Habitat Model for Species: Bullfrog

Rana catesbeiana

Distribution Map
Habitat Map

Landcover Category

0 - Comments	Habitat Restrictions	Comments
Lannoo et al., 1994		Study in Dickinson County, IA. Selection of alliances based on Soil (glacial, poorly drained)) and Habitat (pothole, temporary wetland) terms, when habitat occurred in both IA and KS. Common along the margins of lakes and throughout the larger wetlands.
Marr, 1944		Study in TX, OK, KS, and NE. Frogs never observed very far from water.
[#KS GAP]	30 m edge of selected forests and woodlands (5,6,9,11,17) adjacent to semipermanet or permanet waters (32,33,38,82); Freshwater marsh and weedy marsh (31,70) adjacent to semipermanet or permanet waters (32,33,38,82).	
[#Reviewer]		Platt: In my experience this species if found near permanent water, either pond or stream. Has disappeared from Sand Creek near my home in recent years. Rundquist: water within Sandsage Prairie.

05 - Ash-Elm-Hackberry Floodplain Forest

Lannoo et al., 1994	adjacent to water	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.
Busby and Parmelee, 1996		
[#KS GAP]	Map 30 m edge adjacent to semipermanent and permanent waters (32, 33, 38, 39, and 82). Bullfrogs generally will be found closer than 30 m	

06 - Cottonwood Floodplain Forest

Lannoo et al., 1994	adjacent to water	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	adjacent to water	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.
[#KS GAP]	Map 30 m edge adjacent to semipermanent and permanent waters (32, 33, 38, 39, and 82). Bullfrogs generally will be found closer than 30 m	

09 - Mixed Oak Ravine Woodland

Busby and Parmelee, 1996	adjacent to water	
[#KS GAP]	Map 30 m edge adjacent to semipermanent and permanent waters (32, 33, 38, 39, and 82). Bullfrogs generally will be found closer than 30 m	

11 - Cottonwood Floodplain Woodland

Clarke, 1958	adjacent to water	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.
[#KS GAP]	Map 30 m edge adjacent to semipermanent and permanent waters (32, 33, 38, 39, and 82). Bullfrogs generally will be found closer than 30 m	
[#Reviewer]		Distler: Common on Sedgwick Field Station.

17 - Tallgrass Prairie

Busby and Parmelee, 1996	adjacent to water	
[#KS GAP]	Map 30 m edge adjacent to semipermanent and permanent waters (32, 33, 38, 39, and 82). Bullfrogs generally will be found closer than 30 m	

31 - Freshwater Marsh

[#KS GAP]	Map if adjacent to semipermanent or permanent waters (32, 33, 38, 39, and 82).	
[#Reviewer]		Distler: Common on Sedgwick Field Station.

32 - Bulrush Marsh

[#KS GAP]

33 - Cattail Marsh

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.
[#Reviewer]	Distler: Common on Sedgwick Field Station.

38 - Forb Playa Lake

Gloyd, 1932	Study in Pigeon Lake region of Miami Co., KS. Selected based on "marsh" in Habitat section. Only selected those habitats that were deep and permanently flooded.
Fitch, 1958	Study University of Kansas Natural History Reservation, Douglas Co., KS. Selected based on "marsh" in Habitat section. Only selected those marshes that were deep and permanently flooded.

39 - Pondweed Aquatic Wetland - not mapped

Gloyd, 1932	Study in Pigeon Lake region of Miami Co., KS. Selected based on "marsh" in Habitat section. Only selected those habitats that were deep and permanently flooded.
Wells, 1977	Specific location of studies not given. Selection of alliance based on Dominant Vegetation, Elodea spp.
Fitch, 1958	Study University of Kansas Natural History Reservation, Douglas Co., KS. Selected based on "marsh" in Habitat section. Only selected those marshes that were deep and permanently flooded.

70 - Weedy Marsh

[#Reviewer]	Map if adjacent to semipermanent or permanent waters (32, 33, 38, 39, and 82).	Distler: Common on Sedgwick Field Station.

82 - Water (Lake)

Tihen and Sprague, 1939	Study in Meade County State Park, KS. Confined to aquatic and sub-aquatic areas around the lake and
Tihen, 1937	Study in northwestern Kansas. Common around some of the streams and especially in the ponds of the Smoky Hill
Gloyd, 1928	Study in Franklin Co., KS. Adults found in more permanent bodies of water, while juveniles were collected in shallow streams, temporary pools, and stock ponds.
Clarke et al., 1958	yon Co., Kansas Common in permanent water of creeks, rivers, and sloughs; less frequent at lakes, small streams, and farm ponds.
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 type occurred in both Iowa and Kansas.
Burt, 1927	Study Riley Co., KS. Common in permanent streams and pools.
Gloyd, 1932	Study in Pigeon Lake region of Miami Co., KS. Keep to deeper water of marsh surrounding lake. Was never found in wooded swamp further from lake.
Burt, 1935	Study in AR, LA, MO, and OK. Very common around larger lakes and streams.
Wells, 1977	Specific location of studies not given. Selection of alliance bases on Habitat term (lake or pond).
Brumwell, 1951	Study on Fort Leavenworth Military Reservation, KS. Species common in littoral association (banks and sandbars along Missouri River, and two small lakes, Merritt Late and Smith Lake), more common in streams than
Fitch, 1958	Study University of Kansas Natural History Reservation, Douglas Co., KS. A large population found at pond on site, species limited to pond and adjoining marshy area.
Heinrich and Kaufman, 1985	Study at Konza Prairie Biological Station, Riley and Geary Counties,KS. Common in ponds, also occasionally found in streams.
Rundquist and Collins, 1977	Study in Cherokee Co., KS. Near permanent water, common throughout county.
[#Reviewer]	Distler: Common on Sedgwick Field Station.

82 - Water (River)

Tihen and Sprague, 1939	Study in Meade County State Park, KS. Confined to aquatic and sub-aquatic areas around the lake and
Tihen, 1937	Study in northwestern Kansas. Common around some of the streams and especially in the ponds of the Smoky Hill
Gloyd, 1928	Study in Franklin Co., KS. Adults found in more permanent bodies of water, while juveniles were collected in shallow streams, temporary pools, and stock ponds.
Clarke et al., 1958	Lyon Co., Kansas Common in permanent water of creeks, rivers, and sloughs; less frequent at lakes, small streams, and farm ponds.
Burt, 1927	Study Riley Co., KS. Common in permanent streams and pools.
Trowbridge, 1937	Study in southeastern OK. Common along all of the larger streams.
Burt, 1935	Study in AR, LA, MO, and OK. Very common around larger lakes and streams.
Brumwell, 1951	Study on Fort Leavenworth Military Reservation, KS. Species common in littoral association (banks and sandbars along Missouri River, and two small lakes, Merritt Late and Smith Lake), more common in streams than
Heinrich and Kaufman, 1985	Study at Konza Prairie Biological Station, Riley and Geary Counties,KS. Common in ponds, also occasionally found in streams.
Rundquist and Collins, 1977	Study in Cherokee Co., KS. Near permanent water, common throughout county.
[#Reviewer]	Distler: Common on Sedgwick Field Station.

90 - Riverine Sand Flats and Bars - not mapped

Taggart, 1997	Wallace, Logan, Wichita, Greeley, and Hamilton counties, KS. Species occurred with Bufo debilis in large pools. Terms used to select habitat based on description of pools. Selected from "Xanthium" or "Polygonum" in Dom. Veg. and occurrence in study area.
[#Reviewer]	Distler: Common on Sedgwick Field Station.

Reference List

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16. Tihen, J. A. and J. M. Sprague. 1939. Amphibians, reptiles, and mammals of the Meade County State Park. Transactions of the Kansas Academy of Science 42:499-512.
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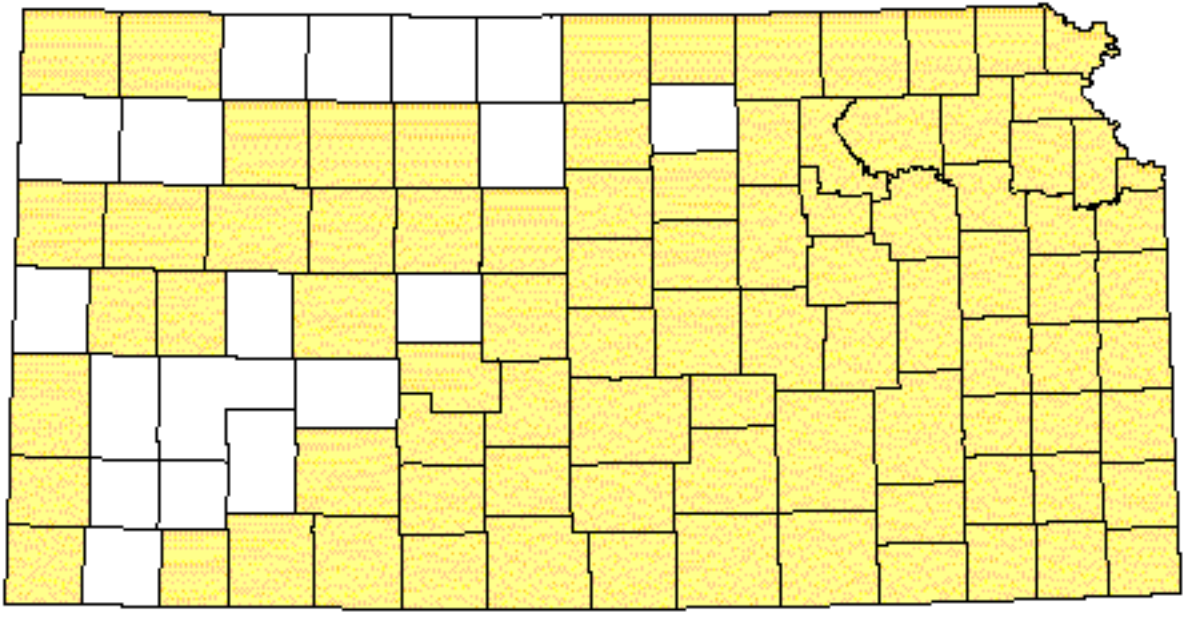
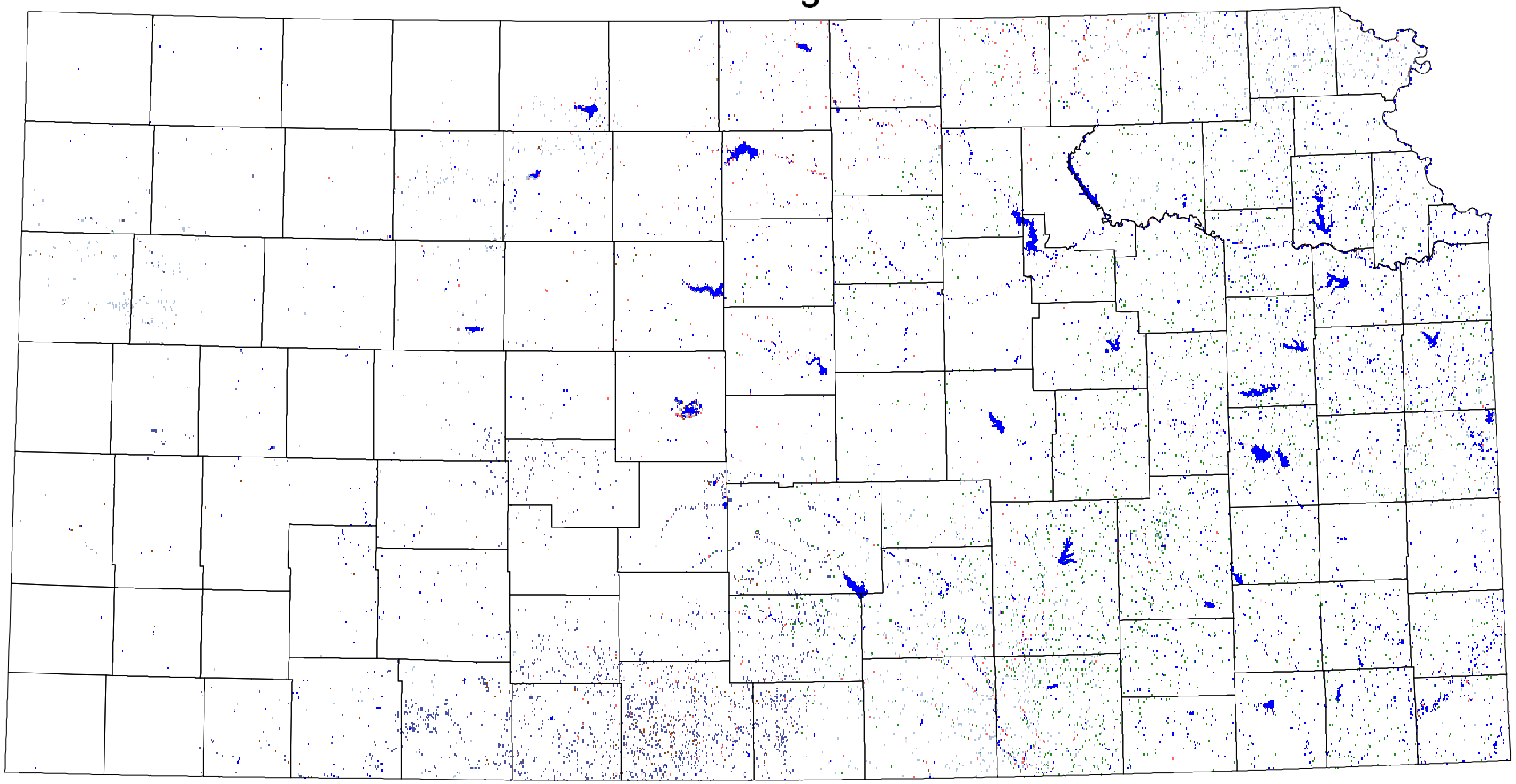
Bullfrog



Range from Collins, 1993

Habitat

Bullfrog



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- Cottonwood Floodplain Forest*
- Mixed Oak Ravine Woodland*
- Cottonwood Floodplain Woodland*
- Tallgrass Prairie*
- Freshwater Marsh*
- Bulrush Marsh
- Cattail Marsh
- Forb Playa Lake
- Weedy Marsh
- Water

* 30 m edge next to semipermanent or permanent waters