



# Aviation Investigation Final Report

<b>Location:</b>	Dadeville, Alabama	<b>Accident Number:</b>	ERA14CA177
<b>Date &amp; Time:</b>	March 27, 2014, 17:30 Local	<b>Registration:</b>	N59AW
<b>Aircraft:</b>	AVIAT AIRCRAFT INC A 1B	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Landing area overshoot	<b>Injuries:</b>	2 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

The pilot of the amphibian airplane reported that he was attempting to land on a lake with a tailwind. He circled the landing zone once and verified that there was no debris in the water. During the landing flare, the airplane floated beyond the intended touchdown point and was nearing the shore. The pilot initially added power to go-around, but then reduced power when he did not think the airplane would clear the trees near the shoreline. The airplane subsequently nosed over and came to rest in the water. Examination of the airplane by a Federal Aviation Administration inspector revealed substantial damage to both wings and the fuselage. The landing gear was retracted into the floats. The pilot added that there were no preimpact mechanical malfunctions with the airplane.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's failure to obtain the proper touchdown point while landing on a lake with a tailwind.

## Findings

<b>Personnel issues</b>	Aircraft control - Pilot
<b>Personnel issues</b>	Decision making/judgment - Pilot
<b>Aircraft</b>	Descent/approach/glide path - Not attained/maintained
<b>Environmental issues</b>	Tailwind - Effect on operation

## Factual Information

### History of Flight

<b>Landing-flare/touchdown</b>	Landing area overshoot (Defining event)
<b>Landing</b>	Nose over/nose down
<b>Landing</b>	Collision with terr/obj (non-CFIT)

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	24
<b>Airplane Rating(s):</b>	Single-engine land; Single-engine sea	<b>Seat Occupied:</b>	Front
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	3-point
<b>Instrument Rating(s):</b>	None	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 3 Without waivers/limitations	<b>Last FAA Medical Exam:</b>	October 5, 2012
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	January 11, 2014
<b>Flight Time:</b>	247 hours (Total, all aircraft), 36 hours (Total, this make and model), 186 hours (Pilot In Command, all aircraft), 63 hours (Last 90 days, all aircraft), 30 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	AVIAT AIRCRAFT INC	<b>Registration:</b>	N59AW
<b>Model/Series:</b>	A 1B	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>	2000	<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	2058
<b>Landing Gear Type:</b>	Tailwheel; Float	<b>Seats:</b>	2
<b>Date/Type of Last Inspection:</b>	January 3, 2014 Annual	<b>Certified Max Gross Wt.:</b>	2200 lbs
<b>Time Since Last Inspection:</b>	28 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	608 Hrs at time of accident	<b>Engine Manufacturer:</b>	LYCOMING
<b>ELT:</b>	Installed, activated, did not aid in locating accident	<b>Engine Model/Series:</b>	O-360
<b>Registered Owner:</b>	HUSKYAIRE LLC	<b>Rated Power:</b>	180 Horsepower
<b>Operator:</b>	Douglas Zeiger	<b>Operating Certificate(s) Held:</b>	None

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	ALX,686 ft msl	<b>Distance from Accident Site:</b>	9 Nautical Miles
<b>Observation Time:</b>	17:15 Local	<b>Direction from Accident Site:</b>	315°
<b>Lowest Cloud Condition:</b>	Clear	<b>Visibility</b>	10 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	7 knots / 16 knots	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	150°	<b>Turbulence Severity Forecast/Actual:</b>	/ Light
<b>Altimeter Setting:</b>	30.12 inches Hg	<b>Temperature/Dew Point:</b>	22°C / -2°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	Our Town, AL (AL71)	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	Dadeville, AL	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	17:20 Local	<b>Type of Airspace:</b>	

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	1 None	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	2 None	<b>Latitude, Longitude:</b>	32.830566,-85.759147(est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Gretz, Robert
<b>Additional Participating Persons:</b>	Jack Clark; FAA/FSDO; Birmingham, AL
<b>Original Publish Date:</b>	May 5, 2014
<b>Last Revision Date:</b>	
<b>Investigation Class:</b>	<a href="#">Class</a>
<b>Note:</b>	This accident report documents the factual circumstances of this accident as described to the NTSB.
<b>Investigation Docket:</b>	<a href="https://data.nts.gov/Docket?ProjectID=88987">https://data.nts.gov/Docket?ProjectID=88987</a>

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