



National Transportation Safety Board Aviation Accident Data Summary

Location:	CENTRE HALL, PA	Accident Number:	BFO93LA154
Date & Time:	09/02/1993, 1750 EDT	Registration:	N2406U
Aircraft:	PIPER PA-28-161	Injuries:	4 None
Flight Conducted Under:	Part 91: General Aviation - - Sightseeing		

Analysis

THE PILOT AND THREE PASSENGERS WERE ON A LOCAL SIGHTSEEING FLIGHT WHEN ON HIS RETURN TO THE AIRPORT, ONE OF THE PASSENGERS IN THE REAR SEAT BECAME ILL. THE PILOT STATED THAT HE EXPEDITED THE APPROACH BY REDUCING THE POWER TO IDLE, AND COMMENCING A DESCENT OF ABOUT 1000 FEET PER MINUTE ON THE DOWNWIND LEG. HE STATED THAT THE AIRPLANE TOUCHED DOWN MIDFIELD AND HE WAS UNABLE TO STOP THE AIRPLANE IN TIME TO AVOID THE EMBANKMENT (BERM) AT THE END OF THE RUNWAY. THE AIRPLANE STRUCK THE EMBANKMENT AND CAME TO REST ABOUT 60 FEET FROM THE END OF THE RUNWAY. THE PILOT STATED THAT THERE WAS NO MECHANICAL MALFUNCTION.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE PILOT MISJUDGED HIS AIRSPEED AND ALTITUDE WHICH RESULTED IN THE PILOT'S FAILURE TO ATTAIN THE PROPER TOUCHDOWN POINT RESULTING IN THE AIRPLANE EXITING THE RUNWAY AND COLLIDING WITH THE BERM. A RELATED FACTOR WAS THE LOCATION OF THE BERM.

Findings

Occurrence #1: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER
Phase of Operation: LANDING

Findings

1. (C) ALTITUDE - MISJUDGED - PILOT IN COMMAND
2. (C) AIRSPEED - MISJUDGED - PILOT IN COMMAND
3. (C) PROPER TOUCHDOWN POINT - NOT ATTAINED - PILOT IN COMMAND
4. (F) TERRAIN CONDITION - BERM

Pilot Information

Certificate:	Commercial	Age:	33
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	2105 hours (Total, all aircraft), 167 hours (Total, this make and model), 844 hours (Pilot In Command, all aircraft), 63 hours (Last 90 days, all aircraft), 53 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	PIPER	Registration:	N2406U
Model/Series:	PA-28-161 PA-28-161	Engines:	1 Reciprocating
Operator:	AIR ATLANTIC AIRLINES INC.	Engine Manufacturer:	LYCOMING
Operating Certificate(s) Held:	None	Engine Model/Series:	O-320-D3G
Flight Conducted Under:	Part 91: General Aviation - - Sightseeing		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	N74, 1260 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	Overcast / 10000 ft agl	Wind Speed/Gusts, Direction:	Calm / ,
Temperature:	29° C	Visibility	6 Miles
Precipitation and Obscuration:			
Departure Point:		Destination:	

Airport Information

Airport:	PENNS CAVE (N74)	Runway Surface Type:	Asphalt
Runway Used:	25	Runway Surface Condition:	Dry
Runway Length/Width:	2490 ft / 40 ft		

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	3 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Latitude, Longitude:			

Administrative Information

Investigator In Charge (IIC): BEVERLEY JOHNSON,

Adopted Date: 10/20/1994

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 pubinq@ntsb.gov, or at 800-877-6799. Dockets released after this date are available at <http://dms.nts.gov/pubdms/>.

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