



# Aviation Investigation Final Report

<b>Location:</b>	N. HAILEY, Idaho	<b>Accident Number:</b>	SEA83LA194
<b>Date &amp; Time:</b>	August 24, 1983, 19:00 Local	<b>Registration:</b>	N999TP
<b>Aircraft:</b>	ENSTROM 280C	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	2 None
<b>Flight Conducted Under:</b>	Part 91: General aviation		

## Analysis

THE PLT REPORTED THAT DURING TAKEOFF FROM A COUNTY ROAD (ELEVATION 5500 FT), HE ALLOWED THE RPM TO DROP 'BELOW GREEN.' REPORTEDLY, HE HAD A CHOICE OF EITHER SETTING THE HELICOPTER DOWN ON THE ROAD OR FLYING DOWN A SLOPE TO GAIN AIRSPEED. HE ELECTED TO LAND ON THE ROAD. HOWEVER, THE ROTOR RPM HAD SLOWED TO THE POINT THAT THE HELICOPTER TOUCHED DOWN HARD & THE ROTOR BLADES STRUCK THE TAIL BOOM. THE DENSITY ALTITUDE WAS APRX 8000 FT. NO MECHANICAL ENGINE MALFUNCTIONS WERE REPORTED.

## Probable Cause and Findings

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

### Findings

Occurrence #1: IN FLIGHT COLLISION WITH TERRAIN/WATER  
Phase of Operation: TAKEOFF

#### Findings

1. (F) WEATHER CONDITION - HIGH DENSITY ALTITUDE
2. (C) PREFLIGHT PLANNING/PREPARATION - INADEQUATE - PILOT IN COMMAND
3. (C) ROTOR RPM - NOT MAINTAINED - PILOT IN COMMAND
4. (F) ABORTED TAKEOFF - PERFORMED - PILOT IN COMMAND



## Factual Information

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	41, Male
<b>Airplane Rating(s):</b>	Single-engine land	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	Helicopter	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	None	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>		<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 3 Valid Medical-w/ waivers/lim	<b>Last FAA Medical Exam:</b>	June 7, 1982
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	87 hours (Total, all aircraft), 87 hours (Total, this make and model), 45 hours (Pilot In Command, all aircraft), 28 hours (Last 90 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	ENSTROM	<b>Registration:</b>	N999TP
<b>Model/Series:</b>	280C 280C	<b>Aircraft Category:</b>	Helicopter
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	1040
<b>Landing Gear Type:</b>	Skid	<b>Seats:</b>	3
<b>Date/Type of Last Inspection:</b>	100 hour	<b>Certified Max Gross Wt.:</b>	2350 lbs
<b>Time Since Last Inspection:</b>	31 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	810 Hrs	<b>Engine Manufacturer:</b>	LYCOMING
<b>ELT:</b>	Not installed	<b>Engine Model/Series:</b>	HIO-360
<b>Registered Owner:</b>	WAYNE ESKRIDGE	<b>Rated Power:</b>	205 Horsepower
<b>Operator:</b>		<b>Operating Certificate(s) Held:</b>	None
<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>	BXI ,4150 ft msl	<b>Distance from Accident Site:</b>	68 Nautical Miles
<b>Observation Time:</b>	18:55 Local	<b>Direction from Accident Site:</b>	140°
<b>Lowest Cloud Condition:</b>	Scattered / 8000 ft AGL	<b>Visibility</b>	30 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	4 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	160°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	30 inches Hg	<b>Temperature/Dew Point:</b>	26°C / 6°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>		<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>		<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	19:00 Local	<b>Type of Airspace:</b>	Class G

## Airport Information

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

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	1 None	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	2 None	<b>Latitude, Longitude:</b>	43.569263,-114.209335(est)

## Administrative Information

**Investigator In Charge (IIC):** McCreary, Steven

**Additional Participating Persons:**

**Original Publish Date:**

**Last Revision Date:**

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

**Note:**

**Investigation Docket:** <https://data.nts.gov/Docket?ProjectID=39766>

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