



Aviation Investigation Final Report

Location:	FARMINGTON, Utah	Accident Number:	SEA92LA173
Date & Time:	August 4, 1992, 07:00 Local	Registration:	N7091C
Aircraft:	PIPER PA-32R-300	Aircraft Damage:	Destroyed
Defining Event:		Injuries:	5 Minor
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

THE PILOT OF THE PA-32R-300 ELECTED TO TURN INTO A BOX CANYON DURING HIS EN ROUTE CLIMB TO CRUISE. AT THE TIME HE TURNED INTO THE CANYON, THE PILOT FELT THAT THE RATE OF CLIMB WOULD ASSURE CLEARANCE OF THE RIDGE AT THE END OF THE CANYON. AFTER ENTERING THE CANYON THE AIRCRAFT ENCOUNTERED AN AREA OF DOWNDRAFTS. THE DESCENDING AIR REDUCED THE RATE OF CLIMB TO AN EXTENT THAT WOULD NOT ALLOW THE AIRCRAFT TO OUTCLIMB THE RISING TERRAIN. BY THIS TIME THE PILOT FELT THAT, BECAUSE OF THE NARROWNESS OF THE CANYON, HE COULD NOT SUCCESSFULLY REVERSE COURSE. HE THEREFORE ELECTED TO CONTINUE UP THE CANYON, WHERE HE EVENTUALLY FLEW THE AIRCRAFT THROUGH A CONTROLLED IMPACT WITH THE TERRAIN.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE PILOT'S POOR INFLIGHT DECISION. FACTORS INCLUDE DOWNDRAFTS AND A BOX CANYON.

Findings

Occurrence #1: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: CLIMB - TO CRUISE

Findings

1. (C) IN-FLIGHT PLANNING/DECISION - POOR - PILOT IN COMMAND
2. (F) TERRAIN CONDITION - BLIND/BOX CANYON
3. (F) WEATHER CONDITION - DOWNDRAFT

Factual Information

Pilot Information

Certificate:	Private	Age:	36, Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	May 28, 1991
Occupational Pilot:	UNK	Last Flight Review or Equivalent:	
Flight Time:	499 hours (Total, all aircraft), 32 hours (Total, this make and model), 360 hours (Pilot In Command, all aircraft), 33 hours (Last 90 days, all aircraft), 24 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	PIPER	Registration:	N7091C
Model/Series:	PA-32R-300 PA-32R-300	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	32R-7680033
Landing Gear Type:	Retractable - Tricycle	Seats:	6
Date/Type of Last Inspection:	January 2, 2000 Unknown	Certified Max Gross Wt.:	3600 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	LYCOMING
ELT:	Installed, activated, did not aid in locating accident	Engine Model/Series:	IO-540-K1A5D
Registered Owner:	UNIVERSITY RESEARCH FOUND.	Rated Power:	300 Horsepower
Operator:	UNIVERSITY RESEARCH FOUND.	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:	Clear	Visibility	30 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	4 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	180°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	22°C / 10°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	BOUNTIFUL , UT (BTF)	Type of Flight Plan Filed:	IFR
Destination:	SIDNEY , NE (SNY)	Type of Clearance:	None
Departure Time:	06:45 Local	Type of Airspace:	Class G

Airport Information

Airport:		Runway Surface Type:	
Airport Elevation:		Runway Surface Condition:	
Runway Used:	0	IFR Approach:	None
Runway Length/Width:		VFR Approach/Landing:	None

Wreckage and Impact Information

Crew Injuries:	1 Minor	Aircraft Damage:	Destroyed
Passenger Injuries:	4 Minor	Aircraft Fire:	On-ground
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	5 Minor	Latitude, Longitude:	40.979846,-111.899108(est)

Administrative Information

Investigator In Charge (IIC):	Anderson, Orrin
Additional Participating Persons:	JIM RALPH; SALT LAKE CITY , UT
Original Publish Date:	August 31, 1993
Last Revision Date:	
Investigation Class:	Class
Note:	
Investigation Docket:	https://data.ntsb.gov/Docket?ProjectID=42870

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