



Aviation Investigation Final Report

Location:	Hillsboro, Ohio	Accident Number:	GAA16CA471
Date & Time:	August 6, 2016, 17:00 Local	Registration:	N7292P
Aircraft:	Piper PA24	Aircraft Damage:	Substantial
Defining Event:	Landing area undershoot	Injuries:	2 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot reported that during approach, he reduced power and was convinced he had enough altitude to land on the grass runway. The pilot further reported that the airplane impacted a ditch prior to the runway which resulted in a sheared nose landing gear, collapsed main gear, and then slid about 200 feet.

The airplane sustained substantial damage to the left wing.

The pilot reported that there were no preimpact mechanical failures or malfunctions with the airframe or engine 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 descent below the intended glidepath during the approach, which resulted in an impact with a ditch prior to the runway.

Findings

Personnel issues	Aircraft control - Pilot
Aircraft	Descent/approach/glide path - Not attained/maintained
Environmental issues	(general) - Contributed to outcome

Factual Information

History of Flight

Approach-VFR pattern final	Miscellaneous/other
Landing	Landing area undershoot (Defining event)
Landing	Collision with terr/obj (non-CFIT)
Landing	Landing gear collapse

Pilot Information

Certificate:	Private	Age:	56, Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Lap only
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:	April 17, 2015
Occupational Pilot:	No	Last Flight Review or Equivalent:	January 5, 2016
Flight Time:	(Estimated) 262 hours (Total, all aircraft), 99 hours (Total, this make and model), 203 hours (Pilot In Command, all aircraft), 9 hours (Last 90 days, all aircraft), 4 hours (Last 30 days, all aircraft)		

Passenger Information

Certificate:		Age:	Female
Airplane Rating(s):		Seat Occupied:	Right
Other Aircraft Rating(s):		Restraint Used:	Lap only
Instrument Rating(s):		Second Pilot Present:	No
Instructor Rating(s):		Toxicology Performed:	No
Medical Certification:		Last FAA Medical Exam:	
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:			

Aircraft and Owner/Operator Information

Aircraft Make:	Piper	Registration:	N7292P
Model/Series:	PA24 250	Aircraft Category:	Airplane
Year of Manufacture:	1961	Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	24-2470
Landing Gear Type:	Retractable - Tricycle	Seats:	4
Date/Type of Last Inspection:	July 5, 2015 Annual	Certified Max Gross Wt.:	2900 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	3650.2 Hrs as of last inspection	Engine Manufacturer:	LYCOMING
ELT:	Installed, not activated	Engine Model/Series:	O-540-A1E5
Registered Owner:	On file	Rated Power:	250 Horsepower
Operator:	On file	Operating Certificate(s) Held:	Fractional ownership

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	KILN,1077 ft msl	Distance from Accident Site:	11 Nautical Miles
Observation Time:	20:54 Local	Direction from Accident Site:	321°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	9 knots /	Turbulence Type Forecast/Actual:	/ None
Wind Direction:	350°	Turbulence Severity Forecast/Actual:	/ N/A
Altimeter Setting:	29.92 inches Hg	Temperature/Dew Point:	28°C / 16°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	HILLSBORO, OH (HOC)	Type of Flight Plan Filed:	None
Destination:	Hillsboro, OH	Type of Clearance:	None
Departure Time:	16:50 Local	Type of Airspace:	Class G

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:	39.280555,-83.675834(est)

Administrative Information

Investigator In Charge (IIC):	Benhoff, Kathryn
Additional Participating Persons:	Matt Meyer; FAA; Cincinnati, OH
Original Publish Date:	December 5, 2016
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=93966

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