



# National Transportation Safety Board Aviation Accident Final Report

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<b>Location:</b>	CRYSTAL BAY, NV	<b>Accident Number:</b>	SEA87FA141
<b>Date &amp; Time:</b>	07/17/1987, 1930 PDT	<b>Registration:</b>	N1870S
<b>Aircraft:</b>	BEECH B200	<b>Aircraft Damage:</b>	Destroyed
<b>Defining Event:</b>		<b>Injuries:</b>	4 Fatal
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

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## Analysis

WHILE ON AN INSTRUMENT FLIGHT PLAN IN IMC, THE FLIGHT WAS CLEARED FOR AN INSTRUMENT APPROACH TO THE SOUTH LAKE TAHOE AIRPORT, THE INTENDED DESTINATION. THE AIRCRAFT DEPARTED THE INITIAL APPROACH FIX ON THE PUBLISHED TRANSITION TO THE FINAL APPROACH COURSE. RADAR CONTACT WAS LOST AT 11,400 FEET. AFTERWARD, THE ACFT WAS OBSERVED DESCENDING OUT OF CLOUDS AND MANUEVERING ERRATICALLY IN VMC UNTIL IT IMPACTED TERRAIN WITH NO APPARENT ATTEMPT TO RECOVER. MEDICAL RECORDS REVEALED PILOT HAD A HISTORY OF HYPERTENSION, HYPERLIPIDEMIA, AND RECENT LOSS OF 41 POUNDS ON A RIGID WEIGHT LOSS PROGRAM. THE AUTOPSY REVEALED SEVERE ARTERIOSCLOROSIS. MEDICAL RECORDS INDICATED THE PILOT HAD BEEN TAKING DIAZIDE INTERMITTENTLY FOR SEVERAL YEARS. POST-ACCIDENT TOX RESULTS WERE NEGATIVE. THE CIRCUMSTANCES OF THE ACCIDENT, IN COMBINATION WITH THE PILOT'S SEVERE DIET, MEDICAL HISTORY, AND POSTMORTEM EXAMINATION RESULTS SUPPORT THE CONCLUSION THAT THE PILOT BECAME INCAPACITATED IN FLIGHT.

## Probable Cause and Findings

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

## Findings

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Occurrence #1: LOSS OF CONTROL - IN FLIGHT

Phase of Operation: APPROACH - IAF TO FAF/OUTER MARKER (IFR)

Findings

1. (C) INCAPACITATION(OTHER CARDIOVASCULAR) - PILOT IN COMMAND

## Factual Information

### Pilot Information

<b>Certificate:</b>	Commercial	<b>Age:</b>	54, Male
<b>Airplane Rating(s):</b>	Multi-engine Land; Single-engine Land	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	Yes
<b>Medical Certification:</b>	Class 1 Valid Medical--w/ waivers/lim.	<b>Last Medical Exam:</b>	01/10/1987
<b>Occupational Pilot:</b>		<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	3995 hours (Total, all aircraft), 381 hours (Total, this make and model), 3995 hours (Pilot In Command, all aircraft), 15 hours (Last 90 days, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Manufacturer:</b>	BEECH	<b>Registration:</b>	N1870S
<b>Model/Series:</b>	B200 B200	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	No
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	BB1106
<b>Landing Gear Type:</b>	Retractable - Tricycle	<b>Seats:</b>	11
<b>Date/Type of Last Inspection:</b>	07/14/1987, Continuous Airworthiness	<b>Certified Max Gross Wt.:</b>	12500 lbs
<b>Time Since Last Inspection:</b>	1 Hours	<b>Engines:</b>	2 Turbo Prop
<b>Airframe Total Time:</b>	478 Hours	<b>Engine Manufacturer:</b>	P&W
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	PT6A-42
<b>Registered Owner:</b>	SKYWATER LODGE	<b>Rated Power:</b>	850 hp
<b>Operator:</b>	RICHARD P. LIEBERMAN	<b>Air Carrier Operating Certificate:</b>	None

## Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	3SW, 6264 ft msl	Observation Time:	1942 PDT
Distance from Accident Site:	20 Nautical Miles	Direction from Accident Site:	155°
Lowest Cloud Condition:	Unknown / 0 ft agl	Temperature/Dew Point:	6° C / -2° C
Lowest Ceiling:	Broken / 3200 ft agl	Visibility	30 Miles
Wind Speed/Gusts, Direction:	8 knots, 160°	Visibility (RVR):	0 ft
Altimeter Setting:	29 inches Hg	Visibility (RVV):	0 Miles
Precipitation and Obscuration:			
Departure Point:	HAYWARD, CA (HWD)	Type of Flight Plan Filed:	IFR
Destination:	S. LAKE TAHOE, CA (3SW)	Type of Clearance:	IFR
Departure Time:	1844 PDT	Type of Airspace:	Class E

## Airport Information

Airport:	SOUTH LAKE TAHOE (TVL)	Runway Surface Type:	Asphalt
Airport Elevation:	6264 ft	Runway Surface Condition:	
Runway Used:	18	IFR Approach:	LDA
Runway Length/Width:	8544 ft / 150 ft	VFR Approach/Landing:	None

## Wreckage and Impact Information

Crew Injuries:	1 Fatal	Aircraft Damage:	Destroyed
Passenger Injuries:	3 Fatal	Aircraft Fire:	On-Ground
Ground Injuries:	N/A	Aircraft Explosion:	On-Ground
Total Injuries:	4 Fatal	Latitude, Longitude:	

## Administrative Information

Investigator In Charge (IIC):	PRENTISS E MANGUM	Adopted Date:	05/19/1989
Additional Participating Persons:	TOM F HOWELL; RENO, NV MIKE MCCLURE; WICHITA, KS ROGER STALLKAMP; PIQUA, OH JAMES JENSEN; LOS ALTOS, CA		
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 <a href="mailto:pubinq@ntsb.gov">pubinq@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> .		

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