

Habitat Model for Species: Lesser Prairie-chicken

Alpha Code: LPCH Status: Resident

[Distribution Map](#)

[Habitat Map](#)

Landcover Category

0 - Comments

[KS GAP] CRP and cultivated land (41,44) within 990 m (1km) of selected shrubland and prairies (12,18,22,25).

Jensen et al., In Press

Crawford and Stormer, 1980
Crawford, 1980

Cannon and Knopf, 1981

Giesen, 1994b

Giesen, 1994a

Baker, 1953

[Reviewer]

Habitat Restrictions

Comments

Range map is from KDWP reports. Population trend data.

Bibliography

Sand sagebrush and tall grasses like sand bluestem constitute the critical component of lesser prairie chicken habitat.

Variability in residual cover in sand sagebrush was correlated to density of displaying males, suggesting that intermediate values for residual cover may represent an interspersed pattern that LPCH prefer. Mean distance from nearest lek was 1.04 km +/- 0.6 km, range 0.2-2.5 km.

Shortgrass rangelands dominated by buffalograss and blue grama or croplands limit range expansion from core populations in Colorado.

Found in 14 southwestern counties and confined to the sandy lands that lie south of the Arkansas and Cimarron rivers.

Applegate: confirmed breeding in Wallace, Logan, Gove, Trego, and Ellis Counties.

12 - Sandsage Shrubland

Crawford and Stormer, 1980
Crawford, 1980
Jones, 1963
Cannon and Knopf, 1981
Giesen, 1994b
Cannon et al., 1982
Giesen, 1994a
Taylor and Guthery, 1980
Giesen, 1998
Cable et al., 1996

13 - Saltbush - Grama Shrubland - not mapped

Jones, 1963
Giesen, 1998

18 - Sand Prairie

Crawford, 1980
Taylor and Guthery, 1980

22 - Mixed Prairie

Leslie et al., 1999
Giesen, 1998

with shrub component

25 - Shortgrass Prairie

Jones, 1963
Giesen, 1998

near shrub alliances

41 - CRP

Leslie et al., 1999 Map within 1 km of native habitats (Giesen 1994)

Rodgers, 2000

leks located in mosaics of native prairie, ag fields, and CRP.

areas with significant amounts of CRP

44 - Cultivated Land

Leslie et al., 1999 Map within 1 km of native habitats (Giesen 1994)

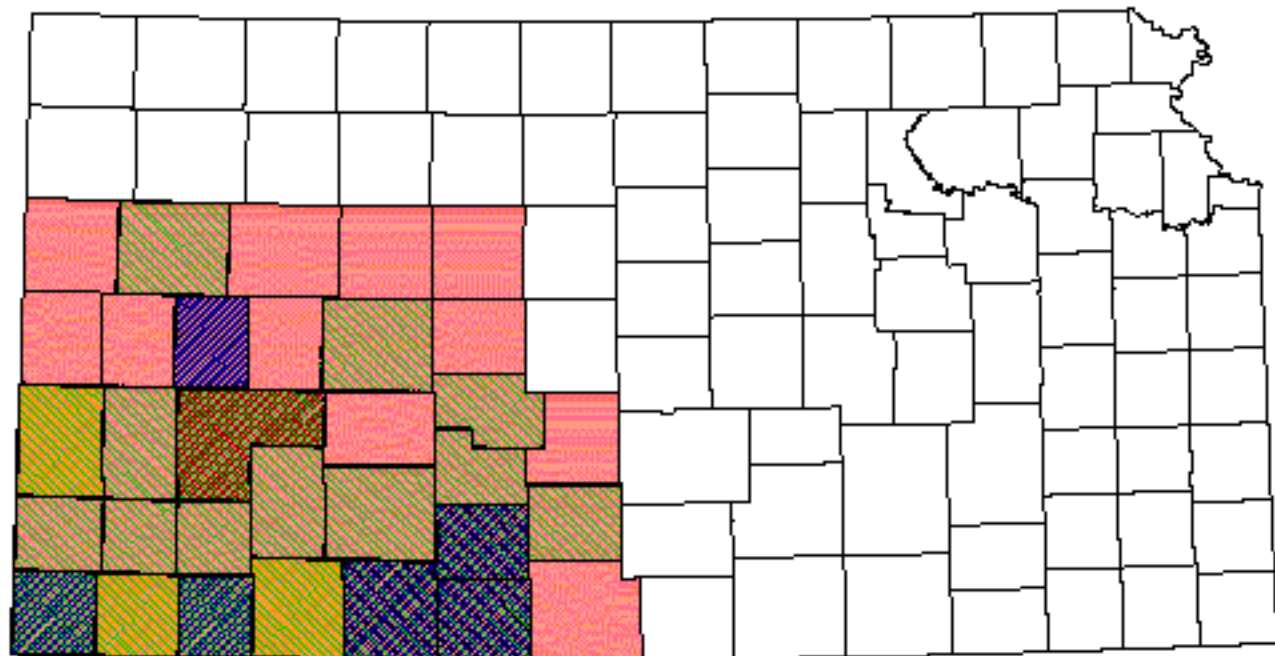
leks located in mosaics of native prairie, ag fields, and CRP.

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Lesser Prairie-chicken





Kansas Breeding Bird Atlas


 Confirmed Breeding

 Probable Breeding

 Possible Breeding

 Breeding Bird Survey

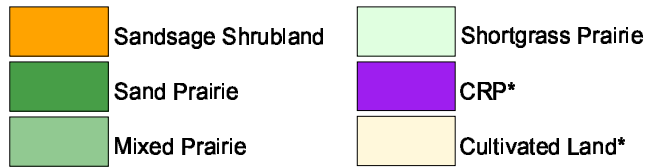
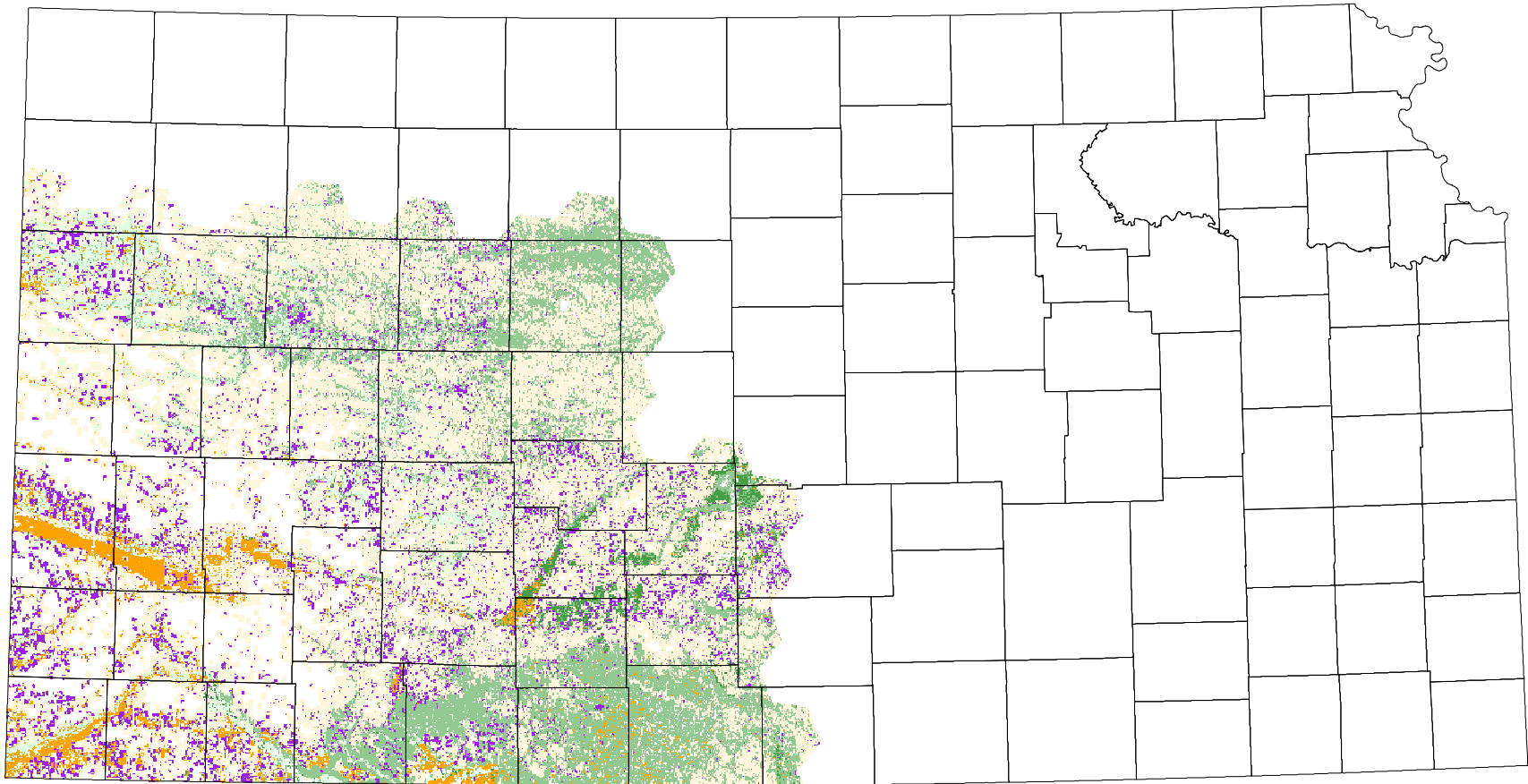
 *Birds of Kansas,*
Horned Lark

 Range from KDWP
(Jensen in press)

Habitat

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

Lesser Prairie-chicken



* within 1 km of other mapped habitats