



# Aviation Investigation Final Report

<b>Location:</b>	WILLOW, Alaska	<b>Accident Number:</b>	ANC90LA031
<b>Date &amp; Time:</b>	January 21, 1990, 14:00 Local	<b>Registration:</b>	N1802R
<b>Aircraft:</b>	CESSNA 185	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	2 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

THE WHEEL EQUIPPED AIRPLANE NOSED OVER AFTER LANDING ON A RUNWAY COVERED WITH ABOUT TWO FEET OF UNPLOWED SNOW. A LOCAL NOTAM THAT CLOSED THE RUNWAY TO WHEELED AIRPLANES HAD NOT BEEN GIVEN TO THE PILOT DURING HIS PREFLIGHT WEATHER BRIEFING.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: SELECTION OF AN UNSUITABLE LANDING AREA (UNSUITABLE TERRAIN) BY THE PILOT. FACTORS RELATED TO THE ACCIDENT WERE: DEEP SNOW ON THE RUNWAY AND FAILURE OF THE FLIGHT SERVICE STATION (FSS) SPECIALIST TO INFORM THE PILOT THAT THE RUNWAY WAS CLOSED TO WHEEL EQUIPPED AIRCRAFT.

## Findings

Occurrence #1: NOSE OVER  
Phase of Operation: LANDING - ROLL

### Findings

1. (F) AIRPORT FACILITIES, RUNWAY/LANDING AREA CONDITION - SNOW COVERED
2. AIRPORT SNOW REMOVAL - NOT POSSIBLE
3. NOTAMS - ISSUED - AIRPORT PERSONNEL

4. (F) NOTAMS - NOT IDENTIFIED - ATC PERSONNEL(FSS)
5. (C) UNSUITABLE TERRAIN OR TAKEOFF/LANDING/TAXI AREA - SELECTED - PILOT IN COMMAND

## Factual Information

### Pilot Information

<b>Certificate:</b>	Commercial	<b>Age:</b>	45, Male
<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>	
<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 2 Valid Medical--no waivers/lim.	<b>Last FAA Medical Exam:</b>	June 29, 1989
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	2500 hours (Total, all aircraft), 675 hours (Total, this make and model), 2400 hours (Pilot In Command, all aircraft), 3 hours (Last 90 days, all aircraft), 2 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>	N1802R
<b>Model/Series:</b>	185 185	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	18502518
<b>Landing Gear Type:</b>	Tailwheel	<b>Seats:</b>	2
<b>Date/Type of Last Inspection:</b>	January 11, 1990 Annual	<b>Certified Max Gross Wt.:</b>	3350 lbs
<b>Time Since Last Inspection:</b>	2 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	1440 Hrs	<b>Engine Manufacturer:</b>	CONTINENTAL
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	IO-520
<b>Registered Owner:</b>	RICK D. RICHTER	<b>Rated Power:</b>	285 Horsepower
<b>Operator:</b>		<b>Operating Certificate(s) Held:</b>	None
<b>Operator Does Business As:</b>		<b>Operator Designator Code:</b>	

## 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>	Unknown	<b>Visibility</b>	20 miles
<b>Lowest Ceiling:</b>	Overcast / 5000 ft AGL	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	/	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	0°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>		<b>Temperature/Dew Point:</b>	2°C / -18°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	ANCHORAGE , AK (Z41 )	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>		<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	13:40 Local	<b>Type of Airspace:</b>	Class G

## Airport Information

<b>Airport:</b>	WILLOW Z22	<b>Runway Surface Type:</b>	Gravel
<b>Airport Elevation:</b>	220 ft msl	<b>Runway Surface Condition:</b>	Snow
<b>Runway Used:</b>	31	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	4600 ft / 105 ft	<b>VFR Approach/Landing:</b>	Traffic pattern

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	1 None	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	2 None	<b>Latitude, Longitude:</b>	61.889358,-149.730712(est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Daw, Roy
<b>Additional Participating Persons:</b>	JAMES E GAROUTTE; ANCHORAGE , AK
<b>Original Publish Date:</b>	May 18, 1992
<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=5337">https://data.ntsb.gov/Docket?ProjectID=5337</a>

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