National Transportation Safety Board
Aviation Accident Final Report

Location:	YPSILANTI, MI	**Accident Number:**	CHI82FEC08
Date & Time:	01/02/1982, 1322 EST	**Registration:**	N68812
Aircraft:	CESSNA 152	**Aircraft Damage:**	Substantial
Defining Event:		**Injuries:**	1 None
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Analysis

DURING TAKEOFF FROM A HARD PACKED SNOW AND ICY RUNWAY THE AIRCRAFT VEERED LEFT INTO A SNOWBANK OFF THE SIDE OF THE RUNWAY. THE STUDENT PILOT STATED THAT PRIOR TO THE TAKEOFF ROLL HE HAD FULL DEFLECTION OF THE LEFT AILERON AND WAS ANTICIPATING WITH RIGHT RUDDER TO MAINTAIN A STRAIGHT TAKEOFF ROLL. AFTER REALIZING THAT THE AIRCRAFT WAS ABOUT TO STRIKE THE SNOWBANK THE STUDENT RETARDED THE POWER.

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: TAKEOFF - ROLL/RUN

Findings
1. (F) WEATHER CONDITION - UNFAVORABLE WIND
2. (C) BRAKES(NORMAL) - IMPROPER USE OF - PILOT IN COMMAND
3. (F) TERRAIN CONDITION - ICY
4. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND

Occurrence #2: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER
Phase of Operation: TAKEOFF

Findings
5. (C) GROUND LOOP/SWERVE - UNCONTROLLED - PILOT IN COMMAND
6. (F) TERRAIN CONDITION - SNOWBANK
7. (C) ABORTED TAKEOFF - PERFORMED - PILOT IN COMMAND
8. (F) LANDING GEAR,NOSE GEAR - OVERLOAD

Factual Information

Pilot Information

Certificate:	Student	**Age:**	56, Male
Airplane Rating(s):		**Seat Occupied:**	Unknown
Other Aircraft Rating(s):		**Restraint Used:**	
Instrument Rating(s):	None	**Second Pilot Present:**	No
Instructor Rating(s):	None	**Toxicology Performed:**	
Medical Certification:	Class 3 Valid Medical--w/ waivers/lim.	**Last FAA Medical Exam:**	09/22/1981
Occupational Pilot:		**Last Flight Review or Equivalent:**	
Flight Time:	74 hours (Total, all aircraft), 74 hours (Total, this make and model), 16 hours (Pilot In Command, all aircraft), 18 hours (Last 90 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	**Registration:**	N68812
Model/Series:	152 152	**Aircraft Category:**	Airplane
Year of Manufacture:		**Amateur Built:**	No
Airworthiness Certificate:		**Serial Number:**	15285339
Landing Gear Type:	Tricycle	**Seats:**	2
Date/Type of Last Inspection:	Unknown	**Certified Max Gross Wt.:**	1900 lbs
Time Since Last Inspection:	70 Hours	**Engines:**	1 Reciprocating
Airframe Total Time:	70 Hours	**Engine Manufacturer:**	LYCOMING
ELT:	Installed	**Engine Model/Series:**	O-235-L2C
Registered Owner:	SKY TRAK, INC.	**Rated Power:**	110 hp
Operator:	SKY TRAK, INC.	**Operating Certificate(s) Held:**	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	**Condition of Light:**	Day
Observation Facility, Elevation:	, 0 ft msl	**Distance from Accident Site:**	0 Nautical Miles
Observation Time:	0000	**Direction from Accident Site:**	0°
Lowest Cloud Condition:	Scattered / 1500 ft agl	**Visibility**	10 Miles
Lowest Ceiling:	Broken / 10000 ft agl	**Visibility (RVR):**	0 ft
Wind Speed/Gusts:	15 knots /	**Turbulence Type Forecast/Actual:**	/
Wind Direction:	120°	**Turbulence Severity Forecast/Actual:**	/
Altimeter Setting:		**Temperature/Dew Point:**	/ 0°C
Precipitation and Obscuration:			
Departure Point:	YPSILANTI, MI (YIP)	**Type of Flight Plan Filed:**	None
Destination:	YPSILANTI, MI (YIP)	**Type of Clearance:**	None
Departure Time:	1320	**Type of Airspace:**	

Airport Information

Airport:	WILLOW RUN (YIP)	**Runway Surface Type:**	Concrete
Airport Elevation:	0 ft	**Runway Surface Condition:**	Ice
Runway Used:	14	**IFR Approach:**	None
Runway Length/Width:	6910 ft	**VFR Approach/Landing:**	None

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):		**Report Date:**	01/02/1983
Additional Participating Persons:			
Publish 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.ntsb.gov/pubdms/.		

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.