



Aviation Investigation Final Report

Location:	Chugiak, Alaska	Accident Number:	ANC18CA052
Date & Time:	June 30, 2018, 18:15 Local	Registration:	N5020D
Aircraft:	Cessna 182	Aircraft Damage:	Substantial
Defining Event:	Hard landing	Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot reported that, while performing a high-speed taxi to evaluate an erratic airspeed indicator, the airplane began to porpoise, so she performed a takeoff and maneuvered the airplane around the traffic pattern to land. The pilot was distracted by other airplanes in the traffic pattern and did not perform the landing checklist and felt "behind" the airplane. On final approach, she pushed in the throttle control to correct for a rapid descent rate; however, the engine did not respond, and the airplane landed hard in gravel short of the intended runway. The pilot added that, after the impact, she noted that the mixture control was fully out and that she may have pulled out the wrong engine control during the approach. A witness on the ground reported that the airplane descended rapidly in a flat attitude with the propeller rotating slowly. The witness responded to the accident scene and noted that the mixture, throttle, and propeller controls were all pulled out and that the pilot could not explain how that happened, but she did state that she was very distracted while flying in the pattern. The pilot stated that she had not flown for about 8 months and had no intent to fly that day. The airplane sustained substantial damage to the fuselage.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

The pilot's mismanagement of the engine controls due to distraction in the traffic pattern, which resulted in a hard landing short of the runway.

Findings

Aircraft	Mixture control - Incorrect use/operation
Personnel issues	Use of equip/system - Pilot
Personnel issues	Attention - Pilot
Personnel issues	Knowledge of equipment - Pilot

Factual Information

History of Flight

Approach	Miscellaneous/other
Landing	Landing area undershoot
Landing	Hard landing (Defining event)

Pilot Information

Certificate:	Private	Age:	61,Female
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	3-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:	June 1, 2013
Occupational Pilot:	No	Last Flight Review or Equivalent:	July 17, 2017
Flight Time:	(Estimated) 600 hours (Total, all aircraft), 150 hours (Total, this make and model), 560 hours (Pilot In Command, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N5020D
Model/Series:	182 A	Aircraft Category:	Airplane
Year of Manufacture:	1958	Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	51120
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	July 10, 2017 Annual	Certified Max Gross Wt.:	2650 lbs
Time Since Last Inspection:	14 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	3703 Hrs at time of accident	Engine Manufacturer:	Continental Motors
ELT:	Installed, not activated	Engine Model/Series:	O-470-L
Registered Owner:		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:	Day
Observation Facility, Elevation:	PABV,96 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	05:56 Local	Direction from Accident Site:	214°
Lowest Cloud Condition:		Visibility	10 miles
Lowest Ceiling:	Overcast / 8500 ft AGL	Visibility (RVR):	
Wind Speed/Gusts:	9 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	210°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30.01 inches Hg	Temperature/Dew Point:	16°C / 6°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Chugiak, AK (BCV)	Type of Flight Plan Filed:	None
Destination:	Chugiak, AK (BCV)	Type of Clearance:	None
Departure Time:		Type of Airspace:	Class G

Airport Information

Airport:	Birchwood BCV	Runway Surface Type:	Asphalt;Gravel
Airport Elevation:	83 ft msl	Runway Surface Condition:	Dry
Runway Used:	20R	IFR Approach:	None
Runway Length/Width:	4010 ft / 100 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:	61.420555,-149.500549(est)

Administrative Information

Investigator In Charge (IIC):	Price, Noreen
Additional Participating Persons:	James Grogan; Federal Aviation Administration; Anchorage, AK
Original Publish Date:	July 27, 2020
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=97726

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