



Aviation Investigation Final Report

Location:	PALO ALTO, California	Accident Number:	LAX86LA168
Date & Time:	April 5, 1986, 15:16 Local	Registration:	N89374
Aircraft:	CESSNA 140	Aircraft Damage:	Substantial
Defining Event:		Injuries:	2 None
Flight Conducted Under:	Part 91: General aviation - Instructional		

Analysis

THE PURPOSE OF THE DUAL INSTRUCTIONAL FLIGHT WAS FOR THE INSTRUCTOR PILOT TO CHECK OUT A PRIVATE PILOT IN THE CONVENTIONAL GEAR CESSNA 140 AIRCRAFT. AFTER A SERIES OF UNEVENTFUL FULL STOP & TOUCH & GO LANDINGS, THE STUDENT WAS DIRECTED TO LAND. THE CFI & A GROUND BASED WITNESS REPORTED THAT THE ACFT LANDED NORMALLY. THE WITNESS REPORTED THAT DURING THE LAST PORTION OF THE ACFT'S ROLL OUT THE SURFACE WIND PROVIDED THE ACFT WITH A TAILWIND COMPONENT. THE CFI REPORTED THAT HER STUDENT 'CAME UP ON THE BRAKES' & SHE DIRECTED HIM NOT TO BRAKE. THE CFI FURTHER STATED THAT DESPITE HER EFFORT AT SAVING THE ACFT BY APPLYING BACK PRESSURE TO THE YOKE, SHE LOST CONTROL & THE ACFT NOSED OVER.

Probable Cause and Findings

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

Findings

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

Findings

1. (F) WEATHER CONDITION - TAILWIND

2. (C) BRAKES(NORMAL) - EXCESSIVE - DUAL STUDENT
3. (F) LACK OF TOTAL EXPERIENCE IN TYPE OF AIRCRAFT - DUAL STUDENT
4. (F) PROPER ASSISTANCE - NOT RECEIVED - DUAL STUDENT
5. (C) REMEDIAL ACTION - INADEQUATE - PILOT IN COMMAND(CFI)
6. (F) THROTTLE/POWER CONTROL - NOT USED - PILOT IN COMMAND(CFI)

Occurrence #2: NOSE OVER
Phase of Operation: LANDING - ROLL

Factual Information

Pilot Information

Certificate:	Commercial; Flight instructor	Age:	29, Female
Airplane Rating(s):	Single-engine land; Single-engine sea; Multi-engine land	Seat Occupied:	Right
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	Yes
Instructor Rating(s):	Airplane single-engine	Toxicology Performed:	No
Medical Certification:	Class 2 Valid Medical-w/ waivers/lim	Last FAA Medical Exam:	December 23, 1985
Occupational Pilot:	Yes	Last Flight Review or Equivalent:	
Flight Time:	484 hours (Total, all aircraft), 11 hours (Total, this make and model), 359 hours (Pilot In Command, all aircraft), 117 hours (Last 90 days, all aircraft), 42 hours (Last 30 days, all aircraft), 4 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N89374
Model/Series:	140 140	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	8406
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:	October 21, 1985 100 hour	Certified Max Gross Wt.:	1450 lbs
Time Since Last Inspection:	8 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	3616 Hrs	Engine Manufacturer:	CONTINENTAL
ELT:	Installed, not activated	Engine Model/Series:	C-85-12F
Registered Owner:	KENT M. KUSAKA	Rated Power:	90 Horsepower
Operator:	PALO ALTO FLYING CLUB	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:	PAO ,5 ft msl	Distance from Accident Site:	
Observation Time:	15:15 Local	Direction from Accident Site:	
Lowest Cloud Condition:	Unknown	Visibility	25 miles
Lowest Ceiling:	Broken / 2500 ft AGL	Visibility (RVR):	
Wind Speed/Gusts:	4 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	20°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29 inches Hg	Temperature/Dew Point:	15°C / 11°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	PALO ALTO , CA (PAO)	Type of Flight Plan Filed:	None
Destination:	PALO ALTO , CA (PAO)	Type of Clearance:	VFR
Departure Time:	14:30 Local	Type of Airspace:	Class D;Class E

Airport Information

Airport:	PALO ALTO OF SANTA CLARA PAO	Runway Surface Type:	Asphalt
Airport Elevation:	5 ft msl	Runway Surface Condition:	Wet
Runway Used:	30	IFR Approach:	None
Runway Length/Width:	2500 ft / 65 ft	VFR Approach/Landing:	Full stop;Traffic pattern

Wreckage and Impact Information

Crew Injuries:	2 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 None	Latitude, Longitude:	37.450176,-122.100456(est)

Administrative Information

Investigator In Charge (IIC):	Pollack, Wayne
Additional Participating Persons:	JOHN EVANS; SAN JOSE , CA
Original Publish Date:	March 10, 1988
Last Revision Date:	
Investigation Class:	Class
Note:	
Investigation Docket:	https://data.ntsb.gov/Docket?ProjectID=25114

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