



# Aviation Investigation Final Report

<b>Location:</b>	KIANA, Alaska	<b>Accident Number:</b>	ANC01LA002
<b>Date &amp; Time:</b>	October 5, 2000, 18:50 Local	<b>Registration:</b>	N5293X
<b>Aircraft:</b>	Cessna 206	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 135: Air taxi & commuter - Scheduled		

## Analysis

The airline transport certificated pilot departed on a scheduled commuter flight. About 10 minutes after departure, about 2,000 feet msl, the pilot heard and felt a thump. The windshield became covered in blood, and the pilot noticed the oil access door was open. He returned to the departure airport and discovered several areas of impact with birds that included the windshield, vertical stabilizer, the right wing root, and the right wingtip. An examination of the right wing by the director of maintenance revealed aft crushing of the leading edge, and damage to a nose rib, about six inches inboard from the tip.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: An in-flight collision with birds.

### Findings

Occurrence #1: IN FLIGHT COLLISION WITH OBJECT

Phase of Operation: CRUISE

Findings

1. (C) OBJECT - BIRD(S)
2. WING, WING RIB - BUCKLED

## Factual Information

On October 5, 2000, about 1850 Alaska daylight time, a Cessna 206 airplane, N5293X, sustained substantial damage following an in-flight collision with several birds, about 10 miles west of Kiana, Alaska, about latitude 66 degrees, 58 minutes north, and longitude 160 degrees, 53 minutes west. The airplane was being operated by Baker Aviation, Kotzebue, Alaska, under Title 14, CFR Part 135, as Flight 426, a visual flight rules, scheduled domestic passenger flight, when the accident occurred. The airline transport certificated pilot, the sole occupant, was not injured. Visual meteorological conditions prevailed. A VFR flight plan was filed. The flight originated at the Bob Baker Memorial Airport, Kiana, about 1845.

On October 9, 2000, the director of maintenance for the operator reported the pilot departed Kiana, en route to Kotzebue, without any passengers. While in cruise flight at 2,000 feet msl, the pilot heard and felt a thump. The windshield became covered in blood, and the pilot noticed the oil access door was open. He returned to Kiana and discovered several areas of impact with birds that included the windshield, vertical stabilizer, the right wing root, and the right wingtip. An examination of the right wing by the director of maintenance revealed aft crushing of the leading edge, and damage to a nose rib, about six inches inboard from the tip.

### Pilot Information

<b>Certificate:</b>	Airline transport	<b>Age:</b>	42, Male
<b>Airplane Rating(s):</b>	Single-engine land; Single-engine sea; Multi-engine land	<b>Seat Occupied:</b>	Right
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 2 Valid Medical--w/ waivers/lim	<b>Last FAA Medical Exam:</b>	October 2, 2000
<b>Occupational Pilot:</b>	Yes	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	6960 hours (Total, all aircraft), 4650 hours (Total, this make and model), 6760 hours (Pilot In Command, all aircraft), 241 hours (Last 90 days, all aircraft), 108 hours (Last 30 days, all aircraft), 7 hours (Last 24 hours, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Cessna	<b>Registration:</b>	N5293X
<b>Model/Series:</b>	206 206	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	2060005612
<b>Landing Gear Type:</b>	Tricycle	<b>Seats:</b>	2
<b>Date/Type of Last Inspection:</b>	September 16, 2000 100 hour	<b>Certified Max Gross Wt.:</b>	3600 lbs
<b>Time Since Last Inspection:</b>	86 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	13279 Hrs	<b>Engine Manufacturer:</b>	Continental
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	IO-520-F
<b>Registered Owner:</b>	BAKER AVIATION INC.	<b>Rated Power:</b>	300 Horsepower
<b>Operator:</b>		<b>Operating Certificate(s) Held:</b>	Commuter air carrier (135), On-demand air taxi (135)
<b>Operator Does Business As:</b>		<b>Operator Designator Code:</b>	BAJA

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>		<b>Distance from Accident Site:</b>	
<b>Observation Time:</b>		<b>Direction from Accident Site:</b>	
<b>Lowest Cloud Condition:</b>	Clear	<b>Visibility</b>	20 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	3 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	30°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	29 inches Hg	<b>Temperature/Dew Point:</b>	-2°C / -7°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	KIANA , AK (PAIL)	<b>Type of Flight Plan Filed:</b>	VFR
<b>Destination:</b>	KOTZEBUE , AK (PAOT)	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	18:45 Local	<b>Type of Airspace:</b>	Class G

## Airport Information

<b>Airport:</b>		<b>Runway Surface Type:</b>	
<b>Airport Elevation:</b>		<b>Runway Surface Condition:</b>	
<b>Runway Used:</b>	0	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>		<b>VFR Approach/Landing:</b>	None

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>		<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	1 None	<b>Latitude, Longitude:</b>	66.980194,-160.429962(est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Erickson, Scott
<b>Additional Participating Persons:</b>	ERIC JONES (FAA); FAIRBANKS , AK
<b>Original Publish Date:</b>	July 10, 2001
<b>Last Revision Date:</b>	
<b>Investigation Class:</b>	<a href="#">Class</a>
<b>Note:</b>	
<b>Investigation Docket:</b>	<a href="https://data.ntsb.gov/Docket?ProjectID=50444">https://data.ntsb.gov/Docket?ProjectID=50444</a>

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