

The Federal Aviation Administration National Wildlife Strike Database

**2nd CAR/SAM Regional Bird
Hazard Prevention Committee,
1- 3 December 2004 Lima, Peru.**

Ed Cleary

FAA Staff Wildlife Biologist

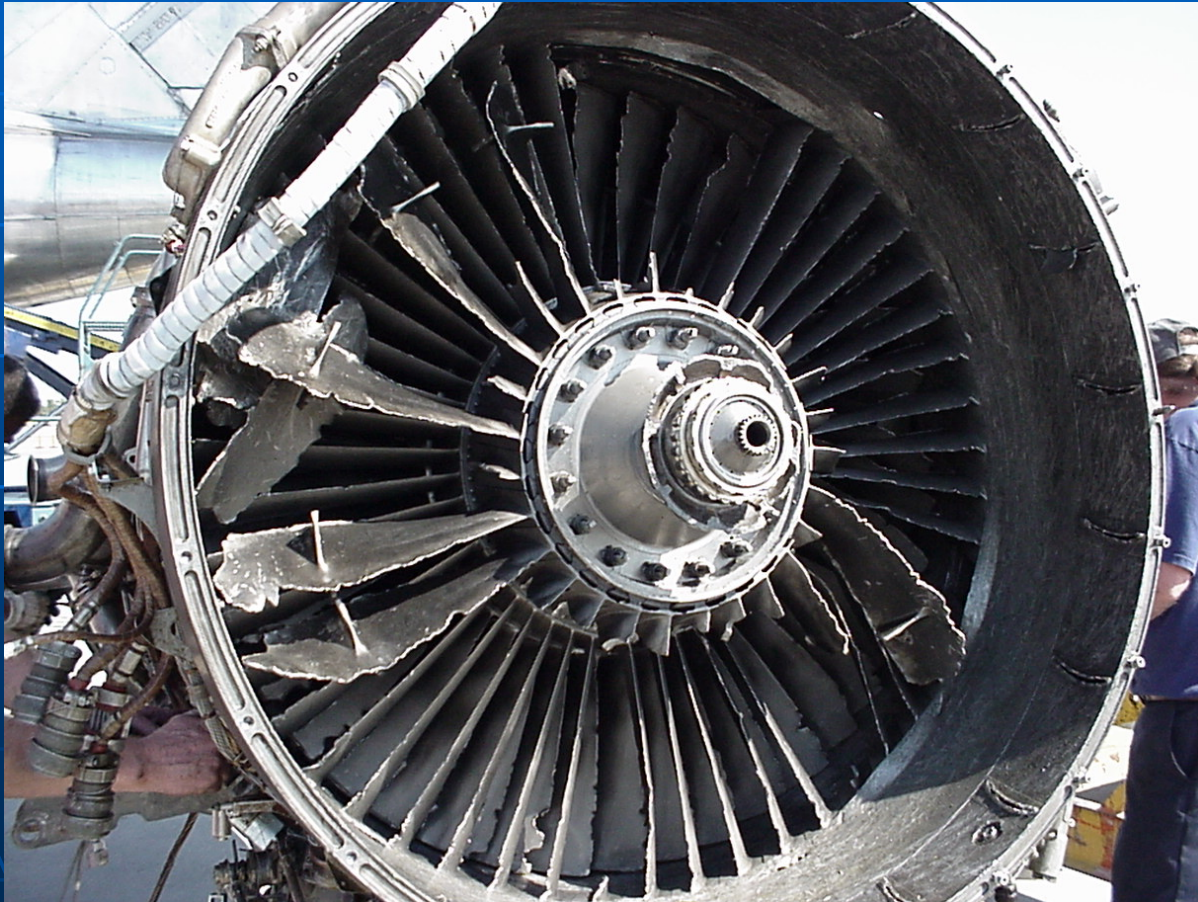
Sandra Wright

Database Manager

Allen Newman

Webmaster

PAST



Origin of Database [1960's]

The Washington Post Oct 5, 1960

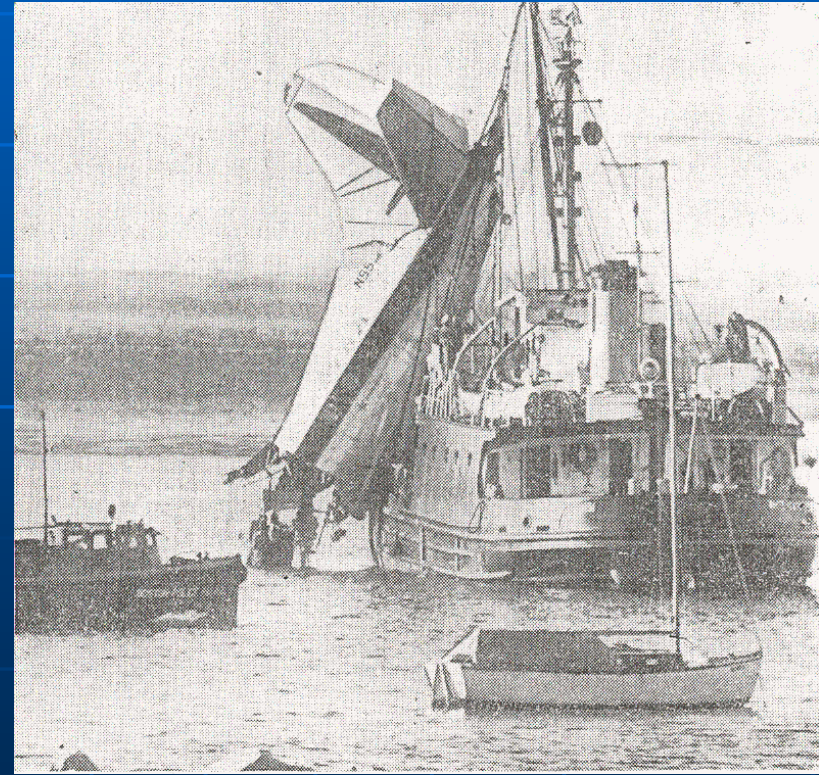
Airliner Crashes in Harbor at Boston:

**12 Known Survivors
Among 72 Aboard**

Turbo-prop Ditches on Takeoff

BOSTON, Oct. 4 (AP)

An Eastern airlines plane carrying 67 passengers and a crew of 5 flopped into Boston Harbor late today, only moments after leaving the runway...



ICAO Wildlife Strike Reporting Form

BIRD STRIKE REPORTING FORM

Send to: _____

Operator	Effect on Flight	
Aircraft Registration	<i>none</i>	G
Aircraft Make/Model	<i>aborted take-off</i>	G
Engine Make/Model	<i>precautionary landing</i>	G
Date day month year	<i>forced landing</i>	G
Local time	<i>vision obscured</i>	G
dawn G _A day G _B dusk G _C night G _D	<i>engines shut down</i>	G
Aerodrome Name	<i>fire</i>	G
Runway Used	<i>other (specify)</i>	G
Location if En Route	Sky Condition	
Height AGL	<i>no cloud</i>	G _A
Speed (IAS)	<i>some cloud</i>	G _B
Phase of Flight	<i>overcast</i>	G _C
<i>parked</i> G _A <i>en route</i> G _E	Precipitation	
<i>taxi</i> G _B <i>descent</i> G _F	<i>fog</i> G	
<i>take-off run</i> G _C <i>approach</i> G _G	<i>rain</i> G	
<i>climb</i> G _D <i>landing roll</i> G _H	<i>snow</i> G	
Part(s) of Aircraft	Bird Species*	
Struck Damaged	Number of Birds	
radome G G	Seen Struck	
windshield G G	1 G _A	
nose (excluding above)	2-10 G _B	
engine no. 1 G G	11-100 G _C	
2 G G	more G _D	G _D
3 G G	Size of Bird	
4 G G	<i>small</i> G _S	
propeller G G	<i>medium</i> G _M	
wing/rotor G G	<i>large</i> G _L	
fuselage G G	Pilot Warned of Birds	
landing gear G G	yes G _V no	
tail G G	Remarks (describe damage,	
lights G G	injuries and other pertinent	
antenna G G	information)	46/47
pitot/static G G	
tail rotor (helicopter)	
other (specify)	
	

SUPPLEMENTARY BIRD STRIKE REPORTING FORM OPERATOR COSTS AND ENGINE DAMAGE INFORMATION

A. BASIC DATA

Operator

Aircraft Registration

Aircraft Make/Model

Engine Make/Model

Date of strike day month year

Aerodrome/Location if known

B. COST INFORMATION

Aircraft time out of service

Estimated cost of repairs or replacement U.S.\$ (in thousands)

Estimated other costs (e.g. loss of revenue, fuel, hotels) U.S.\$ (in thousands)

C. SPECIAL INFORMATION ON ENGINE DAMAGE STRIKES

Engine position number	1	2	3	4
Reason for failure/shutdown				
<i>uncontained failure</i>	GA	GA	GA	GA
<i>fire</i>	GB	GB	GB	GB
<i>shutdown — vibration</i>	GC	GC	GC	GC
<i>shutdown — temperature</i>	GD	GD	GD	GD
<i>shutdown — fire warning</i>	GE	GE	GE	GE
<i>shutdown — other (specify)</i>	GY	GY	GY	GY
<i>shutdown — unknown</i>	Gz	Gz	Gz	Gz

Estimated percentage of thrust loss* — — — —

Estimated number of birds ingested — — — —

Bird species.

* These may be difficult to determine but even estimates are useful.

Send all bird remains including feather fragments to: _____

Reported by

Reported by

*Send all bird remains including feather fragments to: _____

(Optional)

Condition of Data [1960-1995]



FAA/USDA Agreement [1995]



Critical Errors Corrected [1995-1999]




BIRD / OTHER WILDLIFE STRIKE REPORT
U.S. Department of Transportation
Federal Aviation Administration

1. Name of Operator		2. Aircraft Make/Model		3. Engine Make/Model		
4. Aircraft Registration		5. Date of Incident ____/____/____ Month Day Year		6. Local Time of Incident <input type="checkbox"/> Dawn <input type="checkbox"/> Dusk — HR — MIN <input type="checkbox"/> Day <input type="checkbox"/> Night <input type="checkbox"/> AM <input type="checkbox"/> PM		
7. Airport Name		8. Runway Used		9. Location If En Route (Nearest Town/Reference & State)		
10. Height (AGL) feet		11. Speed (IAS) knots				
12. Phase of Flight <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		13. Part(s) of Aircraft Struck or Damaged				
		A. Radome		H. Propeller		
		B. Windshield		I. Wing/Rotor		
		C. Nose		J. Fuselage		
		D. Engine No. 1		K. Landing Gear		
		E. Engine No. 2		L. Tail		
		F. Engine No. 3		M. Lights		
		G. Engine No. 4		N. Other: (Specify)		
14. Effect on Flight <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)		15. Sky Condition <input type="checkbox"/> No Cloud <input type="checkbox"/> Some Cloud <input type="checkbox"/> Overcast		16. Precipitation <input type="checkbox"/> Fog <input type="checkbox"/> Rain <input type="checkbox"/> Snow <input type="checkbox"/> None		
17. Bird/Other Wildlife Species		18. Number of birds seen and/or struck			19. Size of Bird(s) <input type="checkbox"/> Small <input type="checkbox"/> Medium <input type="checkbox"/> Large	
		Number of Birds	Seen	Struck		
		1	<input type="checkbox"/>	<input type="checkbox"/>		
		2-10	<input type="checkbox"/>	<input type="checkbox"/>		
		11-100	<input type="checkbox"/>	<input type="checkbox"/>		
		more than 100	<input type="checkbox"/>	<input type="checkbox"/>		
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. \$): \$		24. Estimated other cost (U.S. \$) (e.g. loss of revenue, fuel, hotels): \$		
Reported by (Optional)		Title		Date		
Paperwork Reduction Act Statement: The information collected on this form is necessary to allow the Federal Aviation Administration to assess the magnitude and severity of the wildlife-aircraft strike problem in the U.S. The information is used in determining the best management practices for reducing the hazard to aviation safety caused by wildlife-aircraft strikes. We estimate that it will take approximately <u>5 minutes</u> to complete the form. The information collected is voluntary. Please note that an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The OMB control number associated with this collection is 2120-0045.						

Form 5200-7

Revised

[1997]

Conversion to Access and established electronic reporting [2001-2002]

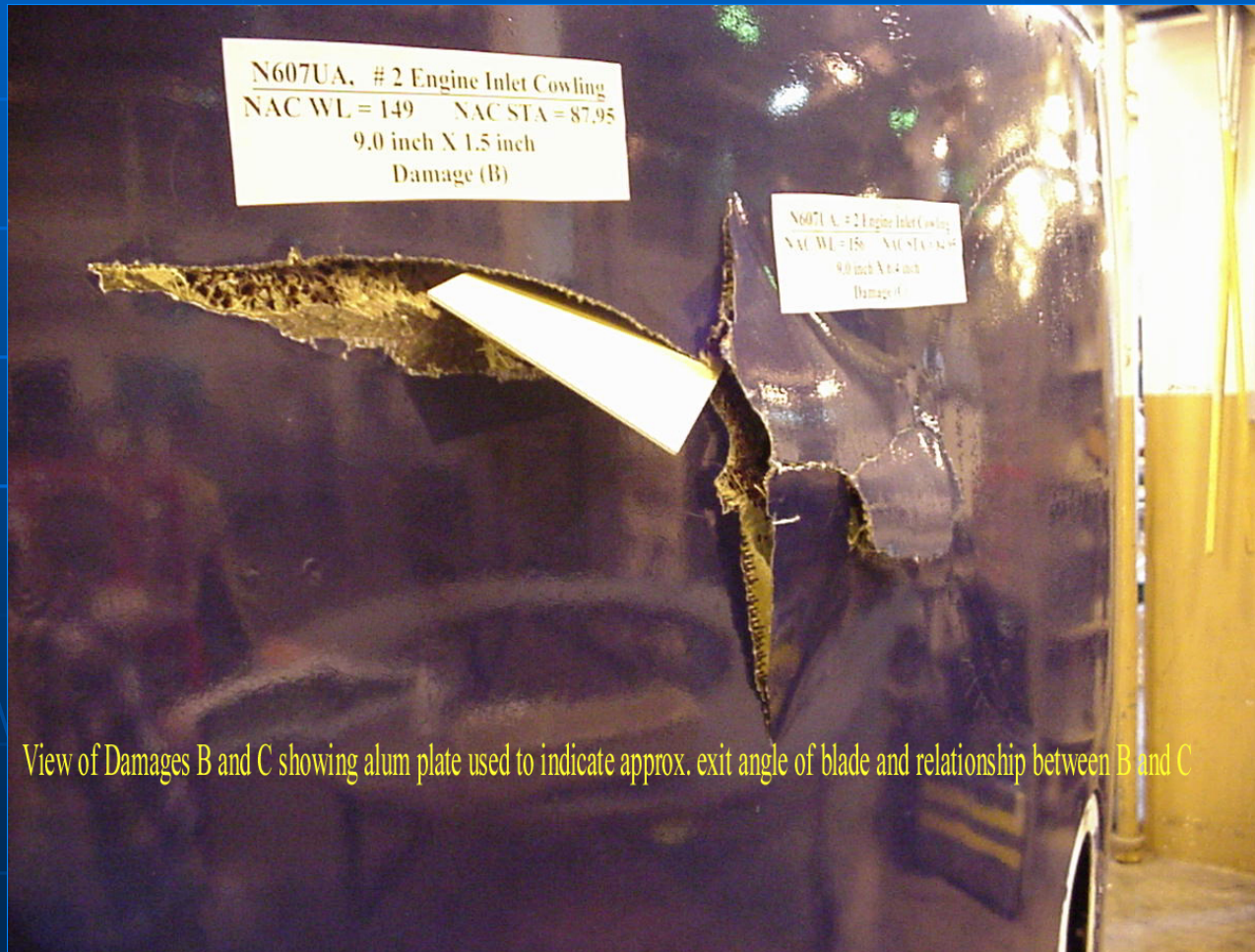


<http://wildlife-mitigation.tc.faa.gov>

Merged FAA and USAF BASH Data [2003]



Present



Home Page

<http://wildlife-mitigation.tc.faa.gov>

Airport Technology R & D Branch

Airport Wildlife Hazard Mitigation Home Page

The National Wildlife Strike Database
is now available ON-LINE
Click Here for Access.

Register to Receive
Items of Interest, Coming Events
and Community News...
CLICK HERE

**Guidelines for Submitting Birdstrike
Feather Remains for Identification** [CERTALERT 03-03](#)

The purpose of this site is to provide users with information that will allow them to better understand and practice wildlife hazard mitigation at airports through wildlife control.



FAA Form 5200-7

Click To Update an
Existing Strike Report

Memorandum of Agreement between the Federal Aviation Administration, the U.S. Air Force, the U.S. Army, the U.S. Environmental Protection Agency, the U.S. Fish and Wildlife Service, and the U.S. Department of Agriculture to Address Aircraft-Wildlife Strikes. This Memorandum of Agreement (MOA) acknowledges each signatory agency's respective missions. Through this MOA, the agencies establish procedures necessary to coordinate their missions to more effectively address existing and future environmental conditions contributing to aircraft-wildlife strikes throughout the United States. These efforts are intended to minimize wildlife risks to aviation and human safety, while protecting the Nation's valuable environmental resources

Form 5200-7 - Electronic

BIRD/OTHER WILDLIFE STRIKE REPORT

Form Approved OMB NO. 2120-0045

1. Name of Operator <input type="text"/>	2. Aircraft Make/Model <input type="text"/>	3. Engine Make/Model <input type="text"/>																								
4. Aircraft Registration <input type="text"/>	5. Date of Incident <input type="text"/> / <input type="text"/> / <input type="text"/> mm dd yyyy	6. Local Time of Incident <input type="checkbox"/> Dawn <input type="checkbox"/> Dusk <input type="text"/> Hr <input type="text"/> Min <input type="checkbox"/> Day <input type="checkbox"/> Night <input type="checkbox"/> AM <input type="checkbox"/> PM																								
6A. Flight Number <input type="text"/>	6B. Wildlife/Bird Remains: <input type="checkbox"/> Collected <input type="checkbox"/> Sent to Smithsonian																									
7. Airport Name <input type="text"/>	8. Runway Used <input type="text"/>	9. Location if En Route <i>(Nearest Town/Reference & State)</i> <input type="text"/>																								
10. Height (AGL) <input type="text"/> ft	11. Speed (IAS) <input type="text"/> kts																									
12. Phase of Flight <input type="checkbox"/> A. Parked <input type="checkbox"/> B. Taxi <input type="checkbox"/> C. Take-off Run	13. Part(s) of Aircraft Struck or Damaged <table><thead><tr><th></th><th>Struck</th><th>Damaged</th></tr></thead><tbody><tr><td>A. Radome</td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr><tr><td>B. Windshield</td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr><tr><td>C. Nose</td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr></tbody></table>		Struck	Damaged	A. Radome	<input type="checkbox"/>	<input type="checkbox"/>	B. Windshield	<input type="checkbox"/>	<input type="checkbox"/>	C. Nose	<input type="checkbox"/>	<input type="checkbox"/>	13. (Con't) <table><thead><tr><th></th><th>Struck</th><th>Damaged</th></tr></thead><tbody><tr><td>H. Propeller</td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr><tr><td>I. Wing/Rotor</td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr><tr><td>J. Fuselage</td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr></tbody></table>		Struck	Damaged	H. Propeller	<input type="checkbox"/>	<input type="checkbox"/>	I. Wing/Rotor	<input type="checkbox"/>	<input type="checkbox"/>	J. Fuselage	<input type="checkbox"/>	<input type="checkbox"/>
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J. Fuselage	<input type="checkbox"/>	<input type="checkbox"/>																								

Form 5200-7 Submittal Notification

Subject: **Strike Report Submittal Notification**

From: [A. R. Newman <newmana@erau.edu>](mailto:newmana@erau.edu)

Date: 9:39 AM

Strike Report Submittal:

Confirmation Number: 2003-10-27-093941

Distributed To: Ed Cleary/FAA, Sandra Wright/USDA


Enter <http://wildlife.pr.erau.edu/strikeform/reports/review.pl?2003-10-27-093941> for a formatted review of this Strike Report

-or-

Enter <http://wildlife.pr.erau.edu/strikeform/review.html> for a menu of current Strike Reports from which you may select this Strike Report. Make a note of the Confirmation Number.

The following is a Quick Look of the transmitted data:

Operator=The Limited Flight Dept.
Aircraft=CRJ2
Engine=
Registration=NS01LS
Incident_Month=10
Incident_Day=25
Incident_Year=2003
Incident_Hour=08
Incident_Minute=20
Incident_Daytime=on



Enters in Database

Master Database – Off Line

Federal Aviation Administration

Review an Existing Report

Enter a New Strike Report

Import Electronic Reports

Query Search Criteria Help

Earliest 1/3/1990 Latest 7/31/2004 Number 62,756
of Strike Report(s) in Database

FAA
National Wildlife Strike Database



Version 5.01


Designed By A R Newman
Embry-Riddle Aeronautical University
Prescott, AZ

Continue

Records Tools Window Help



ACCESS Data Entry Form (Partial View)

 **NEW STRIKE REPORT DATA ENTRY/INTERNET E-REPORT INTERFACE**

OPERATOR AIRCRAFT ENGINE

OPERATOR ID INCIDENT DATE TIME OF DAY AM PM TIME (24 Hr)

AIRCRAFT TYPE Get Database Values AMA AMO EMA EMO
Use Database Values AMA AMO EMA EMO

REGISTRATION FLIGHT NR WILDLIFE/BIRD REMAINS COLLECTED SENT TO SMITH'S N

AIRPORT CODE RUNWAY DAMAGE

AIRPORT HEIGHT SPEED

OR

ENROUTE STRUCK DAMAGED STRUCK DAMAGED

PHASE OF FLT RADOME RADOME PROPELLER PROPELLER

LOCATION/ENROUTE WINDSHIELD WINDSHIELD WING/ROTOR WING/ROTOR

On-Line Database Access


The Federal Aviation Administration
Home Site Map DOT Ask FAA Search

Airport Technology R & D Branch

Airport Wildlife Hazard Mitigation Home Page

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Memorandum of Agreement between the Federal Aviation Administration, the U.S. Air Force, the U.S. Army, the U.S. Environmental Protection Agency, the U.S. Fish and Wildlife Service, and the U.S. Department of Agriculture to Address

On-Line Database Access

Access to the FAA National Wildlife Strike Database

- [Area P - Public Access](#) 

Authorized Personnel Only
(All require Usernames and Passwords)

- [Area 51](#)
 - [Authorized FAA Personnel](#)
 - [Authorized Airport Personnel](#)
- [Authorized Operator \(Airline\) Personnel](#)
- [Authorized Wildlife Services Personnel](#)
- [Authorized Engine Manufacturer Personnel](#)
- [Authorized Airframe Manufacturer Personnel](#)

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If you have any questions, comments, input or concerns regarding this web site, please mail [A. R. Newman, Webmaster](#) (928) 777-3947. Questions, comments and concerns regarding the scope or content should be directed to [Michel Hovan, Project Manager](#) FAA Technical Center, Atlantic City, NJ.

Public Access

National Wildlife Strike Database ON-LINE

Please select one of the following:

- [Strike Summary by Wildlife Species and State](#)
- [Strike Summary by Wildlife Species and State by Year](#)



Every effort has been made to obtain satisfactory viewing results with the latest versions of Netscape and MS Internet Explorer. In the unlikely event you obtain less than satisfactory viewing results, please advise the Webmaster (below) as to what screen you were viewing and the browser/version you were using. In addition, any suggestions and/or comments are solicited and may be sent to [A. R. Newman, Webmaster](#).

Return To
[FAA Wildlife Hazard Mitigation Home Page](#)
[ERAU \(Mirror\) Wildlife Hazard Mitigation Home Page](#)


Public Access Query Select


FAA
National Wildlife Strike Database Query Select
(Summary of Strikes by Species and State by Year)

Latest Report: 07-31-2003
Earliest Report: 01-03-1990
Last Update: 10-16-2003

Reports in Database: 52,759


Select One of Each of the Following:

Species 

State 

Don't show instructions in future sessions.

If you haven't done so already, please take a few moments and complete an [Evaluation](#) of this site. If this is your first usage, you'll be able to return here after your queries are completed.



Public Access Query Results

FAA National Wildlife Strike Database Query Results

Species: CANADA GOOSE
State: ALL
Years: ALL

Year	Species	State	Strikes	Total US Strikes
1990	CANADA GOOSE	ALL	28	1990
1991	CANADA GOOSE	ALL	29	2410
1992	CANADA GOOSE	ALL	31	2536
1993	CANADA GOOSE	ALL	40	2581
1994	CANADA GOOSE	ALL	53	2684
1995	CANADA GOOSE	ALL	51	2775
1996	CANADA GOOSE	ALL	49	3027
1997	CANADA GOOSE	ALL	45	3627
1998	CANADA GOOSE	ALL	78	4036
1999	CANADA GOOSE	ALL	72	5241

FAA Personnel Access

Access to the FAA National Wildlife Strike Database

- [Area P - Public Access](#)

Authorized Personnel Only
(All require Usernames and Passwords)

- [Area 51](#)
- [Authorized FAA Personnel](#) ←
- [Authorized Airport Personnel](#)
- [Authorized Operator \(Airline\) Personnel](#)
- [Authorized Wildlife Services Personnel](#)
- [Authorized Engine Manufacturer Personnel](#)
- [Authorized Airframe Manufacturer Personnel](#)

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FAA Personnel Query Select

FAA National Wildlife Strike Database Query Select (Authorized FAA Personnel)

Reports in Database: 52,759

Select One (or More) Criteria of Interest:

Date(s)

From: Month Day Year
To: Month Day Year

Airport

or

Airport Code

(US Airport Codes are preceded with a "K" or "P".)

State

or

FAA Region

← Selections (as desired)

Operator

Aircraft

Species

Word/Phrase in Remarks

Viewing Options:

Hits Ordered By

FAA Personnel Query Summary Results

FAA National Wildlife Strike Database Query Results

Selected Search Criteria:

From: JAN 1 2002 To: DEC 31 2002

Airport: CHICAGO OHARE INTL Operator: UNITED AIRLINES Aircraft: All

State: All FAA Region: All

Species: All

Word/Phrase in Remarks: None

Hits Ordered By: Date Ordering: Ascending

Max Hits: 500

Number of Reports Found: 68

Number of Reports Returned: 68

Click Incident Date to View Individual Strike Report (Bolded Date Indicates Reported Damage on Form 5200-7)

[Click For Info to Download Individual Strike Reports into EXCEL for a more detailed Analysis.](#)

Incident Date	Airport	State	FAA Region	Operator	Aircraft	Damage Code*	Species**
01-14-2002	CHICAGO OHARE INTL	IL	AGL	UNITED AIRLINES	B-757-200	N	UNKNOWN BIRD
01-17-2002	CHICAGO OHARE INTL	IL	AGL	UNITED AIRLINES	B-767-300	N	UNKNOWN BIRD

Review Individual Report

FAA NATIONAL WILDLIFE STRIKE DATABASE INDIVIDUAL STRIKE REPORT				
Incident Date: 01-14-2002	Operator ID: UAL	Operator: UNITED AIRLINES		ACCESS Ref Nr: 40324
Aircraft Type: B-757-200	A/C Make: 148	A/C Model: 26	Eng Make: 34	Eng Model: 31
Registration: N566UA	Time of Day:	Time:	Runway: 22R	Damage Code*: N
Flight Nr: 321	Height:	Speed:	Location Enroute:	
Airport Code: KORD	Airport: CHICAGO OHARE INTL		State: IL	FAA Region: AGL
	Struck		Damaged	
	Radome	<input type="checkbox"/>	Radome	<input type="checkbox"/>
	Windshield	<input type="checkbox"/>	Windshield	<input type="checkbox"/>
	Nose	<input checked="" type="checkbox"/>	Nose	<input type="checkbox"/>
	Engine #1	<input type="checkbox"/>	Engine #1	<input type="checkbox"/>
	Engine #2	<input type="checkbox"/>	Engine #2	<input type="checkbox"/>
	Engine #3	<input type="checkbox"/>	Engine #3	<input type="checkbox"/>
	Engine #4	<input type="checkbox"/>	Engine #4	<input type="checkbox"/>
	Birds Ingested	<input type="checkbox"/>		
	Struck		Damaged	
Propellor	<input type="checkbox"/>	Propellor	<input type="checkbox"/>	
Wing/Rotor	<input type="checkbox"/>	Wing/Rotor	<input type="checkbox"/>	
Fuselage	<input type="checkbox"/>	Fuselage	<input type="checkbox"/>	
Ldg Gear	<input type="checkbox"/>	Ldg Gear	<input type="checkbox"/>	
Tail	<input type="checkbox"/>	Tail	<input type="checkbox"/>	
Lights	<input type="checkbox"/>	Lights	<input type="checkbox"/>	
Other	<input type="checkbox"/>	Other	<input type="checkbox"/>	
		Other (Specify):		

Download Query Results for Additional Analysis

11-26-2002	CHICAGO OHARE INTL	IL	AGL	UNITED AIRLINES	A-320	M	UNKNOWN BIRD
11-26-2002	CHICAGO OHARE INTL	IL	AGL	UNITED AIRLINES	A-320	M	UNKNOWN BIRD

* **Damage Codes (Civilian)** - N (None), M (Minor), M? (Damage, but extent unknown), S (Substantial) and D (Destroyed).
Damage Codes (Military) - Class A (Over \$1,000,000), Class B (\$200,000 - 1,000,000), Class C (\$20,000 - \$200,000).
See [Memorandum of Agreement \(Glossary\)](#) for exact definitions of damage codes.

** **Species** - For additional information on various species, please see [The North American Breeding Bird Survey Results and Analysis, 1966 - 2002](#).

[Download Data File](#) which contains all of the above Strike Reports suitable for importing into EXCEL (or other spreadsheet program). File format is tab-delimited with field names being the first record.

Return To
[Wildlife Strike Database Query Select](#)

Download Query Results for Additional Analysis

<http://wildlife.pr.erau.edu/database/levelonesummary39.xls> [Read-Only]

	A	B	C	D	E	F	G	H	I	J
1	Find Nr	Operator ID	Operator	A/C Type	AMA	AMO	EMA	EMO	Registratio	Flt Nr
2	40324	UAL	UNITED AIRLINES	B-757-200	148	26	34	31	N566UA	
3	40341	UAL	UNITED AIRLINES	B-767-300	148	98	34	46	N666UA	
4	40411	UAL	UNITED AIRLINES	B-767-300	148	98	34	46	N654UA	
5	40725	UAL	UNITED AIRLINES	A-320	04A	3	23	1	N405UA	
6	40808	UAL	UNITED AIRLINES	A-319	04A	6	23	1	N835UA	
7	40995	UAL	UNITED AIRLINES	B-737-500	148	33	10	1	N946UA	
8	41021	UAL	UNITED AIRLINES	B-737-300	148	24	10	1	N316UA	18
9	41141	UAL	UNITED AIRLINES	B-737-300	148	24	10	1	N352UA	
10	41196	UAL	UNITED AIRLINES	B-737-300	148	24	10	1	N337UA	11
11	41631	UAL	UNITED AIRLINES	A-319	04A	6	23	1	N815UA	
12	41658	UAL	UNITED AIRLINES	A-319	04A	6	23	1	N812UA	
13	41693	UAL	UNITED AIRLINES	B-777-200	148	40	34	46	N220UA	2
14	41830	UAL	UNITED AIRLINES	A-320	04A	3	23	1	N470UA	
15	41841	UAL	UNITED AIRLINES	B-737-300	148	24	10	1	N310UA	11
16	41889	UAL	UNITED AIRLINES	B-737-300	148	24	10	1	N308UA	
17	41913	UAL	UNITED AIRLINES	A-319	04A	6	23	1	N821UA	2
18	41987	UAL	UNITED AIRLINES	B-737-300	148	24	10	1	N203UA	
19	42059	UAL	UNITED AIRLINES	B-767-300	148	98	34	46	N664UA	
20	42097	UAL	UNITED AIRLINES	A-319	04A	6	23	1	N831UA	
21	42108	UAL	UNITED AIRLINES	A-320	04A	3	23	1	N466UA	
22	42605	UAL	UNITED AIRLINES	A-320	04A	3	23	1	N468UA	
23	42687	UAL	UNITED AIRLINES	B-737-300	148	24	10	1	N356UA	
24	42814	UAL	UNITED AIRLINES	B-747-400	148	34	34	46	N109UA	

Other Users Database Access

(Airport, Airline, Wildlife Services, Engine & Airframe Personnel)

Access to the FAA National Wildlife Strike Database

- [Area P - Public Access](#)

Authorized Personnel Only
(All require Usernames and Passwords)

- [Area 51](#)
 - [Authorized FAA Personnel](#)
 - [Authorized Airport Personnel](#) 
 - [Authorized Operator \(Airline\) Personnel](#)
 - [Authorized Wildlife Services Personnel](#)
 - [Authorized Engine Manufacturer Personnel](#)
 - [Authorized Airframe Manufacturer Personnel](#)

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Other Users Database Access

(Airport, Airline, Wildlife Services, Engine & Airframe Personnel)

National Wildlife Strike Database ON-LINE

If you already have a password, click the appropriate entrance below:

- [Authorized Airport Personnel](#) - Password Required 
- [Authorized Operator \(Airline\) Personnel](#) - Password Required
- [Authorized Wildlife Services Personnel](#) - Password Required (See below)
- [Authorized Engine Manufacturer Personnel](#) - Password Required
- [Authorized Airframe Manufacturer Personnel](#) - Password Required

To be assigned a password, please contact Mr. Ed Cleary (202) 267-3389 or by email at ed.cleary@faa.gov. If by email, please include your organization, title, and telephone number. Also refer to [CERTALERT 02-06](#) for additional information.

Wildlife Services Personnel (State Directors) have pre-assigned passwords. These personnel should contact Ms. Sandra Wright (419) 621-9440 or by email at sandra.e.wright@usda.gov.

Airport Personnel Access

FAA
National Wildlife Strike Database Login
(Authorized Airport Personnel)

Select **Only One** of the Below and Enter the Appropriate Password:

<p>Airport</p> <input type="text" value="CHICAGO OHARE INTL"/>	<p>OR</p>	<p>4 Ltr Airport Code</p> <input type="text" value="Select"/> <small>(US Airport Codes are preceded with either a "K" or "P".)</small>
---	------------------	--

Password

NEW Check if you wish Airport and Password remembered.

Note: If an Airport is not included in the pulldown list, there were no reported strikes for that Airport.

If you haven't done so already, please take a few moments and complete an [Evaluation](#) of this site. If this is your first usage, you'll be able to return here after your queries are completed.

Airport Personnel Query Select

FAA National Wildlife Strike Database Query Select (Authorized Airport Personnel)

For Selected Airport: CHICAGO OHARE INTL

Latest Report: 07-28-2003

Earliest Report: 04-27-1990

Last Update: 10-15-2003

Database: Version 4.0 B dated 10-17-2003

Total Reports in Database: 52,759

Reports in Database for Selected Airport: 1,483

Select Only Those Criteria of Interest:

Airport Airport Code

Date(s)

From: Month Day Year

To: Month Day Year

Aircraft

Viewing Options:

Hits Ordered By

Ordering

Airport Personnel Query Summary Results

FAA National Wildlife Strike Database Query Results

Selected Search Criteria:

Airport: CHICAGO OHARE INTL

From: JAN 1 2002 To: DEC 31 2002

Aircraft: All

Hits Ordered By: Date Ordering: Ascending

Number of Reports Returned: 150

[Click Incident Date to View Individual Strike Report.](#)

[Click For Info to Download Individual Strike Reports into EXCEL for a more detailed Analysis.](#)

Incident Date	Airport	Aircraft	R'way	Damage Code*	Species**
01-14-2002	CHICAGO OHARE INTL (KORD)	B-757-200	22R	N	UNKNOWN BIRD
01-17-2002	CHICAGO OHARE INTL (KORD)	B-767-300		N	UNKNOWN BIRD
01-29-2002	CHICAGO OHARE INTL (KORD)	B-767-300	9R	N	UNKNOWN BIRD

Airport Personnel Strike Report Review

FAA NATIONAL WILDLIFE STRIKE DATABASE INDIVIDUAL STRIKE REPORT (Short Form A)				
Incident Date: 01-14-2002	Time of Day:	Time:	Damage Code*: N	Ref Nr: 40324
Aircraft Type: B-757-200	Runway: 22R	Height:	Speed:	
Airport Code: KORD	Airport: CHICAGO OHARE INTL			
Phase of Flt: APPROACH	Effect on Flight:	Other Effect:	Sky:	Precipitation:
Species**: UNKNOWN BIRD	Nr Seen: 1	Nr Struck: 1	Size:	
Remarks: ON FINAL, BIRD IHT LWR RT FRONT OF NOSE. ENG OPS NORMAL. INSPN.				

* Damage Codes (Civilian) - N (None), M (Minor), M? (Damage, but extent unknown), S (Substantial) and D (Destroyed).
Damage Codes (Military) - Class A (Over \$1,000,000), Class B (\$200,000 - 1,000,000), Class C (\$20,000 - \$200,000).
See [Memorandum of Agreement \(Glossary\)](#) for exact definitions of damage codes.

** Species - For additional information on various species, please see [The North American Breeding Bird Survey Results and Analysis, 1966 - 2002](#).

Airport Personnel Download Query Results for Additional Analysis

12-23-2002	CHICAGO OHARE INTL (KORD)	UNKNOWN	9R		RED-TAILED HAWK
12-31-2002	CHICAGO OHARE INTL (KORD)	CL-RJ100/200	32L	N	GEESE

* **Damage Codes (Civilian)** - N (None), M (Minor), M? (Damage, but extent unknown), S (Substantial) and D (Destroyed).
Damage Codes (Military) - Class A (Over \$1,000,000), Class B (\$200,000 - 1,000,000), Class C (\$20,000 - \$200,000).
See [Memorandum of Agreement \(Glossary\)](#) for exact definitions of damage codes.

** **Species** - For additional information on various species, please see [The North American Breeding Bird Survey Results and Analysis, 1966 - 2002](#).

[Download Data File](#) which contains all of the above Strike Reports suitable for importing into EXCEL (or other spreadsheet program). File format is tab-delimited with field names being the first record.

Return To
[Wildlife Strike Database Query Select](#)

Other Users Database Access

(Airport, Airline, Wildlife Services, Engine & Airframe Personnel)

Access to the FAA National Wildlife Strike Database

- [Area P - Public Access](#)

Authorized Personnel Only (All require Usernames and Passwords)

- [Area 51](#)
 - [Authorized FAA Personnel](#)
 - [Authorized Airport Personnel](#)
 - [Authorized Operator \(Airline\) Personnel](#)
 - [Authorized Wildlife Services Personnel](#)
 - [Authorized Engine Manufacturer Personnel](#)
 - [Authorized Airframe Manufacturer Personnel](#)

Similar to Airport Personnel Access

This site you are viewing, and a mirror of this site at <http://wildlife.pr.erau.edu>, are maintained by [Embry-Riddle Aeronautical University, Prescott AZ](#). Please note, or preferably bookmark, this mirror site and in the event you cannot access the primary site you are now viewing, please access the above mirror site.

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On-Line Community Registration

Airport Technology R & D Branch

Airport Wildlife Hazard Mitigation Home Page

The National Wildlife Strike Database
is now available ON-LINE
Click Here for Access.

Register to Receive
Items of Interest, Coming Events
and Community News...
CLICK HERE



Guidelines for Submitting Birdstrike
Feather Remains for Identification [CERTALERT 03-03](#)

The purpose of this site is to provide users with information that will allow them to better understand and practice wildlife hazard mitigation at airports through wildlife control.

Memorandum of Agreement between the Federal Aviation Administration, the U.S. Air Force, the U.S. Army, the U.S. Environmental Protection Agency, the U.S. Fish and Wildlife Service, and the U.S. Department of Agriculture to Address Aircraft-Wildlife Strikes. This Memorandum of Agreement (MOA) acknowledges each signatory



Click
for On-Line

On-Line Community Registration

Wildlife Hazard Mitigation Home Page

Wildlife Hazard Mitigation Web Site Registration - Mi...

To Register With Us, Please Provide Your:

Name

Organization (Optional)

E-Mail

Click for On-Line

the U.S. Department of Agric
Aircraft-Wildlife Strikes. This
Agreement (MOA) acknowledges

Receives email notification of events and items of interest to our community.

“One-Stop” Strike Reporting

- To reduce the burden of double reporting (One report to the FAA and, in many cases, another report to submitter’s organization), “One Stop” Strike Reporting has been implemented.**
- Currently implemented for Southwest Airlines and Delta Airlines – When FAA Form 5200-7 is submitted on-line for entry into FAA Database,an email (similar to Quick-look Notification E-mail) is automatically echoed to submitter’s organization. Submitter’s organization may, if desired, process automatically in their computer system or enter manually. In either case, submitter makes one report.**
- Antidotal evidence indicates more reports submitted for that organization.**

Use of Database



Annual Reports



U. S. DEPARTMENT
OF TRANSPORTATION
FEDERAL AVIATION
ADMINISTRATION

WILDLIFE STRIKES TO CIVIL AIRCRAFT IN THE UNITED STATES 1990-2002



U. S. DEPARTMENT
OF AGRICULTURE
ANIMAL AND PLANT
HEALTH INSPECTION
SERVICE
WILDLIFE SERVICES



FEDERAL AVIATION ADMINISTRATION
NATIONAL WILDLIFE STRIKE DATABASE
SERIAL REPORT NUMBER 9

REPORT PREPARED BY
EDWARD C. CLEARY — RICHARD A. DOLBEER — SANDRA E. WRIGHT

REPORT OF THE ASSOCIATE ADMINISTRATOR OF AIRPORTS
OFFICE OF AIRPORT SAFETY AND STANDARDS
AIRPORT SAFETY & CERTIFICATION
WASHINGTON, DC

MAY 2003



U. S. DEPARTMENT

WILDLIFE STRIKES TO CIVIL AIRCRAFT IN THE UNITED STATES 1990-2001



FEDERAL AVIATION ADMINISTRATION
NATIONAL WILDLIFE STRIKE DATABASE
SERIAL REPORT NUMBER 8

REPORT PREPARED BY
EDWARD C. CLEARY — RICHARD A. DOLBEER — SANDRA E. WRIGHT

REPORT OF THE ASSOCIATE ADMINISTRATOR OF AIRPORTS
OFFICE OF AIRPORT SAFETY AND STANDARDS
AIRPORT SAFETY & CERTIFICATION
WASHINGTON, DC

JUNE 2002



WILDLIFE STRIKES TO CIVIL AIRCRAFT IN THE UNITED STATES 1990-2000



FEDERAL AVIATION ADMINISTRATION
NATIONAL WILDLIFE STRIKE DATABASE
SERIAL REPORT NUMBER 7

REPORT PREPARED BY
EDWARD C. CLEARY — SANDRA E. WRIGHT — RICHARD A. DOLBEER

REPORT OF THE ASSOCIATE ADMINISTRATOR OF AIRPORTS
OFFICE OF AIRPORT SAFETY AND STANDARDS
AIRPORT SAFETY & CERTIFICATION
WASHINGTON, DC

JANUARY 2002

WILDLIFE STRIKES TO CIVIL AIRCRAFT IN THE UNITED STATES 1990-1999



FEDERAL AVIATION
ADMINISTRATION
NATIONAL WILDLIFE STRIKE DATABASE
SERIAL REPORT NUMBER 6

REPORT PREPARED BY
EDWARD C. CLEARY — SANDRA E. WRIGHT — RICHARD A. DOLBEER

REPORT OF THE ASSOCIATE ADMINISTRATOR OF AIRPORTS
OFFICE OF AIRPORT SAFETY AND STANDARDS
AIRPORT SAFETY & CERTIFICATION
WASHINGTON, DC

JANUARY 2000

Wildlife Hazard Assessments

Airports are required to conduct Wildlife Hazard Assessment when specific wildlife events occur.



Strike Histories of Airports

Portland International Airport

- 589 strikes 1990-2002
- 441 strikes under 500' AGL
- 60 with damage
- 202 strikes with unknown birds
- 42 birds identified to species

Justification of Wildlife Management Actions

Rocky Mountain News Thurs. Nov. 23, 1995

BIOLOGISTS TO KILL DEER AT PHILLY AIRPORT

Philadelphia (AP) - Wildlife biologists from the US Department of Agriculture have launched a two week assault on the deer...

A scientist at the Humane Society of the U.S. called the shoot an unfortunate necessity. "We are not going to take the stand that we should be risking jumbo jets to save some deer..." said...

Justification of Wildlife Management Actions



LANDFILL CONTROVERSY IN NORTH DAKOTA

Examples of a Significant Strike

- Date: Oct 19, 2002
- Location: Boston Logan Intl.
- Aircraft: B-767
- Phase of flight: Climb (200' AGL)
- Effect on flight: Engine shut down, precautionary landing
- Damage: Engine, landing lights
- Wildlife Species: Double-crested cormorants
- Comments: After ingesting at least 1 bird, the engine surged, stalled and began to smoke. There was heavy fan blade damage. Cost of repairs was \$1.7 million.

FUTURE ISSUES



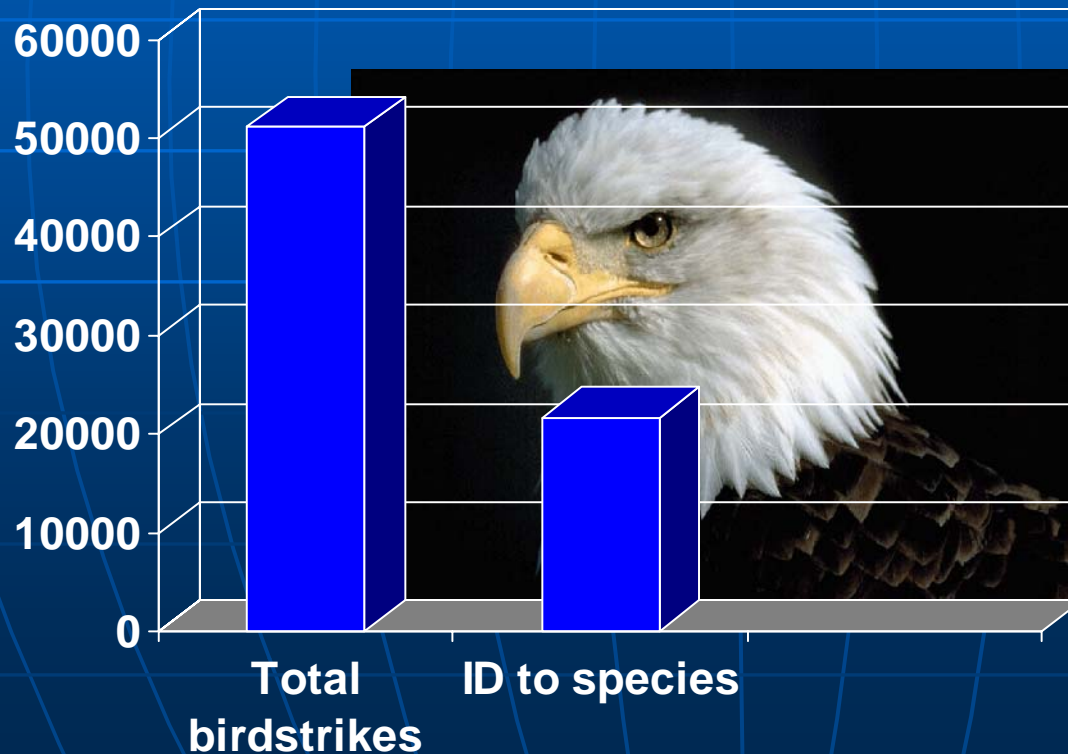
Voluntary Strike Reporting

- 1. Estimate That 80% Of Strikes Are Not Reported Under Voluntary System**
- 2. Should Strike Reporting be Mandatory**

Species Identification

51,154 bird strikes

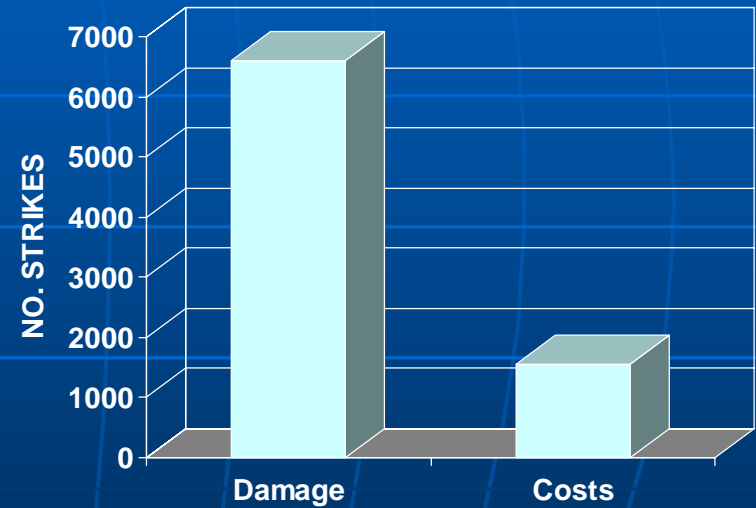
21,684 identified at least to group



Challenge of Estimating Cost



LEAR 36 - ELK STRIKE



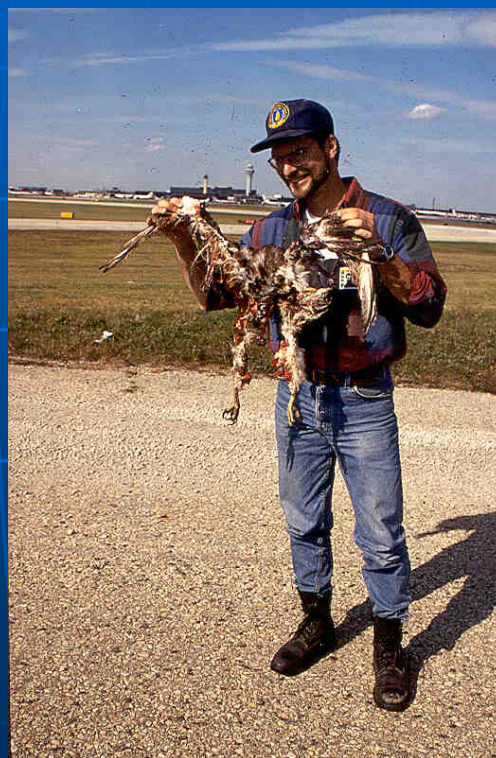
COSTS REPORTED FOR DAMAGING STRIKES

Use of Forms Other Than Current FAA 5200-7



- | | |
|----------------------------|-----|
| ■ Airline Reports | 13% |
| ■ Airport Reports | 6% |
| ■ Engine Manufacturer | 2% |
| ■ Aircraft Incident Report | 2% |
| ■ Other | 2% |

Which Carcass to Report

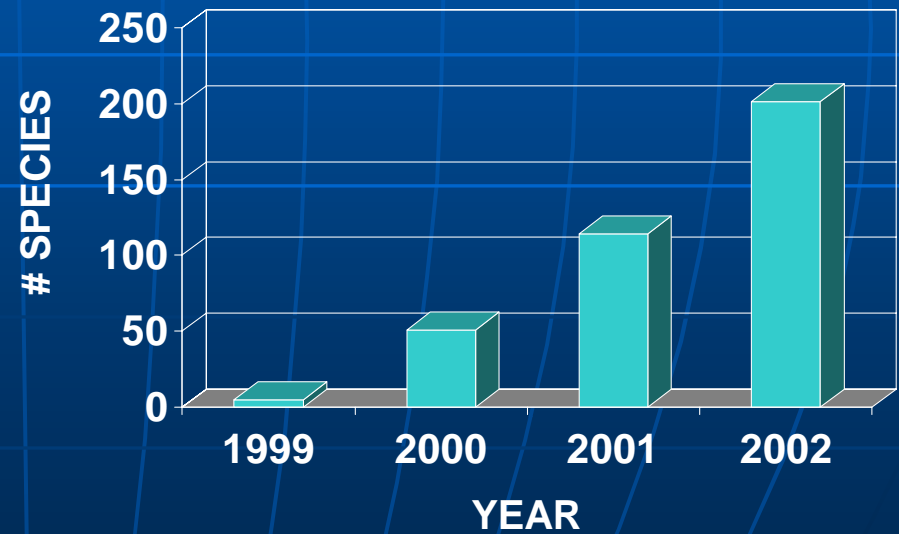


MUST BE WITHIN 200' OF RUNWAY CENTERLINE

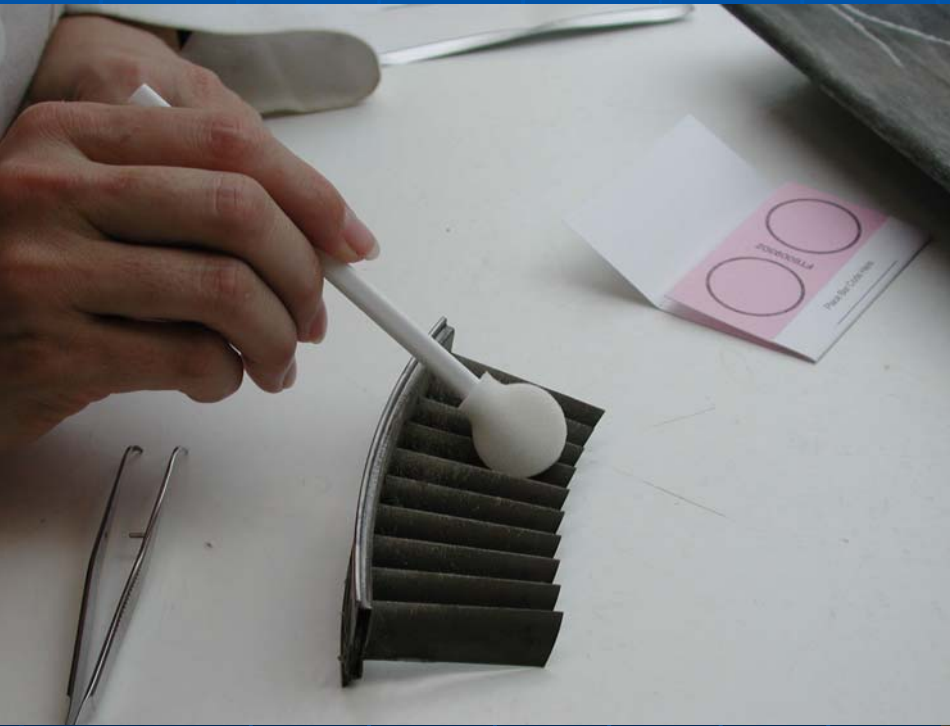
Smithsonian Feather ID Program



BIRDS IDENTIFIED FOR THE FAA

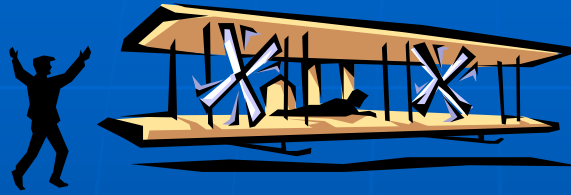


Smithsonian Bird DNA Database



CONCLUSION

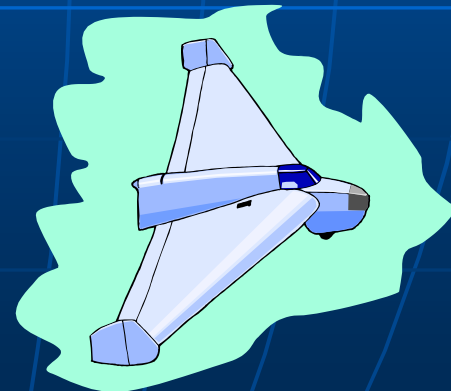
PAST

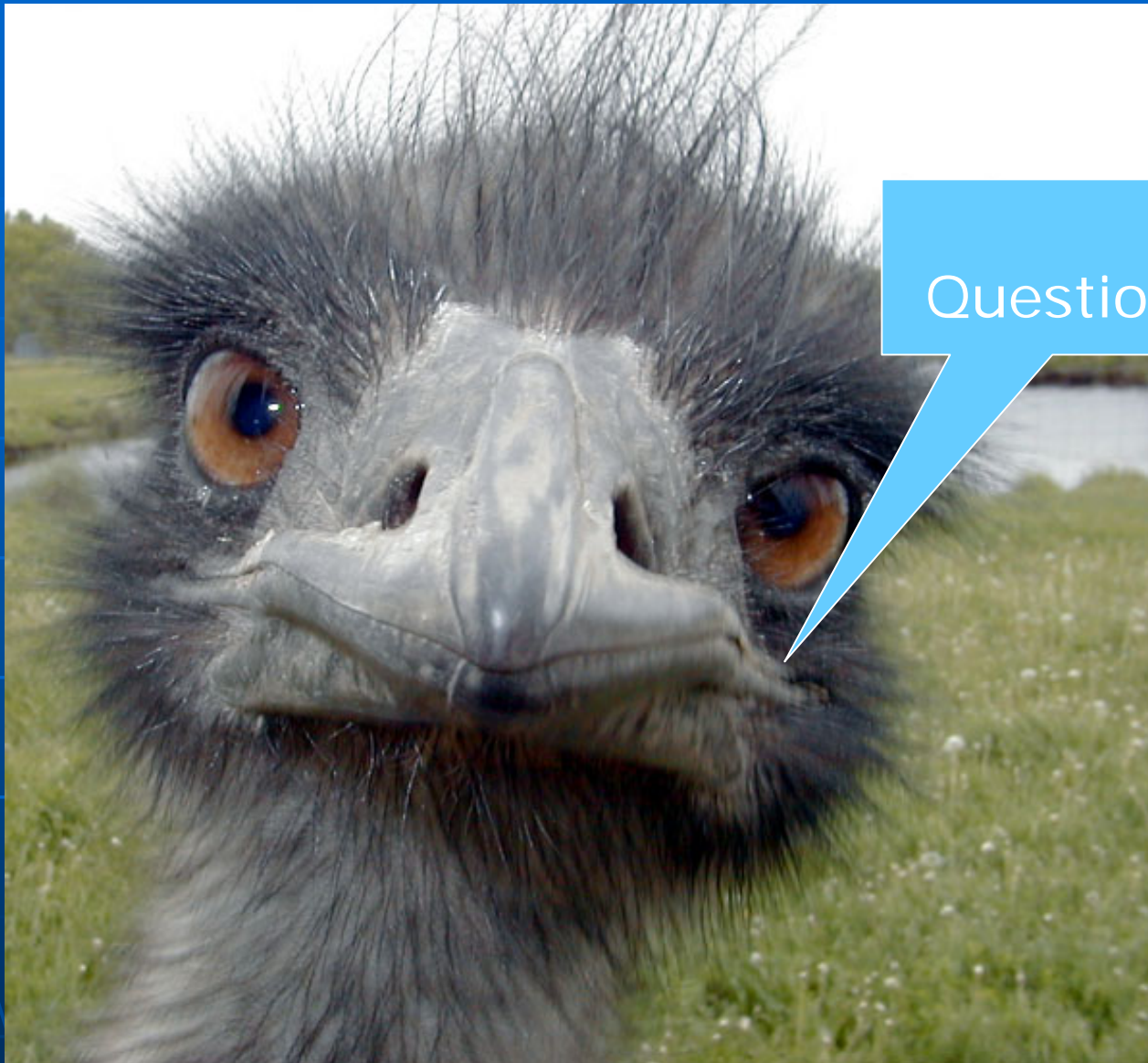


PRESENT



FUTURE





Questions?