



National Transportation Safety Board Aviation Accident Data Summary

Location:	LK IN THE HILLS, IL	Accident Number:	CHI84LA100
Date & Time:	02/01/1984, 2135 CST	Registration:	N3631S
Aircraft:	CESSNA 172E	Injuries:	1 Minor, 3 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

THE PLT MADE A HARD LANDING WHICH DAMAGED THE NOSE GEAR MAKING IT IMPOSSIBLE FOR THE PLT TO AVOID A COLLISION WITH A SNOWBANK DURING A SUBSEQUENT LANDING.

Probable Cause

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

Findings

Occurrence #1: HARD LANDING

Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

1. (F) LIGHT CONDITION - NIGHT
2. (F) AIRPORT FACILITIES, RUNWAY/LANDING AREA CONDITION - WET
3. (F) TERRAIN CONDITION - SNOW COVERED
4. (C) FLARE - MISJUDGED - PILOT IN COMMAND
5. (F) VISUAL/AURAL DETECTION - PILOT IN COMMAND

Occurrence #2: NOSE GEAR COLLAPSED

Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

6. LANDING GEAR, NOSE GEAR - OVERLOAD

Occurrence #3: LOSS OF CONTROL - ON GROUND/WATER

Phase of Operation: LANDING - ROLL

Findings

7. DIRECTIONAL CONTROL - NOT POSSIBLE
8. GROUND LOOP/SWERVE - UNCONTROLLED

Occurrence #4: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER

Phase of Operation: LANDING - ROLL

Findings

9. (F) TERRAIN CONDITION - SNOWBANK

Pilot Information

Certificate:	Private	Age:	45
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	351 hours (Total, all aircraft), 351 hours (Total, this make and model), 283 hours (Pilot In Command, all aircraft), 30 hours (Last 90 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N3631S
Model/Series:	172E 172E	Engines:	1 Reciprocating
Operator:	RONNIE D. OWEN	Engine Manufacturer:	CONTINENTAL
Operating Certificate(s) Held:	None	Engine Model/Series:	O-300-D
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Night/Bright
Observation Facility, Elevation:	, 0 ft msl	Weather Information Source:	Pilot
Lowest Ceiling:	None / 0 ft agl	Wind Speed/Gusts, Direction:	/ ,
Temperature:	2°C	Visibility	10 Miles
Precipitation and Obscuration:			
Departure Point:	MILWAUKEE, WI (WMC)	Destination:	

Airport Information

Airport:	LAKE IN THE HILLS (3CK)	Runway Surface Type:	Asphalt
Runway Used:	26	Runway Surface Condition:	Wet
Runway Length/Width:	3000 ft / 50 ft		

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC): FRED A RATHKE

Adopted Date:

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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