

# Habitat Model for Species: Eastern Screech-owl

Alpha Code: EASO Status: Resident

[Distribution Map](#)

[Habitat Map](#)

## Landcover Category

### **0 - Comments**

De Geus and Bowles, 1991

Smith and Gilbert, 1984  
Cable et al., 1992  
Bosakowski and Smith, 1997

Johnsgard, 1988  
Petersen, 1991

[KS GAP]

[Reviewer]

### **Habitat Restrictions**

### **Comments**

owls were never more than 0.43 km from either a stream or lake

Found only in windbreaks larger than 4 ha. benefit from forest fragmentation and urbanization (less sensitivity to urbanization). "open woods" use shelterbelts, edge species using transitional areas between woodlands and open topography, strongly associated with water and human habitation. Generally, three factors listed for adequate habitat: suitable roost sites (cavities or dense canopy), absence of larger owls, and availability of water. D. Rintoul: Confirmed Breeding; several records of recently fledged EASO from a woodlot adjacent to backyard in Manhattan. Most recent a trio in June

### **01 - Maple-Basswood Forest**

Johnsgard, 1988  
Karalus and Eckert, 1987  
Petersen, 1991  
Cink, 1975

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

De Geus and Bowles, 1991  
Johnsgard, 1988  
Karalus and Eckert, 1987  
Petersen, 1991

### **03 - Post Oak-Blackjack Oak Forest**

Johnsgard, 1988  
Karalus and Eckert, 1987  
Petersen, 1991  
Cink, 1975

### **04 - Pecan Floodplain Forest**

Ellison, 1980  
De Geus and Bowles, 1990  
Petersen, 1991

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

Sparks et al., 1994  
Ellison, 1980  
De Geus and Bowles, 1990  
Petersen, 1991

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

Ellison, 1980  
Dorn and Dorn, 1994  
De Geus and Bowles, 1990  
Johnsgard, 1988  
Petersen, 1991

## **07 - Mixed Oak Floodplain**

De Geus and Bowles, 1991  
Ellison, 1980  
De Geus and Bowles, 1990  
Johnsgard, 1988  
Petersen, 1991

## **08 - Bur Oak Floodplain**

### **Woodland**

Ellison, 1980  
De Geus and Bowles, 1990  
Johnsgard, 1988  
Karalus and Eckert, 1987  
Petersen, 1991  
Cink, 1975

## **09 - Mixed Oak Ravine**

Ellison, 1980  
De Geus and Bowles, 1990  
Johnsgard, 1988  
Karalus and Eckert, 1987  
Petersen, 1991  
Cink, 1975

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

### **Woodland**

Johnsgard, 1988  
Karalus and Eckert, 1987  
Petersen, 1991  
Cink, 1975

## **11 - Cottonwood Floodplain**

### **Woodland**

Ellison, 1980  
Dorn and Dorn, 1994  
De Geus and Bowles, 1990  
Johnsgard, 1988  
Petersen, 1991

## **14 - Willow Shrubland**

De Geus and Bowles, 1991

## **36 - Cottonwood Savanna - not mapped**

Ellison, 1980  
Dorn and Dorn, 1994  
De Geus and Bowles, 1990  
Johnsgard, 1988  
Petersen, 1991

## **51 - Maple Floodplain Forest**

Ellison, 1980  
De Geus and Bowles, 1990  
Petersen, 1991

## **55 - Deciduous Woodland**

Ellison, 1980  
Karalus and Eckert, 1987  
Petersen, 1991  
Cink, 1975

## **81 - Urban Areas**

Johnsgard, 1988

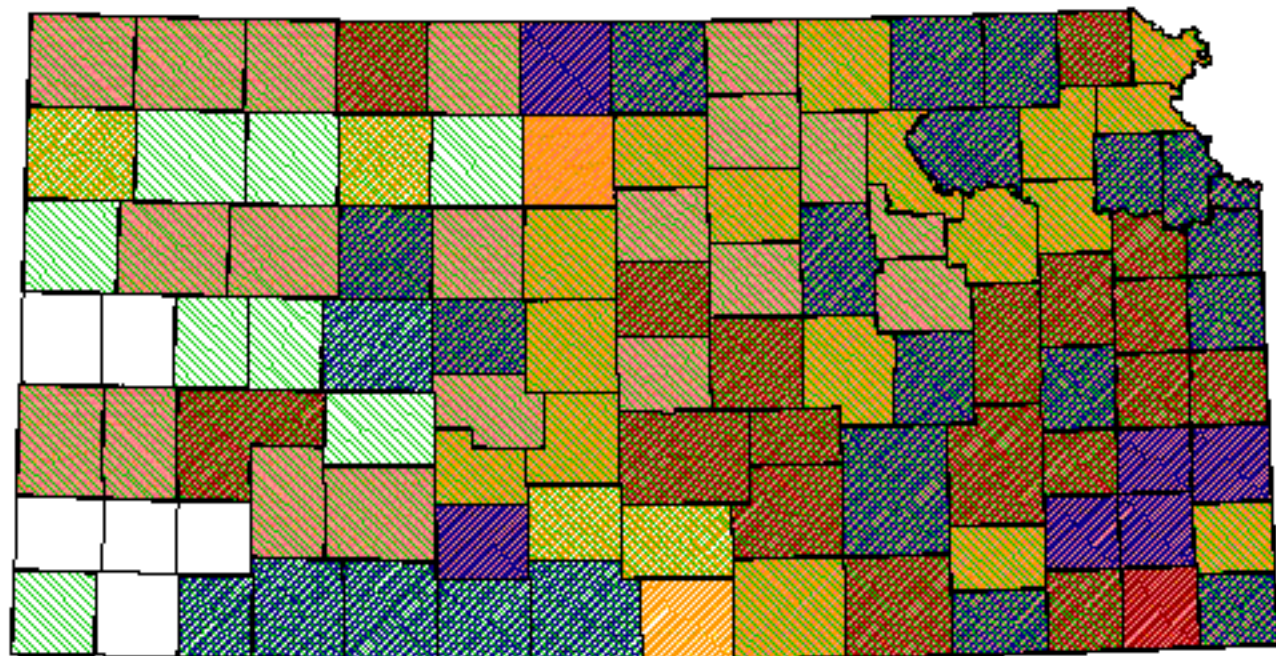
suburban areas with large shade trees with cavities suitable for nesting

### Reference List









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2. Cable, T. T., R. L. Schroeder, V. Brack, Jr., and P. S. Cook. 1992. Summer bird use of Kansas windbreaks. *Prairie Naturalist* 24(3):175-184.
3. Cink, C. L. 1975. Population densities of Screech Owls in northeastern Kansas. *Kansas Ornithological Society Bulletin* 26(3):13-15.

4. De Geus, D. W. and J. B. Bowles. 1990. Screech-owls in south-central Iowa. *Iowa Bird Life* 60(3):57-59.
5. \_\_\_\_\_. 1991. Relative abundance of Eastern Screech-Owls in a south-central Iowa township. *Journal of the Iowa Academy of Science* 98(2):91-92.
6. Dorn, R. D. and J. L. Dorn. 1994. Further data on Screech-owl distribution and habitat use in Wyoming. *Western Birds* 25:35-42.
7. Ellison, P. T. 1980. Habitat use by resident Screech Owls (*Otus asio*). Thesis, University of Massachusetts, Amherst, Massachusetts, USA.
8. Johnsgard, P. A. 1988. North American Owls. Smithsonian Institute Press, Washington, D.C., USA.
9. Karalus, K. E. and A. E. Eckert. 1987. The Owls of North America. Weathervane Books, New York, New York, USA.
10. Petersen, L. R. 1991. Mixed woodland owls. Pages 86-95 *in* Proceedings of the Midwest raptor management symposium and workshop. National Wildlife Federation, Washington, D.C., USA.
11. Smith, D. G. and R. Gilbert. 1984. Eastern Screech-owl home range and use of suburban habitats in southern Connecticut. *Journal of Field Ornithology* 55(3):322-329.
12. Sparks, E. J., J. R. Belthoff, and G. Ritchinson. 1994. Habitat use by Eastern Screech-Owls in central Kentucky. *Journal of Field Ornithology* 65(1):83-95.

## Eastern Screech-owl



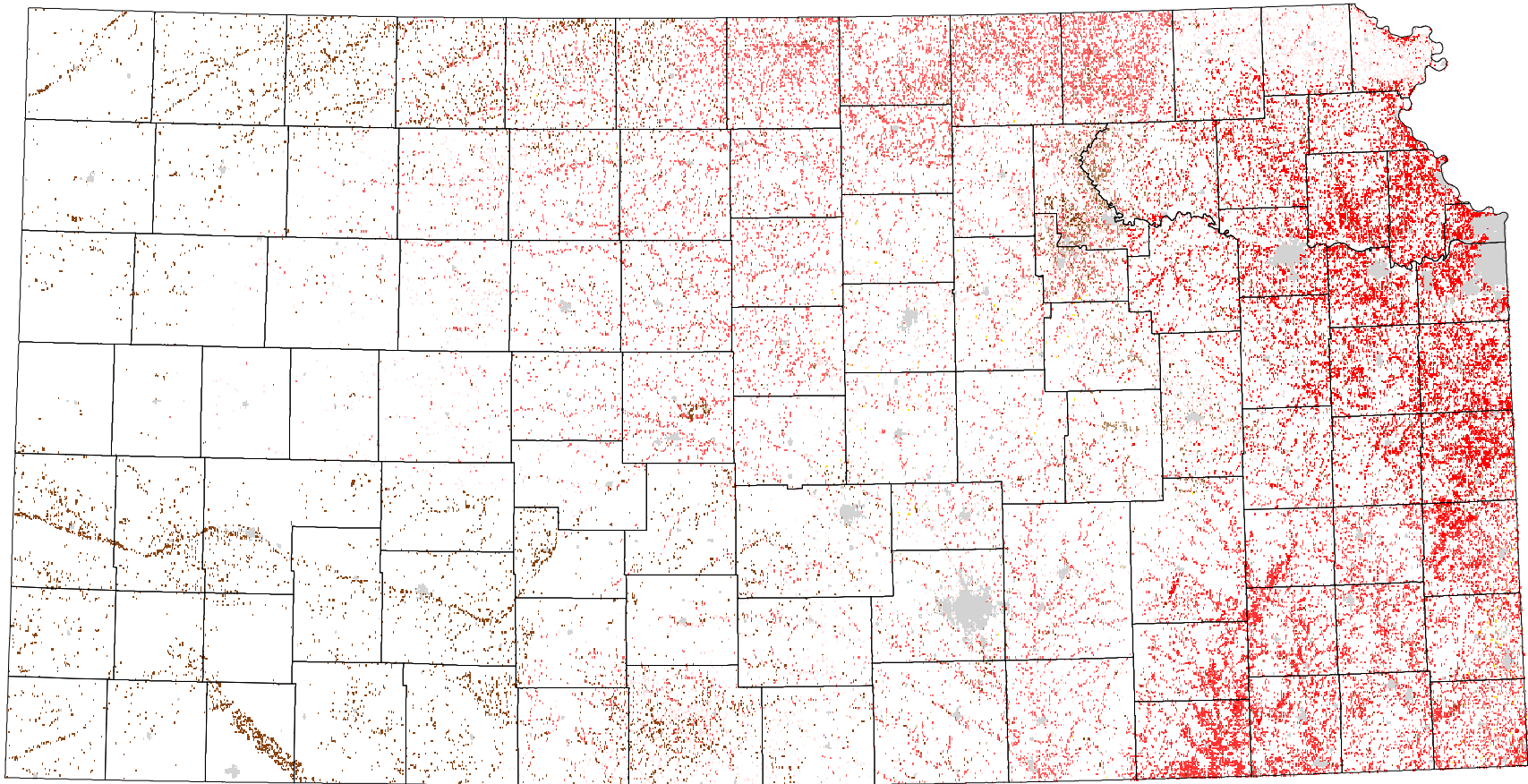
### Kansas Breeding Bird Atlas

- |  |   |  |
|--|---|--|
|  Confirmed Breeding |  Breeding Bird Survey    |  Range from Johnsgard, 1998   |
|  Probable Breeding  |  <i>Birds of Kansas,</i> |  <i>The Birds of Nebraska</i> |
|  Possible Breeding  |  <i>Horned Lark</i>      |  |

#### Habitat

All shaded counties will be included in the possible distribution of the species.

# Eastern Screech-owl



- Maple-Basswood Forest
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- Urban Areas