



# Aviation Investigation Final Report

<b>Location:</b>	EL CAJON, California	<b>Accident Number:</b>	LAX82DA058
<b>Date &amp; Time:</b>	January 31, 1982, 17:10 Local	<b>Registration:</b>	N2596K
<b>Aircraft:</b>	CESSNA 180K	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	3 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

THE PILOT REPORTED THAT WHILE HE AND A PASSENGER WERE ON A LOCAL FLIGHT, HE ELECTED TO LOOK AT A LOCAL GRASS STRIP NEAR EL CAPITAN LAKE. HE MADE SEVERAL LOW PASSES AND THEN TOUCHED DOWN MOMENTARILY ON A TOUCH AND GO LANDING. AFTER THAT, HE FELT THE SURFACE WOULD BE SATISFACTORY FOR A FULL STOP LANDING. DURING THE LANDING, HE TOUCHED DOWN IN A 3-POINT ATTITUDE AND HELD THE ELEVATOR CONTROL FULL AFT. HOWEVER, JUST PRIOR TO STOPPING, THE MAIN GEAR DUG INTO SOFT TERRAIN AND THE PLANE FLIPPED OVER.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

### Findings

Occurrence #1: NOSE OVER  
Phase of Operation: LANDING - ROLL

#### Findings

1. (F) TERRAIN CONDITION - SOFT
2. (C) UNSUITABLE TERRAIN OR TAKEOFF/LANDING/TAXI AREA - SELECTED - PILOT IN COMMAND

## Factual Information

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	24, Male
<b>Airplane Rating(s):</b>	Single-engine land; Multi-engine land	<b>Seat Occupied:</b>	Unknown
<b>Other Aircraft Rating(s):</b>		<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 2 Valid Medical--no waivers/lim.	<b>Last FAA Medical Exam:</b>	March 3, 1981
<b>Occupational Pilot:</b>	UNK	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	939 hours (Total, all aircraft), 13 hours (Total, this make and model), 835 hours (Pilot In Command, all aircraft), 19 hours (Last 90 days, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	CESSNA	<b>Registration:</b>	N2596K
<b>Model/Series:</b>	180K 180K	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>		<b>Serial Number:</b>	18053009
<b>Landing Gear Type:</b>	Tailwheel	<b>Seats:</b>	4
<b>Date/Type of Last Inspection:</b>	Unknown	<b>Certified Max Gross Wt.:</b>	2800 lbs
<b>Time Since Last Inspection:</b>	67 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	1283 Hrs	<b>Engine Manufacturer:</b>	CONTINENTAL
<b>ELT:</b>	Installed	<b>Engine Model/Series:</b>	O-470-U
<b>Registered Owner:</b>	HARTLEY WARREN	<b>Rated Power:</b>	230 Horsepower
<b>Operator:</b>	HARTLEY WARREN	<b>Operating Certificate(s) Held:</b>	
<b>Operator Does Business As:</b>		<b>Operator Designator Code:</b>	

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>		<b>Distance from Accident Site:</b>	
<b>Observation Time:</b>		<b>Direction from Accident Site:</b>	
<b>Lowest Cloud Condition:</b>	Clear	<b>Visibility</b>	30 miles
<b>Lowest Ceiling:</b>	Unknown	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	/	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	180°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	30 inches Hg	<b>Temperature/Dew Point:</b>	60°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	SAN DIEGO , CA (SEE )	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	SAN DIEGO , CA (SEE )	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	16:30 Local	<b>Type of Airspace:</b>	

## Airport Information

<b>Airport:</b>	GRASS STRIP	<b>Runway Surface Type:</b>	Grass/turf
<b>Airport Elevation:</b>	0 ft msl	<b>Runway Surface Condition:</b>	Soft;Vegetation
<b>Runway Used:</b>	18	<b>IFR Approach:</b>	
<b>Runway Length/Width:</b>	950 ft / 0 ft	<b>VFR Approach/Landing:</b>	Traffic pattern

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	2 None	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	3 None	<b>Latitude, Longitude:</b>	

## Administrative Information

**Investigator In Charge (IIC):**

**Additional Participating Persons:**

**Original Publish Date:** January 31, 1983

**Last Revision Date:**

**Investigation Class:** [Class](#)

**Note:**

**Investigation Docket:** <https://data.nts.gov/Docket?ProjectID=70560>

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