



National Transportation Safety Board Aviation Accident Final Report

Location:	CULPEPER, VA	Accident Number:	IAD98LA088
Date & Time:	08/01/1998, 1410 EDT	Registration:	N89074
Aircraft:	Cessna 152	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 None

Flight Conducted Under: Part 91: General Aviation - Instructional

Analysis

According to the student pilot, as he began the takeoff roll on runway 4, the airplane started to yaw to the left. He said the throttle was at full power, and he corrected with right rudder, but the airplane continued off the left side of the runway, onto the grass, struck a ditch and nosed over. He reported over 30 hours of total flight experience, including 17 hours in make and model, and 7 hours of solo flight experience. He also reported that there was no mechanical malfunction with the airplane or the engine. The reported weather at the time of the accident was winds from 020 at 10 knots with wind gusts to 14 knots.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: Failure to maintain directional control during the takeoff roll. A related factor was wind gusts.

Findings

Occurrence #1: LOSS OF CONTROL - ON GROUND/WATER
Phase of Operation: TAKEOFF - ROLL/RUN

Findings

1. (F) WEATHER CONDITION - GUSTS
 2. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND
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Occurrence #2: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER
Phase of Operation: TAKEOFF - ROLL/RUN

Findings

3. TERRAIN CONDITION - DITCH
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Occurrence #3: NOSE OVER
Phase of Operation: TAKEOFF - ROLL/RUN

Factual Information

On August 1, 1998, at 1410 eastern daylight time, a Cessna 152, N89074, was substantially damaged when it collided with terrain during the takeoff roll at the Culpeper County Airport, Culpeper, Virginia. The certificated student pilot was not injured. Visual meteorological conditions prevailed and a flight plan was not filed. The local, instructional flight was conducted under 14 CFR Part 91.

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Pilot Information

Certificate:	Student	Age:	29, Male
Airplane Rating(s):	None	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	05/01/1998
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	36 hours (Total, all aircraft), 17 hours (Total, this make and model), 10 hours (Pilot In Command, all aircraft), 23 hours (Last 90 days, all aircraft), 17 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N89074
Model/Series:	152 152	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	15282619
Landing Gear Type:	Tricycle	Seats:	2
Date/Type of Last Inspection:	05/08/1998, Annual	Certified Max Gross Wt.:	1675 lbs
Time Since Last Inspection:	53 Hours	Engines:	1 Reciprocating
Airframe Total Time:	6008 Hours	Engine Manufacturer:	Lycoming
ELT:	Installed, activated, did not aid in locating accident	Engine Model/Series:	
Registered Owner:	AERO SAFETY FLIGHT TRAINING	Rated Power:	108 hp
Operator:	AERO SAFETY FLIGHT TRAINING	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	CJR, 313 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	1340 EDT	Direction from Accident Site:	0°
Lowest Cloud Condition:	Clear / 0 ft agl	Visibility	10 Miles
Lowest Ceiling:	None / 0 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	10 knots / 14 knots	Turbulence Type Forecast/Actual:	/
Wind Direction:	20°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	27° C / 11° C
Precipitation and Obscuration:			
Departure Point:	(CJR)	Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	1355 EDT	Type of Airspace:	Class G

Airport Information

Airport:	CULPEPER CO (CJR)	Runway Surface Type:	Asphalt
Airport Elevation:	313 ft	Runway Surface Condition:	Dry
Runway Used:	4	IFR Approach:	None
Runway Length/Width:	4002 ft / 75 ft	VFR Approach/Landing:	None

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	

Administrative Information

Investigator In Charge (IIC):	BEVERLEY DRAKE	Report Date:	02/16/2001
Additional Participating Persons:	NORM SCHWANKI; DULLES, VA		
Publish Date:			
Investigation Docket:	NTSB accident and incident dockets serve as permanent archival information for the NTSB's investigations. Dockets released prior to June 1, 2009 are publicly available from the NTSB's Record Management Division at pubinq@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .		

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