



# National Transportation Safety Board Aviation Accident Data Summary

<b>Location:</b>	BROOKEVILLE, MD	<b>Accident Number:</b>	NYC92FA093B
<b>Date &amp; Time:</b>	06/01/1992, 1147 EDT	<b>Registration:</b>	N4445R
<b>Aircraft:</b>	CESSNA R182	<b>Injuries:</b>	1 Serious, 3 None
<b>Flight Conducted Under:</b>	Part 135: Air Taxi & Commuter - Non-scheduled		

## Analysis

CESSNA 172, N738YV, & CESSNA R182, N4445R, WERE BEING OPERD BY CONGRESSIONAL AIR AT MONTGOMERY COUNTY AIRPARK. THE 172 WAS RTRNG TO THE ARPT AT AN ALT OF 2500 FT DRG A DUAL TRNG FLT. THE R182 HAD DEPD FROM BALTIMORE & WAS ALSO INBOUND TO THE ARPT, BUT AT 1500 FT. THE CFI IN THE 172 ADZD THE R182 PLTS THAT HE WOULD CIRCLE A LANDFILL NEAR THE ARPT, THEN FOLLOW THE R182 TO THE ARPT. THE R182 PLT RPRTD HE SAW THE 172 PASSING IN FRONT OF HIS ACFT IN THE OPPOSITE DRCTN (AT A DSTC OF ABT 1/2 TO 3/4 MI); 'AFTER A MINUTE' HE LOOKED OUT THE RGT WINDOW & SAW THE 172 CONVERGING IN A DSCNDG RGT TURN. HE TRIED TO AVOID A COLLISION, BUT WAS UNABLE. THE 172 WENT INTO AN UNCTLD DSCNT & CRASHED; THE R182 PLT MADE A FORCED LNDG IN A WHEAT FLD. AN EXAM OF THE 172 REVEALED THAT ABT 3-1/2 FT OF THE LEFT OUTBOARD WING SECTION WAS MISSING. THIS SECTION WAS FOUND EMBEDDED IN THE RGT SIDE OF THE R182'S FUSELAGE, JUST BEHIND THE ENG.

## Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: IMPROPER INFLIGHT PLANNING/DECISION BY THE FLIGHT INSTRUCTOR (PIC/CFI) IN THE CESSNA 172, HIS MISJUDGEMENT OF DISTANCE BETWEEN THE TWO AIRPLANES, AND INADEQUATE VISUAL LOOKOUT BY BOTH PILOTS IN THE CESSNA 172.

## Findings

Occurrence #1: MIDAIR COLLISION  
Phase of Operation: CRUISE - NORMAL

### Findings

1. (C) IN-FLIGHT PLANNING/DECISION - IMPROPER - PILOT OF OTHER AIRCRAFT
2. (C) DISTANCE - MISJUDGED - PILOT OF OTHER AIRCRAFT
3. (C) VISUAL LOOKOUT - INADEQUATE - PILOT OF OTHER AIRCRAFT

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

Occurrence #3: IN FLIGHT COLLISION WITH TERRAIN/WATER  
Phase of Operation: LANDING

### Findings

4. WHEELS UP LANDING

## Pilot Information

<b>Certificate:</b>	Airline Transport; Flight Instructor	<b>Age:</b>	34
<b>Airplane Rating(s):</b>	Multi-engine Land; Single-engine Land	<b>Instrument Rating(s):</b>	Airplane
<b>Other Aircraft Rating(s):</b>	None	<b>Instructor Rating(s):</b>	Airplane Single-engine; Instrument Airplane
<b>Flight Time:</b>	1430 hours (Total, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	CESSNA	<b>Registration:</b>	N4445R
<b>Model/Series:</b>	R182 R182	<b>Engines:</b>	1 Reciprocating
<b>Operator:</b>	CONGRESSIONAL AIR	<b>Engine Manufacturer:</b>	LYCOMING
<b>Operating Certificate(s) Held:</b>	On-demand Air Taxi (135)	<b>Engine Model/Series:</b>	O-540-J3C5D
<b>Flight Conducted Under:</b>	Part 135: Air Taxi & Commuter - Non-scheduled		

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual Conditions	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	BWI, 146 ft msl	<b>Weather Information Source:</b>	Weather Observation Facility
<b>Lowest Ceiling:</b>	Overcast / 4800 ft agl	<b>Wind Speed/Gusts, Direction:</b>	11 knots / , 310°
<b>Temperature:</b>	20° C	<b>Visibility</b>	15 Miles
<b>Precipitation and Obscuration:</b>			
<b>Departure Point:</b>	BALTIMORE, MD (BWI)	<b>Destination:</b>	GAITHERSBURG, MD (GAI)

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	1 Serious, 2 None	<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>	GREGORY A FEITH	<b>Adopted Date:</b>	05/28/1993
<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:pubin@ntsb.gov">pubin@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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