



Aviation Investigation Final Report

Location:	BUCHANAN, Virginia	Accident Number:	NYC93LA084
Date & Time:	April 17, 1993, 15:45 Local	Registration:	N33929
Aircraft:	SCHWEIZER	SGS 2-33A	Aircraft Damage: Substantial
Defining Event:		Injuries:	1 Serious, 1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

THE PILOT WAS DEMONSTRATING A GLIDER TAKEOFF TO THE PASSENGER. THERE WAS CONFUSION ABOUT WHO WAS ACTUALLY ON THE CONTROLS FOR TAKEOFF, THE PILOT OR THE PASSENGER. THE WIND WAS A QUARTERING LEFT TAILWIND AT 13 KNOTS WITH GUSTS TO 17 KNOTS. DURING THE GROUND RUN, THE RIGHT WING DRAGGED ON THE GROUND AND DIRECTIONAL CONTROL WAS LOST. THE PILOT IN COMMAND TRIED TO REGAIN CONTROL, BUT THE WING STRUCK A PARKED VEHICLE AND A BUILDING.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE PILOT'S IMPROPER PLANNING/DECISION, INADEQUATE CREW COORDINATION, AND FAILURE TO MAINTAIN DIRECTIONAL CONTROL. THE UNFAVORABLE WIND AND PROXIMITY OF OBSTRUCTIONS WERE RELATED FACTORS.

Findings

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

Findings

1. (C) PLANNING/DECISION - IMPROPER - PILOT IN COMMAND
2. (C) CREW/GROUP COORDINATION - INADEQUATE - PILOT IN COMMAND
3. (F) WEATHER CONDITION - UNFAVORABLE WIND
4. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND

Occurrence #2: ON GROUND/WATER COLLISION WITH OBJECT
Phase of Operation: TAKEOFF - ROLL/RUN

Findings

- 5. (F) OBJECT - VEHICLE
- 6. (F) OBJECT - BUILDING(NONRESIDENTIAL)

Factual Information

Pilot Information

Certificate:	Commercial	Age:	66, Male
Airplane Rating(s):	Single-engine land; Multi-engine land	Seat Occupied:	Rear
Other Aircraft Rating(s):	Glider	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	Yes
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 2 Valid Medical--w/ waivers/lim	Last FAA Medical Exam:	May 9, 1991
Occupational Pilot:	UNK	Last Flight Review or Equivalent:	
Flight Time:	3717 hours (Total, all aircraft), 50 hours (Total, this make and model), 3500 hours (Pilot In Command, all aircraft), 12 hours (Last 90 days, all aircraft), 7 hours (Last 30 days, all aircraft), 2.5 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	SCHWEIZER	Registration:	N33929
Model/Series:	SGS 2-33A SGS 2-33A	Aircraft Category:	Glider
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	
Landing Gear Type:		Seats:	2
Date/Type of Last Inspection:	November 1, 1992 Annual	Certified Max Gross Wt.:	1040 lbs
Time Since Last Inspection:	15 Hrs	Engines:	0 Unknown
Airframe Total Time:	1200 Hrs	Engine Manufacturer:	
ELT:	Not installed	Engine Model/Series:	
Registered Owner:	RIDGE VALLEY SOARING CLUB	Rated Power:	
Operator:	RIDGE VALLEY SOARING CLUB	Operating Certificate(s) Held:	None
Operator Does Business As:		Operator Designator Code:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:		Distance from Accident Site:	
Observation Time:		Direction from Accident Site:	
Lowest Cloud Condition:	Unknown / 4200 ft AGL	Visibility	7 miles
Lowest Ceiling:	Broken / 4200 ft AGL	Visibility (RVR):	
Wind Speed/Gusts:	13 knots / 17 knots	Turbulence Type Forecast/Actual:	/
Wind Direction:	300°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	16°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	(08VA)	Type of Flight Plan Filed:	None
Destination:	(08VA)	Type of Clearance:	None
Departure Time:	15:45 Local	Type of Airspace:	Class D

Airport Information

Airport:	SPRINGWOOD AIRPORT 08VA	Runway Surface Type:	Grass/turf
Airport Elevation:	1000 ft msl	Runway Surface Condition:	Dry
Runway Used:	9	IFR Approach:	
Runway Length/Width:	1500 ft / 50 ft	VFR Approach/Landing:	

Wreckage and Impact Information

Crew Injuries:	1 Serious, 1 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 Serious, 1 None	Latitude, Longitude:	37.519062,-79.679153(est)

Administrative Information

Investigator In Charge (IIC):	Leonard, Charles
Additional Participating Persons:	RAY SCOTT; RICHMOND , VA
Original Publish Date:	November 19, 1993
Last Revision Date:	
Investigation Class:	Class
Note:	
Investigation Docket:	https://data.ntsb.gov/Docket?ProjectID=37309

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