



Aviation Investigation Final Report

Location:	Akron, Colorado	Accident Number:	GAA18CA486
Date & Time:	August 11, 2018, 13:30 Local	Registration:	N527JT
Aircraft:	Bushby Mustang II	Aircraft Damage:	Substantial
Defining Event:	Miscellaneous/other	Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot reported that, while flying over the grass runway, it appeared "rough but serviceable." During landing, he found the surface was extremely rough with tall weeds. During the subsequent departure, acceleration was "less than normal" due to the vegetation. When the airplane reached the pilot's planned abort point for the runway, he realized that he had misjudged the abort point. He initially thought his selected abort point was about 800 to 1,000 ft before the end of the runway, but it was about 100 to 200 ft before the end of the runway. The airplane overran the runway, crossed a road, and struck a barbed wire fence.

The airplane sustained substantial damage to the fuselage and left wing.

The pilot reported that there were no preaccident mechanical failures or malfunctions with the airplane that would have precluded normal operation.

The Federal Aviation Administration Airport Facility Directory for the accident airport, in part, stated: "[Runways] not recommended for [takeoff or landing]."

Probable Cause and Findings

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

The pilot's improper preflight planning that did not identify the unserviceable runway; his subsequent decision to attempt to takeoff from the rough, grassy runway; and his selection of an abort point with insufficient runway remaining, which resulted in a runway overrun.

Findings

Personnel issues	Decision making/judgment - Pilot
Environmental issues	Rough terrain - Decision related to condition
Personnel issues	(general) - Pilot
Personnel issues	Identification/recognition - Pilot

Factual Information

History of Flight

Takeoff	Miscellaneous/other (Defining event)
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Pilot Information

Certificate:	Airline transport; Flight instructor	Age:	75,Male
Airplane Rating(s):	Single-engine land; Single-engine sea; Multi-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	Glider	Restraint Used:	4-point
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	Airplane single-engine; Glider; Instrument airplane	Toxicology Performed:	No
Medical Certification:	BasicMed	Last FAA Medical Exam:	
Occupational Pilot:	No	Last Flight Review or Equivalent:	May 31, 2017
Flight Time:	(Estimated) 3280 hours (Total, all aircraft), 154 hours (Total, this make and model), 3034 hours (Pilot In Command, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Bushby	Registration:	N527JT
Model/Series:	Mustang II No Series	Aircraft Category:	Airplane
Year of Manufacture:	2003	Amateur Built:	Yes
Airworthiness Certificate:	Experimental (Special)	Serial Number:	129
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:	November 4, 2017 Condition	Certified Max Gross Wt.:	1800 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	278.4 Hrs at time of accident	Engine Manufacturer:	Lycoming
ELT:	C91 installed, not activated	Engine Model/Series:	O-320-D3G
Registered Owner:		Rated Power:	160 Horsepower
Operator:		Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	KAKO,4663 ft msl	Distance from Accident Site:	7 Nautical Miles
Observation Time:	19:53 Local	Direction from Accident Site:	231°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	13 knots / 21 knots	Turbulence Type Forecast/Actual:	None / None
Wind Direction:	180°	Turbulence Severity Forecast/Actual:	N/A / N/A
Altimeter Setting:	30.2 inches Hg	Temperature/Dew Point:	31°C / 8°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	La Veta, CO (07V)	Type of Flight Plan Filed:	VFR
Destination:	Akron, CO (5V6)	Type of Clearance:	VFR flight following
Departure Time:	12:15 Local	Type of Airspace:	Class G

Airport Information

Airport:	GEBAUER 5V6	Runway Surface Type:	Grass/turf;Gravel
Airport Elevation:	4509 ft msl	Runway Surface Condition:	Dry;Holes;Rough;Vegetation
Runway Used:	26	IFR Approach:	None
Runway Length/Width:	3000 ft / 70 ft	VFR Approach/Landing:	None

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:	40.2425,-103.096107(est)

Administrative Information

Investigator In Charge (IIC):	Benhoff, Kathryn
Additional Participating Persons:	John Childers; FAA; Denver, CO
Original Publish Date:	March 18, 2019
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=98059

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