

# Habitat Model for Species: **Hoary Bat**

*Lasiurus cinereus*

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

## Landcover Category

### **0 - Comments**

Baker, 1954

Choate and Fleharty, 1975

McClure, 1942

Shump and Shump, 1982

Baker and Ward, 1967

LaVal et al., 1977

Hall, 1923

[#KS GAP] 30 m edge of selected upland forest (2) adjacent to open habitats (17,18,20,22,24-33,38,40,41,44,60,70,71,82).

[#Reviewer]

### Habitat Restrictions

### Comments

a hoary bat captured on grounds of a school >10 miles away from a town in Cheyenne County  
species likely restricted to riparian woodlands and areas of trees around cities and farmsteads  
46 hoary bats observed in the town of Lewis, but no reference to tree species relative to roosts is made

hoary bats are solitary and roost primarily among foliage in trees, 3-5 feet off ground during the day; also, they prefer edge of clearings

hoary bats netted over a couple stock ponds and a pond in a field near a dense upland hardwood forest

hoary bats foraged high above trees and pastures

hoary bat found at base of a large maple tree (*Acer* sp.)

Choate : Add Bourbon, Dickinson, Graham, Kingman, Leavenworth, Lyon, Meade, Pottawatomie, Pratt, Woodson (10504)

### **02 - Oak-Hickory Forest**

Constantine, 1966

hoary bats select roosts in trees in "edge" areas such as forest edge and wide fencerows; these sites bordered dense leafy crops such as corn or beans; trees used: *Ulmus americana* (53%), *Acer negundo* (27%), *Prunus americana* (7%), *P. serotina* (7%)

Baker and Ward, 1967

hoary bats netted over a pond in a field near dense upland hardwood forest

[#KS GAP] Map 30 m edge adjacent to open habitats.

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

Andersen and Fleharty, 1967

hoary bats preferred riparian communities; also were observed flying over a pond that had a few plains cottonwood (*Populus*) and willows (*Salix*) at one end

### **06 - Cottonwood Floodplain Forest**

Andersen and Fleharty, 1967

hoary bats preferred riparian communities; also were observed flying over a pond that had a few plains cottonwood (*Populus*) and willows (*Salix*) at one end

### **09 - Mixed Oak Ravine Woodland**

McMillan et al., 1997

dead bat found under canopy of bur oak (*Quercus macrocarpa*) trees; habitat consistent with use of deciduous trees for roosting areas

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

Andersen and Fleharty, 1967

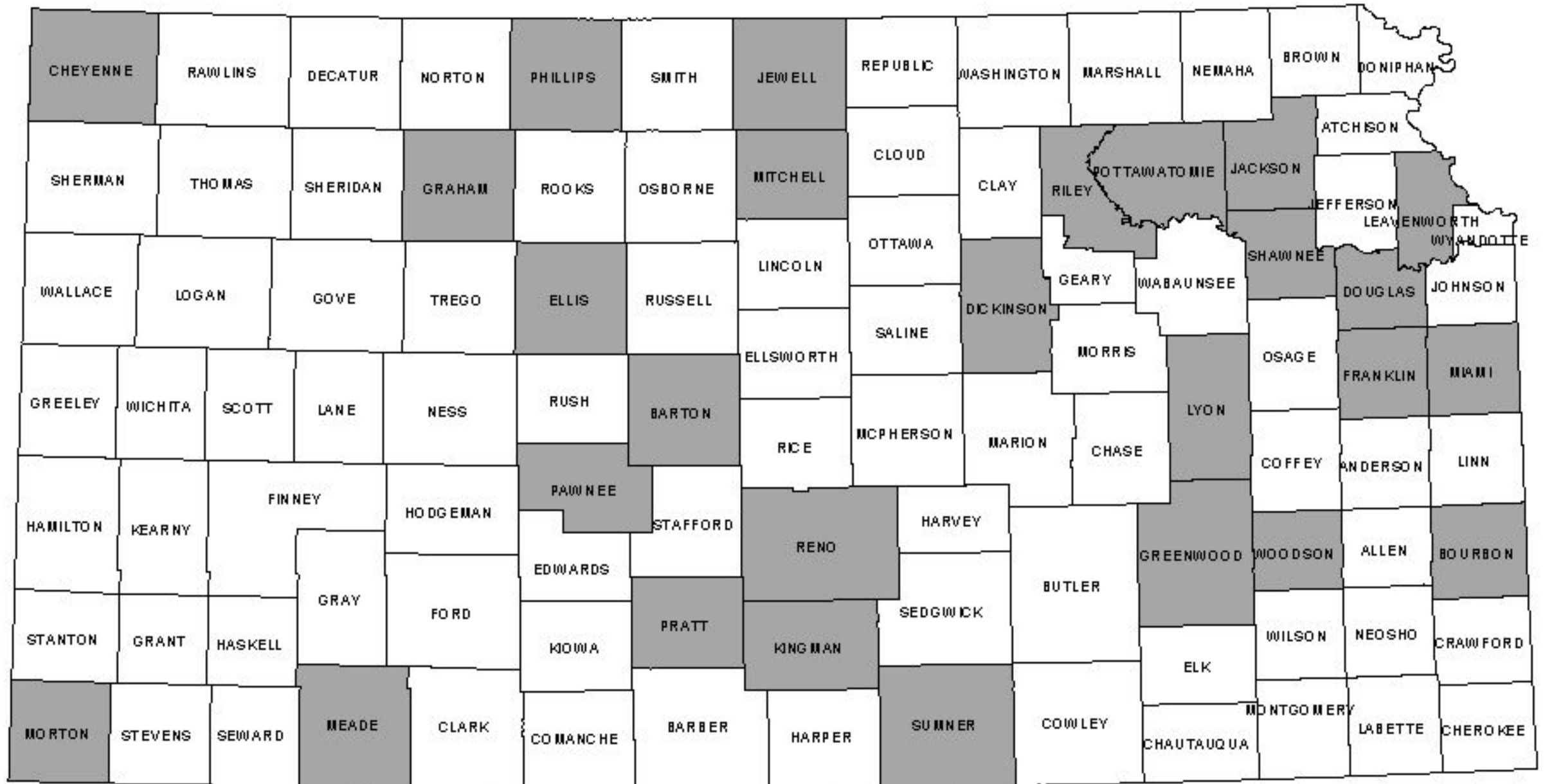
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## Reference List

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3. Baker, R. J. and Ward, C. M. Journal of Mammalogy. 1967; 48, 130-132.
4. Choate, J. R. and Fleharty, E. D. Occasional Papers, The Museum, Texas Tech University. 1975; 37, 1-80.
5. Constantine, D. G. Journal of Mammalogy. 1966; 47, 34-41.
6. Hall, E. R. Journal of Mammalogy. 1923; 4, 192-193.
7. LaVal, R. K.; Clawson, R. L.; LaVal, M. L., and Caire, W. Journal of Mammalogy. 1977; 58, 592-599.
8. McClure, H. E. Journal of Mammalogy. 1942; 23, 430-434.

9. McMillan, B. R.; Kaufman, D. W.; Kaufman, G. A., and Matlack, R. S. *The Prairie Naturalist*. 1997; 29, 263-271.
10. Shump, K. A., Jr. and Shump, A. U. *Mammalian Species*. 1982; 185, 1-6.

## Hoary Bat



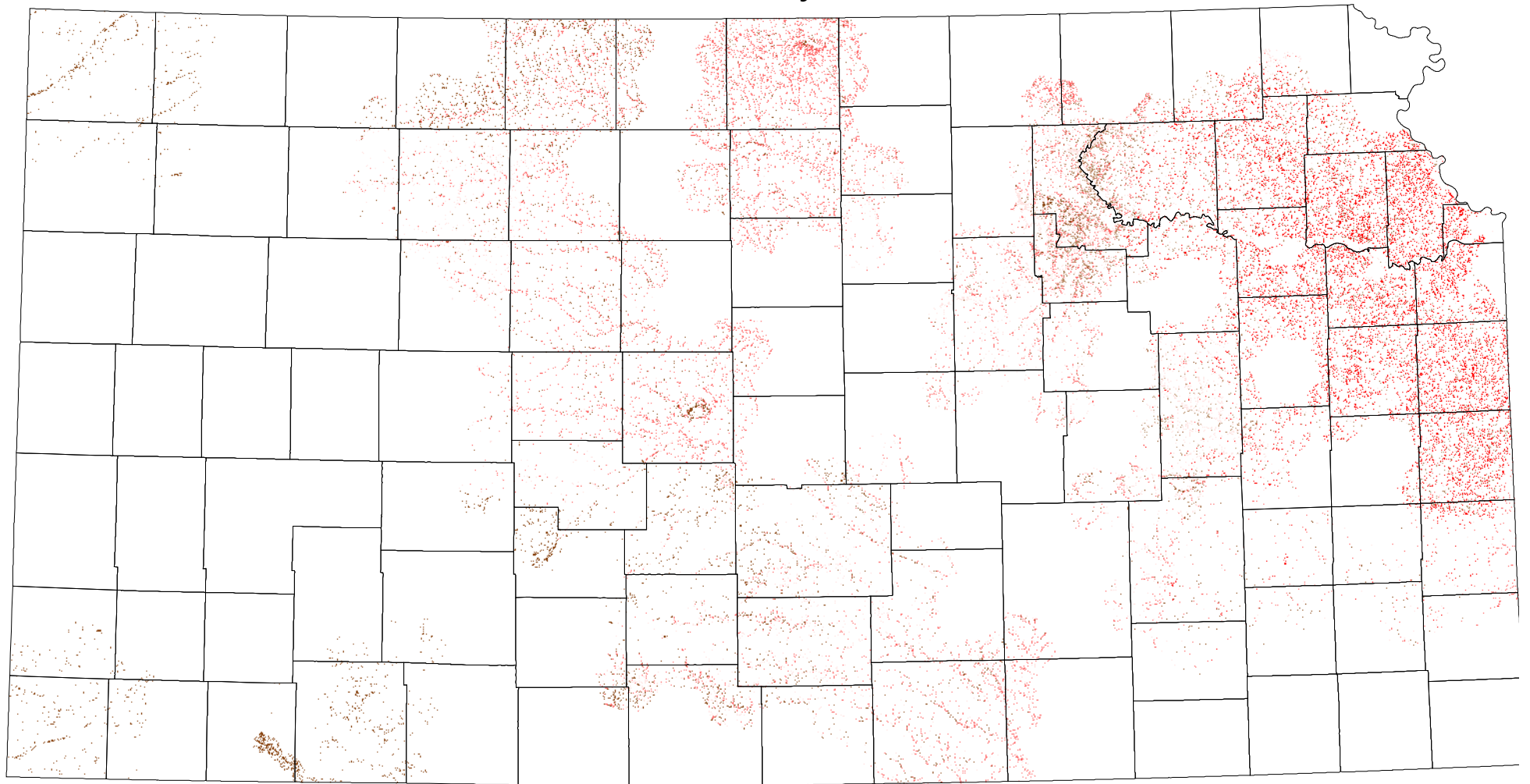
Recorded presence
  No records

Recorded distribution include specimen records and observations collected during 1941-2000 from University of Kansas Museum of Natural History, Sternberg Museum of Natural History, a large to mid-sized mammal survey conducted by regional biologists and conservation officers from the Kansas Department of Wildlife and Parks, and personal observations from professional mammalogists.

[Habitats](#)

[Habitat Map](#)

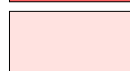
# Hoary Bat



Oak-Hickory Forest \*



Ash-Elm-Hackberry Floodplain Forest



Cottonwood Floodplain Forest



Mixed Oak Ravine Woodland



Cottonwood Floodplain Woodland

\* 30 m edge next to open habitats