Airport Wildlife Management

by MSP Wildlife Team

2011 Annual AirTAP Fall Forum, October 6-7, 2011
Think about this

- What do you need to know?
- What do you want to know?
Airport Wildlife Management

What it isn’t!
MN Airports Map
2. **APPLICABILITY** The Federal Aviation Administration (FAA) recommends that public-use airport operators implement the standards and practices contained in this AC. The holders of Airport Operating Certificates issued under Title 14, Code of Federal Regulations (CFR), Part 139, Certification of Airports, Subpart D (Part 139), may use the standards, practices, and recommendations contained in this AC to comply with the wildlife hazard management requirements of Part 139. Airports that have received Federal grant-in-aid assistance must use these standards. The FAA also recommends the guidance in this AC for land-use planners, operators of non-certificated airports, and developers of projects, facilities, and activities on or near airports.
You own the problem

Advisory Circular

Subject: HAZARDOUS WILDLIFE ATTRACTANTS ON OR NEAR AIRPORTS

Date: 8/28/2007  AC No: 150/5200-33B
Initiated by: AAS-300  Change:

**c. Airports surrounded by wildlife habitat.** The FAA recommends that operators of airports surrounded by woodlands, water, or wetlands refer to Section 2.4 of this AC. Operators of such airports should provide for a Wildlife Hazard Assessment (WHA) conducted by a wildlife damage management biologist. This WHA is the first step in preparing a WHMP, where required.

**d. Other hazardous wildlife attractants.** Other specific land uses or activities (e.g., sport or commercial fishing, shellfish harvesting, etc.), perhaps unique to certain regions of the country, have the potential to attract hazardous wildlife. Regardless of the source of the attraction, when hazardous wildlife is noted on a public-use airport, airport operators must take prompt remedial action(s) to protect aviation safety.
You own the problem
Ignorance is not a defense
Do I Have a Problem?

- Site Visit – Assessing the Situation
Assessing the Situation

- What Species do I have on my airport?
Assessing the Situation

- Do I have any habitat “issues?”
Assessing the Situation

- Do I have any Non-compatible land use practices?
Assessing the Situation

- Is there anything else creating a hazard?
Assessing the Situation

- Do I have a problem at my airport?
USDA Wildlife Services

Wildlife Services
Protecting People
Protecting Agriculture
Protecting Wildlife

State Report
FY 2006

Minnesota
Wildlife Hazard Assessment

- An analysis of the events or circumstances that prompted the assessment.
- Identification of the wildlife species observed and their numbers, locations, local movements, and daily and seasonal occurrences.
- Identification and location of features on and near the airport that attract wildlife.
- A description of wildlife hazards to air carrier operations.
- Recommended actions for reducing identified wildlife hazards to air carrier operations....
Minneapolis Airports District Office

6020 28th Avenue South
Room 102
Minneapolis, MN 55450
Phone: (612) 713-4350
Wildlife Hazard Management Plan

- Authority for Implementation of the Plan
- Priorities for Habitat Modification
- Local, State and Federal Permits
- Resources
- Procedures
- Review and Evaluation
- Training
Training

- Wildlife Hazards
- Wildlife hazard management strategies, tools and techniques
- Strike collection and reporting
- Firearms safety and proficiency
- Pyrotechnics
- Wildlife identification
<table>
<thead>
<tr>
<th>TIME</th>
<th>LOCATION</th>
<th>COUNT</th>
<th>SPECIES</th>
<th>ACTION</th>
<th>#</th>
<th>BEHAVIOR</th>
<th>COVER</th>
<th>AMMUNITION</th>
<th># OF ROUNDS</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>07:10</td>
<td>L 17</td>
<td>1</td>
<td>MOOSE</td>
<td>Vehicle Naze</td>
<td>8</td>
<td>Feeding</td>
<td>Woodland</td>
<td>--</td>
<td>--</td>
<td>Adult Male walked into Woods East of Runway 15</td>
</tr>
<tr>
<td>07:38</td>
<td>I 18</td>
<td>2</td>
<td>American Blacken</td>
<td>Wing Simulate</td>
<td>0</td>
<td>Leaning</td>
<td>Runway</td>
<td>Shot Shell</td>
<td>2</td>
<td>Flew East</td>
</tr>
<tr>
<td>07:58</td>
<td>I 18</td>
<td>3</td>
<td>Mallard</td>
<td>Wing Simulate</td>
<td>0</td>
<td>Leaning</td>
<td>Short Grass</td>
<td>Shot Shell</td>
<td>3</td>
<td>Flew East</td>
</tr>
<tr>
<td>08:21</td>
<td>F 17</td>
<td>1</td>
<td>Mallard</td>
<td>Vehicle Naze</td>
<td>2</td>
<td>Leaning</td>
<td>Long Grass</td>
<td>--</td>
<td>--</td>
<td>Adult Female</td>
</tr>
<tr>
<td>08:21</td>
<td>F 17</td>
<td>1</td>
<td>Mallard</td>
<td>Wing Simulate</td>
<td>2</td>
<td>Leaning</td>
<td>Long Grass</td>
<td>Shot Shell</td>
<td>1</td>
<td>Male - Flew South</td>
</tr>
<tr>
<td>08:58</td>
<td>D 15</td>
<td>1</td>
<td>Red Tail Hawk</td>
<td>Hunting</td>
<td>0</td>
<td>Flying</td>
<td>Short Grass</td>
<td>Cracker Shell</td>
<td>1</td>
<td>Flew Northwest</td>
</tr>
<tr>
<td>08:58</td>
<td>F 17</td>
<td>1</td>
<td>Mallard</td>
<td>Wing Simulate</td>
<td>0</td>
<td>Leaning</td>
<td>Woodland</td>
<td>Shot Shell</td>
<td>2</td>
<td>Adult Female - Did NOT LEAVE AREA</td>
</tr>
<tr>
<td>10:00</td>
<td>K 16</td>
<td>6</td>
<td>Ravens</td>
<td>Target</td>
<td>0</td>
<td>Leaning</td>
<td>Runway</td>
<td>15 mm Whizlet</td>
<td>2</td>
<td>Flew North</td>
</tr>
<tr>
<td>10:40</td>
<td>H 20</td>
<td>4</td>
<td>Mallard</td>
<td>Wing Simulate</td>
<td>0</td>
<td>Leaning</td>
<td>Short Grass</td>
<td>Shot Shell</td>
<td>3</td>
<td>Did NOT LEAVE AREA Landed in middle of Lake Spenard</td>
</tr>
<tr>
<td>10:40</td>
<td>H 20</td>
<td>1</td>
<td>Sandhill</td>
<td>Wing Simulate</td>
<td>0</td>
<td>Leaning</td>
<td>Woodland</td>
<td>Shot Shell</td>
<td>1</td>
<td>Did NOT LEAVE AREA Landed in middle of Lake Spenard</td>
</tr>
<tr>
<td>10:42</td>
<td>H 20</td>
<td>7</td>
<td>Lesser Scamp</td>
<td>Hunting</td>
<td>0</td>
<td>Leaning</td>
<td>Runway</td>
<td>Cracker Shell</td>
<td>2</td>
<td>Did NOT LEAVE AREA Swam to middle of Lake Spenard</td>
</tr>
<tr>
<td>11:30</td>
<td>J 18</td>
<td>1</td>
<td>Moose</td>
<td>Hunting</td>
<td>0</td>
<td>Leaning</td>
<td>Runway</td>
<td>Cracker Shell</td>
<td>1</td>
<td>Called Ricch Simples</td>
</tr>
<tr>
<td>13:30</td>
<td>J 17</td>
<td>1</td>
<td>Moose</td>
<td>Vehicle Naze</td>
<td>0</td>
<td>Feeding</td>
<td>Long Grass</td>
<td>--</td>
<td>--</td>
<td>Shoot darted yellow #30 in right ear</td>
</tr>
</tbody>
</table>
Document and Report

http://wildlife-mitigation.tc.faa.gov/wildlife
Document and Report
Resources

Resources

- AC No: 150/5200-34A Construction or establishment of landfills near public airports 1/26/06
- AC No: 150/5200-33B Hazardous wildlife attractants on or near airports 8/28/2007
- AC No: 150/5200-32A Reporting wildlife strikes 12/22/04
Resources

- Certalert No. 04-16 Deer Hazard to Aircraft and Deer Fencing 12/13/2004
- Certalert No. 98-05 Grasses Attractive To Hazardous Wildlife 9/21/1998
- Certalert No. 04-09 Relationship Between FAA and Wildlife Services 8/30/04
- Certalert No. 02-06 Access to FAA Nat’l Wildlife Aircraft Strike Database 10/1/2002
- Certalert No. 03-03 Guidelines For Submitting Bird Strike Feather Remains For Identification 8/29/03
- Certalert No. 06-07 Requests by State Wildlife Agencies to Facilitate and Encourage Habitat for State - Listed Threatened and Endangered Species and Species of Special Concern on Airports Date: 11/21/06
- Certalert No. 09-10 Wildlife Hazard Assessments in Accordance with Part 139 Requirements 6/11/09
Resources


Training Opportunities

Airport Wildlife Management Techniques Course
June 29 - July 1, 2009

Airport Wildlife Manager's Course
September 21-23, 2009
Training Opportunities

http://www.birdstrike.org
## Resources

### MAC
- **John Ostrom**  
  (612) 726-5780  
  john.ostrom@mspmac.org
- **Jeff Mattson**  
  (612) 726-5111
- **Josh Paurus**  
  (612) 726-5111
- **Cor Wagner**  
  (612) 726-5111

### USDA Wildlife Services
- **Alan Schumacher**  
  (651) 224-6027  
  alan.k.schumacher@aphis.usda.gov
- **Gabe Dretsch**  
  (651) 224-6027
Conclusion

- You own the problem - Ignorance is not a defense
- Assessing the Situation
- Having a Plan
- Document and Report
- Use your Resources

- OFFER – Free Workshop
All Wildlife Can Create Aviation Hazards