 National Transportation Safety Board FACTUAL REPORT AVIATION	NTSB ID: CHI00LA204	Aircraft Registration Number: N83701
	Occurrence Date: 07/16/2000	Most Critical Injury: Minor
	Occurrence Type: Accident	Investigated By: NTSB

Location/Time

Nearest City/Place HOLSTEIN	State NE	Zip Code 68950	Local Time 0900	Time Zone CDT	
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Airport Proximity: Off Airport/Airstrip	Distance From Landing Facility:
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Aircraft Information Summary

Aircraft Manufacturer Bell	Model/Series 47G-3B-1 /47G-3B-1	Type of Aircraft Helicopter
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Revenue Sightseeing Flight: No

Air Medical Transport Flight: No

Narrative


Brief narrative statement of facts, conditions and circumstances pertinent to the accident/incident:


On July 16, 2000, at 0900 central daylight time, a Bell 47G-3B-1, N83701, piloted by a commercial pilot, sustained substantial damage on impact with terrain while maneuvering near Holstein, Nebraska. The 14 CFR Part 137 aerial application flight was not on a flight plan. Visual meteorological conditions prevailed. The pilot, who was the sole occupant, reported minor injuries. The local flight originated from Campbell, Nebraska, just prior to the accident time.

In a written statement, the pilot said, "As I made my second pass I noticed that I had a wind from the north [at] approx[imately] 3-5 mph." He said, "On the third pass at the top of my turn the wind came up strongly from the E-NE and what airspeed I had at the top of the turn dissipated and became a tailwind of approx[imately] 15-20 knots. I was diving back into the field now with a tailwind, out of translational lift and ended up with what I consider to be settling with power. At my current altitude of approx[imately] 50-60 feet I did not have sufficient room to reenter translational lift and contacted the ground."

During a postaccident examination of the aircraft by a Federal Aviation Administration Inspector, no anomalies were found that could be associated with a preexisting condition.

A weather reporting station located about 17 miles and 037 degrees magnetic from the accident site reported at 0753 cdt, wind variable at 03 knots. The same reporting station reported at 0853 cdt, wind variable at 03 knots gusting to 19 knots. At 0900 cdt, the reporting station reported thunderstorms in the vicinity.

 National Transportation Safety Board FACTUAL REPORT AVIATION		NTSB ID: CHI00LA204			
		Occurrence Date: 07/16/2000			
		Occurrence Type: Accident			
Landing Facility/Approach Information					
Airport Name	Airport ID:	Airport Elevation Ft. MSL	Runway Used 0	Runway Length	Runway Width
Runway Surface Type:					
Runway Surface Condition:					
Approach/Arrival Flown: NONE					
VFR Approach/Landing: None					
Aircraft Information					
Aircraft Manufacturer Bell		Model/Series 47G-3B-1 /47G-3B-1		Serial Number 3835	
Airworthiness Certificate(s): Normal					
Landing Gear Type: Skid					
Amateur Built Acft? No	Number of Seats:	Certified Max Gross Wt.	0 LBS	Number of Engines: 1	
Engine Type: Reciprocating	Engine Manufacturer: Lycoming	Model/Series: O-435-B1A	Rated Power: 240 HP		
- Aircraft Inspection Information					
Type of Last Inspection Annual	Date of Last Inspection 05/2000	Time Since Last Inspection 10 Hours	Airframe Total Time Hours		
- Emergency Locator Transmitter (ELT) Information					
ELT Installed?/Type No	ELT Operated?	ELT Aided in Locating Accident Site?			
Owner/Operator Information					
Registered Aircraft Owner SKY TRACTOR, INC.		Street Address 1357 CAMP ROAD			
		City SOLOMON	State KS	Zip Code 67480	
Operator of Aircraft SKY TRACTOR, INC.		Street Address 1357 CAMP ROAD			
		City SOLOMON	State KS	Zip Code 67480	
Operator Does Business As:			Operator Designator Code:		
- Type of U.S. Certificate(s) Held:					
Air Carrier Operating Certificate(s):					
Operating Certificate:			Operator Certificate: Agricultural Operator		
Regulation Flight Conducted Under: Part 137: Agricultural					
Type of Flight Operation Conducted: Aerial Application;Unknown; Unknown; Unknown					

 <p>National Transportation Safety Board FACTUAL REPORT AVIATION</p>	NTSB ID: CHI00LA204
	Occurrence Date: 07/16/2000
	Occurrence Type: Accident

First Pilot Information

Name On File	City On File	State On File	Date of Birth On File	Age 43
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Sex: M	Seat Occupied: Left	Occupational Pilot? Civilian Pilot	Certificate Number: On File
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Certificate(s): Commercial

Airplane Rating(s): Single-engine Land; Single-engine Sea

Rotorcraft/Glider/LTA: Helicopter

Instrument Rating(s): Airplane

Instructor Rating(s): None

Current Biennial Flight Review?

Medical Cert.: Class 2	Medical Cert. Status: Valid Medical--w/ waivers/lim.	Date of Last Medical Exam: 08/1999
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- Flight Time Matrix	All A/C	This Make and Model	Airplane Single Engine	Airplane Multi-Engine	Night	Instrument		Rotorcraft	Glider	Lighter Than Air
						Actual	Simulated			
Total Time	9700	1300	8500					1300		
Pilot In Command(PIC)										
Instructor										
Instruction Received										
Last 90 Days	30	30						30		
Last 30 Days	30	30						30		
Last 24 Hours	8	8						8		

Seatbelt Used? Yes	Shoulder Harness Used? Yes	Toxicology Performed? No	Second Pilot? No
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Flight Plan/Itinerary

Type of Flight Plan Filed: None

Departure Point CAMPBELL	State NE	Airport Identifier	Departure Time 0855	Time Zone CDT
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Destination Local Flight	State	Airport Identifier	
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Type of Clearance: None

Type of Airspace: Class G

Weather Information

Source of Wx Information:

No record of briefing

 <p>National Transportation Safety Board FACTUAL REPORT AVIATION</p>	NTSB ID: CHI00LA204
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Weather Information

WOF ID	Observation Time	Time Zone	WOF Elevation	WOF Distance From Accident Site	Direction From Accident Site
HSI	1000	CDT	1961 Ft. MSL	17 NM	37 Deg. Mag.
Sky/Lowest Cloud Condition: Scattered			11000 Ft. AGL	Condition of Light: Day	
Lowest Ceiling: None			0 Ft. AGL	Visibility: 10 SM	Altimeter: 29.00 "Hg
Temperature: 77 °C	Dew Point: 70 °C	Weather Conditions at Accident Site: Visual Conditions			
Wind Direction: 360	Wind Speed: 7	Wind Gusts:			
Visibility (RVR): 0 Ft.	Visibility (RVV) 0 SM				
Precip and/or Obscuration:					

Accident Information

Aircraft Damage: Substantial	Aircraft Fire: None	Aircraft Explosion: None
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- Injury Summary Matrix	Fatal	Serious	Minor	None	TOTAL
First Pilot			1		1
Second Pilot					
Student Pilot					
Flight Instructor					
Check Pilot					
Flight Engineer					
Cabin Attendants					
Other Crew					
Passengers					
- TOTAL ABOARD -			1		1
Other Ground	0	0	0		0
- GRAND TOTAL -	0	0	1		1

National Transportation Safety Board

FACTUAL REPORT
AVIATION



NTSB ID: CHI00LA204

Occurrence Date: 07/16/2000

Occurrence Type: Accident

Administrative Information

Investigator-In-Charge (IIC)

JOHN M. BRANNEN

Additional Persons Participating in This Accident/Incident Investigation:

DALLAS BAKER
LINCOLN, NE