COLLECTION AND DISSEMINATION OF WILDLIFE STRIKE DATA AT AIRPORTS FOR THE US FEDERAL AVIATION ADMINISTRATION VIA THE WORLD WIDE WEB

Dr. Archie M. Dickey ¹ & Mr. Allen R. Newman ² and Dr. Michel Hovan ³ ^{1,2} Embry-Riddle Aeronautical University 3700 Willow Creek Road, Prescott, AZ 86301, USA ¹ Tel: (928) 777 – 3927, Fax: (928) 777 – 6945, Email: dickeya@erau.edu ² Tel: (928) 777 – 3947, Fax: (928) 777 – 6945, Email: <u>newmana@erau.edu</u> ³ Program Manager, Federal Aviation Administration, William J. Hughes Technical Center Atlantic City International Airport, NJ 08405, USA Tel: (609) 485 – 5552, Fax: (609)-485-4845, Email: <u>michel.hovan@faa.gov</u>

Abstract

Embry-Riddle Aeronautical University (Prescott, AZ, USA) was awarded a grant from the William J. Hughes FAA Technical Center in October 1999 to develop and maintain a web site dealing with a wide variety of airport safety wildlife concerns. Initially, the web site enabled users to access related topics such as wildlife management (at/near airports), bird identification information, FAA wildlife management guidelines, education, pictures, current news, upcoming meetings and training, available jobs and discussion/forum sections. In April 2001, the web site was augmented with an on-line wildlife strike report (FAA Form 5200-7). Upon submittal on-line, "quick look" email notifications are sent to concerned government personnel. The distribution of these emails varies as to whether there was damage, human injuries/fatalities, and whether feather remains were collected and will be sent to the Smithsonian Institution for identification. In July 2002, a real-time on-line query system was incorporated to allow federal and local government agencies, airport and operator personnel, and USDA and airport wildlife biologists to access this database (which as of Nov 2004 contains 66,816 researched strike reports added to at a rate of approximately 500 strike reports/month) to formulate strategies to reduce the hazards wildlife present to aviation. To date (January 2005), over 10,800 on-line real-time queries were processed. In June 2004, ERAU was authorized to develop a graphical interface to this on-line query system. This graphical interface will give analysts the ability to view strike patterns with a wide variety of variables including species, seasons, migration patterns, etc.

Keywords: on-line database, birdstrike reports – format, collection, dissemination, quick-look notification, species identification

1. Introduction

The FAA's Airport Wildlife Hazard Mitigation Website¹ was established by Embry-Riddle Aeronautical University (Prescott, AZ) in October 1999 under grant from the William J. Hughes FAA Technical Center in Atlantic City, NJ. The objectives of the website are:

- To provide the aviation community with a large variety of sources of information concerning the risks that wildlife present to aviation safety and associated topics.
- To provide a user-friendly interface whereby airport, flight, operations, safety, and/or maintenance personnel may report wildlife strikes (in many airports a daily occurrence) on-line.

¹ Airport Wildlife Hazard Mitigation Home Page is located at http://wildlife-mitigation.tc.faa.gov. A mirror (redundant) site is located at http://wildlife.pr.erau.edu.

- To provide an on-line database of wildlife strike reports for dissemination of data to federal and local government agencies, airport managers, operator safety personnel, biologists, engine and airframe manufacturer personnel to analyze and develop strategies to reduce the risks wildlife present to aviation.
- To provide users an opportunity to register with the on-line community for electronic dissemination of items of interest, coming events and community news.

2. Sources Of Information

The website home page has 12 sections dedicated to providing a wide variety of information surrounding the hazards that wildlife present to aviation. These sections are:(1) General Information, (2) News, (3) Meetings, (4) Bird Identification, (5) R & D Activities, (6) Resources, (7) Education, (8)Training, (9) Jobs, (10) Forum, (11) Strike Photos, and (12) Feedback.

2.1 General Information

The General Information Section itself is sub-divided into 11 sub-sections as described below:

Overview of the Bird Strike Problem – Brief discussion of the wildlife/aircraft strike problem with links to more thorough discussions from a number of different sources including the FAA, Transport Canada and the Airline Pilots Association.

Wildlife Management Information – Discussion of a number of passive strategies to minimize wildlife on or near airports with links to a number of references.

Current Hazard Assessment Systems – Discussion and links to the two systems that are currently being used for estimating wildlife strike hazard: (1) the U.S. Air Force's Bird Avoidance Model (BAM), and (2) the Avian Research Laboratory's Avian Hazard Advisory System (AHAS). These tools provide information regarding bird strike risk, and allow pilots to make informed decisions about their routes with regards to wildlife strike risk.

Bird Identification Information – Discussion of the importance of species identification and proper procedures to submit unidentified remains to the Smithsonian Institution, Division of Birds. This service is provided without charge to all US registered aircraft regardless of the strike location and strikes at US airports regardless of carrier registration..

FAA Wildlife Strike Database – Links to Summary Reports of Strikes published by the FAA and USDA/Wildlife Services.

FAA Wildlife Management Guidelines – Currently contains a link to the Certified Airport Operator's responsibilities with respect to hazardous wildlife issues (14 CFR 139 Section 139.337).

International Bird Strike Information – Brief discussion of work being done by civilian and military activities outside of the US.

Research and Development – Detailed discussions of various ongoing R & D activities to minimize the risks wildlife present to aviation.

Education – Links to universities offering degree programs or other training/assistance in wildlife damage control and other topics related to wildlife hazard mitigation at airports.

Pictures – A sampling of photos showing the damage caused by collisions of aircraft with wildlife.

Resources – An extensive listing of documents, sites, papers, reports and associated material relating to the hazards wildlife present to aviation.

2.2 News

This area is dedicated to posting the most current news related to wildlife control and environmental issues at airports.

2.3 Meetings

This area is dedicated to posting/publicizing information about upcoming meetings dealing with topics related to wildlife control at airports.

2.4 Bird Identification

This area is an alternate link to the *Bird Identification Information* discussed above.

2.5 R & D Activities

This area is an alternate link to the Research and Development Activities discussed above.

2.6 Resources

This area is an alternate link to the *Resources* discussed above.

2.7 Training

This area is dedicated to posting/publicizing information about upcoming training events in wildlife management/wildlife control.

2.8 Jobs

This area is dedicated to the posting/publicizing information about available jobs related to airport wildlife control.

2.9 Forum

This area is dedicated to the posting of problems and/or ideas to brainstorm with other users of this site or other users who have encountered a similar problem.

2.10 Strike Photos

An alternate link to the *Pictures* (of aircraft damage due to wildlife strikes) discussed above.

2.11 Feedback

This area is dedicated to providing users an opportunity to provide feedback concerning questions, new material users have to offer, comments on existing material contained in the website, and reporting of technical problems users may encounter while browsing the site.

3. Strike Reporting

To develop strategies to minimize the risk wildlife present to civil aviation, reporting of all wildlife strikes is imperative². Although no mandatory reporting requirement currently exists, any personnel aware of a collision between some wildlife and any aircraft, regardless of size, are encouraged to file a "Bird/Other Wildlife Strike Report" (FAA Form 5200-7) – Appendix A. This form is widely available in hard copy (and also through the web site) although electronic reporting is encouraged through the website as illustrated in Figure 1.



Figure 1 – Electronic Reporting Website Icons

Immediate reporting is desired since events and circumstances surrounding the strike are still fresh in the observer's mind. Note that provision is also provided where the submitter may revise the submitted electronic strike report as more facts become known; for example, time out-of-service, repair costs, etc. Once submitted electronically (either the original or revised report), an "Quick Look" email notification

² Although the primary risks are birds, mammals such as deer, fox, and coyotes also present a significant risk.

(See Appendix B) is sent to concerned FAA and USDA/Wildlife Services personnel³. In the event of reported aircraft damage and/or personnel injury/fatality, additional email notifications are also automatically generated. The email contains a link to a mirror-formatted copy of the electronically submitted strike report that is immediately available to notified personnel. Bird Identification personnel at the Smithsonian Institution are also electronically notified if the submitter has collected any available remains and intends to forward these remains to the Smithsonian for identification. Species identification is considered a critical element in formulation of mitigation strategies. This service is provided without charge to all United States registered aircraft owners/operators, regardless of where the strike occurred, and to all aircraft owners/operators when the strike occurred at a US airport. On-line retrieval of all electronic strike reports filed since April 2001 is provided to all authorized FAA personnel for historical purposes.

Whether filed electronically or submitted hardcopy through the US Mail, all reports are thoroughly researched by the USDA/Wildlife Services personnel (Database Manager Ms. Sandra Wright/USDA) at the Sandusky (OH) Field Station. Each report is reviewed for completeness and accuracy (as well as possibly redundancy in the event multiple reports for the same incident are filed). When the report is sufficiently completed, the data is entered in the FAA National Wildlife Aircraft Strike Database that is currently maintained off-line in MS Office ACCESS format as shown in Figure 2. The database currently contains 66,816 documented and researched strike reports (as of January 2005) dating back to January 1990. Reports are currently added at a rate of approximately 6,000 per year. To provide a more thorough picture of strikes at commercial US airports, effort has been initiated to include military strikes reported at joint civilian/military airports. The database currently contains 8,400 USAF reported strikes.

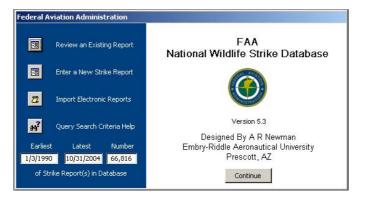


Figure 2 – The FAA National Wildlife Aircraft Strike Database in ACCESS Format

Periodically (usually once per month), this database is uploaded on-line to a MySQL database which is available through the website to all authorized FAA, local government, airport, operator, biologists, engine and airframe manufacturer's personnel. In addition, summarized database information (without specific airport or operator identification) is available to the general public by species, by state and by year.

4. On-Line Database Access

To make the widest dissemination of the FAA National Wildlife Aircraft Strike Database available for analysis and to contribute to strategies to minimize the risk wildlife presents to aviation, the database was put on-line in July 2002. There are currently 8 separate entrances to the on-line database, seven of which require prior FAA authorization to access. The 8th is available to the general public without prior authorization. Depending on need, the various entrances present limited views of the database as a whole. The current available entrances are shown in Figure 3. Area 51 is a highly restricted access

³ Entry of the reported data into the FAA National Wildlife Aircraft Strike Database has been delegated to the USDA/Wildlife Services located at the Sandusky (OH) Field Station [1].

download area for the dissemination of the source ACCESS database to a small number of authorized agencies.

Access to the FAA National Wildlife Aircraft Strike Database
Area P - Public Access
Authorized Personnel Only (All require Passwords)
<u>Area 51</u> <u>Authorized FAA Personnel</u> <u>Authorized Airport Personnel</u> <u>Authorized Operator (Airline) Personnel</u> <u>Authorized Wildlife Services Personnel</u> <u>Authorized Engine Manufacturer Personnel</u> <u>Authorized Airframe Manufacturer Personnel</u> <u>Authorized Government Agencies Personnel</u>

Figure 3 – On-Line Access (and Various Entrances) to the FAA National Wildlife Aircraft Strike Database

Each entrance shown above has a variety of pull-down lists to create queries to access data contained in the database. As an example, Authorized Airport Personnel are presented a Login screen from which they select their airport and password as shown in Figure 4. If a user desires, the entered airport/password combination may be saved for future access. If the official name of the airport is not known and can't be readily found in the airport name pull-down lists, the user may select the 4 letter airport code from the airport code pull-down list.

After verification of the correct airport/password combination, the user is presented with a Query Selection Menu as shown in Figure 5. The user may then select 1 or more criteria of interest for a specific period and/or aircraft (or no criteria at all for all reported strikes). Note that the user may select the hits ordered by date (which is the default), as well as aircraft, runway, damage or species (the latter four not shown). In addition, the user may also select the ordering – ascending, descending, and, recently added, grouping by species (to be discussed later in this paper).



Figure 4 – Authorized Airport Personnel Login Screen

Airport	CHICAGO OHARE INTL	Airport Code KORD -
Date(s)	P	<u></u>
From: Month	JAN 🔽 Day 1 💌	Year 2003 💌
To: Month	DEC 🔽 Day 31 💽	Year 2003 💌
Aircraft	Select 🗾	
Viewing Options:		
Hits Ordered By	Date 💌	
Ordering	Ascending	eature "Group by Species")

Figure 5 – Query Selection Menu for Authorized Airport Personnel (Typical)

Upon submittal, the user is presented with a list of "hits" that satisfy the selected criteria. For the criteria shown in Figure 5, the user would be shown a summary report as shown in Figure 6.

It should be noted that each of the hits has the Incident Date as a link to the individual strike report. Clicking on any of those hits would present the user to a limited view of the detailed strike report as shown in Figure 7^4 .

Click	For Info to Download Indivi-	dual Strike Repor	ts into EXC	EL for a mo	re detailed Analysis.
Incident Date	Airport	Aircraft	R'way	Damage Code*	Species**
01-22-2003	CHICAGO OHARE INTL	EMB-145	4R	N	ROCK DOVE
02-16-2003	CHICAGO OHARE INTL	MD-80	9L	N	RED-TAILED HAWK
02-20-2003	CHICAGO OHARE INTL	B-737-700	22L	м	OWLS
02-24-2003	CHICAGO OHARE INTL	A-320	27R	N	RED-TAILED HAWK
			228		CARLON NO. CONTRACTOR STREET

Figure 6 - Example Hit Return (Partial) for the Query Selected in Figure 6

Incident Date: 04-09-2003	Time of Day:	Time:	Damage Code*: M	Ref Nr: 47568
Aircraft Type: A-320	Runway: 32L	Height: 2,000	Speed:	
Airport Code: KORD	Airport: CHICAGO OHARE II	NTL		
Phase of Fit: CLIMB	Effect on Flight:	Other Effect:	Sky:	Precipitation:
Species**: UNKNOWN BIRD	Nr Seen:	Nr Struck: 1	Size: SMALL	

Figure 7 - Limited View of a Detailed Strike Report Selected from Figure 6

In addition, the user is presented an option (not shown) to download all returned hits which automatically load into MS Office EXCEL for detailed further analysis off-line. An example of the EXCEL download file in Figure 6 is shown in Figure 8.

⁴ FAA authorized personnel view the entire strike report. Other users have limited views depending on organization need.

As an additional option, the user may select a "Group By Species" Ordering from the Query Selection Menu. For this ordering, all hits are summarized by species for that airport. Also provided in the listing is the strike count for the listed species for the airport's state, the entire US and foreign strikes as shown in Figure 9.

Note that the number of strikes for each species for the previously selected airport is a link to a summary listing of hits for that species as shown in Figure 10. Many wildlife specialists find the "Group by Species" extremely useful to portray the relative frequency of strikes between species at a particular airport as well as outside the immediate airport location.

	A	в	С	D	E	F	G	н	1.	J	к	L
1	Ref Nr	Incident Da	Time of Da	Time	Damage	Aircraft	Runway	Height	Speed	Airport Co.	Airport	Phase o
23	46982	1/22/2003	Day		N	EMB-145	4R	300	135	KORD	CHICAGO OHARE INTL	Approac
3	47123	2/16/2003	Day	1050	N	MD-80	9L	0	180	KORD	CHICAGO OHARE INTL	Take-off
4	47215	2/20/2003	Night	1800	M	B-737-700	22L	0	180	KORD	CHICAGO OHARE INTL	Take-off
5	47172	2/24/2003	Contraction of the second		N	A-320	27R	1	-	KORD	CHICAGO OHARE INTL	-
5 6	47196	2/27/2003				UNKNOWN	4R			KORD	CHICAGO OHARE INTL	
7	47198	2/28/2003	Day	1219	N	B-737-800	04R	300	135	KORD	CHICAGO OHARE INTL	Approac
8	47390	3/24/2003			N	B-737-300				KORD	CHICAGO OHARE INTL	Climb
9	47437	3/27/2003				UNKNOWN	27L			KORD	CHICAGO OHARE INTL	
10	47435	3/27/2003				UNKNOWN	27L			KORD	CHICAGO OHARE INTL	
11	47557	4/1/2003			N	A-319		1		KORD	CHICAGO OHARE INTL	Approac



S	elected Grouping Criteria:
	ecies: ALL
S	ate: IL
A	rport: CHICAGO OHARE INTL Airport ID: KORD
L	ntitude: 41.98° (41° 58.8') N Longitude: 87.9° (87° 54.3') W
N	umber of Species Returned: 74

Click the number of strikes for a summary listing of strikes for the associated species.

Species	State	Airport	Airport Strikes	State Strikes	US Strikes	Foreign Strikes
AMERICAN COOT	IL	KORD	1	1	28	0
AMERICAN CROW	IL	KORD	13	25	188	0
AMERICAN GOLDEN-PLOVER	IL	KORD	2	2	21	0
AMERICAN KESTREL	IL	KORD	<u>56</u>	200	888	0
AMERICAN REDSTART	IL	KORD	1	1	2	0
AMERICAN ROBIN	IL	KORD	2	9	216	1
AMERICAN WOODCOCK	1	KORD	1	1	13	0

Figure 9 - "Group by Species" Screen (Partial) for the Selected Airport

The "Group by Species" hits may also be downloaded into EXCEL as shown previously. Each of the "hits" in Figure 10 may be selected to link to the limited detailed strike report as previously shown in Figure 7.

As of Janaury 2005, there have been over 10,800 on-line queries generated with the request distribution shown in Figure 11. (Please be aware Level IIF⁵ (Government Agencies) was added in November, 2003.)

⁵ Levels indicate degree of access to detailed strike data. Level I is complete visibility to Federal Government organizations, Level II is limited visibility to state and local Governmental organizations and non-Governmental

mber of Report	s: 56 nt Date to View Individual Stri	ha Danast /P	alded Data India	atoo Donodo	Domono on Form F200 7)
	For Info to Download Individu				
			A1	Damage	
Incident Date	Airport	State	Aircraft	Code*	Species**
ncident Date	Airport CHICAGO OHARE INTL	State	Aircraft ATR-72	sector and the sector of the s	AMERICAN KESTREL
				Code*	
06-27-1993	CHICAGO OHARE INTL	IL	ATR-72	Code*	AMERICAN KESTREL
07-06-1993	CHICAGO OHARE INTL CHICAGO OHARE INTL	IL IL	ATR-72 UNKNOWN	Code*	AMERICAN KESTREL AMERICAN KESTREL



					Activity Lo 41:46 MST			
		Cum	Ilative Summar	y of Query Re	quests (All Lev	els)		
Level I (FAA)	Level IIA (Airports)	Level IIB (Oper's)	Level IIC (USDA/WS)	Level IID (Engine)	Level IIE (Airframe)	Level IIF (Govt Agencies)	Level IIIA (By State)	Level IIIB (By Year)
448	890	159	4304	13	24	7	2707	2248
4.1%	8.2%	1.5%	39.9%	0.1%	0.2%	0.1%	25.1%	20.8%
	ies Requested of Queries Re		Business Day - 1	16.5				
	(Cumulative Su	ummary of Indiv	vidual Strike F	Report Request	s (All Levels)		
Level1	Level IIA	Level IIB	Level IIC	Level IID	Level IIE	Level IIF	Level IIIA	Level IIIB
327	1148	579	3605	13	63	1	N/A	N/A
5.7%	20%	10.1%	62.8%	0.2%	1.1%	0%	N/A	N/A

Figure 11 – On-Line Query Request Distribution (From July 22, 2001 to Sept 18, 2004)

5. On-Line Community

In order to disseminate items of interest including coming events and community news an On-Line Community has been established open to any visitor to our web site as shown in Figure 12.



Figure 12 – Web Site Invitation to Join the On-Line Community

Approximately monthly, an email newsletter is distributed to all registered personnel by a custom designed broadcast email program.

organizations depending on organization requirements and Level III yet a more limited visibility available to the general public. Levels I and II are password protected unique to each organization.

Upon clicking the link shown in Figure 12, the user is presented a brief application as shown in Figure 13.



Figure 13 – Application to Join the On-Line Community

There are, as of November 2004, 239 members of the On-Line Community from a wide variety of domestic as well as foreign organizations. A sampling of the current membership is shown in Figure 14:

Josh Paurus	ivietropolitan Airports Commission	jpaurus@mspmac.org	Sat May 1 07:50:51 MIS1 2004
deketelaere hans	bcu	fughi@msn.com	Mon May 3 23:52:06 MST 2004
deketelaere hans	bird control unit militairy airport	hans.deketelaere@pandora.be	Wed May 5 23:40:23 MST 2004
Lance Jolly	US Alr Force	lance.jolly@scott.af.mil	Mon May 10 19:19:58 MST 2004
Erick Wolf	Innolytics, LLC	erick.wolf@innolyticsllc.com	Tue May 11 07:25:10 MST 2004
Luis F. Aguila	LanChile Airlines	faguila@lanchile.cl	Mon May 17 10:20:03 MST 2004
Brian Lee	National Chung Hsing University	brianlee@mail.nchu.edu.tw	Wed May 19 19:03:36 MST 2004
Mike Schoenberger	FI-Shock	mike.schoenberger@fishock.com	Wed May 26 13:22:21 MST 2004
plt.off.pongsathorn	airports of thailand public company	tool1522@yahoo.com	Mon Jun 7 17:35:47 MST 2004
Eduardo Chacin	IATA	chacine@iata.org	Thu Jun 24 13:08:33 MST 2004
Sharon Gordon	Port of Portland	gordos@portptld.com	Mon Jun 28 14:43:26 MST 2004
			T 1 00 07 01 07 NOT 0001

Figure 14 - Sampling of the "Wildlife" On-Line Community

6. Future Plans

Development is currently underway to augment the on-line database access with a graphical interface. In addition to a discrete listing of all strikes returned by the user's query, an option will be provided to show graphically all strikes superimposed on a map of the United States (including Alaska and Hawaii) as shown in the developer's concept screen shot shown in Figure 15. Development is anticipated to be complete in Spring 2005.

The map of the US will be clickable by State allowing the viewer to obtain a more detailed mapping of all airports within that state. This graphical interface will present to analysts the ability to view strike patterns with a wide variety of variables including species, seasons, migration patterns, etc.



Figure 15 - Developer's "Concept" Screen Shot - Superimposed Strikes on US Map

7. References

[1] 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, dated December 17, 2004.

Appendix A - On-Line Bird/Other Wildlife Strike Report (FAA Form 5200-7 Electronic)

BIRD/OTHER	WILDLIFE	STRIKE	REPORT
DINDIOTHEN	THEFE LILE		

Form Approved OMB NO. 2120-0045

1. Name of Operator	2. Aircraft Make/Model	3. Engine Make/Model
4. Aircraft Registration	5. Date of Incident	6. Local Time of Incident
		Dawn Dusk Hr Min
	mm dd yyyy	Day Dight DAM DPM
6A. Flight Number	6B. Wildlife/Bird Remains:	
oA. Fight Rumber	Collected Sent to Smithsonian	
Į		1
7. Airport Name	8. Runway Used	9. Location if En Route
		(Vearest Town/Reference & State)
10. Height (AGL) ft	11. Speed (IAS) kts	-
12. Phase of Flight	13. Part(s) of Aircraft Struck or Damaged	13. (Con't)
E A BARA	Struck Damaged	Struck Damaged
A Parked	A. Radome	H. Propeller
E. Taxi	B. Windshield	I. Wing/Rotor
C. Take-off Run	C. Nose	J. Fuselage F
D. Climb	D. Engine #1	K. Landing Gear 🗖 🗖
E. En Route	E. Engine #2	L. Tail
F. Descent	F. Engine #3	M. Lights 🗖 🗖
🔽 G. Approach	O. Engine #4	N. Other
H. Landing Roll	Bird(s) Ingested? 「(Check for Yes)	(Specify, if 'N. Other" is checked)
14. Effect on Flight	15. Sky Condition	16. Precipitation
□ None	No Cloud	Fog
F Aborted Take-Off	C Some Cloud	C Rain
Precautionary Landing	Cvercast	C Snow
Engine Shutdown		None None
Other (Specify)		
17. Bird/Other Wildlife Species	18. Number Seen and/or Struck	19. Size of Bird(s)
	Number Seen Struck	
		🗖 Small
	2 · 10 🗖 🗖	🗖 Medium
	more than 100	🗖 Large
20. Pilot Warned of Birds/Wildlife?		
21. Remarks (Decoribe dawage, injuries, and oth	er pedinent information)	
	DAMAGE/COST INFORMATION	
22. Aircraft time out of service:	23. Estimated cost of repairs or	24. Estimated other costs (US \$) (e.g.,
ZZ, Alfcfall time out of service:		and a state of the state of the state
22. Alfcranttime out of service:	replacement (US \$)	revenue loss, fuel, alrorati inspection,
hours	s	orew lodging or rescheduling, etc.)
hours	\$	s state of the second s
	the second se	Crew lodging or rescheduling, etc.) S Date
hours	\$	s state of the second s
hours	\$	Crew lodging or rescheduling, etc.) S Date

FAA Form 5200-7 (Electronic) Revised 8-22-2002

Appendix B - "Quick Look" Email Notification Upon Submittal of On-Line Strike Report

```
▽ Subject: Strike Report Submittal Notification
    From: A. R. Newman <newmana@erau.edu>
    Date: 2:53 AM
Strike Report Submittal:
Confirmation Number: 2004-9-19-025310
Distributed To: Ed Cleary/FAA, Michel Hovan/FAA, Paul Jones/FAA,
                Sandra Wright/USDA & Rich Yarges/FAA
Inter http://wildlife.pr.crau.edu/r
for a formatted review of this Strike Report
               -00-
Inter http://wildlife.pr.erau.edu/
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=Comair
Aircraft=CRJ
Ingine-
Registration=N492CA
Incident_Nonth=09
Incident_Day=18
Incident_Year=2004
Incident_Hour=10
                                                      -11-
Incident_Ninute=30
Incident_Night-on
                                 Effect_Specify-
Incident_Pf=on
                                 Sky_Overcast=on
Flight=DL5403
                                 Precip_None=on
Remains Collected-on
                                 Species-unknown
Airport-HVN
                                 Birds_1_Struck-on
Size_Hedium=on
           11
                                 Varned No-on
                                 Remarks-
                                 Aircraft_Out_of_Service=0
                                 Cost_Repairs=D
                                 Cost Other-
                                 Reported_Name-K. Ormond
                                 Reported_Title=Airport Operations Superv
                                 Reported Date=9/19/04
                                 Reported_Phone=203-466-8844
                                 Reported L Hail=
                                 Location of Submittal
                                     Remote Address: 64.252,134.172
                                     Remote Host: 172.134.252.64.snet.net
                                     Submitting Program: /users/vildlife/public_hts
                                     Submitting Host: wildlife.pr.erau.edu
                                 A. R. Neuman
                                 Vebmaster, Airport Vildlife Hazard Mitigation Web:
                                 Embry-Riddle Aeronautical University
                                 Prescott, AZ
                                 newsana8erau.edu
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