



# Aviation Investigation Final Report

<b>Location:</b>	N.W. OF COPALIS, Washington	<b>Accident Number:</b>	SEA82DA067
<b>Date &amp; Time:</b>	May 9, 1982, 07:30 Local	<b>Registration:</b>	N5045R
<b>Aircraft:</b>	CESSNA                      A185F	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	3 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

DURING THE LANDING ROLL THE PILOT APPLIED BRAKES AND THE TAILWHEEL EQUIPPED AIRCRAFT NOSED OVER. THE RUNWAY SURFACE IS CHARACTERIZED AS HARD/DAMP SAND DUE TO ITS PROXIMITY TO THE OCEAN AND IS PERIODICALLY SUBMERGED DURING HIGH TIDE CONDITIONS.

## Probable Cause and Findings

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

### Findings

Occurrence #1: NOSE OVER  
Phase of Operation: LANDING - ROLL

#### Findings

1. (F) TERRAIN CONDITION - SAND BAR
2. (C) BRAKES(NORMAL) - IMPROPER USE OF - PILOT IN COMMAND
3. (F) TERRAIN CONDITION - WET

## Factual Information

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	60, Male
<b>Airplane Rating(s):</b>	Single-engine land; Single-engine sea	<b>Seat Occupied:</b>	Unknown
<b>Other Aircraft Rating(s):</b>		<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	None	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 3 Valid Medical--no waivers/lim.	<b>Last FAA Medical Exam:</b>	May 15, 1981
<b>Occupational Pilot:</b>	UNK	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	2000 hours (Total, all aircraft), 480 hours (Total, this make and model), 1 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	CESSNA	<b>Registration:</b>	N5045R
<b>Model/Series:</b>	A185F A185F	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>		<b>Serial Number:</b>	18502987
<b>Landing Gear Type:</b>	Tailwheel	<b>Seats:</b>	6
<b>Date/Type of Last Inspection:</b>	Unknown	<b>Certified Max Gross Wt.:</b>	3350 lbs
<b>Time Since Last Inspection:</b>	26 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	500 Hrs	<b>Engine Manufacturer:</b>	CONTINENTAL
<b>ELT:</b>	Installed	<b>Engine Model/Series:</b>	IO-520-D
<b>Registered Owner:</b>	HOLAND ENTERPRISES, INC.	<b>Rated Power:</b>	300 Horsepower
<b>Operator:</b>	VERNON T. HOLAND	<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>	HQM	<b>Distance from Accident Site:</b>	13 Nautical Miles
<b>Observation Time:</b>	07:50 Local	<b>Direction from Accident Site:</b>	310°
<b>Lowest Cloud Condition:</b>	Unknown	<b>Visibility</b>	12 miles
<b>Lowest Ceiling:</b>	Overcast / 2000 ft AGL	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	6 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	340°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	30 inches Hg	<b>Temperature/Dew Point:</b>	49°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	WESTPORT , WA (14S)	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	COPALIS BCH , WA (S16)	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	07:20 Local	<b>Type of Airspace:</b>	

## Airport Information

<b>Airport:</b>	COPALIS STATE S16	<b>Runway Surface Type:</b>	
<b>Airport Elevation:</b>	0 ft msl	<b>Runway Surface Condition:</b>	Wet
<b>Runway Used:</b>	33	<b>IFR Approach:</b>	
<b>Runway Length/Width:</b>	5000 ft / 150 ft	<b>VFR Approach/Landing:</b>	Straight-in

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	2 None	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	3 None	<b>Latitude, Longitude:</b>	47.09032,-124.130554(est)

## Administrative Information

**Investigator In Charge (IIC):**

**Additional Participating Persons:**

**Original Publish Date:** May 9, 1983

**Last Revision Date:**

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

**Note:**

**Investigation Docket:** <https://data.nts.gov/Docket?ProjectID=71817>

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