



# Aviation Investigation Final Report

<b>Location:</b>	Anchorage, Alaska	<b>Accident Number:</b>	GAA18CA370
<b>Date &amp; Time:</b>	June 21, 2018, 10:20 Local	<b>Registration:</b>	N4427B
<b>Aircraft:</b>	Cessna 170	<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 of the float-equipped airplane reported that, during landing, the touchdown on the water was smooth. While the airplane was on step, she reduced the flaps, and the airplane suddenly veered left. She applied right rudder and reduced engine power. The left float hit the concrete shore bank, the airplane spun to the left, and the right wing struck the shore.

The airplane sustained substantial damage to the fuselage and both wings.

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 directional control during landing.

## Findings

<b>Aircraft</b>	Directional control - Not attained/maintained
<b>Personnel issues</b>	Aircraft control - Pilot
<b>Environmental issues</b>	(general) - Contributed to outcome

## Factual Information

### History of Flight

Landing	Loss of control on ground (Defining event)
Landing	Attempted remediation/recovery

### Pilot Information

Certificate:	Private	Age:	57,Female
Airplane Rating(s):	Single-engine land; Single-engine sea	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	None
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:	June 1, 2018
Occupational Pilot:	No	Last Flight Review or Equivalent:	October 6, 2017
Flight Time:	(Estimated) 760 hours (Total, all aircraft), 670 hours (Total, this make and model), 642 hours (Pilot In Command, all aircraft), 6 hours (Last 90 days, all aircraft), 6 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N4427B
Model/Series:	170 B	Aircraft Category:	Airplane
Year of Manufacture:	1955	Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	26771
Landing Gear Type:	N/A; Float	Seats:	2
Date/Type of Last Inspection:	April 28, 2018 Annual	Certified Max Gross Wt.:	2106 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	4352.9 Hrs at time of accident	Engine Manufacturer:	Lycoming
ELT:	C91A installed, not activated	Engine Model/Series:	O-360-A1A
Registered Owner:		Rated Power:	180 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>	PALH,90 ft msl	<b>Distance from Accident Site:</b>	0 Nautical Miles
<b>Observation Time:</b>	18:30 Local	<b>Direction from Accident Site:</b>	220°
<b>Lowest Cloud Condition:</b>	Few / 12000 ft AGL	<b>Visibility</b>	10 miles
<b>Lowest Ceiling:</b>		<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	/	<b>Turbulence Type Forecast/Actual:</b>	None / None
<b>Wind Direction:</b>		<b>Turbulence Severity Forecast/Actual:</b>	N/A / N/A
<b>Altimeter Setting:</b>	29.73 inches Hg	<b>Temperature/Dew Point:</b>	16°C / 11°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	Skwentna, AK	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	Anchorage, AK (LHD )	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>		<b>Type of Airspace:</b>	Class D

## Airport Information

<b>Airport:</b>	LAKE HOOD LHD	<b>Runway Surface Type:</b>	Water
<b>Airport Elevation:</b>	79 ft msl	<b>Runway Surface Condition:</b>	Water-calm
<b>Runway Used:</b>	W	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	4541 ft / 188 ft	<b>VFR Approach/Landing:</b>	Full stop

## 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>	61.17889,-149.964447(est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Swenson, Eric
<b>Additional Participating Persons:</b>	Hal Robertson; FAA; Anchorage, AK
<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=97549">https://data.nts.gov/Docket?ProjectID=97549</a>

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