



# National Transportation Safety Board Aviation Accident Final Report

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<b>Location:</b>	CHARLOTTESVILLE, VA	<b>Accident Number:</b>	BF087LA025
<b>Date &amp; Time:</b>	03/02/1987, 1128 EST	<b>Registration:</b>	N734ZD
<b>Aircraft:</b>	CESSNA 172N	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

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## Analysis

AFTER CLIMBING TO CRUISE ALTITUDE AND NOTING THAT THE WINDS WERE STRONGER THAN EXPECTED, THE PILOT ELECTED TO DIVERT TO CHARLOTTESVILLE. UPON ENTERING THE TRAFFIC PATTERN, THE PILOT NOTED THAT HE WOULD BE LANDING WITH A CROSSWIND FROM THE RIGHT. THE AIRCRAFT TOUCHED DOWN AND TRAVELED ABOUT 100 FEET BEFORE RUNNING OFF THE LEFT SIDE OF THE RUNWAY. WINDS WERE 300 DEGRESS AT 18 KNOTS.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

## Findings

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

### Findings

1. (F) WEATHER CONDITION - CROSSWIND
2. (C) COMPENSATION FOR WIND CONDITIONS - INADEQUATE - PILOT IN COMMAND
3. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND

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Occurrence #2: NOSE DOWN  
Phase of Operation: LANDING - ROLL

## Factual Information

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	38, 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>	Seatbelt, Shoulder harness
<b>Instrument Rating(s):</b>	None	<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>	08/05/1986
<b>Occupational Pilot:</b>	<b>Last Flight Review or Equivalent:</b>		
<b>Flight Time:</b>	119 hours (Total, all aircraft), 119 hours (Total, this make and model), 57 hours (Pilot In Command, all aircraft), 31 hours (Last 90 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	CESSNA	<b>Registration:</b>	N734ZD
<b>Model/Series:</b>	172N 172N	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	No
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	17269237
<b>Landing Gear Type:</b>	Tricycle	<b>Seats:</b>	4
<b>Date/Type of Last Inspection:</b>	Annual	<b>Certified Max Gross Wt.:</b>	2150 lbs
<b>Time Since Last Inspection:</b>	81 Hours	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	1860 Hours	<b>Engine Manufacturer:</b>	LYCOMING
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	O-320
<b>Registered Owner:</b>	WARREN M GRIFFIN	<b>Rated Power:</b>	160 hp
<b>Operator:</b>	WARREN M. GRIFFIN	<b>Operating Certificate(s) Held:</b>	None

## Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	CHO, 641 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	1135 EST	Direction from Accident Site:	0°
Lowest Cloud Condition:	Clear / 0 ft agl	Visibility	30 Miles
Lowest Ceiling:	None / 0 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	18 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	300°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29 inches Hg	Temperature/Dew Point:	12° C
Precipitation and Obscuration:			
Departure Point:	WINTERGREEN, VA (2WO)	Type of Flight Plan Filed:	None
Destination:	STONE MOUNTAIN, GA (CHO)	Type of Clearance:	None
Departure Time:	1100	Type of Airspace:	Class D

## Airport Information

Airport:	CHARLOTTESVILLE-ALBEMARLE (CHO)	Runway Surface Type:	Asphalt
Airport Elevation:	641 ft	Runway Surface Condition:	Dry
Runway Used:	21	IFR Approach:	None
Runway Length/Width:	6001 ft / 150 ft	VFR Approach/Landing:	Full Stop; Traffic Pattern

## Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	

## Administrative Information

Investigator In Charge (IIC):	ALFRED DICKINSON	Report Date:	10/07/1988
Additional Participating Persons:	GEORGE BUSH; RICHMOND, VA		
Publish Date:			
Investigation Docket:	NTSB accident and incident dockets serve as permanent archival information for the NTSB's investigations. Dockets released prior to June 1, 2009 are publicly available from the NTSB's Record Management Division at <a href="mailto:pubinquiry@ntsb.gov">pubinquiry@ntsb.gov</a> , or at 800-877-6799. Dockets released after this date are available at <a href="http://dms.nts.gov/pubdms/">http://dms.nts.gov/pubdms/</a> .		

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The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available [here](#).