



# Aviation Investigation Final Report

<b>Location:</b>	Atlanta, Georgia	<b>Accident Number:</b>	ERA09CA432
<b>Date &amp; Time:</b>	July 31, 2009, 11:30 Local	<b>Registration:</b>	N267BC
<b>Aircraft:</b>	BINGHAM CHUCK ROTORWAY 1	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Collision with terr/obj (non-CFIT)	<b>Injuries:</b>	2 Minor
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

After lifting off, the pilot stated that he encountered a strong gust of wind from the west while making a hovering turn to the east. The main rotor blades contacted the mid-field windsock pole, and the helicopter collided with the ground. The pilot suffered minor injuries, and the passenger was unharmed. The helicopter received substantial damage. The pilot stated that he did not experience any mechanical problems with the helicopter before the accident.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's failure to maintain control of the helicopter while hovering in gusting wind conditions.

### Findings

<b>Environmental issues</b>	Gusts - Response/compensation
<b>Aircraft</b>	(general) - Not attained/maintained
<b>Personnel issues</b>	Aircraft control - Pilot

## Factual Information

### History of Flight

<b>Maneuvering-hover</b>	Collision with terr/obj (non-CFIT) (Defining event)
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### Pilot Information

<b>Certificate:</b>	Airline transport; Commercial	<b>Age:</b>	65, Male
<b>Airplane Rating(s):</b>	Single-engine land; Multi-engine land	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	Helicopter	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	Airplane; Helicopter	<b>Second Pilot Present:</b>	
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 2 With waivers/limitations	<b>Last FAA Medical Exam:</b>	June 27, 2008
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	November 1, 2008
<b>Flight Time:</b>	(Estimated) 3060 hours (Total, all aircraft), 463 hours (Total, this make and model)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	BINGHAM CHUCK	<b>Registration:</b>	N267BC
<b>Model/Series:</b>	ROTORWAY 1	<b>Aircraft Category:</b>	Helicopter
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	Yes
<b>Airworthiness Certificate:</b>	Experimental (Special)	<b>Serial Number:</b>	6523
<b>Landing Gear Type:</b>	Skid	<b>Seats:</b>	2
<b>Date/Type of Last Inspection:</b>	June 2, 2009	<b>Certified Max Gross Wt.:</b>	1500 lbs
<b>Time Since Last Inspection:</b>		<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	81 Hrs as of last inspection	<b>Engine Manufacturer:</b>	AMA/EXPR
<b>ELT:</b>	Not installed	<b>Engine Model/Series:</b>	UNKNOWN ENG
<b>Registered Owner:</b>	On file	<b>Rated Power:</b>	0
<b>Operator:</b>	On file	<b>Operating Certificate(s) Held:</b>	None

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	KRYY,1040 ft msl	<b>Distance from Accident Site:</b>	0 Nautical Miles
<b>Observation Time:</b>	15:30 Local	<b>Direction from Accident Site:</b>	0°
<b>Lowest Cloud Condition:</b>	Scattered / 2000 ft AGL	<b>Visibility</b>	10 miles
<b>Lowest Ceiling:</b>	Broken / 2500 ft AGL	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	9 knots / 14 knots	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	280°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	30.09 inches Hg	<b>Temperature/Dew Point:</b>	26°C / 21°C
<b>Precipitation and Obscuration:</b>			
<b>Departure Point:</b>	Atlanta, GA (RYY)	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	Atlanta, GA (RYY)	<b>Type of Clearance:</b>	VFR
<b>Departure Time:</b>	11:30 Local	<b>Type of Airspace:</b>	Airport advisory area

## Airport Information

<b>Airport:</b>	Cobb County Airport RYY	<b>Runway Surface Type:</b>	Concrete
<b>Airport Elevation:</b>	1040 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	27	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	6305 ft / 100 ft	<b>VFR Approach/Landing:</b>	None

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 Minor	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	1 Minor	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	2 Minor	<b>Latitude, Longitude:</b>	34.007778,-84.591392(est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Alleyne, Eric
<b>Additional Participating Persons:</b>	John Carroll; FAA/FSDO; Atlanta, GA
<b>Original Publish Date:</b>	December 29, 2009
<b>Last Revision Date:</b>	
<b>Investigation Class:</b>	<a href="#">Class</a>
<b>Note:</b>	This accident report documents the factual circumstances of this accident as described to the NTSB.
<b>Investigation Docket:</b>	<a href="https://data.nts.gov/Docket?ProjectID=74416">https://data.nts.gov/Docket?ProjectID=74416</a>

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