



National Transportation Safety Board Aviation Accident Data Summary

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|--------------------------------|--------------------------------------|-------------------------|-------------------------------------|
| Location: | ILIAMNA, AK | Accident Number: | ANC90FA105 |
| Date & Time: | 07/01/1990, 1730 AKD | Registration: | N185KA |
| Aircraft: | CESSNA 185 | Injuries: | 2 Fatal, 1 Serious, 1 Minor, 2 None |
| Flight Conducted Under: | Part 91: General Aviation - Personal | | |

Analysis

THE PILOT ELECTED TO TAKE OFF FROM A REMOTE LAKE IN GUSTY, TURBULENT WIND CONDITIONS. THE AIRPLANE WAS ESTIMATED TO BE 245 POUNDS OVER GROSS ALLOWABLE WEIGHT, AND ONLY FOUR SEATS AND SEAT BELTS WERE AVAILABLE FOR THE SIX PEOPLE ABOARD. WITNESSES SAID THAT THE AIRPLANE WAS PULLED OFF THE LAKE ABRUPTLY AND CLIMBED AT A STEEP ATTITUDE UNTIL APPROXIMATELY 20 FEET AGL. THE AIRPLANE THEN STRUCK THE WATER HARD WITH THE RIGHT FLOAT AND TURNED UPSIDE DOWN. RESCUERS INCLUDED A PILOT/PHYSICIAN AND LODGE OWNER WHO PROMPTLY REACHED THE SCENE AND SUCCESSFULLY ADMINISTERED CPR TO AN UNCONSCIOUS AND NOT BREATHING ADULT FEMALE AND MALE JUVENILE.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE PILOT'S FAILURE TO FOLLOW PROPER PROCEDURES AND DIRECTIVES (EXCESSIVE FLAPS); FAILURE TO OPERATE THE AIRPLANE WITHIN THE ALLOWABLE GROSS WEIGHT LIMITATIONS; IMPROPER COMPENSATION FOR WIND CONDITIONS AND FAILURE TO MAINTAIN MINIMUM SAFE FLYING SPEED, RESULTING IN A STALL/MUSH.

Findings

Occurrence #1: LOSS OF CONTROL - IN FLIGHT
Phase of Operation: TAKEOFF - INITIAL CLIMB

Findings

1. (F) WEATHER CONDITION - GUSTS
2. (C) STALL/MUSH - INADVERTENT - PILOT IN COMMAND
3. (C) AIRCRAFT WEIGHT AND BALANCE - EXCEEDED - PILOT IN COMMAND
4. (C) PROCEDURES/DIRECTIVES - NOT FOLLOWED - PILOT IN COMMAND
5. (C) JUDGMENT - POOR - PILOT IN COMMAND
6. (F) COMPENSATION FOR WIND CONDITIONS - INADEQUATE - PILOT IN COMMAND
7. (C) OVERCONFIDENCE IN PERSONAL ABILITY - PILOT IN COMMAND

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

Pilot Information

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|----------------------------------|---|------------------------------|----------|
| Certificate: | Commercial | Age: | 48 |
| Airplane Rating(s): | Single-engine Land; Single-engine Sea | Instrument Rating(s): | Airplane |
| Other Aircraft Rating(s): | None | Instructor Rating(s): | None |
| Flight Time: | 1900 hours (Total, all aircraft), 1400 hours (Total, this make and model), 1700 hours (Pilot In Command, all aircraft), 30 hours (Last 90 days, all aircraft), 20 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft) | | |

Aircraft and Owner/Operator Information

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|---------------------------------------|--------------------------------------|-----------------------------|-----------------|
| Aircraft Make: | CESSNA | Registration: | N185KA |
| Model/Series: | 185 185 | Engines: | 1 Reciprocating |
| Operator: | KAYLOR, RONALD W. | Engine Manufacturer: | CONTINENTAL |
| Operating Certificate(s) Held: | None | Engine Model/Series: | IO-520-D |
| Flight Conducted Under: | Part 91: General Aviation - Personal | | |

Meteorological Information and Flight Plan

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|---|-----------------------|-------------------------------------|---------------------------|
| Conditions at Accident Site: | Visual Conditions | Condition of Light: | Day |
| Observation Facility, Elevation: | , 0 ft msl | Weather Information Source: | Witness |
| Lowest Ceiling: | Broken / 10000 ft agl | Wind Speed/Gusts, Direction: | 20 knots / 30 knots, 120° |
| Temperature: | 15°C | Visibility | 25 Miles |
| Precipitation and Obscuration: | | | |
| Departure Point: | (NONE) | Destination: | ANCHORAGE, AK (LHD) |

Airport Information

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|-----------------------------|---------------------|----------------------------------|---------------|
| Airport: | KOKHANOK BAY (NONE) | Runway Surface Type: | Water |
| Runway Used: | 0 | Runway Surface Condition: | Water--choppy |
| Runway Length/Width: | | | |

Wreckage and Impact Information

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|-----------------------------|-------------------------------------|----------------------------|-------------|
| Crew Injuries: | 1 None | Aircraft Damage: | Substantial |
| Passenger Injuries: | 2 Fatal, 1 Serious, 1 Minor, 1 None | Aircraft Fire: | None |
| Ground Injuries: | N/A | Aircraft Explosion: | None |
| Latitude, Longitude: | | | |

Administrative Information

Investigator In Charge (IIC): JAMES D LA BELLE Adopted Date: 12/30/1992

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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