



National Transportation Safety Board Aviation Accident Final Report

Location:	Van Nuys, CA	Accident Number:	GAA19CA448
Date & Time:	07/22/2019, 1830 PDT	Registration:	N737DW
Aircraft:	Cessna 172	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Aerial Observation		

Analysis

The pilot reported that, during landing, shortly after the main landing gear touched down, the airplane veered left, exited the runway, and impacted the visual approach slope indicator. 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 failure to maintain directional control during landing with a left quartering crosswind, which resulted in a runway excursion and impact with runway lighting.

Findings

Aircraft	Directional control - Not attained/maintained (Cause)
Personnel issues	Aircraft control - Pilot (Cause)
Environmental issues	Runway/taxi/approach light - Effect on operation (Cause) Crosswind - Effect on operation (Cause)

Factual Information

History of Flight

Landing	Loss of control on ground (Defining event) Runway excursion Collision with terr/obj (non-CFIT)
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Pilot Information

Certificate:	Commercial; Private	Age:	36, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Seat Occupied:	Front
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 1 With Waivers/Limitations	Last FAA Medical Exam:	04/19/2018
Occupational Pilot:	Yes	Last Flight Review or Equivalent:	05/28/2019
Flight Time:	(Estimated) 1308 hours (Total, all aircraft), 800 hours (Total, this make and model), 1194 hours (Pilot In Command, all aircraft), 253 hours (Last 90 days, all aircraft), 54 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N737DW
Model/Series:	172 N	Aircraft Category:	Airplane
Year of Manufacture:	1977	Amateur Built:	No
Airworthiness Certificate:	Normal; Utility	Serial Number:	17269347
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	Unknown	Certified Max Gross Wt.:	2299 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	Lycoming
ELT:	Installed	Engine Model/Series:	O-320 SERIES
Registered Owner:	Mh Aviation Inc	Rated Power:	180 hp
Operator:	Mh Aviation Inc	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Night
Observation Facility, Elevation:	KVNY, 770 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	0132 UTC	Direction from Accident Site:	71°
Lowest Cloud Condition:	Clear	Visibility	10 Miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	9 knots /	Turbulence Type Forecast/Actual:	None / None
Wind Direction:	120°	Turbulence Severity Forecast/Actual:	N/A / N/A
Altimeter Setting:	29.93 inches Hg	Temperature/Dew Point:	29° C / 13° C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Van Nuys, CA (VNY)	Type of Flight Plan Filed:	None
Destination:	Van Nuys, CA (VNY)	Type of Clearance:	VFR
Departure Time:	1520 PDT	Type of Airspace:	Class D

Airport Information

Airport:	Van Nuys (VNY)	Runway Surface Type:	Asphalt
Airport Elevation:	802 ft	Runway Surface Condition:	Dry
Runway Used:	16R	IFR Approach:	None
Runway Length/Width:	8001 ft / 150 ft	VFR Approach/Landing:	Straight-in

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	34.209722, -118.490000 (est)

Administrative Information

Investigator In Charge (IIC):	Eleazar Nepomuceno	Report Date:	04/13/2020
Additional Participating Persons:	Frank Motter; FAA; Van Nuys, CA		
Publish Date:	04/13/2020		
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=99915		

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](#).