



Aviation Investigation Final Report

Location:	Tyonek, Alaska	Accident Number:	ANC20CA066
Date & Time:	July 4, 2020, 13:30 Local	Registration:	N7208D
Aircraft:	Piper PA22	Aircraft Damage:	Substantial
Defining Event:	Collision during takeoff/land	Injuries:	2 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot reported that during landing on a remote unimproved airstrip, the airplane bounced, and the pilot performed a go around. During the climb, the airplane impacted tall vegetation at the end of the airstrip. The left wing and horizontal stabilizer sustained substantial damage.

The pilot stated that the airstrip was sloped upward in the direction of landing, and the temperature was very warm, which limited the airplane's performance. He stated that the accident may have been prevented if he had considered the go-around limitations before attempting to land.

The pilot stated there were no preaccident mechanical malfunctions or anomalies 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 decision to land at an unimproved airstrip with limited go-around capabilities, his improper landing flare and aborted landing, and his subsequent failure to attain sufficient altitude to clear vegetation during an attempted go-around.

Findings

Environmental issues	(general) - Decision related to condition
Aircraft	Landing flare - Incorrect use/operation
Aircraft	Altitude - Not attained/maintained
Personnel issues	Aircraft control - Pilot

Factual Information

History of Flight

Landing-aborted after touchdown	Collision during takeoff/land (Defining event)
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Pilot Information

Certificate:	Commercial; Flight instructor; Remote	Age:	33, Male
Airplane Rating(s):	Single-engine land; Single-engine sea; Multi-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	Unmanned (sUAS)	Restraint Used:	3-point
Instrument Rating(s):	Airplane	Second Pilot Present:	Yes
Instructor Rating(s):	Airplane single-engine; Instrument airplane	Toxicology Performed:	No
Medical Certification:	Class 1 Without waivers/limitations	Last FAA Medical Exam:	February 14, 2018
Occupational Pilot:	Yes	Last Flight Review or Equivalent:	
Flight Time:	1054 hours (Total, all aircraft), 150 hours (Total, this make and model), 954 hours (Pilot In Command, all aircraft), 250 hours (Last 90 days, all aircraft), 65 hours (Last 30 days, all aircraft)		

Passenger Information

Certificate:		Age:	
Airplane Rating(s):		Seat Occupied:	Right
Other Aircraft Rating(s):		Restraint Used:	3-point
Instrument Rating(s):		Second Pilot Present:	Yes
Instructor Rating(s):		Toxicology Performed:	No
Medical Certification:		Last FAA Medical Exam:	
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:			

Aircraft and Owner/Operator Information

Aircraft Make:	Piper	Registration:	N7208D
Model/Series:	PA22 150	Aircraft Category:	Airplane
Year of Manufacture:	1957	Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	22-5032
Landing Gear Type:	Tailwheel	Seats:	4
Date/Type of Last Inspection:		Certified Max Gross Wt.:	2000 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	Lycoming
ELT:		Engine Model/Series:	O-320 SERIES
Registered Owner:	On file	Rated Power:	150
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:	PAEN,92 ft msl	Distance from Accident Site:	47 Nautical Miles
Observation Time:	20:53 Local	Direction from Accident Site:	145°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	7 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	220°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30.04 inches Hg	Temperature/Dew Point:	20°C / 12°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Birchwood, AK (BCV)	Type of Flight Plan Filed:	None
Destination:	Birchwood, AK (BCV)	Type of Clearance:	None
Departure Time:		Type of Airspace:	Class G

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:	61.220001,-152.16(est)

Administrative Information

Investigator In Charge (IIC):	Price, Noreen
Additional Participating Persons:	Shawn Toth; Federal Aviation Administration; Anchorage, AK
Original Publish Date:	February 2, 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=101559

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