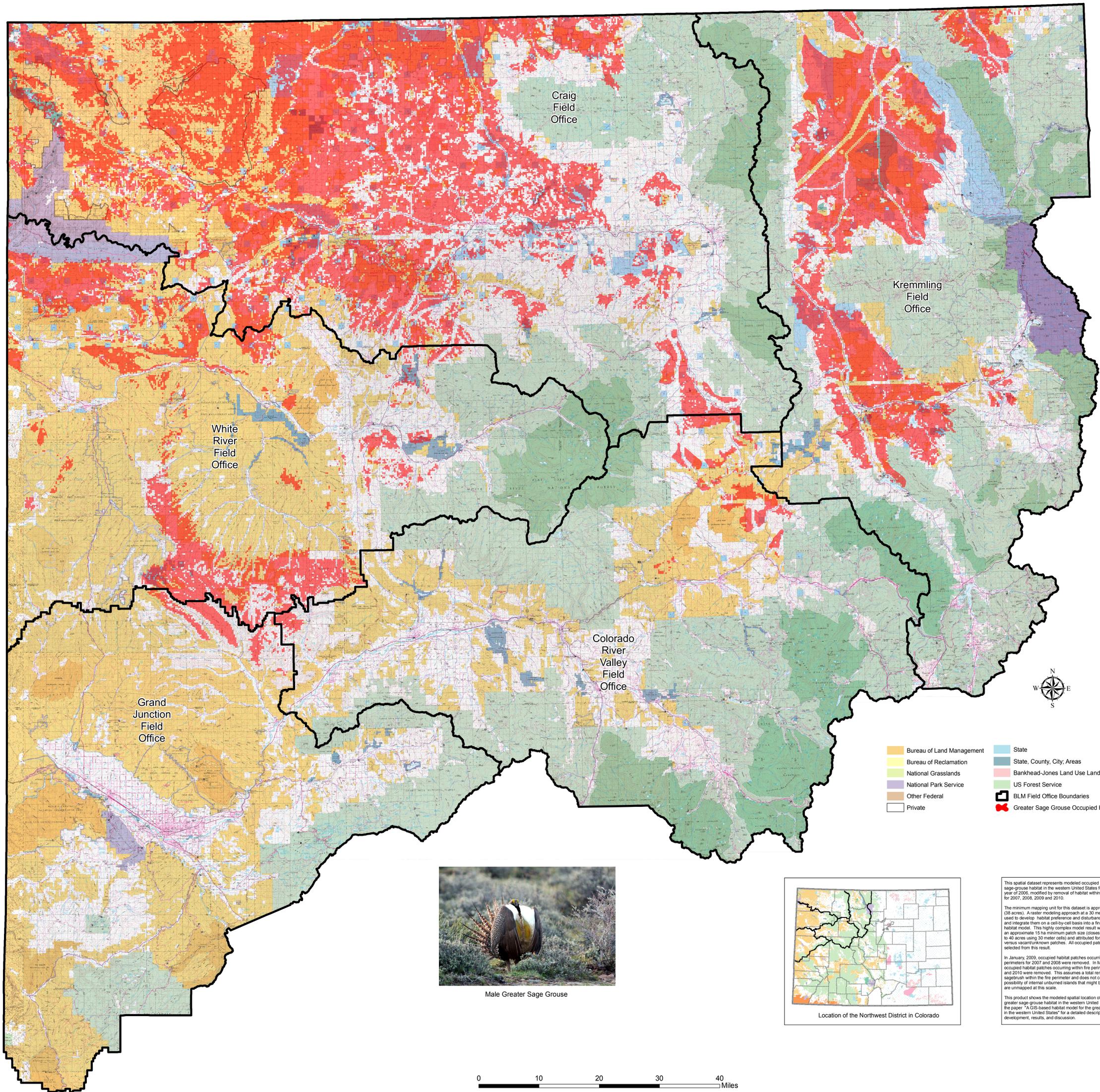
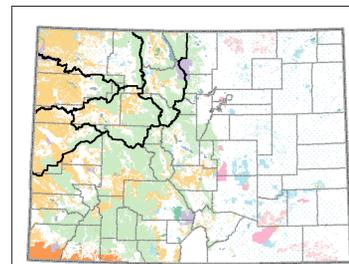


# Modeled Greater Sage-Grouse Occupied Habitat in the Colorado BLM Northwest District



Male Greater Sage Grouse



Location of the Northwest District in Colorado

This spatial dataset represents modeled occupied greater sage-grouse habitat in the western United States for the baseline year of 2005, modified by removal of habitat within fire perimeters for 2007, 2008, 2009 and 2010.

The minimum mapping unit for this dataset is approximately 15 ha (36 acres). A raster modeling approach at a 30 meter cell size was used to develop habitat preference and disturbance sub-models, and integrate them on a cell-by-cell basis into a final suitable habitat model. This highly complex model result was resampled to an approximate 15 ha minimum patch size (closest approximation to 40 acres using 30 meter cells) and attributed for occupied versus vacant/unknown patches. All occupied patches were selected from this result.

In January, 2009, occupied habitat patches occurring within fire perimeters for 2007 and 2008 were removed. In March 2011, occupied habitat patches occurring within fire perimeters for 2009 and 2010 were removed. This assumes a total removal of sagebrush within the fire perimeter and does not consider the possibility of internal unburned islands that might be present, but are unmapped at this scale.

This product shows the modeled spatial location of occupied greater sage-grouse habitat in the western United States. Refer to the paper "A GIS-based habitat model for the greater sage-grouse in the western United States" for a detailed description of model development, results, and discussion.

0 10 20 30 40 Miles

