

Species of Habitat Fragmentation Concern

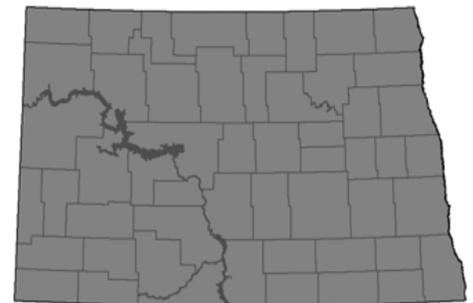
Species: Upland Sandpiper (*Bartramia longicauda*)

Habitat Preference: Seasonal resident, species nests in North Dakota. An obligate grassland species and considered an “indicator species” for native prairie (Houston et al., 2011). In general, uses dry grasslands “with low to moderate forb cover, low woody cover, moderate grass cover, moderate to high litter cover, and little bare ground” (Houston et al., 2011; Vickery et al. 2010).



Credit: Phil Huber

Habitat Fragmentation Concerns: Species of Conservation Priority in North Dakota because of habitat destruction and/or degradation of native prairie (Level I; Hagen et al., 2005). Occurrence and density of species sensitive to habitat patch size (Ribic et al., 2009) leading some authors to suggest managing for “...patches of at least 100 ha, within 1 km of each other, to reduce edge, provide habitat heterogeneity, and to decrease nest depredation” (Houston et al., 2011).



Map of Species Range in North Dakota
Source: Hagen et al., 2005

General Review Literature:

- Hagen, S.K., P.T. Isakson, and S.R. Dyke. 2005. North Dakota Comprehensive Wildlife Conservation Strategy. North Dakota Game and Fish Department. Bismarck, ND. 454 pp.
<http://gf.nd.gov/conservation/cwcs.html>
- Ribic, C.A., R.R. Koford, J.R. Herkert, D.H. Johnson, N.D. Niemuth, D.E. Naugle, K.K. Bakker, D.W. Sample, and R.B. Renfrew. 2009. Area sensitivity in North American grassland birds: Patterns and process. *Auk* 126:233-244.
- Houston, C. Stuart, Cameron R. Jackson and Daniel E. Bowen, Jr. 2011. Upland Sandpiper (*Bartramia longicauda*), *The Birds of North America Online* (A. Poole, Ed.). Ithaca: Cornell Lab of Ornithology; Retrieved from the Birds of North America Online:
<http://bna.birds.cornell.edu/bna/species/580>.
- Vickery, P. D., D. E. Blanco, and B. López-Lanús. 2010. Conservation Plan for the Upland Sandpiper (*Bartramia longicauda*). Version 1.1. Manomet Center for Conservation Sciences, Manomet, Massachusetts.

Additional Species Management Information: <http://www.npwrc.usgs.gov/resource/literatr/grasbird/upsa/upsa.htm>