



# Aviation Investigation Final Report

<b>Location:</b>	RIGGINS, Idaho	<b>Accident Number:</b>	SEA93LA057
<b>Date &amp; Time:</b>	January 27, 1993, 17:15 Local	<b>Registration:</b>	N8691X
<b>Aircraft:</b>	CESSNA 180E	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

THE PILOT ATTEMPTED TO TAKE OFF FROM A 1100 FT. DIRT STRIP IN TAILWIND WEATHER CONDITIONS. THE ACFT ENTERED A DESCENT AT FULL POWER AFTER LIFTOFF, STRUCK A TREE, AND IMPACTED THE GROUND OFF THE END OF THE STRIP.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE IMPROPER PREFLIGHT PLANNING BY THE PILOT AND HIS FAILURE TO ATTAIN PROPER AIRSPEED FOR TAKEOFF FROM A SHORT STRIP IN TAILWIND WEATHER CONDITIONS. A FACTOR RELATING TO THE ACCIDENT WAS THE TAILWIND WEATHER CONDITIONS.

## Findings

Occurrence #1: LOSS OF CONTROL - IN FLIGHT  
Phase of Operation: TAKEOFF - INITIAL CLIMB

### Findings

1. (F) WEATHER CONDITION - TAILWIND
  2. (C) PREFLIGHT PLANNING/PREPARATION - IMPROPER - PILOT IN COMMAND
  3. (C) AIRSPEED(VLOF) - NOT ATTAINED - PILOT IN COMMAND
  4. (C) LIFT-OFF - PREMATURE - PILOT IN COMMAND
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Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER  
Phase of Operation: DESCENT - UNCONTROLLED

## Factual Information

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	52, Male
<b>Airplane Rating(s):</b>	Single-engine land	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	None	<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 17, 1991
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	1000 hours (Total, all aircraft), 600 hours (Total, this make and model), 12 hours (Last 90 days, all aircraft), 4 hours (Last 30 days, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	CESSNA	<b>Registration:</b>	N8691X
<b>Model/Series:</b>	180E 180E	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	18051091
<b>Landing Gear Type:</b>	Tailwheel	<b>Seats:</b>	4
<b>Date/Type of Last Inspection:</b>	April 24, 1992 Annual	<b>Certified Max Gross Wt.:</b>	2650 lbs
<b>Time Since Last Inspection:</b>	55 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	1780 Hrs	<b>Engine Manufacturer:</b>	CONTINENTAL
<b>ELT:</b>	Installed, activated, did not aid in locating accident	<b>Engine Model/Series:</b>	O-470-R
<b>Registered Owner:</b>	BURNETT, ROSS L.	<b>Rated Power:</b>	230 Horsepower
<b>Operator:</b>	BURNETT, ROSS L.	<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>	LWS ,1438 ft msl	<b>Distance from Accident Site:</b>	68 Nautical Miles
<b>Observation Time:</b>	16:49 Local	<b>Direction from Accident Site:</b>	320°
<b>Lowest Cloud Condition:</b>	Scattered / 11000 ft AGL	<b>Visibility</b>	25 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	15 knots / 18 knots	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	150°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	30 inches Hg	<b>Temperature/Dew Point:</b>	6°C / -5°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	(NONE)	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	SPOKANE , WA (SFF )	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	17:15 Local	<b>Type of Airspace:</b>	Class G

## Airport Information

<b>Airport:</b>	NONE NONE	<b>Runway Surface Type:</b>	Grass/turf
<b>Airport Elevation:</b>	1600 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	36	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	1100 ft / 35 ft	<b>VFR Approach/Landing:</b>	

## 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>	45.390342,-116.470069(est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Mangum, Prentiss
<b>Additional Participating Persons:</b>	DAVE AVEY; RENTON , WA
<b>Original Publish Date:</b>	October 13, 1993
<b>Last Revision Date:</b>	
<b>Investigation Class:</b>	<a href="#">Class</a>
<b>Note:</b>	
<b>Investigation Docket:</b>	<a href="https://data.nts.gov/Docket?ProjectID=42980">https://data.nts.gov/Docket?ProjectID=42980</a>

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