

Metadata for prairie chicken range maps.

Product Description:

A map of the known distribution of the greater prairie chicken (*Tympanuchus cupido pinnatus*) and lesser prairie chicken (*Tympanuchus pallidicinctus*) in Kansas was created by first producing a preliminary map of that was mailed to regional experts for field assessments during the early spring of 2004. The resulting comments and edits were interpreted and used to produce this map showing the range and distribution of prairie chickens in Kansas. Map is subject to revision as more information becomes available. Last updated: Spring 2008.

Data created by:

Kansas Department of Wildlife and Parks (KDWP)
Kansas Applied Remote Sensing (KARS)
Kansas Biological Survey (KBS)

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Project status:

Complete, last update spring, 2008

Spatial domain:

Kansas

Bounding_Coordinates:

West_Bounding_Coordinate: -102.5

East_Bounding_Coordinate: -94.6

North_Bounding_Coordinate: 40.0

South_Bounding_Coordinate: 37.0

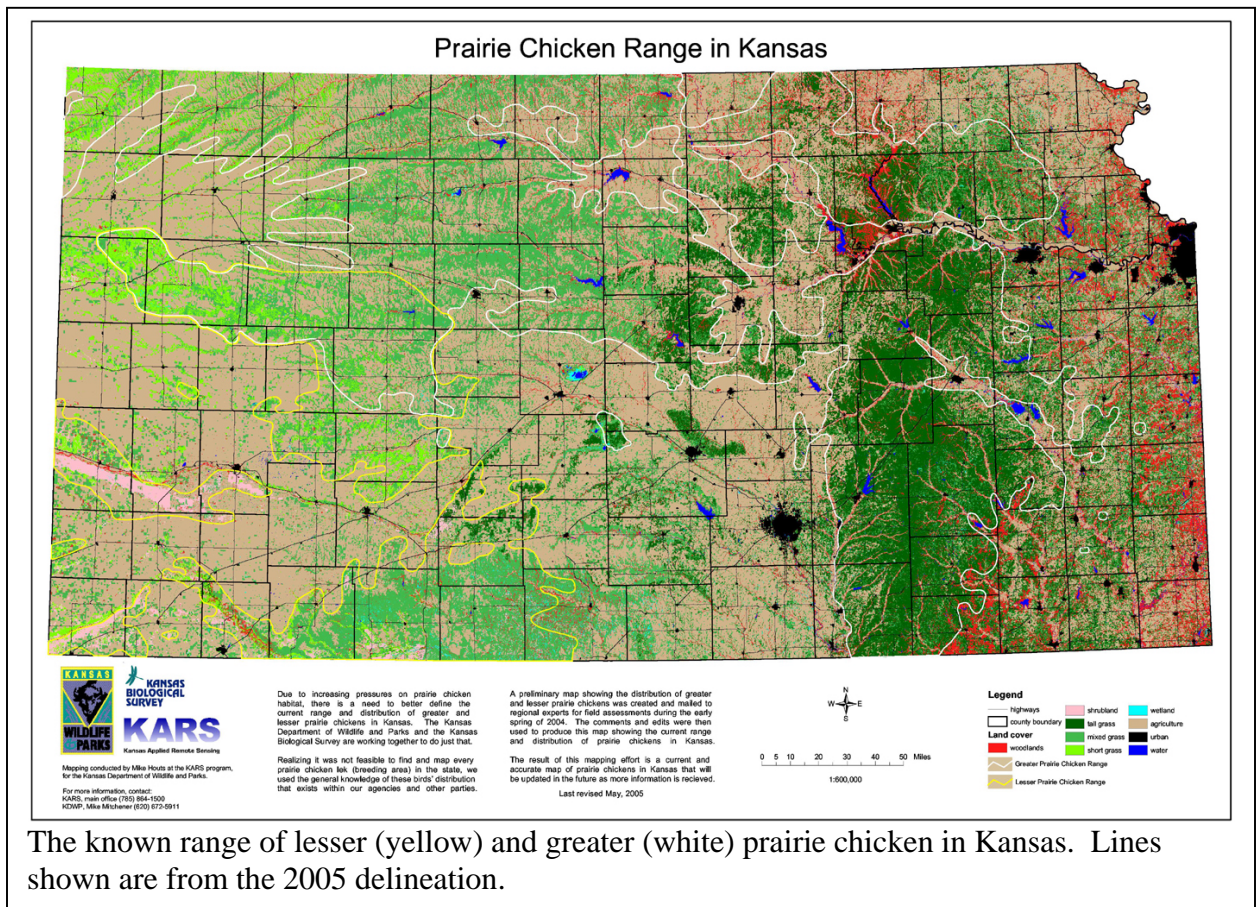
Projection information:

UTM, Zone_14N
GEOGCS: GCS_North_American_1927
DATUM: D_North_American_1927
SPHEROID: Clarke_1866",6378206.4,294.9786982
PRIMEM: Greenwich 0.0
UNIT: Degree 0.017453292519943
PROJECTION: Transverse Mercator
False_Easting: 500000.0
False_Northing: 0.0
Central_Meridian: -99.0
Scale_Factor: 0.9996
Latitude_Of_Origin: 0.0
UNIT: Meter 1.0

Mapping known distribution:

Realizing it was not feasible to find and map every prairie-chicken lek in the state, we used the general knowledge of these birds' distribution that exists within state agencies and other parties. We created a draft map of the known distribution of prairie-chickens in Kansas by combining our own personal knowledge of prairie-chicken distributions in the state with the Kansas GAP landcover map and the newly created potential habitat map onto a series of transparencies. These transparencies were scanned, geo-referenced, mosaiced, and digitized to create a digital outline of greater and lesser prairie-chicken distribution. This rough delineation was used to create a map for mailing to regional experts for comments and edits. A series of three maps were created by dividing the state into thirds (eastern, central, and western). Each region showed the draft prairie-chicken distributions overlaid on a generalized GAP vegetation map with ancillary data such as county boundaries and major highways to provide spatial reference. Draft maps were distributed in late winter so that recipients would have the option of conducting field assessments during the spring lek displays.

The edits were compiled onto a single new map that was then returned to KARS where the GIS vector layers of the greater and lesser prairie-chicken ranges were edited to match the revised map. The revised map was then mailed out again to the same group of people for verification. Any additional edits were compiled and the necessary changes made to the GIS coverage. Since its original creation date, the map has been revised several times to reflect new information on the distribution of prairie chickens in Kansas.



The known range of lesser (yellow) and greater (white) prairie chicken in Kansas. Lines shown are from the 2005 delineation.

Data_Set_Credits:

Randy Rodgers
Michael E. Houts
Roger Applegate
Bill Busby
Keith Sexson
Kevin Price

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GIS processing, and Metadata created by Michael Houts