

82 - Water (Lake)

[KS GAP] Map 30 m edge (shorelines) of large reservoirs > 100 ha.
Schweitzer and David M. Leslie, Jr., 1996
Ziewitz et al., 1992
Carreker, 1985 Within 1.6 km of nesting site.
Schwalbach, 1988
Rabenberg et al., 1993
Nelson and Carter, 1993
Thompson et al., 1997

foraging and limited nesting.
foraging along shoreline of a large reservoir
shorelines of reservoirs, lakes, and ponds.
Potential foraging site.
reservoirs
Nesting on reservoir.
Nesting on reservoir.
reservoirs

82 - Water (River)

[KS GAP] Map all rivers.
Carreker, 1985 Within 1.6 km of nesting site.
Thompson et al., 1997

foraging in shallow water.

90 - Riverine Sand Flats and Bars - not mapped

Sidle and Kirsch, 1993
Ducey, 1982
Ducey, 1981
Sidle and Carlson, 1992
Wilson et al., 1993
Kirsch, 1996
Bent, 1921
Smith and Renken, 1991
Grenon, 1988
Dinsmore et al., 1984
Dirks, 1990
Ducey, 1988
Ziewitz et al., 1992
Dinsmore, 1989
Faanes, 1983
Wilson, 1991
Carreker, 1985
Schwalbach, 1988
Dirks et al., 1993 <10% vegetation
Rabenberg et al., 1993
Sidle, 1993
Dinan and Sidle, 1993

also use sandpits
Nesting on sandbars along river.
Nesting on sandbars along river. Islands 2-3ha.

also on gravel excavation sites
Also nesting in sandpits.

Nesting on sandbars along river.

Nesting on sandbars along river.
Nesting on sandbars along river. Also found in

Nesting on sandbars along river.

Nesting on sandbars along river.

sandbars and gravel pits
Also nesting on spoil piles associated with gravel
mines or other dredging activities.
sandbar or spoil
Sandbars or sand pits created by sand mining along
a river.

Also nesting in sandpits.

Also nesting in sandpits.

Nesting on sandbars, spill piles at sand and gravel
pits, and reservoir shorelines.

Kirsch, 1992
Kirsch and Gary R. Lingle, 1993

Kirsch, 1993
Schweitzer, 1994
Hill, 1993
Renken and Dugger, 1996
Stiles, 1938
Thompson et al., 1997
Schulenberg and Patacek, 1984
Kirsch, 1999

Schulenberg et al., 1980
Boyd, 1993 alkaline flats
Boyd, 1990 alkaline flats
Boyd and Jeff Rupert, 1991 alkaline flats
Smith and Renken, 1993

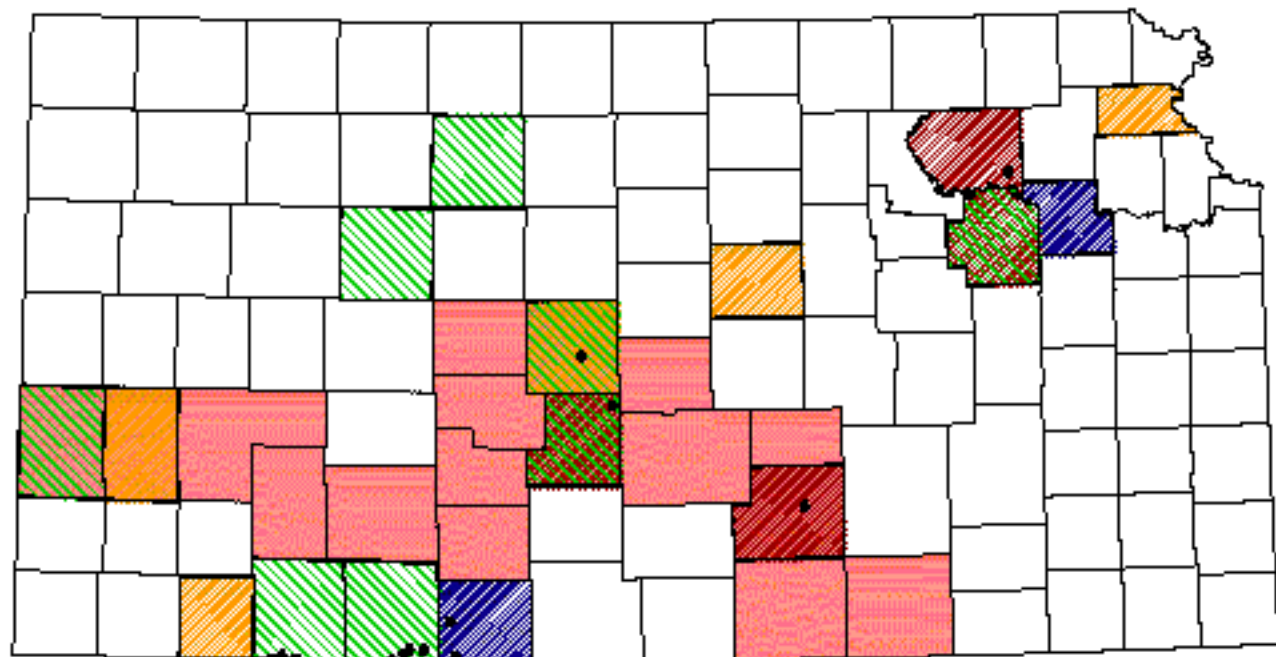
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Least Tern




Kansas Breeding Bird Atlas

 Confirmed Breeding

 Probable Breeding

 Possible Breeding

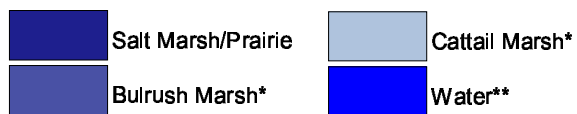
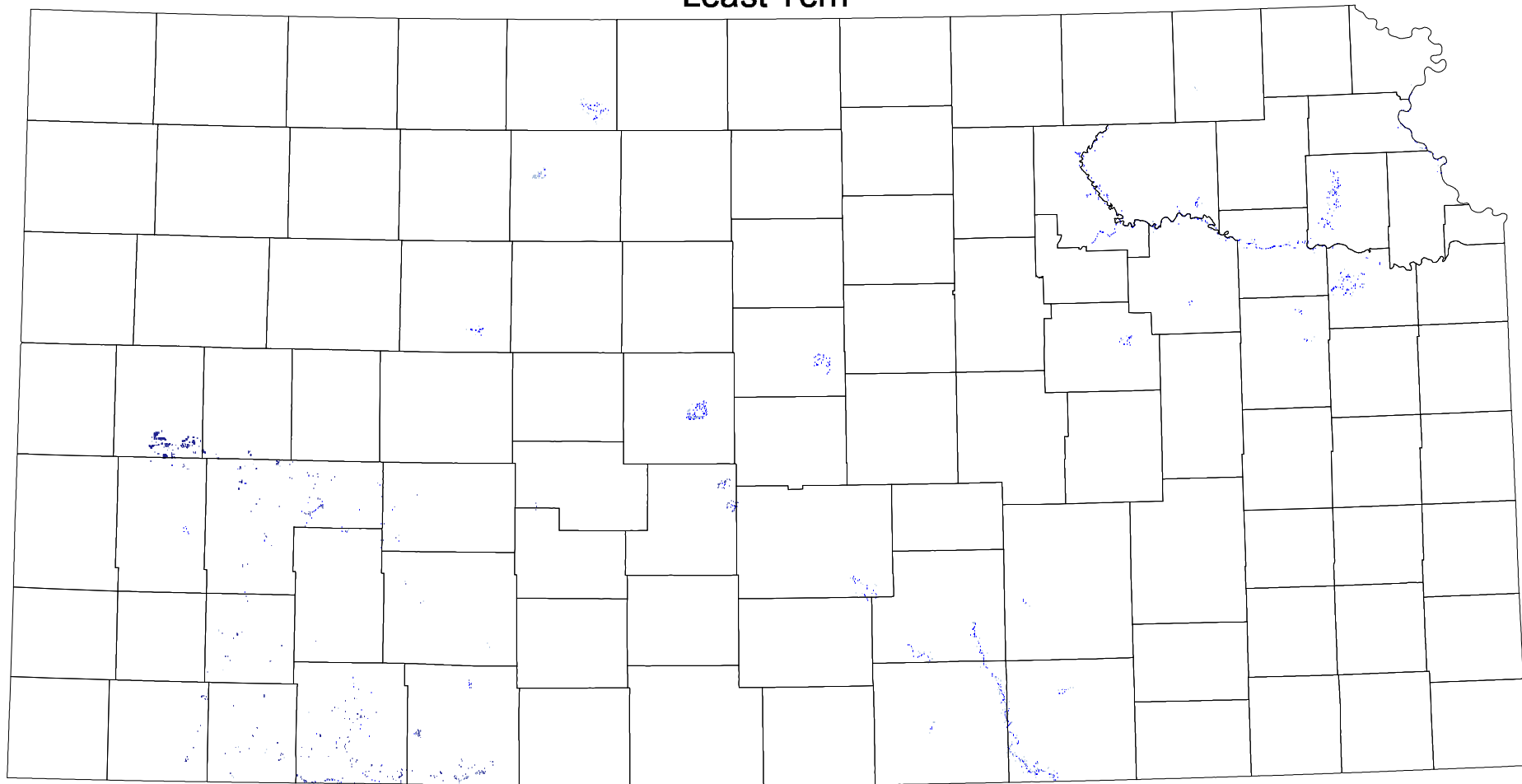
 Breeding Bird Survey

 Birds of Kansas,
Horned Lark

 Range from Johnsgard, 1882
The Birds of Nebraska

 Kansas Biological Survey Data

Least Tern



* if within 1.6 km of salt marsh/prairie or water

** 30 m edge if within 1.6 km of salt marsh/prairie and > 100 ha