



# National Transportation Safety Board Aviation Accident Final Report

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<b>Location:</b>	Wausau, WI	<b>Accident Number:</b>	CHI08CA047
<b>Date &amp; Time:</b>	12/08/2007, 1630 CST	<b>Registration:</b>	N2151J
<b>Aircraft:</b>	Cessna Skyhawk 172	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

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## Analysis

The pilot reported completing three takeoffs and full stop landings on runway 30, and then he switched to runway 04 (3078 feet long, 100 feet wide, ice, snow covered). After landing on runway 04, the airplane skidded on a patch of packed snow and the pilot reported that he "Lost control. Plane ran off side of runway." The pilot tried to hold the yoke back but the nosewheel dug into soft snow on the side of the runway and the airplane nosed over. The pilot was not injured. He did not report any mechanical malfunctions. The right wing rear spar was bent.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot failed to maintain directional control during the landing roll. Factors that contributed to the accident included the snow on the runway and the snowbank.

## Findings

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Occurrence #1: LOSS OF CONTROL - ON GROUND/WATER

Phase of Operation: LANDING - ROLL

### Findings

1. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND
  2. (F) TERRAIN CONDITION - SNOW COVERED
  3. (F) TERRAIN CONDITION - RUNWAY
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Occurrence #2: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER

Phase of Operation: LANDING - ROLL

### Findings

4. (F) TERRAIN CONDITION - SNOWBANK
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Occurrence #3: NOSE OVER

Phase of Operation: LANDING

## Factual Information

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	61, Male
<b>Airplane Rating(s):</b>	Single-engine Land	<b>Seat Occupied:</b>	
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	Seatbelt, Shoulder harness
<b>Instrument Rating(s):</b>	None	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 3 With Waivers/Limitations	<b>Last FAA Medical Exam:</b>	04/01/2006
<b>Occupational Pilot:</b>	<b>Last Flight Review or Equivalent:</b>		
<b>Flight Time:</b>	158 hours (Total, all aircraft), 158 hours (Total, this make and model), 57 hours (Pilot In Command, all aircraft), 6 hours (Last 90 days, all aircraft), 2 hours (Last 30 days, all aircraft), 0 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Cessna	<b>Registration:</b>	N2151J
<b>Model/Series:</b>	Skyhawk 172	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	No
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	17-80679
<b>Landing Gear Type:</b>	Tricycle	<b>Seats:</b>	
<b>Date/Type of Last Inspection:</b>	08/01/2007, Annual	<b>Certified Max Gross Wt.:</b>	2450 lbs
<b>Time Since Last Inspection:</b>	75 Hours	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	5950 Hours at time of accident	<b>Engine Manufacturer:</b>	Textron Lycoming
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	IO-360
<b>Registered Owner:</b>	Wausau Flying Service	<b>Rated Power:</b>	160 hp
<b>Operator:</b>	Wausau Flying Service	<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:	AUW	Distance from Accident Site:	
Observation Time:	1654	Direction from Accident Site:	
Lowest Cloud Condition:	Clear	Visibility	10 Miles
Lowest Ceiling:	Overcast / 11000 ft agl	Visibility (RVR):	
Wind Speed/Gusts:	6 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	290°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30.4 inches Hg	Temperature/Dew Point:	-13°C / -18°C
Precipitation and Obscuration:			
Departure Point:	Wausau, WI (AUW)	Type of Flight Plan Filed:	None
Destination:	(AUW)	Type of Clearance:	None
Departure Time:	CST	Type of Airspace:	

## Airport Information

Airport:	Wausau Downtown (AUW)	Runway Surface Type:	Asphalt
Airport Elevation:	1201 ft	Runway Surface Condition:	Ice; Snow; Wet
Runway Used:	04	IFR Approach:	None
Runway Length/Width:	3078 ft / 100 ft	VFR Approach/Landing:	Traffic Pattern

## 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
Total Injuries:	1 None	Latitude, Longitude:	44.926111, -89.626389

## Administrative Information

Investigator In Charge (IIC):	Jim Silliman	Report Date:	01/31/2008
Additional Participating Persons:	Jan Gerstner; FAA-MKE-FSDO		
Publish Date:			
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> .		

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The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available [here](#).