



# Aviation Investigation Final Report

<b>Location:</b>	Stonewall, Texas	<b>Accident Number:</b>	CEN11CA440
<b>Date &amp; Time:</b>	July 1, 2011, 11:48 Local	<b>Registration:</b>	N533BG
<b>Aircraft:</b>	SCHEMPP-HIRTH FLUGZEUGBAU DUO DISCUS	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Windshear or thunderstorm	<b>Injuries:</b>	1 Serious
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

According to a Federal Aviation Administration inspector, the pilot experienced a loss of lift while soaring and performed an

off-field landing to a pasture. During the landing, a gust of wind blew the glider down an embankment and into a barbed wire fence. During the impact with the fence, the left wing sustained leading edge damage, and the empennage separated partially from the fuselage. A postaccident examination of the glider and its systems revealed no preimpact malfunctions or failures.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The loss of directional control during an off-field landing in gusting wind.

## Findings

<b>Personnel issues</b>	Aircraft control - Pilot
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## Factual Information

### History of Flight

<b>Landing-flare/touchdown</b>	Windshear or thunderstorm (Defining event)
<b>Landing-flare/touchdown</b>	Loss of control on ground
<b>Landing-flare/touchdown</b>	Collision during takeoff/land

### Pilot Information

<b>Certificate:</b>	Commercial; Private	<b>Age:</b>	65, Male
<b>Airplane Rating(s):</b>	Single-engine land	<b>Seat Occupied:</b>	
<b>Other Aircraft Rating(s):</b>	Glider	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	None	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	Glider	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 3 With waivers/limitations	<b>Last FAA Medical Exam:</b>	April 1, 2010
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	(Estimated) 1013 hours (Total, all aircraft), 100 hours (Total, this make and model)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	SCHEMPP-HIRTH FLUGZEUGBAU	<b>Registration:</b>	N533BG
<b>Model/Series:</b>	DUO DISCUS	<b>Aircraft Category:</b>	Glider
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	533
<b>Landing Gear Type:</b>	Retractable - Tandem	<b>Seats:</b>	1
<b>Date/Type of Last Inspection:</b>	January 25, 2011 Annual	<b>Certified Max Gross Wt.:</b>	
<b>Time Since Last Inspection:</b>		<b>Engines:</b>	0
<b>Airframe Total Time:</b>	232.6 Hrs as of last inspection	<b>Engine Manufacturer:</b>	
<b>ELT:</b>		<b>Engine Model/Series:</b>	
<b>Registered Owner:</b>	On file	<b>Rated Power:</b>	
<b>Operator:</b>	On file	<b>Operating Certificate(s) Held:</b>	None

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	KT82,1695 ft msl	<b>Distance from Accident Site:</b>	16 Nautical Miles
<b>Observation Time:</b>	11:35 Local	<b>Direction from Accident Site:</b>	110°
<b>Lowest Cloud Condition:</b>		<b>Visibility</b>	7 miles
<b>Lowest Ceiling:</b>	Broken / 38000 ft AGL	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	9 knots / 14 knots	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	180°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	30.06 inches Hg	<b>Temperature/Dew Point:</b>	28°C / 17°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	San Antonio, TX (5C1 )	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	San Antonio, TX (5C1 )	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>		<b>Type of Airspace:</b>	

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 Serious	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>		<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	1 Serious	<b>Latitude, Longitude:</b>	30.179445,-98.590835(est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Rodi, Jennifer
<b>Additional Participating Persons:</b>	Fred Raymond; FAA FSDO; San Antonio, TX
<b>Original Publish Date:</b>	October 4, 2011
<b>Last Revision Date:</b>	
<b>Investigation Class:</b>	<a href="#">Class</a>
<b>Note:</b>	This accident report documents the factual circumstances of this accident as described to the NTSB.
<b>Investigation Docket:</b>	<a href="https://data.nts.gov/Docket?ProjectID=80964">https://data.nts.gov/Docket?ProjectID=80964</a>

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