

Habitat Model for Species: Eastern Mole

Scalopus aquaticus

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

Landcover Category

0 - Comments

[#KS GAP] Map 30 m edge of 17, 18, 25, 40, and 71 adjacent selected forest, woodland, or urban habitats.

[#Reviewer]

Habitat Restrictions

01 - Maple-Basswood Forest

Rosenblatt et al., 1999

02 - Oak-Hickory Forest

Rosenblatt et al., 1999

Hartman, 1995

05 - Ash-Elm-Hackberry Floodplain Forest

Pitts et al., 1987 only along edges of woods

06 - Cottonwood Floodplain Forest

Yates and Schmidly, 1978

08 - Bur Oak Floodplain Woodland

Pitts et al., 1987 only along edges of woods

09 - Mixed Oak Ravine Woodland

Finck et al., 1986

11 - Cottonwood Floodplain Woodland

Yates and Schmidly, 1978

17 - Tallgrass Prairie

Choate, 1967

[#KS GAP] Map 30 m edge adjacent selected forest, woodland, or urban habitats.

18 - Sand Prairie

Yates and Schmidly, 1978

[#KS GAP] Map 30 m edge adjacent selected forest, woodland, or urban habitats.

25 - Shortgrass Prairie

Walker, 1978

Yates and Schmidly, 1978

[#KS GAP] Map 30 m edge adjacent selected forest, woodland, or urban habitats.

Comments

Add Counties: Ellis (Choate), Lyon (Finck), Lincoln, Osborne (Kaufman)

common along edges of woods

soil type, condition, & moisture limiting factors for mole; prefer moist, loamy, or sandy soils; scarce in heavy clay, stony, or gravelly soils; good soils may be avoided if excessively dry or wet; association chosen from Mammalian Species account

common along edges of woods

occurred in maintained lawns by homesteads; others suggest species requires loose, moist soil such as riparian habitats, pond and lake edges and well-watered lawns

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requires moist loamy soil
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40 - Non-native Grassland

Finck et al., 1986

occurred in maintained lawns by homesteads; others suggest species requires loose, moist soil such as riparian habitats, pond and lake edges and well-watered lawns

Choate, 1967

Rose, 1989

[#KS GAP]

Map 30 m edge adjacent selected forest, woodland, or urban habitats.

44 - Cultivated Land

Stallman and Best, 1996

3 moles captured; authors indicate capture of subterranean eastern moles caused by seeking shelter after flooding of burrows; crops were red clover, corn, soybeans, and oats

crop was oats

Choate, 1967

Scheffer, 1911

[#KS GAP]

Map 30 m edge adjacent selected forest, woodland, or urban habitats.

55 - Deciduous Woodland

Rose, 1989

71 - Weedy Upland

Pitts and Choate, 1987

Bradshaw and Goldberg, 1989

old field study sites, 36 mole mounds located in sandy soil and 50 marked in loamy sand soil

[#KS GAP]

Map 30 m edge adjacent selected forest, woodland, or urban habitats.

81 - Urban Areas

Jameson, 1947

cover was Poa and Bromus in lawn on University of Kansas campus

observations of this uncommon mammal often associated with human dwellings (yards and gardens)

Choate and Fleharty, 1975

Scheffer, 1911

Walker, 1978

Pitts et al., 1987

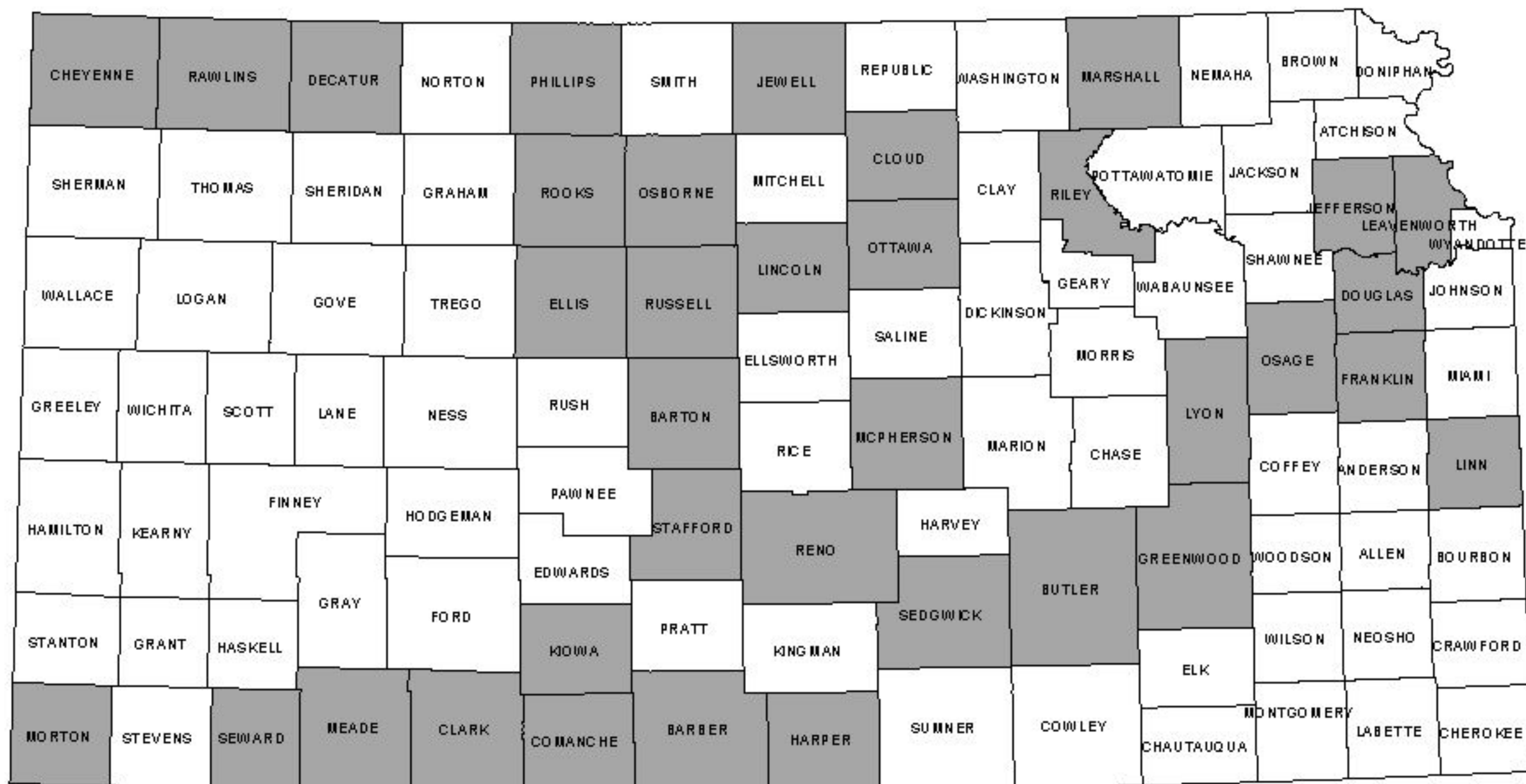
requires moist loamy soil

common and observed along roads and in grassy areas around buildings

Reference List

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2. Choate, J. R. *State Biological Survey of Kansas*. 1967: 1-46.
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4. Finck, E. J.; Kaufman, D. W.; Kaufman, G. A.; Gurtz, S. K.; Clark, B. K.; McLellan, L. J., and Clark, B. S. *The Prairie Naturalist*. 1986; 18, 153-166.
5. Hartman, G. D. *Journal of Zoology (London)*. 1995; 237, 107-122.
6. Jameson, E. W., Jr. *University of Kansas Publications, Museum of Natural History*. 1947; 1, 125-151.
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8. Pitts, R. M.; Levalley, M. J., and Klinger, S. *Transactions of the Kansas Academy of Science*. 1987; 90, 75-80.
9. Rose, R. K. *Transactions of the Kansas Academy of Science*. 1989; 92, 6-11.
10. Rosenblatt, D. L.; Heske, E. J.; Nelson, S. L.; Barber, D. M.; Miller, M. A., and MacAllister, B. *The American Midland Naturalist*. 1999; 14, 115-123.
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13. Walker, J. R. *Transactions of the Kansas Academy of Science*. 1978; 81, 185-229.
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Eastern Mole



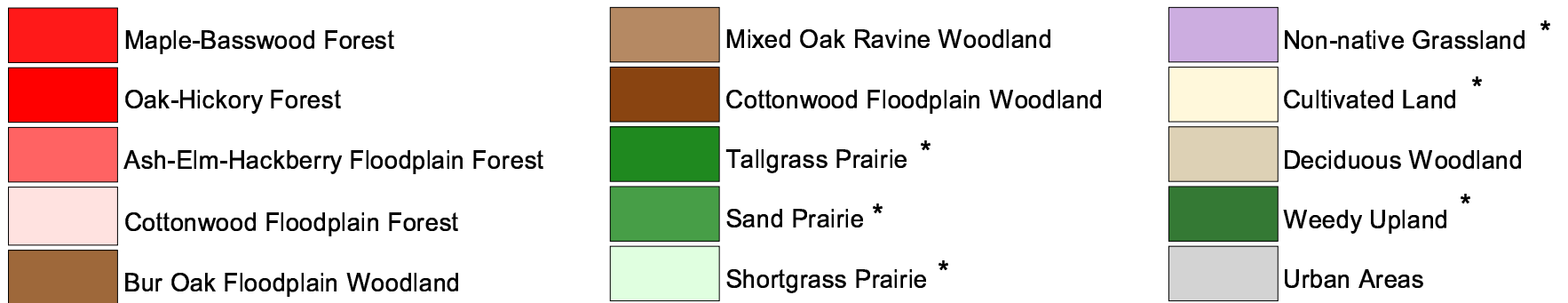
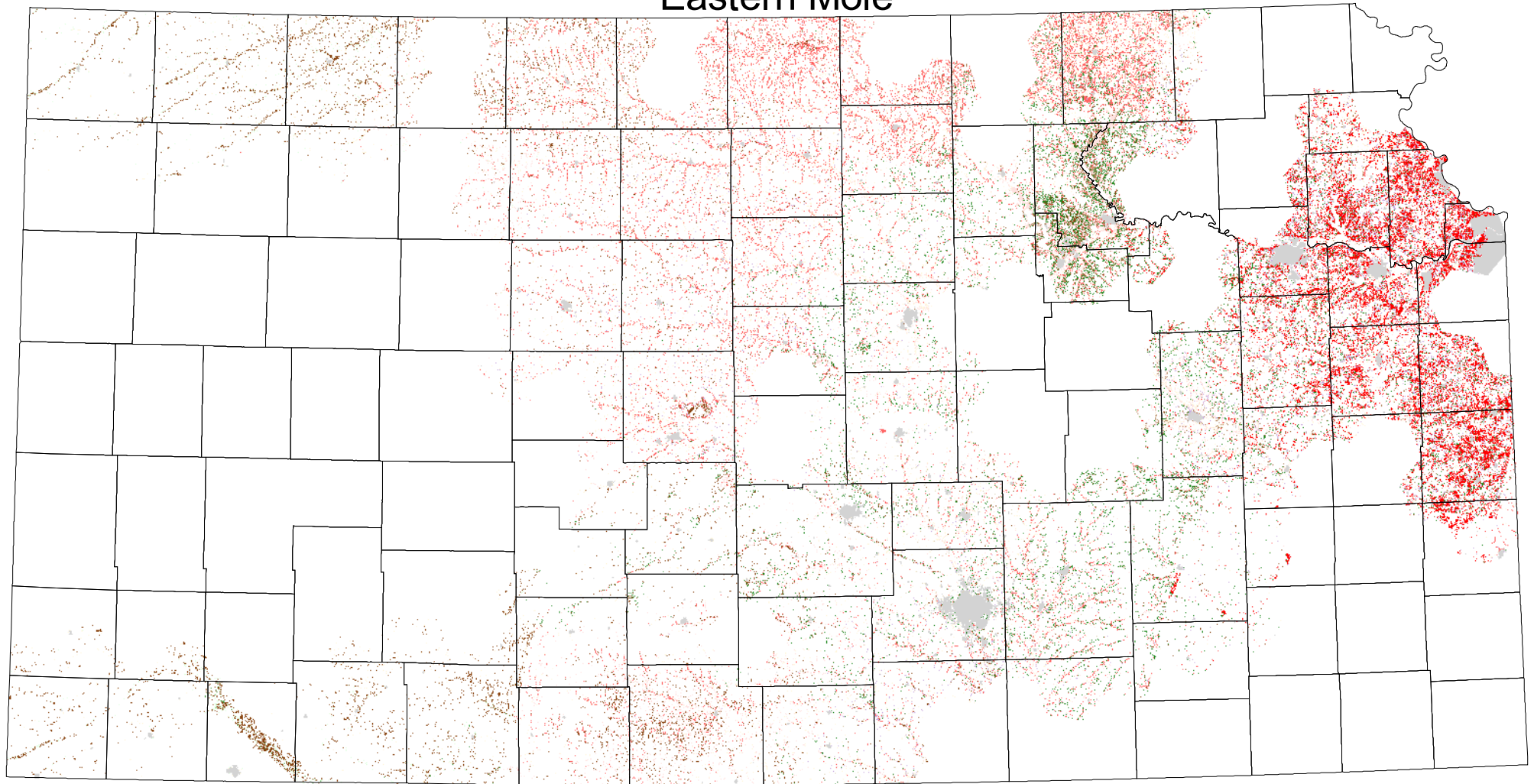
Recorded presence
 No records

Recorded distribution include specimen records and observations collected during 1941-2000 from University of Kansas Museum of Natural History, Sternberg Museum of Natural History, a large to mid-sized mammal survey conducted by regional biologists and conservation officers from the Kansas Department of Wildlife and Parks, and personal observations from professional mammalogists.

[Habitats](#)

[Habitat Map](#)

Eastern Mole



* 30 m edge if next to forest, woodland, or urban habitats