



Aviation Investigation Final Report

Location:	HOLLBROOK, Arizona	Accident Number:	LAX89LA166
Date & Time:	April 20, 1989, 17:31 Local	Registration:	N12428
Aircraft:	WACO QCF	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

DURING A LANDING, THE AIRPLANE MADE A THREE POINT TOUCHDOWN. A GUST OF WIND CAUGHT THE AIRPLANE WHICH BECAME AIRBORNE. THE PILOT ATTEMPTED TO RELAND, HOWEVER, THE LANDING WAS HARD AND THE AIRPLANE BOUNCED. THE PILOT ADDED FULL POWER WHEN THE AIRPLANE BEGAN TO GROUND LOOP. UNABLE TO MAINTAIN CONTROL, THE AIRPLANE EXITED THE RUNWAY INTO A SANDY AREA. THE PILOT REPORTED THAT THERE WERE NO MECHANICAL DIFFICULTIES WITH THE AIRPLANE AT THE TIME OF 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 DUE TO GUSTING WIND CONDITIONS. THE PILOT DID NOT ADEQUATELY CORRECT THE SITUATION BEFORE THE AIRPLANE TRAVELED INTO SOFT TERRAIN.

Findings

Occurrence #1: LOSS OF CONTROL - IN FLIGHT
Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

1. (F) WEATHER CONDITION - GUSTS
2. (C) RECOVERY FROM BOUNCED LANDING - IMPROPER - PILOT IN COMMAND

Occurrence #2: HARD LANDING
Phase of Operation: LANDING - FLARE/TOUCHDOWN

Occurrence #3: LOSS OF CONTROL - ON GROUND/WATER
Phase of Operation: LANDING - ROLL

Findings

- 3. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND
- 4. (F) REMEDIAL ACTION - INADEQUATE - PILOT IN COMMAND

Occurrence #4: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER
Phase of Operation: LANDING - ROLL

Findings

- 5. (F) TERRAIN CONDITION - SOFT

Factual Information

Pilot Information

Certificate:	Private	Age:	45, Male
Airplane Rating(s):	Single-engine land; Single-engine sea; Multi-engine land	Seat Occupied:	Rear
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 2 Valid Medical--w/ waivers/lim	Last FAA Medical Exam:	April 11, 1989
Occupational Pilot:	UNK	Last Flight Review or Equivalent:	
Flight Time:	2470 hours (Total, all aircraft), 72 hours (Total, this make and model), 322 hours (Pilot In Command, all aircraft), 33 hours (Last 90 days, all aircraft), 14 hours (Last 30 days, all aircraft), 3 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	WACO	Registration:	N12428
Model/Series:	QCF QCF	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	3569
Landing Gear Type:	Tailwheel	Seats:	3
Date/Type of Last Inspection:	March 11, 1989 Annual	Certified Max Gross Wt.:	2300 lbs
Time Since Last Inspection:	7 Hrs	Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	CONTINENTAL
ELT:	Installed, not activated	Engine Model/Series:	W-670-6A
Registered Owner:		Rated Power:	220 Horsepower
Operator:		Operating Certificate(s) Held:	None
Operator Does Business As:		Operator Designator Code:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:		Distance from Accident Site:	
Observation Time:		Direction from Accident Site:	
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	25 knots / 35 knots	Turbulence Type Forecast/Actual:	/
Wind Direction:	225°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	27°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	CAREFREE , AZ	Type of Flight Plan Filed:	None
Destination:	HOLLBROOK , AZ (P14)	Type of Clearance:	None
Departure Time:	16:00 Local	Type of Airspace:	Class G

Airport Information

Airport:	HOLLBROOK P14	Runway Surface Type:	Asphalt
Airport Elevation:	5245 ft msl	Runway Surface Condition:	Dry
Runway Used:	21	IFR Approach:	None
Runway Length/Width:	6700 ft / 75 ft	VFR Approach/Landing:	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:	34.939678,-110.090385(est)

Administrative Information

Investigator In Charge (IIC): Eckrote, Debra

Additional Participating Persons:

Original Publish Date: May 22, 1990

Note:

Investigation Docket: <https://data.nts.gov/Docket?ProjectID=26384>

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](#).