



# Aviation Investigation Final Report

<b>Location:</b>	Nenana, Alaska	<b>Accident Number:</b>	ANC14CA009
<b>Date &amp; Time:</b>	November 23, 2013, 14:15 Local	<b>Registration:</b>	N8310Q
<b>Aircraft:</b>	Cessna A185F	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Loss of control on ground	<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

The pilot was landing a wheel/ski equipped airplane on a frozen, wind-blown, ice and snow-covered lake. He had established a landing area earlier in the day, by laying down ski tracks with a friends ski equipped airplane. Upon touchdown, the airplane did not slow as expected, and it began to veer off the proposed landing area. While attempting to correct for the veer, the right ski struck a hole hidden underneath the snow and ice, and the right main landing gear leg separated from the airplane. The airplane sustained substantial damage to the right wing and aileron. The pilot reported no preaccident mechanical malfunctions or failures with the airplane that would have precluded normal operation.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

The pilot's failure to maintain directional control of the airplane, which resulted in a collision with terrain.

## Findings

<b>Personnel issues</b>	Aircraft control - Pilot
<b>Environmental issues</b>	Snow/slush/ice covered surface - Awareness of condition

## Factual Information

### History of Flight

<b>Landing-landing roll</b>	Collision with terr/obj (non-CFIT)
<b>Landing-landing roll</b>	Loss of control on ground (Defining event)

### Pilot Information

<b>Certificate:</b>	Airline transport; Flight engineer; Flight instructor	<b>Age:</b>	69
<b>Airplane Rating(s):</b>	Single-engine land; Single-engine sea; Multi-engine land	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	Unknown
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	Airplane multi-engine; Airplane single-engine; Instrument airplane	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 3 With waivers/limitations	<b>Last FAA Medical Exam:</b>	March 19, 2013
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	July 24, 2013
<b>Flight Time:</b>	22985 hours (Total, all aircraft), 2100 hours (Total, this make and model), 12337 hours (Pilot In Command, all aircraft), 14 hours (Last 90 days, all aircraft), 1 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Cessna	<b>Registration:</b>	N8310Q
<b>Model/Series:</b>	A185F	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>	1978	<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	18503650
<b>Landing Gear Type:</b>	Tailwheel; Ski/wheel	<b>Seats:</b>	6
<b>Date/Type of Last Inspection:</b>	December 28, 2012 Annual	<b>Certified Max Gross Wt.:</b>	3350 lbs
<b>Time Since Last Inspection:</b>		<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	3914 Hrs at time of accident	<b>Engine Manufacturer:</b>	Continental Motors
<b>ELT:</b>	C91A installed, not activated	<b>Engine Model/Series:</b>	IO 520
<b>Registered Owner:</b>	MAHER MICHAEL P TRUSTEE	<b>Rated Power:</b>	300 Horsepower
<b>Operator:</b>	MAHER MICHAEL P TRUSTEE	<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>		<b>Distance from Accident Site:</b>	
<b>Observation Time:</b>		<b>Direction from Accident Site:</b>	
<b>Lowest Cloud Condition:</b>	Thin Overcast	<b>Visibility</b>	75 miles
<b>Lowest Ceiling:</b>	Overcast	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	/	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>		<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	29.73 inches Hg	<b>Temperature/Dew Point:</b>	-15°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	Fairbanks, AK (PAFA)	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	Nenana, AK	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	13:15 Local	<b>Type of Airspace:</b>	Class G

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>		<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	1 None	<b>Latitude, Longitude:</b>	64.470497,-148.570129(est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Banning, David
<b>Additional Participating Persons:</b>	Eric Jones; Federal Aviation Administration; Fairbanks, AK
<b>Original Publish Date:</b>	February 4, 2014
<b>Last Revision Date:</b>	
<b>Investigation Class:</b>	<a href="#">Class</a>
<b>Note:</b>	This accident report documents the factual circumstances of this accident as described to the NTSB.
<b>Investigation Docket:</b>	<a href="https://data.nts.gov/Docket?ProjectID=88507">https://data.nts.gov/Docket?ProjectID=88507</a>

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