



National Transportation Safety Board Aviation Accident Data Summary

Location:	Lancaster, PA	Accident Number:	NYC05CA047
Date & Time:	02/01/2005, 1426 EST	Registration:	N59MB
Aircraft:	Bell 206B	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

As the pilot increased collective to transition to a hover, the helicopter immediately rolled over onto its right side. The pilot added that the helicopter was positioned into the direct sunlight, and he experienced "dazzling sunlight" being reflected from surrounding snow banks. The pilot did not report any mechanical difficulties with the helicopter.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's loss of lateral control while attempting to transition to a hover from the ground. A factor was the bright sunlight conditions.

Findings

Occurrence #1: LOSS OF CONTROL - ON GROUND/WATER
Phase of Operation: TAKEOFF

Findings

1. (F) LIGHT CONDITION - SUNGLARE
2. (C) AIRCRAFT CONTROL - NOT MAINTAINED - PILOT IN COMMAND

Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: DESCENT - UNCONTROLLED

Findings

3. TERRAIN CONDITION - OTHER

Pilot Information

Certificate:	Private	Age:	65
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	Helicopter	Instructor Rating(s):	None
Flight Time:	1745 hours (Total, all aircraft), 50 hours (Total, this make and model), 27 hours (Last 90 days, all aircraft), 14 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Bell	Registration:	N59MB
Model/Series:	206B	Engines:	1 Turbo Shaft
Operator:	Leslie Alan Jones	Engine Manufacturer:	Rolls-Royce
Operating Certificate(s) Held:	None	Engine Model/Series:	250C-20R
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:		Weather Information Source:	Pilot
Lowest Ceiling:	None	Wind Speed/Gusts, Direction:	3 knots / , 100°
Temperature:		Visibility:	
Precipitation and Obscuration:			
Departure Point:	Lancaster, PA (LNS)	Destination:	

Airport Information

Airport:	Lancaster Airport (LNS)	Runway Surface Type:	Unknown
Runway Used:	NA	Runway Surface Condition:	Unknown
Runway Length/Width:			

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
Latitude, Longitude:	40.125000, -76.300000		

Administrative Information

Investigator In Charge (IIC):	Stephen M Demko	Adopted Date:	04/28/2005
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
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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