



National Transportation Safety Board Aviation Accident Final Report

Location:	WILLISTON, VT	Accident Number:	NYC90FA061
Date & Time:	01/29/1990, 2100 EST	Registration:	N4688B
Aircraft:	CESSNA 208B	Aircraft Damage:	Destroyed
Defining Event:		Injuries:	2 Fatal
Flight Conducted Under:	Part 135: Air Taxi & Commuter - Non-scheduled		

Analysis

THE PILOT FAILED TO DEICE THE WINGS PRIOR TO THE TAKEOFF AND OVERLOADED THE AIRPLANE BY 360 LBS STRUCTURALLY AND 1100 LBS FOR FLIGHT IN ICING CONDITIONS. THERE WAS MODERATE SNOW FALLING AT THE TIME OF TAKEOFF. THE TAKEOFF ROLL WAS DESCRIBED AS LONG AND A WITNESS SAW THE WINGS ROCKING FROM SIDE TO SIDE AFTER TAKEOFF. THE AIRPLANE STRUCK TREES ONE MILE OFF THE END OF THE RUNWAY, CRASHED AND BURNED. POST ACCIDENT INVESTIGATION FOUND SNOW CONTAMINATION ON THE TOP OF ONE WING THAT DID NOT BURN AND THE TOP OF THE HORIZONTAL STABILIZERS AND ELEVATORS. NO DISCREPANCIES WERE FOUND WITH THE ENGINE OR AIRFRAME.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE FAILURE OF THE PILOT TO DE-ICE THE AIRPLANE PRIOR TO DEPARTURE, AND HIS DECISION TO MAKE THE TAKEOFF AT A WEIGHT THAT EXCEEDED BOTH THE MAXIMUM STRUCTURAL TAKEOFF WEIGHT AND THE REDUCED TAKEOFF WEIGHT ALLOWED FOR ICING CONDITIONS RESULTING IN AN INADEVERTENT STALL.

Findings

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

Findings

1. (C) PREFLIGHT PLANNING/PREPARATION - IMPROPER - PILOT IN COMMAND
2. (C) PROCEDURES/DIRECTIVES - NOT FOLLOWED - PILOT IN COMMAND
3. (F) WEATHER CONDITION - SNOW
4. WING - CONTAMINATION
5. CLIMB - NOT ATTAINED - PILOT IN COMMAND
6. (C) AIRSPEED - NOT MAINTAINED - PILOT IN COMMAND
7. (C) STALL - INADVERTENT - PILOT IN COMMAND

Occurrence #2: IN FLIGHT COLLISION WITH OBJECT
Phase of Operation: DESCENT - UNCONTROLLED

Findings

8. OBJECT - TREE(S)

Factual Information

Pilot Information

Certificate:	Airline Transport; Commercial	Age:	37, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land; Single-engine Sea	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	Airplane	Second Pilot Present:	Yes
Instructor Rating(s):	Airplane Single-engine	Toxicology Performed:	Yes
Medical Certification:	Class 1 Valid Medical--w/ waivers/lim.	Last FAA Medical Exam:	06/20/1989
Occupational Pilot:	Yes	Last Flight Review or Equivalent:	
Flight Time:	3110 hours (Total, all aircraft), 270 hours (Total, this make and model)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N4688B
Model/Series:	208B 208B	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	208B0169
Landing Gear Type:	Tricycle	Seats:	2
Date/Type of Last Inspection:	100 Hour	Certified Max Gross Wt.:	8750 lbs
Time Since Last Inspection:	70 Hours	Engines:	1 Turbo Prop
Airframe Total Time:	371 Hours	Engine Manufacturer:	P&W
ELT:	Installed, activated	Engine Model/Series:	PT6A-114
Registered Owner:		Rated Power:	600 hp
Operator:	BUSINESS AIR, INC.	Operating Certificate(s) Held:	On-demand Air Taxi (135)
Operator Does Business As:		Operator Designator Code:	BQTA

Meteorological Information and Flight Plan

Conditions at Accident Site:	Instrument Conditions	Condition of Light:	Night/Dark
Observation Facility, Elevation:	BTV, 334 ft msl	Distance from Accident Site:	1 Nautical Miles
Observation Time:	2107 EST	Direction from Accident Site:	330°
Lowest Cloud Condition:	Unknown / 0 ft agl	Visibility	0 Miles
Lowest Ceiling:	Obscured / 1000 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	6 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	80°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29 inches Hg	Temperature/Dew Point:	-1° C / -1° C
Precipitation and Obscuration:	Moderate - Snow; Fog		
Departure Point:		Type of Flight Plan Filed:	IFR
Destination:	ALBANY, NY (ALB)	Type of Clearance:	IFR
Departure Time:	2058 EST	Type of Airspace:	Class E

Airport Information

Airport:	BURLINGTON (BTV)	Runway Surface Type:	
Airport Elevation:	334 ft	Runway Surface Condition:	
Runway Used:	15	IFR Approach:	None
Runway Length/Width:	7807 ft / 150 ft	VFR Approach/Landing:	None

Wreckage and Impact Information

Crew Injuries:	1 Fatal	Aircraft Damage:	Destroyed
Passenger Injuries:	1 Fatal	Aircraft Fire:	On-Ground
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 Fatal	Latitude, Longitude:	

Administrative Information

Investigator In Charge (IIC):	CHAUNCEY D TWINE	Report Date:	02/12/1993
Additional Participating Persons:			
Publish Date:	02/01/2016		
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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The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available [here](#).