



# Aviation Investigation Final Report

<b>Location:</b>	JEROME, Idaho	<b>Accident Number:</b>	SEA83LA132
<b>Date &amp; Time:</b>	June 23, 1983, 13:00 Local	<b>Registration:</b>	N245C
<b>Aircraft:</b>	HILLER UH-12B	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Ferry		

## Analysis

THE ACFT WAS DESTROYED BY FIRE AFTER A FORCED LANDING DUE TO PWR LOSS. THE PILOT STATED THAT HE WAS EN ROUTE HOME AFTER AN AERIAL APPLICATION MISSION WHEN THE ENGINE LOST POWER. HE MADE AN AUTO-ROTATION DOWNWIND AND AFTER EXITING THE ACFT NOTICED AN ENGINE FIRE. THE ACFT AND 2 ACRES OF RANGE GRASS WERE DESTROYED IN THE FIRE. FAA INSPECTORS EXAMINED THE WRECKAGE BUT COULD NOT DETERMINE THE CAUSE OF THE POWER LOSS BECAUE OF THE EXTENSIVE FIRE DAMAGE.

## Probable Cause and Findings

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

### Findings

Occurrence #1: LOSS OF ENGINE POWER  
Phase of Operation: CRUISE - NORMAL

#### Findings

1. (C) REASON FOR OCCURRENCE UNDETERMINED

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Occurrence #2: FORCED LANDING  
Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

2. (F) WEATHER CONDITION - TAILWIND
3. (F) AUTOROTATION - PERFORMED - PILOT IN COMMAND

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Occurrence #3: FIRE

Phase of Operation: LANDING - ROLL

## Factual Information

### Pilot Information

<b>Certificate:</b>	Commercial	<b>Age:</b>	26, Male
<b>Airplane Rating(s):</b>	Single-engine land	<b>Seat Occupied:</b>	Center
<b>Other Aircraft Rating(s):</b>	Helicopter	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>		<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 1 Valid Medical--no waivers/lim.	<b>Last FAA Medical Exam:</b>	March 8, 1983
<b>Occupational Pilot:</b>	Yes	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	500 hours (Total, all aircraft), 50 hours (Total, this make and model), 370 hours (Pilot In Command, all aircraft), 52 hours (Last 90 days, all aircraft), 20 hours (Last 30 days, all aircraft), 4 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	HILLER	<b>Registration:</b>	N245C
<b>Model/Series:</b>	UH-12B UH-12B	<b>Aircraft Category:</b>	Helicopter
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Limited (Special)	<b>Serial Number:</b>	324
<b>Landing Gear Type:</b>	Skid	<b>Seats:</b>	4
<b>Date/Type of Last Inspection:</b>	100 hour	<b>Certified Max Gross Wt.:</b>	2500 lbs
<b>Time Since Last Inspection:</b>	2 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	2700 Hrs	<b>Engine Manufacturer:</b>	FRANKLIN
<b>ELT:</b>	Not installed	<b>Engine Model/Series:</b>	6V35B
<b>Registered Owner:</b>	DOUGLAS MCFALL	<b>Rated Power:</b>	235 Horsepower
<b>Operator:</b>	MOUNTAIN WEST HELICOPTERS	<b>Operating Certificate(s) Held:</b>	
<b>Operator Does Business As:</b>		<b>Operator Designator Code:</b>	

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	BYI ,4150 ft msl	<b>Distance from Accident Site:</b>	30 Nautical Miles
<b>Observation Time:</b>	13:00 Local	<b>Direction from Accident Site:</b>	90°
<b>Lowest Cloud Condition:</b>	25000 ft AGL	<b>Visibility</b>	50 miles
<b>Lowest Ceiling:</b>	Unknown	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	13 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	200°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	29 inches Hg	<b>Temperature/Dew Point:</b>	17°C / 4°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	HAZELTON , ID (U94 )	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	JEROME , ID	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	12:40 Local	<b>Type of Airspace:</b>	Class G

## Airport Information

<b>Airport:</b>		<b>Runway Surface Type:</b>	
<b>Airport Elevation:</b>	0 ft msl	<b>Runway Surface Condition:</b>	
<b>Runway Used:</b>	0	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	0 ft / 0 ft	<b>VFR Approach/Landing:</b>	Forced landing

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>		<b>Aircraft Fire:</b>	In-flight
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	1 None	<b>Latitude, Longitude:</b>	42.730457,-114.430122(est)

## Administrative Information

**Investigator In Charge (IIC):** Carrera, Candice

**Additional Participating Persons:**

**Original Publish Date:**

**Last Revision Date:**

**Investigation Class:** [Class](#)

**Note:**

**Investigation Docket:** <https://data.nts.gov/Docket?ProjectID=39717>

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