



# Aviation Investigation Final Report

<b>Location:</b>	Cascade, Idaho	<b>Accident Number:</b>	WPR13CA326
<b>Date &amp; Time:</b>	July 14, 2013, 07:30 Local	<b>Registration:</b>	N185BW
<b>Aircraft:</b>	Cessna A185F	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Loss of visual reference	<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

The pilot reported that while landing at a remote dirt airstrip, as he turned to final approach, the runway was obscured by the glare of the morning sun. As he continued the approach to land, about 30 feet above the ground, the right wing struck trees that were next to the runway. The airplane sustained substantial damage to the wings and to the landing gear boxes. The pilot stated that had he flown a longer final he would have been able to assess the situation better. The pilot reported no preaccident mechanical malfunctions or failures with the airplane that would have precluded normal operation.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's failure to maintain clearance from trees during final approach due to the sun glare that obscured the pilot's vision.

## Findings

<b>Environmental issues</b>	Glare - Effect on personnel
<b>Personnel issues</b>	Aircraft control - Pilot
<b>Aircraft</b>	Altitude - Not attained/maintained
<b>Environmental issues</b>	Tree(s) - Not specified

## Factual Information

### History of Flight

<b>Approach-VFR pattern final</b>	Loss of visual reference (Defining event)
<b>Landing</b>	Collision with terr/obj (non-CFIT)

### Pilot Information

<b>Certificate:</b>	Commercial	<b>Age:</b>	60, Male
<b>Airplane Rating(s):</b>	Single-engine sea	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 2 With waivers/limitations	<b>Last FAA Medical Exam:</b>	April 9, 2012
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	June 26, 2012
<b>Flight Time:</b>	3241 hours (Total, all aircraft), 2480 hours (Total, this make and model), 3185 hours (Pilot In Command, all aircraft), 66 hours (Last 90 days, all aircraft), 28 hours (Last 30 days, all aircraft), 3 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Cessna	<b>Registration:</b>	N185BW
<b>Model/Series:</b>	A185F	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	18503232
<b>Landing Gear Type:</b>	Tailwheel	<b>Seats:</b>	6
<b>Date/Type of Last Inspection:</b>	March 15, 2013 Annual	<b>Certified Max Gross Wt.:</b>	3350 lbs
<b>Time Since Last Inspection:</b>	56 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	4307 Hrs at time of accident	<b>Engine Manufacturer:</b>	CONT MOTOR
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	IO 520 D
<b>Registered Owner:</b>	LANGDON WILLIAM	<b>Rated Power:</b>	285 Horsepower
<b>Operator:</b>	LANGDON WILLIAM	<b>Operating Certificate(s) Held:</b>	None

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	SNT,6403 ft msl	<b>Distance from Accident Site:</b>	31 Nautical Miles
<b>Observation Time:</b>	07:51 Local	<b>Direction from Accident Site:</b>	270°
<b>Lowest Cloud Condition:</b>	Clear	<b>Visibility</b>	10 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	/	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>		<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	30.3 inches Hg	<b>Temperature/Dew Point:</b>	6°C / -1°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	Crouch, ID (U88 )	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	Cascade, ID (ID86)	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	07:00 Local	<b>Type of Airspace:</b>	

## Airport Information

<b>Airport:</b>	Deadwood Dam Airstrip ID86	<b>Runway Surface Type:</b>	Dirt
<b>Airport Elevation:</b>	5489 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	04	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	1800 ft / 50 ft	<b>VFR Approach/Landing:</b>	Traffic pattern

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>		<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	1 None	<b>Latitude, Longitude:</b>	44.2975,-115.639724(est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Jones, Patrick
<b>Additional Participating Persons:</b>	Dan Frandeson; Federal Aviation Administration; Boise, ID
<b>Original Publish Date:</b>	September 12, 2013
<b>Last Revision Date:</b>	
<b>Investigation Class:</b>	<a href="#">Class</a>
<b>Note:</b>	This accident report documents the factual circumstances of this accident as described to the NTSB.
<b>Investigation Docket:</b>	<a href="https://data.nts.gov/Docket?ProjectID=87476">https://data.nts.gov/Docket?ProjectID=87476</a>

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