



National Transportation Safety Board Aviation Accident Final Report

Location:	Loveland, CO	Accident Number:	DEN07CA111
Date & Time:	07/01/2007, 0945 MDT	Registration:	N180EV
Aircraft:	Cessna 180A	Aircraft Damage:	Substantial
Defining Event:		Injuries:	4 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

The pilot reported encountering a gust of wind on landing causing the airplane to ground loop. The pilot and three passengers on board were not injured. An examination of the airplane showed the left wing bent aft. The left main landing gear was broken aft. The airplane's firewall was bent. The cowling was crushed inward and aft. The propeller showed torsional bending at the blade tips. The left horizontal stabilizer and elevator were bent aft. Flight control continuity was confirmed. An examination of the airplane's systems showed no anomalies. The reported wind conditions for the airport 10 minutes after the accident occurred were 180 degrees at 5 knots. The wind conditions were calm 30 minutes prior to the accident.

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 of the airplane during landing.

Findings

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

Findings

1. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND

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

Findings

2. TERRAIN CONDITION - RUNWAY

Factual Information

Pilot Information

Certificate:	Private	Age:	77, Male
Airplane Rating(s):	Single-engine Land	Seat Occupied:	
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	Airplane	Second Pilot Present:	
Instructor Rating(s):	None	Toxicology Performed:	
Medical Certification:	Class 3	Last FAA Medical Exam:	11/01/2006
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	2545 hours (Total, all aircraft), 1381 hours (Total, this make and model), 29 hours (Last 90 days, all aircraft), 24 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N180EV
Model/Series:	180A	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	32949
Landing Gear Type:	Tailwheel	Seats:	
Date/Type of Last Inspection:		Certified Max Gross Wt.:	
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	Continental
ELT:		Engine Model/Series:	O-470-K
Registered Owner:	Richard H. Otteman	Rated Power:	
Operator:	Richard H. Otteman	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:		Distance from Accident Site:	
Observation Time:		Direction from Accident Site:	
Lowest Cloud Condition:		Visibility	10 Miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	5 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	180°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	18° C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Pender, NE (OV4)	Type of Flight Plan Filed:	None
Destination:	Loveland, CO (FNL)	Type of Clearance:	None
Departure Time:		Type of Airspace:	

Airport Information

Airport:	FORT COLLINS-LOVELAND MUNI (FNL)	Runway Surface Type:	
Airport Elevation:		Runway Surface Condition:	
Runway Used:		IFR Approach:	
Runway Length/Width:		VFR Approach/Landing:	

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	3 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	
Total Injuries:	4 None	Latitude, Longitude:	40.451944, -105.011389

Administrative Information

Investigator In Charge (IIC):	David C Bowling	Report Date:	08/30/2007
Additional Participating Persons:			
Publish Date:			
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. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available [here](#).