



AVIATION



HIGHWAY



MARINE



RAILROAD



PIPELINE

# Aviation Investigation Final Report

<b>Location:</b>	LAWRENCEVILLE, Virginia	<b>Accident Number:</b>	GAA18CA448
<b>Date &amp; Time:</b>	July 26, 2018, 15:30 Local	<b>Registration:</b>	N1489B
<b>Aircraft:</b>	Luscombe 8	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Loss of control on ground	<b>Injuries:</b>	1 Minor
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

The pilot of the tailwheel-equipped airplane reported that, during landing, as soon as the main landing gear touched down, the airplane veered left. He tried to correct with right rudder, but the airplane exited the runway to the left into the grass and came to rest inverted.

The airplane sustained substantial damage to the right wing.

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

The automated weather observation station located on the airport reported that, about 5 minutes after the accident, the wind was from 230° at 5 knots. The airplane landed on runway 36.

## 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 with a tailwind.

## Findings

<b>Aircraft</b>	Directional control - Attain/maintain not possible
<b>Personnel issues</b>	Aircraft control - Pilot
<b>Environmental issues</b>	Tailwind - Effect on operation

## Factual Information

### History of Flight

<b>Landing</b>	Loss of control on ground (Defining event)
<b>Landing</b>	Attempted remediation/recovery
<b>Landing</b>	Runway excursion
<b>Landing</b>	Roll over

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	70,Male
<b>Airplane Rating(s):</b>	Single-engine land	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	3-point
<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 3 With waivers/limitations	<b>Last FAA Medical Exam:</b>	June 6, 2018
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	April 20, 2017
<b>Flight Time:</b>	(Estimated) 1089.3 hours (Total, all aircraft), 158.6 hours (Total, this make and model), 1013.5 hours (Pilot In Command, all aircraft), 6.4 hours (Last 90 days, all aircraft), 4 hours (Last 30 days, all aircraft), 3 hours (Last 24 hours, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Luscombe	<b>Registration:</b>	N1489B
<b>Model/Series:</b>	8 F	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>	1948	<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	6116
<b>Landing Gear Type:</b>	Tailwheel	<b>Seats:</b>	2
<b>Date/Type of Last Inspection:</b>	March 14, 2018 Annual	<b>Certified Max Gross Wt.:</b>	1400 lbs
<b>Time Since Last Inspection:</b>		<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	3588.1 Hrs as of last inspection	<b>Engine Manufacturer:</b>	Continental
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	C90-12F
<b>Registered Owner:</b>		<b>Rated Power:</b>	90 Horsepower
<b>Operator:</b>	On file	<b>Operating Certificate(s) Held:</b>	None

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	KLVL, 329 ft msl	<b>Distance from Accident Site:</b>	0 Nautical Miles
<b>Observation Time:</b>	19:35 Local	<b>Direction from Accident Site:</b>	338°
<b>Lowest Cloud Condition:</b>	Scattered / 4300 ft AGL	<b>Visibility</b>	10 miles
<b>Lowest Ceiling:</b>		<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	5 knots /	<b>Turbulence Type Forecast/Actual:</b>	None / None
<b>Wind Direction:</b>	230°	<b>Turbulence Severity Forecast/Actual:</b>	N/A / N/A
<b>Altimeter Setting:</b>	30.01 inches Hg	<b>Temperature/Dew Point:</b>	31°C / 22°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	Smoketown, PA (S37 )	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	LAWRENCEVILLE, VA (LVL )	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	12:46 Local	<b>Type of Airspace:</b>	Class G

## Airport Information

<b>Airport:</b>	LAWRENCEVILLE/BRUNSWICK MUNI LVL	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	328 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	36	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	3020 ft / 50 ft	<b>VFR Approach/Landing:</b>	Full stop

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 Minor	<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 Minor	<b>Latitude, Longitude:</b>	36.772777,-77.793891(est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Benhoff, Kathryn
<b>Additional Participating Persons:</b>	Randy Clark; FAA; Richmond, VA
<b>Original Publish Date:</b>	March 18, 2019
<b>Note:</b>	This accident report documents the factual circumstances of this accident as described to the NTSB.
<b>Investigation Docket:</b>	<a href="https://data.nts.gov/Docket?ProjectID=97907">https://data.nts.gov/Docket?ProjectID=97907</a>

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