

Habitat Model for Species: Northern Cardinal

Alpha Code: NOCA Status: Resident

[Distribution Map](#)

[Habitat Map](#)

Landcover Category

0 - Comments

[KS GAP]

Stauffer and Best, 1980
Filliater et al., 1994

Dow, 1970

Stauffer and Best, 1986

Nolan, 1963

Conner et al., 1986

Anderson and Shugart, 1974

Gorton, 1982

James, 1971

Halkin and Linville, 1999

[Reviewer]

Habitat Restrictions

30 m edge of selected wetlands (31,32,33,70).

Comments

used non-native grassland for foraging very near
65% of nests were built in the dense shrubs
honeysuckle and multiflora rose, 7% in eastern

An increase in woody cover, regardless of foliage
type, was associated with an increase in cardinal
numbers in all regions.

nest-site characteristics; separated from other
shrub-nesting species by increased nest and
support-structure height and support-limb diameter
(Indigo Bunting) and from Brown Thrasher and Gray
Catbird by less cover above and below the nest.

throughout old fields and fields with dense cover of
blackberry and rose; on edges of blackberry thickets
with numerous dense stands of small trees and
brushy hawthorn fields.

Cardinals may require a threshold amount of
understory foliage in their territories. If shrub foliage
is sparse, territory size may be increased to
found on plots usually with thick subcanopy
vegetation and open canopies, and are on the flat
Populations increased throughout the winter, then
decreased to a spring population size of 16-16.5
birds (48% of the maximum winter population).

shows remarkable latitude in their choice of habitat in
principal component analysis.

In areas with shrubs and/or small trees; shelterbelts,
hedgerows in agricultural fields

Zimmerman: I doubt that all counties indicated by
Johnsgard have cardinals, but probably if you looked
at every farmstead you might find one.

01 - Maple-Basswood Forest

Stauffer and Best, 1980
Ambuel and Temple, 1983
Johnston, 1947
Halkin and Linville, 1999

edge

edge and interior with shrubs present

02 - Oak-Hickory Forest

Stauffer and Best, 1980
Gates and Gysel, 1978
Ambuel and Temple, 1983
Shugart and James, 1973
Anderson and Shugart, 1974
Kahl et al., 1985
Halkin and Linville, 1999

nested in shrubs on the edge

edge and interior with shrubs present

03 - Post Oak-Blackjack Oak Forest

Shugart and James, 1973
Halkin and Linville, 1999

edge and interior with shrubs present

04 - Pecan Floodplain Forest

Fawver, 1947
Halkin and Linville, 1999

edge and interior with shrubs present

05 - Ash-Elm-Hackberry

Floodplain Forest

Stauffer and Best, 1980
Filliater et al., 1994 dense shrubs or redcedar
Zimmerman and Tatschl, 1975
Fawver, 1947
Obermeyer, 1992
Halkin and Linville, 1999

edge and interior with shrubs present

06 - Cottonwood Floodplain Forest

Platt, 1975
Ritchison and Omer, 1990
Kahl et al., 1985
Halkin and Linville, 1999

winter

edge and interior with shrubs present

07 - Mixed Oak Floodplain

Zimmerman, 1993
Finck, 1984
Halkin and Linville, 1999

winter

edge and interior with shrubs present

08 - Bur Oak Floodplain

Woodland

Johnston, 1947
Zimmerman, 1993
Finck, 1984
Kahl et al., 1985
Halkin and Linville, 1999

edge

winter

edge and interior with shrubs present

09 - Mixed Oak Ravine

Zimmerman, 1993
Finck, 1984
Halkin and Linville, 1999

winter

edge and interior with shrubs present

10 - Post Oak-Blackjack Oak

Woodland

Shugart and James, 1973
Halkin and Linville, 1999

edge and interior with shrubs present

11 - Cottonwood Floodplain

Woodland

Platt, 1975
Wiens, 1963
Halkin and Linville, 1999

edge and interior with shrubs present

12 - Sandsage Shrubland

Halkin and Linville, 1999

13 - Saltbush - Grama

Shrubland - not mapped

Halkin and Linville, 1999

14 - Willow Shrubland

Halkin and Linville, 1999

15 - Buttonbush (Swamp)

Shrubland

Platt, 1975
Halkin and Linville, 1999

31 - Freshwater Marsh

[KS GAP]
Halkin and Linville, 1999

Map 30 m edge.
marsh edge

32 - Bulrush Marsh

[KS GAP]
Halkin and Linville, 1999

Map 30 m edge.
marsh edge

33 - Cattail Marsh

[KS GAP]
Halkin and Linville, 1999

Map 30 m edge.
marsh edge

42 - Salt Cedar or Tamarisk Shrubland

Halkin and Linville, 1999

50 - Deciduous Forest-Mined Land

Halkin and Linville, 1999

edge and interior with shrubs present

51 - Maple Floodplain Forest

Stauffer and Best, 1980
Fawver, 1947
Halkin and Linville, 1999

edge and interior with shrubs present

52 - Evergreen Forest-Disturbed Land

Shugart and James, 1973
Halkin and Linville, 1999

edge and interior with shrubs present

55 - Deciduous Woodland

Halkin and Linville, 1999

edge and interior with shrubs present

70 - Weedy Marsh

[KS GAP]
Halkin and Linville, 1999

Map 30 m edge.
marsh edge

71 - Weedy Upland

Zimmerman and Tatschl, 1975
Halkin and Linville, 1999

successional fields

81 - Urban Areas

Halkin and Linville, 1999

91 - Ozark Sandstone Glade / Prairie - not mapped

Stauffer and Best, 1980
Halkin and Linville, 1999

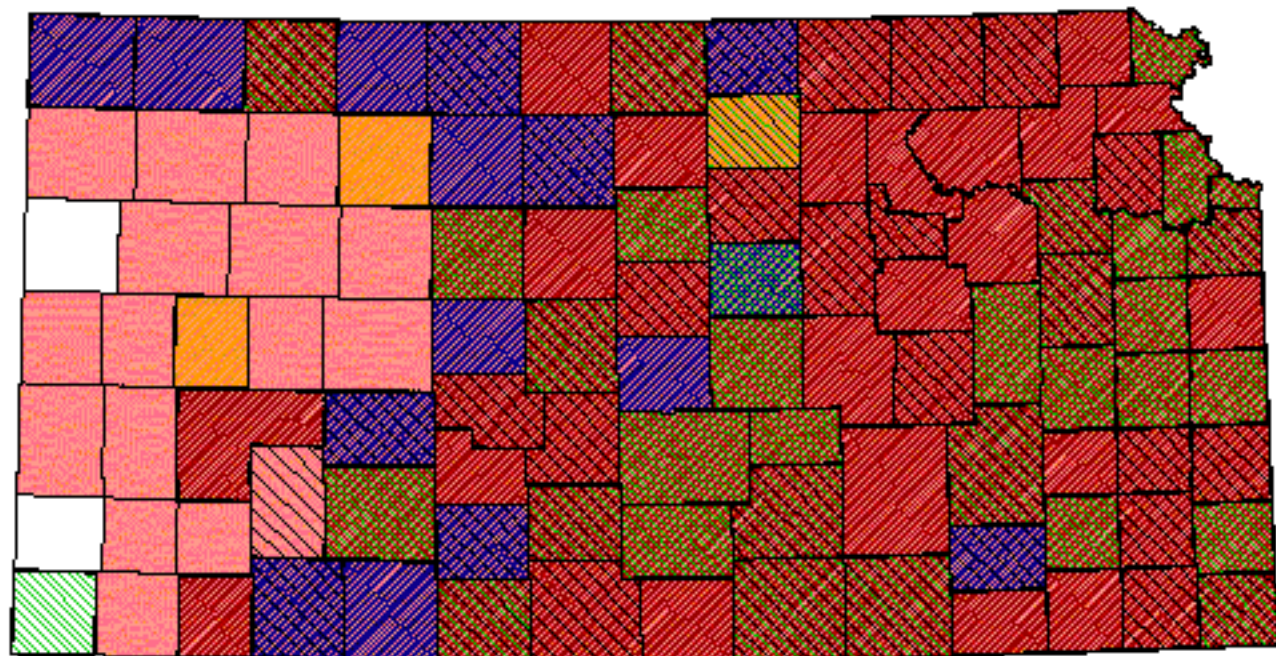
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Northern Cardinal





Kansas Breeding Bird Atlas


 Confirmed Breeding

 Probable Breeding

 Possible Breeding

 Breeding Bird Survey

 *Birds of Kansas,*
Horned Lark

 Range from Johnsgard, 1998
The Birds of Nebraska

Habitat

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

