



# Aviation Investigation Final Report

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<b>Location:</b>	Bowie, Texas	<b>Accident Number:</b>	DFW06CA192
<b>Date &amp; Time:</b>	July 23, 2006, 09:45 Local	<b>Registration:</b>	N2326Z
<b>Aircraft:</b>	Beech BE23	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	2 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Instructional		

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## Analysis

The airplane collided with trees when the pilot attempted a go-around during an instructional flight. The training flight had been in the closed traffic pattern for Runway 35 (3,603-foot long, by 60-foot wide). According to the flight instructor, the single-engine airplane touched down and began to veer off into grass on the left side of the runway. The flight instructor advised the student to "add some power and turn back onto the runway;" however, the student responded by applying full power while simultaneously pulling back on the yoke. The airplane lifted off the ground and impacted trees that were located on the left side of the runway. The flight instructor reported that at the time of the accident, the wind was from 050 degrees at 9 knots, gusting to 12 knots. The investigator-in-charge calculated the density altitude at 3,311 feet.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The student pilot's failure to maintain clearance from trees. Contributing factors were the prevailing crosswind and improper supervision of the flight by the flight instructor.

## Findings

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Occurrence #1: IN FLIGHT COLLISION WITH OBJECT

Phase of Operation: GO-AROUND (VFR)

### Findings

1. (F) WEATHER CONDITION - CROSSWIND
  2. (C) CLEARANCE - NOT MAINTAINED - DUAL STUDENT
  3. OBJECT - TREE(S)
  4. (F) SUPERVISION - IMPROPER - PILOT IN COMMAND(CFI)
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Occurrence #2: LOSS OF CONTROL - IN FLIGHT

Phase of Operation: GO-AROUND (VFR)

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Occurrence #3: IN FLIGHT COLLISION WITH TERRAIN/WATER

Phase of Operation: DESCENT - UNCONTROLLED

## Factual Information

The 1,202-hour flight instructor collided with trees while attempting a go-around during an instructional flight. The training flight had been in the closed traffic pattern for Runway 35 (3,603-foot long, by 60-foot wide). According to the flight instructor, the single-engine airplane touched down and began to veer off into grass on the left side of the runway. The flight instructor advised the student to "add some power and turn back onto the runway;" however, the student responded by applying full power while simultaneously pulling back on the yoke. The airplane lifted off the ground and impacted trees that were located on the left side of the runway. The flight instructor reported that at the time of the accident, the wind was from 050 degrees at 9 knots, gusting to 12 knots. The investigator-in-charge calculated the density altitude at 3,311 feet.

### Flight instructor Information

<b>Certificate:</b>	Commercial; Flight instructor	<b>Age:</b>	67, Male
<b>Airplane Rating(s):</b>	Single-engine land	<b>Seat Occupied:</b>	Right
<b>Other Aircraft Rating(s):</b>	Glider	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	Yes
<b>Instructor Rating(s):</b>	Airplane single-engine; Instrument airplane	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 3 Without waivers/limitations	<b>Last FAA Medical Exam:</b>	November 1, 2005
<b>Occupational Pilot:</b>	Yes	<b>Last Flight Review or Equivalent:</b>	March 1, 2006
<b>Flight Time:</b>	1202 hours (Total, all aircraft), 253 hours (Total, this make and model), 799 hours (Pilot In Command, all aircraft), 81 hours (Last 90 days, all aircraft), 22 hours (Last 30 days, all aircraft), 3 hours (Last 24 hours, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Beech	<b>Registration:</b>	N2326Z
<b>Model/Series:</b>	BE23	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	M26
<b>Landing Gear Type:</b>	Tricycle	<b>Seats:</b>	4
<b>Date/Type of Last Inspection:</b>	March 1, 2006 Annual	<b>Certified Max Gross Wt.:</b>	1850 lbs
<b>Time Since Last Inspection:</b>		<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	4374 Hrs as of last inspection	<b>Engine Manufacturer:</b>	Lycoming
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	O-320
<b>Registered Owner:</b>	Ray D. Watson	<b>Rated Power:</b>	160 Horsepower
<b>Operator:</b>	Ray D. Watson	<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>	MWL,933 ft msl	<b>Distance from Accident Site:</b>	30 Nautical Miles
<b>Observation Time:</b>	09:53 Local	<b>Direction from Accident Site:</b>	184°
<b>Lowest Cloud Condition:</b>	Clear	<b>Visibility</b>	10 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	10 knots / 0 knots	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	20°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	30.12 inches Hg	<b>Temperature/Dew Point:</b>	31°C / 12°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	Bowie, TX (0F2 )	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	Bowie, TX (0F2 )	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	09:35 Local	<b>Type of Airspace:</b>	

## Airport Information

<b>Airport:</b>	Bowie Municipal Airport 0F2	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	1101 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	35	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	3603 ft / 60 ft	<b>VFR Approach/Landing:</b>	Go around;Traffic pattern

## Wreckage and Impact Information

<b>Crew Injuries:</b>	2 None	<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>	2 None	<b>Latitude, Longitude:</b>	33.601665,-97.775558

## Administrative Information

<b>Investigator In Charge (IIC):</b>	McGill, C Frank
<b>Additional Participating Persons:</b>	Mark Wilborn; Fort Worth, Texas
<b>Original Publish Date:</b>	October 31, 2006
<b>Last Revision Date:</b>	
<b>Investigation Class:</b>	<a href="#">Class</a>
<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=64188">https://data.nts.gov/Docket?ProjectID=64188</a>

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