

# Landscapes for *En Route* Shorebirds in Spring

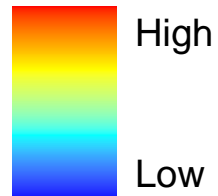
Marbled Godwit  
American Avocet  
Willet

Most influential variable:  
Percent grass in landscape

Landscape suitability was based on models of presence/absence. Models were run using four variables: percent grass, percent palustrine wetlands, proportion of palustrine wetlands that were temporary or seasonal, and average slope. See accompanying text for details.

Shorebird data were collected in spring of 2002 and 2003. Landcover data are from TM satellite imagery from 1991 (North and South Dakota) and 2000-2002 (Minnesota and Iowa). Wetland data are from the National Wetlands Inventory. Landscape size was a township (36 square miles).

Predicted Landscape  
Suitability



0 15 30 60 90 120 Miles

Prairie Pothole  
Joint Venture  
Study Area:

