



National Transportation Safety Board Aviation Accident Data Summary

Location:	West Chicago, IL	Accident Number:	CHI07CA128
Date & Time:	05/01/2007, 1650 CDT	Registration:	N97224
Aircraft:	Cessna 172P	Injuries:	2 None
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Analysis

The airplane impacted a ditch following an uncontrolled exit from the runway surface (runway 33, 3,401 feet long, 100 foot wide, dry concrete). The instructor reported that after touchdown, the power was increased but the airplane yawed into the left crosswind. The airplane then exited the runway into the grass adjacent to the runway. The instructor stated that the main gear dragged in the grass and the nose gear dug into the ground. The airplane then pivoted to the right and the left wingtip impacted and dragged through the grass. The reported wind conditions about the time of the accident were from 280 magnetic degrees at 13 knots, gusting to 21 knots. Inspection of the airplane did not reveal any flight control or mechanical malfunction that would have prevented normal operation.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The instructor's inadequate remedial action following the student pilot's loss of control during the crosswind landing and the instructor's failure to compensate for the wind conditions. Contributing factors were, the crosswind, the gusting wind conditions and the ditch.

Findings

Occurrence #1: LOSS OF CONTROL - ON GROUND/WATER
Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

1. (C) REMEDIAL ACTION - INADEQUATE - PILOT IN COMMAND(CFI)
 2. (F) COMPENSATION FOR WIND CONDITIONS - INADEQUATE - PILOT IN COMMAND(CFI)
 3. (F) WEATHER CONDITION - CROSSWIND
 4. (F) WEATHER CONDITION - GUSTS
-

Occurrence #2: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER
Phase of Operation: LANDING

Findings

5. (F) TERRAIN CONDITION - DITCH

Flight Instructor Information

Certificate:	Flight Instructor; Commercial	Age:	27
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	Airplane Single-engine; Instrument Airplane
Flight Time:	1078 hours (Total, all aircraft), 760 hours (Total, this make and model), 984 hours (Pilot In Command, all aircraft), 91 hours (Last 90 days, all aircraft), 26 hours (Last 30 days, all aircraft), 4 hours (Last 24 hours, all aircraft)		

Student Pilot Information

Certificate:	Student	Age:	17
Airplane Rating(s):	None	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	54 hours (Total, all aircraft), 54 hours (Total, this make and model), 5 hours (Pilot In Command, all aircraft), 54 hours (Last 90 days, all aircraft), 0 hours (Last 30 days, all aircraft), 0 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N97224
Model/Series:	172P	Engines:	1 Reciprocating
Operator:	American Flyers	Engine Manufacturer:	Lycoming
Operating Certificate(s) Held:	None	Engine Model/Series:	O-320
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	DPA, 758 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	None	Wind Speed/Gusts, Direction:	13 knots / 21 knots, 280°
Temperature:	26° C	Visibility	10 Miles
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	West Chicago, IL (DPA)	Destination:	

Airport Information

Airport:	DuPage Airport (DPA)	Runway Surface Type:	Concrete
Runway Used:	33	Runway Surface Condition:	Dry
Runway Length/Width:	3401 ft / 100 ft		

Wreckage and Impact Information

Crew Injuries:	2 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Latitude, Longitude:	41.907778, -88.248611		

Administrative Information

Investigator In Charge (IIC): James Silliman **Adopted Date:** 06/27/2007

Note: This accident report documents the factual circumstances of this accident as described to the NTSB.

Investigation Docket: NTSB accident and incident dockets serve as permanent archival information for the NTSB's investigations. Dockets released prior to June 1, 2009 are publicly available from the NTSB's Record Management Division at pubinq@ntsb.gov, or at 800-877-6799. Dockets released after this date are available at <http://dms.nts.gov/pubdms/>.

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.