NATIONAL TRANSPORTATION SAFETY BOARD NTSB Form 6120.1 PILOT/OPERATOR AIRCRAFT ACCIDENT/INCIDENT REPORT

Email the pilot/operator aircraft accident/incident report to the investigator-in-charge of your accident/incident. If email is not available, mail the report per the instructions below.

If your accident/incident occurred in Maine, Vermont, New Hampshire, Massachusetts, Connecticut, Rhode Island, New York, New Jersey, Pennsylvania, Maryland, Delaware, Virginia, West Virginia, Kentucky, Tennessee, North Carolina, South Carolina, Mississippi, Alabama, Georgia, Florida, the District of Columbia, Puerto Rico, or the US Virgin Islands, send the form to: NTSB, ERA, 45065 Riverside Parkway, Ashburn, VA 20147.

If your accident/incident occurred in Ohio, Michigan, Indiana, Wisconsin, Illinois, Minnesota, Iowa, Missouri, Arkansas, Louisiana, North Dakota, South Dakota, Nebraska, Kansas, Oklahoma, Texas, Colorado, or New Mexico, send the form to: NTSB, CEN, 4760 Oakland Street, Suite 500, Denver, CO 80239.

If your accident/incident occurred in Montana, Wyoming, Idaho, Utah, Arizona, Nevada, Washington, Oregon, California, Hawaii, or the territories of Guam or American Samoa, send the form to: NTSB, WPR, 505 South 336th Street, Suite 540, Federal Way, WA 98003.

If your accident/incident occurred in Alaska, send the form to: NTSB, ANC, 222 West 7th Avenue, Room 216, Box 11, Anchorage, AK 99513.

Rules pertaining to notification of aircraft accidents and incidents, as well as overdue aircraft are found in 49 *Code of Federal Regulations* (CFR) Part 830 http://www.ecfr.gov/cgi-bin/text-idx?c=ecfr&tpl=/ecfrbrowse/ Title49/49cfr830_main_02.tpl. These rules state the authority of the NTSB, define accidents, incidents, injuries, and other terms, and provide procedures for initial and immediate notification of accidents and incidents by aircraft pilots/operators.

A. APPLICABILITY

The pilot/operator of an aircraft shall send a report to the office listed above, based on accident/incident location; immediate notification is required by 49 CFR 830.5(a). The report shall be filed within 10 days after an accident for which notification is required by Section 830.5, or after 7 days if an overdue aircraft is still missing.

An aircraft accident, as defined in 49 CFR 830.2, is determined as an occurrence that involves a fatality or serious injury, or substantial damage to the aircraft. For occurrences that do not involve a fatality, the determination that the occurrence is an accident can be appealed by writing to the Director, Office of Aviation Safety, NTSB, 490 L'Enfant Plaza, S.W., Washington, D.C. 20594.

The NTSB uses this form for aircraft accident prevention activities and for statistical purposes. NTSB regulations (49 CFR Part 830) require that ALL questions be answered completely and accurately. Completion of this form will take approximately 60 minutes. The NTSB does not guarantee the privacy of any information provided in this form. You need not complete this form unless it displays a valid OMB control number, in accordance with 5 C.F.R. § 1320.5(b), which applies to this collection of information.

B. DEFINITIONS

- 1. "Aircraft Accident" means an occurrence associated with the operation of an aircraft that takes place between the time any person boards the aircraft with the intention of flight and all such persons have disembarked, and in which any person suffers death, or serious injury, or in which the aircraft receives substantial damage. For purposes of this form, the definition of "aircraft accident" includes "unmanned aircraft accident," as defined at 49 CFR 830.2.
- 2. "Substantial Damage" means damage or failure that adversely affects the structural strength, performance or flight characteristics of the aircraft, and that would normally require major repair or replacement of the affected component. NOTE: Engine failure or damage limited to an engine if only one engine fails or is damaged, bent fairing or cowling, dented skin, small puncture holes in the skin or fabric, ground damage to rotor or propeller blades, and damage to landing gear, wheels, tires, flaps, engine accessories, brakes, or wing tips are not considered "substantial damage" for purposes of this report.
- 3. "Operator" means any person who causes or authorizes the operation of an aircraft, such as the owner, lessee, or bailee of an aircraft.
- 4. "Fatal Injury" means any injury that results in death within thirty (30) days of the accident.
- 5. "Serious Injury" means any injury that (1) requires hospitalization for more than 48 hours, commencing within 7 days from the date the injury was received; (2) results in a fracture of any bone (except simple fracture of fingers, toes, or nose); (3) causes severe hemorrhages, nerve, muscle, or tendon damage; (4) involves injury to any internal organ; or (5) involves second- or third-degree burns, or any burns affecting more than 5 percent of the body surface.

INSTRUCTIONS TO PILOTS/OPERATORS FOR COMPLETING THIS FORM

It is necessary that ALL questions on this report be answered completely and accurately. If more space is needed, continue on a blank sheet of paper.

Nearest City/Place: Use the name of the nearest community in the state where the accident/incident occurred.

Date/Time: Indicate the date and local time of the event. Be sure to indicate the time zone.

Phase of Operation: Indicate the phase of operation during which the accident/incident occurred.

Aircraft Information: Enter aircraft make and model information as indicated on the aircraft registration certificate, including series. If the involved aircraft is certified as "amateur-built," include the name of the producer of the kit or plans, unless an NTSB employee instructs otherwise.

Maximum Gross Weight: Enter the certificated maximum gross weight for the aircraft involved in the occurrence. This should be the same as the maximum gross weight indicated on the aircraft weight and balance documents.

Engine: Enter engine make and model information as indicated on the engine data plate.

Type of Fire Extinguishing System: If a fire extinguishing system was used to fight an aircraft fire, specify the type(s) of extinguishing system(s) used. Examples include handheld extinguisher, engine fire bottle, cargo/baggage compartment fire suppression system, or airport emergency ground equipment.

Owner/Operator Information: Enter the owner information as shown on the registration certificate. Commercial operators, enter the operator information, including "doing business as" when applicable, as shown on the operator certificate.

Revenue Sightseeing Flight: Indicate whether the accident aircraft was conducting revenue sightseeing operations under 14 CFR Part 91 at the time of the accident

Air Medical Flight: Indicate whether the accident flight was being conducted for the purpose of carrying medical personnel, patient(s), or organs.

Public Aircraft: Federal, state or local government flight operations such as official travel, law-enforcement, low-level observation, aerial application, firefighting, search and rescue, biological or geological resource management, or aeronautical research. Indicate whether the flight was conducted by the armed forces, federal, state, or local government.

Purpose of Flight: 14 CFR Parts 91, 103, 133, 136, and 137: Indicate the type of operation that was being conducted at the time of the occurrence using the following definitions:

AERIAL APPLICATION--Operations using an aircraft to perform aerial application or dispersion of any substance. Examples include agricultural, health, forestry, cloud seeding, firefighting, insect control, etc.

AERIAL OBSERVATION--These flights include aerial mapping/photography, patrol, search and rescue, hunting, highway traffic advisory, ranching, surveillance, oil and mineral exploration, criminal pursuit, fish spotting, etc.

AIR DROP--Aerial operations, other than aerial application, that are intended to release items in flight.

AIR RACE/SHOW--Includes any flight operations conducted as part of an organized air race or public demonstration.

BUSINESS--includes all personal flying without a paid professional crew for reasons associated with furthering a business, including transportation to and from business meetings or work. This does not include corporate/executive operations, air taxi, or commuter operations.

EXECUTIVE/CORPORATE--Company flying with a paid professional crew.

FERRY--Non-revenue flight under a special flight or "ferry" permit. Refer to 14 CFR 21.197 for details of special flight permit issuance.

FLIGHT TEST--Flight for the purpose of investigating the flight characteristics of an aircraft/aircraft component or evaluating an applicant for a pilot certificate or rating.

INSTRUCTIONAL--Flying while under the supervision of a flight instructor or receiving air carrier training. Personal proficiency flight operations and personal flight reviews, as required by federal air regulations, are excluded.

OTHER WORK USE--Miscellaneous flight operations conducted for compensation or hire such as construction work (not 14 CFR Part 135 operation), parachuting, aerial advertising, towing gliders, etc.

PERSONAL--Flying for personal reasons (excludes business transportation) including pleasure or personal transportation. This also includes practice or proficiency flights performed under flight instructor supervision and not part of an approved flight training program.

POSITIONING--Non-revenue flight conducted for the primary purpose of relocating the aircraft. Examples include moving the aircraft to a maintenance facility or to load passengers or cargo etc.

UNKNOWN--Use only if the primary purpose of flight is not known.

Other Aircraft—Collision: For all accidents involving a collision with another aircraft, including parked aircraft, check "Collision with other aircraft" under Basic Information and complete this section indicating details about the OTHER aircraft involved in the collision.

Airport Information: Complete this section if the accident/incident occurred on approach, landing, takeoff, departure, or within 3 statute miles of an airport. Please refer to the FAA Airport/Facility Directory or other official source for airport information.

Airport Identifier: Provide the official 3 or 4 character airport identifier number.

 $\it Runway: Indicate the number of the runway used, including L, R, or C if applicable.$

Runway/Landing Surface: Indicate the type of intended runway/landing surface (do not indicate surface conditions). If the surface type was mixed, check all that apply.

Condition of Runway/Landing Surface: Indicate the condition of the intended runway/landing surface. If multiple conditions existed at the time of the accident, check all that apply.

Weather Information at the Accident/Incident Site: Indicate the weather conditions reported at the accident/incident site at the time of occurrence. If no weather reporting was available for the accident/incident site, indicate the reported conditions at the nearest reporting site. Specify the weather reporting site identifier, the observation time, and distance from the accident/incident.

Sky/Lowest Cloud Condition: Indicate the height above ground level of the lowest cloud condition present at the time of the accident/incident and whether coverage was reported as few, scattered, broken or overcast. Also indicate the height above ground level and coverage of the lowest cloud ceiling present at the time of the accident/incident (reported as broken or overcast).

NOTAMS (*D* and *FDC*), *AIRMETs*, *SIGMETs*, *PIREPs*: Describe all NOTAMS (distant (D) or Flight Data Center (FDC), if known), AIRMETs, SIGMETs, and PIREPs in effect near the accident/incident.

Flight Crewmember Information: Indicate the category that best describes the capacity served by this flight crewmember at the time of the accident. The designators "Flight Crewmember 1" and "Flight Crewmember 2" do not refer to a specific pilot position or responsibility. If more than one pilot is aboard, they may be entered in any order and their capacity entered as appropriate.

Degree of Injury: See Definitions on the top half of Page 1 of the instructions. Minor injury is not defined. If an injury does not meet the criteria for another injury category, select Minor.

Date of Last Flight Review or Equivalent: Enter the date of the most recent flight review, or equivalent, completed by this pilot. Refer to 14 CFR 61.56 for accepted equivalents.

Type Ratings: List all type ratings on the pilot certificate. If the pilot holds no type ratings indicate "none." If the pilot holds a pilot certificate other than student and was flying an aircraft requiring an endorsement, enter the type and date of any logbook endorsement(s) for that aircraft. See 14 CFR 61 for examples of required endorsements.

Student Endorsements: If the pilot holds a student pilot certificate, enter all solo endorsements and dates on the student pilot certificate.

Flight Time: Complete the flight time matrix. Solo flight time should be included as "Pilot-in-Command (PIC)" and all dual flight instruction given should be included as "Time as Instructor."

Additional Flight Crewmembers: Complete this section if there were more than two required flight crewmembers on the aircraft. This also includes a check airman performing official duties but does not include cabin crew. State the capacity served by each included crewmember at the time of the accident.

Passenger(s)/Other Personnel: Enter identification and injury severity information for all passengers, cabin crew, and other personnel involved in the accident. See Page 1 of the instructions for the official definition of injury levels.

Several questions throughout the form allow for multiple responses; when appropriate, choose all responses that apply.

These instructions only pertain to major issue areas covered by NTSB Form 6120.1 *Pilot/Operator Aircraft Accident/Incident Report*. For additional definitions of questions and responses, please refer to www.ntsb.gov.

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 IN	IFORMA	TION											
Accident/Inc	cident Loca	ation					Accident/Incident Date/Time						
Nearest City/Pl	lace: Mack	cinac Island	d .		_ State: <u>N</u>	<u>/II</u>	Date	e: <u>02/2</u>	26/2018	Lo	cal Time:	7:45	
ZIP: <u>49757</u>	C	ountry: Uni	ted States					mm/de	d/yyyy	т:.	me Zone: <u> </u>	Eactorn	
Latitude:			Longitude:							111	ine Zonei	Lastern	
(Ente	er in decima	l degrees or a	legrees:minutes:sec	conds)			Col	llision with	Other Air	craft: C) Midair	OOn-groun	d O None
AIRCRAF	T INFO	RMATIO	N										
Registration	Number:	N7122J						☑ IFR-Equip	-				
Manufacture	er: Piper						☐ Commercial Space Flight ☐ Unmanned Aircraft						
Model: PA-3	32-260						Ma	aximum Gr	oss Weigh	t: <u>3400</u>		lbs	
Serial Numb	oer:						W	eight at Tin	ne of Accid	lent/Inci	dent:		_lbs
Year of Man	nufacture:	1973					Nu	ımber of Se	ats: <u>5</u>		Flight Cre	w Seats: 1	
Amateur-Bu			Kit/Plans Mak	ke:			Cal	bin Crew Sea	ts:		Passenger	Seats: 4	
	ONo		Original Design					ımber of Er	ngines:				
Category of	Aircraft	Type of A (Check all to	irworthiness Ce	rtificate		Landing Ge (Check all tha		nh.)		_	Type (Se		d Doolsot
AirplaneBalloon		Standar	** **					actable		O Turb	procating o Shaft	O Solid	d Rocket Rocket
OBlimp/Dirig	gible	☑ Norma				 ✓ Tricycle			ailwheel	O Turb	o Prop		d Rocket
OGlider OGyroplane		☐ Aeroba☐ Balloo				— Amphibia	n		igh Skid	OTurb OTurb		ONone OUnkn	
OHelicopter		☐ Comm	uter	pecial Flight				oat 🔲S	kid	OElectric		01111	
OPowered Lift ☐ Transport ☐ Experimental ☐ Float ORocket ☐ Utility ☐ Special Light-Sport ☐ Hull			□Float □Hull			ki ki/Wheel				,			
OUltralight		— 0 	Experir				1./	_			stem Type uretor	(Reciprocation (Recip	
OUnknown			of Authorization	or Waiver	(COA)		incn/	Recovery Sys		Carb	uicioi	Oruei-	injected
1		□None		Unknown	 	☐ None	_	Date	nknown Rated Pow	or	Total	Time	Since
			Engine		Manufa	acturer's		of Mfg.	O Horser	ower or		Inspection	
	gine Manufa	cturer	Model/Series		Serial N	Number	+	mm/dd/yyyy	O lbs of	Thrust _	(hours)	(hours)	(hours)
Eng. 1 Lycol	oming		O-540-E4B5				+		260				
Eng. 3							\pm						
Eng. 4													
Last Inspect	tion Type			Propell	er 1	○Fixed P ○Control	110pener 2				Ditah		
⊙ 100-Hour	OCont.	inuous Airwo				•	l Adjustable			OControllable Pitch OGround Adjustable			
O AAIP		litional Inspec	etion	Manufac	turer:	lartzel			Manı	Manufacturer:			
O Annual	O Unkr		240	Model:					Mode	el:			
Date Last In	ispection: _	1/26/20 mm/dd/yy		ELT In:	stalled:	OYes O	No			-	ipment (Check all that	apply)
Airframe To	otal Time:		hrs	If Yes:					□ AD	S-B Frame Para	chute		
	asured at (Se				nufactur Part No	er:			_		ck Indicato	r	
OLast Ins	spection	OTime of A	ccident/Incident			 (121.5 MHz) C) C91	la (121.5 MH	Z) Aut	opilot a Recorde			
Type of Maintenance Program (Select one) OC126 (406 MH							`				Handheld De	vice	
					unted in aircra					ltifunction			
O Manufacturer's Inspection Program Was EL Did EL					nected to anter		OYes ONG		dheld GP	mary Fligh S	t Dispiay		
O Other Approved Inspection Program (AAIP) O Continuous Airworthiness Did ELT Activate? If activated:				. 0165 01	·NO			ds Up Dis					
O Other, spec						ocating Aircra	ft: (OYes ONo		oard Wea	ther cing Device	:	
Description					tivated:				□Stal	1 Warning	System		
O None O Specify:		_		Indicate	Reason:	Impact Dat		:		eo Record er, Specify	ing Device		
O specify.						☐ Fire Damaş ☐ Battery Exp		l/Damaged		, Specify			
						Unknown		-0					

OWNER/OPERATOR INFORMATION									
Registered Aircraft Owner		City: St. Ignace							
Name: Great Lakes Air, Inc.		State: MI ZIP: 49781							
Fractional Ownership Aircraft: O Yes O	No	Country: United States							
Operator of Aircraft	gistered Owner	☑ Same Address as Registered Owner							
Name: Great Lakes Air, Inc.		City:							
Doing Business As:		State: ZIP:							
Air Carrier/Operator Designator (4 Character	er Code):	Country:							
Operating Certificates Held (Check all that apply)	Regulation Flight Conducted Un	Revenue Operation for FAR 121, 125, 129, 135 (Select one for each group)							
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)	OFAR 91 OFAR 129 OFAR 6 OFAR 103 OFAR 133 OFAR 6 OFAR 121 OFAR 135 OFAR 6 OFAR 125 OFAR 137 OFAR 6 OFAR 91 Special Flight ONon-US, Commercial	R 431 Non-Scheduled or Air Taxi International R 435							
☐ 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	O Non-US, Non-commercial O Public Aircraft (Select one)	Purpose of Flight for FAR 91, 103, 133, 137 (Select one) O Aerial Application OFirefighting OUnknown O Aerial Observation OFlight Test O Air Drop OGlider Tow O Air Race/Show OInstructional O Banner Tow Other Work Use O Business OPersonal O Executive/Corporate OPositioning							
Revenue Sightseeing Flight	Air Medical Flight	O External Load O Skydiving O Ferry							
O Yes O No	O Yes O No								
AIRPORT INFORMATION (Fill in	if accident/incident occurred on app	pproach, landing, takeoff, departure, or within 3 miles of an airport)							
Airport Name: Mackinac Island Airport Airport Identifier: KMCD Proximity to Airport: O Off Airport/Airstri		Distance From Airport Center: sm Direction From Airport: degrees true Airport Elevation: ft. msl							
Runway Information		Condition of Runway/Landing Surface (Check all that apply)							
Runway ID: 26 (L/R/C) Length: 35 Runway/Landing Surface (Check all that & Check all that &	<i>apply)</i> dam □ Water I/Wood _	☑ 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,)								
OTaxi OVFR Departure OTakeoff OIFR Departure Proc OInitial Climb	On Instrument Appelure/Clearance	Approach OBase OFinal OCrosswind OCrosswind ODownwind OGo Approach OGo Around OAborted Landing (after touchdown) OUnknown							
IFR Approach (Check all that apply)		VFR Approach (Check all that apply)							
		□None							
□None									
□None □ADF/NDB □PAR □SDF □Sidestep □VOR/TVOR □ILS □VOR/DME □Localizer Only □TACAN □LOC-back course □RNAV	☐MLS ☐Practice ☐LDA ☐GPS ☐ASR ☐Visual ☐Contact ☐Circling ☐Unknown	☑ 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" Res Pilot O Co-Pilot	ponsibilities at t O Student Pilot	the Time of OFlight In			cident Check Pil	ot	O Fligl	ht Engineer	O Other 1	Flight Crew		
"Flight Crewmember 1" was	pilot flying	∃Yes □ N	lo									
"Flight Crewmember 1" Ide	ntification											
First Name: Forrest						Ci	ity of Re	esidence: <u>S</u>	t. Ignace			
Middle Initial: G						St	ate: Mi	chigan		ZIP: <u>4978</u>	1	
Last Name: Krueger						С	ountry:	United St				
Age at time of A	Accident/Inciden	t: 28	D	ate of B	Birth:		,		m/dd/yyyy			
		Ce	- ertifica	ate Num	nber:							
Degree of Injury	Seat Occupie					== Resti	raint Ty	vpe			Inflatable F	Restraints
							Available Used O None O None O Lap only O Lap only				✓ Not Installed	
Pilot Certificate(s) (Check all	that apply)						⊙ 3-poi		O2-point	,	☐ Not De	ployed
□ None □ Flight In □ Private □ Recreati □ Student □ Sport	onal	ommercial irline Transpo light Engineer	ort [□ US Mi □ Foreig			O 4-poir O 5-poir O Unkn	nt	O 4-point O 5-point O Unknow	vn	☐ Deploye	
Principal Occupation M	ledical Certifica	ite				Medi	ical Cer	tificate Va	lidity		Date of Las	st Medical
O Other	Class 1	Class 3 Driver's Licei Unknown	nse (Sp	oort Pilot	only)	ŏw		nitations/wai ntions/waivers nance		Inknown I/A	10/07/1 mm/dd/yy	
Medical Certificate Limitation	ons											
None												
Medical Certificate Special I	ssuanca											
N/A	ssuance											
Date of Last Flight Review		Flight	Revi	ew Airc	raft							
or Equivalent, Including	01/16/2019	Make:	Pipe	r								
FAR 121/135 Checks:	01/16/2018 mm/dd/yyyy			32-260								
Airplane Rating(s)	Other Aircraft				ent Ratin	ıg(s)		Instructo	r Rating(s)			
(Check all that apply)	(Check all that ap)				l that apply			(Check all				
None	□ None			None				☐ None	a: 1 E		Instrument .	
☑ Single-Engine Land☑ Single-Engine Sea	☐ Airship ☐ Balloon			☑ Airpla:☑ Helico					e Single-Eng e Multi-Engi		Instrument : Helicopter	Helicopter
Multiengine Land	☐ Glider			Power				☐ Gyropla	ine		Glider	
☐ Multiengine Sea	☐ Gyroplane ☐ Helicopter							☐ Powered	d Lift		Sport	
	☐ Powered Lift											
Type Ratings								Student E	Indorsemei	nts (Include	dates)	
None												
THE LATES OF			Air	plane		1		Insti	rument			
Flight Time (Enter appropriate number of hours in each box)	All Aircraft	This Make & Model		ngle gine	Airplar Multieng		Night	Actual	Simulated	Rotorcraft	Glider	Lighter Than Air
Total Time	2,621		2.11	2,109		512	-9*					
Pilot in Command (PIC)	2,494											
Time as Instructor	565					_						
This Make/Model												
Last 90 Days	243											
Last 30 Days	104											
Last 24 Hours	1							1		1		

"FLIGHT CREWMEMBER 2" INFORMATION											
"Flight Crewmember 2" Responsibilities at the Time of Accident/Incident OPilot OCo-Pilot OStudent Pilot OFlight Instructor OCheck Pilot OFlight Engineer OOther Flight Crew											
"Flight Crewmember 2" v	vas pilot flying 🔲 Y	es 🔲 No	o								
"Flight Crewmember 2" I	dentification										
First Name:					City of I	Resid	dence:				
	Middle Initial:								IP:		
	f Accident/Incident:						<i>mm</i>				
Age at time o	17 recident/meident.		ficate Numb					aa yyyy			
Degree of Injury	Seat Occupied	Cerui	ilcate Nullib		Restraint	Tyn	<u> </u>		1	nflatable R	actrainte
O None O Fatal OLeft OFront OUnknown									1	iiiiatabie N	estramis
O Minor O Unknown O Serious		Availa O No O La	ne		Used O None O Lap only	,	□ Not Inst				
Pilot Certificate(s) (Check	all that apply)				O 3-1	oint		O 3-point		☐ Not Dep	
	t Instructor		US Mil		O 4-1 O 5-1			O 4-point O 5-point		☐ Deploye☐ Unknow	
☐ Private ☐ Recre		e Transport Engineer	☐ Foreign	¹	O Ur			O Unknow	'n		
- Student - Sport											
Principal Occupation	Medical Certificate				Medical (Certi	ificate Val	•		Date of Las	t Medical
O Pilot	O None O Class		a (Cm ant Dilat	aulu)			tations/waiv ons/waivers		nknown		
O Other O Unknown	O Class 1 O Driv O Class 2 O Unk		e (Sport Pilot	only)	O Special			O N	'A	mm/dd/yy	yy
Medical Certificate Limits					•				<u> </u>		
Medical Certificate Specia	al Issuance										
Medical Certificate Specia	ii issuance										
Date of Last Flight Review	XY	Flight D	Review Airci	no ft							
or Equivalent, Including											
FAR 121/135 Checks:											
	mm/dd/yyyy	Model: _									
Airplane Rating(s) (Check all that apply)	Other Aircraft Ra (Check all that apply)		Instrume (Check all				nstructor Check all th				
□ None	□ None		None		<i>y)</i>	,	□ None	11 //		Instrument A	irnlane
☐ Single-Engine Land	☐ Airship		☐ Airplar	ne		[☐ Airplane	Single-Engin	e 🗆	Instrument H	
☐ Single-Engine Sea☐ Multiengine Land	☐ Balloon ☐ Glider		☐ Helicop ☐ Powere				☐ Airplane ☐ Gyroplan	Multi - Engine		Helicopter Glider	
☐ Multiengine Sea	☐ Gyroplane		Liowere	ou Liit			Powered			Sport	
	☐ Helicopter☐ Powered Lift										
Type Ratings	☐ Foweled Lift					 	Student Er	dorsement	s (Include de	ates)	
Type Ratings							rudent Ei	dorsement	5 (memae ac	iicsj	
Flight Time (Enter appropri	iate All Thi	s Make	Airplane Single	Airpla	ne		Insti	ument			Lighter
number of hours in each box)		Model	Engine	Multien		ht	Actual	Simulated	Rotorcraft	Glider	Than Air
Total Time											
Pilot in Command (PIC)											
Time as Instructor											
This Make/Model											
Last 90 Days											
Last 30 Days											
Last 24 Hours					1		1			1	

ADDITIONAL FLIGHT CREWMEMBERS (Exclusive of cabin crew, complete the following information)									
Crew Name and Add	ress						Seat Occupie	d	Injury
First Name: Middle Initial: Last Name:		State	:		ZIP:		O Left O Center O Right	O Front O Rear O Single O Unknown	O None O Minor O Serious O Fatal O Unknown
Pilot Certificate(s) (Check all that apply) None							Restraint Ty Available O None O Lap Only O 3-point O 4-point O 5-point O Unknown	ve: Used O None O Lap Only O 3-point O 4-point O 5-point O Unknown	Inflatable Restraints Not Installed Installed Not Deployed Deployed Unknown
		_							
Crew Name and Add	ress						Seat Occupie		Injury
First Name: City of Residence: Middle Initial: State: ZIP: Last Name: Country:							OLeft OCenter ORight	O Front O Rear O Single O Unknown	O None O Minor O Serious O Fatal O Unknown
Pilot Certificate(s) (Check all that apply) □ None □ Flight Instructor □ Commercial □ US Military □ Private □ Recreational □ Airline Transport □ Foreign □ Student □ Sport □ Flight Engineer Type Rating/Endorsement for Total Flight Time at the Time						Restraint Ty Available O None O Lap Only O 3-point O 4-point O 5-point	Used O None O Lap Only O 3-point O 4-point O 5-point	Inflatable Restraints Not Installed Installed Deployed Unknown	
Accident/Incident Air					dent:		O Unknown	O Unknown	CHRIOWII
PASSENGER(S) /	OTHER PERSO	NNEL (I	nclude c	abin crew; c	ontinue on s	eparate shee	t if necessary)	Inflatable	T
Name and Address				Seat	Injury	Restraint T		Restraints	Age
First Name: Middle Initial: Last Name: OCrew	State:	ZIP:	<u> </u>	OLeft OCenter ORight OUnknown Row: 1	None Minor Serious Fatal Unknown	Available ONone OLap Only ③3-point O4-point O5-point OUnknown	3-point4-point5-point		☐ Under 5 years If Under 5, O Child Restraint O Lap-Held O Unknown
First Name: Middle Initial: Last Name: OCrew	State:	ZIP:		●Left OCenter ORight OUnknown Row: 2	None Minor Serious Fatal Unknown	Available ONone OLap Only O3-point O4-point O5-point OUnknown	Used O None Lap Only 3-point 4-point 5-point Unknown	☑ Not Installed ☐ Installed ☐ Not Deployed ☐ Deployed ☐ Unknown	☐ Under 5 years If Under 5, ○ Child Restraint ○ Lap-Held ○ Unknown
First Name: Middle Initial: Last Name: OCrew	State:	ZIP:		OLeft OCenter ORight OUnknown Row: 2	None Minor Serious Fatal Unknown	Available O None O Lap Only O 3-point O 4-point O 5-point O Unknown	Used O None Lap Only 3-point 4-point 5-point Unknown	✓ Not Installed ☐ Installed ☐ Not Deployed ☐ Deployed ☐ Unknown	☐Under 5 years If Under 5, ○ Child Restraint ○ Lap-Held ○ Unknown
First Name: Middle Initial: Last Name:	State:	ZIP:	<u> </u>	OLeft OCenter ORight OUnknown Row: 3	NoneMinorSeriousFatalUnknown	Available ONone OLap Only O3-point O4-point O5-point OUnknown	Used O None Lap Only 3-point 4-point 5-point	✓ Not Installed ☐ Installed ☐ Not Deployed ☐ Deployed ☐ Unknown	☐ Under 5 years

FLIGHT ITINERARY	/ INFORMATIC	N							
Last Departure Point	Tiı	ne of Departure	Destination	on		Type Fligh	t Plan F	iled	
Airport ID: 83D		7.20	Airport ID:	KMCD		None		O VFR/IFR	
City: Saint Ignace	Tin	ne: <u>7:30</u>	City: Mac	kinac Island		O Company		O IFR	
State: Michigan	Tin	ne Zone: Eastern	State: Mic			O Military O VFR	VFK	O Unknown	
Country: United States	-			Inited States		_	OYes	ONo OUnknown	
Type of ATC Clearance/S	ervice (Chack all the	et annly)	country.	The States	·				
✓ None	☐ Special VFR		ecial IFR		☐ VFR Flight Foll	owing	☐ Crui	se	
☐ VFR	☐ IFR		R On Top		☐ Traffic Advisory	y	☐ Unkı	nown / NA	
Airspace where the accide							Altitu	de of In-Flight	
☐ Class A ☐ Class B	☑ Class G ☐ Demo Area		itary Operations port Advisory A		☐ Special ☐ Air Traffic Cont	rol Aron	Occui	rrence:	
	☐ Warning Area		Training Area	ica	Unknown	ioi Aica	74	1 ft msl	
☐ Class D	☐Prohibited Area	☐ TR							
	Restricted Area	☐ FA							
WEATHER INFORM		E ACCIDEN	T/INCIDEN						
Source of Pilot Weather I	nformation				servation Facility	7			
(Check all that apply) National Weather Service	□ Co	mnany		Facility ID: M	CD				
☐ Flight Service Station	☐ Mi			Observation Ti	me:				
☐ TV/Radio	□ Inte			Time Zone:					
Automated ReportCommercial Weather Servi	□ No ce (DUATS) □ Un			Distance from A	Accident Site:		nm		
☐ On-Board Weather	cc (DOA13) 🔲 OII	KIIOWII		Direction from	Accident Site:		_ degrees	s true	
Basic Conditions		Light Conditi	ion	•					
⊙ VMC		⊙ Dawn	O Dusk	O Dark		nknown			
OIMC		O Day	O Night	O Brig	nt Night				
O Unknown		1			1				
Sky/Lowest Cloud Condit Clear	OThin Broken	Ceiling None (Clear)		Obscured	Temperature:		(C) or _	(F)	
O Few	O Thin Overcast	O Broken		Indefinite	Dew Point: _	(C	c) or _	(F)	
O Partial Obscuration	O Unknown	O Overcast	O Overcast O Unknown			ina.	:	Па	
O Scattered						Altimeter Setting: in. Hg or MB			
Lowest Cloud Condition	_	Ceiling Heigh	t	0 1					
	ft agl			ft agl					
Wind Direction	Wind Speed	•	Wind Gusts	,	Visibility		miles		
□ Variable	☐ Calm		☐ Not Gustin	ng	RVR	:			
	☐ Light and Var	riable			RVV	,	miles		
-or- Direction: degrees tru	e Speed:	kts	-or- Speed:	kts	Density Altitu		innes	ft	
Intensity of Precipitation		itation (Check all i			Restriction to		The object of	_	
O Light	✓ None	Drizzle	<i>nai appiy)</i> □ Freezin	a Dain	✓ None	Visibility (C		наі арріу)	
O Moderate	Rain	Ice Pellets	☐ Snow S	g Kalli Shower	☐ Blowing Du	ıst 🔲 🤇	Ground Fo	og	
O Heavy	\square Snow	☐ Snow Pellet			☐ Blowing Sa		Haze		
ON/A OUnknown	☐ Hail ☐ Rain Showers	☐ Snow Grain☐ Ice Crystals		ig Drizzle	☐ Blowing Sn☐ Blowing Sp		ce Fog Smoke		
Olikilowii	La Raili Siloweis	ice Crystais	i		Dust		Jnknown		
Icing Forecast		Icing Actual			Turbulence				
Amount Type		Amount	Type		Type (Check a	ll that apply)		verity	
O None O N/A O Trace O Rime		O None O Trace	O N/A O Rime		□None □Clear Air			Light Moderate	
O Light O Clear		O Light	O Clear		☐ Terrain-Indi			Severe	
O Moderate O Mixe		O Moderate	O Mixe		☐ Convective	Turbulence		Extreme	
O Severe O Unkn O Unknown	own	O Severe O Unknown	O Unkr	nown					
	AIDMET CIC		~ : CC	4h a 42		al a u. 4 :			
NOTAMs (D and FDC)	, AIKWIE IS, SIG	IVIE IS, PIKEP	s in effect at	the time of th	ie accident/inci	uent:			

DAMAGE	TO AIRCRAFT A	ND OTHER PRO	OPERTY		
Aircraft Dai		Aircraft Fire	JFLKI I	Aircraft Explosion	
O None O Minor	SubstantialDestroyed	None In-Flight	O Both Ground and In-Flight O Fire at Unknown Time	NoneIn-Flight	O Both Ground and In-Flight O Explosion at Unknown Time
O Willion	O Unknown	On-Ground	O Unknown	O On-Ground	O Unknown
Description	of Damage to Aircraft a	nd Other Property	(Use additional sheet if necessary)		
Visible dama	age to the right main la	nding gear, right wir	ngtip, right tip of the stabilator, righ	nt side wing flap, and	I the step.
NADDATI	E HISTORY OF FLI	CUT (Disease tours a			
	E HISTORY OF FLI		g circumstances leading to and nati	ura of agaidant/ingida	nt Describe terroin and include
wreckage di		ent. Attach extra shee	ets if needed. State departure time and		
			aircraft handling. When I touched		
aircraft on th	ne ground as gentle as	was possible. After	. As I continued I realized that the the wing touched down I reduced	throttle to idle and n	naintained directional control
with the rud	der. Once the aircraft s	topped I proceeded	with shutdown and then disemba	rked the passengers	and their bags.

RECOMMENDATION (How	could this	accident/incident ha	ave been pre	vented?)			
Operator/Owner Safety Recomm	endation						
N/A							
MECHANICAL MALFUI	VCTION/I	-ΔII LIRF (If mor	re enace ie n	eeded co	ontinue on sens	rate sheet)	
Was there Mechanical Malfun			e space is ii	eeded, cc	Titilide on sepai	rate sneet,	Total Time/Cycles
(If yes, list the name of the part, man			scribe the failu	ıre.)			On Part
							Hours
							Cycles
							Time Since This Part Inspected/Overhauled
							Inspected/Overnauled
							Hours
FUEL & SERVICES INF	ORMATI						
Fuel on Board at Last Takeoff (Convert from pounds, as necessary)		Fuel Type O 80/87	O 115/145		O Jet B	O Other, specify	
	Gallons	O 100 Low Lead	O Jet A		O JP8	Other, speerly	
Other Seminar if Ame Driem to		O 100/130	O Jet A-1		O Automotive		
Other Services, if Any, Prior to	Departure						
EVACUATION OF AIRC	RAFT						
Was an emergency evacuation	of the aircr	aft performed?	☐ Yes	☑ No			
Method of Exit – Describe how	the occupan	ts exited and how ma	any occupant	s evacuate	ed each location		
Front three passengers exited	d out the rig	ht front door. Back	passenger	exited ou	it the left rear d	oor.	
OTHER AIRCRAFT - C	OLLISIO	N (If air or ground	collision occ	curred. co	mplete this sect	tion for <i>other</i> aircra	ft)
Aircraft Registration Number		urer:				ъ	nage to Other Aircraft
An erate Registration Number						L L	Destroyed
Registered Owner of Other Air					Other Aircraft		Substantial None
Name:							
City:				City:			
State: ZIP:				State:		ZIP:	
Country:				Country	:		

ADDITIONAL INFORMATION (Please type or print in ink)								
Use this space if addi	tional space	is needed for any answers.						
I HEREBY CERTIF	Y THAT TH	IE ABOVE INFORMATION IS COMPLE	ETE AND ACCURATE TO THE BEST OF I	MY KNOWLEDGE				
Date of this Report	Name of l	Pilot/Operator: Forrest Krueger						
03/06/2018		:						
mm/dd/yyyy	_	✓ Check here to electronically sign this c						
14 D 01 1								
1	_	erator is Filing Report						
or □C	heck here to	electronically sign this document						
		FOR NTSB (USE ONLY					
NTSB Accident/Inci	dent No.	Reviewed by NTSB Regional Office	Name of Investigator	Date Report Received				
CEN18LA112		Central Region	Jennifer S Rodi	3/6/2018				