

# Habitat Model for Species: Sharp-tailed Grouse

Alpha Code: STGR Status: Reintroduced

[Distribution Map](#)

[Habitat Map](#)

## Landcover Category

### **0 - Comments**

[KS GAP]

Habitat Restrictions  
530 ha minimum habitat area; 30 m of selected forests and woodlands (5,11,55) of selected shrublands and grasslands (12,17,18,20,22,25,40,41); Cultivated land (44) within 60 m of all selected habitats.

### Comments

assume grasslands have scattered shrubs or shrubby draws for winter cover.

Sample and Mossman, 1997 Needs large expanses of open habitat, optimally in blocks >250 acres.

Prose, 1987 Minimum area required for grouse is assumed to be 530 ha. Winter cover : ag land within 750 m of shrubby cover types (assume shrubs within grasslands) and 50 m of field edges. Distance between nesting and winter cover < 6.0 km.

### **05 - Ash-Elm-Hackberry**

#### **Floodplain Forest**

[KS GAP]

Map 30 m edge to selected grasslands/shrublands.

Swenson, 1985

draws

### **11 - Cottonwood Floodplain**

#### **Woodland**

[KS GAP]

Map 30 m edge to selected grasslands/shrublands.

Prose, 1987

Johnsgard, 1973

Rising, 1974

Located adjacent to grasslands.

### **12 - Sandsage Shrubland**

Prose, 1992

Kohn, 1976

Gratson et al., 1990

Twedt, 1974

Griebel et al., 1998

Kantrud and Higgins, 1992

Stewart, 1975

Giesen and Connelly, 1993

Marks and Marks, 1988

Saab and Marks, 1992

Connelly et al., 1998

Prose, 1987

Johnsgard, 1973

Rising, 1974

Nests located in sites with shrubs.

### **13 - Saltbush - Grama**

#### **Shrubland - not mapped**

Kohn, 1976

Gratson et al., 1990

Twedt, 1974

Kantrud and Higgins, 1992

Stewart, 1975

Giesen and Connelly, 1993

Prose, 1987

Johnsgard, 1973

Rising, 1974

Nests located in sites with shrubs.

### **17 - Tallgrass Prairie**

Prose, 1992

Twedt, 1974

Kantrud and Higgins, 1992

Connelly et al., 1998

Rising, 1974

## **18 - Sand Prairie**

Sisson, 1976  
Twedt, 1974  
Griebel et al., 1998  
Sample and Mossman, 1997  
Connelly et al., 1998

## **20 - Western Wheatgrass**

Kohn, 1976  
Ulliman, 1995  
Twedt, 1974  
Stewart, 1975

Swenson, 1985  
Connelly et al., 1998  
Prose, 1987

## **22 - Mixed Prairie**

Sisson, 1976  
Kohn, 1976  
Miller and Graul, 1980  
Twedt, 1974  
Kantrud and Higgins, 1992  
Stewart, 1975

Moyles, 1981  
Connelly et al., 1998  
Prose, 1987

## **25 - Shortgrass Prairie**

Kohn, 1976  
Sample and Mossman, 1997  
Moyles, 1981  
Rodgers, 1992

## **36 - Cottonwood Savanna - not mapped**

Prose, 1987  
Rising, 1974

## **37 - Winterfat - Blue Grama Prairie - not mapped**

Kohn, 1976  
Gratson et al., 1990  
Kantrud and Higgins, 1992  
Stewart, 1975

Sample and Mossman, 1997  
Prose, 1987  
Johnsgard, 1973

## **40 - Non-native Grassland**

Kohn, 1976  
Ulliman, 1995  
Kantrud and Higgins, 1992  
Stewart, 1975

Prose, 1987

Contain scattered patches of small trees and shrubs located near margins of woodlands.

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Brood cover includes grasslands with shrubs and

pasture  
idle grassland, pasture  
Contain scattered patches of small trees and shrubs located near margins of woodlands.

## **41 - CRP**

Prose, 1992  
Kohn, 1976  
Ulliman, 1995  
Miller and Graul, 1980  
Twedt, 1974  
Johnson and Schwartz, 1993  
Griebel et al., 1998  
Stewart, 1975

Contain scattered patches of small trees and shrubs located near margins of woodlands.

Giesen and Connelly, 1993  
Saab and Marks, 1992  
Connelly et al., 1998  
Johnsgard, 1973

Brood cover includes grasslands with shrubs and

## **44 - Cultivated Land**

[KS GAP] Within 60 m of selected grasslands, shrublands, or wooded  
Kohn, 1976  
Gratson et al., 1990  
Kantrud and Higgins, 1992  
Stewart, 1975  
Connelly et al., 1998  
Prose, 1987  
Johnsgard, 1973  
Rising, 1974

sweetclover, alfalfa, wheat, common barley  
grain farms, buckwheat, corn, rye  
alfalfa  
occasionally uses forage crops.  
alfalfa, wheat stubble  
within 750 m of shrubby cover for winter use.  
Grains used as winter food.

## **55 - Deciduous Woodland**

[KS GAP] Map 30 m edge to selected grasslands/shrublands.  
Connelly et al., 1998

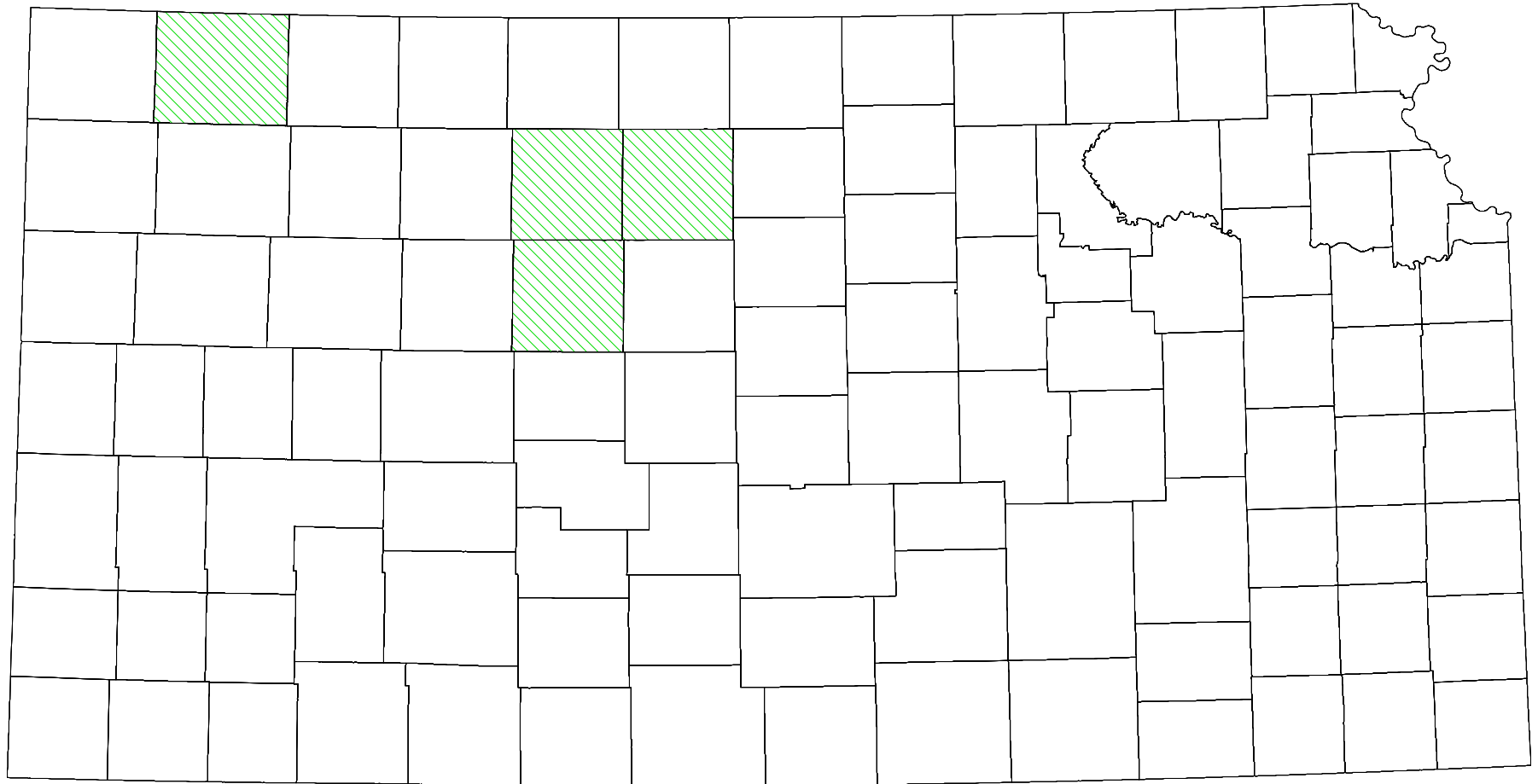
Infer use of this habitat for winter cover.

### Reference List

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# Sharp-tailed Grouse




## Kansas Breeding Bird Atlas

 **Confirmed Breeding**

 **Probable Breeding**

 **Possible Breeding**

 **Breeding Bird Survey**

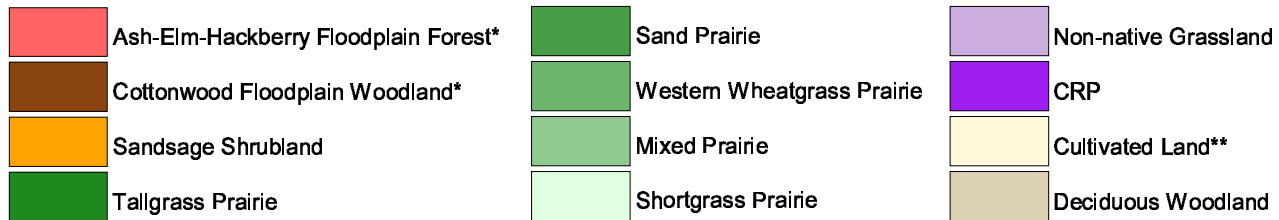
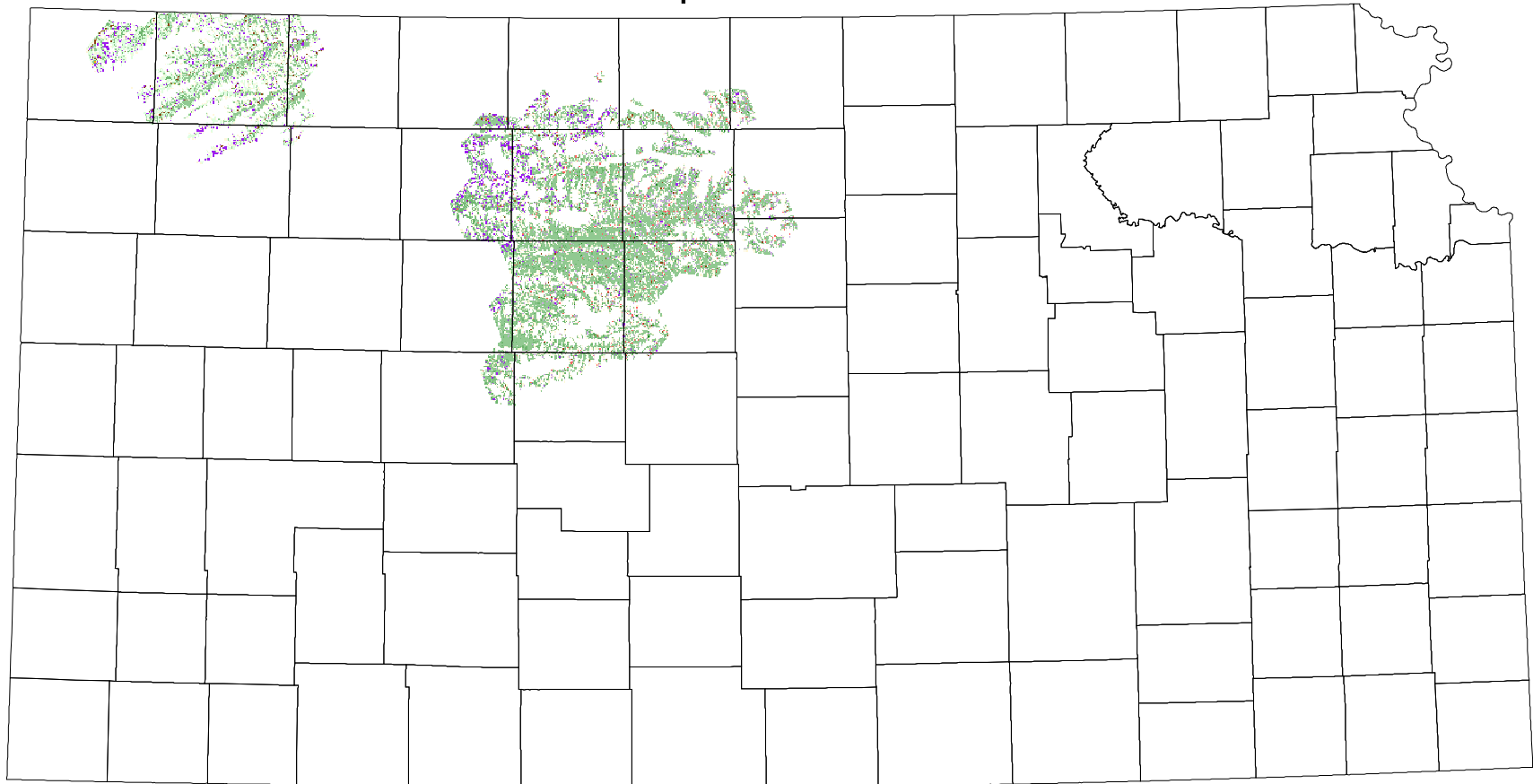
 *Birds of Kansas,  
Horned Lark*

 **Range from Johnsgard, 1998  
*The Birds of Nebraska***

Habitat

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

# Sharp-tailed Grouse



\* 30 m edge next to mapped grasslands or shrublands  
 \*\* within 60 m of mapped habitats  
 Minimum habitat area = 530 ha