



# Aviation Investigation Final Report

<b>Location:</b>	PORT ALSWORTH, Alaska	<b>Accident Number:</b>	ANC93LA041
<b>Date &amp; Time:</b>	March 8, 1993, 15:30 Local	<b>Registration:</b>	N9737G
<b>Aircraft:</b>	CESSNA 180H	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	1 Serious, 1 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

THE NON INSTRUMENT RATED PRIVATE PILOT REPORTED THAT HE ENTERED WHITEOUT CONDITIONS CAUSED BY BLOWING SNOW SHORTLY AFTER BECOMING AIRBORNE AND UNINTENTIONALLY ALLOWED THE PLANE TO DESCEND AND COLLIDE WITH THE FROZEN SURFACE OF THE LAKE. THE PILOT FURTHER REPORTED THAT HE DID NOT HAVE A CURRENT BIENNIAL FLIGHT REVIEW (BFR) OR FLIGHT MEDICAL AND THAT HE DID NOT RECALL HAVING RECEIVED INSTRUCTION ON HOW TO EXECUTE A 180 DEGREE CHANGE OF DIRECTION TURN USING ONLY THE BASIC (PARTIAL PANEL) FLIGHT INSTRUMENTS.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE NON INSTRUMENT RATED PILOT IN COMMAND ENTERING INSTRUMENT METEOROLOGICAL CONDITIONS. A FACTOR IN THE ACCIDENT WAS THE SNOW/WHITEOUT CONDITION.

## Findings

Occurrence #1: IN FLIGHT COLLISION WITH TERRAIN/WATER  
Phase of Operation: CRUISE

### Findings

1. (C) VFR FLIGHT INTO IMC - PERFORMED - PILOT IN COMMAND

2. (F) WEATHER CONDITION - SNOW
3. (F) WEATHER CONDITION - WHITEOUT

## Factual Information

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	59, Male
<b>Airplane Rating(s):</b>	Single-engine land	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	None	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 3 Expired	<b>Last FAA Medical Exam:</b>	February 18, 1991
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	4000 hours (Total, all aircraft), 1400 hours (Total, this make and model), 4000 hours (Pilot In Command, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	CESSNA	<b>Registration:</b>	N9737G
<b>Model/Series:</b>	180H 180H	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	18052237
<b>Landing Gear Type:</b>	Tailwheel	<b>Seats:</b>	2
<b>Date/Type of Last Inspection:</b>	February 1, 1992 Annual	<b>Certified Max Gross Wt.:</b>	2800 lbs
<b>Time Since Last Inspection:</b>	127 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	2400 Hrs	<b>Engine Manufacturer:</b>	CONTINENTAL
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	O-470R
<b>Registered Owner:</b>	HORNBERGER, CHARLES G.	<b>Rated Power:</b>	235 Horsepower
<b>Operator:</b>	HORNBERGER, CHARLES G.	<b>Operating Certificate(s) Held:</b>	None
<b>Operator Does Business As:</b>		<b>Operator Designator Code:</b>	

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Instrument (IMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>		<b>Distance from Accident Site:</b>	
<b>Observation Time:</b>		<b>Direction from Accident Site:</b>	
<b>Lowest Cloud Condition:</b>	Unknown / 1000 ft AGL	<b>Visibility</b>	2 miles
<b>Lowest Ceiling:</b>	Overcast / 1000 ft AGL	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	10 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	230°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>		<b>Temperature/Dew Point:</b>	-1°C
<b>Precipitation and Obscuration:</b>	N/A - Blowing - Snow		
<b>Departure Point:</b>		<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	KOKSETNA LODGE , AK	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	15:15 Local	<b>Type of Airspace:</b>	Class G

## Airport Information

<b>Airport:</b>		<b>Runway Surface Type:</b>	
<b>Airport Elevation:</b>		<b>Runway Surface Condition:</b>	
<b>Runway Used:</b>	0	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>		<b>VFR Approach/Landing:</b>	None

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	1 Serious	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	1 Serious, 1 None	<b>Latitude, Longitude:</b>	60.199417,-154.280044(est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Borson, Timothy
<b>Additional Participating Persons:</b>	MICHAEL HINES; ANCHORAGE , AK
<b>Original Publish Date:</b>	November 3, 1993
<b>Last Revision Date:</b>	
<b>Investigation Class:</b>	<a href="#">Class</a>
<b>Note:</b>	
<b>Investigation Docket:</b>	<a href="https://data.nts.gov/Docket?ProjectID=5868">https://data.nts.gov/Docket?ProjectID=5868</a>

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