

# 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: East Sound, Orcas Is. State: WA.

ZIP: 98245 Country: U.S.

Latitude: 48-42.261682N Longitude: 122-54.636918W

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

### Accident/Incident Date/Time

Date: 06/16/2018 Local Time: 5:30pm

mm/dd/yyyy

Time Zone: Pacific

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

## AIRCRAFT INFORMATION

Registration Number: N11YB

Manufacturer: Piper

Model: Pacer, PA-20

Serial Number: 20-83

Year of Manufacture: 1950

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

☐ IFR-Equipped and Certified

☐ Commercial Space Flight

☐ Unmanned Aircraft

Maximum Gross Weight: 2000 lbs

Weight at Time of Accident/Incident: 1580 lbs

Number of Seats: 4 Flight Crew Seats: 1

Cabin Crew Seats: n/a Passenger Seats: 3

Number of Engines: 1

### 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/Series | Manufacturer's Serial Number | Date of Mfg.<br>mm/dd/yyyy | Rated Power<br><input checked="" type="radio"/> Horsepower or<br><input type="radio"/> lbs of Thrust | Total Time<br>(hours) | Time Since:<br>Inspection<br>(hours) | Overhaul<br>(hours) |
|--------|---------------------|---------------------|------------------------------|----------------------------|------------------------------------------------------------------------------------------------------|-----------------------|--------------------------------------|---------------------|
| Eng. 1 | <u>Lycoming</u>     | <u>O-320</u>        | <u>Unknown</u>               | <u>unknown</u>             | <u>150</u>                                                                                           | <u>2191.30.</u>       | <u>30.</u>                           | <u>1682.</u>        |
| Eng. 2 |                     |                     |                              |                            |                                                                                                      |                       |                                      |                     |
| Eng. 3 |                     |                     |                              |                            |                                                                                                      |                       |                                      |                     |
| Eng. 4 |                     |                     |                              |                            |                                                                                                      |                       |                                      |                     |

### Last Inspection Type

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

Date Last Inspection: 07/23/2017  
mm/dd/yyyy

Airframe Total Time: 2191 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: Sensenich

Model: 74DM6

### Propeller 2

- ☐ Fixed Pitch
- ☐ Controllable Pitch
- ☐ Ground Adjustable

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

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

ELT Installed: ☒ Yes ☐ No

If Yes:

ELT Manufacturer: Unknown

Model or Part No.: Unknown

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: Lawrence DunnCity: ShorelineFractional Ownership Aircraft: ☐ Yes ☒ NoState: WA ZIP: 98155Country: U.S.**Operator of Aircraft**☒ Same As Registered Owner☒ Same Address as Registered Owner

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

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

Doing Business As: \_\_\_\_\_

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 ☐ Fire fighting ☐ 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: Orcas Is. AirportDistance From Airport Center: 0 smAirport Identifier: KORSDirection From Airport: 34 degrees trueProximity to Airport: ☐ Off Airport/Airstrip ☒ On Airport/Airstrip ☐ N/AAirport Elevation: 34.7 ft. msl**Runway Information**Runway ID: 34 (L/R/C) Length: 2901 ft Width: 60 ft**Runway/Landing Surface (Check all that apply)**

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

**Condition of Runway/Landing Surface (Check all that apply)**

- ☒ 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/TVOR ☐ 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: Lawrence

City of Residence: Shoreline

Middle Initial: E

State: WA ZIP: 98155

Last Name: Dunn

Country: U.S.

Age at time of Accident/Incident: 59 Date of Birth: 1959 mm/dd/yyyy

Certificate Number:                     

#### Degree of Injury

☒ None
 ☐ Fatal  
☐ Minor
 ☐ Unknown  
☐ Serious

#### Seat Occupied

☒ Left
 ☐ Front
 ☐ Unknown  
☐ Right
 ☐ Rear  
☐ Center
 ☐ Single

#### Restraint Type

| 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            |

#### Inflatable Restraints

☒ Not Installed  
☐ Installed  
☐ Not Deployed  
☐ Deployed  
☐ Unknown

#### Pilot Certificate(s) (Check all that apply)

|                                             |                                            |                                            |                                      |
|---------------------------------------------|--------------------------------------------|--------------------------------------------|--------------------------------------|
| <input type="checkbox"/> None               | <input type="checkbox"/> Flight Instructor | <input type="checkbox"/> Commercial        | <input type="checkbox"/> US Military |
| <input checked="" 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   |                                      |

#### Principal Occupation

☐ Pilot  
☒ Other  
☐ Unknown

#### Medical Certificate

☐ None
 ☒ Class 3  
☐ Class 1
 ☐ Driver's License (Sport Pilot only)  
☐ Class 2
 ☐ Unknown

#### Medical Certificate Validity

☐ Without limitations/waivers
 ☐ Unknown  
☒ With limitations/waivers
 ☐ N/A  
☐ Special Issuance

#### Date of Last Medical

06/14/2018  
 mm/dd/yyyy

#### Medical Certificate Limitations

Must wear corrective lenses for near and distant vision.

#### Medical Certificate Special Issuance

#### Date of Last Flight Review or Equivalent, Including FAR 121/135 Checks:

12/04/2016  
 mm/dd/yyyy

#### Flight Review Aircraft

Make: Piper

Model: Pacer PA-20

#### Airplane Rating(s)

(Check all that apply)  
☐ None  
☒ Single-Engine Land  
☐ Single-Engine Sea  
☐ Multiengine Land  
☐ Multiengine Sea

#### Other Aircraft Rating(s)

(Check all that apply)  
☒ None  
☐ Airship  
☐ Balloon  
☐ Glider  
☐ Gyroplane  
☐ Helicopter  
☐ Powered Lift

#### Instrument Rating(s)

(Check all that apply)  
☒ None  
☐ Airplane  
☐ Helicopter  
☐ Powered Lift

#### Instructor Rating(s)

(Check all that apply)  
☒ None  
☐ Airplane Single-Engine  
☐ Airplane Multi-Engine  
☐ Gyroplane  
☐ Powered Lift  
☐ Instrument Airplane  
☐ Instrument Helicopter  
☐ Helicopter  
☐ Glider  
☐ Sport

#### 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                                                  | 255          | 221               | 255                    | 0                    | 12    | 0          | 10        | 0          | 0      | 0                |
| Pilot in Command (PIC)                                      | 166          | 133               | 166                    | 0                    | 8     | 0          | 0         | 0          | 0      | 0                |
| Time as Instructor                                          | 0            | 0                 | 0                      | 0                    | 0     | 0          | 0         | 0          | 0      | 0                |
| This Make/Model                                             |              |                   |                        |                      | 12    | 0          | 0         |            |        |                  |
| Last 90 Days                                                | 8            | 8                 | 8                      | 0                    | 0     | 0          | 0         | 0          | 0      | 0                |
| Last 30 Days                                                | 6            | 6                 | 6                      | 0                    | 0     | 0          | 0         | 0          | 0      | 0                |
| Last 24 Hours                                               | 1            | 1                 | 1                      | 0                    | 0     | 0          | 0         | 0          | 0      | 0                |

## "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: \_\_\_\_\_

#### Degree of Injury

☐ None   ☐ Fatal  
☐ Minor   ☐ Unknown  
☐ Serious

#### Seat Occupied

☐ Left   ☐ Front   ☐ Unknown  
☐ Right   ☐ Rear  
☐ Center   ☐ Single

#### Restraint Type

##### Available

☐ None  
☐ Lap only  
☐ 3-point  
☐ 4-point  
☐ 5-point  
☐ Unknown

##### Used

☐ None  
☐ Lap only  
☐ 3-point  
☐ 4-point  
☐ 5-point  
☐ Unknown

#### Inflatable Restraints

☐ Not Installed  
☐ Installed  
☐ Not Deployed  
☐ Deployed  
☐ Unknown

#### Pilot Certificate(s) (Check all that apply)

☐ None   ☐ Flight Instructor   ☐ Commercial   ☐ US Military  
☐ Private   ☐ Recreational   ☐ Airline Transport   ☐ Foreign  
☐ Student   ☐ Sport   ☐ Flight Engineer

#### Principal Occupation

☐ Pilot  
☐ Other  
☐ Unknown

#### Medical Certificate

☐ None   ☐ Class 3  
☐ Class 1   ☐ Driver's License (Sport Pilot only)  
☐ Class 2   ☐ Unknown

#### Medical Certificate Validity

☐ Without limitations/waivers   ☐ Unknown  
☐ With limitations/waivers   ☐ N/A  
☐ Special Issuance

#### Date of Last Medical

\_\_\_\_\_ 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: \_\_\_\_\_

#### Airplane Rating(s)

(Check all that apply)

☐ None  
☐ Single-Engine Land  
☐ Single-Engine Sea  
☐ Multiengine Land  
☐ Multiengine Sea

#### Other Aircraft Rating(s)

(Check all that apply)

☐ None  
☐ Airship  
☐ Balloon  
☐ Glider  
☐ Gyroplane  
☐ Helicopter  
☐ Powered Lift

#### Instrument Rating(s)

(Check all that apply)

☐ None  
☐ Airplane  
☐ Helicopter  
☐ Powered Lift

#### Instructor Rating(s)

(Check all that apply)

☐ None   ☐ Instrument Airplane  
☐ Airplane Single-Engine   ☐ Instrument Helicopter  
☐ Airplane Multi-Engine   ☐ Helicopter  
☐ Gyroplane   ☐ Glider  
☐ Powered Lift   ☐ Sport

#### 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: _____<br>Middle Initial: _____ State: _____ ZIP: _____<br>Last Name: _____ Country: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |                                                                                                                                                     |                                                                                                                                                                       | <input type="radio"/> Left <input type="radio"/> Front<br><input type="radio"/> Center <input type="radio"/> Rear<br><input type="radio"/> Right <input type="radio"/> Single<br><input type="radio"/> Unknown                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                            | <input type="radio"/> None<br><input type="radio"/> Minor<br><input type="radio"/> Serious<br><input type="radio"/> Fatal<br><input type="radio"/> Unknown                                                                     |            |                                                                                                                                                                   |  |
| <b>Pilot Certificate(s)</b> (Check all that apply)<br><div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> None<br/> <input type="checkbox"/> Private<br/> <input type="checkbox"/> Student               </div> <div> <input type="checkbox"/> Flight Instructor<br/> <input type="checkbox"/> Recreational<br/> <input type="checkbox"/> Sport               </div> <div> <input type="checkbox"/> Commercial<br/> <input type="checkbox"/> Airline Transport<br/> <input type="checkbox"/> Flight Engineer               </div> <div> <input type="checkbox"/> US Military<br/> <input type="checkbox"/> Foreign               </div> </div> |  |  |                                                                                                                                                     |                                                                                                                                                                       | <b>Restraint Type:</b><br><div style="display: flex;"> <div style="flex: 1;"> <b>Available</b><br/> <input type="radio"/> None<br/> <input type="radio"/> Lap Only<br/> <input type="radio"/> 3-point<br/> <input type="radio"/> 4-point<br/> <input type="radio"/> 5-point<br/> <input type="radio"/> Unknown               </div> <div style="flex: 1;"> <b>Used</b><br/> <input type="radio"/> None<br/> <input type="radio"/> Lap Only<br/> <input type="radio"/> 3-point<br/> <input type="radio"/> 4-point<br/> <input type="radio"/> 5-point<br/> <input type="radio"/> Unknown               </div> </div> |                                                                                                                                                                                                                            | <b>Inflatable Restraints</b><br><input type="checkbox"/> Not Installed<br><input type="checkbox"/> Installed<br><input type="checkbox"/> Not Deployed<br><input type="checkbox"/> Deployed<br><input type="checkbox"/> Unknown |            |                                                                                                                                                                   |  |
| <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: _____<br>Middle Initial: _____ State: _____ ZIP: _____<br>Last Name: _____ Country: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |                                                                                                                                                     |                                                                                                                                                                       | <input type="radio"/> Left <input type="radio"/> Front<br><input type="radio"/> Center <input type="radio"/> Rear<br><input type="radio"/> Right <input type="radio"/> Single<br><input type="radio"/> Unknown                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                            | <input type="radio"/> None<br><input type="radio"/> Minor<br><input type="radio"/> Serious<br><input type="radio"/> Fatal<br><input type="radio"/> Unknown                                                                     |            |                                                                                                                                                                   |  |
| <b>Pilot Certificate(s)</b> (Check all that apply)<br><div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> None<br/> <input type="checkbox"/> Private<br/> <input type="checkbox"/> Student               </div> <div> <input type="checkbox"/> Flight Instructor<br/> <input type="checkbox"/> Recreational<br/> <input type="checkbox"/> Sport               </div> <div> <input type="checkbox"/> Commercial<br/> <input type="checkbox"/> Airline Transport<br/> <input type="checkbox"/> Flight Engineer               </div> <div> <input type="checkbox"/> US Military<br/> <input type="checkbox"/> Foreign               </div> </div> |  |  |                                                                                                                                                     |                                                                                                                                                                       | <b>Restraint Type:</b><br><div style="display: flex;"> <div style="flex: 1;"> <b>Available</b><br/> <input type="radio"/> None<br/> <input type="radio"/> Lap Only<br/> <input type="radio"/> 3-point<br/> <input type="radio"/> 4-point<br/> <input type="radio"/> 5-point<br/> <input type="radio"/> Unknown               </div> <div style="flex: 1;"> <b>Used</b><br/> <input type="radio"/> None<br/> <input type="radio"/> Lap Only<br/> <input type="radio"/> 3-point<br/> <input type="radio"/> 4-point<br/> <input type="radio"/> 5-point<br/> <input type="radio"/> Unknown               </div> </div> |                                                                                                                                                                                                                            | <b>Inflatable Restraints</b><br><input type="checkbox"/> Not Installed<br><input type="checkbox"/> Installed<br><input type="checkbox"/> Not Deployed<br><input type="checkbox"/> Deployed<br><input type="checkbox"/> Unknown |            |                                                                                                                                                                   |  |
| <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)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |                                                                                                                                                     |                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                            |                                                                                                                                                                                                                                |            |                                                                                                                                                                   |  |
| <b>Name and Address</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  | <b>Seat</b>                                                                                                                                         | <b>Injury</b>                                                                                                                                                         | <b>Restraint Type</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                            | <b>Inflatable Restraints</b>                                                                                                                                                                                                   | <b>Age</b> |                                                                                                                                                                   |  |
| First Name: <u>Natalie</u> City: <u>Shoreline</u><br>Middle Initial: <u>M</u> State: <u>WA</u> ZIP: <u>98155</u><br>Last Name: <u>Dahl</u> Country: <u>U.S.</u><br><div style="display: flex; justify-content: space-around; margin-top: 5px;"> <input type="radio"/> Crew    <input checked="" type="radio"/> Passenger    <input type="radio"/> Other           </div>                                                                                                                                                                                                                                                                                                               |  |  | <input type="radio"/> Left<br><input type="radio"/> Center<br><input checked="" type="radio"/> Right<br><input type="radio"/> Unknown<br>Row: _____ | <input checked="" type="radio"/> None<br><input type="radio"/> Minor<br><input type="radio"/> Serious<br><input type="radio"/> Fatal<br><input type="radio"/> Unknown | <b>Available</b><br><input type="radio"/> None<br><input type="radio"/> Lap Only<br><input type="radio"/> 3-point<br><input checked="" type="radio"/> 4-point<br><input type="radio"/> 5-point<br><input type="radio"/> Unknown                                                                                                                                                                                                                                                                                                                                                                                    | <b>Used</b><br><input type="radio"/> None<br><input type="radio"/> Lap Only<br><input type="radio"/> 3-point<br><input checked="" type="radio"/> 4-point<br><input type="radio"/> 5-point<br><input type="radio"/> Unknown | <input checked="" type="checkbox"/> Not Installed<br><input type="checkbox"/> Installed<br><input type="checkbox"/> Not Deployed<br><input type="checkbox"/> Deployed<br><input type="checkbox"/> Unknown                      |            | <input type="checkbox"/> Under 5 years<br>If Under 5,<br><input type="radio"/> Child Restraint<br><input type="radio"/> Lap-Held<br><input type="radio"/> Unknown |  |
| First Name: _____ City: _____<br>Middle Initial: _____ State: _____ ZIP: _____<br>Last Name: _____ Country: _____<br><div style="display: flex; justify-content: space-around; margin-top: 5px;"> <input type="radio"/> Crew    <input type="radio"/> Passenger    <input type="radio"/> Other           </div>                                                                                                                                                                                                                                                                                                                                                                        |  |  | <input type="radio"/> Left<br><input type="radio"/> Center<br><input type="radio"/> Right<br><input type="radio"/> Unknown<br>Row: _____            | <input type="radio"/> None<br><input type="radio"/> Minor<br><input type="radio"/> Serious<br><input type="radio"/> Fatal<br><input type="radio"/> Unknown            | <b>Available</b><br><input type="radio"/> None<br><input type="radio"/> Lap Only<br><input type="radio"/> 3-point<br><input type="radio"/> 4-point<br><input type="radio"/> 5-point<br><input type="radio"/> Unknown                                                                                                                                                                                                                                                                                                                                                                                               | <b>Used</b><br><input type="radio"/> None<br><input type="radio"/> Lap Only<br><input type="radio"/> 3-point<br><input type="radio"/> 4-point<br><input type="radio"/> 5-point<br><input type="radio"/> Unknown            | <input type="checkbox"/> Not Installed<br><input type="checkbox"/> Installed<br><input type="checkbox"/> Not Deployed<br><input type="checkbox"/> Deployed<br><input type="checkbox"/> Unknown                                 |            | <input type="checkbox"/> Under 5 years<br>If Under 5,<br><input type="radio"/> Child Restraint<br><input type="radio"/> Lap-Held<br><input type="radio"/> Unknown |  |
| First Name: _____ City: _____<br>Middle Initial: _____ State: _____ ZIP: _____<br>Last Name: _____ Country: _____<br><div style="display: flex; justify-content: space-around; margin-top: 5px;"> <input type="radio"/> Crew    <input type="radio"/> Passenger    <input type="radio"/> Other           </div>                                                                                                                                                                                                                                                                                                                                                                        |  |  | <input type="radio"/> Left<br><input type="radio"/> Center<br><input type="radio"/> Right<br><input type="radio"/> Unknown<br>Row: _____            | <input type="radio"/> None<br><input type="radio"/> Minor<br><input type="radio"/> Serious<br><input type="radio"/> Fatal<br><input type="radio"/> Unknown            | <b>Available</b><br><input type="radio"/> None<br><input type="radio"/> Lap Only<br><input type="radio"/> 3-point<br><input type="radio"/> 4-point<br><input type="radio"/> 5-point<br><input type="radio"/> Unknown                                                                                                                                                                                                                                                                                                                                                                                               | <b>Used</b><br><input type="radio"/> None<br><input type="radio"/> Lap Only<br><input type="radio"/> 3-point<br><input type="radio"/> 4-point<br><input type="radio"/> 5-point<br><input type="radio"/> Unknown            | <input type="checkbox"/> Not Installed<br><input type="checkbox"/> Installed<br><input type="checkbox"/> Not Deployed<br><input type="checkbox"/> Deployed<br><input type="checkbox"/> Unknown                                 |            | <input type="checkbox"/> Under 5 years<br>If Under 5,<br><input type="radio"/> Child Restraint<br><input type="radio"/> Lap-Held<br><input type="radio"/> Unknown |  |
| First Name: _____ City: _____<br>Middle Initial: _____ State: _____ ZIP: _____<br>Last Name: _____ Country: _____<br><div style="display: flex; justify-content: space-around; margin-top: 5px;"> <input type="radio"/> Crew    <input type="radio"/> Passenger    <input type="radio"/> Other           </div>                                                                                                                                                                                                                                                                                                                                                                        |  |  | <input type="radio"/> Left<br><input type="radio"/> Center<br><input type="radio"/> Right<br><input type="radio"/> Unknown<br>Row: _____            | <input type="radio"/> None<br><input type="radio"/> Minor<br><input type="radio"/> Serious<br><input type="radio"/> Fatal<br><input type="radio"/> Unknown            | <b>Available</b><br><input type="radio"/> None<br><input type="radio"/> Lap Only<br><input type="radio"/> 3-point<br><input type="radio"/> 4-point<br><input type="radio"/> 5-point<br><input type="radio"/> Unknown                                                                                                                                                                                                                                                                                                                                                                                               | <b>Used</b><br><input type="radio"/> None<br><input type="radio"/> Lap Only<br><input type="radio"/> 3-point<br><input type="radio"/> 4-point<br><input type="radio"/> 5-point<br><input type="radio"/> Unknown            | <input type="checkbox"/> Not Installed<br><input type="checkbox"/> Installed<br><input type="checkbox"/> Not Deployed<br><input type="checkbox"/> Deployed<br><input type="checkbox"/> Unknown                                 |            | <input type="checkbox"/> Under 5 years<br>If Under 5,<br><input type="radio"/> Child Restraint<br><input type="radio"/> Lap-Held<br><input type="radio"/> Unknown |  |

## FLIGHT ITINERARY INFORMATION

### Last Departure Point

Airport ID: WA93  
 City: Eliza, Island  
 State: WA  
 Country: U.S.

### Time of Departure

Time: 5:15pm  
 Time Zone: Pacific

### Destination

Airport ID: KORS  
 City: East Sound, Orcas, Is.  
 State: WA  
 Country: U.S.

### Type Flight Plan Filed

☒ None ☐ VFR/IFR  
☐ Company VFR ☐ IFR  
☐ Military VFR ☐ Unknown  
☐ VFR  
 Activated? ☐ Yes ☐ No ☐ Unknown

### Type of ATC Clearance/Service (Check all that apply)

☒ None ☐ Special VFR ☐ Special IFR ☐ VFR Flight Following ☐ Cruise  
☐ VFR ☐ IFR ☐ VFR On Top ☐ Traffic Advisory ☐ Unknown / NA

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

☐ Class A ☐ Class G ☐ Military Operations Area (MOA) ☐ Special  
☐ Class B ☐ Demo Area ☐ Airport Advisory Area ☐ Air Traffic Control Area  
☐ Class C ☐ Warning Area ☐ Jet Training Area ☐ Unknown  
☐ Class D ☐ Prohibited Area ☐ TRSA  
☒ Class E ☐ Restricted Area ☐ FAR 93

### Altitude of In-Flight Occurrence:

0 ft msl

## WEATHER INFORMATION AT THE ACCIDENT/INCIDENT SITE

### Source of Pilot Weather Information

(Check all that apply)

☒ National Weather Service ☐ Company  
☐ Flight Service Station ☐ Military  
☐ TV/Radio ☐ Internet  
☒ Automated Report ☐ None  
☐ Commercial Weather Service (DUATS) ☐ Unknown  
☐ On-Board Weather

### Weather Observation Facility

Facility ID: AWOS-3  
 Observation Time: 5:20pm  
 Time Zone: Pacific  
 Distance from Accident Site: 10 nm  
 Direction from Accident Site: 340 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

### Lowest Cloud Condition Height

                     ft agl

### Ceiling

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

### Ceiling Height

                     ft agl

Temperature:              (C) or 80 (F)

Dew Point:              (C) or              (F)

Altimeter Setting:              in. Hg  
 or              MB

### Wind Direction

☐ Variable

-or-  
 Direction: 310 degrees true

### Wind Speed

☐ Calm  
☐ Light and Variable

-or-  
 Speed: 9 kts

### Wind Gusts

☐ Not Gusting

-or-  
 Speed: 15 kts

Visibility 10+ miles

RVR:              feet

RVV:              miles

Density Altitude:              ft

### Intensity of Precipitation

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

### Type of Precipitation (Check all that apply)

☒ None ☐ Drizzle ☐ Freezing Rain  
☐ Rain ☐ Ice Pellets ☐ Snow Shower  
☐ Snow ☐ Snow Pellets ☐ Ice Pellets Shower  
☐ Hail ☐ Snow Grains ☐ Freezing Drizzle  
☐ Rain Showers ☐ Ice Crystals

### Restriction to Visibility (Check all that apply)

☒ None ☐ Fog  
☐ Blowing Dust ☐ Ground Fog  
☐ Blowing Sand ☐ Haze  
☐ Blowing Snow ☐ Ice Fog  
☐ Blowing Spray ☐ Smoke  
☐ Dust ☐ Unknown

### Icing Forecast

Amount ☒ None ☐ N/A  
☐ Trace ☐ Rime  
☐ Light ☐ Clear  
☐ Moderate ☐ Mixed  
☐ Severe ☐ Unknown  
☐ Unknown

### Icing Actual

Amount ☒ None ☐ N/A  
☐ Trace ☐ Rime  
☐ Light ☐ Clear  
☐ Moderate ☐ Mixed  
☐ Severe ☐ Unknown  
☐ Unknown

### Turbulence

Type (Check all that apply) ☐ None ☐ Light  
☐ Clear Air ☐ Moderate  
☒ Terrain-Induced ☐ Severe  
☐ Convective Turbulence ☐ Extreme

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

None

**DAMAGE TO AIRCRAFT AND OTHER PROPERTY****Aircraft Damage**

- ☐ None      ☒ Substantial  
☐ Minor      ☐ Destroyed  
                 ☐ Unknown

**Aircraft Fire**

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

**Aircraft Explosion**

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

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

Off the runway, hit the grass at apex of ground-loop, left gear leg folded, left wing fold at upright, prop strike, and damaged elevator.

**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.

Departed Eliza Is.(Bellingham Bay), @5:15pm to the North Winds 20+(wind-sock)from the North. Turned West, turbulence from South end of Lummi Is.; held altitude of 1800'

More turbulence from South end of Orcas Is. Checked AWOS for winds from NW, 9G15, (felt like more)

Turned North at south end of East Sound, for a 5 mile final, straight in 34.

Side slip to numbers, leveled winds, bounced, applied a few more RPM's for second bounce. Raised flaps, second bounce had a few little bounces, veered right, gound-looped.

**RECOMMENDATION (How could this accident/incident have been prevented?)**

Operator/Owner Safety Recommendation

Go around!

**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**

\_\_\_\_\_ Hours

\_\_\_\_\_ Cycles

**Time Since This Part  
Inspected/Overhauled**

\_\_\_\_\_ Hours

**FUEL & SERVICES INFORMATION**

**Fuel on Board at Last Takeoff**  
(Convert from pounds, as necessary)

\_\_\_\_\_ Gallons

**Fuel Type**☐ 80/87☐ 115/145☐ Jet B☐ Other, specify \_\_\_\_\_☒ 100 Low Lead☐ Jet A☐ JP8☐ 100/130☐ Jet A-1☐ Automotive**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

Front right door, two souls.

**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☐ Minor☐ Substantial☐ 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**

08/24/2018

*mm/dd/yyyy*

**Name of Pilot/Operator:** Lawrence Dunn

**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.**  
GAA18CA441

**Reviewed by NTSB Regional Office**  
GAA

**Name of Investigator**  
Eleazar Nepomuceno

**Date Report Received**  
8/24/2019