

# NATIONAL TRANSPORTATION SAFETY BOARD PILOT/OPERATOR AIRCRAFT ACCIDENT/INCIDENT REPORT

This form to be used for reporting civil and public aircraft accidents and incidents

## BASIC INFORMATION

### Accident/Incident Location

Nearest City/Place: Lakeside State: Oregon

ZIP: 97449 Country: USA

Latitude: 43.58317 Longitude: -124.180392

(Enter in decimal degrees or degrees:minutes:seconds)

### Accident/Incident Date/Time

Date: 06/29/2021 Local Time: 1833 UTC

mm/dd/yyyy

Time Zone: Pacific

Collision with Other Aircraft: ☐ Midair ☐ On-ground ☒ None

## AIRCRAFT INFORMATION

Registration Number: N159WT

Manufacturer: Peter A. Broussard (Kit by Silverlight Aviation)

Model: American Ranger Model AR-1

Serial Number: 0008

Year of Manufacture: 2017

Amateur-Built: ☒ Yes ☐ No If Yes: ☒ Kit/Plans ☐ Original Design Make: Silverlight

- ☐ IFR-Equipped and Certified  
☐ Commercial Space Flight  
☐ Unmanned Aircraft

Maximum Gross Weight: \_\_\_\_\_ lbs

Weight at Time of Accident/Incident: \_\_\_\_\_ lbs

Number of Seats: \_\_\_\_\_ Flight Crew Seats: \_\_\_\_\_

Cabin Crew Seats: \_\_\_\_\_ Passenger Seats: \_\_\_\_\_

Number of Engines: \_\_\_\_\_

### Category of Aircraft

- ☐ Airplane  
☐ Balloon  
☐ Blimp/Dirigible  
☐ Glider  
☒ Gyroplane  
☐ Helicopter  
☐ Powered Lift  
☐ Rocket  
☐ Ultralight  
☐ Unknown

### Type of Airworthiness Certificate

(Check all that apply)

#### Standard

- ☐ Normal  
☐ Aerobatic  
☐ Balloon  
☐ Commuter  
☐ Transport  
☐ Utility

#### Special

- ☐ Restricted  
☐ Limited  
☐ Provisional  
☐ Special Flight  
☒ Experimental  
☐ Special Light-Sport  
☐ Experimental Light-Sport

- ☒ Certificate of Authorization or Waiver (COA)  
☐ None ☐ Unknown

### Landing Gear

(Check all that apply)

#### ☐ Retractable

- ☒ Tricycle ☐ Tailwheel  
☐ Amphibian ☐ High Skid  
☐ Emergency Float ☐ Skid  
☐ Float ☐ Ski  
☐ Hull ☐ Ski/Wheel

☐ Other Launch/Recovery System

- ☐ None ☐ Unknown

### Engine Type (Select one)

- ☒ Reciprocating ☐ Liquid Rocket  
☐ Turbo Shaft ☐ Solid Rocket  
☐ Turbo Prop ☐ Hybrid Rocket  
☐ Turbo Jet ☐ None  
☐ Turbo Fan ☐ Unknown  
☐ Electric

### Fuel System Type (Reciprocating)

- ☒ Carburetor ☐ Fuel-Injected

Engine	Engine Manufacturer	Engine Model/Serial	Manufacturer's Serial Number	Date of Mfg. mm/dd/yyyy	Rated Power <input checked="" type="radio"/> Horsepower or <input type="radio"/> lbs of Thrust	Total Time (hours)	Time Since: Inspection (hours)	Overhaul (hours)
Eng. 1	Rotax	912ULS	6786539		100	203	13.4	N/A
Eng. 2								
Eng. 3								
Eng. 4								

### Last Inspection Type

- ☒ 100-Hour ☐ Continuous Airworthiness  
☐ AAIP ☐ Conditional Inspection  
☐ Annual ☐ Unknown

Date Last Inspection: \_\_\_\_\_  
mm/dd/yyyy

Airframe Total Time: 203 hrs

hours measured at (Select one)

- ☐ Last Inspection ☒ Time of Accident/Incident

### Type of Maintenance Program (Select one)

- ☒ Annual  
☐ Conditional (Amateur-built only)  
☐ Manufacturer's Inspection Program  
☐ Other Approved Inspection Program (AAIP)  
☐ Continuous Airworthiness  
☐ Other, specify: \_\_\_\_\_

### Description of Fire Extinguishing System

- ☒ None  
☐ Specify: \_\_\_\_\_

### Propeller 1

- ☐ Fixed Pitch  
☐ Controllable Pitch  
☒ Ground Adjustable

Manufacturer: Warp Drive

Model: Unknown

### Propeller 2

- ☐ Fixed Pitch  
☐ Controllable Pitch  
☐ Ground Adjustable

Manufacturer: \_\_\_\_\_

Model: \_\_\_\_\_

ELT Installed: ☐ Yes ☒ No

If Yes:

ELT Manufacturer: \_\_\_\_\_

Model or Part No.: \_\_\_\_\_

TSO No.: ☐ C91 (121.5 MHz) ☐ C91a (121.5 MHz)  
☐ C126 (406 MHz)

Was ELT still mounted in aircraft? ☐ Yes ☐ No

Was ELT still connected to antenna? ☐ Yes ☐ No

Did ELT Activate? ☐ Yes ☐ No

If activated:

Did ELT Aid in Locating Aircraft: ☐ Yes ☐ No

If not activated:

- Indicate Reason: ☐ Impact Damage  
☐ Fire Damage  
☐ Battery Expired/Damaged  
☐ Unknown

### Additional Equipment (Check all that apply)

- ☒ ADS-B  
☐ Airframe Parachute  
☐ Angle of Attack Indicator  
☐ Autopilot  
☐ Data Recorder  
☒ Electronic Flight Bag or Handheld Device  
☐ Electronic Multifunction Display  
☐ Electronic Primary Flight Display  
☐ Handheld GPS  
☐ Heads Up Display  
☐ Onboard Weather  
☐ Satellite Tracking Device  
☐ Stall Warning System  
☐ Video Recording Device  
☐ Other, Specify: \_\_\_\_\_

**OWNER/OPERATOR INFORMATION****Registered Aircraft Owner**Name: Chaplains of IndustryCity: Coos BayState: OregonZIP: 97420-3072Fractional Ownership Aircraft: ☐ Yes ☒ NoCountry: USA**Operator of Aircraft**☐ Same As Registered Owner☒ Same Address as Registered OwnerName: Peter A. Broussard

City: \_\_\_\_\_

Doing Business As: Self

State: \_\_\_\_\_

ZIP: \_\_\_\_\_

Air Carrier/Operator Designator (4 Character Code): \_\_\_\_\_

Country: \_\_\_\_\_

**Operating Certificates Held**

(Check all that apply)

- ☒ None  
☐ Flag Carrier Operating Certificate (FAR 121)  
☐ Supplemental  
☐ Air Cargo  
☐ Foreign Air Carriers (FAR 129)  
☐ Rotorcraft External Load (FAR 133)  
☐ Commuter Air Carrier (FAR 135)  
☐ On-Demand Air Taxi (FAR 135)  
☐ Commercial Air Tour (FAR 136)  
☐ Agricultural Aircraft (FAR 137)  
☐ Pilot School (FAR 141)  
☐ Certificate of Authorization or Waiver (COA)  
☐ Commercial Space Transportation  
Experimental Permit  
☐ Commercial Space Transportation License  
☐ Other Operator of Large Aircraft

**Regulation Flight Conducted Under**

- ☒ FAR 91 ☐ FAR 129 ☐ FAR 415  
☐ FAR 103 ☐ FAR 133 ☐ FAR 431  
☐ FAR 121 ☐ FAR 135 ☐ FAR 435  
☐ FAR 125 ☐ FAR 137 ☐ FAR 437

- ☐ FAR 91 Special Flight  
☐ Non-US, Commercial  
☐ Non-US, Non-commercial

☐ Public Aircraft (Select one)

- ☐ Armed Forces  
☐ Federal  
☐ State  
☐ Local

☐ Unknown**Revenue Operation for FAR 121, 125, 129, 135**

(Select one for each group)

- ☐ Scheduled or Commuter ☐ Domestic  
☐ Non-Scheduled or Air Taxi ☐ International

- ☐ Passenger  
☐ Cargo  
☐ Mail Contract Only

**Purpose of Flight for FAR 91, 103, 133, 137**

(Select one)

- ☐ Aerial Application ☐ Firefighting ☐ Unknown  
☒ Aerial Observation ☐ Flight Test  
☐ Air Drop ☐ Glider Tow  
☐ Air Race/Show ☐ Instructional  
☐ Banner Tow ☐ Other Work Use  
☐ Business ☐ Personal  
☐ Executive/Corporate ☐ Positioning  
☐ External Load ☐ Skydiving  
☐ Ferry

**Revenue Sightseeing Flight**☐ Yes ☒ No**Air Medical Flight**☐ Yes ☒ No**AIRPORT INFORMATION (Fill in if accident/incident occurred on approach, landing, takeoff, departure, or within 3 miles of an airport)**Airport Name: Lakeside Airport

Distance From Airport Center: \_\_\_\_\_ sm

Airport Identifier: 9S3

Direction From Airport: \_\_\_\_\_ degrees true

Proximity to Airport: ☐ Off Airport/Airstrip ☒ On Airport/Airstrip ☐ N/AAirport Elevation: 20 ft. msl**Runway Information**Runway ID: 33 (L/R/C) Length: 2,150 ft Width: 100 ft**Condition of Runway/Landing Surface (Check all that apply)****Runway/Landing Surface (Check all that apply)**

- ☐ Asphalt ☒ Grass/Turf ☐ Macadam ☐ Water  
☐ Concrete ☐ Gravel ☐ Metal/Wood  
☐ Dirt ☐ Ice ☐ Snow ☐ Unknown

- ☒ Dry ☐ Snow-Compacted ☐ Water-Calm  
☐ Holes ☐ Snow-Crusted ☐ Water-Choppy  
☐ Ice Covered ☐ Snow-Dry ☐ Water-Glassy  
☐ Rough ☐ Snow-Wet ☐ Wet  
☐ Rubber Deposits ☐ Soft  
☐ Slush-Covered ☐ Vegetation ☐ Unknown

**Approach/Departure Segment (Select one)**

- ☐ Taxi ☐ VFR Departure ☐ On Instrument Approach ☐ Downwind ☐ Low Approach  
☒ Takeoff ☐ IFR Departure Procedure/Clearance ☐ Landing ☐ Base ☐ Go Around  
☐ Initial Climb ☐ Final ☐ Aborted Landing (after touchdown)  
☐ Crosswind ☐ Unknown

**IFR Approach (Check all that apply)**☒ None

- ☐ ADF/NDB ☐ PAR ☐ MLS ☐ Practice  
☐ SDF ☐ Sidestep ☐ LDA ☐ GPS  
☐ VOR/TVR ☐ ILS ☐ ASR  
☐ VOR/DME ☐ Localizer Only ☐ Visual  
☐ TACAN ☐ LOC-back course ☐ Contact  
☐ RNAV ☐ Circling  
☐ Unknown

**VFR Approach (Check all that apply)**☐ None

- ☐ Traffic Pattern ☐ Stop and Go  
☐ Straight-In ☐ Touch and Go  
☐ Valley/Terrain Following ☐ Simulated Forced Landing  
☐ Go Around ☐ Forced Landing  
☒ Full Stop ☐ Precautionary Landing  
☐ Unknown

## "FLIGHT CREWMEMBER 1" INFORMATION

### "Flight Crewmember 1" Responsibilities at the Time of Accident/Incident

☒ Pilot
 ☐ Co-Pilot
 ☐ Student Pilot
 ☐ Flight Instructor
 ☐ Check Pilot
 ☐ Flight Engineer
 ☐ Other Flight Crew

"Flight Crewmember 1" was pilot flying ☒ Yes ☐ No

### "Flight Crewmember 1" Identification

First Name: Peter

City of Residence: Coos Bay

Middle Initial: A

State: Oregon ZIP: 97420

Last Name: Broussard

Country: USA

Age at time of Accident/Incident: 70 Date of Birth: 1950 mm/dd/yyyy

Certificate Number:

<b>Degree of Injury</b> <input checked="" type="radio"/> None <input type="radio"/> Fatal <input type="radio"/> Minor <input type="radio"/> Unknown <input type="radio"/> Serious	<b>Seat Occupied</b> <input type="radio"/> Left <input checked="" type="radio"/> Front <input type="radio"/> Unknown <input type="radio"/> Right <input type="radio"/> Rear <input type="radio"/> Center <input type="radio"/> Single	<b>Restraint Type</b> <table style="width: 100%;"> <tr> <th style="text-align: left;">Available</th> <th style="text-align: left;">Used</th> </tr> <tr> <td><input type="radio"/> None</td> <td><input type="radio"/> None</td> </tr> <tr> <td><input type="radio"/> Lap only</td> <td><input type="radio"/> Lap only</td> </tr> <tr> <td><input type="radio"/> 3-point</td> <td><input type="radio"/> 3-point</td> </tr> <tr> <td><input checked="" type="radio"/> 4-point</td> <td><input checked="" type="radio"/> 4-point</td> </tr> <tr> <td><input type="radio"/> 5-point</td> <td><input type="radio"/> 5-point</td> </tr> <tr> <td><input type="radio"/> Unknown</td> <td><input type="radio"/> Unknown</td> </tr> </table>	Available	Used	<input type="radio"/> None	<input type="radio"/> None	<input type="radio"/> Lap only	<input type="radio"/> Lap only	<input type="radio"/> 3-point	<input type="radio"/> 3-point	<input checked="" type="radio"/> 4-point	<input checked="" type="radio"/> 4-point	<input type="radio"/> 5-point	<input type="radio"/> 5-point	<input type="radio"/> Unknown	<input type="radio"/> Unknown	<b>Inflatable Restraints</b> <input checked="" type="checkbox"/> Not Installed <input type="checkbox"/> Installed <input type="checkbox"/> Not Deployed <input type="checkbox"/> Deployed <input type="checkbox"/> Unknown
Available	Used																
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<input type="radio"/> Unknown	<input type="radio"/> Unknown																
<b>Pilot Certificate(s) (Check all that apply)</b> <table style="width: 100%;"> <tr> <td><input type="checkbox"/> None</td> <td><input type="checkbox"/> Flight Instructor</td> <td><input type="checkbox"/> Commercial</td> <td><input type="checkbox"/> US Military</td> </tr> <tr> <td><input type="checkbox"/> Private</td> <td><input type="checkbox"/> Recreational</td> <td><input type="checkbox"/> Airline Transport</td> <td><input type="checkbox"/> Foreign</td> </tr> <tr> <td><input type="checkbox"/> Student</td> <td><input checked="" type="checkbox"/> Sport</td> <td><input type="checkbox"/> Flight Engineer</td> <td></td> </tr> </table>		<input type="checkbox"/> None	<input type="checkbox"/> Flight Instructor	<input type="checkbox"/> Commercial	<input type="checkbox"/> US Military	<input type="checkbox"/> Private	<input type="checkbox"/> Recreational	<input type="checkbox"/> Airline Transport	<input type="checkbox"/> Foreign	<input type="checkbox"/> Student	<input checked="" type="checkbox"/> Sport	<input type="checkbox"/> Flight Engineer		<b>Medical Certificate Validity</b> <input type="radio"/> Without limitations/waivers <input type="radio"/> Unknown <input type="radio"/> With limitations/waivers <input checked="" type="radio"/> N/A <input type="radio"/> Special Issuance			
<input type="checkbox"/> None	<input type="checkbox"/> Flight Instructor	<input type="checkbox"/> Commercial	<input type="checkbox"/> US Military														
<input type="checkbox"/> Private	<input type="checkbox"/> Recreational	<input type="checkbox"/> Airline Transport	<input type="checkbox"/> Foreign														
<input type="checkbox"/> Student	<input checked="" type="checkbox"/> Sport	<input type="checkbox"/> Flight Engineer															
<b>Principal Occupation</b> <input type="radio"/> Pilot <input checked="" type="radio"/> Other <input type="radio"/> Unknown	<b>Medical Certificate</b> <input type="radio"/> None <input type="radio"/> Class 3 <input type="radio"/> Class 1 <input checked="" type="radio"/> Driver's License (Sport Pilot only) <input type="radio"/> Class 2 <input type="radio"/> Unknown	<b>Date of Last Medical</b> <u>mm/dd/yyyy</u>															

### Medical Certificate Limitations

### Medical Certificate Special Issuance

**Date of Last Flight Review or Equivalent, Including FAR 121/135 Checks:**  
10/27/2020  
 mm/dd/yyyy

### Flight Review Aircraft

Make: Silverlight

Model: American Ranger AR-1 (N1152R)

<b>Airplane Rating(s) (Check all that apply)</b> <input type="checkbox"/> None <input type="checkbox"/> Single-Engine Land <input type="checkbox"/> Single-Engine Sea <input type="checkbox"/> Multiengine Land <input type="checkbox"/> Multiengine Sea	<b>Other Aircraft Rating(s) (Check all that apply)</b> <input type="checkbox"/> None <input type="checkbox"/> Airship <input type="checkbox"/> Balloon <input type="checkbox"/> Glider <input checked="" type="checkbox"/> Gyroplane <input type="checkbox"/> Helicopter <input type="checkbox"/> Powered Lift	<b>Instrument Rating(s) (Check all that apply)</b> <input checked="" type="checkbox"/> None <input type="checkbox"/> Airplane <input type="checkbox"/> Helicopter <input type="checkbox"/> Powered Lift	<b>Instructor Rating(s) (Check all that apply)</b> <input checked="" type="checkbox"/> None <input type="checkbox"/> Airplane Single-Engine <input type="checkbox"/> Airplane Multi-Engine <input type="checkbox"/> Gyroplane <input type="checkbox"/> Powered Lift <div style="float: right;"> <input type="checkbox"/> Instrument Airplane  <input type="checkbox"/> Instrument Helicopter  <input type="checkbox"/> Helicopter  <input type="checkbox"/> Glider  <input type="checkbox"/> Sport                 </div>
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### Type Ratings

### Student Endorsements (Include dates)

Flight Time (Enter appropriate number of hours in each box)	All Aircraft	This Make & Model	Airplane Single Engine	Airplane Multiengine	Night	Instrument		Rotorcraft	Glider	Lighter Than Air
						Actual	Simulated			
Total Time	239	197						239		
Pilot in Command (PIC)	161	161						161		
Time as Instructor	0	0						0		
This Make/Model										
Last 90 Days	15	15						15		
Last 30 Days	10	10						10		
Last 24 Hours	1	1						1		

## "FLIGHT CREWMEMBER 2" INFORMATION

### "Flight Crewmember 2" Responsibilities at the Time of Accident/Incident

☐ Pilot  
 ☐ Co-Pilot  
 ☐ Student Pilot  
 ☐ Flight Instructor  
 ☐ Check Pilot  
 ☐ Flight Engineer  
 ☐ Other Flight Crew

"Flight Crewmember 2" was pilot flying   ☐ Yes   ☐ No

### "Flight Crewmember 2" Identification

First Name: \_\_\_\_\_ City of Residence: \_\_\_\_\_  
 Middle Initial: \_\_\_\_\_ State: \_\_\_\_\_ ZIP: \_\_\_\_\_  
 Last Name: \_\_\_\_\_ Country: \_\_\_\_\_  
 Age at time of Accident/Incident: \_\_\_\_\_ Date of Birth: \_\_\_\_\_ mm/dd/yyyy  
 Certificate Number: \_\_\_\_\_

<b>Degree of Injury</b> <input type="radio"/> None <input type="radio"/> Fatal <input type="radio"/> Minor <input type="radio"/> Unknown <input type="radio"/> Serious	<b>Seat Occupied</b> <input type="radio"/> Left <input type="radio"/> Front <input type="radio"/> Unknown <input type="radio"/> Right <input type="radio"/> Rear <input type="radio"/> Center <input type="radio"/> Single	<b>Restraint Type</b> <table style="width: 100%;"> <tr> <th style="text-align: left;">Available</th> <th style="text-align: left;">Used</th> </tr> <tr> <td><input type="radio"/> None</td> <td><input type="radio"/> None</td> </tr> <tr> <td><input type="radio"/> Lap only</td> <td><input type="radio"/> Lap only</td> </tr> <tr> <td><input type="radio"/> 3-point</td> <td><input type="radio"/> 3-point</td> </tr> <tr> <td><input type="radio"/> 4-point</td> <td><input type="radio"/> 4-point</td> </tr> <tr> <td><input type="radio"/> 5-point</td> <td><input type="radio"/> 5-point</td> </tr> <tr> <td><input type="radio"/> Unknown</td> <td><input type="radio"/> Unknown</td> </tr> </table>	Available	Used	<input type="radio"/> None	<input type="radio"/> None	<input type="radio"/> Lap only	<input type="radio"/> Lap only	<input type="radio"/> 3-point	<input type="radio"/> 3-point	<input type="radio"/> 4-point	<input type="radio"/> 4-point	<input type="radio"/> 5-point	<input type="radio"/> 5-point	<input type="radio"/> Unknown	<input type="radio"/> Unknown	<b>Inflatable Restraints</b> <input type="checkbox"/> Not Installed <input type="checkbox"/> Installed <input type="checkbox"/> Not Deployed <input type="checkbox"/> Deployed <input type="checkbox"/> Unknown
Available	Used																
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<input type="radio"/> 5-point	<input type="radio"/> 5-point																
<input type="radio"/> Unknown	<input type="radio"/> Unknown																
<b>Pilot Certificate(s)</b> (Check all that apply) <table style="width: 100%;"> <tr> <td><input type="checkbox"/> None</td> <td><input type="checkbox"/> Flight Instructor</td> <td><input type="checkbox"/> Commercial</td> <td><input type="checkbox"/> US Military</td> </tr> <tr> <td><input type="checkbox"/> Private</td> <td><input type="checkbox"/> Recreational</td> <td><input type="checkbox"/> Airline Transport</td> <td><input type="checkbox"/> Foreign</td> </tr> <tr> <td><input type="checkbox"/> Student</td> <td><input type="checkbox"/> Sport</td> <td><input type="checkbox"/> Flight Engineer</td> <td></td> </tr> </table>		<input type="checkbox"/> None	<input type="checkbox"/> Flight Instructor	<input type="checkbox"/> Commercial	<input type="checkbox"/> US Military	<input type="checkbox"/> Private	<input type="checkbox"/> Recreational	<input type="checkbox"/> Airline Transport	<input type="checkbox"/> Foreign	<input type="checkbox"/> Student	<input type="checkbox"/> Sport	<input type="checkbox"/> Flight Engineer		<b>Medical Certificate Validity</b> <input type="radio"/> Without limitations/waivers <input type="radio"/> Unknown <input type="radio"/> With limitations/waivers <input type="radio"/> N/A <input type="radio"/> Special Issuance			
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<b>Principal Occupation</b> <input type="radio"/> Pilot <input type="radio"/> Other <input type="radio"/> Unknown	<b>Medical Certificate</b> <input type="radio"/> None <input type="radio"/> Class 3 <input type="radio"/> Class 1 <input type="radio"/> Driver's License (Sport Pilot only) <input type="radio"/> Class 2 <input type="radio"/> Unknown	<b>Date of Last Medical</b> _____ mm/dd/yyyy															

### Medical Certificate Limitations

### Medical Certificate Special Issuance

**Date of Last Flight Review or Equivalent, Including FAR 121/135 Checks:** \_\_\_\_\_ mm/dd/yyyy

### Flight Review Aircraft

Make: \_\_\_\_\_  
 Model: \_\_\_\_\_

<b>Airplane Rating(s)</b> (Check all that apply) <input type="checkbox"/> None <input type="checkbox"/> Single-Engine Land <input type="checkbox"/> Single-Engine Sea <input type="checkbox"/> Multiengine Land <input type="checkbox"/> Multiengine Sea	<b>Other Aircraft Rating(s)</b> (Check all that apply) <input type="checkbox"/> None <input type="checkbox"/> Airship <input type="checkbox"/> Balloon <input type="checkbox"/> Glider <input type="checkbox"/> Gyroplane <input type="checkbox"/> Helicopter <input type="checkbox"/> Powered Lift	<b>Instrument Rating(s)</b> (Check all that apply) <input type="checkbox"/> None <input type="checkbox"/> Airplane <input type="checkbox"/> Helicopter <input type="checkbox"/> Powered Lift	<b>Instructor Rating(s)</b> (Check all that apply) <input type="checkbox"/> None <input type="checkbox"/> Airplane Single-Engine <input type="checkbox"/> Airplane Multi-Engine <input type="checkbox"/> Gyroplane <input type="checkbox"/> Powered Lift <div style="margin-top: 10px;"> <input type="checkbox"/> Instrument Airplane  <input type="checkbox"/> Instrument Helicopter  <input type="checkbox"/> Helicopter  <input type="checkbox"/> Glider  <input type="checkbox"/> Sport                 </div>
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### Type Ratings

### Student Endorsements (Include dates)

Flight Time (Enter appropriate number of hours in each box)	All Aircraft	This Make & Model	Airplane Single Engine	Airplane Multiengine	Night	Instrument		Rotorcraft	Glider	Lighter Than Air
						Actual	Simulated			
Total Time										
Pilot in Command (PIC)										
Time as Instructor										
This Make/Model										
Last 90 Days										
Last 30 Days										
Last 24 Hours										

**ADDITIONAL FLIGHT CREWMEMBERS** (Exclusive of cabin crew, complete the following information)

<b>Crew Name and Address</b>		<b>Seat Occupied</b>	<b>Injury</b>
First Name: _____	City of Residence: _____	<input type="radio"/> Left <input type="radio"/> Front	<input type="radio"/> None
Middle Initial: _____	State: _____ ZIP: _____	<input type="radio"/> Center <input type="radio"/> Rear	<input type="radio"/> Minor
Last Name: _____	Country: _____	<input type="radio"/> Right <input type="radio"/> Single	<input type="radio"/> Serious
		<input type="radio"/> Unknown	<input type="radio"/> Fatal
			<input type="radio"/> Unknown
<b>Pilot Certificate(s)</b> (Check all that apply)		<b>Restraint Type:</b>	<b>Inflatable Restraints</b>
<input type="checkbox"/> None	<input type="checkbox"/> Flight Instructor	<b>Available</b>	<b>Used</b>
<input type="checkbox"/> Private	<input type="checkbox"/> Recreational	<input type="radio"/> None	<input type="radio"/> None
<input type="checkbox"/> Student	<input type="checkbox"/> Sport	<input type="radio"/> Lap Only	<input type="radio"/> Lap Only
	<input type="checkbox"/> Commercial	<input type="radio"/> 3-point	<input type="radio"/> 3-point
	<input type="checkbox"/> Airline Transport	<input type="radio"/> 4-point	<input type="radio"/> 4-point
	<input type="checkbox"/> Flight Engineer	<input type="radio"/> 5-point	<input type="radio"/> 5-point
	<input type="checkbox"/> US Military	<input type="radio"/> Unknown	<input type="radio"/> Unknown
	<input type="checkbox"/> Foreign		
<b>Type Rating/Endorsement for Accident/Incident Aircraft?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>Total Flight Time at the Time of this Accident/Incident:</b> _____ hrs	

<b>Crew Name and Address</b>		<b>Seat Occupied</b>	<b>Injury</b>
First Name: _____	City of Residence: _____	<input type="radio"/> Left <input type="radio"/> Front	<input type="radio"/> None
Middle Initial: _____	State: _____ ZIP: _____	<input type="radio"/> Center <input type="radio"/> Rear	<input type="radio"/> Minor
Last Name: _____	Country: _____	<input type="radio"/> Right <input type="radio"/> Single	<input type="radio"/> Serious
		<input type="radio"/> Unknown	<input type="radio"/> Fatal
			<input type="radio"/> Unknown
<b>Pilot Certificate(s)</b> (Check all that apply)		<b>Restraint Type:</b>	<b>Inflatable Restraints</b>
<input type="checkbox"/> None	<input type="checkbox"/> Flight Instructor	<b>Available</b>	<b>Used</b>
<input type="checkbox"/> Private	<input type="checkbox"/> Recreational	<input type="radio"/> None	<input type="radio"/> None
<input type="checkbox"/> Student	<input type="checkbox"/> Sport	<input type="radio"/> Lap Only	<input type="radio"/> Lap Only
	<input type="checkbox"/> Commercial	<input type="radio"/> 3-point	<input type="radio"/> 3-point
	<input type="checkbox"/> Airline Transport	<input type="radio"/> 4-point	<input type="radio"/> 4-point
	<input type="checkbox"/> Flight Engineer	<input type="radio"/> 5-point	<input type="radio"/> 5-point
	<input type="checkbox"/> US Military	<input type="radio"/> Unknown	<input type="radio"/> Unknown
	<input type="checkbox"/> Foreign		
<b>Type Rating/Endorsement for Accident/Incident Aircraft?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>Total Flight Time at the Time of this Accident/Incident:</b> _____ hrs	

**PASSENGER(S) / OTHER PERSONNEL** (Include cabin crew; continue on separate sheet if necessary)

Name and Address	Seat	Injury	Restraint Type	Inflatable Restraints	Age
First Name: _____ City: _____	<input type="radio"/> Left	<input type="radio"/> None	<b>Available</b>	<b>Used</b>	<input type="checkbox"/> Under 5 years
Middle Initial: _____ State: _____ ZIP: _____	<input type="radio"/> Center	<input type="radio"/> Minor	<input type="radio"/> None	<input type="radio"/> None	
Last Name: _____ Country: _____	<input type="radio"/> Right	<input type="radio"/> Serious	<input type="radio"/> Lap Only	<input type="radio"/> Lap Only	
	<input type="radio"/> Unknown	<input type="radio"/> Fatal	<input type="radio"/> 3-point	<input type="radio"/> 3-point	<input type="checkbox"/> Not Installed
<input type="radio"/> Crew <input type="radio"/> Passenger <input type="radio"/> Other	Row: _____	<input type="radio"/> Unknown	<input type="radio"/> 4-point	<input type="radio"/> 4-point	<input type="checkbox"/> Installed
			<input type="radio"/> 5-point	<input type="radio"/> 5-point	<input type="checkbox"/> Not Deployed
			<input type="radio"/> Unknown	<input type="radio"/> Unknown	<input type="checkbox"/> Deployed
					<input type="checkbox"/> Unknown
					<input type="checkbox"/> Child Restraint
					<input type="checkbox"/> Lap-Held
					<input type="checkbox"/> Unknown
First Name: _____ City: _____	<input type="radio"/> Left	<input type="radio"/> None	<b>Available</b>	<b>Used</b>	<input type="checkbox"/> Under 5 years
Middle Initial: _____ State: _____ ZIP: _____	<input type="radio"/> Center	<input type="radio"/> Minor	<input type="radio"/> None	<input type="radio"/> None	
Last Name: _____ Country: _____	<input type="radio"/> Right	<input type="radio"/> Serious	<input type="radio"/> Lap Only	<input type="radio"/> Lap Only	
	<input type="radio"/> Unknown	<input type="radio"/> Fatal	<input type="radio"/> 3-point	<input type="radio"/> 3-point	<input type="checkbox"/> Not Installed
<input type="radio"/> Crew <input type="radio"/> Passenger <input type="radio"/> Other	Row: _____	<input type="radio"/> Unknown	<input type="radio"/> 4-point	<input type="radio"/> 4-point	<input type="checkbox"/> Installed
			<input type="radio"/> 5-point	<input type="radio"/> 5-point	<input type="checkbox"/> Not Deployed
			<input type="radio"/> Unknown	<input type="radio"/> Unknown	<input type="checkbox"/> Deployed
					<input type="checkbox"/> Unknown
					<input type="checkbox"/> Child Restraint
					<input type="checkbox"/> Lap-Held
					<input type="checkbox"/> Unknown
First Name: _____ City: _____	<input type="radio"/> Left	<input type="radio"/> None	<b>Available</b>	<b>Used</b>	<input type="checkbox"/> Under 5 years
Middle Initial: _____ State: _____ ZIP: _____	<input type="radio"/> Center	<input type="radio"/> Minor	<input type="radio"/> None	<input type="radio"/> None	
Last Name: _____ Country: _____	<input type="radio"/> Right	<input type="radio"/> Serious	<input type="radio"/> Lap Only	<input type="radio"/> Lap Only	
	<input type="radio"/> Unknown	<input type="radio"/> Fatal	<input type="radio"/> 3-point	<input type="radio"/> 3-point	<input type="checkbox"/> Not Installed
<input type="radio"/> Crew <input type="radio"/> Passenger <input type="radio"/> Other	Row: _____	<input type="radio"/> Unknown	<input type="radio"/> 4-point	<input type="radio"/> 4-point	<input type="checkbox"/> Installed
			<input type="radio"/> 5-point	<input type="radio"/> 5-point	<input type="checkbox"/> Not Deployed
			<input type="radio"/> Unknown	<input type="radio"/> Unknown	<input type="checkbox"/> Deployed
					<input type="checkbox"/> Unknown
					<input type="checkbox"/> Child Restraint
					<input type="checkbox"/> Lap-Held
					<input type="checkbox"/> Unknown
First Name: _____ City: _____	<input type="radio"/> Left	<input type="radio"/> None	<b>Available</b>	<b>Used</b>	<input type="checkbox"/> Under 5 years
Middle Initial: _____ State: _____ ZIP: _____	<input type="radio"/> Center	<input type="radio"/> Minor	<input type="radio"/> None	<input type="radio"/> None	
Last Name: _____ Country: _____	<input type="radio"/> Right	<input type="radio"/> Serious	<input type="radio"/> Lap Only	<input type="radio"/> Lap Only	
	<input type="radio"/> Unknown	<input type="radio"/> Fatal	<input type="radio"/> 3-point	<input type="radio"/> 3-point	<input type="checkbox"/> Not Installed
<input type="radio"/> Crew <input type="radio"/> Passenger <input type="radio"/> Other	Row: _____	<input type="radio"/> Unknown	<input type="radio"/> 4-point	<input type="radio"/> 4-point	<input type="checkbox"/> Installed
			<input type="radio"/> 5-point	<input type="radio"/> 5-point	<input type="checkbox"/> Not Deployed
			<input type="radio"/> Unknown	<input type="radio"/> Unknown	<input type="checkbox"/> Deployed
					<input type="checkbox"/> Unknown
					<input type="checkbox"/> Child Restraint
					<input type="checkbox"/> Lap-Held
					<input type="checkbox"/> Unknown

# FLIGHT ITINERARY INFORMATION

<b>Last Departure Point</b> Airport ID: <u>S05</u> City: <u>Bandon</u> State: <u>Oregon</u> Country: <u>USA</u>	<b>Time of Departure</b> Time: <u>1745 UTC</u> Time Zone: <u>Pacific</u>	<b>Destination</b> Airport ID: <u>9S3</u> City: <u>Lakeside</u> State: <u>Oregon</u> Country: <u>USA</u>	<b>Type Flight Plan Filed</b> <input checked="" type="radio"/> None <input type="radio"/> VFR/IFR <input type="radio"/> Company VFR <input type="radio"/> IFR <input type="radio"/> Military VFR <input type="radio"/> Unknown <input type="radio"/> VFR Activated? <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown
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## Type of ATC Clearance/Service (Check all that apply)

<input checked="" type="checkbox"/> None	<input type="checkbox"/> Special VFR	<input type="checkbox"/> Special IFR	<input type="checkbox"/> VFR Flight Following	<input type="checkbox"/> Cruise
<input type="checkbox"/> VFR	<input type="checkbox"/> IFR	<input type="checkbox"/> VFR On Top	<input type="checkbox"/> Traffic Advisory	<input type="checkbox"/> Unknown / NA

## Airspace where the accident/incident occurred (Check all that apply)

<input type="checkbox"/> Class A <input type="checkbox"/> Class B <input type="checkbox"/> Class C <input type="checkbox"/> Class D <input checked="" type="checkbox"/> Class E <input type="checkbox"/> Class G <input type="checkbox"/> Demo Area <input type="checkbox"/> Warning Area <input type="checkbox"/> Prohibited Area <input type="checkbox"/> Restricted Area	<input type="checkbox"/> Military Operations Area (MOA) <input type="checkbox"/> Airport Advisory Area <input type="checkbox"/> Jet Training Area <input type="checkbox"/> TRSA <input type="checkbox"/> FAR 93	<input type="checkbox"/> Special <input type="checkbox"/> Air Traffic Control Area <input type="checkbox"/> Unknown	<b>Altitude of In-Flight Occurrence:</b> <u>35</u> ft msl
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# WEATHER INFORMATION AT THE ACCIDENT/INCIDENT SITE

## Source of Pilot Weather Information

(Check all that apply)

<input type="checkbox"/> National Weather Service <input type="checkbox"/> Flight Service Station <input type="checkbox"/> TV/Radio <input checked="" type="checkbox"/> Automated Report <input type="checkbox"/> Commercial Weather Service (DUATS) <input type="checkbox"/> On-Board Weather	<input type="checkbox"/> Company <input type="checkbox"/> Military <input type="checkbox"/> Internet <input type="checkbox"/> None <input type="checkbox"/> Unknown
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## Weather Observation Facility

Facility ID: OTH  
Observation Time: 1755 UTC  
Time Zone: Pacific  
Distance from Accident Site: 25 nm  
Direction from Accident Site: \_\_\_\_\_ degrees true

## Basic Conditions

☒ VMC  
☐ IMC  
☐ Unknown

## Light Condition

☐ Dawn ☐ Dusk ☐ Dark Night ☐ Unknown  
☒ Day ☐ Night ☐ Bright Night

## Sky/Lowest Cloud Condition

☐ Clear ☐ Thin Broken  
☐ Few ☒ Thin Overcast  
☐ Partial Obscuration ☐ Unknown  
☐ Scattered

## Ceiling

☐ None (Clear) ☐ Obscured  
☐ Broken ☐ Indefinite  
☒ Overcast ☐ Unknown

Temperature: \_\_\_\_\_ (C) or \_\_\_\_\_ (F)

Dew Point: \_\_\_\_\_ (C) or \_\_\_\_\_ (F)

Altimeter Setting: 29.89 in. Hg  
or \_\_\_\_\_ MB

## Lowest Cloud Condition Height

2500 ft agl

## Ceiling Height

2500 ft agl

## Wind Direction

☒ Variable

-or-  
Direction: \_\_\_\_\_ degrees true

## Wind Speed

☐ Calm  
☒ Light and Variable

Speed: \_\_\_\_\_ kts

## Wind Gusts

☐ Not Gusting

Speed: 0-10 kts

Visibility 10 miles  
RVR: N/A feet  
RVV: N/A miles

Density Altitude: 100 ft

## Intensity of Precipitation

☐ Light  
☐ Moderate  
☐ Heavy  
☐ N/A  
☐ Unknown

## Type of Precipitation (Check all that apply)

<input checked="" type="checkbox"/> None	<input type="checkbox"/> Drizzle	<input type="checkbox"/> Freezing Rain
<input type="checkbox"/> Rain	<input type="checkbox"/> Ice Pellets	<input type="checkbox"/> Snow Shower
<input type="checkbox"/> Snow	<input type="checkbox"/> Snow Pellets	<input type="checkbox"/> Ice Pellets Shower
<input type="checkbox"/> Hail	<input type="checkbox"/> Snow Grains	<input type="checkbox"/> Freezing Drizzle
<input type="checkbox"/> Rain Showers	<input type="checkbox"/> Ice Crystals	

## Restriction to Visibility (Check all that apply)

<input checked="" type="checkbox"/> None	<input type="checkbox"/> Fog
<input type="checkbox"/> Blowing Dust	<input type="checkbox"/> Ground Fog
<input type="checkbox"/> Blowing Sand	<input type="checkbox"/> Haze
<input type="checkbox"/> Blowing Snow	<input type="checkbox"/> Ice Fog
<input type="checkbox"/> Blowing Spray	<input type="checkbox"/> Smoke
<input type="checkbox"/> Dust	<input type="checkbox"/> Unknown

## Icing Forecast

Amount	Type
<input checked="" type="radio"/> None	<input type="radio"/> N/A
<input type="radio"/> Trace	<input type="radio"/> Rime
<input type="radio"/> Light	<input type="radio"/> Clear
<input type="radio"/> Moderate	<input type="radio"/> Mixed
<input type="radio"/> Severe	<input type="radio"/> Unknown
<input type="radio"/> Unknown	

## Icing Actual

Amount	Type
<input checked="" type="radio"/> None	<input type="radio"/> N/A
<input type="radio"/> Trace	<input type="radio"/> Rime
<input type="radio"/> Light	<input type="radio"/> Clear
<input type="radio"/> Moderate	<input type="radio"/> Mixed
<input type="radio"/> Severe	<input type="radio"/> Unknown
<input type="radio"/> Unknown	

## Turbulence

Type (Check all that apply)	Severity
<input checked="" type="checkbox"/> None	<input type="checkbox"/> Light
<input type="checkbox"/> Clear Air	<input type="checkbox"/> Moderate
<input type="checkbox"/> Terrain-Induced	<input type="checkbox"/> Severe
<input type="checkbox"/> Convective Turbulence	<input type="checkbox"/> Extreme

NOTAMS (D and FDC), AIRMETs, SIGMETs, PIREPs in effect at the time of the accident/incident:

N/A



## DAMAGE TO AIRCRAFT AND OTHER PROPERTY

### Aircraft Damage

- ☐ None  
☐ Minor  
☐ Substantial  
☒ Destroyed  
☐ Unknown

### Aircraft Fire

- ☒ None  
☐ In-Flight  
☐ On-Ground  
☐ Both Ground and In-Flight  
☐ Fire at Unknown Time  
☐ Unknown

### Aircraft Explosion

- ☒ None  
☐ In-Flight  
☐ On-Ground  
☐ Both Ground and In-Flight  
☐ Explosion at Unknown Time  
☐ Unknown

### Description of Damage to Aircraft and Other Property *(Use additional sheet if necessary)*

Structural damage to main rotor blades, rotor blade junction and rotor shaft. Suspected hidden damage to rotor hub assembly. Fuselage cracked almost in half. Front landing gear severed from frame. Main landing gear strut damaged. Suspected damage to aircraft main frame. Propeller blades severed from propeller hub. Propeller hub and engine intact.

## NARRATIVE HISTORY OF FLIGHT *(Please type or print in ink)*

Describe what occurred in chronological order, including circumstances leading to and nature of accident/incident. Describe terrain and include wreckage distribution sketch if pertinent. Attach extra sheets if needed. State departure time and location, services obtained, and intended destination. Provide as much detail as possible.



N159WT departed Bandon State Airport (S05) at approximately 1745 UTC and proceeded in a northerly direction along the Pacific coastline. 9WT transitioned the Delta airspace of Southwest Oregon Regional Airport (OTH) from approximately 1750 to 1800 UTC and proceeded to Lakeside Airport (9S3). At approximately 1815 UTC, 9WT entered a right downwind for Runway 15 to reconnoiter the windsock. Windsock indicated a very slight headwind for RW 15 and 9WT entered a right base and subsequent final for RW 15 landing with no incident at approximately 1820 UTC. 9WT taxied to the area south of the field for outfitting with the wildlife tracking receiver.

The receiver was installed into N159WT and secured. At 1825 UTC, 9WT initiated the taxi checklist, started the engine and taxied into position holding at the threshold of Runway 33 at 1831 UTC. The windsock indicated no wind and RW 33 was selected because the obstacles at the end of the runway were easier to clear proceeding in that direction versus taking off from RW 15. Pre-rotation of the rotor was initiated at 1832 UTC and the takeoff roll commenced at 18:32:30 UTC. Pilot struggled with achieving takeoff velocity compared to previous experiences on that grass strip and rotated at 18:32:43 UTC at about 50 mph. Rotor RPM was less than 300 and lift was not as robust as in previous takeoffs. Airspeed dropped to 25 mph retarding rotor RPM buildup and made impact with obstacles at the end of the runway, i.e. trees and residences, imminent. Pilot attempted to execute a 180-deg turn to RW 15 to avoid obstacles and emergency land. N159WT had insufficient altitude to execute the 180-deg maneuver and impacted the ground from an altitude of approximately 20 feet AGL at 18:33:06 UTC.

**RECOMMENDATION (How could this accident/incident have been prevented?)****Operator/Owner Safety Recommendation**

Incident occurred under conditions never before experienced by the pilot. The wind was variable to non-existent. Previous operations from 9S3 were with winds exceeding 5 mph and steady. On the day of the incident, initial wind direction favored landing on RW 16 which should have been observed by the pilot as a potential for gusts in that direction which would hinder a takeoff from RW 33. In the opinion of the pilot, inexperience on the part of the pilot in grass-field operations factored heavily in the accident. It is recommended that the pilot undergo additional flight training from unimproved runways. It is also recommended that, for any future operations by this pilot from 9S3 that an indicator flag be installed which would designate the farthest point down each runway beyond which the takeoff should be abandoned.

**MECHANICAL MALFUNCTION/FAILURE (If more space is needed, continue on separate sheet)**

Was there Mechanical Malfunction/Failure? ☐ Yes ☒ No

(If yes, list the name of the part, manufacturer, part no., serial no., and describe the failure.)

**Total Time/Cycles  
On Part**

N/A \_\_\_\_\_ Hours

N/A \_\_\_\_\_ Cycles

**Time Since This Part  
Inspected/Overhauled**

N/A \_\_\_\_\_ Hours

**FUEL & SERVICES INFORMATION****Fuel on Board at Last Takeoff**

(Convert from pounds, as necessary)

10 \_\_\_\_\_ Gallons

**Fuel Type**

☐ 80/87

☐ 100 Low Lead

☐ 100/130

☐ 115/145

☐ Jet A

☐ Jet A-1

☐ Jet B

☐ JP8

☐ Automotive

☒ Other, specify 91 Non-Ethanol Mogas

**Other Services, if Any, Prior to Departure**

None

**EVACUATION OF AIRCRAFT**

Was an emergency evacuation of the aircraft performed? ☒ Yes ☐ No

**Method of Exit** – Describe how the occupants exited and how many occupants evacuated each location

The aircraft was upside down so egress was achieved by unbuckling the harness and crawling out.

**OTHER AIRCRAFT – COLLISION (If air or ground collision occurred, complete this section for other aircraft)**

**Aircraft Registration Number**

**Manufacturer:** \_\_\_\_\_

**Model:** \_\_\_\_\_

**Damage to Other Aircraft**

☐ Destroyed

☐ Substantial

☐ Minor

☐ None

**Registered Owner of Other Aircraft**

Name: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_ ZIP: \_\_\_\_\_

Country: \_\_\_\_\_

**Pilot of Other Aircraft**

Name: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_ ZIP: \_\_\_\_\_

Country: \_\_\_\_\_



**ADDITIONAL INFORMATION (Please type or print in ink)**

Use this space if additional space is needed for any answers.

**I HEREBY CERTIFY THAT THE ABOVE INFORMATION IS COMPLETE AND ACCURATE TO THE BEST OF MY KNOWLEDGE****Date of this Report**07/06/2021*mm/dd/yyyy***Name of Pilot/Operator:** Peter Allen Broussard**Signature:** \_\_\_\_\_*-- or --*☒ Check here to electronically sign this document**If a Person Other than Pilot/Operator is Filing Report****Name:** \_\_\_\_\_**Title:** \_\_\_\_\_**Signature:** \_\_\_\_\_*-- or --*☐ Check here to electronically sign this document**FOR NTSB USE ONLY****NTSB Accident/Incident No.**WPR21LA252**Reviewed by NTSB Regional Office**WPR**Name of Investigator**Zoë Keliher**Date Report Received**07/06/2021