



National Transportation Safety Board Aviation Accident Data Summary

Location:	REXBURG, ID	Accident Number:	SEA86LA159
Date & Time:	07/01/1986, 0840 MDT	Registration:	N9621P
Aircraft:	PIPER PA-25-260	Injuries:	1 Minor
Flight Conducted Under:	Part 91: General Aviation - Aerial Application		

Analysis

DURING AN AERIAL APPLICATION TURN THE AIRCRAFT ENCOUNTERED A SEVERE DOWNDRAFT. ALTHOUGH THE PILOT LOWERED THE NOSE OF THE AIRCRAFT, LEVELED THE WINGS, ADDED FULL POWER AND DUMPED HIS CHEMICAL LOAD, HE WAS UNABLE TO CLIMB. THE AIRCRAFT THEN STRUCK THE GROUND IN A HARD FLAT ATTITUDE WHERE IT WAS TOTALLY CONSUMED BY POST IMPACT FIRE.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

Findings

Occurrence #1: IN FLIGHT ENCOUNTER WITH WEATHER
Phase of Operation: MANEUVERING - TURN TO REVERSE DIRECTION

Findings

1. (C) WEATHER CONDITION - DOWNDRAFT
2. REMEDIAL ACTION - ATTEMPTED - PILOT IN COMMAND
3. (C) CLIMB - NOT POSSIBLE - PILOT IN COMMAND

Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: DESCENT

Occurrence #3: FIRE
Phase of Operation: OTHER

Pilot Information

Certificate:	Private	Age:	38
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	673 hours (Total, all aircraft), 132 hours (Total, this make and model), 71 hours (Last 90 days, all aircraft), 4 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	PIPER	Registration:	N9621P
Model/Series:	PA-25-260 PA-25-260	Engines:	1 Reciprocating
Operator:	GREGORY A. WOOD	Engine Manufacturer:	LYCOMING
Operating Certificate(s) Held:	None	Engine Model/Series:	O-540-G1A5
Flight Conducted Under:	Part 91: General Aviation - Aerial Application		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	, 0 ft msl	Weather Information Source:	Pilot
Lowest Ceiling:	None / 0 ft agl	Wind Speed/Gusts, Direction:	Calm / ,
Temperature:	13 °C	Visibility	50 Miles
Precipitation and Obscuration:			
Departure Point:	NEWDALE, ID	Destination:	

Wreckage and Impact Information

Crew Injuries:	1 Minor	Aircraft Damage:	Destroyed
Passenger Injuries:	N/A	Aircraft Fire:	On-Ground
Ground Injuries:	N/A	Aircraft Explosion:	None
Latitude, Longitude:			

Administrative Information

Investigator In Charge (IIC):	CANDACE C CARRERA	Adopted Date:	
Investigation Docket:	NTSB accident and incident dockets serve as permanent archival information for the NTSB's investigations. Dockets released prior to June 1, 2009 are publicly available from the NTSB's Record Management Division at pubinq@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .		

The National Transportation Safety Board (NTSB), established in 1967, is an independent federal agency mandated by Congress through the Independent Safety Board Act of 1974 to investigate transportation accidents, determine the probable causes of the accidents, issue safety recommendations, study transportation safety issues, and evaluate the safety effectiveness of government agencies involved in transportation. The NTSB makes public its actions and decisions through accident reports, safety studies, special investigation reports, safety recommendations, and statistical reviews.

The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report.