



Aviation Investigation Final Report

Location:	Climax, North Carolina	Accident Number:	GAA16CA304
Date & Time:	June 10, 2016, 13:49 Local	Registration:	N77216
Aircraft:	Cessna 120	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 following a day visual meteorological condition flight, during the landing roll, two deer jumped onto the runway and he swerved the airplane to the right off of the runway, avoiding both deer. During the runway excursion, the right main landing gear became caught in tall grass and the airplane nosed over. The airplane sustained substantial damage to the fuselage, vertical stabilizer, and both wings.

The pilot did not report any mechanical malfunctions or failures with the airplane that would have precluded normal operation.

During a postaccident interview with the airport manager, he reported that the airport does not have a perimeter fence.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: An evasive maneuver during the landing roll to avoid deer on the runway, which resulted in a runway excursion and a nose over. Contributing to the accident was the lack of an airport perimeter fence.

Findings

Environmental issues	Animal(s)/bird(s) - Response/compensation
Environmental issues	(general) - Effect on operation
Environmental issues	(general) - Contributed to outcome
Personnel issues	Aircraft control - Pilot

Factual Information

History of Flight

Landing-landing roll	Wildlife encounter (non-bird) (Defining event)
Landing-landing roll	Runway excursion
Landing-landing roll	Loss of control on ground
Landing-landing roll	Nose over/nose down

Pilot Information

Certificate:	Private	Age:	20, Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Unknown
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 2 Without waivers/limitations	Last FAA Medical Exam:	January 24, 2014
Occupational Pilot:	No	Last Flight Review or Equivalent:	August 5, 2015
Flight Time:	(Estimated) 142 hours (Total, all aircraft), 67 hours (Total, this make and model), 38 hours (Pilot In Command, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N77216
Model/Series:	120 NO SERIES	Aircraft Category:	Airplane
Year of Manufacture:	1946	Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	11678
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:	November 1, 2015 Annual	Certified Max Gross Wt.:	1450 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	2156.54 Hrs as of last inspection	Engine Manufacturer:	Continental
ELT:	C91A installed, not activated	Engine Model/Series:	C-85
Registered Owner:	On file	Rated Power:	85 Horsepower
Operator:	On file	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	KBUY,616 ft msl	Distance from Accident Site:	12 Nautical Miles
Observation Time:	17:54 Local	Direction from Accident Site:	40°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	7 knots /	Turbulence Type Forecast/Actual:	/ None
Wind Direction:	200°	Turbulence Severity Forecast/Actual:	/ N/A
Altimeter Setting:	30.13 inches Hg	Temperature/Dew Point:	27°C / 8°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	SILER CITY, NC (SCR)	Type of Flight Plan Filed:	None
Destination:	Climax, NC (3A4)	Type of Clearance:	None
Departure Time:	13:30 Local	Type of Airspace:	Class G

Airport Information

Airport:	SOUTHEAST GREENSBORO 3A4	Runway Surface Type:	Asphalt
Airport Elevation:	739 ft msl	Runway Surface Condition:	Dry
Runway Used:	17	IFR Approach:	None
Runway Length/Width:	3063 ft / 30 ft	VFR Approach/Landing:	Full stop;Traffic pattern

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:	35.942222,-79.685554(est)

Administrative Information

Investigator In Charge (IIC):	Gerhardt, Adam
Additional Participating Persons:	Clyde McCullough; FAA; Greensboro, NC
Original Publish Date:	August 31, 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=93370

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