



Aviation Investigation Final Report

Location:	BREWER, Maine	Accident Number:	BF093FA034
Date & Time:	February 27, 1993, 08:30 Local	Registration:	N4607U
Aircraft:	CESSNA 180F	Aircraft Damage:	Destroyed
Defining Event:		Injuries:	1 Fatal, 1 Serious
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

THE PILOT AND PASSENGER PERFORMED A PREFLIGHT AND ATTEMPTED TO START THE ENGINE. A PREHEATER WAS NEEDED DUE TO THE VERY COLD TEMPERATURES. THE ENGINE WAS STARTED AND THE PILOT APPLIED CARBURETOR HEAT FOR 'ABOUT THREE OR FOUR MINUTES.' THE ENGINE HAD TO BE SHUT DOWN AND RESTARTED SEVERAL TIMES DUE TO DIFFICULTIES IN TAXIING THE AIRPLANE THROUGH ICE AND SNOW BANKS TO GET TO THE RUNWAY. THE AIRPLANE TOOK OFF AND THE ENGINE LOST POWER AT ABOUT 300 FEET ABOVE THE GROUND. THE PILOT ATTEMPTED TO TURN AND LAND ON A GOLF COURSE. THE AIRPLANE ENTERED A STEEP LEFT BANK AND 'STALLED.' IT IMPACTED SNOW COVERED TERRAIN. POST ACCIDENT EXAMINATION OF THE AIRPLANE REVEALED NO MECHANICAL MALFUNCTIONS, BUT SEVERAL SPARKPLUGS EXHIBITED SOOTING.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: LOSS OF ENGINE POWER DUE TO UNDETERMINED REASONS, AND THE FAILURE OF THE PILOT TO MAINTAIN ADEQUATE AIRSPEED DURING THE FORCED LANDING WHICH RESULTED IN A STALL.

Findings

Occurrence #1: LOSS OF ENGINE POWER(TOTAL) - NONMECHANICAL
Phase of Operation: TAKEOFF - INITIAL CLIMB

Findings

1. (C) REASON FOR OCCURRENCE UNDETERMINED
2. WEATHER CONDITION - TEMPERATURE EXTREMES

Occurrence #2: FORCED LANDING

Phase of Operation: DESCENT - EMERGENCY

Occurrence #3: LOSS OF CONTROL - IN FLIGHT

Phase of Operation: MANEUVERING - TURN TO LANDING AREA (EMERGENCY)

Findings

3. MANEUVER - INITIATED - PILOT IN COMMAND
4. (C) AIRSPEED - INADEQUATE - PILOT IN COMMAND
5. (C) STALL - INADVERTENT - PILOT IN COMMAND

Occurrence #4: IN FLIGHT COLLISION WITH TERRAIN/WATER

Phase of Operation: DESCENT - UNCONTROLLED

Findings

6. TERRAIN CONDITION - SNOW COVERED

Factual Information

Pilot Information

Certificate:	Private	Age:	45, Male
Airplane Rating(s):	Single-engine land; Single-engine sea	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	July 9, 1992
Occupational Pilot:	UNK	Last Flight Review or Equivalent:	
Flight Time:	242 hours (Total, all aircraft), 23 hours (Total, this make and model), 211 hours (Pilot In Command, all aircraft), 8 hours (Last 90 days, all aircraft), 5 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N4607U
Model/Series:	180F 180F	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	18051307
Landing Gear Type:	Ski	Seats:	4
Date/Type of Last Inspection:	August 15, 1992 Annual	Certified Max Gross Wt.:	2650 lbs
Time Since Last Inspection:	59 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	3924 Hrs	Engine Manufacturer:	CONTINENTAL
ELT:	Installed, activated, did not aid in locating accident	Engine Model/Series:	O-470-R
Registered Owner:	PROULX, LEONEL V, II	Rated Power:	230 Horsepower
Operator:	PROULX, LEONEL V. II	Operating Certificate(s) Held:	None
Operator Does Business As:		Operator Designator Code:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	BGR ,192 ft msl	Distance from Accident Site:	10 Nautical Miles
Observation Time:	08:52 Local	Direction from Accident Site:	270°
Lowest Cloud Condition:	Clear	Visibility	15 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	/	Turbulence Type Forecast/Actual:	/
Wind Direction:	0°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	-16°C / -18°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	(0B2)	Type of Flight Plan Filed:	None
Destination:	ALLAGASH LAKE , ME	Type of Clearance:	
Departure Time:	08:30 Local	Type of Airspace:	Class G

Airport Information

Airport:	BREWER 0B2	Runway Surface Type:	Snow
Airport Elevation:	124 ft msl	Runway Surface Condition:	Snow
Runway Used:	19	IFR Approach:	
Runway Length/Width:	1800 ft / 100 ft	VFR Approach/Landing:	Forced landing

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	Guzzetti, Jeffrey
Additional Participating Persons:	SANDY THOMPSON; PORTLAND , ME CHRIS WEATHERALL; WICHITA , KS GEORGE HOLLINGSWORTH; RESTON , VA
Original Publish Date:	November 3, 1993
Last Revision Date:	
Investigation Class:	Class
Note:	
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=11869

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