



# National Transportation Safety Board Aviation Accident Data Summary

<b>Location:</b>	WEBSTER, NH	<b>Accident Number:</b>	BFO93FA103
<b>Date &amp; Time:</b>	07/01/1993, 0800 EDT	<b>Registration:</b>	N2880K
<b>Aircraft:</b>	CESSNA 180K	<b>Injuries:</b>	2 Fatal
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

## Analysis

SHORTLY AFTER TAKEOFF FROM A LAKE, AT ABOUT 40 FEET ABOVE THE LAKE'S SURFACE, THE AIRPLANE STALLED, THEN IMPACTED IN A NOSE DOWN ATTITUDE AND NOSED OVER. POST-ACCIDENT EXAMINATION OF THE AIRFRAME AND ENGINE DID NOT REVEAL ANY ANOMALIES. THE AIRPLANE'S CARGO WEIGHED ABOUT 400 POUNDS. GROSS WEIGHT OF THE AIRPLANE WAS CALCULATED TO BE ABOUT 3450 POUNDS, WHICH WAS ABOUT 630 POUNDS OVER ITS MAXIMUM GROSS WEIGHT LIMIT. ALSO, AN UNDETERMINED AMOUNT OF WATER WAS FOUND IN THE AFT 3 COMPARTMENTS OF THE RIGHT FLOAT.

## Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE PILOT'S INADEQUATE PREFLIGHT PLANNING/PREPARATION, HIS FAILURE TO ASSURE PROPER WEIGHT AND BALANCE OF THE AIRCRAFT FOR TAKEOFF, AND HIS FAILURE TO OBTAIN AND/OR MAINTAIN ADEQUATE AIRSPEED, WHICH RESULTED IN A STALL. A POSSIBLE FACTOR RELATED TO THE ACCIDENT WAS: WATER IN THE RIGHT FLOAT.

## Findings

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

### Findings

1. (C) PREFLIGHT PLANNING/PREPARATION - INADEQUATE - PILOT IN COMMAND
  2. (F) LANDING GEAR,FLOAT ASSEMBLY - WATER
  3. (C) AIRCRAFT WEIGHT AND BALANCE - EXCEEDED - PILOT IN COMMAND
  4. (C) AIRSPEED - INADEQUATE - PILOT IN COMMAND
  5. (C) STALL - INADVERTENT - PILOT IN COMMAND
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Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER  
Phase of Operation: DESCENT - UNCONTROLLED

### Findings

6. TERRAIN CONDITION - WATER

## Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	47
<b>Airplane Rating(s):</b>	Single-engine Land; Single-engine Sea	<b>Instrument Rating(s):</b>	None
<b>Other Aircraft Rating(s):</b>	None	<b>Instructor Rating(s):</b>	None
<b>Flight Time:</b>	289 hours (Total, all aircraft), 47 hours (Total, this make and model), 208 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

<b>Aircraft Make:</b>	CESSNA	<b>Registration:</b>	N2880K
<b>Model/Series:</b>	180K 180K	<b>Engines:</b>	1 Reciprocating
<b>Operator:</b>	EDWARD DOWNER	<b>Engine Manufacturer:</b>	CONTINENTAL
<b>Operating Certificate(s) Held:</b>	None	<b>Engine Model/Series:</b>	O-470-U(6)
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual Conditions	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	CON, 346 ft msl	<b>Weather Information Source:</b>	Weather Observation Facility
<b>Lowest Ceiling:</b>	None / 0 ft agl	<b>Wind Speed/Gusts, Direction:</b>	4 knots / , 340°
<b>Temperature:</b>	18° C	<b>Visibility</b>	35 Miles
<b>Precipitation and Obscuration:</b>			
<b>Departure Point:</b>	, NH	<b>Destination:</b>	QUEBEC, CANADA

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 Fatal	<b>Aircraft Damage:</b>	Destroyed
<b>Passenger Injuries:</b>	1 Fatal	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Latitude, Longitude:</b>			

## Administrative Information

<b>Investigator In Charge (IIC):</b>	MARGARET B NAPOLITAN	<b>Adopted Date:</b>	06/30/1994
<b>Investigation Docket:</b>	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 <a href="mailto:pubinq@ntsb.gov">pubinq@ntsb.gov</a> , or at 800-877-6799. Dockets released after this date are available at <a href="http://dms.nts.gov/pubdms/">http://dms.nts.gov/pubdms/</a> .		

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