



National Transportation Safety Board Aviation Accident Final Report

Location:	MIAMI, FL	Accident Number:	MIA85LA001
Date & Time:	10/02/1984, 1246 EDT	Registration:	N2427P
Aircraft:	PIPER PA-38-112	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 Minor, 1 None

Flight Conducted Under: Part 91: General Aviation - Instructional

Analysis

THE RATED PILOT AND CERTIFIED FLT INSTRUCTOR STATED THAT THEY WERE PRACTICING AGRICULTURAL DIVES AND TURNS. DURING A DIVE, THE PILOT PULLED OUT OF THE DIVE AT ABOUT 5 FEET AND THE AIRCRAFT CONTACTED SAWGRASS AND CRASHED. THE INSTRUCTOR PILOT INITIALLY STATED THAT THE ENGINE FAILED BUT LATER STATED THAT THE STUDENT 'FAILED TO ADD ENOUGH POWER AND THE PLANE WENT INTO THE SWAMP.'

Probable Cause and Findings

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

Findings

Occurrence #1: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: MANEUVERING - AERIAL APPLICATION

Findings

1. LOW PASS - ATTEMPTED - DUAL STUDENT
2. (F) DUAL STUDENT
3. (C) PULL-UP - DELAYED - DUAL STUDENT
4. (C) PROPER ALTITUDE - NOT MAINTAINED - DUAL STUDENT
5. (C) REMEDIAL ACTION - NOT PERFORMED - PILOT IN COMMAND(CFI)
6. TERRAIN CONDITION - SOFT
7. TERRAIN CONDITION - HIGH VEGETATION

Factual Information

Pilot Information

Certificate:	Commercial	Age:	27, Male
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Right
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	Airplane	Second Pilot Present:	Yes
Instructor Rating(s):	Airplane Single-engine	Toxicology Performed:	No
Medical Certification:	Class 2 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	07/26/1984
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	403 hours (Total, all aircraft), 11 hours (Total, this make and model), 133 hours (Pilot In Command, all aircraft), 63 hours (Last 90 days, all aircraft), 34 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	PIPER	Registration:	N2427P
Model/Series:	PA-38-112 PA-38-112	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	38-79A1027
Landing Gear Type:	Tricycle	Seats:	2
Date/Type of Last Inspection:	07/12/1984, 100 Hour	Certified Max Gross Wt.:	1670 lbs
Time Since Last Inspection:	186 Hours	Engines:	1 Reciprocating
Airframe Total Time:	1764 Hours	Engine Manufacturer:	AVCO LYCOMING
ELT:	Installed, not activated	Engine Model/Series:	O-235-L2C
Registered Owner:	LAUDERDALE AVIATION INC.	Rated Power:	112 hp
Operator:	LAUDERDALE AVIATION INC.	Operating Certificate(s) Held:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	MIA, 14 ft msl	Distance from Accident Site:	24 Nautical Miles
Observation Time:	1300 EDT	Direction from Accident Site:	195°
Lowest Cloud Condition:	Unknown / 2500 ft agl	Visibility	7 Miles
Lowest Ceiling:	Broken / 2500 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	12 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	40°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	26° C / 19° C
Precipitation and Obscuration:			
Departure Point:	FT.LAUDERDALE, FL (FLL)	Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	1120 EDT	Type of Airspace:	Class G

Airport Information

Airport:		Runway Surface Type:	
Airport Elevation:		Runway Surface Condition:	
Runway Used:	0	IFR Approach:	
Runway Length/Width:		VFR Approach/Landing:	

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	ANDREW A ALSTON	Report Date:	
Additional Participating Persons:	CHUCK SMITH; MIAMI, FL		
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 pubinq@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .		

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. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available [here](#).