



National Transportation Safety Board Aviation Accident Data Summary

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|--------------------------------|---|-------------------------|------------|
| Location: | CULPEPER, VA | Accident Number: | IAD98LA088 |
| Date & Time: | 08/01/1998, 1410 EDT | Registration: | N89074 |
| Aircraft: | Cessna 152 | 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

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

Pilot Information

| | | | |
|----------------------------------|---|------------------------------|------|
| Certificate: | Student | Age: | 29 |
| Airplane Rating(s): | None | Instrument Rating(s): | None |
| Other Aircraft Rating(s): | None | Instructor Rating(s): | None |
| 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

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|---------------------------------------|---|-----------------------------|-----------------|
| Aircraft Make: | Cessna | Registration: | N89074 |
| Model/Series: | 152 152 | Engines: | 1 Reciprocating |
| Operator: | AERO SAFETY FLIGHT TRAINING | Engine Manufacturer: | Lycoming |
| Operating Certificate(s) Held: | None | Engine Model/Series: | |
| Flight Conducted Under: | Part 91: General Aviation - Instructional | | |

Meteorological Information and Flight Plan

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|---|-------------------|-------------------------------------|------------------------------|
| Conditions at Accident Site: | Visual Conditions | Condition of Light: | Day |
| Observation Facility, Elevation: | CJR, 313 ft msl | Weather Information Source: | Weather Observation Facility |
| Lowest Ceiling: | None / 0 ft agl | Wind Speed/Gusts, Direction: | 10 knots / 14 knots, 20° |
| Temperature: | 27° C | Visibility | 10 Miles |
| Precipitation and Obscuration: | | | |
| Departure Point: | (CJR) | Destination: | |

Airport Information

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|-----------------------------|-------------------|----------------------------------|---------|
| Airport: | CULPEPER CO (CJR) | Runway Surface Type: | Asphalt |
| Runway Used: | 4 | Runway Surface Condition: | Dry |
| Runway Length/Width: | 4002 ft / 75 ft | | |

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC): BEVERLEY DRAKE

Adopted Date: 02/16/2001

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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