



Aviation Investigation Final Report

Location:	Williamstown, New Jersey	Accident Number:	GAA16CA276
Date & Time:	June 4, 2016, 17:30 Local	Registration:	N6453U
Aircraft:	Mooney M20C	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot reported that while landing on a wet grass runway, he touched down long, skidded about 200 feet, and was unable to slow the airplane. Subsequently, the airplane overran the runway and struck a fence about 20 feet beyond the end of the runway, which resulted in substantial damage to the firewall.

The pilot did not report any mechanical malfunctions or failures 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 landing area overshoot and failure to maintain surface speed and braking capability, which resulted in a runway overrun and a collision with a fence.

Findings

Aircraft	Surface speed/braking - Not attained/maintained
Personnel issues	Aircraft control - Pilot
Aircraft	Descent/approach/glide path - Not attained/maintained
Environmental issues	Wet surface - Effect on equipment
Environmental issues	Fence/fence post - Contributed to outcome

Factual Information

History of Flight

Landing-flare/touchdown	Landing area overshoot
Landing-landing roll	Loss of control on ground (Defining event)
Landing-landing roll	Runway excursion
Landing-landing roll	Collision with terr/obj (non-CFIT)

Pilot Information

Certificate:	Private	Age:	52, Male
Airplane Rating(s):	Single-engine land; Multi-engine land	Seat Occupied:	Unknown
Other Aircraft Rating(s):	None	Restraint Used:	Unknown
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 16, 2014
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:			

Aircraft and Owner/Operator Information

Aircraft Make:	Mooney	Registration:	N6453U
Model/Series:	M20C	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	2200
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	Unknown	Certified Max Gross Wt.:	
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	Lycoming
ELT:		Engine Model/Series:	O&VO-360
Registered Owner:	On file	Rated Power:	
Operator:	On file	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	KPHL,36 ft msl	Distance from Accident Site:	16 Nautical Miles
Observation Time:	23:54 Local	Direction from Accident Site:	330°
Lowest Cloud Condition:	Few / 5000 ft AGL	Visibility	10 miles
Lowest Ceiling:	Broken / 25000 ft AGL	Visibility (RVR):	
Wind Speed/Gusts:	8 knots /	Turbulence Type Forecast/Actual:	/ None
Wind Direction:	180°	Turbulence Severity Forecast/Actual:	/ N/A
Altimeter Setting:	29.92 inches Hg	Temperature/Dew Point:	26°C / 18°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	WILLIAMSTOWN, NJ (C01)	Type of Flight Plan Filed:	Unknown
Destination:	Williamstown, NJ (C01)	Type of Clearance:	Unknown
Departure Time:		Type of Airspace:	Class G

Airport Information

Airport:	SOUTHERN CROSS C01	Runway Surface Type:	Grass/turf
Airport Elevation:	145 ft msl	Runway Surface Condition:	Wet
Runway Used:	09	IFR Approach:	None
Runway Length/Width:	2400 ft / 80 ft	VFR Approach/Landing:	Full stop;Traffic pattern

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:	39.629444,-75.024719(est)

Administrative Information

Investigator In Charge (IIC):	Gerhardt, Adam
Additional Participating Persons:	Joseph Kain; FAA; Philadelphia, PA
Original Publish Date:	August 3, 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=93308

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