



# Aviation Investigation Final Report

|                                |                                      |                         |                                   |
|--------------------------------|--------------------------------------|-------------------------|-----------------------------------|
| <b>Location:</b>               | BAKER, Oregon                        | <b>Accident Number:</b> | SEA93LA004                        |
| <b>Date &amp; Time:</b>        | October 4, 1992, 08:25 Local         | <b>Registration:</b>    | N111C                             |
| <b>Aircraft:</b>               | CARLSON<br>MUSTANG                   | MIDGET                  | <b>Aircraft Damage:</b> Destroyed |
| <b>Defining Event:</b>         |                                      | <b>Injuries:</b>        | 1 Fatal                           |
| <b>Flight Conducted Under:</b> | Part 91: General aviation - Personal |                         |                                   |

## Analysis

THE AIRCRAFT WAS OBSERVED TO EXECUTE A LOW PASS UP RUNWAY 34 AT THE BAKER AIRPORT AFTER WHICH A CLIMBING LEFT TURN TO DOWNWIND WAS EXECUTED. A WITNESS REPORTED OBSERVING THE AIRCRAFT PITCH NOSE UP AND ROLL LEFT WING DOWN AT ABOUT THE TIME THE AIRCRAFT WAS TRANSITIONING FROM DOWNWIND TO BASE TURN. THE AIRCRAFT THEN DESCENDED STEEPLY TO THE GROUND REVERSING COURSE DURING THE DESCENT. THERE WAS NO EVIDENCE OF ANY POWERPLANT NOR AIRFRAME MALFUNCTION. THE PILOT WAS REPORTED TO HAVE FLOWN THE AIRCRAFT FOR A TOTAL OF ABOUT 16 HOURS SINCE ITS CERTIFICATION IN JUNE OF 1992. ADDITIONALLY, THE PILOT REPORTED ON HIS JULY 1992 MEDICAL APPLICATION THAT HE HAD 1500 HOURS OF TOTAL FLIGHT TIME AND NO FLIGHT TIME WITHIN THE PREVIOUS 6 MONTHS.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: AN INADVERTENT STALL/SPIN BY THE PILOT IN COMMAND. A FACTOR CONTRIBUTING TO THE ACCIDENT WAS THE PILOT IN COMMAND'S LACK OF RECENT EXPERIENCE.

## Findings

Occurrence #1: LOSS OF CONTROL - IN FLIGHT  
Phase of Operation: APPROACH - VFR PATTERN - BASE TURN

Findings

1. (C) STALL/SPIN - INADVERTENT - PILOT IN COMMAND
2. (F) LACK OF RECENT EXPERIENCE - PILOT IN COMMAND

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Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER  
Phase of Operation: DESCENT - UNCONTROLLED

## Factual Information

### Pilot Information

|                                  |   |  |              |
|----------------------------------|---|--|--------------|
| <b>Certificate:</b>              | Private   | <b>Age:</b>                              | 61, Male     |
| <b>Airplane Rating(s):</b>       | Single-engine land  | <b>Seat Occupied:</b>                    | Front        |
| <b>Other Aircraft Rating(s):</b> | None  | <b>Restraint Used:</b>                   |              |
| <b>Instrument Rating(s):</b>     | Airplane  | <b>Second Pilot Present:</b>             | No           |
| <b>Instructor Rating(s):</b>     | None  | <b>Toxicology Performed:</b>             | Yes          |
| <b>Medical Certification:</b>    | Class 3 Valid Medical-w/<br>waivers/lim                                 | <b>Last FAA Medical Exam:</b>            | July 7, 1992 |
| <b>Occupational Pilot:</b>       | UNK   | <b>Last Flight Review or Equivalent:</b> |              |
| <b>Flight Time:</b>              | 1500 hours (Total, all aircraft), 16 hours (Total, this make and model) |  |              |

### Aircraft and Owner/Operator Information

|                                      |                              |                                       |                 |
|--------------------------------------|------------------------------|---------------------------------------|-----------------|
| <b>Aircraft Make:</b>                | CARLSON                      | <b>Registration:</b>                  | N111C           |
| <b>Model/Series:</b>                 | MIDGET MUSTANG MIDGET<br>MUS | <b>Aircraft Category:</b>             | Airplane        |
| <b>Year of Manufacture:</b>          |                              | <b>Amateur Built:</b>                 | Yes             |
| <b>Airworthiness Certificate:</b>    | Experimental (Special)       | <b>Serial Number:</b>                 | 288             |
| <b>Landing Gear Type:</b>            | Tailwheel                    | <b>Seats:</b>                         | 2               |
| <b>Date/Type of Last Inspection:</b> | June 24, 1992 Unknown        | <b>Certified Max Gross Wt.:</b>       | 1000 lbs        |
| <b>Time Since Last Inspection:</b>   | 16 Hrs                       | <b>Engines:</b>                       | 1 Reciprocating |
| <b>Airframe Total Time:</b>          | 16 Hrs                       | <b>Engine Manufacturer:</b>           | CONTINENTAL     |
| <b>ELT:</b>                          | Not installed                | <b>Engine Model/Series:</b>           | C-85-12         |
| <b>Registered Owner:</b>             | CARLSON, ROBERT C.           | <b>Rated Power:</b>                   | 85 Horsepower   |
| <b>Operator:</b>                     | CARLSON, ROBERT C.           | <b>Operating Certificate(s) Held:</b> | None            |
| <b>Operator Does Business As:</b>    |                              | <b>Operator Designator Code:</b>      |                 |

## Meteorological Information and Flight Plan

|   |                                  |   |              |
|---|----------------------------------|---|--------------|
| <b>Conditions at Accident Site:</b>     | Visual (VMC)                     | <b>Condition of Light:</b>                  | Not reported |
| <b>Observation Facility, Elevation:</b> |                                  | <b>Distance from Accident Site:</b>         |              |
| <b>Observation Time:</b>                |                                  | <b>Direction from Accident Site:</b>        |              |
| <b>Lowest Cloud Condition:</b>          | Scattered / 3500 ft AGL          | <b>Visibility</b>                           | 40 miles     |
| <b>Lowest Ceiling:</b>                  | None                             | <b>Visibility (RVR):</b>                    |              |
| <b>Wind Speed/Gusts:</b>                | 4 knots /                        | <b>Turbulence Type Forecast/Actual:</b>     | /            |
| <b>Wind Direction:</b>                  | 270°                             | <b>Turbulence Severity Forecast/Actual:</b> | /            |
| <b>Altimeter Setting:</b>               | 30 inches Hg                     | <b>Temperature/Dew Point:</b>               | 9°C / 5°C    |
| <b>Precipitation and Obscuration:</b>   | No Obscuration; No Precipitation |   |              |
| <b>Departure Point:</b>                 |                                  | <b>Type of Flight Plan Filed:</b>           | None         |
| <b>Destination:</b>                     |                                  | <b>Type of Clearance:</b>                   | None         |
| <b>Departure Time:</b>                  | 08:15 Local                      | <b>Type of Airspace:</b>                    | Class G      |

## Airport Information

|                             |                     |                                  |                 |
|-----------------------------|---------------------|----------------------------------|-----------------|
| <b>Airport:</b>             | BAKER MUNICIPAL BKE | <b>Runway Surface Type:</b>      |                 |
| <b>Airport Elevation:</b>   |                     | <b>Runway Surface Condition:</b> |                 |
| <b>Runway Used:</b>         | 0                   | <b>IFR Approach:</b>             | None            |
| <b>Runway Length/Width:</b> |                     | <b>VFR Approach/Landing:</b>     | Traffic pattern |

## Wreckage and Impact Information

|                            |         |                             |                            |
|----------------------------|---------|-----------------------------|----------------------------|
| <b>Crew Injuries:</b>      | 1 Fatal | <b>Aircraft Damage:</b>     | Destroyed                  |
| <b>Passenger Injuries:</b> |         | <b>Aircraft Fire:</b>       | None                       |
| <b>Ground Injuries:</b>    | N/A     | <b>Aircraft Explosion:</b>  | None                       |
| <b>Total Injuries:</b>     | 1 Fatal | <b>Latitude, Longitude:</b> | 44.829902,-117.760467(est) |

## Administrative Information

**Investigator In Charge (IIC):** McCreary, Steven

**Additional Participating Persons:** WILL HICKS; HILLSBORO , OR

**Original Publish Date:** August 26, 1993

**Last Revision Date:**

**Investigation Class:** [Class](#)

**Note:**

**Investigation Docket:** <https://data.nts.gov/Docket?ProjectID=42948>

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