



Aviation Investigation Final Report

Location:	DEMOTTE, Indiana	Accident Number:	CHI99LA176
Date & Time:	June 8, 1999, 06:00 Local	Registration:	N3791Z
Aircraft:	Grumman American AA-5B	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The private pilot conducted a local flight. On landing he allowed the airplane to touch down approximately 1,000 feet down the 2,600 foot runway. He was unable to stop the airplane on the remaining runway due to the wet turf runway. The pilot told investigators that he did not realize the runway was wet prior to the accident. An examination of the airplane after the accident failed to reveal any pre-existing anomalies.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's misjudging distance/speed resulting in an overrun. A contributing factor was the wet condition of the turf runway.

Findings

Occurrence #1: OVERRUN
Phase of Operation: LANDING - ROLL

Findings

1. (F) AIRPORT FACILITIES, RUNWAY/LANDING AREA CONDITION - WET
2. (C) DISTANCE/SPEED - MISJUDGED - PILOT IN COMMAND
3. AIRPORT FACILITIES, RUNWAY/LANDING AREA CONDITION - GRASS

Factual Information

On June 8, 1999, at 0600 eastern standard time, a Grumman American AA-5B, N3791Z, registered to an individual, sustained substantial damage during an overrun on landing on a turf runway, at a private airport, near Demotte, Indiana. The private pilot reported no injuries. The personal 14 CFR Part 91 flight was operating in visual meteorological conditions. No flight plan was on file. The local flight departed at 0530.

The pilot said that he landed about 1,000 feet down the 2,600 foot runway and was unable to stop on the remaining runway. He said that he did not realize that the runway was wet prior to the accident.

Subsequent to the accident an examination of the airplane failed to reveal any pre-existing mechanical anomalies.

Pilot Information

Certificate:	Private	Age:	54, Male
Airplane Rating(s):	Single-engine land; Multi-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Valid Medical-w/ waivers/lim	Last FAA Medical Exam:	December 9, 1998
Occupational Pilot:	UNK	Last Flight Review or Equivalent:	
Flight Time:	1040 hours (Total, all aircraft), 2 hours (Total, this make and model), 943 hours (Pilot In Command, all aircraft), 16 hours (Last 90 days, all aircraft), 5 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Grumman American	Registration:	N3791Z
Model/Series:	AA-5B AA-5B	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	AA5B-1254
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	April 2, 1999 Annual	Certified Max Gross Wt.:	2400 lbs
Time Since Last Inspection:	6 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	562 Hrs	Engine Manufacturer:	Lycoming
ELT:	Installed, not activated	Engine Model/Series:	O-360-A4K
Registered Owner:	STEPHEN C. HOFFMAN	Rated Power:	180 Horsepower
Operator:		Operating Certificate(s) Held:	None
Operator Does Business As:		Operator Designator Code:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Dawn
Observation Facility, Elevation:		Distance from Accident Site:	
Observation Time:		Direction from Accident Site:	
Lowest Cloud Condition:	Clear	Visibility	25 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	/	Turbulence Type Forecast/Actual:	/
Wind Direction:	0°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	19°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	(3C0)	Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	05:30 Local	Type of Airspace:	Class G

Airport Information

Airport:	DEMOTTE 3C0	Runway Surface Type:	Grass/turf
Airport Elevation:	655 ft msl	Runway Surface Condition:	Wet
Runway Used:	36	IFR Approach:	None
Runway Length/Width:	2600 ft / 150 ft	VFR Approach/Landing:	Full stop

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	41.1609,-87.259971(est)

Administrative Information

Investigator In Charge (IIC):	Wilson, Stephen
Additional Participating Persons:	ROBERT F HELBING; SOUTH BEND , IN
Original Publish Date:	January 18, 2001
Last Revision Date:	
Investigation Class:	Class
Note:	
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=46512

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