



National Transportation Safety Board Aviation Accident Final Report

Location:	LESTER, WA	Accident Number:	SEA93FA046
Date & Time:	12/25/1992, 2137 PST	Registration:	N111MN
Aircraft:	AERO COMMANDER 680FL	Aircraft Damage:	Destroyed
Defining Event:		Injuries:	1 Fatal
Flight Conducted Under:	Part 135: Air Taxi & Commuter - Non-scheduled		

Analysis

AFTER DEPARTURE, THE AIRPLANE INTERCEPTED AIRWAY V-2, AND APPEARED TO CLIMB NORMALLY UNTIL REACHING 8300 FT (9000 ASSIGNED) WHILE TRACKING APRX 110 DEG MAG. RADAR ANALYSIS SHOWED THE AIRPLANE AT 128 KIAS WHEN IT ABRUPTLY TURNED LEFT 30 DEG AND THEN APPEARED TO RECOVER. VOICE COMMUNICATION DURING THIS EVENT WAS NORMAL WITH NO CHANGE IN THE PILOT'S LEVEL OF ANXIETY. IMMEDIATELY THEREAFTER, THE HEADING CHANGED OVER 90 DEG TO THE LEFT (NORTHBOUND), AND A MAXIMUM 6750 FPM RATE OF DESCENT DEVELOPED BEFORE THE HEADING STABILIZED AND THE DESCENT SLOWED. THE AIRPLANE'S GROUND IMPACT SITE WAS APRX 1 NM SW OF THE LAST RADAR TARGET. WRECKAGE DISTRIBUTION WAS ROUGHLY PARALLEL TO V-2. THE AIRPLANE IMPACTED THE MOUNTAINSIDE IN A STEEP NOSE LOW, LEFT WING DOWN ATTITUDE. THE ENGINES, PROPELLERS/GOVERNORS WERE DISASSEMBLED AND INSPECTED WITH NO EVIDENCE OF MECHANICAL MALFUNCTION. EXAM OF THE LEFT PROPELLER INDICATED LOW POWER ON IMPACT. THERE WAS NO EVIDENCE OF SIGNIFICANT ICING/TURBULENCE.

Probable Cause and Findings

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

Findings

Occurrence #1: LOSS OF CONTROL - IN FLIGHT
Phase of Operation: CLIMB - TO CRUISE

Findings

1. (C) REASON FOR OCCURRENCE UNDETERMINED

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

Factual Information

Pilot Information

Certificate:	Airline Transport; Flight Instructor	Age:	36, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	Airplane Multi-engine; Airplane Single-engine; Instrument Airplane	Toxicology Performed:	Yes
Medical Certification:	Class 1 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	07/08/1992
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	3108 hours (Total, all aircraft), 138 hours (Total, this make and model), 2629 hours (Pilot In Command, all aircraft), 151 hours (Last 90 days, all aircraft), 62 hours (Last 30 days, all aircraft), 3 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	AERO COMMANDER	Registration:	N111MN
Model/Series:	680FL 680FL	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	1806-150
Landing Gear Type:	Retractable - Tricycle	Seats:	2
Date/Type of Last Inspection:	12/01/1992, AAIP	Certified Max Gross Wt.:	8500 lbs
Time Since Last Inspection:	42 Hours	Engines:	2 Reciprocating
Airframe Total Time:	11219 Hours	Engine Manufacturer:	LYCOMING
ELT:	Installed, activated, aided in locating accident	Engine Model/Series:	IO-720-B1B
Registered Owner:	CORPORATE AIR	Rated Power:	400 hp
Operator:	CORPORATE AIR	Operating Certificate(s) Held:	On-demand Air Taxi (135)
Operator Does Business As:		Operator Designator Code:	HSYA

Meteorological Information and Flight Plan

Conditions at Accident Site:	Unknown	Condition of Light:	Night/Dark
Observation Facility, Elevation:	SEA, 429 ft msl	Distance from Accident Site:	35 Nautical Miles
Observation Time:	2150 PST	Direction from Accident Site:	268°
Lowest Cloud Condition:	Unknown / 900 ft agl	Visibility	4 Miles
Lowest Ceiling:	Broken / 900 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	11 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	180°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29 inches Hg	Temperature/Dew Point:	4°C / 3°C
Precipitation and Obscuration:			
Departure Point:	SEATTLE, WA (SEA)	Type of Flight Plan Filed:	IFR
Destination:	SPOKANE, WA (GEG)	Type of Clearance:	IFR
Departure Time:	2121 PST	Type of Airspace:	Class E

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	STEVEN A MCCREARY	Report Date:	12/16/1993
Additional Participating Persons:	BUCKY COONS/ROBERT ARCHIBALD; RENTON, WA THOMAS DUDDY/RICHARD FULLERTO; WILLIAMSPORT, PA ROBERT STOLL; HARRISBURG, PA ROGER STALLKAMP/JOE HAHN; PIQUA, OH		
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/ .		

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