



Aviation Investigation Final Report

Location:	Swainsboro, Georgia	Accident Number:	GAA18CA449
Date & Time:	June 30, 2018, 17:00 Local	Registration:	N6167L
Aircraft:	Cessna 182	Aircraft Damage:	Substantial
Defining Event:	Hard landing	Injuries:	2 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot reported that rain showers were present near his destination airport, so he diverted and landed at a nearby airport. He added that, during the approach, he felt the airplane was being pushed forward and saw an increase in indicated airspeed and nose-down attitude. He continued the approach, and upon touchdown, the airplane landed hard on the nosewheel first and bounced, so he initiated a go-around. He then re-entered the pattern, approached the same runway, and upon touchdown, the nose landing gear (NLG) collapsed, and airplane exited the runway to the left into a ditch.

The airplane sustained substantial damage to the NLG tunnel.

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

The airport's automated weather observation station (AWOS) reported that, about 7 minutes before the accident, the wind was from 100° at 7 knots. The pilot landed the airplane on runway 32.

The pilot reported that he believed the NLG was damaged during the initial landing. He added that, after landing, the windsock was found to be damaged and that it was not indicating the wind direction properly. However, the airport's AWOS was accessible by radio.

Probable Cause and Findings

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

The pilot's unstabilized approach during the initial landing with a right quartering tailwind, which resulted in a hard landing and subsequent go-around and the collapse of the nose landing gear during the subsequent landing.

Findings

Aircraft	Airspeed - Not attained/maintained
Personnel issues	Aircraft control - Pilot
Aircraft	Descent/approach/glide path - Not attained/maintained
Environmental issues	Tailwind - Effect on operation

Factual Information

History of Flight

Approach	Other weather encounter
Landing-flare/touchdown	Hard landing (Defining event)
Landing-flare/touchdown	Landing gear collapse
Landing-flare/touchdown	Loss of control on ground

Pilot Information

Certificate:	Private	Age:	37,Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	3-point
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:	December 28, 2015
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	(Estimated)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N6167L
Model/Series:	182 T	Aircraft Category:	Airplane
Year of Manufacture:	2004	Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	18281380
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	Unknown	Certified Max Gross Wt.:	2348 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	Lycoming
ELT:	Installed, not activated	Engine Model/Series:	IO-540 SER
Registered Owner:		Rated Power:	
Operator:		Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	KSBO,329 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	20:53 Local	Direction from Accident Site:	180°
Lowest Cloud Condition:	Clear	Visibility	
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	7 knots /	Turbulence Type Forecast/Actual:	None / None
Wind Direction:	100°	Turbulence Severity Forecast/Actual:	N/A / N/A
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	34°C / 23°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Batavia, OH (I69)	Type of Flight Plan Filed:	VFR
Destination:	Jacksonville, FL (CRG)	Type of Clearance:	VFR;VFR flight following
Departure Time:	14:00 Local	Type of Airspace:	Class G

Airport Information

Airport:	East Georgia Regional SBO	Runway Surface Type:	Asphalt
Airport Elevation:	327 ft msl	Runway Surface Condition:	Dry
Runway Used:	32	IFR Approach:	None
Runway Length/Width:	6021 ft / 100 ft	VFR Approach/Landing:	Full stop;Straight-in

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:	32.609165,-82.370002(est)

Administrative Information

Investigator In Charge (IIC):	Nepomuceno, Eleazar
Additional Participating Persons:	Mark Fayerman; FAA; Atlanta, GA
Original Publish Date:	September 26, 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=97912

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](#).