



Aviation Investigation Final Report

Location:	Franklin, Virginia	Accident Number:	GAA17CA446
Date & Time:	July 16, 2017, 13:30 Local	Registration:	N41827
Aircraft:	Piper PA46	Aircraft Damage:	Substantial
Defining Event:	Wildlife encounter (non-bird)	Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot reported that, during a day, visual meteorological conditions flight, just after touchdown, a deer jumped out onto the runway. He added that he made a "hard left turn" into soft grass next to the runway, and as the airplane was almost stopped, the nosewheel collapsed.

The engine mounts and firewall sustained substantial damage.

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

The Federal Aviation Administration Chart Supplement for the airport stated, in part: "Deer on and...[in the vicinity of] airport."

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

A collision with a deer during the landing roll, which resulted in a runway excursion.

Findings

Environmental issues	Animal(s)/bird(s) - Ability to respond/compensate
Environmental issues	Soft surface - Contributed to outcome

Factual Information

History of Flight

Landing-flare/touchdown	Wildlife encounter (non-bird) (Defining event)
Landing-landing roll	Runway excursion
Landing-landing roll	Landing gear collapse

Pilot Information

Certificate:	Private	Age:	71, Male
Airplane Rating(s):	Single-engine land; Multi-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	3-point
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Without waivers/limitations	Last FAA Medical Exam:	November 29, 2016
Occupational Pilot:	No	Last Flight Review or Equivalent:	June 10, 2016
Flight Time:	(Estimated) 4800 hours (Total, all aircraft), 200 hours (Total, this make and model), 110 hours (Last 90 days, all aircraft), 32 hours (Last 30 days, all aircraft), 5 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Piper	Registration:	N41827
Model/Series:	PA46 350P	Aircraft Category:	Airplane
Year of Manufacture:	2000	Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	4636308
Landing Gear Type:	Retractable - Tricycle	Seats:	6
Date/Type of Last Inspection:	May 5, 2016 Annual	Certified Max Gross Wt.:	4358 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	2603.31 Hrs	Engine Manufacturer:	LYCOMING
ELT:	C91 installed, not activated	Engine Model/Series:	TIO-540AE2A
Registered Owner:	DW MILLER CONSTRUCTION INC	Rated Power:	350 Horsepower
Operator:	DW MILLER CONSTRUCTION INC	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	KFKN,39 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	18:34 Local	Direction from Accident Site:	0°
Lowest Cloud Condition:	Scattered / 3100 ft AGL	Visibility	10 miles
Lowest Ceiling:		Visibility (RVR):	
Wind Speed/Gusts:	4 knots /	Turbulence Type Forecast/Actual:	/ None
Wind Direction:	200°	Turbulence Severity Forecast/Actual:	/ N/A
Altimeter Setting:	29.86 inches Hg	Temperature/Dew Point:	31°C / 23°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	CROSS CITY, FL (CTY)	Type of Flight Plan Filed:	None
Destination:	Franklin, VA (FKN)	Type of Clearance:	None
Departure Time:	10:00 Local	Type of Airspace:	Class G

Airport Information

Airport:	FRANKLIN MUNI-JOHN BEVERLY ROS FKN	Runway Surface Type:	Asphalt
Airport Elevation:	39 ft msl	Runway Surface Condition:	Dry
Runway Used:	27	IFR Approach:	None
Runway Length/Width:	4976 ft / 100 ft	VFR Approach/Landing:	Full stop;Straight-in

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	36.700279,-76.902221(est)

Administrative Information

Investigator In Charge (IIC):	Gerhardt, Adam
Additional Participating Persons:	Amber D White; FAA/ FSDO; Richmond, VA
Original Publish Date:	December 15, 2017
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=95692

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