



Aviation Investigation Final Report

Location:	Skwentna, Alaska	Accident Number:	ANC15CA068
Date & Time:	August 30, 2015, 10:30 Local	Registration:	N59180
Aircraft:	Cessna 180B	Aircraft Damage:	Substantial
Defining Event:	Abnormal runway contact	Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Positioning		

Analysis

The pilot reported that while landing his tundra tire-equipped, tailwheel airplane at a remote airstrip, he encountered light windshear on short final. The airplane subsequently touched down harder than expected and bounced. In an effort to recover from the bounce, the pilot applied forward elevator control. After the main wheels were firmly on the ground, he applied aft elevator control and brake pressure, which resulted in the airplane nosing over and sustaining substantial damage to the rudder, vertical stabilizer, wings and right lift strut. The pilot stated that there were no preaccident mechanical anomalies 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 excessive use of brakes during the landing roll, which resulted in a nose over.

Findings

Personnel issues	Use of equip/system - Pilot
Aircraft	Brake - Incorrect use/operation
Aircraft	Surface speed/braking - Incorrect use/operation

Factual Information

History of Flight

Landing-flare/touchdown	Abnormal runway contact (Defining event)
Landing-landing roll	Nose over/nose down

Pilot Information

Certificate:	Commercial; Flight instructor	Age:	31, Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	3-point
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	Airplane single-engine	Toxicology Performed:	No
Medical Certification:	Class 1 Without waivers/limitations	Last FAA Medical Exam:	March 27, 2015
Occupational Pilot:	Yes	Last Flight Review or Equivalent:	August 5, 2015
Flight Time:	899 hours (Total, all aircraft), 6 hours (Total, this make and model), 899 hours (Pilot In Command, all aircraft), 121 hours (Last 90 days, all aircraft), 82 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N59180
Model/Series:	180B B	Aircraft Category:	Airplane
Year of Manufacture:	1980	Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	50582
Landing Gear Type:	Tailwheel	Seats:	4
Date/Type of Last Inspection:	June 1, 2015 Annual	Certified Max Gross Wt.:	2950 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	3640.1 Hrs as of last inspection	Engine Manufacturer:	CONT MOTOR
ELT:	Installed, activated, did not aid in locating accident	Engine Model/Series:	O 470R
Registered Owner:	ASPENGLow LLC	Rated Power:	230 Horsepower
Operator:	Above Alaska Aviation	Operating Certificate(s) Held:	On-demand air taxi (135)

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	PATK,364 ft msl	Distance from Accident Site:	42 Nautical Miles
Observation Time:	17:53 Local	Direction from Accident Site:	99°
Lowest Cloud Condition:	Scattered / 7500 ft AGL	Visibility	10 miles
Lowest Ceiling:		Visibility (RVR):	
Wind Speed/Gusts:	/	Turbulence Type Forecast/Actual:	/
Wind Direction:		Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29.36 inches Hg	Temperature/Dew Point:	6°C / 1°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Talkeetna, AK (PATK)	Type of Flight Plan Filed:	VFR
Destination:	Skwentna, AK (PVT)	Type of Clearance:	None
Departure Time:		Type of Airspace:	Class G

Airport Information

Airport:	Chelatna Lake Strip PVT	Runway Surface Type:	Gravel
Airport Elevation:	1390 ft msl	Runway Surface Condition:	Dry
Runway Used:	24	IFR Approach:	None
Runway Length/Width:	1600 ft / 75 ft	VFR Approach/Landing:	Full stop

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:	62.433612,-151.414993(est)

Administrative Information

Investigator In Charge (IIC):	Banning, David
Additional Participating Persons:	Charles Gillespie; Federal Aviation Administration; Anchorage, AK
Original Publish Date:	May 3, 2016
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=91898

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