

 National Transportation Safety Board FACTUAL REPORT AVIATION		NTSB ID: ATL01LA088		Aircraft Registration Number: N102WS	
		Occurrence Date: 07/22/2001		Most Critical Injury: Serious	
		Occurrence Type: Accident		Investigated By: NTSB	
Location/Time					
Nearest City/Place Collington		State NC	Zip Code 27949	Local Time 0745	Time Zone EDT
Airport Proximity: Off Airport/Airstrip		Distance From Landing Facility:			
Aircraft Information Summary					
Aircraft Manufacturer W. E. Simmons Max Air		Model/Series DRIFTER ARV 582		Type of Aircraft Airplane	
Revenue Sightseeing Flight: No			Air Medical Transport Flight: No		
Narrative					
<p>Brief narrative statement of facts, conditions and circumstances pertinent to the accident/incident:</p> <p>On July 22, 2001, at 0745 eastern daylight time, a W. E. Simmons Max Air Drifter ARV 582 experimental amphibious airplane, N102WS, registered to a private owner, collided with the water while maneuvering to avoid a bridge after a loss of engine power in Collington, North Carolina. The personal flight was operated by the private pilot under the provisions of Title 14 CFR Part 91 with no flight plan filed. Visual meteorological conditions prevailed. The private pilot received serious injuries, the passenger received minor injuries, and the airplane sustained substantial damage. The flight was originating in Collington, North Carolina, at the time of the accident.</p> <p>According to the pilot, the airplane was on initial climb after a water takeoff when it experienced a sudden and total loss of engine power. The pilot established a glide straight ahead. A small bridge was in the flight path, and the pilot stated the airplane did not have sufficient altitude to clear it. The pilot turned the airplane hard to the left to avoid a collision with the bridge. The pilot stated there was not enough altitude or airspeed to complete the turn and landing flare. The airplane struck the water as the pilot maneuvered for the emergency landing.</p> <p>The examination of the recovered airplane disclosed that both wings had separated from the airframe. Water submersion and impact damage to the engine assembly prevent a functional examination. However, the subsequent examination of the engine revealed that the engine had seized and the internal components would not rotate. According to the pilot, the airplane maintenance logs were kept in the airplane, and they were not recovered from the water with the airplane. The pilot further reported that the engine had been overhauled once, but he could not recall the exact time of the overhaul, or total engine time.</p>					
FACTUAL REPORT - AVIATION					
					Page 1

 <p>National Transportation Safety Board FACTUAL REPORT AVIATION</p>		NTSB ID: ATL01LA088				
		Occurrence Date: 07/22/2001				
		Occurrence Type: Accident				
Landing Facility/Approach Information						
Airport Name	Airport ID:	Airport Elevation Ft. MSL	Runway Used	Runway Length	Runway Width	
Runway Surface Type: Water						
Runway Surface Condition: Water--calm						
Approach/Arrival Flown: NONE						
VFR Approach/Landing: Forced Landing						
Aircraft Information						
Aircraft Manufacturer W. E. Simmons Max Air		Model/Series DRIFTER ARV 582		Serial Number S-5-91		
Airworthiness Certificate(s): Experimental (Special)						
Landing Gear Type: Amphibian						
Amateur Built Acft? Yes	Number of Seats: 2	Certified Max Gross Wt. 785 LBS		Number of Engines: 1		
Engine Type: Reciprocating		Engine Manufacturer: Rotax		Model/Series: 582UL DCDI		Rated Power: 65 HP
- Aircraft Inspection Information						
Type of Last Inspection Unknown		Date of Last Inspection	Time Since Last Inspection Hours		Airframe Total Time 500 Hours	
- Emergency Locator Transmitter (ELT) Information						
ELT Installed?/Type No		ELT Operated?	ELT Aided in Locating Accident Site?			
Owner/Operator Information						
Registered Aircraft Owner Robert Mason		Street Address 116 Swan View Drive				
		City Kill Devil Hills		State NC	Zip Code 27948	
Operator of Aircraft Robert Mason		Street Address 116 Swan View Drive				
		City Kill Devil Hills		State NC	Zip Code 27948	
Operator Does Business As:			Operator Designator Code:			
- Type of U.S. Certificate(s) Held: None						
Air Carrier Operating Certificate(s):						
Operating Certificate:			Operator Certificate:			
Regulation Flight Conducted Under: Part 91: General Aviation						
Type of Flight Operation Conducted: Personal						

 <p>National Transportation Safety Board FACTUAL REPORT AVIATION</p>	NTSB ID: ATL01LA088
	Occurrence Date: 07/22/2001
	Occurrence Type: Accident

First Pilot Information

Name On File	City On File	State On File	Date of Birth On File	Age 53
-----------------	-----------------	------------------	--------------------------	-----------

Sex: M	Seat Occupied: Front	Occupational Pilot? Unknown	Certificate Number: On File
--------	----------------------	-----------------------------	-----------------------------

Certificate(s): Private

Airplane Rating(s): Single-engine Land

Rotorcraft/Glider/LTA: None

Instrument Rating(s): None

Instructor Rating(s): None

Current Biennial Flight Review?

Medical Cert.: Class 3	Medical Cert. Status: Valid Medical--w/ waivers/lim.	Date of Last Medical Exam: 11/2000
------------------------	--	------------------------------------

- Flight Time Matrix	All A/C	This Make and Model	Airplane Single Engine	Airplane Multi-Engine	Night	Instrument		Rotorcraft	Glider	Lighter Than Air
						Actual	Simulated			
Total Time	400									
Pilot In Command(PIC)										
Instructor										
Instruction Received										
Last 90 Days										
Last 30 Days										
Last 24 Hours										

Seatbelt Used? Yes	Shoulder Harness Used? No	Toxicology Performed? No	Second Pilot? No
--------------------	---------------------------	--------------------------	------------------

Flight Plan/Itinerary

Type of Flight Plan Filed: None

Departure Point Collington	State NC	Airport Identifier	Departure Time 0743	Time Zone EDT
-------------------------------	-------------	--------------------	------------------------	------------------

Destination Local Flight	State	Airport Identifier	
-----------------------------	-------	--------------------	--


Type of Clearance: Unknown

Type of Airspace: Class G

Weather Information

Source of Wx Information:

Unknown

 <p>National Transportation Safety Board FACTUAL REPORT AVIATION</p>	NTSB ID: ATL01LA088
	Occurrence Date: 07/22/2001
	Occurrence Type: Accident

Weather Information

WOF ID	Observation Time	Time Zone	WOF Elevation	WOF Distance From Accident Site	Direction From Accident Site
KMQI	0744	EDT	14 Ft. MSL	6 NM	200 Deg. Mag.
Sky/Lowest Cloud Condition: Few			Ft. AGL	Condition of Light: Day	
Lowest Ceiling: Broken		1000 Ft. AGL	Visibility: 10	SM	Altimeter: 29.98 "Hg
Temperature: 24 °C	Dew Point: 22 °C	Weather Conditions at Accident Site: Visual Conditions			
Wind Direction: 80	Wind Speed: 6	Wind Gusts:			
Visibility (RVR): Ft.	Visibility (RVV) SM				
Precip and/or Obscuration:					

Accident Information

Aircraft Damage: Substantial	Aircraft Fire: None	Aircraft Explosion: None
------------------------------	---------------------	--------------------------

- Injury Summary Matrix	Fatal	Serious	Minor	None	TOTAL
First Pilot		1			1
Second Pilot					
Student Pilot					
Flight Instructor					
Check Pilot					
Flight Engineer					
Cabin Attendants					
Other Crew					
Passengers			1		1
- TOTAL ABOARD -		1	1		2
Other Ground					
- GRAND TOTAL -		1	1		2

National Transportation Safety Board

FACTUAL REPORT

AVIATION



NTSB ID: ATL01LA088

Occurrence Date: 07/22/2001

Occurrence Type: Accident

Administrative Information

Investigator-In-Charge (IIC)

Butch Wilson

Additional Persons Participating in This Accident/Incident Investigation:

William R Newby
FAA - Greensboro FSDO - 05
Greensboro, NC