



# Aviation Investigation Final Report

<b>Location:</b>	DePere, Wisconsin	<b>Accident Number:</b>	GAA18CA490
<b>Date &amp; Time:</b>	August 14, 2018, 17:50 Local	<b>Registration:</b>	N1085U
<b>Aircraft:</b>	Cessna 172	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Loss of control in flight	<b>Injuries:</b>	1 Serious
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

The pilot reported that, during landing, the airplane touched down and suddenly "pitched and lifted to the right." He added power to go around, but the airplane climbed and "turned way more to the left." The airplane impacted trees, spun, and dropped onto terrain.

The airplane sustained substantial damage to the fuselage.

The pilot reported that there were no preaccident mechanical failures or malfunctions 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 lateral control and his subsequent failure to maintain the runway heading during an attempted go-around, which resulted in impact with trees.

## Findings

<b>Aircraft</b>	Lateral/bank control - Not attained/maintained
<b>Aircraft</b>	Heading/course - Not attained/maintained
<b>Personnel issues</b>	Aircraft control - Pilot
<b>Environmental issues</b>	Tree(s) - Effect on operation

## Factual Information

### History of Flight

Approach-VFR go-around	Loss of control in flight (Defining event)
Approach-VFR go-around	Attempted remediation/recovery
Approach-VFR go-around	Collision with terr/obj (non-CFIT)

### Pilot Information

Certificate:	Private	Age:	69,Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Unknown
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 With waivers/limitations	Last FAA Medical Exam:	October 24, 2016
Occupational Pilot:	No	Last Flight Review or Equivalent:	July 27, 2018
Flight Time:	(Estimated) 199.8 hours (Total, all aircraft), 185.5 hours (Total, this make and model), 13.1 hours (Last 90 days, all aircraft), 13.1 hours (Last 30 days, all aircraft), 6.3 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N1085U
Model/Series:	172 M	Aircraft Category:	Airplane
Year of Manufacture:	1976	Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	17266834
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	March 14, 2018 Annual	Certified Max Gross Wt.:	3000 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	8001 Hrs as of last inspection	Engine Manufacturer:	Lycoming
ELT:	Installed	Engine Model/Series:	O-320-E2D
Registered Owner:		Rated Power:	160 Horsepower
Operator:	On file	Operating Certificate(s) Held:	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>	KGRB,702 ft msl	<b>Distance from Accident Site:</b>	8 Nautical Miles
<b>Observation Time:</b>	22:53 Local	<b>Direction from Accident Site:</b>	336°
<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>	7 knots /	<b>Turbulence Type Forecast/Actual:</b>	None / None
<b>Wind Direction:</b>	240°	<b>Turbulence Severity Forecast/Actual:</b>	N/A / N/A
<b>Altimeter Setting:</b>	29.9 inches Hg	<b>Temperature/Dew Point:</b>	29°C / 19°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	Green Bay, WI (GRB )	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	DePere, WI (WS43)	<b>Type of Clearance:</b>	VFR
<b>Departure Time:</b>	17:34 Local	<b>Type of Airspace:</b>	Class G

## Airport Information

<b>Airport:</b>	BIRCH CREEK WS43	<b>Runway Surface Type:</b>	Grass/turf
<b>Airport Elevation:</b>	813 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	26	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	2800 ft / 50 ft	<b>VFR Approach/Landing:</b>	Full stop;Go around

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 Serious	<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 Serious	<b>Latitude, Longitude:</b>	44.355834,-88.059722(est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Benhoff, Kathryn
<b>Additional Participating Persons:</b>	Michael Pieczynski; FAA; Milwaukee, WI
<b>Original Publish Date:</b>	March 18, 2019
<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=98074">https://data.nts.gov/Docket?ProjectID=98074</a>

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