



US Army Corps  
of Engineers

# Avian Inventory, Monitoring, and Management

## Objectives

To inventory and monitor avian populations on Department of Defense (DoD) lands, and to provide recommendations for the management of wildlife habitat in support of the DoD mission.

## Description

Many state and Federal land management agencies have recognized that their lands provide a significant percentage of the land-base that can be managed to provide the diversity of habitats needed to sustain populations of many declining bird species. Within the last 5 years, many Department of Defense military installations have conducted baseline avian inventories to determine the role installation lands play in providing seasonal habitats for the broad diversity of birds breeding and wintering within, and migrating through, the United States.



The ERDC has conducted seasonal avian surveys on numerous military installations throughout the country in support of the goals of Partners in Flight (PIF). PIF is a voluntary coalition of government agencies, conservation groups, academic institutions, and private businesses dedicated to “keeping common birds common.” PIF's goal is to direct resources toward the conservation of birds and their habitats through cooperative efforts in North America and the Neotropics.

The foundation of PIF's bird conservation strategy, known as “The Flight Plan,” is a series of Bird Conservation Plans. These plans identify species and habitats most in need of conservation, and establish objectives for bird populations and habitats in physiographic areas and states. The plans not only identify the microhabitat requirements of priority species, but also focus on the types and quality of habitats required by birds at the landscape scale.

ERDC biologists conduct intensive surveys and use these data to identify priority species and habitats, and make recommendations for land management in support of PIF goals.

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Songbird surveys at  
Little Rock Air Force  
Base, AR



Shorebird and  
waterfowl surveys on  
Fort Belvoir, VA