

# Wildlife Issues at Airports



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# Wildlife Issues

- What types/species of wildlife are present?
- Why do we have issues with these species?
- When are these species encountered (seasonally, daily)?
- How do we manage the species present?

# FAA

## ■ Advisory Circulars

- 150/5200 – 33b Hazardous Wildlife Attractants
- 150/5200 – 32a Reporting Wildlife Strikes
- 150/5200 – 34a Landfills
- 150/5200 – 36 Wildlife Training

## ■ Cert Alerts

- 04-09 FAA & USDA
- 04-16 Deer Hazards
- 06-07 Threatened and Endangered Species
- 09-10 Wildlife Hazard Assessments
- 98-05 Grasses Attractive to Hazardous Wildlife

# Wildlife Hazard Assessments (WHA)

The background of the slide features a silhouette of a large commercial airplane on a runway, viewed from a low angle. The sky is a deep orange and red, indicating a sunset or sunrise. In the foreground, there are several tall, dark structures that appear to be airport lighting towers or navigation aids, with small lights visible at their tops and bases.

- WHAs are required as part of the 139...when certain conditions are met. Conditions are defined as follows:
  - *Each certificate holder must ensure that a Wildlife Hazard Assessment is conducted when any of the following events occurs on or near the airport:*
    - (1) *An air carrier aircraft experiences multiple wildlife strikes;*
    - (2) *An air carrier aircraft experiences substantial damage from striking wildlife.*
    - (3) *An air carrier aircraft experiences an engine ingestion of wildlife; or*
    - (4) *Wildlife of a size, or in numbers, capable of causing an event described in paragraphs (b)(1), (b)(2), or (b)(3) of this section is observed to have access to any airport flight pattern or aircraft movement area.”*

# Wildlife Hazard Management Plan (WHMP)

- Part of an Integrated Wildlife Hazard Management Plan (IWHMP)
- Steps Intended to Reduce Wildlife Issues:
  - Habitat management
  - Exclusion
  - Harassment/Hazing
  - Repellents/Toxicants
  - Population Reduction

# Required Documentation...



- State and Federal Permits
- Categorical Exclusions
- Environmental Assessment
- Environmental Impact Statement

**Colorado Department  
of Public Health  
and Environment**



# Habitat Management

**Recommendations made based on three basic needs of wildlife:**

**Food  
Water  
Shelter/Cover**

# Land Use Practices and Planning

- Get Involved!!
- Ask Questions...Utilize All of Your Resources!
- Be Careful What You Wish For...



# Wildlife Attractants - Food

## Vertebrates -

- voles, mice, rabbits, small birds, etc.
- attracts predators:  
raptors, coyotes, fox, etc.



## Options:

- Management of weeds, tall grass, brush, and food handouts/garbage.
- Manage prey population.





# Food Handouts / Garbage



# **DO NOT FEED WILDLIFE**

**GARBAGE, INCLUDING FOOD, MUST  
BE DISPOSED OF PROPERLY**



**City Code Sec. 49-553  
Violations punishable by a fine of up to \$999**



# Harassment/ Hazing





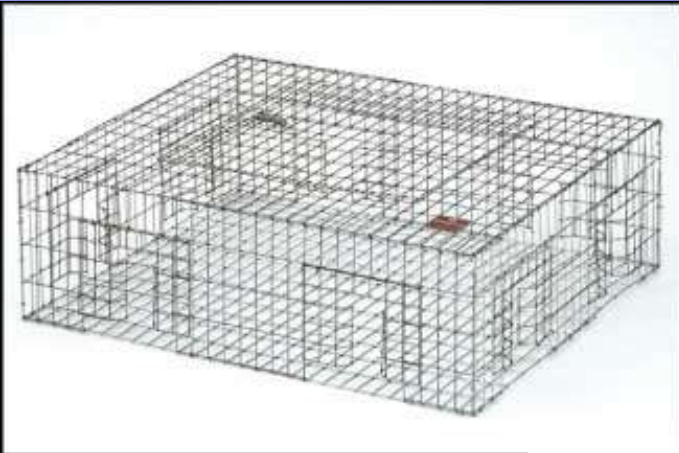
## Exclusion barriers



# Repellents/Toxicants



# Population Reduction





December 1985

F-111

Red-tailed Hawk

July 1996

AWACS  
Hawk







**Vulture strike**

**Penetration of wild turkey into cockpit of Canadair RJ 200 on take off run at Virginia Airport, March 2002 (cost > \$1 million)**





# American Kestrel





# Northern Shoveler Strike



# QUESTIONS?



**THANK YOU FOR YOUR  
COOPERATION!  
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