



National Transportation Safety Board Aviation Accident Data Summary

Location:	RIALTO, CA	Accident Number:	LAX90LA042
Date & Time:	12/02/1989, 0845 PST	Registration:	N2899B
Aircraft:	BELL 47G-II	Injuries:	1 Minor
Flight Conducted Under:	Part 91: General Aviation -		

Analysis

THE PILOT LOST DIRECTIONAL CONTROL WHILE PRACTICING HOVERS NEAR THE GROUND. WINDS WERE 10 KTS GUSTING 20. THE PILOT STATED SHE ENCOUNTERED TURBULENCE DURING A HOVER TURN AND OVERCONTROLLED. THE TAIL BOOM STRUCK THE GROUND, THE CANOPY DISINTEGRATED, AND THE HELICOPTER ENDED UP ON ITS SIDE.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE PILOT'S LOSS OF DIRECTIONAL CONTROL AND SUBSEQUENT OVERCONTROL WHILE HOVERING. CONTRIBUTING TO THE ACCIDENT WERE THE GUSTY WIND CONDITIONS AND THE PILOT'S INEXPERIENCE.

Findings

Occurrence #1: LOSS OF CONTROL - IN FLIGHT
Phase of Operation: HOVER

Findings

1. (F) WEATHER CONDITION - GUSTS
2. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND
3. (C) ROTORCRAFT FLIGHT CONTROLS - IMPROPER USE OF - PILOT IN COMMAND
4. (F) LACK OF TOTAL EXPERIENCE - PILOT IN COMMAND

Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: HOVER

Pilot Information

Certificate:	Private	Age:	25
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):	Helicopter	Instructor Rating(s):	None
Flight Time:	188 hours (Total, all aircraft), 80 hours (Total, this make and model)		

Aircraft and Owner/Operator Information

Aircraft Make:	BELL	Registration:	N2899B
Model/Series:	47G-II 47G-II	Engines:	1 Reciprocating
Operator:	CALIF. AMER. RESEARCH INFO.	Engine Manufacturer:	LYCOMING
Operating Certificate(s) Held:	None	Engine Model/Series:	VO-435-A1F
Flight Conducted Under:	Part 91: General Aviation -		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Dawn
Observation Facility, Elevation:	, 0 ft msl	Weather Information Source:	Pilot
Lowest Ceiling:	Unknown / 0 ft agl	Wind Speed/Gusts, Direction:	10 knots / 20 knots, 360°
Temperature:	18° C	Visibility	40 Miles
Precipitation and Obscuration:			
Departure Point:	Destination:		

Airport Information

Airport:	RIALTO (L67)	Runway Surface Type:	Asphalt
Runway Used:	0	Runway Surface Condition:	Dry
Runway Length/Width:			

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	R. GARY MUCHO	Adopted Date:	06/22/1992
Investigation Docket:	NTSB accident and incident docket 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/ .		

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