



National Transportation Safety Board Aviation Accident Data Summary

Location:	GREEN RIVER, UT	Accident Number:	SEA93LA017
Date & Time:	11/02/1992, 0900 MST	Registration:	N57139
Aircraft:	RAVEN AX-9	Injuries:	4 Serious, 1 Minor
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

THE PILOT TOOK OFF FROM A REMOTE SITE WITHOUT OBTAINING A WEATHER BRIEFING, ENCOUNTERED FCST TURB DURING THE INITIAL CLIMB, WHICH PITCHED THE BALLOON INTO AN UNUSUAL ATTITUDE AND PARTIALLY DEFLATED THE ENVELOPE. THE PILOT INITIATED AN EMERGENCY FORCED LANDING, ACTIVATED THE DEFLATION LINE AT 40 FT. AGL, AND THE BASKET IMPACTED THE GROUND AT 400 TO 600 FPM. AN ADVISORY WAS IN EFFECT FOR OCNL MDT TO ISOLD SVR TURB.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE INADEQUATE PREFLT PLANNING/PREPARATION BY THE PILOT RESULTING IN INFLT ENCOUNTER WITH WEATHER AND HIS FAILURE TO MAINTAIN PROPER RATE OF DESCENT DURING AN EMERGENCY FORCED LANDING. A FACTOR RELATING TO THE ACCIDENT WAS THE TURBULENT WEATHER CONDITIONS.

Findings

Occurrence #1: IN FLIGHT ENCOUNTER WITH WEATHER
Phase of Operation: CLIMB

Findings

1. (F) WEATHER CONDITION - TURBULENCE
 2. (C) PREFLIGHT PLANNING/PREPARATION - INADEQUATE - PILOT IN COMMAND
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Occurrence #2: FORCED LANDING
Phase of Operation: DESCENT - EMERGENCY

Occurrence #3: HARD LANDING
Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

3. (C) PROPER DESCENT RATE - NOT MAINTAINED - PILOT IN COMMAND

Pilot Information

Certificate:	Commercial	Age:	39
Airplane Rating(s):	None	Instrument Rating(s):	None
Other Aircraft Rating(s):	Balloon; Glider	Instructor Rating(s):	None
Flight Time:	514 hours (Total, all aircraft), 54 hours (Total, this make and model), 364 hours (Pilot In Command, all aircraft), 52 hours (Last 90 days, all aircraft), 12 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	RAVEN	Registration:	N57139
Model/Series:	AX-9 AX-9	Engines:	0 Unknown
Operator:	MARKLE, JOHN R.	Engine Manufacturer:	
Operating Certificate(s) Held:	None	Engine Model/Series:	
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	HVE, 4444 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	Broken / 8000 ft agl	Wind Speed/Gusts, Direction:	/ ,
Temperature:	1° C	Visibility	60 Miles
Precipitation and Obscuration:			
Departure Point:		Destination:	

Wreckage and Impact Information

Crew Injuries:	1 Serious	Aircraft Damage:	Substantial
Passenger Injuries:	3 Serious, 1 Minor	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Latitude, Longitude:			

Administrative Information

Investigator In Charge (IIC):	PRENTISS E MANGUM	Adopted Date:	09/14/1993
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/ .		

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