



# National Transportation Safety Board Aviation Accident Data Summary

<b>Location:</b>	AMITCHIAK LAKE, AK	<b>Accident Number:</b>	ANC91FA115
<b>Date &amp; Time:</b>	08/01/1991, 1515 AKD	<b>Registration:</b>	N1687M
<b>Aircraft:</b>	CESSNA A185F	<b>Injuries:</b>	2 Fatal
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Business		

## Analysis

AMITCHIAK LAKE IS LOCATED IN A MOUNTAIN VALLEY WITH A FIELD ELEVATION OF 2,500 FEET. THE WIND WAS BLOWING FROM THE NORTH, NORTHWEST. THE AIRPLANE TOOK OFF INTO THE WIND AND HAD TO MAKE A TURN TO AVOID RISING TERRAIN. THE TAKEOFF AREA WAS DIRECTLY DOWNWIND OF RISING TERRAIN. ACCORDING TO THE WITNESS, THE AIRPLANE BANKED TO THE LEFT AND WAS FLYING IN A SOUTH, SOUTHWESTERLY DIRECTION OVER THE WATER WHEN THE AIRPLANE'S NOSE WENT DOWN AND THE AIRPLANE NOSED INTO THE WATER. EXAMINATION OF THE AIRPLANE WRECKAGE SHOWED NO MECHANICAL IRREGULARITY WITH THE FLIGHT CONTROLS, ENGINE, AND OTHER SYSTEMS ON THE AIRPLANE.

## Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE PILOT'S FAILURE TO MAINTAIN THE AIRPLANE'S AIRSPEED ABOVE STALLING; THEREBY LOSING CONTROL. FACTORS CONTRIBUTING TO THE ACCIDENT WERE THE MOUNTAINOUS TERRAIN, THE MOUNTAIN WAVE, AND INSUFFICIENT ALTITUDE FROM WHICH TO RECOVER.

## Findings

Occurrence #1: LOSS OF CONTROL - IN FLIGHT  
Phase of Operation: MANEUVERING

### Findings

1. (C) AIRSPEED(VS) - NOT MAINTAINED - PILOT IN COMMAND
  2. (C) STALL - INADVERTENT - PILOT IN COMMAND
  3. (F) TERRAIN CONDITION - MOUNTAINOUS/HILLY
  4. (F) WEATHER CONDITION - MOUNTAIN WAVE
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Occurrence #2: DRAGGED WING, ROTOR, POD, FLOAT OR TAIL/SKID  
Phase of Operation: DESCENT - UNCONTROLLED

### Findings

5. (F) ALTITUDE - INADEQUATE - PILOT IN COMMAND

## Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	51
<b>Airplane Rating(s):</b>	Single-engine Land; Single-engine Sea	<b>Instrument Rating(s):</b>	Airplane
<b>Other Aircraft Rating(s):</b>	None	<b>Instructor Rating(s):</b>	None
<b>Flight Time:</b>	5000 hours (Total, all aircraft), 30 hours (Last 90 days, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	CESSNA	<b>Registration:</b>	N1687M
<b>Model/Series:</b>	A185F A185F	<b>Engines:</b>	1 Reciprocating
<b>Operator:</b>	GAEDEKE, BERND A.	<b>Engine Manufacturer:</b>	CONTINENTAL
<b>Operating Certificate(s) Held:</b>	None	<b>Engine Model/Series:</b>	IO-520-F
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Business		

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual Conditions	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	, 0 ft msl	<b>Weather Information Source:</b>	Witness
<b>Lowest Ceiling:</b>	Overcast / 10000 ft agl	<b>Wind Speed/Gusts, Direction:</b>	20 knots / 30 knots, 360°
<b>Temperature:</b>	10° C	<b>Visibility</b>	15 Miles
<b>Precipitation and Obscuration:</b>			
<b>Departure Point:</b>	<b>Destination:</b>		

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 Fatal	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	1 Fatal	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Latitude, Longitude:</b>			

## Administrative Information

<b>Investigator In Charge (IIC):</b>	George Kobelnyk	<b>Adopted Date:</b>	03/31/1993
<b>Investigation Docket:</b>	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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