



National Transportation Safety Board Aviation Accident Data Summary

Location:	Everglades City, FL	Accident Number:	ERA15CA042
Date & Time:	11/03/2014, 1215 EST	Registration:	N696PT
Aircraft:	CESSNA 172M	Injuries:	3 None
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Analysis

According to the student pilot, he was performing a full stop landing from the left seat with his instructor in the right seat. During the flare, a sudden gust of wind "pushed the airplane to the left" and the instructor took the controls. The instructor pilot also reported that a sudden, heavy gust of wind was encountered, and the airplane "started ballooning up" and turned "drastically" to the left. The instructor attempted a go-around; however, the airplane was already at low altitude and it collided with the ground. The airplane impacted hard on the grassy area adjacent to the runway, breaking off the nose gear. Federal Aviation Administration inspectors reported that substantial damage resulted to the airframe's left and right wings. The instructor pilot reported that there were no mechanical problems with the airplane at the time of the accident. Although there was no weather reporting capability at the landing airport, gusting wind conditions were reported about 18 miles to the northwest.

Flight Events

Landing-flare/touchdown - Other weather encounter
Landing-flare/touchdown - Loss of control in flight
Landing-flare/touchdown - Collision with terr/obj (non-CFIT)

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The student pilot's failure to compensate for gusting wind conditions during the flare, and the flight instructor's failure to intervene in a timely manner, resulting in a loss of airplane control and hard landing off of the runway.

Findings

Aircraft-Aircraft oper/perf/capability-Performance/control parameters-Landing flare-Not attained/maintained - C
Personnel issues-Task performance-Use of equip/info-Aircraft control-Student/instructed pilot - C
Personnel issues-Action/decision-Action-Delayed action-Instructor/check pilot - C
Environmental issues-Conditions/weather/phenomena-Wind-Gusts-Contributed to outcome

Flight Instructor Information

Certificate:	Flight Instructor; Commercial	Age:	30
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	Airplane Single-engine
Flight Time:	584 hours (Total, all aircraft), 244 hours (Total, this make and model), 505 hours (Pilot In Command, all aircraft), 221 hours (Last 90 days, all aircraft)		

Student Pilot Information

Certificate:	Student	Age:	20
Airplane Rating(s):	None	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	40 hours (Total, all aircraft), 40 hours (Total, this make and model), 29 hours (Last 90 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	CESSNA	Registration:	N696PT
Model/Series:	172M	Engines:	1 Reciprocating
Operator:	PILOT TRAINING CENTER LLC	Engine Manufacturer:	LYCOMING
Air Carrier Operating Certificate:	None	Engine Model/Series:	0-320 SERIES
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Meteorological Information and Flight Plan

Observation Facility, Elevation:	MKY, 5 ft msl	Weather Information Source:	Weather Observation Facility
Conditions at Accident Site:	Visual Conditions	Lowest Ceiling:	None
Condition of Light:	Day	Wind Speed/Gusts, Direction:	7 knots/ 14 knots, 40°
Temperature:	24°C / 12°C	Visibility	10 Miles
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Miami, FL (TMB)	Destination:	Everglades City, FL (X01)

Airport Information

Airport:	Everglades Airpark (X01)	Runway Surface Type:	Asphalt
Runway Used:	33	Runway Surface Condition:	Dry
Runway Length/Width:	2400 ft / 60 ft		

Wreckage and Impact Information

Crew Injuries:	2 None	Aircraft Damage:	Substantial
Passenger Injuries:	1 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None

Administrative Information

Investigator In Charge (IIC):	Ralph E Hicks	Adopted Date:	02/11/2015
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=90352		

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