

# Habitat Model for Species: **Prairie Ringneck Snake**

*Diadophis punctatus arnyi*

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

## Landcover Category

### **0 - Comments**

Webb, 1970

Rundquist et al., 1978  
Burt and Hoyle, 1935  
Clarke, 1956  
Fitch, 1975

Gloyd, 1928

Clark, 1967

Hall and Smith, 1947  
Trowbridge, 1937  
Gloyd, 1932  
Brumwell, 1951

Burt, 1927  
Fitch, 1958

[#Reviewer]

### Habitat Restrictions

### Comments

Data for *Diadophis* is for a different subspecies than the one being mapped for Kansas. Additionally, the author states that the species is of uncertain status. For the above reasons, this paper is not being used to map this distribution only

Distribution only

Distribution only

Alliances were selected based on habitat classifications due to the fairly ubiquitous occurrence of this species in grassland and woodland habitats. According to the paper, it is especially abundant in the ecotone between grassland and woodland habitat

Author states that the ringneck is uncommon in the area studied.

experimental test of soil selection for *Diadophis*. No clear application to modeling.

Distribution only

Common under stones on the prairie (pp 295)

Found in upland slopes and hillsides (pp 393).

Found in open woods or buckbrush-sumac formations (pp45).

Distribution only

Optimum habitat is open woodland with abundant flat rocks. Scarce in woodlands with closed canopies.

Platt: Probably more habitats in the west (no suggestions). Most important aspect is good populations of earthworms and surface cover (rocks). Not found in Sand Prairie (Harvey Co.), seen rarely in eastern Harvey

Habitat not in Fitch reference, but is an appropriate habitat based on Collins.

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

[#KS GAP]

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

Clarke, 1958  
Fitch, 1975  
Gloyd, 1928

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

Fitch, 1975

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

Gloyd, 1928  
Busby and Parmelee, 1996

### **07 - Mixed Oak Floodplain Forest**

Heinrich and Kaufman, 1985

### **08 - Bur Oak Floodplain Woodland**

Fitch, 1975  
Gloyd, 1928  
Heinrich and Kaufman, 1985  
[#Reviewer]

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

Clarke, 1958  
Fitch, 1975  
Heinrich and Kaufman, 1985  
Busby and Parmelee, 1996

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

Fitch, 1975

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

Busby and Parmelee, 1996

31 of 33 records were from under limestone rocks.

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Distler: Occasionally observed along Stewart Creek in Cowley County.

31 of 33 records were from under limestone rocks.

### **17 - Tallgrass Prairie**

Clarke, 1958  
Fitch, 1975  
Heinrich and Kaufman, 1985

31 of 33 records were from under limestone rocks. Found in shrub and grassland outcrops.

Busby and Parmelee, 1996

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

Fitch, 1975  
Busby and Parmelee, 1996

### **50 - Deciduous Forest-Mined Land**

Clarke, 1958

### **51 - Maple Floodplain Forest**

Fitch, 1975

### **55 - Deciduous Woodland**

Fitch, 1975

### **71 - Weedy Upland**

Fitch, 1975

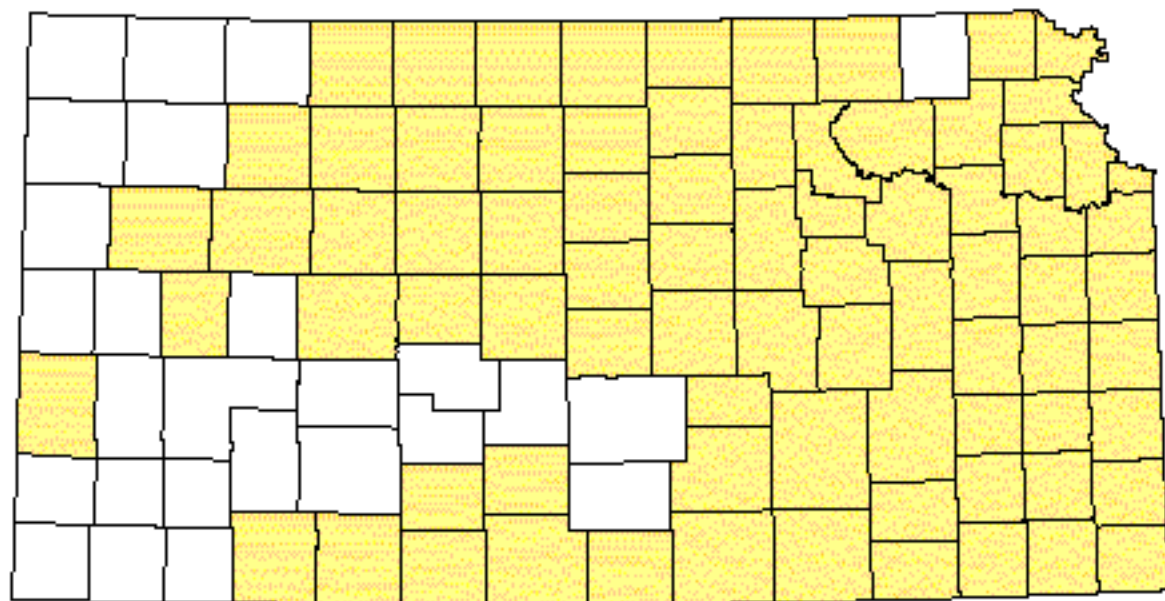
### **91 - Ozark Sandstone Glade / Prairie - not mapped**


Fitch, 1975

## Reference List

1. Brumwell, M. J. 1951. An ecological survey of Fort Leavenworth Military Reservation. *American Midland Naturalist* 45(1):187-231.
2. Burt, C. E. 1927. An annotated list of the amphibians and reptiles of Riley County, Kansas. *Occasional Papers of the Museum of Zoology, University of Michigan* 189:1-9.
3. Burt, C. E. and W. L. Hoyle. 1935. Additional records of the reptiles of the central prairie region of the United States. *Transactions of the Kansas Academy of Science* 37:193-216.
4. Busby, W. H. and J. R. Parmelee. 1996. Historical changes in a herpetofaunal assemblage in the Flint Hills of Kansas. *American Midland Naturalist* 135(1):81-91.
5. Clark, D. R. 1967. Experiments into selection of soil type, soil moisture level, and temperature by five species of small snakes. *Transactions of the Kansas Academy of Science* 70(4):490-496.
6. Clarke, R. F. 1956. Distributional notes on some amphibians and reptiles of Kansas. *Transactions of the Kansas Academy of Science* 59(2):213-219.
7. \_\_\_\_\_. 1958. An ecological study of the reptiles and amphibians in Osage County, Kansas. *Emporia State Research Studies, Kansas State Teachers College* 7(1):1-52.
8. Fitch, H. S. 1958. Home ranges, territories, and seasonal movements of vertebrates of the Natural History Museum. *University of Kansas Publications, Museum of Natural History* 11(3):63-326.
9. \_\_\_\_\_. 1975. A demographic study of the ringneck snake (*Diadophis punctatus*) in Kansas. *Miscellaneous Publication No. 2. University of Kansas Museum of Natural History*,
10. Gloyd, H. K. 1928. The amphibians and reptiles of Franklin County, Kansas. *Transactions of the Kansas Academy of Science* 31:115-141.
11. \_\_\_\_\_. 1932. The herpetological fauna of the Pigeon Lake Region, Miami County, Kansas. *Papers of the Michigan Academy of Science Arts and Letters* 15:389-408.
12. Hall, H. H. and H. M. Smith. 1947. Selected records of reptiles and amphibians from southeast Kansas. *Transactions of the Kansas Academy of Science* 49(4):447-454.
13. Heinrich, M. and D. W. Kaufman. 1985. Herpetofauna of the Konza Prairie Research Natural Area, Kansas. *Prairie Naturalist* 17(2):101-112.
14. Rundquist, E. M., E. Stegall, D. Grow, and P. Gray. 1978. New herpetological records from Kansas. *Transactions of the Kansas Academy of Science* 81(1):73-77.
15. Trowbridge, A. H. 1937. Ecological observations on amphibians and reptiles collected in southeastern Oklahoma during the summer of 1934. *American Midland Naturalist* 18(2):285-303.
16. Webb, R. G. 1970. *Reptiles of Oklahoma*. University of Oklahoma Press, Norman, Oklahoma, USA.

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 Range from Collins, 1993

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