



Aviation Investigation Final Report

Location:	Bear Valley, Alaska	Accident Number:	WPR20CA233
Date & Time:	July 19, 2020, 19:30 Local	Registration:	N2929C
Aircraft:	Cessna 180	Aircraft Damage:	Substantial
Defining Event:	Nose over/nose down	Injuries:	2 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot of a tailwheel-equipped airplane reported that, after landing on a gravel runway, he was taxiing with speed to the turnaround point. He applied brakes, the tail of the airplane came up and the airplane nosed over.

The airplane sustained substantial damage to the left wing and vertical stabilizer.

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 over application of brakes during taxi, which resulted in a nose over.

Findings

Aircraft	Brake - Incorrect use/operation
Personnel issues	Aircraft control - Pilot

Factual Information

History of Flight

Taxi	Nose over/nose down (Defining event)
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Pilot Information

Certificate:	Private	Age:	22, Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	4-point
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Without waivers/limitations	Last FAA Medical Exam:	August 11, 2015
Occupational Pilot:	No	Last Flight Review or Equivalent:	March 1, 2020
Flight Time:	(Estimated) 637 hours (Total, all aircraft), 152 hours (Total, this make and model), 583 hours (Pilot In Command, all aircraft), 42 hours (Last 90 days, all aircraft), 12 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N2929C
Model/Series:	180 Undesignat	Aircraft Category:	Airplane
Year of Manufacture:	1954	Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	30829
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:	October 29, 2019 Annual	Certified Max Gross Wt.:	2550 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	5689 Hrs at time of accident	Engine Manufacturer:	Continental
ELT:	C126 installed, activated, aided in locating accident	Engine Model/Series:	O-520
Registered Owner:	On file	Rated Power:	265 Horsepower
Operator:	On file	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Unknown	Condition of Light:	Day
Observation Facility, Elevation:	PAMR,138 ft msl	Distance from Accident Site:	10 Nautical Miles
Observation Time:	01:53 Local	Direction from Accident Site:	339°
Lowest Cloud Condition:	Few / 4000 ft AGL	Visibility	10 miles
Lowest Ceiling:	Overcast / 12000 ft AGL	Visibility (RVR):	
Wind Speed/Gusts:	4 knots /	Turbulence Type Forecast/Actual:	None / None
Wind Direction:	270°	Turbulence Severity Forecast/Actual:	N/A / N/A
Altimeter Setting:	29.8 inches Hg	Temperature/Dew Point:	19°C / 11°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Girdwood, AK (AQY)	Type of Flight Plan Filed:	None
Destination:	Anchorage, AK (MRI)	Type of Clearance:	None
Departure Time:		Type of Airspace:	Class G

Airport Information

Airport:	Bear Valley PVT	Runway Surface Type:	Gravel
Airport Elevation:	2200 ft msl	Runway Surface Condition:	Dry
Runway Used:		IFR Approach:	None
Runway Length/Width:		VFR Approach/Landing:	Full stop;Traffic pattern

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	1 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 None	Latitude, Longitude:	61.057498,-149.72999(est)

Administrative Information

Investigator In Charge (IIC):	Gutierrez, Eric
Additional Participating Persons:	Jason G Calloway; FAA; Anchorage, AK
Original Publish Date:	May 6, 2021
Last Revision Date:	
Investigation Class:	Class 4
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=101654

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