



# Aviation Investigation Final Report

<b>Location:</b>	Lakewood, Wisconsin	<b>Accident Number:</b>	CHI07LA238
<b>Date &amp; Time:</b>	July 28, 2007, 12:47 Local	<b>Registration:</b>	N914JS
<b>Aircraft:</b>	Swanson Aventura II	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	1 Fatal, 1 Serious
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

A witness said he saw the pilot make two attempts to take off from a lake. On the third attempt, the witness said the airplane pulled up sharply, leveled off momentarily, and then the left wing "dipped," and the airplane "dropped" and struck trees and then the ground. An examination of the airplane revealed no anomalies.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's excessive pull up, his not maintaining airspeed, and the inadvertent stall resulting in the loss of control. A factor contributing to the accident was the trees.

## Findings

Occurrence #1: ABRUPT MANEUVER  
Phase of Operation: TAKEOFF - INITIAL CLIMB

### Findings

1. (F) OBJECT - TREE(S)
  2. (C) PULL-UP - EXCESSIVE - PILOT IN COMMAND
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Occurrence #2: LOSS OF CONTROL - IN FLIGHT  
Phase of Operation: TAKEOFF - INITIAL CLIMB

Findings

3. (C) AIRSPEED - NOT MAINTAINED - PILOT IN COMMAND

4. (C) STALL/SPIN - INADVERTENT - PILOT IN COMMAND

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Occurrence #3: IN FLIGHT COLLISION WITH TERRAIN/WATER

Phase of Operation: DESCENT - UNCONTROLLED

Findings

5. TERRAIN CONDITION - GROUND

## Factual Information

On July 28, 2007, about 1247 central daylight time, an experimental amateur-built amphibious Swanson Aventura II airplane, N914JS, sustained substantial damage on impact with trees and terrain near Lakewood, Wisconsin. The personal flight was operating under 14 Code of Federal Regulations Part 91. Visual meteorological conditions prevailed at the time of the accident. No flight plan was on file. The pilot sustained fatal injuries and the passenger received serious injuries. The flight was originating from Lake John, near Lakewood, Wisconsin, at the time of the accident.

A witness reported to a Federal Aviation Administration (FAA) Inspector that he saw the airplane on the southwest side of the lake start a takeoff roll and abort its takeoff due to a boat. The airplane returned to its starting spot and started another takeoff roll. The airplane aborted this takeoff when it encountered the wake from the boat. The airplane maneuvered into a cove at the northeast end of the lake and started to take off from there. The available takeoff distance from that location was shorter. The witness indicated that the airplane pulled up sharply to clear the trees, leveled off briefly, the left wing "dipped," and the airplane "dropped." The airplane was found with its engine still running.

At 1154, the recorded weather at the Ford Airport, near Iron Mountain/Kingsford, Michigan, was: Wind 250 degrees at 6 knots; visibility 10 statute miles; sky condition clear; temperature 28 degrees C; dew point 9 degrees C; altimeter 30.05 inches of mercury.

FAA inspectors examined the wreckage on-scene. The examination revealed no pre-impact anomalies.

The FAA Civil Aerospace Medical Institute prepared a Final Forensic Toxicology Accident Report. The report stated:

0.579 (ug/mL, ug/g) MIDAZOLAM detected in Liver  
MIDAZOLAM NOT detected in Blood  
0.064 (ug/mL, ug/g) MIDAZOLAM detected in Kidney  
0.04 (ug/mL, ug/g) MIDAZOLAM detected in Spleen  
NAPROXEN detected in Blood  
LIDOCAINE detected in Blood  
EPHEDRINE detected in Blood.

## Pilot Information

<b>Certificate:</b>	Commercial	<b>Age:</b>	50, Male
<b>Airplane Rating(s):</b>	Single-engine land; Single-engine sea; Multi-engine land	<b>Seat Occupied:</b>	Unknown
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	Yes
<b>Medical Certification:</b>	Class 2 With waivers/limitations	<b>Last FAA Medical Exam:</b>	April 1, 2007
<b>Occupational Pilot:</b>	UNK	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	650 hours (Total, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Swanson	<b>Registration:</b>	N914JS
<b>Model/Series:</b>	Aventura II	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	Yes
<b>Airworthiness Certificate:</b>	Experimental (Special)	<b>Serial Number:</b>	AP2A0063
<b>Landing Gear Type:</b>	Tailwheel	<b>Seats:</b>	2
<b>Date/Type of Last Inspection:</b>	Unknown	<b>Certified Max Gross Wt.:</b>	1350 lbs
<b>Time Since Last Inspection:</b>		<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>		<b>Engine Manufacturer:</b>	Rotax
<b>ELT:</b>		<b>Engine Model/Series:</b>	912ULS
<b>Registered Owner:</b>	Jeffrey R. Swanson	<b>Rated Power:</b>	100 Horsepower
<b>Operator:</b>		<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>	IMT,1182 ft msl	<b>Distance from Accident Site:</b>	30 Nautical Miles
<b>Observation Time:</b>	11:54 Local	<b>Direction from Accident Site:</b>	45°
<b>Lowest Cloud Condition:</b>	Clear	<b>Visibility</b>	10 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	6 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	350°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	30.04 inches Hg	<b>Temperature/Dew Point:</b>	28°C / 9°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	Lakewood, WI	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>		<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	12:47 Local	<b>Type of Airspace:</b>	

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 Fatal	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	1 Serious	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	1 Fatal, 1 Serious	<b>Latitude, Longitude:</b>	45.342224,-88.538055

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Malinowski, Edward
<b>Additional Participating Persons:</b>	Steve F Talbott; Federal Aviation Administration; Milwaukee, WI
<b>Original Publish Date:</b>	April 30, 2008
<b>Last Revision Date:</b>	
<b>Investigation Class:</b>	<a href="#">Class</a>
<b>Note:</b>	
<b>Investigation Docket:</b>	<a href="https://data.ntsb.gov/Docket?ProjectID=66345">https://data.ntsb.gov/Docket?ProjectID=66345</a>

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