



Aviation Investigation Final Report

Location:	Fairbanks, Alaska	Accident Number:	ANC08CA115
Date & Time:	August 30, 2008, 17:00 Local	Registration:	N3414A
Aircraft:	Piper PA-22	Aircraft Damage:	Substantial
Defining Event:	Landing gear collapse	Injuries:	2 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The private pilot was landing on a ridgeline in a tailwheel-equipped airplane. He reported that after landing, his landing roll was longer than anticipated, and the airplane rolled into an area of rough and uneven terrain. He said that the airplane's left main landing gear wheel struck rock, and the left main landing gear leg collapsed. The airplane sustained structural damage to the left wing and the left wing lift struts. The pilot noted that there were no preaccident mechanical anomalies with the airplane.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's selection of an unsuitable landing site, resulting in a main landing gear collapse during the landing roll.

Findings

Personnel issues	Decision making/judgment - Pilot
Environmental issues	(general) - Decision related to condition
Environmental issues	Rough terrain - Contributed to outcome
Aircraft	Main landing gear - Failure

Factual Information

History of Flight

Landing-landing roll	Collision with terr/obj (non-CFIT)
Landing-landing roll	Landing gear collapse (Defining event)

Pilot Information

Certificate:	Private	Age:	34, Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
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 2, 2006
Occupational Pilot:	No	Last Flight Review or Equivalent:	August 4, 2006
Flight Time:	152 hours (Total, all aircraft), 93 hours (Total, this make and model), 119 hours (Pilot In Command, all aircraft), 10 hours (Last 90 days, all aircraft), 2 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Piper	Registration:	N3414A
Model/Series:	PA-22	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	22-1683
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:	December 29, 2007 Annual	Certified Max Gross Wt.:	1950 lbs
Time Since Last Inspection:	33 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	2496 Hrs as of last inspection	Engine Manufacturer:	Lycoming
ELT:	Installed, not activated	Engine Model/Series:	O-290-D2
Registered Owner:	Jeremy T. Amsrtup	Rated Power:	135 Horsepower
Operator:	Jeremy T. Amsrtup	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:		Distance from Accident Site:	
Observation Time:		Direction from Accident Site:	
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	/	Turbulence Type Forecast/Actual:	/
Wind Direction:		Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	
Precipitation and Obscuration:			
Departure Point:	Fairbanks , AK (MTF)	Type of Flight Plan Filed:	None
Destination:	Fairbanks, AK	Type of Clearance:	None
Departure Time:	16:30 Local	Type of Airspace:	

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:	64.036941,-147.5(est)

Administrative Information

Investigator In Charge (IIC):	Johnson, Clinton
Additional Participating Persons:	Steven Lindsey ; Federal Aviation Administration; Fairbanks , AK
Original Publish Date:	December 11, 2008
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=69174

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