



# National Transportation Safety Board Aviation Accident Final Report

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<b>Location:</b>	Yakutat, AK	<b>Accident Number:</b>	GAA16CA474
<b>Date &amp; Time:</b>	09/02/2016, 1700 AKD	<b>Registration:</b>	N54AF
<b>Aircraft:</b>	CESSNA 180	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Nose over/nose down	<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

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## Analysis

The pilot of the tailwheel equipped airplane reported that during the landing roll on a grass field the airplane encountered standing water and nosed over.

The airplane sustained substantial damage to the left wing, the right wing strut, and the empennage.

The pilot reported that there were no preimpact mechanical failures or malfunctions with the airframe or engine that would have precluded normal operation.

The pilot reported as a safety recommendation to conduct a more thorough pre-landing reconnaissance of the intended landing zone.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's inadequate inspection of the off-airport landing area, which resulted in an encounter with standing water and a nose over.

## Findings

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<b>Personnel issues</b>	Monitoring environment - Pilot (Cause)
<b>Environmental issues</b>	Water - Effect on operation (Cause)

## Factual Information

### History of Flight

Landing-landing roll	Nose over/nose down (Defining event)
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### Pilot Information

Certificate:	Airline Transport; Flight Instructor; Commercial	Age:	61, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land; Single-engine Sea	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	3-point
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	Airplane Multi-engine; Airplane Single-engine; Instrument Airplane	Toxicology Performed:	No
Medical Certification:	Class 2 With Waivers/Limitations	Last Medical Exam:	01/12/2016
Occupational Pilot:	Yes	Last Flight Review or Equivalent:	05/27/2015
Flight Time:	(Estimated) 14300 hours (Total, all aircraft), 990 hours (Total, this make and model), 14209 hours (Pilot In Command, all aircraft), 68 hours (Last 90 days, all aircraft), 28.4 hours (Last 30 days, all aircraft)		

### Aircraft and Owner/Operator Information

Aircraft Manufacturer:	CESSNA	Registration:	N54AF
Model/Series:	180 UNDESIGNAT	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	30943
Landing Gear Type:	Tailwheel	Seats:	3
Date/Type of Last Inspection:	04/01/2016, Annual	Certified Max Gross Wt.:	2550 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	3874.6 Hours	Engine Manufacturer:	CONT MOTOR
ELT:	C91A installed, activated, did not aid in locating accident	Engine Model/Series:	10520ACC
Registered Owner:	J. D. FLYING LLC.	Rated Power:	235 hp
Operator:	On file	Air Carrier Operating Certificate:	None

## Meteorological Information and Flight Plan

Observation Facility, Elevation:	PAYA, 31 ft msl	Observation Time:	0053 UTC
Distance from Accident Site:	24 Nautical Miles	Condition of Light:	Day
Direction from Accident Site:	120°	Conditions at Accident Site:	Visual Conditions
Lowest Cloud Condition:	Few / 10000 ft agl	Temperature/Dew Point:	18°C / 7°C
Lowest Ceiling:		Visibility	10 Miles
Wind Speed/Gusts, Direction:	3 knots, 280°	Visibility (RVR):	
Altimeter Setting:	29.98 inches Hg	Visibility (RVV):	
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Yakutat, AK	Type of Flight Plan Filed:	None
Destination:	Yakutat, AK	Type of Clearance:	None
Departure Time:	1655 AKD	Type of Airspace:	Class G

## 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		

## Administrative Information

Investigator In Charge (IIC):	Kathryn R Benhoff	Adopted Date:	12/05/2016
Additional Participating Persons:	Tom Tilson; FAA; Juneau, AK		
Publish Date:	12/05/2016		
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	<a href="http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=93985">http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=93985</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.