



# Aviation Investigation Final Report

<b>Location:</b>	Winder, Georgia	<b>Accident Number:</b>	ATL02LA167
<b>Date &amp; Time:</b>	September 7, 2002, 14:30 Local	<b>Registration:</b>	N7817Y
<b>Aircraft:</b>	Piper PA-30-30	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	3 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

Airplane bounced and porpoised two or three times on attempt to land. It then departed the runway to the left where it struck a metal runway sign and slid approximately 1000 ft from where it left the runway.

## 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 landing roll which resulted in the subsequent collision with an airport sign and the collapse of the main landing gear. the pilot's improper recovery from a bounced landing was a contributing factor.

## Findings

Occurrence #1: LOSS OF CONTROL - ON GROUND/WATER  
Phase of Operation: LANDING

### Findings

1. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND
2. LANDING GEAR,MAIN GEAR - COLLAPSED
3. (F) RECOVERY FROM BOUNCED LANDING - IMPROPER - PILOT IN COMMAND

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Occurrence #2: ON GROUND/WATER COLLISION WITH OBJECT  
Phase of Operation: LANDING - ROLL

Findings

4. OBJECT - AIRPORT SIGN/MARKER

## Factual Information

On September 7, 2002, at 1430 eastern daylight time, a Piper PA-30-30, N7817Y, registered to a private owner and operated by the commercial pilot, collided with a runway sign during landing on runway 05, at the Winder-Barrow airport in Winder, Georgia. The personal flight was operated under the provisions of Title 14 CFR Part 91, and visual flight rules. Visual meteorological conditions prevailed and no flight plan was filed for the local flight. The pilot and two passengers were not injured and the airplane sustained substantial damage. The flight departed Lawrenceville, Georgia, at 1330 on September 7, 2002.

According to the pilot, after flaring to land, the airplane bounced and made a turn to the left at which point he could no longer control it. According to witnesses at the accident site, the airplane porpoised two to three times during the approach to land. After landing, the airplane departed the runway surface at a 45-degree angle and struck a runway sign with the right wing. The left main landing gear collapsed as the airplane spun around. The airplane proceeded tail first across a taxiway and into an open field coming to rest about 1000 feet from the point where the airplane departed the runway.

The airplane sustained damage to the right wing, right aileron, left wing, left landing gear and both flaps. The pilot did not report a mechanical problem with the airplane.

### Pilot Information

<b>Certificate:</b>	Commercial	<b>Age:</b>	38, Male
<b>Airplane Rating(s):</b>	Multi-engine land	<b>Seat Occupied:</b>	Left
<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 3 Valid Medical--no waivers/lim.	<b>Last FAA Medical Exam:</b>	February 8, 2001
<b>Occupational Pilot:</b>	UNK	<b>Last Flight Review or Equivalent:</b>	October 19, 2001
<b>Flight Time:</b>	866 hours (Total, all aircraft), 155 hours (Total, this make and model), 505 hours (Pilot In Command, all aircraft), 20 hours (Last 90 days, all aircraft), 10 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Piper	<b>Registration:</b>	N7817Y
<b>Model/Series:</b>	PA-30-30	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	30-894
<b>Landing Gear Type:</b>	Retractable - Tricycle	<b>Seats:</b>	4
<b>Date/Type of Last Inspection:</b>	August 24, 2002 Annual	<b>Certified Max Gross Wt.:</b>	3600 lbs
<b>Time Since Last Inspection:</b>		<b>Engines:</b>	2 Reciprocating
<b>Airframe Total Time:</b>	7268.2 Hrs as of last inspection	<b>Engine Manufacturer:</b>	Lycoming
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	IO-320B
<b>Registered Owner:</b>	William P Stephen	<b>Rated Power:</b>	160 Horsepower
<b>Operator:</b>	Joel H Sargent	<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>	WDR,943 ft msl	<b>Distance from Accident Site:</b>	0 Nautical Miles
<b>Observation Time:</b>	13:57 Local	<b>Direction from Accident Site:</b>	0°
<b>Lowest Cloud Condition:</b>	Clear	<b>Visibility</b>	5 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	8 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	45°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	30.26 inches Hg	<b>Temperature/Dew Point:</b>	24°C / 20°C
<b>Precipitation and Obscuration:</b>	N/A - None - Haze		
<b>Departure Point:</b>	Winder, GA (WDR )	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	Winder, GA (WDR )	<b>Type of Clearance:</b>	Unknown
<b>Departure Time:</b>	10:30 Local	<b>Type of Airspace:</b>	Class G

## Airport Information

<b>Airport:</b>	Winder-Barrow WDR	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	943 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	050	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	3610 ft / 100 ft	<b>VFR Approach/Landing:</b>	Full stop;Traffic pattern

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	2 None	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	3 None	<b>Latitude, Longitude:</b>	33.969444,-83.668052

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Wilson, Butch
<b>Additional Participating Persons:</b>	George G Bowlus; Atlanta FSDO; College Park, GA
<b>Original Publish Date:</b>	December 30, 2003
<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=55667">https://data.ntsb.gov/Docket?ProjectID=55667</a>

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