Range delineation from expert opinion (2005)

Greater prairie chicken range
Lesser prairie chicken range

Area of lesser range: 7,180,778 acres / 11,224 sq. miles
Area of greater range: 19,950,909 acres / 31,183 sq. miles
Total prairie chicken range: 27,131,687 acres / 42,407 sq. miles

Predicted prairie chicken habitat*

Core habitat
One mile buffer

Total area of predicted habitat (core and buffer): 22,385,582 acres / 34,989 sq. miles

* Prairie chicken habitat was predicted by:
1) Identifying areas of suitable land cover greater than two sq. miles using the GAP landcover map. Core habitat classes include sandsage shrub land, tallgrass prairie, sand prairie, western wheatgrass, sandstone glade/prairie, mixed prairie, shortgrass prairie, and CRP)
2) creating a one mile buffer around the core habitat areas
3) identifying and masking out a 1/16th mile buffer around unsuitable areas (urban, and woodlands)