



National Transportation Safety Board Aviation Accident Final Report

Location:	Valdez, AK	Accident Number:	GAA18CA489
Date & Time:	08/09/2018, 1600 AKD	Registration:	N7ZV
Aircraft:	Maule MX7	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

The pilot of the tailwheel-equipped airplane reported that he conducted a three-point landing on a sand bar and that the airplane bounced, the right main landing gear struck a rock, and the airplane then nosed over. The pilot added that he landed with "too much speed."

The airplane sustained substantial damage to the left-wing lift strut.

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 failure to maintain the proper airspeed during landing, which resulted in a bounced landing and subsequent nose-over.

Findings

Aircraft	Airspeed - Not attained/maintained (Cause)
Personnel issues	Aircraft control - Pilot (Cause)
Environmental issues	Rough terrain - Effect on operation Debris/dirt/foreign object - Effect on operation

Factual Information

History of Flight

Landing-flare/touchdown	Abnormal runway contact
Landing-landing roll	Loss of control on ground (Defining event) Collision with terr/obj (non-CFIT) Nose over/nose down

Pilot Information

Certificate:	Private	Age:	57, Male
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 With Waivers/Limitations	Last FAA Medical Exam:	02/06/2018
Occupational Pilot:	No	Last Flight Review or Equivalent:	05/17/2018
Flight Time:	(Estimated) 1080 hours (Total, all aircraft), 800 hours (Total, this make and model), 912 hours (Pilot In Command, all aircraft), 38 hours (Last 90 days, all aircraft), 8 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Maule	Registration:	N7ZV
Model/Series:	MX7 180A	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	20018C
Landing Gear Type:	Tailwheel	Seats:	4
Date/Type of Last Inspection:	08/04/2017, Annual	Certified Max Gross Wt.:	2400 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	1377 Hours at time of accident	Engine Manufacturer:	Lycoming
ELT:	C126 installed, activated, aided in locating accident	Engine Model/Series:	O-360-C4F
Registered Owner:	On file	Rated Power:	180 hp
Operator:	On file	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	PAAQ, 230 ft msl	Distance from Accident Site:	58 Nautical Miles
Observation Time:	2353 UTC	Direction from Accident Site:	261°
Lowest Cloud Condition:	Scattered / 3700 ft agl	Visibility	10 Miles
Lowest Ceiling:	Overcast / 6500 ft agl	Visibility (RVR):	
Wind Speed/Gusts:	8 knots /	Turbulence Type Forecast/Actual:	None / None
Wind Direction:	130°	Turbulence Severity Forecast/Actual:	N/A / N/A
Altimeter Setting:	29.75 inches Hg	Temperature/Dew Point:	16° C / 12° C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Willow, AK (02AK)	Type of Flight Plan Filed:	None
Destination:	Valdez, AK	Type of Clearance:	None
Departure Time:	1500 AKD	Type of Airspace:	Class G

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	61.760556, -147.080556 (est)

Administrative Information

Investigator In Charge (IIC):	Eleazar Nepomuceno	Report Date:	02/11/2020
Additional Participating Persons:	Marcus Roulet; FAA; Anchorage, AK		
Publish Date:	02/11/2020		
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	http://dms.ntsb.gov/pubdms/search/dockList.cfm?mKey=98071		

The National Transportation Safety Board (NTSB), established in 1967, is an independent federal agency mandated by Congress through the Independent Safety Board Act of 1974 to investigate transportation accidents, determine the probable causes of the accidents, issue safety recommendations, study transportation safety issues, and evaluate the safety effectiveness of government agencies involved in transportation. The NTSB makes public its actions and decisions through accident reports, safety studies, special investigation reports, safety recommendations, and statistical reviews.

The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available [here](#).