

Habitat Model for Species: **Ord's Kangaroo Rat**

Dipodomys ordii

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

Landcover Category

12 - Sandsage Shrubland

Choate and Terry, 1974

Flehart and Navo, 1983
Garrison and Best, 1990

Moulton et al., 1981

Garner, 1974
Hill and Hibbard, 1943

Larrison and Johnson, 1973
McCulloch, 1962
Ports and Ports, 1989

5 kangaroo rats total; 3 in rangeland and 2 in floodplain
- SUBOPTIMAL

association chosen from description in Mammalian
Species account for *D. ordii*

grazed sand sagebrush OPTIMAL, but ungrazed sand
sagebrush is MARGINAL habitat

also included some *Prunus* thickets along intermittent
streams

some portions of this habitat are SUBOPTIMAL, sandy
soils extremely important to species, abundant on sand
dunes

17 - Tallgrass Prairie

Keyse, 1967

1% of captures - MARGINAL habitat

18 - Sand Prairie

Root et al., 1999

more abundant on sand dunes than in areas with more
Atriplex (MARGINAL)

20 - Western Wheatgrass Prairie

Deisch et al., 1990

associated with prairie dog towns

22 - Mixed Prairie

O'Connell, 1979
Best et al., 1993 only in areas with sandy soil

must have sandy soil for building burrows
association chosen based on plant species, but
kangaroo rat requires sandy soil

25 - Shortgrass Prairie

Keyse, 1967

this habitat appears to be OPTIMAL where soil is sandy
and forbs abundant, but SUBOPTIMAL habitat here
because it was overgrazed

Moulton et al., 1981
Hill and Hibbard, 1943
Lemen and Rosenzweig, 1978

SUBOPTIMAL habitat

kangaroo rats captured almost exclusively in grassy
areas and preferred bare areas within habitat

Wu et al., 1996
Flake, 1973

MARGINAL habitat

36 - Cottonwood Savanna - not mapped

Moulton et al., 1981

MARGINAL habitat

37 - Winterfat - Blue Grama Prairie - not mapped

Wu et al., 1996

MARGINAL habitat

41 - CRP

Welker, 1994a

semipermanent - SUBOPTIMAL-MARGINAL habitat

44 - Cultivated Land

Flehart and Navo, 1983

cornfields underutilized during most months -
SUBOPTIMAL habitat

Kaufman and Kaufman, 1990
Kaufman et al., 2000
Welker, 1994b

1 kangaroo rat in wheat field; MARGINAL habitat
wheat fields a SUBOPTIMAL habitat

SUBOPTIMAL habitat - 1.1 k-rats/100 trapnights in
wheat, 0.2 k-rats/100 trapnights in sorghum

60 - Mixed Prairie-Disturbed Land

Choate and Fleharty, 1975

often inhabits roadside ditches when adjacent to fallow fields or where vegetation is interspersed with bare, sandy soil (uses sand for dusting fur), where abrupt banks facilitate burrowing

Fleharty and Navo, 1983

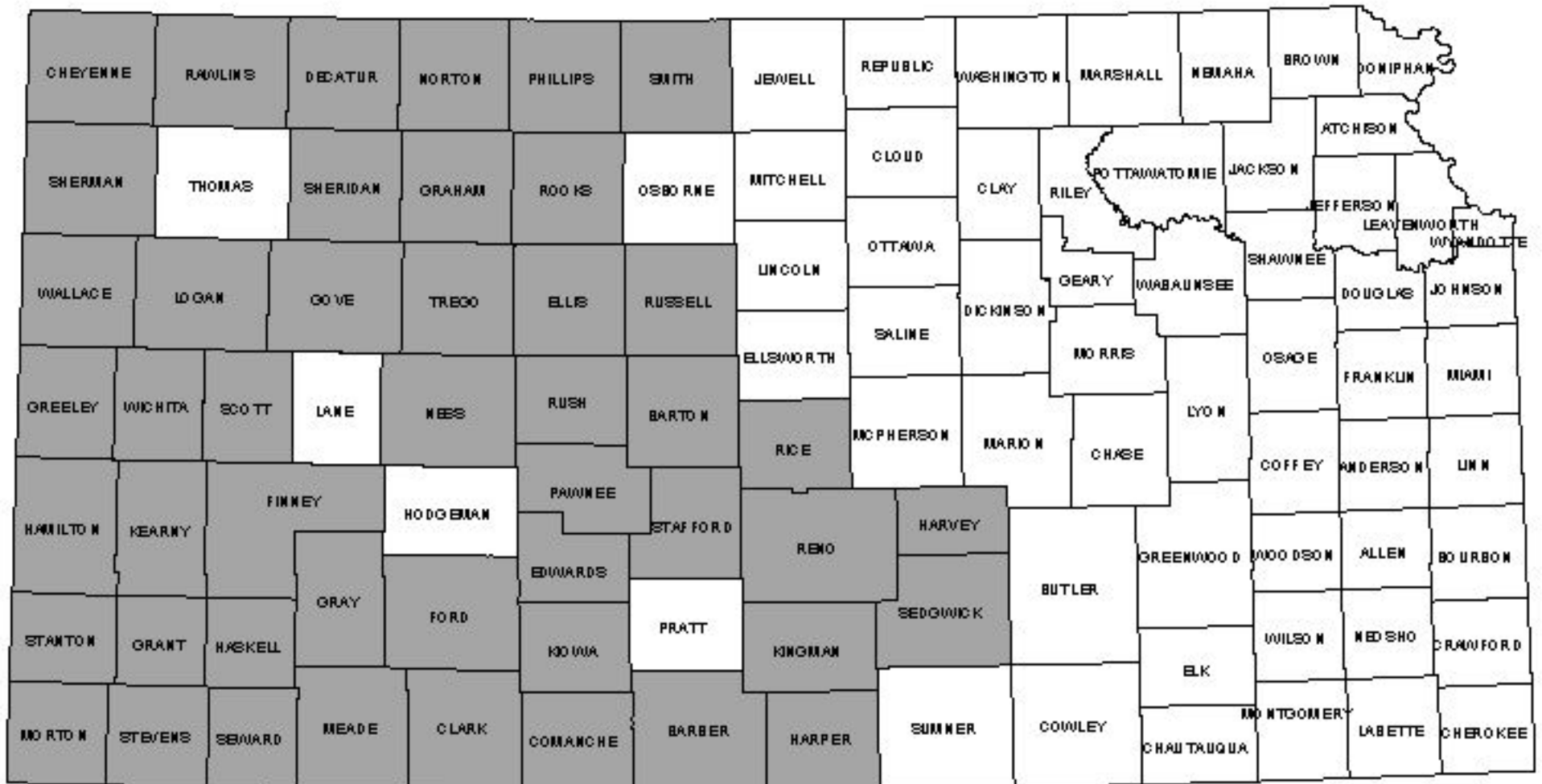
Kaufman et al., 2000

planted plum-cedar thickets in mixed grass prairie - MARGINAL habitat

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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](#)

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