



Aviation Investigation Final Report

Location:	Nenana, Alaska	Accident Number:	ANC14CA078
Date & Time:	September 12, 2014, 22:45 Local	Registration:	N2419F
Aircraft:	Cessna 180H	Aircraft Damage:	Substantial
Defining Event:	Hard landing	Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot reported that he was landing a float-equipped airplane, during dark night conditions, in a 100 foot wide water lane that was adjacent to a lighted runway. The pilot said that as he approached his destination, he activated the lights on the adjacent runway to gain reference of the water's surface. On touchdown, the airplane bounced and became airborne. He recovered from the bounce, and added engine power to cushion the landing, but the airplane veered to the left, and the floats collided with the shoreline. The airplane continued onshore and it subsequently nosed over, sustaining substantial damage to the wings, fuselage, and empennage.

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 improper recovery from a bounced landing, and his failure to maintain directional control of the airplane, while landing during dark night conditions.

Findings

Personnel issues	Aircraft control - Pilot
Environmental issues	Dark - Effect on operation
Aircraft	Directional control - Not attained/maintained
Aircraft	Landing flare - Incorrect use/operation

Factual Information

History of Flight

Landing-flare/touchdown	Hard landing (Defining event)
Landing-flare/touchdown	Runway excursion
Landing-flare/touchdown	Nose over/nose down

Pilot Information

Certificate:	Private	Age:	64
Airplane Rating(s):	Single-engine land; Single-engine sea	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	4-point
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 With waivers/limitations	Last FAA Medical Exam:	May 20, 2014
Occupational Pilot:	No	Last Flight Review or Equivalent:	June 17, 2014
Flight Time:	1760 hours (Total, all aircraft), 1129 hours (Total, this make and model), 1590 hours (Pilot In Command, all aircraft), 18 hours (Last 90 days, all aircraft), 14 hours (Last 30 days, all aircraft), 7 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N2419F
Model/Series:	180H H	Aircraft Category:	Airplane
Year of Manufacture:	1965	Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	18051619
Landing Gear Type:	Float	Seats:	4
Date/Type of Last Inspection:	August 11, 2014 Annual	Certified Max Gross Wt.:	2800 lbs
Time Since Last Inspection:	14 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	2489 Hrs at time of accident	Engine Manufacturer:	CONT MOTOR
ELT:	C91A installed, not activated	Engine Model/Series:	O-470 SERIES
Registered Owner:	On file	Rated Power:	230 Horsepower
Operator:	On file	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Night/dark
Observation Facility, Elevation:	PANN,362 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	22:30 Local	Direction from Accident Site:	348°
Lowest Cloud Condition:	Clear / 5000 ft AGL	Visibility	20 miles
Lowest Ceiling:	Unknown	Visibility (RVR):	
Wind Speed/Gusts:	11 knots /	Turbulence Type Forecast/Actual:	/ None
Wind Direction:	80°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29.57 inches Hg	Temperature/Dew Point:	17°C / 7°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Nowitna River, AK	Type of Flight Plan Filed:	None
Destination:	Nenana, AK (PANN)	Type of Clearance:	None
Departure Time:		Type of Airspace:	Class E

Airport Information

Airport:	Nenana PANN	Runway Surface Type:	Water
Airport Elevation:	368 ft msl	Runway Surface Condition:	Water-glassy
Runway Used:	4W	IFR Approach:	None
Runway Length/Width:	3601 ft / 100 ft	VFR Approach/Landing:	Straight-in

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	64.546669,-149.06694(est)

Administrative Information

Investigator In Charge (IIC):	Swick, Andrew
Additional Participating Persons:	Eric Jones; Fairbanks FSDO-1; Fairbanks, AK
Original Publish Date:	November 13, 2014
Last Revision Date:	
Investigation Class:	Class
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=90068

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