



# National Transportation Safety Board Aviation Accident Data Summary

<b>Location:</b>	Tooele, UT	<b>Accident Number:</b>	WPR11LA151
<b>Date &amp; Time:</b>	03/01/2011, 0830 MST	<b>Registration:</b>	N206BY
<b>Aircraft:</b>	BELL 206B-III	<b>Injuries:</b>	2 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Other Work Use		

## Analysis

While accompanying a pilot who was developing further proficiency in helicopter long-line external load operations, the accident pilot, who had a total time of 1.5 hours in the make and model helicopter that was being flown, was offered the opportunity to fly an external load circuit. During the circuit, which was the pilot's first long-line experience in that make and model helicopter, the helicopter suddenly began to yaw to the right as it approached the point where the load was going to be placed on the ground. The pilot at the controls was unable to arrest the yaw, and during his attempt to regain control of the helicopter, it descended into the terrain. A postaccident examination of the helicopter found no evidence of any anomaly or malfunction that would have contributed to a loss of control of the helicopter.

## Flight Events

Maneuvering-hover - Loss of control in flight

## Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot did not maintain yaw control of the helicopter during a maneuvering hover. Contributing to the accident was the pilot's lack of experience in the make and model helicopter.

## Findings

Aircraft-Aircraft oper/perf/capability-Performance/control parameters-Yaw control-Not attained/maintained - C

Personnel issues-Action/decision-Action-Incorrect action performance-Pilot - C

Personnel issues-Experience/knowledge-Experience/qualifications-Total experience w/ equipment-Pilot - F

Personnel issues-Task performance-Use of equip/info-Aircraft control-Pilot - C

## Pilot Information

<b>Certificate:</b>	Airline Transport; Flight Instructor	<b>Age:</b>	43
<b>Airplane Rating(s):</b>	Multi-engine Land; Single-engine Land	<b>Instrument Rating(s):</b>	Airplane; Helicopter
<b>Other Aircraft Rating(s):</b>	Helicopter	<b>Instructor Rating(s):</b>	Airplane Single-engine; Helicopter
<b>Flight Time:</b>	7760 hours (Total, all aircraft), 2 hours (Total, this make and model), 6831 hours (Pilot In Command, all aircraft), 75 hours (Last 90 days, all aircraft), 6 hours (Last 30 days, all aircraft), 0 hours (Last 24 hours, all aircraft)		

## Pilot Information

<b>Certificate:</b>	Flight Instructor; Commercial	<b>Age:</b>	23
<b>Airplane Rating(s):</b>	None	<b>Instrument Rating(s):</b>	Helicopter
<b>Other Aircraft Rating(s):</b>	Helicopter	<b>Instructor Rating(s):</b>	Helicopter
<b>Flight Time:</b>	1779 hours (Total, all aircraft), 85 hours (Total, this make and model), 1688 hours (Pilot In Command, all aircraft), 135 hours (Last 90 days, all aircraft), 105 hours (Last 30 days, all aircraft), 4 hours (Last 24 hours, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Manufacturer:</b>	BELL	<b>Registration:</b>	N206BY
<b>Model/Series:</b>	206B-III	<b>Engines:</b>	1 Turbo Shaft
<b>Operator:</b>	Upper Limit Aviation	<b>Engine Manufacturer:</b>	ALLISON
<b>Air Carrier Operating Certificate:</b>		<b>Engine Model/Series:</b>	250-C20 SER
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Other Work Use		

## Meteorological Information and Flight Plan

<b>Observation Facility, Elevation:</b>		<b>Weather Information Source:</b>	Pilot
<b>Conditions at Accident Site:</b>	Visual Conditions	<b>Lowest Ceiling:</b>	None
<b>Condition of Light:</b>	Day	<b>Wind Speed/Gusts, Direction:</b>	3 knots, 170°
<b>Temperature:</b>	-3° C	<b>Visibility</b>	10 Miles
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	Salt Lake City, VI (KSLC)	<b>Destination:</b>	Tooele, UT (KTVY)

## Airport Information

<b>Airport:</b>	Tooele Valley (KTVY)	<b>Runway Surface Type:</b>	
<b>Runway Used:</b>	N/A	<b>Runway Surface Condition:</b>	
<b>Runway Length/Width:</b>			

## Wreckage and Impact Information

<b>Crew Injuries:</b>	2 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	N/A	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Orrin K Anderson	<b>Adopted Date:</b>	04/24/2012
<b>Investigation Docket:</b>	<a href="http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=78476">http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=78476</a>		

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