



National Transportation Safety Board Aviation Accident Data Summary

Location:	San Andreas, CA	Accident Number:	LAX05CA287
Date & Time:	09/01/2005, 1615 PDT	Registration:	N1644M
Aircraft:	Cessna A185E	Injuries:	4 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

The airplane encountered a dust devil during the takeoff ground roll, then it veered off the runway, and collided with a berm. About 600 feet into the takeoff ground roll the airplane veered to the left and continued in that direction even with the pilot's counteractive control input. During the event, the pilot reduced the power, the right main landing gear sheared off, and the airplane came to rest on the right wing and horizontal stabilizer. Witnesses informed the pilot that they observed a dust devil approach the airplane during takeoff roll. The pilot reported experiencing no anomalies with the airframe or engine prior to the event.

Probable Cause

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 upon encountering a dust devil during the takeoff roll.

Findings

Occurrence #1: ON GROUND/WATER ENCOUNTER WITH WEATHER
Phase of Operation: TAKEOFF - ROLL/RUN

Findings

1. WEATHER CONDITION - DUST DEVIL/WHIRLWIND

Occurrence #2: LOSS OF CONTROL - ON GROUND/WATER
Phase of Operation: TAKEOFF - ROLL/RUN

Findings

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

Occurrence #3: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER
Phase of Operation: TAKEOFF - ROLL/RUN

Findings

3. TERRAIN CONDITION - BERM

Pilot Information

Certificate:	Private	Age:	39
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	
Flight Time:	1200 hours (Total, all aircraft), 300 hours (Total, this make and model), 5 hours (Last 90 days, all aircraft), 1 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N1644M
Model/Series:	A185E	Engines:	1 Reciprocating
Operator:	Casey M. Long	Engine Manufacturer:	Continental
Operating Certificate(s) Held:	None	Engine Model/Series:	IO-520D
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	SCK	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	None	Wind Speed/Gusts, Direction:	8 knots / , 310°
Temperature:	33°C	Visibility	10 Miles
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	San Andreas, CA (CPU)	Destination:	

Airport Information

Airport:	Calaveras County (CPU)	Runway Surface Type:	Asphalt
Runway Used:	31	Runway Surface Condition:	Dry
Runway Length/Width:	3603 ft / 60 ft		

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	3 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	
Latitude, Longitude:	38.146111, -120.648056		

Administrative Information

Investigator In Charge (IIC):	Nicole L Charnon	Adopted Date:	12/20/2005
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/ .		

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