



## National Transportation Safety Board Aviation Accident Factual Report

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<b>Location:</b>	Davenport, WA	<b>Accident Number:</b>	SEA05CA035
<b>Date &amp; Time:</b>	01/03/2005, 1245 PST	<b>Registration:</b>	N310RA
<b>Aircraft:</b>	Cessna 310J	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	2 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

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On January 3, 2005, at 1245 Pacific standard time, a Cessna 310J, N310RA, sustained substantial damage during a hard landing at Davenport Municipal Airport, Davenport, Washington. The private pilot and the passenger were not injured. The airplane was registered to Alldredge Aviation of Auburn, Washington, and operated by the pilot. An IFR flight plan was filed for the personal cross country flight from Auburn to Davenport. The flight was conducted under Title 14 CFR Part 91 and departed Auburn at 1130. Instrument meteorological conditions prevailed for the descent into Davenport, and visual meteorological conditions prevailed on the ground at Davenport.

According to the pilot, the flight encountered light mixed icing during descent. The airplane was in icing conditions for about 15 minutes. The pilot used the de-icing boots during the icing encounter and cycled the boots for the last time on downwind leg for landing. During the landing flare, he reduced power over the threshold about 15 feet agl, and the airplane stalled at a higher than normal airspeed resulting in a hard landing. The propeller tips were bent, and there was engine nacelle and wing skin buckling. The pilot stated that the accident could have been prevented by keeping power and airspeed up until touchdown when landing an airplane which has encountered icing conditions and retained some airframe ice.

## Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	62, Male
<b>Airplane Rating(s):</b>	Multi-engine Land; Single-engine Land; Single-engine Sea	<b>Seat Occupied:</b>	
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	Seatbelt
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 3	<b>Last FAA Medical Exam:</b>	06/17/2004
<b>Occupational Pilot:</b>		<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	1830 hours (Total, all aircraft), 471 hours (Total, this make and model), 1699 hours (Pilot In Command, all aircraft), 28 hours (Last 90 days, all aircraft), 9 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Cessna	<b>Registration:</b>	N310RA
<b>Model/Series:</b>	310J	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	No
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	310J0119
<b>Landing Gear Type:</b>	Retractable - Tricycle	<b>Seats:</b>	
<b>Date/Type of Last Inspection:</b>		<b>Certified Max Gross Wt.:</b>	
<b>Time Since Last Inspection:</b>		<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>		<b>Engine Manufacturer:</b>	Teledyne Continental
<b>ELT:</b>		<b>Engine Model/Series:</b>	IO-470U
<b>Registered Owner:</b>	Alldredge Aviation	<b>Rated Power:</b>	
<b>Operator:</b>	Richard W. Alldredge	<b>Operating Certificate(s) Held:</b>	None

## Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:		Distance from Accident Site:	
Observation Time:		Direction from Accident Site:	
Lowest Cloud Condition:		Visibility	5 Miles
Lowest Ceiling:	Overcast / 1700 ft agl	Visibility (RVR):	
Wind Speed/Gusts:	/	Turbulence Type Forecast/Actual:	/
Wind Direction:		Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30.18 inches Hg	Temperature/Dew Point:	-7° C
Precipitation and Obscuration:			
Departure Point:	Auburn, WA (S50)	Type of Flight Plan Filed:	IFR
Destination:	Davenport, WA (68S)	Type of Clearance:	None
Departure Time:	1130 PST	Type of Airspace:	Class G

## Airport Information

Airport:	Davenport Municipal (68S)	Runway Surface Type:	
Airport Elevation:		Runway Surface Condition:	
Runway Used:	05	IFR Approach:	None
Runway Length/Width:		VFR Approach/Landing:	

## Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	1 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	
Total Injuries:	2 None	Latitude, Longitude:	47.653611, -118.168611

## Administrative Information

Investigator In Charge (IIC):	Georgia R Struhsaker
Additional Participating Persons:	; Seattle, WA
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	NTSB accident and incident dockets 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 <a href="mailto:pubinq@ntsb.gov">pubinq@ntsb.gov</a> , or at 800-877-6799. Dockets released after this date are available at <a href="http://dms.nts.gov/pubdms/">http://dms.nts.gov/pubdms/</a> .