



# National Transportation Safety Board Aviation Accident Data Summary

<b>Location:</b>	LUMBERTON, NJ	<b>Accident Number:</b>	BFO93FA001
<b>Date &amp; Time:</b>	11/02/1992, 1140 EST	<b>Registration:</b>	N37958
<b>Aircraft:</b>	PIPER J5A	<b>Injuries:</b>	1 Fatal, 1 Serious
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

## Analysis

SHORTLY AFTER TAKEOFF, THE AIRPLANE STALLED AND IMPACTED THE GROUND ABOUT 200 FEET BEYOND THE DEPARTURE END OF THE RUNWAY. A WITNESS LOCATED AT THE AIRPORT OPERATOR'S BUILDING STATED, '150 FEET OFF EAST END OF RUNWAY 8, THE AIRCRAFT APPEARED TO PULL STRAIGHT UP, TURNED OVER TO THE LEFT, AND CAME STRAIGHT DOWN.' ANOTHER WITNESS, A CERTIFIED FLIGHT INSTRUCTOR, DRIVING IN A CAR NEAR THE ACCIDENT SITE STATED, 'THE AIRCRAFT WAS IN AN EXTREMELY NOSE HIGH ATTITUDE. THE AIRCRAFT APPEARED TO BE JUST ABOVE THE TREE LINE WHEN WE NOTICED THE WING DROP AND THE AIRCRAFT APPEARED TO ENTER A SPIN.' EXAMINATION OF THE WRECKAGE REVEALED NO AIRFRAME OR ENGINE ANOMALIES. THE ELEVATOR WAS TRIMMED TO THE FULL NOSE UP POSITION. AT THE TIME OF THE ACCIDENT, THE PILOT, A CERTIFIED FLIGHT INSTRUCTOR, HAD ACCRUED ABOUT 617 FLIGHT HOURS, OF WHICH, 42 HOURS WERE IN THE ACCIDENT AIRPLANE. THE PASSENGER IN THE BACK SEAT RECEIVED SERIOUS INJURIES AND DOES NOT REMEMBER THE ACCIDENT OR THE 24 HOURS PRECEDING THE ACCIDENT.

## Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE PILOT'S FAILURE TO MAINTAIN ADEQUATE AIRSPEED WHICH RESULTED IN AN INADVERTENT STALL AND AN UNCONTROLLED DESCENT AT AN ALTITUDE NOT POSSIBLE FOR RECOVERY.

## Findings

Occurrence #1: LOSS OF CONTROL - IN FLIGHT  
Phase of Operation: TAKEOFF

### Findings

1. (C) AIRSPEED - NOT MAINTAINED - PILOT IN COMMAND
2. (C) STALL/SPIN - INADVERTENT - PILOT IN COMMAND
3. REMEDIAL ACTION - NOT POSSIBLE - PILOT IN COMMAND

-----

Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER  
Phase of Operation: DESCENT - UNCONTROLLED

## Pilot Information

<b>Certificate:</b>	Flight Instructor; Commercial	<b>Age:</b>	27
<b>Airplane Rating(s):</b>	Single-engine Land	<b>Instrument Rating(s):</b>	Airplane
<b>Other Aircraft Rating(s):</b>	None	<b>Instructor Rating(s):</b>	Airplane Single-engine
<b>Flight Time:</b>	617 hours (Total, all aircraft), 42 hours (Total, this make and model), 582 hours (Pilot In Command, all aircraft), 90 hours (Last 90 days, all aircraft), 37 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>	N37958
<b>Model/Series:</b>	J5A J5A	<b>Engines:</b>	1 Reciprocating
<b>Operator:</b>	SOUTH JERSEY FLYERS	<b>Engine Manufacturer:</b>	CONTINENTAL
<b>Operating Certificate(s) Held:</b>	None	<b>Engine Model/Series:</b>	A658
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual Conditions	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	PHL, 21 ft msl	<b>Weather Information Source:</b>	Weather Observation Facility
<b>Lowest Ceiling:</b>	Overcast / 2400 ft agl	<b>Wind Speed/Gusts, Direction:</b>	Calm / ,
<b>Temperature:</b>	8° C	<b>Visibility</b>	6 Miles
<b>Precipitation and Obscuration:</b>			
<b>Departure Point:</b>	<b>Destination:</b>		

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 Fatal	<b>Aircraft Damage:</b>	Destroyed
<b>Passenger Injuries:</b>	1 Serious	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Latitude, Longitude:</b>			

## Administrative Information

<b>Investigator In Charge (IIC):</b>	MARGARET B NAPOLITAN	<b>Adopted Date:</b>	09/28/1993
<b>Investigation Docket:</b>	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:pubin@ntsb.gov">pubin@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> .		

The National Transportation Safety Board (NTSB), established in 1967, is an independent federal agency mandated by Congress through the Independent Safety Board Act of 1974 to investigate transportation accidents, determine the probable causes of the accidents, issue safety recommendations, study transportation safety issues, and evaluate the safety effectiveness of government agencies involved in transportation. The NTSB makes public its actions and decisions through accident reports, safety studies, special investigation reports, safety recommendations, and statistical reviews.

---

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.