



Aviation Investigation Final Report

Location:	Afton, Wyoming	Accident Number:	GAA15CA007
Date & Time:	March 13, 2015, 17:40 Local	Registration:	C-FTAD
Aircraft:	Aviat A1 - B	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot was flying a cross-country flight under visual flight rules in a tailwheel equipped airplane. During the final approach to a full stop landing, the pilot reported that he flared too high and as a result the airplane bounced and veered to the right. The pilot applied left rudder but was unable to stop the airplane from departing the runway to the right. During the runway excursion the airplane impacted a snow pile adjacent to the runway and nosed over. The pilot reported that he typically lands on soft runway surfaces less than 2,000 ft. in length and suspected that his perception during the flare may have been impacted while landing on this 7,025 ft. runway.

The pilot did not observe any preimpact mechanical malfunctions with the airplane and the winds were reporting calm during the time of the accident. Examination of the airplane revealed substantial damage to the right wing.

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

Personnel issues	Aircraft control - Pilot
Aircraft	Directional control - Not attained/maintained
Environmental issues	Snow/ice - Contributed to outcome
Personnel issues	Perception - Pilot

Factual Information

History of Flight

Landing-flare/touchdown	Abnormal runway contact
Landing-flare/touchdown	Loss of control on ground (Defining event)
Landing-landing roll	Runway excursion
Landing-landing roll	Collision with terr/obj (non-CFIT)

Pilot Information

Certificate:	Foreign; Private	Age:	67
Airplane Rating(s):	Single-engine land	Seat Occupied:	Front
Other Aircraft Rating(s):	None	Restraint Used:	5-point
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:	April 30, 2014
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	1207 hours (Total, all aircraft), 449 hours (Total, this make and model), 1105 hours (Pilot In Command, all aircraft), 14 hours (Last 90 days, all aircraft), 12 hours (Last 30 days, all aircraft), 8 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Aviat	Registration:	C-FTAD
Model/Series:	A1 - B B	Aircraft Category:	Airplane
Year of Manufacture:	2001	Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	2177
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:	March 10, 2015 Annual	Certified Max Gross Wt.:	2000 lbs
Time Since Last Inspection:	8 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	701 Hrs as of last inspection	Engine Manufacturer:	Textron Lycoming
ELT:	C126 installed, activated, aided in locating accident	Engine Model/Series:	0-360-A1P
Registered Owner:	Douglass Miller Tadman	Rated Power:	180 Horsepower
Operator:	Douglass Miller Tadman	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	AFO,6221 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	23:35 Local	Direction from Accident Site:	0°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	/	Turbulence Type Forecast/Actual:	/ None
Wind Direction:		Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30.39 inches Hg	Temperature/Dew Point:	9°C / -1°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	GREAT FALLS, MT (GTF)	Type of Flight Plan Filed:	VFR
Destination:	AFTON, WY (AFO)	Type of Clearance:	VFR
Departure Time:	14:20 Local	Type of Airspace:	Class G

Airport Information

Airport:	AFTON MUNI AFO	Runway Surface Type:	Asphalt
Airport Elevation:	6221 ft msl	Runway Surface Condition:	Dry
Runway Used:	34	IFR Approach:	None
Runway Length/Width:	7025 ft / 75 ft	VFR Approach/Landing:	Full stop;Traffic pattern

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:	42.707778,-110.941947(est)

Administrative Information

Investigator In Charge (IIC):	Gerhardt, Adam
Additional Participating Persons:	Bruce J Hanson; Federal Aviation Administration; Casper, WY
Original Publish Date:	May 13, 2015
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=90875

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