

Habitat Model for Species: Swainson's Hawk

Alpha Code: SWHA Status: Breeding

[Distribution Map](#)

[Habitat Map](#)

Landcover Category

0 - Comments

Woffinden and Mosher, 1979

Schmutz, 1984b

Schmutz, 1984a
Bechard, 1982

James, 1992

Bechard et al., 1990

Schmutz et al., 1980

Base and Sievert, 1987
Olendorff, 1972

Phillips and Beske, 1990

06 - Cottonwood Floodplain Forest

Leslie, 1992

11 - Cottonwood Floodplain Woodland

Bednarz, 1988
Olendorff, 1973
Olendorff, 1972
Leslie, 1992
Phillips and Beske, 1990
England et al., 1997

12 - Sandsage Shrubland

Bednarz, 1988
England et al., 1997

13 - Saltbush - Grama Shrubland - not mapped

Bednarz, 1988
England et al., 1997

14 - Willow Shrubland

Bednarz, 1988
England et al., 1997

17 - Tallgrass Prairie

Bednarz, 1988
Berry et al., 1998
England et al., 1997

18 - Sand Prairie

Johnsgard, 1990
Bednarz, 1988
Mathisen and Mathisen, 1959
England et al., 1997

Habitat Restrictions

Comments

nested on a rock ledge 1.5 m above the surrounding ground

Nested in close proximity to human habitation, some nested in rows of trees surrounding farmyards.

used artificial nesting structures (platforms).

Because of its limited availability, heavy use of uncultivated habitat concentrated food searches in small portions of each range.

nested in urban environment in Regina, Saskatchewan. Not mapped for Kansas.

SWHA nests were closest to roads and human structures and nearly half were in areas where the surrounding habitat was dominated by wheat fields.

Inhabit the interface between arid and open landscapes and woodland (farmstead and shelterbelt plantings and clumps of shrubs) in Alberta

(grassland spp. not identified).

did not use artificial nest structures

Farmsteads were important man-created nesting situations.

Nests extensively in windbraks around ranch houses.

20 - Western Wheatgrass

Johnsgard, 1990
Gilmer and Stewart, 1984
Bednarz, 1988
Schmutz, 1989
England et al., 1997

22 - Mixed Prairie

Johnsgard, 1990
Gilmer and Stewart, 1984
Bednarz, 1988
Schmutz, 1989
England et al., 1997

24 - Alkali Sacaton Prairie

Johnsgard, 1990
Gilmer and Stewart, 1984
Bednarz, 1988
England et al., 1997

25 - Shortgrass Prairie

Johnsgard, 1990
Bednarz, 1988
Barko, 1994
Olendorff, 1972
Leslie, 1992
Mathisen and Mathisen, 1959
England et al., 1997

36 - Cottonwood Savanna - not mapped

Bednarz, 1988
England et al., 1997

37 - Winterfat - Blue Grama Prairie - not mapped

Bednarz, 1988
England et al., 1997

40 - Non-native Grassland

Bednarz, 1988
England et al., 1997

41 - CRP

Bednarz, 1988
England et al., 1997

42 - Salt Cedar or Tamarisk Shrubland

Bednarz, 1988
England et al., 1997

44 - Cultivated Land

Bechard, 1982
Gilmer and Stewart, 1984
Bednarz, 1988
Leslie, 1992
England et al., 1997

harvested wheat and pea fields.
wheat and sunflower fields

60 - Mixed Prairie-Disturbed Land

Johnsgard, 1990
Gilmer and Stewart, 1984

71 - Weedy Upland

Bednarz, 1988

England et al., 1997

91 - Ozark Sandstone Glade /

Prairie - not mapped

Johnsgard, 1990

Gilmer and Stewart, 1984

Bednarz, 1988

Schmutz, 1989

England et al., 1997

92 - Ozark Limestone Glade -

not mapped

Johnsgard, 1990

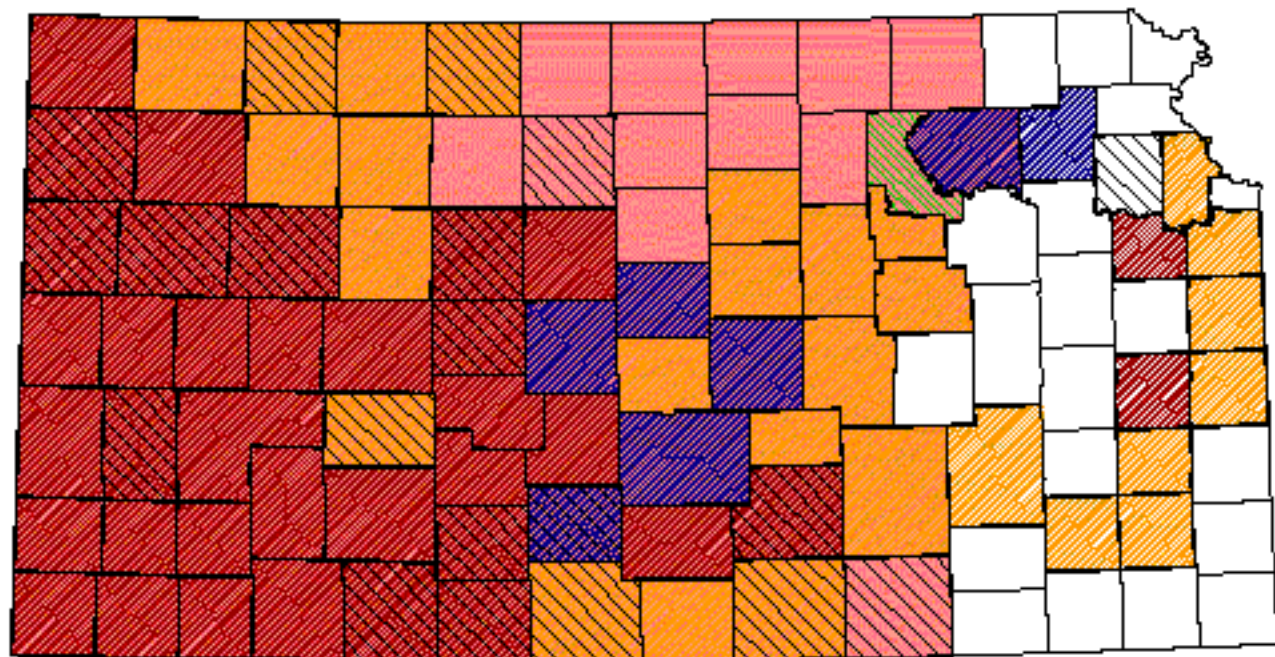
Gilmer and Stewart, 1984

Schmutz, 1989


Reference List

1. Barko, V. A. 1994. Effect of the Black-tailed Prairie Dog on avifaunal composition in southern shortgrass prairie. Thesis, Northeast Louisiana University, Monroe, Louisiana, USA.
2. Base, D. L. and G. A. Sievert. 1987. Experimental use of artificial nesting structures for grassland raptors in the Oklahoma Panhandle. *Eyas* 10(1):30-31.
3. Bechard, M. J. 1982. Effect of vegetative cover on foraging site selection by Swainson's Hawk. *Condor* 84:153-159.
4. Bechard, M. J., R. L. Knight, D. G. Smith, and R. E. Fitzner. 1990. Nest sites and habitats of sympatric hawks (*Buteo* spp.) in Washington. *Journal of Field Ornithology* 61(2):159-170.
5. Bednarz, J. C. 1988. Swainson's Hawk. Pages 87-96 in R. L. Glinski, B. G. Pendleton, M. B. Moss, M. N. LeFranc, Jr., B. A. Milsap, and S. W. Hoffman, editors. *Proceedings of the Southwest Raptor Management Symposium and Workshop*. National Wildlife Federation, Washington, D.C., USA.
6. Berry, M. E., C. E. Bock, and S. L. Haire. 1998. Abundance of diurnal raptors on open space grasslands in an urbanized landscape. *Condor* 100(4):601-608.
7. England, A. S., M. J. Bechard, and C. S. Houston. 1997. Swainson's Hawk. A. Poole and F. Gill, editors. *The Birds of North America*. No. 265. The American Ornithologists' Union and The Academy of Natural Sciences, Philadelphia, Pennsylvania, USA.
8. Gilmer, D. S. and R. E. Stewart. 1984. Swainson's Hawk nesting ecology in North Dakota. *Condor* 86:12-18.
9. James, P. C. 1992. Urban-nesting of Swainson's Hawks in Saskatchewan. *Condor* 94:773-774.
10. Johnsgard, P. A. 1990. *Hawks, Eagles & Falcons of North America*. Smithsonian Institution Press, Washington, D.C., USA.
11. Leslie, D. G. 1992. Population status, habitat and nest-site characteristics of a raptor community in eastern Colorado. Thesis, Colorado State University, Fort Collins, Colorado, USA.
12. Mathisen, J. and A. Mathisen. 1959. Population dynamics of diurnal birds of prey in the Panhandle of Nebraska. *Nebraska Bird Review* 27(1):2-5,12-16.
13. Olendorff, R. R. 1972. The large birds of prey of the Pawnee National Grassland: Nesting habitats and productivity, 1969-1971. *Grassland Biome: U.S. International Biological Program*. Technical Report no. 151. Fort Collins, Colorado, USA.
14. Olendorff, R. R. 1973. The ecology of the nesting birds of prey of northeastern Colorado. *Grassland Biome: U.S. International Biological Program*. Technical Report No. 211. Fort Collins, Colorado, USA.
15. Phillips, R. L. and A. E. Beske. 1990. Distribution and abundance of Golden Eagles and other raptors in Campbell and Converse Counties, Wyoming. *Fish and Wildlife Technical Report 27*. United States Fish and Wildlife Service, Washington, D.C., USA.
16. Schmutz, J. K. 1989. Hawk occupancy of disturbed grasslands in relation to models of habitat selection. *Condor* 91:362-371.
17. Schmutz, J. K., S. M. Schmutz, and D. A. Boag. 1980. Coexistence of three species of hawks (*Buteo* spp.) in the prairie-parkland ecotone. *Canadian Journal of Zoology* 58:1075-1089.
18. Schmutz, J. K. 1984a. Artificial nests for Ferruginous and Swainson's Hawks. *Journal of Wildlife Management* 48(3):1009-1013.
19. _____. 1984b. Ferruginous and Swainson's Hawk abundance and distribution in relation to land use in southeastern Alberta. *Journal of Wildlife Management* 48(4):1180-1187.
20. Woffinden, N. D. and J. A. Mosher. 1979. Ground nesting and aggressive behavior by the Swainson's Hawk (*Buteo swainsoni*). *Great Basin Naturalist* 39(3):253-254.


Swainson's Hawk





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.

Swainson's Hawk

