

Starting From Scratch:

**Developing a Bird Strike
Control Program for Your
Airfield**

Dr. Nicholas Carter

Birdstrike Control Program

Director – CARSAMPAF

Israeli Air Force



The Most Important Feature

Don't Use 10
Don't Take
People
"Pieces" of People
Make it a 1/10th of
Their Job

Who Do You Get?

Use 1 Person
Make it Their
Only Job



One Person

Dedicated to the
Task of Wildlife
Control



Inventory of Wildlife

❖ What You Have =
What You Do

Risk
Assessment

❖ Problem Size =
Investment (\$ and effort)



What To Do?

Passive Techniques

- ❖ **Habitat Management**
- ❖ **Flight Scheduling**
- ❖ **Environmental Manipulation**







Clean Up and Remove Attractants

Active Techniques

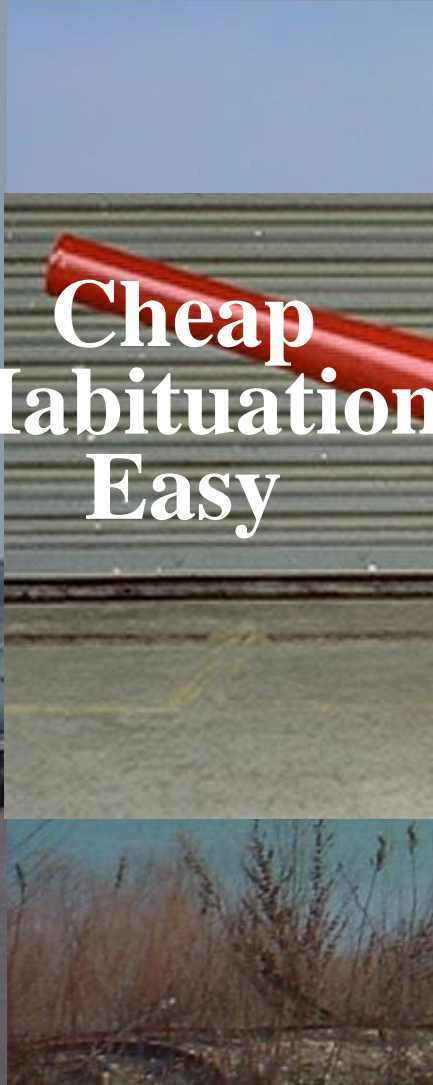
❖ Pyrotechnics

❖ Gas Cannons

❖ Models

❖ RCs

Cheap
Habituation
Easy



True Predators



Bobert Collins

Permitting

Griffon Vulture or
Turkey Vulture?

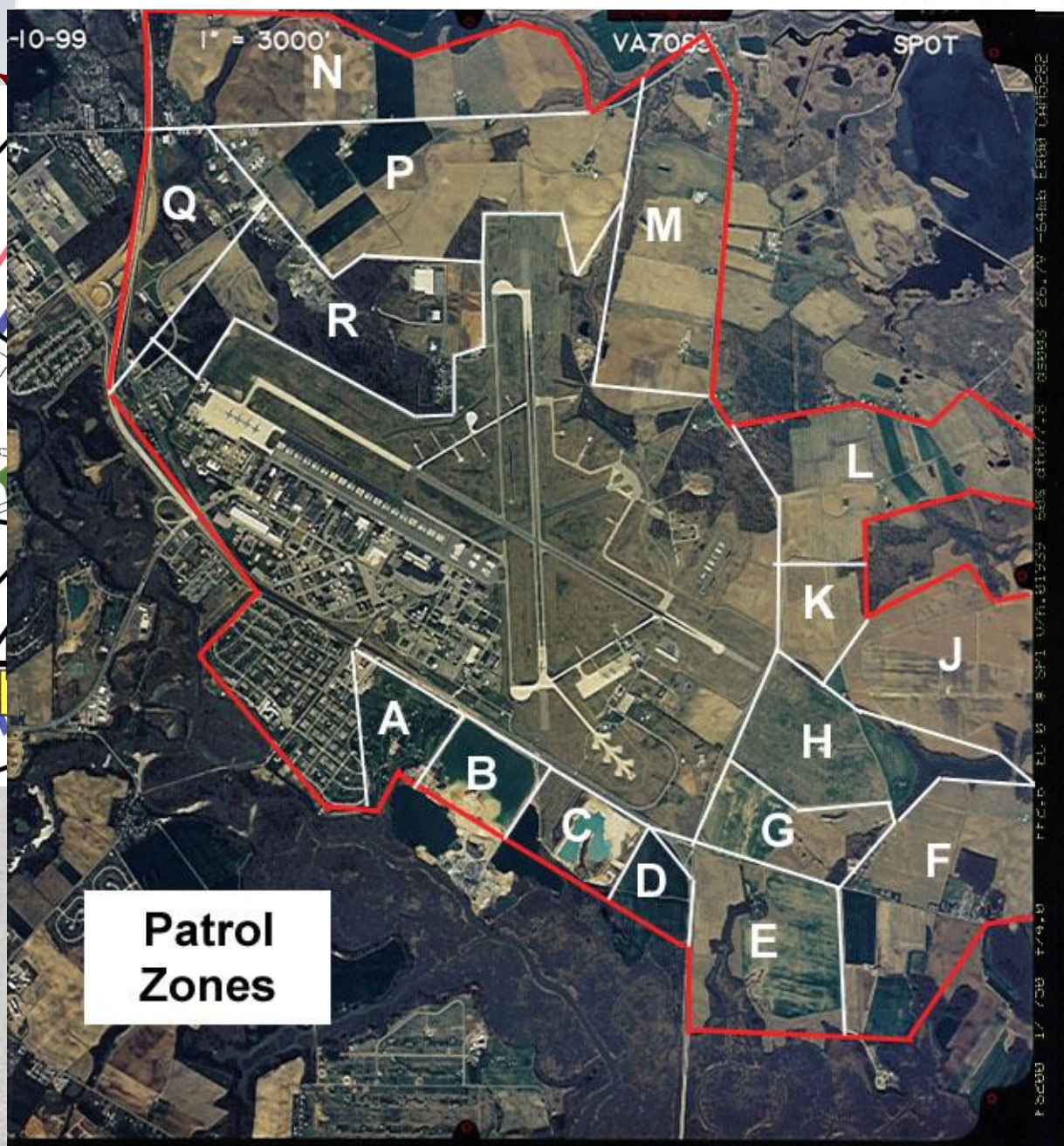
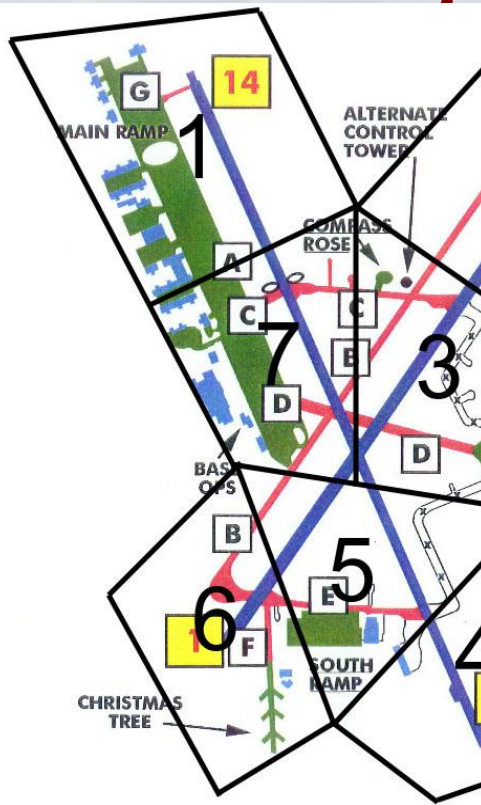


Habitat Control



BEWARE BIRDSTRIKE

Design and artwork by [unreadable] Graphics



Patrol Zones



AVIATION

GROUND

WEAPONS

MISHAP RATES

MY SAS

CREATE REPORT

RUN REPORTS

ADMINISTRATION

HELP/DOCS

BIRD/OTHER WILDLIFE STRIKE REPORT

<p>U.S. Department of Transportation Federal Aviation Administration</p>																									
1. Name of Operator	2. Aircraft Make/Model																								
4. Aircraft Registration	5. Date of Incident ____/____/____ Month Day Year																								
7. Airport Name	8. Runway Used																								
10. Height (AGL)	11. Speed (IAS)																								
12. Phase of Flight	13. Part(s) of Aircraft Struck or Damaged																								
<input type="checkbox"/> A. Parked <input type="checkbox"/> B. Taxi <input type="checkbox"/> C. Take-off Run <input type="checkbox"/> D. Climb <input type="checkbox"/> E. En Route <input type="checkbox"/> F. Descent <input type="checkbox"/> G. Approach <input type="checkbox"/> H. Landing Roll	<table border="1"> <thead> <tr> <th></th> <th>Struck</th> <th>Damaged</th> </tr> </thead> <tbody> <tr> <td>A. Radome</td> <td><input type="checkbox"/></td> <td></td> </tr> <tr> <td>B. Windshield</td> <td><input type="checkbox"/></td> <td></td> </tr> <tr> <td>C. Nose</td> <td><input type="checkbox"/></td> <td></td> </tr> <tr> <td>D. Engine No. 1</td> <td><input type="checkbox"/></td> <td></td> </tr> <tr> <td>E. Engine No. 2</td> <td><input type="checkbox"/></td> <td></td> </tr> <tr> <td>F. Engine No. 3</td> <td><input type="checkbox"/></td> <td></td> </tr> <tr> <td>G. Engine No. 4</td> <td><input type="checkbox"/></td> <td></td> </tr> </tbody> </table>		Struck	Damaged	A. Radome	<input type="checkbox"/>		B. Windshield	<input type="checkbox"/>		C. Nose	<input type="checkbox"/>		D. Engine No. 1	<input type="checkbox"/>		E. Engine No. 2	<input type="checkbox"/>		F. Engine No. 3	<input type="checkbox"/>		G. Engine No. 4	<input type="checkbox"/>	
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14. Effect on Flight	15. Sky Condition																								
<input type="checkbox"/> None <input type="checkbox"/> Aborted Take-Off <input type="checkbox"/> Precautionary Landing <input type="checkbox"/> Engines Shut Down <input type="checkbox"/> Other: (Specify)	<input type="checkbox"/> No Cloud <input type="checkbox"/> Some Cloud <input type="checkbox"/> Overcast																								
17. Bird/Other Wildlife Species	18. Number or birds seen and/or struck																								
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20. Pilot Warned of Birds <input type="checkbox"/> Yes <input type="checkbox"/> No																									
21. Remarks (Describe damage, injuries and other pertinent information)																									
DAMAGE / COST INFORMATION																									
22. Aircraft time out of service: _____ hours	23. Estimated cost of repairs or replacement (U.S. \$): \$ _____																								
Reported by (Optional)	Title																								
<p>Paperwork Reduction Act Statement: The information collected on this form is necessary to allow the FAA to determine the severity of the wildlife-aircraft strike problem in the U.S. The information is used in determining the best way to reduce the safety caused by wildlife-aircraft strikes. We estimate that it will take approximately 5 minutes to complete this form. For more information concerning the accuracy of this burden estimate and any suggestions for reducing this burden, contact the Paperwork Reduction Project Management Staff, ARP-10, 800 Independence Avenue, SW, Washington, DC 20591. The information collection is optional unless it is required by law, and a person is not required to respond to a collection of information unless it displays a valid control number associated with this collection is 2120-0045.</p>																									

CREATE REPORT

step 1

You are about to create a mishap report. In the next six steps you will enter the basic information required by this system.

HELP

Date of Mishap: 16 - AUG - 2005

Class: [Redacted]

Investigating Body: [Redacted]

Time of Mishap: [Redacted] [24HR Local] Unknown

Mishap Time of day: [Redacted]

CANCEL

CONTINUE

[1.1.1 BASIC MISHAP DATA]

YOU ARE HERE > Aviation > Investigate Mishap

Money Issues

❖ Who pays?

❖ Combining initiatives/
Resources

❖ Most bang for the buck

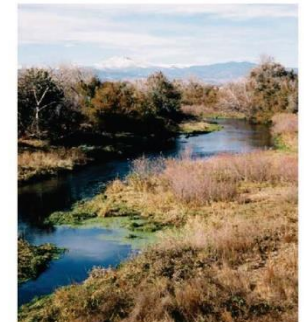
❖ Long-term vs.
short-term costs

❖ Personnel vs. Equipment

Writer

Wildlife Management Plan City of Longmont, Colorado

Department of Community Development
Parks and Open Space Division
Draft Final, February 2005



16 SOW BIRD AIRCRAFT STRIKE HAZARD (BASH) 91
01 Jun 04
OPR: 16 SOW/SE



BASH Plan / Management Plan