



Aviation Investigation Final Report

Location:	Baton Rouge, Louisiana	Accident Number:	GAA16CA101
Date & Time:	January 11, 2016, 13:45 Local	Registration:	N4423R
Aircraft:	Cessna 182	Aircraft Damage:	Substantial
Defining Event:	Birdstrike	Injuries:	2 None
Flight Conducted Under:	Part 91: General aviation - Aerial observation		

Analysis

The pilot reported that while performing aerial observation along a pipeline, he spotted a buzzard about 200 feet ahead of the airplane. The pilot further reported that he attempted to turn left to avoid the buzzard, but the bird changed its course and struck the right wing.

The pilot landed without further incident. A post-accident examination revealed substantial damage to the right wing.

The pilot reported there were no mechanical malfunctions or failures with the airplane that would have precluded normal operation.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: An inadvertent collision with a bird while maneuvering during an aerial observation flight.

Findings

Environmental issues	Animal(s)/bird(s) - Effect on equipment
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Factual Information

History of Flight

Maneuvering	Birdstrike (Defining event)
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Pilot Information

Certificate:	Commercial; Flight instructor	Age:	21, Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	3-point
Instrument Rating(s):	Airplane	Second Pilot Present:	Yes
Instructor Rating(s):	Airplane single-engine	Toxicology Performed:	No
Medical Certification:	Class 1 Without waivers/limitations	Last FAA Medical Exam:	June 18, 2015
Occupational Pilot:	Yes	Last Flight Review or Equivalent:	May 20, 2015
Flight Time:	(Estimated) 835 hours (Total, all aircraft), 123 hours (Total, this make and model), 789 hours (Pilot In Command, all aircraft), 202 hours (Last 90 days, all aircraft), 69 hours (Last 30 days, all aircraft), 6 hours (Last 24 hours, all aircraft)		

Other flight crew Information

Certificate:	Commercial; Flight instructor	Age:	75, Male
Airplane Rating(s):	Single-engine land; Single-engine sea; Multi-engine land	Seat Occupied:	Right
Other Aircraft Rating(s):	None	Restraint Used:	3-point
Instrument Rating(s):	Airplane	Second Pilot Present:	Yes
Instructor Rating(s):	Airplane multi-engine; Airplane single-engine; Instrument airplane	Toxicology Performed:	No
Medical Certification:	Class 2 With waivers/limitations	Last FAA Medical Exam:	March 18, 2015
Occupational Pilot:	Yes	Last Flight Review or Equivalent:	February 18, 2015
Flight Time:	(Estimated) 5400 hours (Total, all aircraft), 200 hours (Total, this make and model), 5320 hours (Pilot In Command, all aircraft), 196 hours (Last 90 days, all aircraft), 60 hours (Last 30 days, all aircraft), 6 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N4423R
Model/Series:	182 RG	Aircraft Category:	Airplane
Year of Manufacture:	1979	Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	R18200597
Landing Gear Type:	Retractable - Tricycle	Seats:	4
Date/Type of Last Inspection:	December 11, 2015 100 hour	Certified Max Gross Wt.:	3100 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	6537.9 Hrs as of last inspection	Engine Manufacturer:	Lycoming
ELT:	Not installed	Engine Model/Series:	O-540-J3C5D
Registered Owner:	On file	Rated Power:	270 Horsepower
Operator:	On file	Operating Certificate(s) Held:	On-demand air taxi (135)

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	KBTR, 69 ft msl	Distance from Accident Site:	6 Nautical Miles
Observation Time:	19:53 Local	Direction from Accident Site:	360°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	/	Turbulence Type Forecast/Actual:	/ None
Wind Direction:		Turbulence Severity Forecast/Actual:	/ N/A
Altimeter Setting:	30.21 inches Hg	Temperature/Dew Point:	11°C / -8°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	GONZALES, LA (L38)	Type of Flight Plan Filed:	None
Destination:	GONZALES, LA (L38)	Type of Clearance:	None
Departure Time:	07:30 Local	Type of Airspace:	Class G

Wreckage and Impact Information

Crew Injuries:	2 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 None	Latitude, Longitude:	30.622499,-91.141113(est)

Administrative Information

Investigator In Charge (IIC):	Gerhardt, Adam
Additional Participating Persons:	Michael Wilson; Baton Rouge FSDO (FAA); Baton Rouge, LA
Original Publish Date:	March 14, 2016
Last Revision Date:	
Investigation Class:	Class
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=92595

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