



Aviation Investigation Final Report

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|--------------------------------|--------------------------------------|-------------------------|-------------|
| Location: | AMOS LAKES, Alaska | Accident Number: | ANC91LA035 |
| Date & Time: | March 10, 1991, 17:30 Local | Registration: | N66036 |
| Aircraft: | CESSNA 180K | Aircraft Damage: | Substantial |
| Defining Event: | | Injuries: | 2 None |
| Flight Conducted Under: | Part 91: General aviation - Personal | | |

Analysis

THE PILOT STATED THAT, DURING THE TAKEOFF ON THE FROZEN LAKE, HE ENCOUNTERED VERY ROUGH SURFACE CONDITIONS WHICH DID NOT ALLOW THE AIRPLANE TO REACH LIFTOFF SPEED. DURING THE ABORTED TAKEOFF, THE PILOT ENCOUNTERED AN AREA OF VERY SLICK SNOW-COVERED ICE. THE AIRPLANE WENT STRAIGHT AHEAD INTO THE TREES BEFORE COMING TO A STOP.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE PILOT'S SELECTION OF TERRAIN THAT WAS ROUGH, SNOW-COVERED AND ICY FOR TAKEOFF.

Findings

Occurrence #1: LOSS OF CONTROL - ON GROUND/WATER
Phase of Operation: TAKEOFF - ROLL/RUN

Findings

1. (C) UNSUITABLE TERRAIN OR TAKEOFF/LANDING/TAXI AREA - SELECTED - PILOT IN COMMAND
 2. (F) TERRAIN CONDITION - ROUGH/UNEVEN
 3. (F) TERRAIN CONDITION - SNOW COVERED
 4. (F) TERRAIN CONDITION - ICY
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Occurrence #2: ON GROUND/WATER COLLISION WITH OBJECT
Phase of Operation: TAKEOFF - ABORTED

Findings

5. OBJECT - TREE(S)

Factual Information

Pilot Information

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| Certificate: | Airline transport; Flight engineer; Flight instructor | Age: | 55, Male |
| Airplane Rating(s): | Single-engine land; Single-engine sea; Multi-engine land; Multi-engine sea | Seat Occupied: | Right |
| Other Aircraft Rating(s): | Glider; Helicopter | Restraint Used: | |
| Instrument Rating(s): | Airplane; Helicopter | Second Pilot Present: | No |
| Instructor Rating(s): | None | Toxicology Performed: | No |
| Medical Certification: | Class 1 Valid Medical--no waivers/lim. | Last FAA Medical Exam: | March 7, 1991 |
| Occupational Pilot: | UNK | Last Flight Review or Equivalent: | |
| Flight Time: | 13990 hours (Total, all aircraft), 400 hours (Total, this make and model), 12000 hours (Pilot In Command, all aircraft), 12 hours (Last 90 days, all aircraft), 12 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: | N66036 |
| Model/Series: | 180K 180K | Aircraft Category: | Airplane |
| Year of Manufacture: | | Amateur Built: | |
| Airworthiness Certificate: | Normal | Serial Number: | 18052908 |
| Landing Gear Type: | Ski/wheel | Seats: | 2 |
| Date/Type of Last Inspection: | April 18, 1990 Annual | Certified Max Gross Wt.: | 2800 lbs |
| Time Since Last Inspection: | 173 Hrs | Engines: | 1 Reciprocating |
| Airframe Total Time: | 915 Hrs | Engine Manufacturer: | CONTINENTAL |
| ELT: | Installed, not activated | Engine Model/Series: | O-470-VC |
| Registered Owner: | | Rated Power: | 230 Horsepower |
| Operator: | CARROLL K. MOON | Operating Certificate(s) Held: | None |
| Operator Does Business As: | | Operator Designator Code: | |

Meteorological Information and Flight Plan

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|---|----------------------------------|---|----------|
| Conditions at Accident Site: | Visual (VMC) | Condition of Light: | Day |
| Observation Facility, Elevation: | | Distance from Accident Site: | |
| Observation Time: | | Direction from Accident Site: | |
| Lowest Cloud Condition: | Clear | Visibility | 50 miles |
| Lowest Ceiling: | None | Visibility (RVR): | |
| Wind Speed/Gusts: | / | Turbulence Type Forecast/Actual: | / |
| Wind Direction: | 0° | Turbulence Severity Forecast/Actual: | / |
| Altimeter Setting: | | Temperature/Dew Point: | -7°C |
| Precipitation and Obscuration: | No Obscuration; No Precipitation | | |
| Departure Point: | | Type of Flight Plan Filed: | VFR |
| Destination: | ANCHORAGE , AK (MRI) | Type of Clearance: | None |
| Departure Time: | 17:30 Local | Type of Airspace: | |

Airport Information

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|-----------------------------|---|----------------------------------|------|
| Airport: | | Runway Surface Type: | |
| Airport Elevation: | | Runway Surface Condition: | |
| Runway Used: | 0 | IFR Approach: | None |
| Runway Length/Width: | | VFR Approach/Landing: | None |

Wreckage and Impact Information

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|----------------------------|--------|-----------------------------|---------------------------|
| Crew Injuries: | 1 None | Aircraft Damage: | Substantial |
| Passenger Injuries: | 1 None | Aircraft Fire: | None |
| Ground Injuries: | N/A | Aircraft Explosion: | None |
| Total Injuries: | 2 None | Latitude, Longitude: | 62.450302,-149.78984(est) |

Administrative Information

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| Investigator In Charge (IIC): | Daw, Roy |
| Additional Participating Persons: | DAVE MCGLOTHLEN; ANCHORAGE , AK |
| Original Publish Date: | May 5, 1993 |
| Last Revision Date: | |
| Investigation Class: | Class |
| Note: | |
| Investigation Docket: | https://data.ntsb.gov/Docket?ProjectID=5526 |

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