



# National Transportation Safety Board Aviation Accident Final Report

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<b>Location:</b>	FREEDOM, WI	<b>Accident Number:</b>	CHI89LA066
<b>Date &amp; Time:</b>	04/02/1989, 1630 CDT	<b>Registration:</b>	N3016A
<b>Aircraft:</b>	CESSNA 170B	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	1 None

**Flight Conducted Under:** Part 91: General Aviation - Personal

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## Analysis

THE PILOT EXPERIENCED A LOSS OF DIRECTIONAL CONTROL DURING AN ATTEMPTED TAKEOFF ON A ROADWAY WHICH RAN PARALLEL TO THE PILOT'S SOD STRIP. THE AIRCRAFT SWERVED TO THE LEFT AND DEPARTED THE ROADWAY, WHERE IT ENCOUNTERED SOFT, MARSHY SOD AND A SHALLOW DITCH. THE AIRCRAFT NOSED OVER AND CAME TO A REST. THE PILOT STATED THAT HE WAS ATTEMPTING THE TAKEOFF FROM THE ROADWAY INSTEAD OF THE SOD STRIP BECAUSE OF THE SOFT, WET CONDITION OF THE STRIP.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE PILOT'S FAILURE TO MAINTAIN DIRECTIONAL CONTROL DURING THE ATTEMPTED TAKEOFF ON UNSUITABLE TERRAIN. THE PILOT'S LACK OF RECENT FLIGHT EXPERIENCE WAS A CONTRIBUTING FACTOR.

## Findings

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Occurrence #1: LOSS OF CONTROL - ON GROUND/WATER

Phase of Operation: TAKEOFF - ROLL/RUN

### Findings

1. TERRAIN CONDITION - ROADWAY/HIGHWAY
2. (C) UNSUITABLE TERRAIN OR TAKEOFF/LANDING/TAXI AREA - SELECTED - PILOT IN COMMAND
3. (F) LACK OF RECENT EXPERIENCE - PILOT IN COMMAND
4. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND

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Occurrence #2: NOSE OVER

Phase of Operation: TAKEOFF - ROLL/RUN

### Findings

5. TERRAIN CONDITION - DITCH
6. TERRAIN CONDITION - WET
7. TERRAIN CONDITION - SOFT

## Factual Information

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	42, Male
<b>Airplane Rating(s):</b>	Single-engine Land	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	Seatbelt
<b>Instrument Rating(s):</b>	None	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 3 Valid Medical--no waivers/lim.	<b>Last FAA Medical Exam:</b>	12/17/1987
<b>Occupational Pilot:</b>		<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	709 hours (Total, all aircraft), 91 hours (Total, this make and model), 577 hours (Pilot In Command, all aircraft), 1 hours (Last 90 days, all aircraft), 1 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	CESSNA	<b>Registration:</b>	N3016A
<b>Model/Series:</b>	170B 170B	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	No
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	25660
<b>Landing Gear Type:</b>	Tailwheel	<b>Seats:</b>	4
<b>Date/Type of Last Inspection:</b>	09/20/1988, Annual	<b>Certified Max Gross Wt.:</b>	2200 lbs
<b>Time Since Last Inspection:</b>	66 Hours	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	2545 Hours	<b>Engine Manufacturer:</b>	CONTINENTAL
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	C-145
<b>Registered Owner:</b>	BAETEN, GERALD J.	<b>Rated Power:</b>	145 hp
<b>Operator:</b>	BAETEN, GERALD J.	<b>Operating Certificate(s) Held:</b>	None

## Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	ATW, 918 ft msl	Distance from Accident Site:	12 Nautical Miles
Observation Time:	1545 CDT	Direction from Accident Site:	240°
Lowest Cloud Condition:	Unknown / 0 ft agl	Visibility	30 Miles
Lowest Ceiling:	Broken / 10000 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	10 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	180°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29 inches Hg	Temperature/Dew Point:	13° C / 1° C
Precipitation and Obscuration:			
Departure Point:	FREEDOM, WI	Type of Flight Plan Filed:	None
Destination:	FREEDOM, WI	Type of Clearance:	None
Departure Time:	1615 CDT	Type of Airspace:	Class G

## Airport Information

Airport:		Runway Surface Type:	Grass/turf
Airport Elevation:		Runway Surface Condition:	Wet
Runway Used:	0	IFR Approach:	None
Runway Length/Width:		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):	JODI L REEVES	Report Date:	09/28/1990
Additional Participating Persons:	D JOSEFOVSKY; MILWAUKEE, WI		
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 <a href="mailto:pubinq@ntsb.gov">pubinq@ntsb.gov</a> , or at 800-877-6799. Dockets released after this date are available at <a href="http://dms.nts.gov/pubdms/">http://dms.nts.gov/pubdms/</a> .		

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