

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: Coolin State: ID

ZIP: 83821 Country: USA

Latitude: 48-31-07.20N Longitude: 116-49-19.90W

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

Accident/Incident Date/Time

Date: 09/10/2017 Local Time: 2:44pm

mm/dd/yyyy

Time Zone: pacific

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

AIRCRAFT INFORMATION

Registration Number: N5703A

Manufacturer: Cessna

Model: C172

Serial Number: 28303

Year of Manufacture: 1956

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

☐ IFR-Equipped and Certified

☐ Commercial Space Flight

☐ Unmanned Aircraft

Maximum Gross Weight: 2200 lbs

Weight at Time of Accident/Incident: 2175 lbs

Number of Seats: 4 Flight Crew Seats: 2

Cabin Crew Seats: _____ Passenger Seats: 2

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

☐ Amphibian

☐ Emergency Float

☐ Float

☐ Hull

☐ Other Launch/Recovery System

☐ None

☐ Tailwheel

☐ High Skid

☐ Skid

☐ Ski

☐ Ski/Wheel

☐ Unknown

Engine Type (Select one)

☒ Reciprocating

☐ Turbo Shaft

☐ Turbo Prop

☐ Turbo Jet

☐ Turbo Fan

☐ Electric

☐ Liquid Rocket

☐ Solid Rocket

☐ Hybrid Rocket

☐ None

☐ Unknown

Fuel System Type (Reciprocating)

☒ Carburetor

☐ Fuel-Injected

Engine	Engine Manufacturer	Engine Model/Serial	Manufacturer's Serial Number	Date of Mfg. <i>mm/dd/yyyy</i>	Rated Power ☒ Horsepower or ☐ lbs of Thrust	Total Time (hours)	Time Since: Inspection (hours)	Overhaul (hours)
Eng. 1	Continental	O-300	10922-D-5-a	03/22/1956	145	2810	18	47
Eng. 2								
Eng. 3								
Eng. 4								

Last Inspection Type

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

Date Last Inspection: 06/08/2017

mm/dd/yyyy

Airframe Total Time: 2810 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: McCauley

Model: 1A170

Propeller 2

☐ Fixed Pitch

☐ Controllable Pitch

☐ Ground Adjustable

Manufacturer: _____

Model: _____

ELT Installed: ☒ Yes ☐ No

If Yes:

ELT Manufacturer: EBC

Model or Part No.: 102A

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: Jack HohnerFractional Ownership Aircraft: ☐ Yes ☒ NoCity: SpokaneState: WAZIP: 99212Country: USA**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 ☐ 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: Cavanaugh BayAirport Identifier: 66SProximity to Airport: ☐ Off Airport/Airstrip ☒ On Airport/Airstrip ☐ N/ADistance From Airport Center: .35 smDirection From Airport: 05 degrees trueAirport Elevation: 2484 ft. msl**Runway Information**Runway ID: 33 (L/R/C) Length: 3100 ft Width: 120 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: Jack

City of Residence: Spokane

Middle Initial: B

State: WA ZIP: 99212

Last Name: Hohner

Country: USA

Age at time of Accident/Incident: 63 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

12/16/2015
mm/dd/yyyy

Medical Certificate Limitations

Must have available glasses for near vision

Medical Certificate Special Issuance

**Date of Last Flight Review
or Equivalent, Including
FAR 121/135 Checks:** 04/05/2016
mm/dd/yyyy

Flight Review Aircraft

Make: Cessna

Model: C172

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	325	176	325		11		14			
Pilot in Command (PIC)	289	176			8		0			
Time as Instructor	0									
This Make/Model										
Last 90 Days	21									
Last 30 Days	9									
Last 24 Hours	3									

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

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

First Name: John

City of Residence: Spokane

Middle Initial: F

State: WA ZIP: 99212

Last Name: Beecher

Country: USA

Age at time of Accident/Incident: 72 Date of Birth: mm/dd/yyyy

Certificate Number: [REDACTED]

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) <i>(Check all that apply)</i> ☐ 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 <u>05/19/1987</u> <i>mm/dd/yyyy</i>	

Medical Certificate Limitations

Medical Certificate Special Issuance

Date of Last Flight Review or Equivalent, Including FAR 121/135 Checks:	Flight Review Aircraft
01/01/1987 mm/dd/yyyy	Make: Cessna Model: C177

Airplane Rating(s) <i>(Check all that apply)</i> ☐ None ☒ Single-Engine Land ☐ Single-Engine Sea ☐ Multiengine Land ☐ Multiengine Sea	Other Aircraft Rating(s) <i>(Check all that apply)</i> ☒ None ☐ Airship ☐ Balloon ☐ Glider ☐ Gyroplane ☐ Helicopter ☐ Powered Lift	Instrument Rating(s) <i>(Check all that apply)</i> ☒ None ☐ Airplane ☐ Helicopter ☐ Powered Lift	Instructor Rating(s) <i>(Check all that apply)</i> ☒ None ☐ Airplane Single-Engine ☐ Airplane Multi-Engine ☐ Gyroplane ☐ Powered Lift ☐ Instrument Airplane ☐ Instrument Helicopter ☐ Helicopter ☐ Glider ☐ Sport
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Type Ratings	Student Endorsements <i>(Include dates)</i>

[illegible]

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

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

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

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: <u>Renee</u> City: <u>Spokane</u>	☒ Left	☐ None	Available	Used	☐ Under 5 years
Middle Initial: <u>J</u> State: <u>WA</u> ZIP: <u>99212</u>	☐ Center	☐ Minor	☐ None	☐ None	
Last Name: <u>Hohner</u> Country: <u>USA</u>	☐ Right	☐ Serious	☒ Lap Only	☒ Lap Only	
☐ Crew ☒ Passenger ☐ Other	☐ Unknown	☐ Fatal	☐ 3-point	☐ 3-point	
	Row: _____	☐ Unknown	☐ 4-point	☐ 4-point	
			☐ 5-point	☐ 5-point	
			☐ Unknown	☐ Unknown	
					☒ Not Installed
					☐ Installed
					☐ Not Deployed
					☐ Deployed
					☐ Unknown
					☐ Under 5 years
					☐ Child Restraint
					☐ Lap-Held
					☐ Unknown
First Name: <u>Kathv</u> City: <u>Spokane</u>	☐ Left	☐ None	Available	Used	☐ Under 5 years
Middle Initial: <u>I</u> State: <u>WA</u> ZIP: <u>99206</u>	☐ Center	☐ Minor	☐ None	☐ None	
Last Name: <u>Klydon</u> Country: <u>USA</u>	☒ Right	☐ Serious	☒ Lap Only	☒ Lap Only	
☐ Crew ☐ Passenger ☐ Other	☐ Unknown	☐ Fatal	☐ 3-point	☐ 3-point	
	Row: _____	☐ Unknown	☐ 4-point	☐ 4-point	
			☐ 5-point	☐ 5-point	
			☐ Unknown	☐ Unknown	
					☒ Not Installed
					☐ Installed
					☐ Not Deployed
					☐ Deployed
					☐ Unknown
					☐ Under 5 years
					☐ Child Restraint
					☐ Lap-Held
					☐ Unknown
First Name: _____ City: _____	☐ Left	☐ None	Available	Used	☐ Under 5 years
Middle Initial: _____ State: _____ ZIP: _____	☐ Center	☐ Minor	☐ None	☐ None	
Last Name: _____ Country: _____	☐ Right	☐ Serious	☐ Lap Only	☐ Lap Only	
☐ Crew ☐ Passenger ☐ Other	☐ Unknown	☐ Fatal	☐ 3-point	☐ 3-point	
	Row: _____	☐ Unknown	☐ 4-point	☐ 4-point	
			☐ 5-point	☐ 5-point	
			☐ Unknown	☐ Unknown	
					☐ Not Installed
					☐ Installed
					☐ Not Deployed
					☐ Deployed
					☐ Unknown
					☐ Under 5 years
					☐ Child Restraint
					☐ Lap-Held
					☐ Unknown
First Name: _____ City: _____	☐ Left	☐ None	Available	Used	☐ Under 5 years
Middle Initial: _____ State: _____ ZIP: _____	☐ Center	☐ Minor	☐ None	☐ None	
Last Name: _____ Country: _____	☐ Right	☐ Serious	☐ Lap Only	☐ Lap Only	
☐ Crew ☐ Passenger ☐ Other	☐ Unknown	☐ Fatal	☐ 3-point	☐ 3-point	
	Row: _____	☐ Unknown	☐ 4-point	☐ 4-point	
			☐ 5-point	☐ 5-point	
			☐ Unknown	☐ Unknown	
					☐ Not Installed
					☐ Installed
					☐ Not Deployed
					☐ Deployed
					☐ Unknown
					☐ Under 5 years
					☐ Child Restraint
					☐ Lap-Held
					☐ Unknown

FLIGHT ITINERARY INFORMATION

Last Departure Point Airport ID: <u>66S</u> City: <u>Coolin</u> State: <u>ID</u> Country: <u>USA</u>	Time of Departure Time: <u>2:45pm</u> Time Zone: <u>pacific</u>	Destination Airport ID: <u>KSFF</u> City: <u>Spokane</u> State: <u>WA</u> Country: <u>USA</u>	Type Flight Plan Filed ☒ None ☐ VFR/IFR ☐ Company VFR ☐ IFR ☐ Military VFR ☐ Unknown ☐ VFR Activated? ☐ Yes ☒ No ☐ Unknown
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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: <u>2590</u> 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: <u>n.a.</u> Observation Time: _____ Time Zone: _____ Distance from Accident Site: _____ nm Direction from Accident Site: _____ degrees true
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Basic Conditions ☒ VMC ☐ IMC ☐ Unknown	Light Condition ☐ Dawn ☐ Dusk ☐ Dark Night ☐ Unknown ☒ Day ☐ Night ☐ Bright Night
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Sky/Lowest Cloud Condition ☐ Clear ☐ Thin Broken ☒ Few ☐ Thin Overcast ☐ Partial Obscuration ☐ Unknown ☐ Scattered Lowest Cloud Condition Height <u>7000</u> ft agl	Ceiling ☐ None (Clear) ☐ Obscured ☒ Broken ☐ Indefinite ☐ Overcast ☐ Unknown Ceiling Height <u>10,000</u> ft agl	Temperature: _____ (C) or <u>72</u> (F) Dew Point: _____ (C) or <u>42</u> (F) Altimeter Setting: <u>30.6</u> in. Hg or _____ MB
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Wind Direction ☒ Variable -or- Direction: _____ degrees true	Wind Speed ☒ Calm ☐ Light and Variable -or- Speed: _____ kts	Wind Gusts ☐ Not Gusting -or- Speed: <u>15</u> kts	Visibility <u>25</u> miles RVR: _____ feet RVV: _____ miles Density Altitude: <u>2600</u> ft
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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
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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
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NOTAMS (D and FDC), AIRMETs, SIGMETs, PIREPs in effect at the time of the accident/incident:

Forest fire TFR's to north and north east

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)*

The entire aircraft was damaged except for the vertical and horizontal tails.

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.

Myself, my wife and two friends made the 45 minute flight from Spokane, WA to Cavanaugh Bay airport on Priest Lake. The strip is on the south end of the large lake. It is a very popular destination for pilots. It is a beautiful spot and has a very nice restaurant on the lake front. I have landed at this strip many times in my Cessna. We landed on runway 15. The runway has an aggressive slope from the south end heading downward toward the lake, over 2% grade. Pilots often land uphill to the south and take off downhill to the north depending on wind conditions. The landing was very good and my passengers all complimented me.

We landed at 11:45 a.m. and ate lunch at the restaurant. Following lunch we walked on the lake shore and docks. The entire time I took note of the winds. It was mostly calm with an occasional strong gust. At 2:30 p.m. we headed back to the airplane. The winds were still mostly calm with an occasional gust from the south. I asked my friend and pilot which runway he preferred. He said downhill (runway 33) and I agreed. Our plan was to do a short scenic flight over the lake and then head back to my base airport, Spokane, KSFF.

The strip is 120 feet wide with tall pine trees (75 feet) on both sides. It sits in a valley with large mountains on the east and west sides. We taxied to the south end. I did the engine run up and control check. All was good. I took note of the windsock and it indicated calm air. I performed a soft field take off as the strip was sod. I deployed 10 degrees of flaps, held the brakes, applied full power and input up elevator. When the engine was at full speed I released the brakes. The take-off roll was normal and I kept the nose wheel just kissing the turf. We were off in less than 1000 feet. The strip is 3100 feet long. Both myself and my pilot/friend noticed the windsock was still indicating calm as we flew past it. The climb was normal and we were at 100 feet agl by midfield. I was holding the nose at normal climb angle. A scan of the tachometer showed full power and I had the throttle locked at full power. I also always keep my hand on the throttle during take off and climb out. The airspeed was dropping below 70mph. I applied a little nose down elevator as I keep the airplane at best rate of climb - 72 to 74 mph. My climb had slowed and I looked again at the tach and airspeed. Power was good, however airspeed was now around 65 mph. I applied more forward pressure and observed we were now losing altitude.

In the next few seconds we descended quickly and impacted 30 feet from the end of the runway. The aircraft slid off the end of the runway, across a 30 foot wide asphalt road, down an 8 foot bank and then slid on its nose 50 feet across a gravel parking lot. We fortunately missed buildings, a heavy steel dumpster and a large above ground propane tank. The top side of the aircraft slammed into a 7 foot tall heavy duty wood fence. The fence effectively absorbed our momentum energy.

People were at the wreck almost immediately. They quickly helped us out of the aircraft. Fuel was flowing from a broken line on the firewall. The aircraft was mostly intact. The right main landing gear leg was ripped from the plane. The engine mount was broken and skewed about 30 degrees to the right. The front window and a few of the side windows were shattered.

Shoulder straps helped prevent injury of myself in the front left seat and the passenger in the front right seat. My wife in the left rear suffered a broken collar bone. The passenger in the rear right seat was not injured. The rear passengers only had lap belts.

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

Since the accident several pilots have commented on how the winds at the Cavanaugh Bay airport can be troublesome. Some had experienced themselves turbulence that nearly downed them. My flight medical doctor had a very serious crash taking off from this strip about five years ago. And I have since heard of other crashes.

I monitored the winds close. However, I never imagined that the winds I observed could cause the rapid descent that we experienced. In hindsight, it would have been wise to wait perhaps another few hours before take off and hope that the occasional gusts subsided. Post crash, as we were there for 3 hours, I noticed the gusts did vanish. This would be around 6:00 p.m. and the sun was getting low

My flight guide mentions nothing of the turbulent risks of this strip. I have since found a website that reviews the Idaho mountain strips and does advise caution at this strip. The strip averages 67 operations a week during the summer months. This implies it is rare for the turbulence to cause an accident...but it does happen.

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**

2810 Hours

Cycles

**Time Since This Part
Inspected/Overhauled**

47 Hours

FUEL & SERVICES INFORMATION

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

15 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

The two rear passengers exited first. They went through the left door opening and were assisted by bystanders. The right front passenger exited next through the opening left by the shattered windshield. She was also helped by bystanders and myself pushing from behind. I exited last, through the windshield opening, and with help from bystanders.

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

09-19-2017

mm/dd/yyyy

Name of Pilot/Operator: Jack B Hopper

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.

GAA17CA526

Reviewed by NTSB Regional Office

GAA

Name of Investigator

ADAM GERHARDT

Date Report Received

9/21/2017