

# Habitat Model for Species: **Townsend's Big-eared Bat**

*Corynorhinus townsendii*

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

## Landcover Category

### **0 - Comments**

Hollander et al., 1987

Humphrey and Kunz, 1976

Baker and Ward, 1967

Rippy and Harvey, 1965

[#Reviewer]

### **Habitat Restrictions**

### **Comments**

big-eared bats collected while hibernating in a large gypsum sinkhole and while flying over Elm Creek

on regional basis, this species clearly restricted to the vicinity of karst landform (caves used as hibernacula and species has limited dispersal capabilities)

bat netted in vacant 2-story house and another individual was collected in a well shaft; nursery colony found in abandoned building

300 big-eared bats observed in cave in summer; 1000 big-eared bats used that cave for hibernaculum in winter

Choate: Delete Sandsage shrubland.

### **11 - Cottonwood Floodplain Woodland**

Kunz and Martin, 1982

Humphrey and Kunz, 1976

in Kansas and Oklahoma, Townsend's big-eared bat appears to be restricted to riparian communities and nearby gypsum caves in the mid-grass prairie

study area gypsum hills (Red Hills region) with buttes and canyons near present rivers and streams; nursery colonies occupied warm portions of caves; summer males roost singly inside cave entrances or man-made structures; stream served as heat sink

### **22 - Mixed Prairie**

Hibbard, 1934

Kunz and Martin, 1982

Humphrey and Kunz, 1976

Twente, 1955

big-eared bat observed in many caves and sinkholes in Oklahoma and Kansas (Red Hills region); tend to occur on underside of large rocks very close to stream bed

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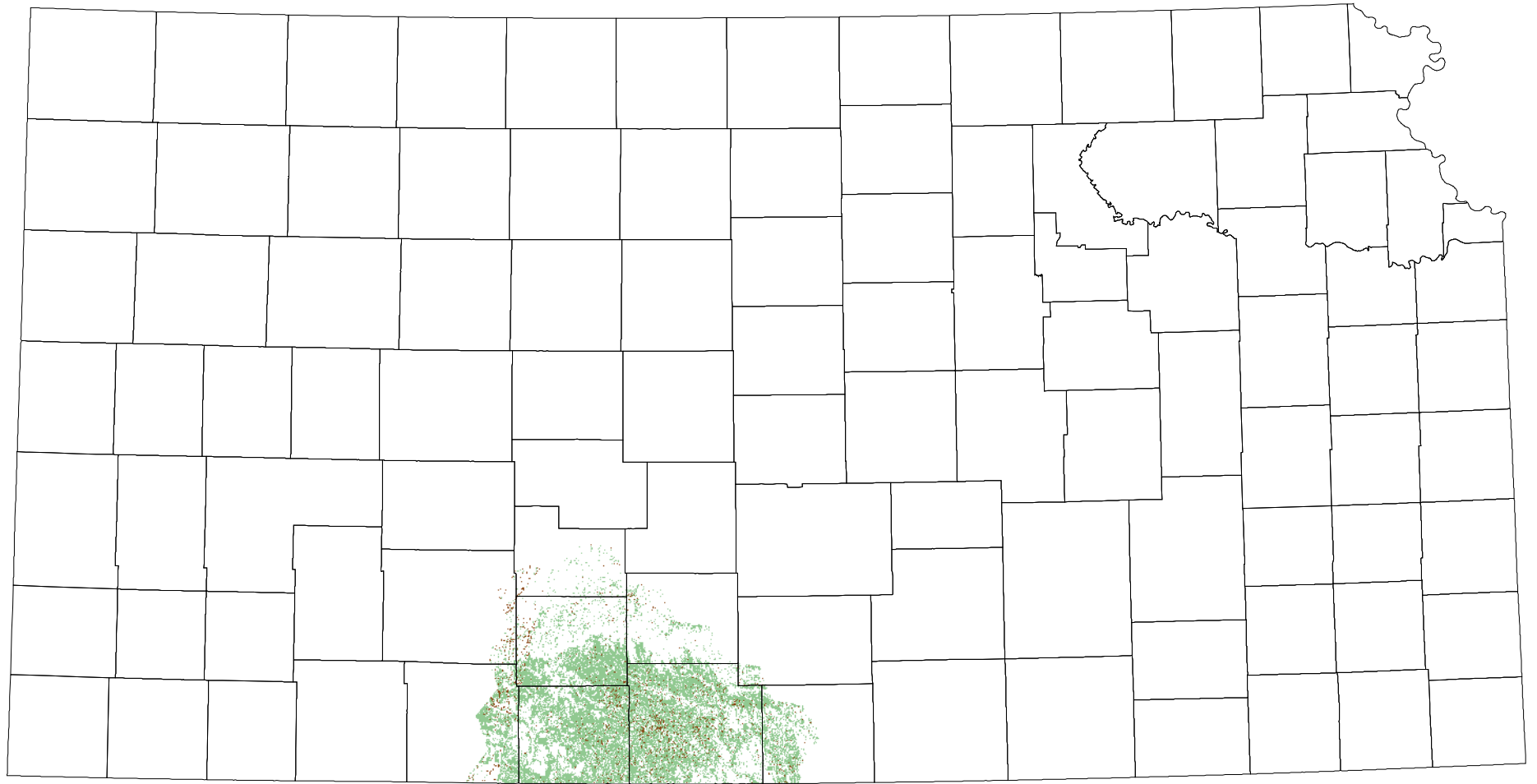
usually found singly on walls; occur near entrances in lighted paces and very rough walls; in winter, found in places with wind currents and greatly fluctuating temperatures; caves in Medicine Lodge gypsum at heads of canyons, some with streams

#### Reference List

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5. Kunz, T. H. and R. A. Martin. 1982. *Plecotus townsendii*. *Mammalian Species* 175:1-6.
6. Rippey, C. L. and M. J. Harvey. 1965. Notes on *Plecotus townsendii virginianus* in Kentucky. *Journal of Mammalogy* 46:499.
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# Townsend's Big-eared Bat



 Cottonwood Floodplain Woodland

 Mixed Prairie