

# Habitat Model for Species: **Plains Pocket Mouse**

*Perognathus flavescens*

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

## Landcover Category

### **12 - Sandsage Shrubland**

Reed and Choate, 1986b  
Fleharty and Navo, 1983  
Moulton et al., 1981  
Garner, 1974  
Monk and Jones, 1996

Sieg et al., 1986

SUBOPTIMAL habitat  
grazed sagebrush is SUBOPTIMAL habitat

association chosen from general description in  
Mammalian Species account

SUBOPTIMAL habitat; more open saltbush areas used  
for foraging, but burrows and sand for dust bathing  
found in sagebrush grassland nearby

### **13 - Saltbush - Grama Shrubland - not mapped**

Monk and Jones, 1996

Sieg et al., 1986

association chosen from general description in  
Mammalian Species account

SUBOPTIMAL habitat; more open saltbush areas used  
for foraging, but burrows and sand for dust bathing  
found in sagebrush grassland nearby

### **17 - Tallgrass Prairie**

Vacanti and Geluso, 1985  
Wilson et al., 1996

1 mouse captured; because habitat has sandy soil, it  
likely should be considered optimal, although this  
habitat (as in Iowa) is at the easternmost edge of  
species range; woody invaders on site were *Gleditsia*  
and *Morus*

### **18 - Sand Prairie**

Reed and Choate, 1986b  
Meserve, 1971

### **22 - Mixed Prairie**

Whitmer, 1966

### **25 - Shortgrass Prairie**

Moulton et al., 1981  
Lemen and Rosenzweig, 1978

ungrazed shortgrass a MARGINAL habitat

### **44 - Cultivated Land**

Fleharty and Navo, 1983

## **60 - Mixed Prairie-Disturbed Land**

Reed and Choate, 1986a

cheek pouches contained large amounts of field and seed corn from nearby center-pivot irrigated cornfield, but mice appeared to be living only in diamond waste areas

Fleharty and Navo, 1983

## **71 - Weedy Upland**

Pitts and Choate, 1987

Pitts et al., 1987

Whitmer, 1966

mouse uncommon - MARGINAL habitat

mouse uncommon - MARGINAL habitat

## **90 - Riverine Sand Flats and Bars - not mapped**

Pitts and Choate, 1987

Pitts et al., 1987

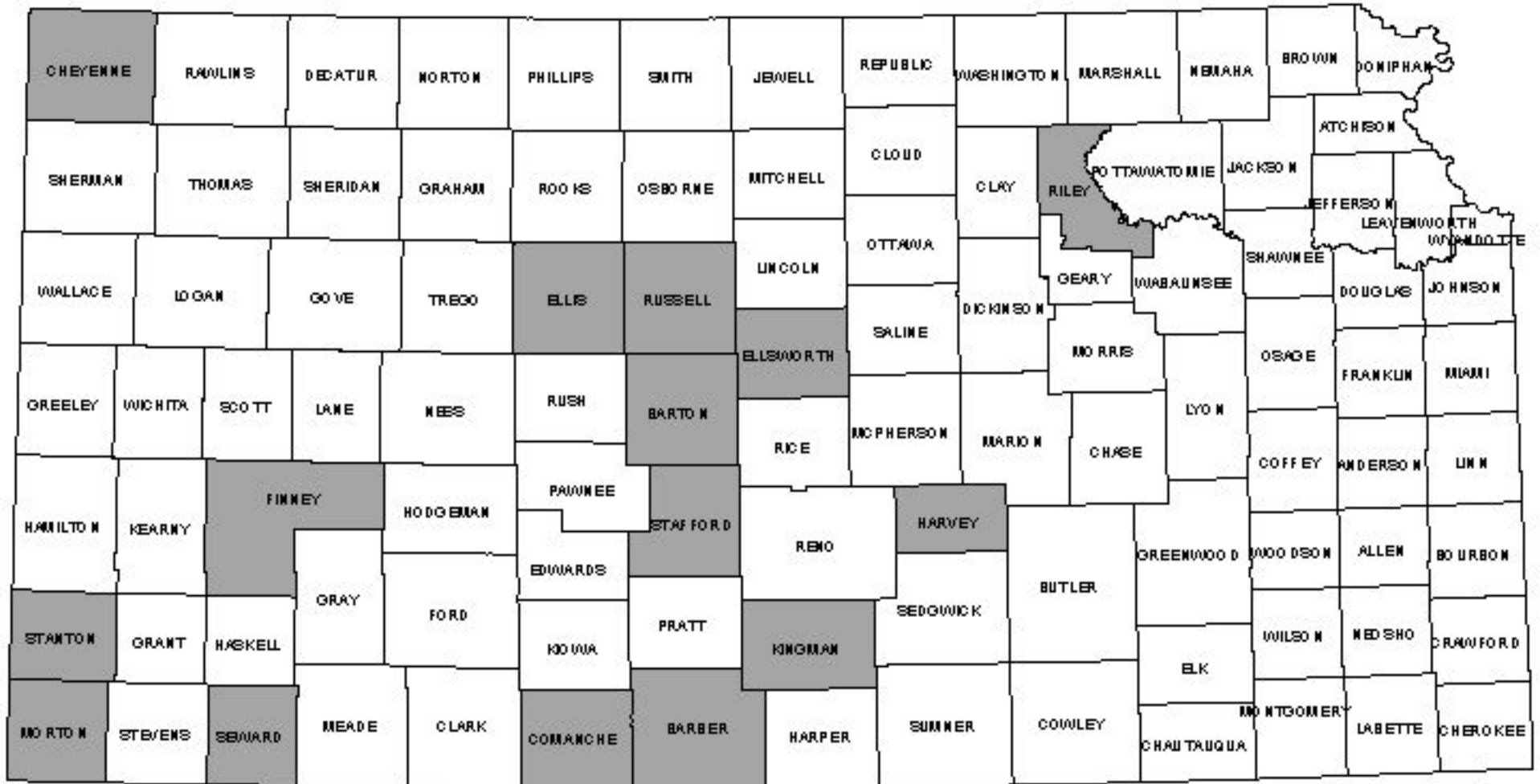
mouse uncommon - MARGINAL habitat

mouse uncommon - MARGINAL habitat

### Reference List

1. Fleharty, E. D. and K. W. Navo. 1983. Irrigated cornfields as habitat for small mammals in the sandsage prairie region of western Kansas. *Journal of Mammalogy* 64:367-379.
2. Garner, H. W. 1974. Population dynamics, reproduction, and activities of the kangaroo rat, *Dipodomys ordii*, in western Texas. *Graduate Studies, Texas Tech University* 7:1-28.
3. Lemen, C. A. and M. L. Rosenzweig. 1978. Microhabitat selection in two species of heteromyid rodents. *Oecologia (Berlin)* 33:127-135.
4. Meserve, P. L. 1971. Population ecology of the prairie vole, *Microtus ochrogaster*, in the western mixed prairie of Nebraska. *The American Midland Naturalist* 86:417-433.
5. Monk, R. R. and J. K. Jones, Jr. 1996. *Perognathus flavescens*. *Mammalian Species* 525:1-4.
6. Moulton, M. P., J. R. Choate, S. J. Bissell, and R. A. Nicholson. 1981. Associations of small mammals on the central High Plains of eastern Colorado. *The Southwestern Naturalist* 26:53-57.
7. Pitts, R. M. and J. R. Choate. 1987. The plains pocket mouse in eastern Kansas. *The Prairie Naturalist* 19:263.
8. Pitts, R. M., M. J. Levalley, and S. Klinger. 1987. Mammals of Fort Riley, Kansas. *Transactions of the Kansas Academy of Science* 90:75-80.
9. Reed, K. M. and J. R. Choate. 1986a. Natural history of the plains pocket mouse in agriculturally disturbed sandsage prairie. *The Prairie Naturalist* 18:79-90.
10. Reed, K. M. and J. R. Choate. 1986b. Geographic variation in the plains pocket mouse (*Perognathus flavescens*) on the Great Plains. *The Texas Journal of Science* 38:227-240.
11. Sieg, C. H., D. W. Uresk, and R. M. Hansen. 1986. The value of bentonite mine spoils in southeastern Montana as small mammal habitat. *Northwest Science* 60:218-224.
12. Vacanti, P. L. and K. N. Geluso. 1985. Recolonization of a burned prairie by meadow voles (*Microtus pennsylvanicus*). *The Prairie Naturalist* 17:15-22.
13. Whitmer, E. L. 1966. Some ecological observations on the mammals of east central Russell County, Kansas. M.S. Thesis. Fort Hays State College. Hays, Kansas.
14. Wilson, G. M., J. B. Bowles, and J. W. VanZee. 1996. Current status of the plains pocket mouse, *Perognathus flavescens*, in Iowa. *Journal of the Iowa Academy of Science* 103:52-55.

## Plains Pocket Mouse



Recorded presence
  No records

Recorded distribution include specimen records and observations collected during 1941-2000 from University of Kansas Museum of Natural History, Stenberg 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](#)

# Plains Pocket Mouse

