



# Aviation Investigation Final Report

<b>Location:</b>	SABINA, Ohio	<b>Accident Number:</b>	BF092LA065
<b>Date &amp; Time:</b>	May 17, 1992, 13:15 Local	<b>Registration:</b>	N8524H
<b>Aircraft:</b>	NORTH AMERICAN NAVION	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	2 Minor
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

THE PILOT REPORTED THAT DURING THE FLARE/TOUCHDOWN THE WIND SHIFTED TO A QUARTERING TAILWIND. THE PILOT STATED THAT SHE APPLIED FULL LEFT RUDDER, AILERON, AND POWER, BUT ALL WERE UNSUCCESSFUL. THE AIRPLANE COLLIDED WITH TREES AND A STORAGE TANK WHERE IT CAME TO REST.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE PILOT'S INADEQUATE COMPENSATION FOR WIND WHICH RESULTED IN A LOSS OF DIRECTIONAL CONTROL. CONTRIBUTING TO THE ACCIDENT WAS WIND GUSTS.

## Findings

Occurrence #1: LOSS OF CONTROL - IN FLIGHT  
Phase of Operation: LANDING - FLARE/TOUCHDOWN

### Findings

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

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Occurrence #2: IN FLIGHT COLLISION WITH OBJECT  
Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

5. OBJECT - TREE(S)

## Factual Information

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	53,Female
<b>Airplane Rating(s):</b>	Single-engine land	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	
<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-w/ waivers/lim	<b>Last FAA Medical Exam:</b>	October 25, 1991
<b>Occupational Pilot:</b>	UNK	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	120 hours (Total, all aircraft), 28 hours (Total, this make and model), 59 hours (Pilot In Command, all aircraft), 22 hours (Last 90 days, all aircraft), 10 hours (Last 30 days, all aircraft), 3 hours (Last 24 hours, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	NORTH AMERICAN	<b>Registration:</b>	N8524H
<b>Model/Series:</b>	NAVION NAVION	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	NAV-4-552
<b>Landing Gear Type:</b>	Retractable - Tricycle	<b>Seats:</b>	4
<b>Date/Type of Last Inspection:</b>	October 23, 1991 Annual	<b>Certified Max Gross Wt.:</b>	3233 lbs
<b>Time Since Last Inspection:</b>	27 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	1473 Hrs	<b>Engine Manufacturer:</b>	CONTINENTAL
<b>ELT:</b>	Installed, activated, did not aid in locating accident	<b>Engine Model/Series:</b>	E-185-9
<b>Registered Owner:</b>	ROBERT & CAROL K HANSHELL	<b>Rated Power:</b>	205 Horsepower
<b>Operator:</b>	CAROL K HANSHELL	<b>Operating Certificate(s) Held:</b>	None
<b>Operator Does Business As:</b>		<b>Operator Designator Code:</b>	

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	CMH ,815 ft msl	<b>Distance from Accident Site:</b>	40 Nautical Miles
<b>Observation Time:</b>	13:22 Local	<b>Direction from Accident Site:</b>	55°
<b>Lowest Cloud Condition:</b>	Scattered / 4500 ft AGL	<b>Visibility</b>	7 miles
<b>Lowest Ceiling:</b>	Overcast / 25000 ft AGL	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	8 knots / 30 knots	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	260°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	30 inches Hg	<b>Temperature/Dew Point:</b>	28°C / 19°C
<b>Precipitation and Obscuration:</b>	N/A - None - Haze		
<b>Departure Point:</b>	MORaine , OH (I73 )	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>		<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	12:00 Local	<b>Type of Airspace:</b>	Class G

## Airport Information

<b>Airport:</b>	HANSHELL'S FLYING APPLE 840H	<b>Runway Surface Type:</b>	Grass/turf
<b>Airport Elevation:</b>	1050 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	28	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	2000 ft / 100 ft	<b>VFR Approach/Landing:</b>	None

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 Minor	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	1 Minor	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	2 Minor	<b>Latitude, Longitude:</b>	39.489089,-83.630363(est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Johnson, Beverley
<b>Additional Participating Persons:</b>	STANLEY P FASKE; CINCINNATI , OH
<b>Original Publish Date:</b>	June 21, 1993
<b>Last Revision Date:</b>	
<b>Investigation Class:</b>	<a href="#">Class</a>
<b>Note:</b>	
<b>Investigation Docket:</b>	<a href="https://data.ntsb.gov/Docket?ProjectID=11789">https://data.ntsb.gov/Docket?ProjectID=11789</a>

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