



National Transportation Safety Board Aviation Accident Data Summary

Location:	Charlevoix, MI	Accident Number:	CHI01LA078
Date & Time:	02/02/2001, 1630 EST	Registration:	N4123K
Aircraft:	Piper PA-34-220T	Injuries:	2 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

The airplane impacted a snow bank following a loss of control during landing roll. The landing was being made on runway 27. The pilot reported that during the landing roll, the airplane veered to the right of the runway due to too much right aileron input. He reported he neutralized the aileron and steered with the rudder. A gust of wind along with the crosswind then lifted the right wing and the airplane veered to the left where it contacted ice on the runway and slid into a snow bank. Inspection revealed the center of the runway was clear, however, there were patches of ice along the left side of the runway. The snow along the sides of the runway was high enough so that only the tops of the runway lights were visible. The pilot reported winds from 330 at 12 knots, gusting to 17 knots. A weather observation at the airport taken 6 minutes after the accident reported winds from 320 degrees at 9 knots.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot failed to maintain directional control of the airplane due to inadequate compensation for the wind conditions. Factors associated with the accident were the gusty crosswind, the icy runway, and the snow bank.

Findings

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

Findings

1. (F) WEATHER CONDITION - CROSSWIND
2. (F) WEATHER CONDITION - GUSTS
3. (C) COMPENSATION FOR WIND CONDITIONS - INADEQUATE - PILOT IN COMMAND
4. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND
5. (F) TERRAIN CONDITION - ICY

Occurrence #2: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER
Phase of Operation: LANDING - ROLL

Findings

6. (F) TERRAIN CONDITION - SNOWBANK

Pilot Information

Certificate:	Private	Age:	51
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	1337 hours (Total, all aircraft), 235 hours (Total, this make and model), 1239 hours (Pilot In Command, all aircraft), 46 hours (Last 90 days, all aircraft), 21 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Piper	Registration:	N4123K
Model/Series:	PA-34-220T	Engines:	2 Reciprocating
Operator:	On file	Engine Manufacturer:	Continental
Operating Certificate(s) Held:	None	Engine Model/Series:	TSIO-360-RB1B
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:	CVX, 680 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	Overcast / 2900 ft agl	Wind Speed/Gusts, Direction:	9 knots / , 320°
Temperature:	-8° C	Visibility	10 Miles
Precipitation and Obscuration:			
Departure Point:	Pontiac, MI (PTK)	Destination:	Charlevoix, MI (CVX)

Airport Information

Airport:	Charlevoix Municipal Airport (CVX)	Runway Surface Type:	Asphalt
Runway Used:	27	Runway Surface Condition:	Ice
Runway Length/Width:	4550 ft / 75 ft		

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC): Pamela S Sullivan

Adopted Date: 11/01/2001

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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