

Habitat Model for Species: **Western Chorus Frog**

Pseudacris triseriata triseriata

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

Landcover Category

0 - Comments

Trowbridge, 1937
Fitch, 1956
Taggart, 1992

Taggart, 1997
Fitch, 1958

Van Doren and Schmidt, 2000

Rundquist and Collins, 1977

[#KS GAP]
[#KS GAP 1]

[#Reviewer1]

[#Reviewer2]

Habitat Restrictions

Comments

Study in OK. Found under a log.

Study in Trego Co., KS. Found under pile of tumbleweeds below the dam of a small pond.

Study in Douglas Co., KS. Thought that frogs spent a lot of time underground probably in the burrows of small mammals. Also found under rocks.

Study in Pawnee Co., KS. "emerged during or after rains, and was heard chorusing at the prairie dog site in early spring."

Study in Cherokee Co., Kansas. Species abundant in lowland areas. Term "lowland" too vague.

May be found in some agricultural fields (see Platt review). This model is the same as Boreal Chorus Frog. Collins 1993: I have not attempted to distinguish between these two species in Kansas, due to a lack of sufficient information about their habits, ranges, and areas of

Platt: This species can be found in any open woodland or grassland area with water in my experience. For breeding they almost always select small temporary ponds and pools. I have often heard them calling from temporarily flooded fields and roadsides.

Fitch reservation: has almost disappeared as forest has invaded formerly open areas. It seems to me that the preferred habitat is on abused land where there is not much growing and the frogs live in soil cracks. They migrate to temporary water to breed.

04 - Pecan Floodplain Forest

Brumwell, 1951

Study in Ft. Leavenworth, KS. Selected based on "temporarily flooded" and "woodland", "forest", or "herbaceous" in Habitat. Species abundant in small ponds near streams and woods. Prefers temporary pools.

05 - Ash-Elm-Hackberry Floodplain Forest

Lannoo et al., 1994

Study in Dickinson County, Iowa. Selection of alliances based on Soil (glacial, poorly drained) and Habitat (pothole, temporary wetland) terms, when habitat occurred in both Iowa and Kansas.

Brumwell, 1951

Study in Ft. Leavenworth, KS. Selected based on "temporarily flooded" and "woodland", "forest", or "herbaceous" in Habitat. Species abundant in small ponds near streams and woods. Prefers temporary pools.

06 - Cottonwood Floodplain Forest

Lannoo et al., 1994

Study in Dickinson County, Iowa. Selection of alliances based on Soil (glacial, poorly drained) and Habitat (pothole, temporary wetland) terms, when habitat occurred in both Iowa and Kansas.

Clarke, 1958

Osage Co., KS. A "semi-aquatic" species. Terms from description of communities along watercourses. Selected based on "Populus" or "Salix" in Dom. Veg. and "Carex" and "Polygonum" in Other Veg. and occurrence of selected habitats in the study area.

Brumwell, 1951

Study in Ft. Leavenworth, KS. Selected based on "temporarily flooded" and "woodland", "forest", or "herbaceous" in Habitat. Species abundant in small ponds near streams and woods. Prefers temporary pools.

08 - Bur Oak Floodplain Woodland

Bragg, 1943

Study in OK. Selected based on "woodland" or "short-grass prairie" in the habitat section and presence of selected habitat in species' range in KS.

09 - Mixed Oak Ravine Woodland

Bragg, 1943

Study in OK. Selected based on "woodland" or "short-grass prairie" in the habitat section and presence of selected habitat in species' range in KS.

11 - Cottonwood Floodplain Woodland

Clarke, 1958

Osage Co., KS. A "semi-aquatic" species. Terms from description of communities along watercourses. Selected based on "Populus" or "Salix" in Dom. Veg. and "Carex" and "Polygonum" in Other Veg. and occurrence of selected habitats in the study area.

Burt, 1935

Study in AR, IA, LS, NE, OK, and SD. Occurred in both wooded and prairie about various bodies of water. Selected based on "wooded" or "prairie" in the Habitat section. A water body or floodplain had to also be in habitat description to be selected.

Bragg, 1943

Study in OK. Selected based on "woodland" or "short-grass prairie" in the habitat section and presence of selected habitat in species' range in KS.

Brumwell, 1951

Study in Ft. Leavenworth, KS. Selected based on "temporarily flooded" and "woodland", "forest", or "herbaceous" in Habitat. Species abundant in small ponds near streams and woods. Prefers temporary pools.

Busby and Parmelee, 1996 edge

12 - Sandsage Shrubland

[#Reviewer]

Rundquist: add

14 - Willow Shrubland

Taggart, 1997

Burt, 1935

Study in AR, IA, LS, NE, OK, and SD. Occurred in both wooded and prairie about various bodies of water. Selected based on "wooded" or "prairie" in the Habitat section. A water body or floodplain had to also be in habitat description to be selected.

Brumwell, 1951

Study in Ft. Leavenworth, KS. Selected based on "temporarily flooded" and "woodland", "forest", or "herbaceous" in Habitat. Species abundant in small ponds near streams and woods. Prefers temporary pools.

17 - Tallgrass Prairie

Fitch, 1956

Study in Douglas Co., KS. Several heard calling at grassy or open fields. Based on "grassland" in the habitat section and presence of habitat in study area.

Burt, 1935

Study in AR, IA, LS, NE, OK, and SD. Occurred in both wooded and prairie about various bodies of water. Selected based on "wooded" or "prairie" in the Habitat section. A water body or floodplain had to also be in habitat description to be selected.

Fitch, 1958

Study in Douglas Co., KS. Grassland preferred habitat. Selected based on "grassland" in the Habitat category and presence of selected habitat in study area.

Van Doren and Schmidt, 2000

Study in Pawnee Co., KS. Habitat selected base on term "prairie" in the habitat section and presence of the selected habitat in the study area.

Busby and Parmelee, 1996

[#KS GAP]

Riley and Geary Co.'s, KS. Heard calling from hillsides (Gerlanc) and found in artificial small mammal burrows (Rehmeier). Selected based on "tallgrass prairie" in habitat and presence of selected habitat in study area.

18 - Sand Prairie

Bragg, 1943

Van Doren and Schmidt, 2000

Study in OK. Selected based on "woodland" or "short-grass prairie" in the habitat section and presence of selected habitat in species' range in KS.

Study in Pawnee Co., KS. Habitat selected base on term "prairie" in the habitat section and presence of the selected habitat in the study area.

19 - Sandstone Prairie - not mapped

Fitch, 1956

Fitch, 1958

Study in Douglas Co., KS. Several heard calling at grassy or open fields. Based on "grassland" in the habitat section and presence of habitat in study area.

Study in Douglas Co., KS. Grassland preferred habitat. Selected based on "grassland" in the Habitat category and presence of selected habitat in study area.

20 - Western Wheatgrass Prairie

Burt, 1935

Study in AR, IA, LS, NE, OK, and SD. Occurred in both wooded and prairie about various bodies of water. Selected based on "wooded" or "prairie" in the Habitat section. A water body or floodplain had to also be in habitat description to be selected.

22 - Mixed Prairie

Fitch, 1956

Fitch, 1958

Van Doren and Schmidt, 2000

Study in Douglas Co., KS. Several heard calling at grassy or open fields. Based on "grassland" in the habitat section and presence of habitat in study area.

Study in Douglas Co., KS. Grassland preferred habitat. Selected based on "grassland" in the Habitat category and presence of selected habitat in study area.

Study in Pawnee Co., KS. Habitat selected base on term "prairie" in the habitat section and presence of the selected habitat in the study area.

25 - Shortgrass Prairie

Bragg, 1943

Study in OK. Selected based on "woodland" or "short-grass prairie" in the habitat section and presence of selected habitat in species' range in KS.

26 - Grass Playa Lake

Gloyd, 1928

Clarke et al., 1958

Brumwell, 1951

Study in Franklin Co., KS. Large numbers calling in every pond, creek, and marsh in area. Selected based on "marsh" in habitat category and presence in species

Study in Lyon Co., Kansas Selection based on "temporarily flooded herbaceous" in Habitat section. Found in temporary grassy pools and ditches.

Study in Ft. Leavenworth, KS. Selected based on "temporarily flooded" and "woodland", "forest", or "herbaceous" in Habitat. Species abundant in small ponds near streams and woods. Prefers temporary pools.

27 - Salt Marsh/Prairie

Gloyd, 1928

Clarke et al., 1958

Brumwell, 1951

Study in Franklin Co., KS. Large numbers calling in every pond, creek, and marsh in area. Selected based on "marsh" in habitat category and presence in species

Study in Lyon Co., Kansas Selection based on "temporarily flooded herbaceous" in Habitat section. Found in temporary grassy pools and ditches.

Study in Ft. Leavenworth, KS. Selected based on "temporarily flooded" and "woodland", "forest", or "herbaceous" in Habitat. Species abundant in small ponds near streams and woods. Prefers temporary pools.

28 - Spikerush Playa Lake

Gloyd, 1928

Clarke et al., 1958

Study in Franklin Co., KS. Large numbers calling in every pond, creek, and marsh in area. Selected based on "marsh" in habitat category and presence in species
Study in Lyon Co., Kansas Selection based on "temporarily flooded herbaceous" in Habitat section. Found in temporary grassy pools and ditches.

29 - Playa Lake

Gloyd, 1928

Clarke et al., 1958

Taggart, 1997
Brumwell, 1951

Study in Franklin Co., KS. Large numbers calling in every pond, creek, and marsh in area. Selected based on "marsh" in habitat category and presence in species
Study in Lyon Co., Kansas Selection based on "temporarily flooded herbaceous" in Habitat section. Found in temporary grassy pools and ditches.

Study in Ft. Leavenworth, KS. Selected based on "temporarily flooded" and "woodland", "forest", or "herbaceous" in Habitat. Species abundant in small ponds near streams and woods. Prefers temporary pools.

30 - Low or Wet Prairie

Gloyd, 1928

Clarke et al., 1958

Gloyd, 1932

Linsdale, 1927

Brumwell, 1951

Study in Franklin Co., KS. Large numbers calling in every pond, creek, and marsh in area. Selected based on "marsh" in habitat category and presence in species
Study in Lyon Co., Kansas Selection based on "temporarily flooded herbaceous" in Habitat section. Found in temporary grassy pools and ditches.

Study in Miami Co., KS. Collected in marshy spots. Selected based on "marsh" in the Habitat category and presence of selected habitat in study area.

Study in Doniphan Co., KS. Found in a marshy place below a spring. Selected based on "Marsh" in the Habitat section, presence in the species' range, and in the study

Study in Ft. Leavenworth, KS. Selected based on "temporarily flooded" and "woodland", "forest", or "herbaceous" in Habitat. Species abundant in small ponds near streams and woods. Prefers temporary pools.

31 - Freshwater Marsh

Gloyd, 1928

Gloyd, 1932

Linsdale, 1927

[#Reviewer]

Study in Franklin Co., KS. Large numbers calling in every pond, creek, and marsh in area. Selected based on "marsh" in habitat category and presence in species
Study in Miami Co., KS. Collected in marshy spots. Selected based on "marsh" in the Habitat category and presence of selected habitat in study area.

Study in Doniphan Co., KS. Found in a marshy place below a spring. Selected based on "Marsh" in the Habitat section, presence in the species' range, and in the study

Distler: common on the Sedgwick Field Station in temporary marshes in CRP and native, weedy, mixed grass and tallgrass prairies (31, 41, 60, 70, and 71).

32 - Bulrush Marsh

Gloyd, 1928

Gloyd, 1932

Linsdale, 1927

Study in Franklin Co., KS. Large numbers calling in every pond, creek, and marsh in area. Selected based on "marsh" in habitat category and presence in species
Study in Miami Co., KS. Collected in marshy spots. Selected based on "marsh" in the Habitat category and presence of selected habitat in study area.

Study in Doniphan Co., KS. Found in a marshy place below a spring. Selected based on "Marsh" in the Habitat section, presence in the species' range, and in the study

33 - Cattail Marsh

Gloyd, 1928

Lannoo et al., 1994

Gloyd, 1932

Linsdale, 1927

Study in Franklin Co., KS. Large numbers calling in every pond, creek, and marsh in area. Selected based on "marsh" in habitat category and presence in species

Study in Dickinson County, Iowa. Selection of alliances based on Soil (glacial, poorly drained) and Habitat (pothole, temporary wetland) terms, when habitat occurred in both Iowa and Kansas.

Study in Miami Co., KS. Collected in marshy spots. Selected based on "marsh" in the Habitat category and presence of selected habitat in study area.

Study in Doniphan Co., KS. Found in a marshy place below a spring. Selected based on "Marsh" in the Habitat section, presence in the species' range, and in the study

36 - Cottonwood Savanna - not mapped

Burt, 1935

Bragg, 1943

Study in AR, IA, LS, NE, OK, and SD. Occurred in both wooded and prairie about various bodies of water.

Selected based on "wooded" or "prairie" in the Habitat section. A water body or floodplain had to also be in habitat description to be selected.

Study in OK. Selected based on "woodland" or "short-grass prairie" in the habitat section and presence of selected habitat in species' range in KS.

38 - Forb Playa Lake

Gloyd, 1928

Study in Franklin Co., KS. Large numbers calling in every pond, creek, and marsh in area. Selected based on "marsh" in habitat category and presence in species

39 - Pondweed Aquatic Wetland - not mapped

Gloyd, 1928

Study in Franklin Co., KS. Large numbers calling in every pond, creek, and marsh in area. Selected based on "marsh" in habitat category and presence in species

40 - Non-native Grassland

Fitch, 1956

Study in Douglas Co., KS. Several heard calling at grassy or open fields. Based on "field" or "pasture" in the habitat section and presence of habitat in study area.

41 - CRP

[#Reviewer]

Distler: common on the Sedgwick Field Station in temporary marshes in CRP and native, weedy, mixed grass and tallgrass prairies (31, 41, 60, 70, and 71).

51 - Maple Floodplain Forest

Brumwell, 1951

Study in Ft. Leavenworth, KS. Selected based on "temporarily flooded" and "woodland", "forest", or "herbaceous" in Habitat. Species abundant in small ponds near streams and woods. Prefers temporary pools.

55 - Deciduous Woodland

Bragg, 1943

Study in OK. Selected based on "woodland" or "short-grass prairie" in the habitat section and presence of selected habitat in species' range in KS.

60 - Mixed Prairie-Disturbed Land

Van Doren and Schmidt, 2000

[#Reviewer]

Study in Pawnee Co., KS. Habitat selected base on term "prairie" in the habitat section and presence of the selected habitat in the study area.

Distler: common on the Sedgwick Field Station in temporary marshes in CRP and native, weedy, mixed grass and tallgrass prairies (31, 41, 60, 70, and 71).

70 - Weedy Marsh

Gloyd, 1928

Brumwell, 1951

[#Reviewer]

Study in Franklin Co., KS. Large numbers calling in every pond, creek, and marsh in area. Selected based on "marsh" in habitat category and presence in species

Study in Ft. Leavenworth, KS. Selected based on "temporarily flooded" and "woodland", "forest", or "herbaceous" in Habitat. Species abundant in small ponds near streams and woods. Prefers temporary pools.

Distler: common on the Sedgwick Field Station in temporary marshes in CRP and native, weedy, mixed grass and tallgrass prairies (31, 41, 60, 70, and 71).

71 - Weedy Upland

[#Reviewer]

Distler: common on the Sedgwick Field Station in temporary marshes in CRP and native, weedy, mixed grass and tallgrass prairies (31, 41, 60, 70, and 71).

82 - Water (Lake)

Gloyd, 1928

Lannoo et al., 1994

Fitch, 1956

Brumwell, 1951

Heinrich and Kaufman, 1985

Gerlanc, 1999

Study in Franklin Co., KS. Large numbers calling in every pond, creek, and marsh in area.

Study in Dickinson County, Iowa. Selection of alliances based on Soil (glacial, poorly drained) and Habitat (pothole, temporary wetland) terms, when habitat occurred in both Iowa and Kansas.

Study in Douglas Co., KS. Found calling in a shallow Will call at, but prefers temporary aquatic habitats. Study on Konza Prairie, in Riley and Gary Counties, KS. Frog abundant in ponds and slow moving streams.

Study in Riley and Geary Co.'s, KS. Found calling and breeding in intermittent streams, bison wallows, and semi-permanent, fishless ponds located within pristine tallgrass prairie. All breeding sites were well vegetated.

[#KS GAP]

Map 30 m edge.

82 - Water (River)

Gloyd, 1928

Clarke et al., 1958

Fitch, 1956

Heinrich and Kaufman, 1985

Gerlanc, 1999

Study in Franklin Co., KS. Large numbers calling in every pond, creek, and marsh in area.

Study in Lyon Co., Kansas Selection based on Habitat level description. Found in temporary grassy pools and Study in Douglas Co., KS. Found calling along seepage pools of a creek bed.

Study on Konza Prairie, in Riley and Gary Counties, KS. Frog abundant in ponds and slow moving streams.

Study in Riley and Geary Co.'s, KS. Found calling and breeding in intermittent streams, bison wallows, and semi-permanent, fishless ponds located within pristine tallgrass prairie. All breeding sites were well vegetated.

[#KS GAP]

Map 30 m edge.

91 - Ozark Sandstone Glade / Prairie - not mapped

Fitch, 1956

Fitch, 1958

Study in Douglas Co., KS. Several heard calling at grassy or open fields. Based on "grassland" in the habitat section and presence of habitat in study area.

Study in Douglas Co., KS. Grassland preferred habitat. Selected based on "grassland" in the Habitat category and presence of selected habitat in study area.

92 - Ozark Limestone Glade - not mapped

Fitch, 1956

Fitch, 1958

Study in Douglas Co., KS. Several heard calling at grassy or open fields. Based on "grassland" in the habitat section and presence of habitat in study area.

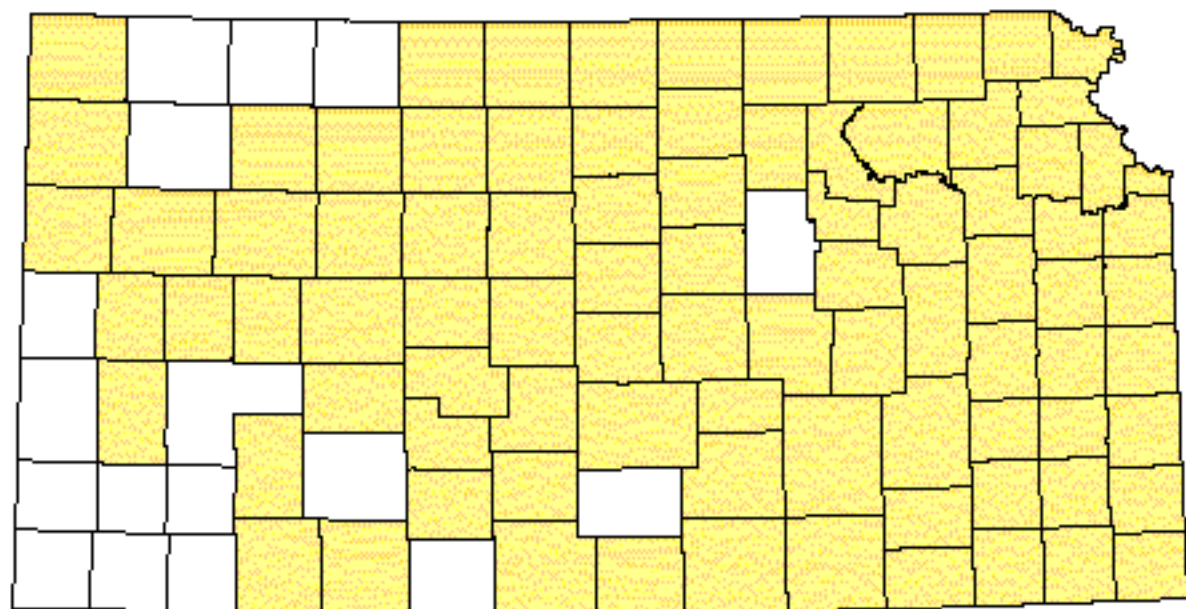
Study in Douglas Co., KS. Grassland preferred habitat. Selected based on "grassland" in the Habitat category and presence of selected habitat in study area.


Reference List

1. Bragg, A. N. 1943. Observations on the ecology and natural history of anura XV. The hylids and microhylids in Oklahoma. Great Basin Naturalist 4(3/4):62-80.

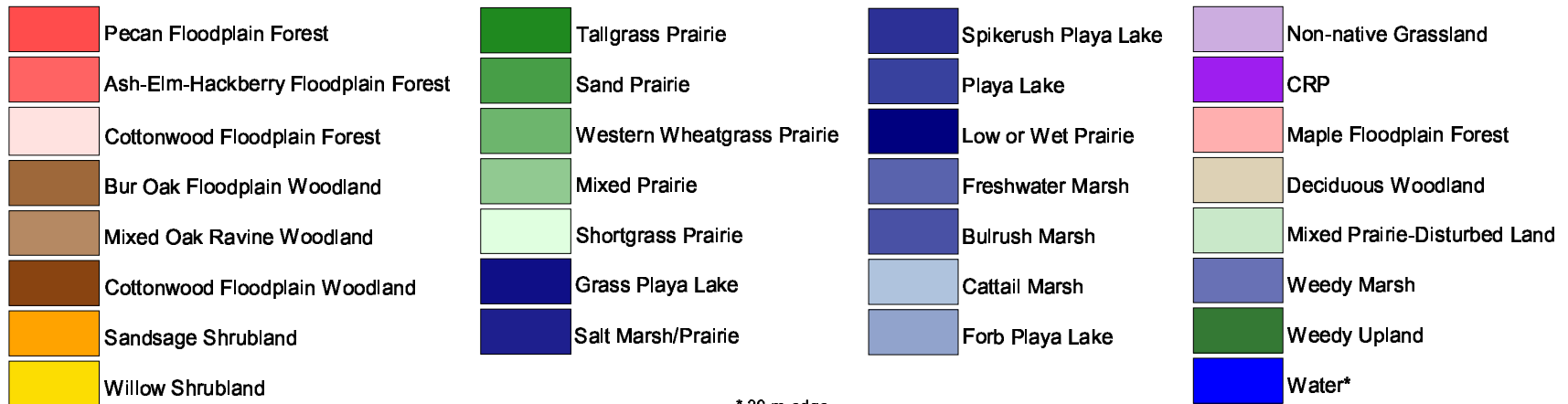
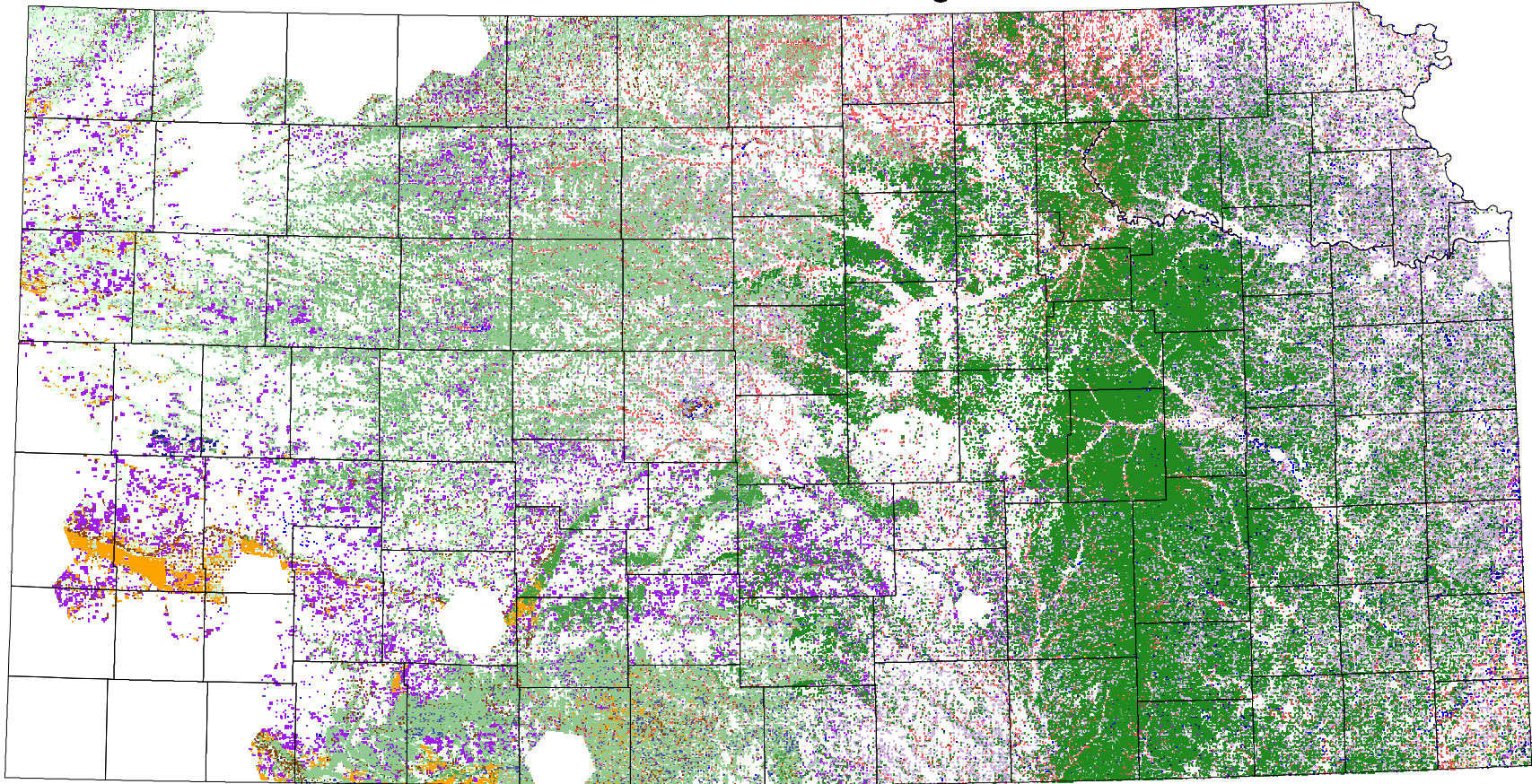
2. Brumwell, M. J. 1951. An ecological survey of the Fort Leavenworth Military Reservation. *American Midland Naturalist* 45(1):187-231.
3. Burt, C. E. 1935. Further records of the ecology and distribution of amphibians and reptiles in the middle west. *American Midland Naturalist* 16(3):311-366.
4. Busby, W. H. and J. R. Parmelee. 1996. Historical changes in a herpetofaunal assemblage in the Flint Hills of Kansas. *American Midland Naturalist* 135(1):81-91.
5. Clarke, R. F. 1958. An ecological study of reptiles and amphibians on Osage County, Kansas. *Emporia State Research Studies* 7(1):5-52.
6. Clarke, R. F., J. Breukelman, and T. F. Andrews. 1958. An annotated check list of the vertebrates of Lyon County, Kansas. *Transactions of the Kansas Academy of Science* 61(2):165-195.
7. Fitch, H. S. 1958. Home ranges, territories, and seasonal movements of vertebrates of the Natural History Reservation. *University of Kansas Publications, Museum of Natural History* 11(3):63-326.
8. Fitch, H. S. 1956. Temperature responses in free-living amphibians and reptiles of Northeastern Kansas. *University of Kansas Publications, Museum of Natural History* 8(7):417-476.
9. Gerlanc, N. M. 1999. Effects of breeding pool permanence on growth and development of western chorus frogs, *Pseudacris triseriata*, in tallgrass prairie. *Kansas State University, Manhattan, KS, USA*.
10. Gloyd, H. K. 1928. The amphibians and reptiles of Franklin County, Kansas. *Transactions of the Kansas Academy of Science* 31:115-141.
11. _____. 1932. The herpetological fauna of the Pigeon Lake Region, Miami County, Kansas. *Papers of the Michigan Academy of Science Arts and Letters* 15:389-408.
12. Heinrich, M. L. and D. W. Kaufman. 1985. Herpetofauna of the Konza Prairie Research Natural Area, Kansas. *Prairie Naturalist* 17(2):101-112.
13. Lannoo, M. J., K. Lang, T. Waltz, and G. S. Phillips. 1994. An altered amphibian assemblage: Dickinson County, Iowa, 70 years after Frank Blanchard's survey. *American Midland Naturalist* 131:311-319.
14. Linsdale, J. M. 1927. Amphibians and reptiles of Doniphan County, Kansas. *Copeia* 1927:75-81.
15. Rundquist, E. M. and J. T. Collins. 1977. The Amphibians of Cherokee County, Kansas. *Reports of the State Biological Survey of Kansas* 14:1-12.
16. Taggart, T. 1992. Observations on Kansas amphibians and reptiles. *Kansas Herpetological Society Newsletter* (88):13-15.
17. Taggart, T. W. 1997. Status of *Bufo debilis* (Anura: Bufonidae) in Kansas. *Kansas Herpetological Society Newsletter* (109):7-12.
18. Trowbridge, A. H. 1937. Ecological observations on amphibians and reptiles collected in southeastern Oklahoma during the summer of 1934. *American Midland Naturalist* 18(2):285-303.
19. Van Doren, M. D. and C. J. Schmidt. 2000. A herpetological survey of the Fort Larned National Historic Site, Pawnee County, Kansas. *Kansas Herpetological Society Newsletter* 120:8-11.

Western Chorus Frog



 Range from Collins, 1993

Western Chorus Frog



* 30 m edge