



National Transportation Safety Board Aviation Accident Final Report

Location:	BILLINGS, MT	Accident Number:	DEN86FA128
Date & Time:	05/07/1986, 2345 MDT	Registration:	N577KA
Aircraft:	SWEARINGEN SA226AT	Aircraft Damage:	Destroyed
Defining Event:		Injuries:	1 Fatal
Flight Conducted Under:	Part 135: Air Taxi & Commuter - Non-scheduled		

Analysis

WHILE ON AN IFR FLT PLAN IN IMC, THE PLT EXECUTED A MISSED APPROACH AFTER FLYING A LOCALIZER BACK COURSE 27 APPROACH. DURING A SUBSEQUENT ILS RWY 09L APPROACH, RADIO AND RADAR CONTACT WITH THE ACFT WAS LOST. THE ACFT WRECKAGE WAS LOCATED ON THE INBOUND APPROACH COURSE 1/2 MILE EAST OF THE SAIGE LOCATOR OUTER MARKER. THE ACFT WAS DESTROYED BY IMPACT FORCES AND A POST IMPACT FIRE. THE AUTOPSY AND MEDICAL HISTORY OF THE PLT LED TO A CONCLUSION THAT HE WAS INCAPACITATED AT THE TIME OF IMPACT. THE PLTS FLT TIME WAS NOT REPORTED AND HIS LOGS WERE NOT LOCATED.

Probable Cause and Findings

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

Findings

Occurrence #1: LOSS OF CONTROL - IN FLIGHT
Phase of Operation: APPROACH - FAF/OUTER MARKER TO THRESHOLD (IFR)

Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: APPROACH - FAF/OUTER MARKER TO THRESHOLD (IFR)

Findings

1. (C) PHYSICAL IMPAIRMENT(OTHER CARDIOVASCULAR) - PILOT IN COMMAND

Factual Information

Pilot Information

Certificate:	Airline Transport; Flight Instructor	Age:	49, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	Airplane Multi-engine; Airplane Single-engine	Toxicology Performed:	Yes
Medical Certification:	Class 2 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	06/24/1985
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:			

Aircraft and Owner/Operator Information

Aircraft Make:	SWEARINGEN	Registration:	N577KA
Model/Series:	SA226AT SA226AT	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	AT008
Landing Gear Type:	Retractable - Tricycle	Seats:	14
Date/Type of Last Inspection:	04/28/1986, AAIP	Certified Max Gross Wt.:	12500 lbs
Time Since Last Inspection:	50 Hours	Engines:	2 Turbo Prop
Airframe Total Time:	2950 Hours	Engine Manufacturer:	GARRETT
ELT:	Installed, not activated	Engine Model/Series:	TPE331-3U303G
Registered Owner:	CAREER AVIATION SALES INC.	Rated Power:	840 hp
Operator:	LESTER C. BARCKLEY	Operating Certificate(s) Held:	On-demand Air Taxi (135)
Operator Does Business As:	BARCKLEY AIRLINES	Operator Designator Code:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Instrument Conditions	Condition of Light:	Night/Dark
Observation Facility, Elevation:	BIL, 3649 ft msl	Distance from Accident Site:	5 Nautical Miles
Observation Time:	2353 MDT	Direction from Accident Site:	95°
Lowest Cloud Condition:	Unknown / 0 ft agl	Visibility	15 Miles
Lowest Ceiling:	Overcast / 300 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	9 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	30°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29 inches Hg	Temperature/Dew Point:	2°C / 1°C
Precipitation and Obscuration:			
Departure Point:	HELENA, MT (HLN)	Type of Flight Plan Filed:	IFR
Destination:	BILLINGS, MT (BIL)	Type of Clearance:	IFR
Departure Time:	2227 MDT	Type of Airspace:	Class E

Airport Information

Airport:	LOGAN (BIL)	Runway Surface Type:	Asphalt
Airport Elevation:	3649 ft	Runway Surface Condition:	Wet
Runway Used:	9L	IFR Approach:	Localizer Only
Runway Length/Width:	10500 ft / 150 ft	VFR Approach/Landing:	None

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	PRENTISS E MANGUM	Report Date:	
Additional Participating Persons:	AL RISE; HELENA, MT KARL PFITZER; PHOENIX, AZ J D MORGAN; SAN ANTONIO, TX R A STANGER; SAN ANTONIO, TX		
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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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](#).