Habitat category.

### 02 - Oak-Hickory Forest

Webb, 1970

Doroff and Keith, 1990

Fitch, 1958

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

Study in WI. Selected based on "Quercus" and "Carya" in Dominant Vegetation. Used regularly only in Mid-summer, otherwise prefer prairie.

Douglas Co., Kansas. Selected based on "woodland" in the Habitat category.

### 03 - Post Oak-Blackjack Oak Forest

Fitch, 1958

Douglas Co., Kansas. Selected based on "woodland" in the Habitat category.

### 05 - Ash-Elm-Hackberry Floodplain Forest

Loraine, 1983

Legler, 1960

[#Reviewer]

Platt: Add

### 07 - Mixed Oak Floodplain Forest

Webb, 1970

Doroff and Keith, 1990

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

Study in WI. Selected based on "Quercus" and "Carya" in Dominant Vegetation. Used regularly only in Mid-summer, otherwise prefer prairie.

### 08 - Bur Oak Floodplain Woodland

Clarke, 1958

Fitch, 1958

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. (n=1)

Douglas Co., Kansas. Selected based on "woodland" in the Habitat category.

### 09 - Mixed Oak Ravine Woodland

Fitch, 1958

Loraine, 1983

Douglas Co., Kansas. Selected based on "woodland" in the Habitat category.

## **10 - Post Oak-Blackjack Oak Woodland**

Fitch, 1958

Douglas Co., Kansas. Selected based on "woodland" in the Habitat category.

## **11 - Cottonwood Floodplain Woodland**

Clarke, 1958

Study in Osage Co., KS. Described as occurring in a semi-aquatic habitat. Selection based on Populus, Salix, Spartina, and Carex in Dominant Vegetation and occurrence in species range. (n=1)

Ernst et al., 1994

Described as a prairie turtle inhabiting treeless (exception along streams), sandy plains and rolling grass hills. Alliance based on plains and sandy clay loam or sandy loam, or grassland in Habitat.

Legler, 1960

[#Reviewer]

Distler: occasional sighting near Ninescah River, sw Sedgwick County.

## **12 - Sandsage Shrubland**

[#Reviewer]

Platt: Add

## **17 - Tallgrass Prairie**

Doroff and Keith, 1990

Study in WI. Prairie was the preferred habitat of species. Selected based on Andropogon and Bouteloua in Dom. Veg. and Panicum, Tradescantia, or Opuntia in Other Veg. and description of selected as a Prairie or

Doroff and Keith, 1990

Study in WI. Prairie was the preferred habitat of species. Selected based on Andropogon and Bouteloua in Dom. Veg. and Panicum, Tradescantia, or Opuntia in Other Veg. and description of selected as a Prairie or

Royal, 1982

Study near Holcomb, KS. Selected based on "Prairie" in Habitat and "sand" in Soil.

Heinrich and Kaufman, 1985

Ernst et al., 1994

most sightings were in prairie habitats.

Described as a prairie turtle inhabiting treeless (exception along streams), sandy plains and rolling grass hills. Alliance based on plains and sandy clay loam or sandy loam, or grassland in Habitat.

Loraine, 1983

Metcalf and Metcalf, 1970

Legler, 1960

## **18 - Sand Prairie**

Rush and Feharty, 1981

Study in KS. Specimen found in short-grass prairie in Sherman Co. Selection based on "short-grass prairie" in Habitat section.

Doroff and Keith, 1990

Study in WI. Prairie was the preferred habitat of species. Selected based on Andropogon and Bouteloua in Dom. Veg. and Panicum, Tradescantia, or Opuntia in Other Veg. and description of selected as a Prairie or

Royal, 1982

Study near Holcomb, KS. Selected based on "Prairie" in Habitat and "sand" in Soil.

Ernst et al., 1994

Described as a prairie turtle inhabiting treeless (exception along streams), sandy plains and rolling grass hills. Alliance based on plains and sandy clay loam or sandy loam, or grassland in Habitat.

## **19 - Sandstone Prairie - not mapped**

Doroff and Keith, 1990

Study in WI. Prairie was the preferred habitat of species. Selected based on Andropogon and Bouteloua in Dom. Veg. and Panicum, Tradescantia, or Opuntia in Other Veg. and description of selected as a Prairie or

Royal, 1982

Study near Holcomb, KS. Selected based on "Prairie" in Habitat and "sand" in Soil.

Ernst et al., 1994

Described as a prairie turtle inhabiting treeless (exception along streams), sandy plains and rolling grass hills. Alliance based on plains and sandy clay loam or sandy loam, or grassland in Habitat.

## **20 - Western Wheatgrass Prairie**

Ernst et al., 1994

Described as a prairie turtle inhabiting treeless (exception along streams), sandy plains and rolling grass hills. Alliance based on plains and sandy clay loam or sandy loam, or grassland in Habitat.

## **22 - Mixed Prairie**

Doroff and Keith, 1990

Study in WI. Prairie was the preferred habitat of species. Selected based on Andropogon and Bouteloua in Dom. Veg. and Panicum, Tradescantia, or Opuntia in Other Veg. and description of selected as a Prairie or

Doroff and Keith, 1990

Study in WI. Prairie was the preferred habitat of species. Selected based on Andropogon and Bouteloua in Dom. Veg. and Panicum, Tradescantia, or Opuntia in Other Veg. and description of selected as a Prairie or

Royal, 1982

Study near Holcomb, KS. Selected based on "Prairie" in Habitat and "sand" in Soil.

Ernst et al., 1994

Described as a prairie turtle inhabiting treeless (exception along streams), sandy plains and rolling grass hills. Alliance based on plains and sandy clay loam or sandy loam, or grassland in Habitat.

## **24 - Alkali Sacaton Prairie**

Ernst et al., 1994

Described as a prairie turtle inhabiting treeless (exception along streams), sandy plains and rolling grass hills. Alliance based on plains and sandy clay loam or sandy loam, or grassland in Habitat.

## **25 - Shortgrass Prairie**

Rush and Fleharty, 1981

Study in KS. Specimen found in short-grass prairie in Sherman Co. Selection based on "short-grass prairie" in Habitat section.

Royal, 1982

Study near Holcomb, KS. Selected based on "Prairie" in Habitat and "sand" in Soil.

Ernst et al., 1994

Described as a prairie turtle inhabiting treeless (exception along streams), sandy plains and rolling grass hills. Alliance based on plains and sandy clay loam or sandy loam, or grassland in Habitat.

## **30 - Low or Wet Prairie**

Doroff and Keith, 1990

Study in WI. Selected based on "Carex" in Dominant Vegetation and "Asclepias" in Other Vegetation. Used regularly only in Mid-summer, otherwise prefer prairie.

## **34 - Fen - not mapped**

Capron, 1987

Study south-central Kansas. Congregate about springs, seeps, intermittent pools, and still backwaters.

## **35 - Acid seep - not mapped**

Capron, 1987

Study south-central Kansas. Congregate about springs, seeps, intermittent pools, and still backwaters.

## **35 - Neutral seep - not mapped**

Capron, 1987

Study south-central Kansas. Congregate about springs, seeps, intermittent pools, and still backwaters.

## **37 - Winterfat - Blue Grama Prairie - not mapped**

Ernst et al., 1994

Described as a prairie turtle inhabiting treeless (exception along streams), sandy plains and rolling grass hills. Alliance based on plains and sandy clay loam or sandy loam, or grassland in Habitat.

#### **40 - Non-native Grassland**

Fitch, 1958

Ernst et al., 1994

Douglas Co., Kansas. Selected based on "pasture" in the Habitat category. Listed as preferred habitats of species (grazed).

Described as a prairie turtle inhabiting treeless (exception along streams), sandy plains and rolling grass hills. Alliance based on plains and sandy clay loam or sandy loam, or grassland in Habitat.

#### **41 - CRP**

Doroff and Keith, 1990

Study in WI. Prairie was the preferred habitat of species. Selected based on *Andropogon* and *Bouteloua* in Dom. Veg. and *Panicum*, *Tradescantia*, or *Opuntia* in Other Veg. and description of selected as a Prairie or

#### **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. (n=1)

#### **52 - Evergreen Forest-Disturbed Land**

[#Reviewer]

Platt: Add.

#### **55 - Deciduous Woodland**

Fitch, 1958

Douglas Co., Kansas. Selected based on "pasture" and "woodland" in the Habitat category.

#### **71 - Weedy Upland**

Fitch, 1958

Douglas Co., Kansas. Selected based on "weedy" in the Habitat category. Listed as a less preferred habitats of species (grazed).

#### **91 - Ozark Sandstone Glade / Prairie - not mapped**

Royal, 1982

Study near Holcomb, KS. Selected based on "Prairie" in Habitat and "sand" in Soil.

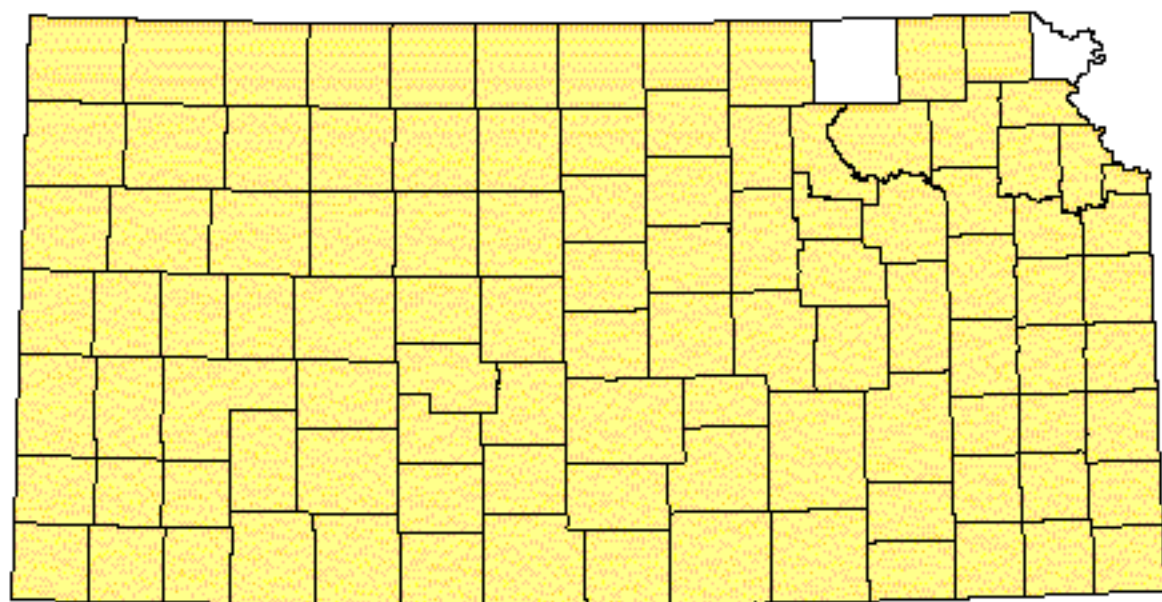
Ernst et al., 1994


Described as a prairie turtle inhabiting treeless (exception along streams), sandy plains and rolling grass hills. Alliance based on plains and sandy clay loam or sandy loam, or grassland in Habitat.

#### Reference List

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# Ornate Box Turtle



 Range from Collins, 1993

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