



National Transportation Safety Board Aviation Accident Final Report

Location:	San Antonio, TX	Accident Number:	GAA19CA299
Date & Time:	05/31/2019, 1432 CDT	Registration:	N902ES
Aircraft:	Cirrus SR20	Aircraft Damage:	Substantial
Defining Event:	Collision during takeoff/land	Injuries:	1 Minor
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

The pilot reported that, during the approach, the airspeed was about 80 knots, but the airplane was slightly high. The airplane floated down the runway further than normal before it touched down. When the pilot determined that he would not have enough runway to stop the airplane, he aborted the landing. The airplane did not climb as he expected, and it subsequently impacted trees. The pilot added that he believed that the reason the airplane failed to climb was due to his failure to retract the flaps to 50%. The airplane sustained substantial damage to the left wing. 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 inadequate approach, delayed decision to abort the landing, and failure to properly configure the flap setting for the initial climb during the attempted aborted landing, which resulted in impact with trees.

Findings

Aircraft	Descent/approach/glide path - Not attained/maintained (Cause) Climb rate - Not attained/maintained (Cause)
Personnel issues	Decision making/judgment - Pilot (Cause) Use of equip/system - Pilot (Cause)
Environmental issues	Tree(s) - Effect on operation (Cause)

Factual Information

History of Flight

Approach	Miscellaneous/other
Landing	Abnormal runway contact Attempted remediation/recovery
Landing-aborted after touchdown	Collision with terr/obj (non-CFIT) Collision during takeoff/land (Defining event)

Pilot Information

Certificate:	Private	Age:	51, 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 With Waivers/Limitations	Last FAA Medical Exam:	04/19/2019
Occupational Pilot:	No	Last Flight Review or Equivalent:	09/27/2018
Flight Time:	(Estimated) 116.7 hours (Total, all aircraft), 12.7 hours (Total, this make and model), 59.1 hours (Pilot In Command, all aircraft), 12.2 hours (Last 90 days, all aircraft), 3.3 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cirrus	Registration:	N902ES
Model/Series:	SR20 No Series	Aircraft Category:	Airplane
Year of Manufacture:	2002	Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	1253
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	03/21/2019, Annual	Certified Max Gross Wt.:	3000 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	992.4 Hours as of last inspection	Engine Manufacturer:	Continental
ELT:	Installed, not activated	Engine Model/Series:	IO-360-ES16B
Registered Owner:	On file	Rated Power:	200 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:	, 789 ft msl	Distance from Accident Site:	13 Nautical Miles
Observation Time:	1430 CDT	Direction from Accident Site:	262°
Lowest Cloud Condition:	Clear	Visibility	10 Miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	8 knots /	Turbulence Type Forecast/Actual:	None / None
Wind Direction:	6°	Turbulence Severity Forecast/Actual:	N/A / N/A
Altimeter Setting:		Temperature/Dew Point:	32° C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	San Antonio, TX (1T8)	Type of Flight Plan Filed:	None
Destination:	San Antonio, TX (1T8)	Type of Clearance:	None
Departure Time:	1400 CDT	Type of Airspace:	Class G

Airport Information

Airport:	Bulverde Airpark (1T8)	Runway Surface Type:	Asphalt
Airport Elevation:	1080 ft	Runway Surface Condition:	Dry
Runway Used:	16	IFR Approach:	None
Runway Length/Width:	2890 ft / 40 ft	VFR Approach/Landing:	Go Around

Wreckage and Impact Information

Crew Injuries:	1 Minor	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 Minor	Latitude, Longitude:	29.743889, -98.453056 (est)

Administrative Information

Investigator In Charge (IIC):	Eleazar Nepomuceno	Report Date:	08/03/2020
Additional Participating Persons:	Frank Fortman; FAA; San Antonio, TX		
Publish Date:	08/03/2020		
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=99525		

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