

Landscape Suitability for Greater Prairie-Chickens

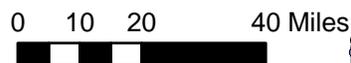
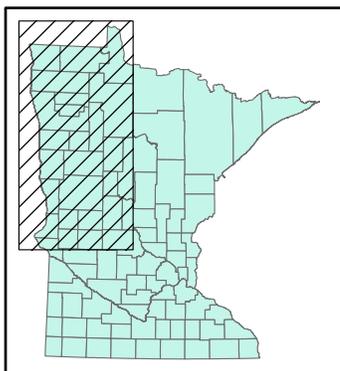
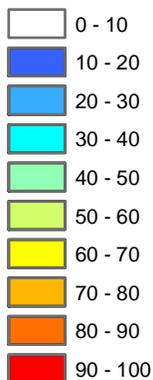
Landscape suitability for Greater Prairie-Chickens in NW Minnesota was modeled by using logistic regression, comparing landscape attributes surrounding leks (1996-2004) versus random points. The following variables were used in the final model:

- + % grass within 2 miles
- % trees within 2 miles
- road mileage within 2 miles
- + number of grass patches within 1/2 mile
- + distance to nearest trees
- distance to nearest grass
- + average grass patch size within 2 miles
- + smallest grass patch within 1/2 mile

Legend

Landscape Suitability

VALUE



Lek data were provided by The Minnesota Prairie-Chicken Society and MN DNR. Land cover data were from 2000-2001 TM Landsat imagery.

