

# Habitat Model for Species: **Southern Bog Lemming** *Synaptomys cooperi*

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

## Landcover Category

### **0 - Comments**

[#Reviewer]

### **Habitat Restrictions**

### **Comments**

Kaufman : Add Barton and Saline Co.

### **17 - Tallgrass Prairie**

Finck et al., 1986

negatively affected by fires because of destruction of mulch layer; others suggest species is found in areas with heavy herbaceous ground cover in both grasslands and woodlands of e. KS (i.e., marshes and wet grasslands preferred)

Sheffield, 1998

McMillan and Kaufman, 1994

MARGINAL habitat - 3 individuals

### **22 - Mixed Prairie**

Clark et al., 1986

one adult female and two juveniles were captured at same station; considered optimal because reproduction occurred

Kaufman et al., 2000

MARGINAL habitat - 5 bog lemmings captured

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

Pitts et al., 1987

uncommon, found around marshy areas and in high grass sometimes

Welker and Choate, 1994

### **33 - Cattail Marsh**

Hill and Hibbard, 1943

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

Hoffmeister, 1947

Finck et al., 1986

negatively affected by fires because of destruction of mulch layer; others suggest species is found in areas with heavy herbaceous ground cover in both grasslands and woodlands of e. KS (i.e., marshes and wet grasslands preferred)

Gaines et al., 1977

abandoned fields dominated by cultivated *Bromus inermis* and invaded to varying degrees by woody vegetation; next to abandoned limestone quarry

Choate, 1967

area was ungrazed field of brome (*Bromus*) with much encroaching honey locust (*Gleditsia triacanthos*) and some weedy vegetation

Johnson and Gaines, 1988

Danielson and Swihart, 1987

Swihart and Slade, 1990

lemmings captured regularly, though never >4/100 trap nights; in winter and spring, bog lemmings captured more frequently than expected in grass habitat

Welker and Choate, 1994

## **55 - Deciduous Woodland**

Rose, 1989

MARGINAL habitat; woodland habitat a lowland with rocky slope and intermittent stream with numerous large *Maclura pomifera* and *Gleditsia tricanthos* forming open woodland; *Bromus inermis*, *Poa pratensis*, *Andropogon virginicus*, *Aristida purpurea* understory

## **71 - Weedy Upland**

Johnson and Gaines, 1988

## **81 - Urban Areas**

Jameson, 1947

location was lawn on campus of University of Kansas; cover was *Poa* and *Bromus*

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

Choate, 1967

Linzey and Cranford, 1984

habitat where bog lemmings occurred had less grass cover and more small and medium height trees, small shrubs and large shrubs (other than *Rubus/Rosa*)

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