



National Transportation Safety Board Aviation Accident Final Report

Location:	KENNESAW, GA	Accident Number:	ATL92LA135
Date & Time:	07/02/1992, 1300 EDT	Registration:	N5544B
Aircraft:	CESSNA 182	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 None

Flight Conducted Under: Part 91: General Aviation - Personal

Analysis

THE PRIVATE PILOT WAS ABOUT 4 HOURS INTO THE CROSS COUNTRY FLIGHT WHEN THE ENGINE SPUTTERED, THEN QUIT. UNABLE TO GLIDE TO HIS DESTINATION AIRPORT, HE FORCE LANDED THE AIRPLANE IN AN ADJACENT FIELD. ON THE LANDING ROLL, THE NOSE GEAR FRACTURED, AND THE AIRCRAFT NOSED DOWN. THE PILOT STATED THAT HE HAD EXHAUSTED HIS FUEL SUPPLY. HE REPORTEDLY BEGAN THE FLIGHT WITH 4 HOURS OF FUEL PLUS A 45 MINUTE RESERVE, HOWEVER THERE WAS ONLY 1 TO 2 QUARTS OF FUEL REMAINING IN EACH WING TANK.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE INADEQUATE PREFLIGHT PLANNING BY THE PILOT WHICH RESULTED IN FUEL EXHAUSTION DUE TO AN INADEQUATE SUPPLY OF FUEL. A FACTOR WAS THE SOFT TERRAIN AT THE FORCED LANDING SITE.

Findings

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

Findings

1. (C) FLUID,FUEL - EXHAUSTION
2. (C) PREFLIGHT PLANNING/PREPARATION - INADEQUATE - PILOT IN COMMAND
3. (C) FUEL SUPPLY - INADEQUATE - PILOT IN COMMAND

Occurrence #2: FORCED LANDING
Phase of Operation: DESCENT - EMERGENCY

Occurrence #3: NOSE DOWN
Phase of Operation: LANDING - ROLL

Findings

4. (F) TERRAIN CONDITION - SOFT

Factual Information

Pilot Information

Certificate:	Private	Age:	68, Male
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 2 Valid Medical--w/ waivers/lim.	Last FAA Medical Exam:	06/06/1991
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	2300 hours (Total, all aircraft), 14 hours (Last 90 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N5544B
Model/Series:	182 182	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	33544
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	11/05/1991, Annual	Certified Max Gross Wt.:	2550 lbs
Time Since Last Inspection:	22 Hours	Engines:	1 Reciprocating
Airframe Total Time:	2876 Hours	Engine Manufacturer:	CONTINENTAL
ELT:	Not installed	Engine Model/Series:	O-470L
Registered Owner:	WILLIAMS, ROBERT E.	Rated Power:	230 hp
Operator:	WILLIAMS, ROBERT E.	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	ATL, 1026 ft msl	Distance from Accident Site:	24 Nautical Miles
Observation Time:	1150 EDT	Direction from Accident Site:	160°
Lowest Cloud Condition:	Clear / 0 ft agl	Visibility	9 Miles
Lowest Ceiling:	Overcast / 1600 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	11 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	250°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	26° C / 24° C
Precipitation and Obscuration:			
Departure Point:	WINTER HAVEN, FL (GIF)	Type of Flight Plan Filed:	None
Destination:	KENNESAW, GA (RYY)	Type of Clearance:	None
Departure Time:	0900 EDT	Type of Airspace:	Class G

Airport Information

Airport:	COBB COUNTY (RYY)	Runway Surface Type:	N/A
Airport Elevation:	1040 ft	Runway Surface Condition:	
Runway Used:	0	IFR Approach:	None
Runway Length/Width:		VFR Approach/Landing:	Forced Landing

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	RALPH E HICKS	Report Date:	03/24/1993
Additional Participating Persons:	JOHN H CORBETT; COLLEGE PARK, GA		
Publish Date:			
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/ .		

The National Transportation Safety Board (NTSB), established in 1967, is an independent federal agency mandated by Congress through the Independent Safety Board Act of 1974 to investigate transportation accidents, determine the probable causes of the accidents, issue safety recommendations, study transportation safety issues, and evaluate the safety effectiveness of government agencies involved in transportation. The NTSB makes public its actions and decisions through accident reports, safety studies, special investigation reports, safety recommendations, and statistical reviews.

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](#).