# NATIONAL TRANSPORTATION SAFETY BOARD PILOT/OPERATOR AIRCRAFT ACCIDENT/INCIDENT REPORT This form to be used for reporting civil and public aircraft accidents and incidents

DACK			seu loi rep	orang				anorare					
										<b>D</b> :			
5.0 M 2	nt/Incident Loc					41		cident/Incid					
	City/Place: Cold	100 100 100			_ State: <u>N</u>	//	Da	te: 02/2		Lo	cal Time:	1:47 p.m.	
ZIP:         49036         Country:         United States           Latitude:         41.9334889         Longitude:         85.052308							mm/de	t/yyyy	Ti	me Zone:	EST		
Latitude	0.000 01 01 0		10 10 10 10 10 10 10 10 10 10 10 10 10 1	(three a									
	(Enter in decima	l degrees or a	legrees:minutes:sec	conds)			Co	ollision with	Other Air	craft: C	) Midair	OOn-groun	d <b>O</b> None
AIRC	RAFT INFO	RMATIO	N										
Registr	ation Number:	N374JW						☑ IFR-Equip □ Commerci					
Manufa	acturer: Comn	nander						Unmanned					
Model:	114B						Μ	laximum Gr	oss Weigh	t: 3,250		lbs	
Serial N	Number: 1459	5					W	eight at Tin	ne of Accie	lent/Inci	dent: <u>3,</u> 1	07	lbs
Year of	Manufacture:	1993					N	umber of Se	ats: <u>4</u>		Flight Cre	w Seats: 1	
Amateu	Ir-Built: OYes		OKit/Plans Mal	ke:				abin Crew Seat					
	⊙No	(	Original Design				N	umber of Er	igines: <u>1</u>				
Catego	ry of Aircraft		irworthiness Ce	rtificate		Landing Ge				Engine	e Type (Se		
⊙ Airpl		(Check all t				(Check all the				• Reci	procating		d Rocket
OBallo OBlim	on Dirigible	✓ Norma		ted		12-12-12-12	Ret	ractable		O Turb	o Shaft	O Solid	d Rocket
OGlide	The second s	Aerob				Tricycle			ailwheel	OTurb		ONone	20 M 10 M 20 M 20 M 20 M 20 M 20 M 20 M
OGyro		Balloo				Amphibia			igh Skid	OTurb	o Fan	OUnkn	own
OHelic OPowe	•	Comm Transp				□Emergend □Float	cy Fl	loat □SI □SI		OElec	tric		
ORock		Utility		l Light-Spo	ort				ki/Wheel	Fuel Sv	stam Tuna	(Reciprocatin	<b>1</b> (1)
OUltra		-	Experi	mental Lig	ht-Sport						uretor		-
OUnknown		or Waiver (COA)			unch	/Recovery Sys			uretor	O Fuel-	injecteu		
	~	None		Unknown		✓ None			nknown		m . 1		
			Engine		Manuf	acturer's		Date of Mfg.	<ul> <li>Rated Pow</li> <li>Horse</li> </ul>		Total Time	Time Inspection	
Engine	Engine Manufa	cturer	Model/Series			Number		mm/dd/yyyy	O lbs of		(hours)	(hours)	(hours)
Eng. 1	Lycoming		IO-540-T4B5		L25069	-48A	_	08/11/1993	260		1,889	7	-
Eng. 2													
Eng. 3													
Eng. 4				Propell		OFixed F	Pitch		Duan	allan 2		Fixed Pitch	
	spection Type			Propen	er I	<ul> <li>Control</li> </ul>			гтор	eller 2		Controllable I	Pitch
	our OCont						d Adjustable OGround Adjustable						
O AAIP O Annu		ditional Inspect nown	ction	2000-000 T	and the second	AcCauley	Manufacturer:						
	ast Inspection:		019	-	B3D320		. 67%		Mod				
	101	mm/dd/yy		ELT In:	stalled:	⊙Yes O	No				ipment (	Check all that	apply)
	ne Total Time:		hrs	If Yes: ELT Manufacturer: Emerging Lifesaving Ta									
	rs measured at (S					: ELT 406 0			Angle of Attack Indicator				
Clast hispection Of the of Accident/ficident			Second the Strategy and		(121.5 MHz) C			Autopilot					
Type of Maintenance Program (Select one)					(406 MHz)				<ul> <li>Data Recorder</li> <li>☑ Electronic Flight Bag or Handheld Device</li> </ul>				
⊙ Annual			Was EL	Г still mo	unted in aircra	aft?	OYes ONo	Ele	Electronic Multifunction Display				
					nected to ante		? OYes ONo	Electronic Primary Flight Display					
	Approved Inspec		(AAIP)			? OYes O	No		Handheld GPS Heads Up Display				
	nuous Airworthin	ess		If active		ocating Aircra	I Onboard Weather						
	; specify:		<u>St</u>		ctivated:	ocating Affera	aft: OYes ONO Satellite Tracking Device						
O None	otion of Fire Ex	tinguishing	System	Indicate		Impact Da	mee	ie.			ing Device		
	ify: Hand Held	Halon				Fire Dama				er, Specify			
						Battery Ex		d/Damaged					
						🗹 Unknown							

OWNER/OPERATOR INFORM	ATION	
Registered Aircraft Owner		City: White Pigeon
Name: Patrick M. Murphy		State: MI ZIP: 49099
Fractional Ownership Aircraft: O Yes C	) No	Country: United States
<b>Operator of Aircraft</b> Same As Re	gistered Owner	Same Address as Registered Owner
Name:		City:
Doing Business As:		State: ZIP:
Air Carrier/Operator Designator (4 Charact	er Code):	Country:
<b>Operating Certificates Held</b> (Check all that apply)	Regulation Flight Conducted Un	der Revenue Operation for FAR 121, 125, 129, 135 (Select one for each group)
<ul> <li>None</li> <li>Flag Carrier Operating Certificate (FAR 121)</li> <li>Supplemental</li> <li>Air Cargo</li> <li>Foreign Air Carriers (FAR 129)</li> <li>Rotorcraft External Load (FAR 133)</li> </ul>	OFAR 121 OFAR 135 OFAR OFAR 125 OFAR 137 OFAR OFAR 91 Special Flight	431 435 O Non-Scheduled or Air Taxi O International
Commuter Air Carrier (FAR 135)	ONon-US, Commercial ONon-US, Non-commercial	O Mail Contract Only
<ul> <li>On-Demand Air Taxi (FAR 135)</li> <li>Commercial Air Tour (FAR 136)</li> <li>Agricultural Aircraft (FAR 137)</li> <li>Pilot School (FAR 141)</li> <li>Certificate of Authorization or Waiver (COA)</li> <li>Commercial Space Transportation Experimental Permit</li> <li>Commercial Space Transportation License</li> <li>Other Operator of Large Aircraft</li> </ul>	OPublic Aircraft (Select one) O Armed Forces	Purpose of Flight for FAR 91, 103, 133, 137         (Select one)         O Aerial Application       O Firefighting         O Aerial Observation       O Flight Test         O Air Drop       O Glider Tow         O Air Race/Show       O Instructional         O Banner Tow       O Other Work Use         O Business       O Personal
		O Executive/Corporate O Positioning O External Load O Skydiving
<b>Revenue Sightseeing Flight</b> O Yes O No	Air Medical Flight O Yes O No	O Ferry
AIRPORT INFORMATION (Fill in	if accident/incident occurred on app	proach, landing, takeoff, departure, or within 3 miles of an airport)
Airport Name: Branch County Memor	ial Airport	Distance From Airport Center:sm
Airport Identifier: KOEB		Direction From Airport: degrees true
Proximity to Airport: O Off Airport/Airstri	p On Airport/Airstrip ON/A	Airport Elevation: <u>958</u> ft. msl
Runway Information		Condition of Runway/Landing Surface (Check all that apply)
Runway ID: 22 (L/R/C) Length: 3,         Runway/Landing Surface (Check all that all all all all all all all all all a	apply) adam 🔲 Water Il/Wood	DrySnow-CompactedWater-CalmHolesSnow-CrustedWater-ChoppyIce CoveredSnow-DryWater-GlassyRoughSnow-WetWetRubber DepositsSoftSlush-CoveredVegetationUnknown
Approach/Departure Segment (Select one	)	
OTaxi OTakeoff OInitial Climb	OOn Instrument Ap OLanding	proach ODownwind OLow Approach OBase OGo Around OFinal OAborted Landing (after touchdown) OCrosswind OUnknown
IFR Approach (Check all that apply)		VFR Approach (Check all that apply)
ADF/NDB       PAR         SDF       Sidestep         VOR/TVOR       ILS         VOR/DME       Localizer Only         TACAN       LOC-back course         RNAV	MLSPracticeLDAGPSASRVisualContactCircling	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       Unknown

"FLIGHT CREWMEMBER 1" INFORMATION										
"Flight Crewmember 1" Responsibilities at the Time of Accident/Incident O Pilot O Co-Pilot O Student Pilot O Flight Instructor O Check Pilot O Flight Engineer O Other Flight Crew										
"Flight Crewmember 1" was	pilot flying	□Yes ☑ N	No							
"Flight Crewmember 1" Iden	tification									
First Name: Patrick				C	ity of Res	sidence: <u>N</u>	/hite Pigeo	n		
Middle Initial: M				S	tate: MI			ZIP: 49099	)	20
Last Name: Murphy					0.000	United St				8
Age at time of A	Accident/Incide	ent: 70	Date of B		oundy.		m/dd/yyyy			2
rige ut time of r	reerdent merd	10 million (1997)	ertificate Num	-						
Degree of Injury	Seat Occup	0.55			traint Ty				Inflatable F	lastuainta
• None • • Fatal	⊙ Left	O Front	O Unknow	vn	2		•• •		Innatable F	testraints
O Minor O Unknown O Serious	O Right O Center	O Rear O Single	<b>U</b>		Available O None O Lap on		Used ONone OLap only	v	☑ Not Inst	
Pilot Certificate(s) (Check all a	that apply)				⊙ 3-poin	t	⊙3-point		Not Dep	oloyed
□ None □ Flight Ins		Commercial	US M	litary	O4-poin		O 4-point O 5-point		Deploye	
<ul> <li>✓ Private</li> <li>☐ Recreation</li> <li>☐ Student</li> <li>☐ Sport</li> </ul>		Airline Transp Flight Enginee		n	O 5-point O Unkno		O Unknov	vn		VII
		T fight Elignet			_					
Principal Occupation M	edical Certifi	cate		Med	lical Cert	ificate Va	lidity		Date of Las	t Medical
		Class 3		-		itations/wai		nknown	00/00/00	10
		Driver's Lice Unknown	ense (Sport Pilot		pecial Issu	ions/waivers	S ON	/A	<u>03/02/20</u> mm/dd/yy	
Medical Certificate Limitatio								I		
Must wear corrective lenses for		at vision								
Madical Cantificate Special Is										
Medical Certificate Special Is	suance									
N/A										
Data of Loot Flight Designs			. <b>D</b>	e.						
Date of Last Flight Review or Equivalent, Including		1000	t Review Airc							
FAR 121/135 Checks:	01/26/2018		: Commande	er						
	mm/dd/yyyy		I: 114B							
	Other Aircra (Check all that a			ent Rating(s)			r Rating(s)			
None	✓ None	ирріу)	None	l that apply)		(Check all i ✓ None	that apply)	E	Instrument	Airplane
Single-Engine Land	□ Airship		🗹 Airpla	ne			e Single-Eng		Instrument	
<ul> <li>Single-Engine Sea</li> <li>Multiengine Land</li> </ul>	□ Balloon □ Glider		☐ Helico ☐ Power			□ Airplan □ Gyropla	e Multi-Engi		Helicopter Glider	
☐ Multiengine Sea	Gyroplane			eu Liit		□ Powere			Sport	
	<ul> <li>Helicopter</li> <li>Powered Lif</li> </ul>								-	
Type Ratings		l				Student F	ndorsemer	ts (Include	dates)	
N/A						Student	muor semer	its (menuae)	uules)	
122 F0291 SD12										
Flight Time (Enter appropriate	All	This Make	Airplane Single	Airplane		Inst	rument			Lighter
number of hours in each box)	Aircraft	& Model	Engine	Multiengine	Night	Actual	Simulated	Rotorcraft	Glider	Than Air
Total Time	1783	1,682	1,783		114	-	79		-	
Pilot in Command (PIC)	1,702	1,682	1,702		114	34	79			
Time as Instructor										
This Make/Model	0	0	0							
Last 90 Days	8	8	8		0		0			
Last 30 Days	3	3	3		0	0	0			
Last 24 Hours										

"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" was	pilot flying	🗹 Yes 🗖	No								
"Flight Crewmember 2" Iden	tification										
First Name: Edwin				C	ity of Re	eside	nce: Tel	konsha			
Middle Initial: C					ate: MI				IP: 49092		
Last Name: Shumway									n. <u>43032</u>	E	
Age at time of A	ooidant/Inoidan	+. 70	Date of Bi		ountry:	05		/dd/yyyyy			
Age at time of A	celdent/melden	1000		2 C				aayyyy			
Degrees of Inium	Seat Occupi		rtificate Numb		tugint T	-	_			nflatable R	
<b>Degree of Injury</b> O None O Fatal	Seat Occupi OLeft	OFront	OUnknow	m	traint T					inflatable R	estraints
Minor O Unknown     Serious	Right     Center	ORear OSingle	-		Availab O Non	e		O None		Not Inst	
Pilot Certificate(s) (Check all t	hat apply)				O Lap ⊙ 3-po			<ul> <li>Lap only</li> <li>3-point</li> </ul>	/	□ Installed □ Not Dep	
□ None	1910-2011 1910-2011	Commercial	🗖 US Mi	litary	O 4-po	int		O 4-point		Deploye	d
□ Private □ Recreation	onal 🗖 /	Airline Transpo	ort 🔲 Foreign		O 5-po O Unk		,	O 5-point O Unknow	m	Unknow	'n
Student Sport		Flight Enginee			<b>U</b> UIIK		-				
Principal Occupation M	edical Certific	ate		Me	dical Ce	ertifi	icate Val	lidity	3	Date of Las	t Medical
		Class 3					tions/waiv		nknown		
U o until		Driver's Lice Unknown	nse (Sport Pilot	only)	Vith limit special Is		ns/waivers	O N	/A	03/05/20 mm/dd/yy	
O Unknown O Medical Certificate Limitatio	•••••••	Olikilowii			opeciai is	suanc					//
Must have available glasses for	near vision										
Medical Certificate Special Is	suance										
N/A											
Constraints of the											
Date of Last Flight Review		Flight	Review Airc	raft							
or Equivalent, Including	00/40/0000		Cessna								
FAR 121/135 Checks:	02/19/2020 mm/dd/yyyy	Model	and and a second								
Airplane Rating(s)	Other Aircraf		20.000	ent Rating(s	)	Ins	structor	Rating(s)			
	(Check all that a		2008/00/07 000 000	that apply)	() 	- 2012-2013	heck all th	0.,			
	□ None		□ None				None			Instrument A	
<ul> <li>Single-Engine Land</li> <li>Single-Engine Sea</li> </ul>	Airship Balloon		Airplan					Single-Engin Multi-Engine		Instrument H Helicopter	elicopter
Multiengine Land	Glider		D Power				Gyroplan			Glider	
☐ Multiengine Sea	Gyroplane Gyropter						Powered	Lift		Sport	
	Powered Lift										
Type Ratings						Stu	udent En	ndorsement	s (Include d	ates)	
N/A						N/A	A.				
			Airplane				Inct	rument			
Flight Time (Enter appropriate number of hours in each box)	All Aircraft	This Make & Model	Single	Airplane Multiengine	Nigh	. ト	Actual	Simulated	Rotorcraft	Glider	Lighter Than Air
Total Time	3,610	& Model 54	Engine 3,610	manuengine		04	Actual	Simulated	Rotorerait	Giuer	A HAU ALI
Pilot in Command (PIC)	3,432	50	3,432		1						
Time as Instructor	0,102		1,386			+					
This Make/Model						$\neg$					
Last 90 Days						$\neg$					
Last 30 Days	10		10			$\neg$					
Last 24 Hours		2									

	ADDITIONAL FLIGHT CREWMEMBERS (Exclusive of cabin crew, complete the following information)								
Crew Name and Addr	ess						Seat Occupie	d	Injury
First Name: Middle Initial: Last Name:		State	e:	nce: 2	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) (Ch None Private Student Type Rating/Endorser Accident/Incident Airc	<ul> <li>Flight Instructor</li> <li>Recreational</li> <li>Sport</li> </ul>	□ Airl		ort D For	t the Time	hrs	Restraint Ty Available O None O Lap Only O 3-point O 4-point O 5-point O Unknown	pe: 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 Addr	ess						Seat Occupie	d	Injury
First Name: Middle Initial: Last Name:	_	State	e:	nce: 2	ZIP:		OLeft OCenter ORight	O Front O Rear O Single O Unknown	O None O Minor O Serious O Fatal O Unknown
Pilot Certificate(s) (Ch None Private Student Type Rating/Endorser Accident/Incident Airco PASSENGER(S) / 0	Flight Instructor Recreational Sport ment for craft? □Yes	Airl	of this A	oort  For er light Time au Accident/Inci	t the Time dent:		Restraint Tyj Available O None O Lap Only O 3-point O 4-point O Unknown	pe: 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
PASSENGERISU	UTHER REPORT								
I ACCENCER(O)	OTTERFERSO	NNEL (I	Include c	abin crew; c	ontinue on s	eparate shee	t if necessary)	Inflatable	1
Name and Address	OTTLKTLKOO	NNEL (I	Include c	abin crew; c Seat	ontinue on s Injury	eparate shee Restraint T		Inflatable Restraints	Age
	City : <u>Kalama</u> State: <u>MI</u> 2 Country: <u>Unit</u>	azoo ZIP: <u>4900</u> ted States	9			Restraint T Available ONone OLap Only ©3-point O4-point	ype Used O None O Lap Only O 3-point O 4-point O 5-point	Restraints  Not Installed  Installed  Not Deployed  Unknown	Under 5 years
Name and Address First Name: <u>Richard</u> Middle Initial: <u>A</u> Last Name: <u>Crepas</u>	City : <u>Kalama</u> State: <u>MI</u> 2 Country: <u>Unit</u> ⊙Passenger City : State: 2	ZIP: <u>4900</u> ted States O Oth ZIP:	9 her	Seat OLeft OCenter ØRight OUnknown	Injury ONone OMinor OScrious OFatal	Restraint T Available ONone OLap Only O3-point O4-point O5-point	ype Used O None O Lap Only O 3-point O 4-point O 5-point	Restraints  Not Installed  Installed  Not Deployed  Unknown	□ Under 5 years If Under 5, ○ Child Restraint ○ Lap-Held ○ Unknown □ Under 5 years If Under 5, ○ Child Restraint ○ Lap-Held
Name and Address         First Name:       Richard         Middle Initial:       A         Last Name:       Crepas         OCrew         First Name:       Middle Initial:         Middle Initial:       Last Name:         Middle Initial:       Last Name:	City : <u>Kalama</u> State: <u>MI</u> 2 Country: <u>Unit</u> @Passenger City : State: 2 @Passenger City : State: 2	2IP: <u>4900</u> ted States O Oti ZIP: O Oti	9 her  her	Seat OLeft OCenter ORight OUnknown Row: <u>2</u> OLeft OCenter ORight OUnknown	Injury None Minor Serious OFatal OUnknown ONone OMinor OSerious OFatal	Restraint T Available ONone OLap Only O3-point O4-point OUnknown Available ONone OLap Only O3-point O4-point O4-point O5-point	ype Used O None Lap Only 3-point 4-point 5-point O Unknown Used O None Lap Only 3-point 0 4-point 0 4-point 0 5-point	Restraints  Not Installed  Not Deployed  Unknown  Not Installed  Installed  Not Deployed  Deployed	□ Under 5 years If Under 5, ○ Child Restraint ○ Lap-Held ○ Unknown □ Under 5 years If Under 5, ○ Child Restraint ○ Lap-Held ○ Unknown □ Under 5 years

FLIGHT ITINERARY I	NFORMATION	N						
Last Departure Point	Tim	e of Departure	Destinatio	on		Type Fligh	t Plan F	ïled
Airport ID: KOEB	-	1.45 0 00	Airport ID:	KIRS		None		O VFR/IFR
City: Coldwater	Time	: <u>1:45 p.m.</u>	City: Stur	gis	20. 	O Company O Military		O IFR O Unknown
State: MI	Time	Zone: EST	State: MI	10. Fa.		O VFR	VFK	Olikilowii
Country: United States			and the second s	Inited States		Activated?	OYes	ONo OUnknown
Type of ATC Clearance/Ser	vice (Check all that	apply)						
	Special VFR IFR		cial IFR R On Top		VFR Flight Foll		Cruis	se 10wn / NA
Airspace where the accident							Altitu	de of In-Flight
	Class G		itary Operations		Special			rence:
	Demo Area Warning Area		port Advisory A Training Area	iea	☐ Air Traffic Conti ☐ Unknown	of Area	300	ft msl
	Prohibited Area	TRS	SA					
Class E	Restricted Area	🗖 FAI	R 93					
WEATHER INFORMA	TION AT THE	ACCIDEN	T/INCIDEN					
Source of Pilot Weather Info	ormation				servation Facility			
(Check all that apply) National Weather Service	Com	nany		Facility ID: K				
Flight Service Station	□ Milit			Observation Ti	me: <u>1:30 p.m.</u>			
TV/Radio	Inter			Time Zone: E	ST			
<ul> <li>Automated Report</li> <li>Commercial Weather Service</li> </ul>	(DUATS) Units			Distance from	Accident Site: On s	site	nm	
On-Board Weather	(DUATS) 🗖 Unkı	iown		Direction from	Accident Site: On	site	degrees	true
Basic Conditions		Light Conditi	on					
<b>⊙</b> VMC		ODawn	ODusk	ODark	Night OUn	known		
OIMC		<ul> <li>Day</li> </ul>	ONight	OBrig	ht Night			
<b>O</b> Unknown								
Sky/Lowest Cloud Condition		Ceiling	-		Temperature:		(C) or	46 (F)
	Thin Broken Thin Overcast	<ul> <li>None (Clear)</li> <li>Broken</li> </ul>		Obscured Indefinite	Dew Point:	(C	) or	26 (F)
	Unknown	O Broken		Unknown				
O Scattered	· childenn		Ŭ	children in	Altimeter Sett			
Lowest Cloud Condition He	eight	Ceiling Heigh	t			or		,
	ft agl			ft agl				
Wind Direction	Wind Speed		Wind Gusts	ē	Visibility	10	miles	
□ Variable	Calm	6a	🗹 Not Gustin	ng	RVR	:		
	Light and Varia	ible			RVV	8	miles	
-or- Direction: 250 degrees true	-or- Speed: 8	kts	-or- Speed:	kts	Density Altitu	and a second second		ft
Intensity of Precipitation	Type of Precipit:	ation (Check all t			Restriction to		heck all t	
OLight	☑ None	Drizzle	Freezin	g Rain	☑ None			lai appiy)
O Moderate	$\square$ Rain	Lice Pellets			Blowing Du	ist 🗖 🤇	Fround Fo	g
OHeavy	□ Snow	Snow Pellet			Blowing Sa			
⊙N/A OUnknown	☐ Hail ☐ Rain Showers	□ Snow Grain □ Ice Crystals		g Drizzle	Blowing Sn		ce Fog Smoke	
Ounknown					Dust		Jnknown	
Icing Forecast		Icing Actual			Turbulence			
Amount Type		Amount	Type		Type (Check a	ll that apply)		verity
None     O N/A     O Di		None     Trace	ON/A		✓ None ✓ Clear Air			Light Moderate
O Trace O Rime O Light O Clear		O Trace O Light	O Rime O Clear		Terrain-Indu	iced		Severe
O Moderate O Mixed		O Moderate	O Mixe					Extreme
O Severe O Unknow	'n	O Severe	O Unkr	iown				
<b>O</b> Unknown		<b>O</b> Unknown						
NOTAMs (D and FDC), A	AIRMETs, SIGN	IETs, PIREPs	s in effect at	the time of tl	he accident/inci	dent:		
None								

#### DAMAGE TO AIRCRAFT AND OTHER PROPERTY

Aircraft Damage

O None O Minor geAircraft FireO SubstantialO NoneO DestroyedO In-FlightO UnknownO On-Ground

O Both Ground and In-Flight O Fire at Unknown Time O Unknown

## Aircraft Explosion

None
 In-Flight
 On-Ground

O Both Ground and In-Flight O Explosion at Unknown Time O Unknown

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

#### 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 and location, services obtained, and intended destination. Provide as much detail as possible.

<b>RECOMMENDATION</b> (How could this	accident/incident h	ave been prevente	ed?)		
Operator/Owner Safety Recommendation					
Not performing simulated power failures	at this low an altitu	de. Edwin Shum	iway		
MECHANICAL MALFUNCTION/	AILURE (If mo	re space is neede	d, continue on sepa	rate sheet)	
Was there Mechanical Malfunction/Failur (If yes, list the name of the part, manufacturer, par					Total Time/Cycles On Part
					Hours
					Cycles
					Time Since This Part
					Inspected/Overhauled
					Hours
FUEL & SERVICES INFORMATI	ON				
Fuel on Board at Last Takeoff	Fuel Type				
(Convert from pounds, as necessary)	<ul> <li>○ 80/87</li> <li>○ 100 Low Lead</li> </ul>	O 115/145 O Jet A	O Jet B O JP8	O Other, specify	
Gallons	O 100/130	O Jet A-1	O Automotive		
Other Services, if Any, Prior to Departure					
EVACUATION OF AIRCRAFT					
Was an emergency evacuation of the aircr	aft performed?	🗹 Yes 🗆 🗅 N	No		
Method of Exit - Describe how the occupan	ts exited and how m	any occupants eva	cuated each location		
1 out the left door					
2 out the right door					
OTHER AIRCRAFT - COLLISIO	N (If air or ground	collision occurre	d, complete this sec		
				——————————————————————————————————————	mage to Other Aircraft Destroyed  Minor
					Substantial None
Registered Owner of Other Aircraft			ot of Other Aircraft		
Name:		Nat	me:		
City:ZIP:		Sta	y:	_ZIP:	
Country:		Co	untry:		

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

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

I HEREBY CERTIF	I HEREBY CERTIFY THAT THE ABOVE INFORMATION IS COMPLETE AND ACCURATE TO THE BEST OF MY KNOWLEDGE						
Date of this Report	Name of Pilot/Operator:	Edwin Shumway					

03/07/2020 mm/dd/yyyy Signature:

-- or -- I Check here to electronically sign this document

## If a Person Other than Pilot/Operator is Filing Report

Name:	Patrick	M Mur	phy
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Title: Owner

Signature:

-- or -- Check here to electronically sign this document

FOR NTSB USE ONLY							
NTSB Accident/Incident No. Reviewed by NTSB Regional Office Name of Investigator Date Report Received							
CEN20CA100	CENTRAL	LINDBERG	3/9/2020				

#### CONTINUED INFORMATION FROM NTSB ACCIDENT REPORTFORM 6120.1

## DAMAGE TO AIRCRAFT OR OTHER PROPERTY

Left and right wings and control surfaces damaged Tail cone damaged Belly damaged Nose and main gear damaged Engine stoppage, fire - leaking oil Propeller - destroyed and bent blades Engine mount bent Pilot and passenger steps broken and damaged fuselage

#### NARRATIVE HISTORY OF FLIGHT

Narrative of accident per Patrick Murphy:

The accident of N374JW, Feb. 22. Both Rick Crepas and I were doing our biannual flight review then because of very bad weather conditions the last month. Both of us had our previous review done on Jan. 26, 2018 by Edwin Shumway and therefore the CFI was PIC. After about 1.2 hour of flying and many TOs and landings with Rick in the back seat. I did a cross wind take off, very soon after rotation, approximately 300' AGL, gear and flaps still down, the CFI pulled the throttle to idle and asked, "Your Intentions". I had already lowered the nose and said I would land straight ahead. I expected we would power up, raise the gear and continue our flight. Ed Shumway said, "My Plane" and turned back to runway 25 expecting to land on it without power. I recognized we would not make the runway without power; I went full throttle. We lost altitude in the turn and we were low, we continued to lose altitude, gained a little speed, another slight turn to align with the terrain and the instructor raised the nose for a main gear landing. The plane then shuttered and stalled. It tore the main wheels off and drove the gear through the wings. We got out uninjured and there was an engine fire in the left cowl opening. We used the plane's fire extinguisher and put out the fire.

Although we did not feel a sudden surge of power, Mike Matthews from the FAA stated the engine was producing power when we hit the ground because all the blade tips of the propeller were bend from rotation.

After the plane was moved to a storage hangar at Coldwater, I downloaded the memory from the JPI engine monitor. It showed the engine turning 2625 rpm after the throttle pushed forward. The time on the JPI from the pull to idle until the crash and electric power turned off was 18 seconds.

Narrative of accident per Edwin Shumway:

At the conclusion of Pat Murphy's flight review we departed rwy 22 at KOEB to KIRS with a light right crosswind. At approx. 300 to 400 feet I announced a simulated power failure and slowly retarded the power to a low setting expecting a gentle turn to rwy 25 which was diverging to the right. My intent was to challenge Pat with decision making. I expected a need to go-around and then to have some discussion about turning first toward the runway and emergency decision making. As Pat applied full power I corrected right toward rwy 25. I immediately felt the aircraft begin to shudder as I felt the prop governor surge from the rapid power application. I then pitched forward in an attempt to gain more airspeed fully expecting the aircraft to fly out of the situation. It seemed to me the engine was not producing full power.