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DEFINING AND REDUCING WILDLIFE HAZARDS TO AVIATION IN THE USA

Richard A. Dolbeer

USDA/APHIS/WS National Wildlife Research Center

Scott C. Barras

USDA/APHIS/WS National Wildlife Research Center

Bradley F. Blackwell

USDA/APHIS/WS National Wildlife Research Center, bradley.f.blackwell@aphis.usda.gov

Thomas W. Seamans

USDA/APHIS/WS National Wildlife Research Center, thomas.w.seamans@aphis.usda.gov

Sandra E. Wright

USDA/APHIS/WS National Wildlife Research Center

See next page for additional authors

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Authors

Richard A. Dolbeer; Scott C. Barras; Bradley F. Blackwell; Thomas W, Seamans; Sandra E. Wright; and Edward C. Cleary

**DEFINING AND REDUCING WILDLIFE HAZARDS TO AVIATION IN THE USA
(Poster)**

*Richard A. Dolbeer, Scott C. Barras, Bradley F. Blackwell, Thomas W. Seamans, Sandra E. Wright,
USDA/WS, National Wildlife Research Center, 6100 Columbus Ave., Sandusky, OH 44870 USA
(419-625-0242; fax 419-625-8465; richard.a.dolbeer@usda.gov)*

*Edward C. Cleary Federal Aviation Administration, Office of Airport Safety and Standards, 800
Independence Ave., SW, AAS-317, Washington, DC 20591 USA (202267-3389; fax 202-267-
5383; ed.cleary@faa.gov)*

The U.S. Department of Agriculture's National Wildlife Research Center (NWRC), through an interagency agreement with the U.S. Federal Aviation Administration (FAA), conducts a national research program to define and reduce bird and other wildlife hazards to aircraft. The goal is to provide the FAA and airports nationwide with a scientific foundation for policies and recommendations related to wildlife and aviation safety. Research tasks conducted by NWRC under the agreement include: 1) investigations of habitat management and land-use practices on and near airports to reduce bird activity; 2) development and evaluation of bird repellent and frightening methods for airports; 3) management and analysis of the National Wildlife Strike Database for civil aviation; and 4) development of publications, including a manual on wildlife hazard management, for use by airport operators nationwide. The research, coordinated by NWRC's Sandusky, Ohio Field Station, has resulted in over 100 scientific publications since 1992. Recent highlights include 1) development of a wildlife strike database for civil aviation with about 28,000 strike reports, 1990-1999; 2) publication of a report, based on analyses of data in the bird strike database, which indicated wildlife collisions with aircraft cost U.S. civil aviation over \$300 million/year, 1990-1998; 3) partnership with private industry to develop chemical repellents for use against Canada geese on airports; 4) development of management program at JFK International Airport, New York, that resulted in a 90% reduction in gull-aircraft collisions; and 5) publication of a comprehensive manual for airport personnel entitled "Wildlife Hazard Management at Airports".