



Aviation Investigation Final Report

Location:	Raleigh, North Carolina	Accident Number:	GAA16CA494
Date & Time:	September 16, 2016, 19:50 Local	Registration:	N4002T
Aircraft:	Beech B23	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	2 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot reported that he crossed midfield, entered the traffic pattern, and then flew down the centerline to "view the runway", but it was "getting dark and difficult to see". The pilot further reported that after touchdown the runway conditions were worse than he had expected and "heavy vegetation pulled" the airplane to the left. The airplane veered off the runway to the left and impacted a group of small pine trees.

The airplane sustained substantial damage to the right wing.

The pilot reported no preaccident 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:

The pilot's failure to maintain directional control during the landing roll, which resulted in a runway excursion.

Findings

Aircraft	Directional control - Not attained/maintained
Personnel issues	Aircraft control - Pilot
Environmental issues	(general) - Effect on equipment
Environmental issues	Low light - Effect on personnel
Environmental issues	Tree(s) - Contributed to outcome

Factual Information

History of Flight

Landing	Loss of control on ground (Defining event)
Landing-landing roll	Runway excursion
Landing-landing roll	Collision with terr/obj (non-CFIT)

Pilot Information

Certificate:	Private	Age:	55, Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Lap only
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 With waivers/limitations	Last FAA Medical Exam:	May 6, 2015
Occupational Pilot:	No	Last Flight Review or Equivalent:	July 10, 2015
Flight Time:	(Estimated) 236 hours (Total, all aircraft), 173 hours (Total, this make and model), 12 hours (Last 90 days, all aircraft), 3 hours (Last 30 days, all aircraft)		

Passenger Information

Certificate:		Age:	Female
Airplane Rating(s):		Seat Occupied:	Right
Other Aircraft Rating(s):		Restraint Used:	Lap only
Instrument Rating(s):		Second Pilot Present:	No
Instructor Rating(s):		Toxicology Performed:	No
Medical Certification:		Last FAA Medical Exam:	
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:			

Aircraft and Owner/Operator Information

Aircraft Make:	Beech	Registration:	N4002T
Model/Series:	B23	Aircraft Category:	Airplane
Year of Manufacture:	1969	Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	M-1108
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	November 5, 2015 Annual	Certified Max Gross Wt.:	2300 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	2600 Hrs at time of accident	Engine Manufacturer:	Lycoming
ELT:	Installed, not activated	Engine Model/Series:	O-360-A2G
Registered Owner:	On file	Rated Power:	180 Horsepower
Operator:	On file	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Dusk
Observation Facility, Elevation:	KHRJ,198 ft msl	Distance from Accident Site:	14 Nautical Miles
Observation Time:	23:45 Local	Direction from Accident Site:	187°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	4 knots /	Turbulence Type Forecast/Actual:	/ None
Wind Direction:	50°	Turbulence Severity Forecast/Actual:	/ N/A
Altimeter Setting:	30.14 inches Hg	Temperature/Dew Point:	25°C / 20°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	STATESVILLE, NC (SVH)	Type of Flight Plan Filed:	VFR/IFR
Destination:	Raleigh, NC (5W5)	Type of Clearance:	VFR
Departure Time:	18:36 Local	Type of Airspace:	Class G

Airport Information

Airport:	TRIPLE W 5W5	Runway Surface Type:	Asphalt;Grass/turf
Airport Elevation:	244 ft msl	Runway Surface Condition:	Rough;Vegetation
Runway Used:	16	IFR Approach:	None
Runway Length/Width:	3004 ft / 40 ft	VFR Approach/Landing:	Full stop;Traffic pattern

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	1 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 None	Latitude, Longitude:	35.61861,-78.699165(est)

Administrative Information

Investigator In Charge (IIC):	Vanover, Jackie
Additional Participating Persons:	Larry E Bass; FAA; Greensboro, NC
Original Publish Date:	January 18, 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=94045

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