



# Aviation Investigation Final Report

<b>Location:</b>	Wasilla, Alaska	<b>Accident Number:</b>	ANC05CA060
<b>Date &amp; Time:</b>	April 17, 2005, 19:30 Local	<b>Registration:</b>	N4557F
<b>Aircraft:</b>	Cessna A185E	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	2 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Instructional		

## Analysis

The certificated flight instructor pilot was giving landing instruction to a private pilot prior to administering a biennial flight review. The flight instructor reported that during the accident landing, with the private pilot operating the controls, the airplane swung to the right, and with full left brake applied, the airplane still continued to the right. The instructor said he took control of the airplane, and intentionally applied the right brake and ground-looped the airplane to prevent it from exiting the runway and encountering a ditch. The airplane sustained structural damage to the left wing.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The flight instructor's failure to provide adequate supervision of the second pilot during the landing roll, which resulted in a loss of control and an intentional ground-loop by the instructor. A factor in the accident was the dual student's ( a certificated private pilot) loss of directional control during the landing roll.

## Findings

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

### Findings

1. (F) DIRECTIONAL CONTROL - NOT MAINTAINED - DUAL STUDENT

2. (C) SUPERVISION - INADEQUATE - PILOT IN COMMAND(CFI)

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Occurrence #2: ABRUPT MANEUVER  
Phase of Operation: LANDING - ROLL

Findings

3. GROUND LOOP/SWERVE - INTENTIONAL - PILOT IN COMMAND(CFI)

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Occurrence #3: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER  
Phase of Operation: LANDING - ROLL

Findings

4. TERRAIN CONDITION - RUNWAY

## Factual Information

On April 17, 2005, about 1930 Alaska daylight time, a Cessna A185E airplane, N4557F, sustained substantial damage when it ground-looped during the landing roll at the Wasilla Airport, Wasilla, Alaska. The airplane was being operated by the flight instructor as a visual flight rules (VFR) local instructional flight under Title 14, CFR Part 91 when the accident occurred. The flight instructor (first pilot) and the certificated private pilot (second pilot), were not injured. Visual meteorological conditions prevailed, and no flight plan was filed.

During a telephone conversation with the National Transportation Safety Board (NTSB) investigator-in-charge (IIC) on April 18, the first pilot said he was giving instruction to the second pilot prior to administering a biennial flight review. He said during the accident landing, the second pilot lost directional control, and he took control and intentionally ground-looped the airplane to prevent a runway excursion. The first pilot said the airplane sustained structural damage to the left wing, horizontal stabilizer, and elevator.

In a written statement to the NTSB dated May 2, the first pilot wrote that the wind speed may have picked up, or the wind direction may have changed to more of a direct crosswind. He reported the winds as 220 degrees magnetic at 6-9 knots with gusts to 12 knots. He wrote that upon touchdown on runway 21, the airplane swung to the right, and that even with application of full left brake, the airplane continued to the right. He said he applied right brake and intentionally ground-looped the airplane to prevent it from exiting the runway and encountering a ditch.

### Flight instructor Information

<b>Certificate:</b>	Commercial; Flight instructor	<b>Age:</b>	54, Male
<b>Airplane Rating(s):</b>	Single-engine land; Single-engine sea; Multi-engine land	<b>Seat Occupied:</b>	Rear
<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>	Airplane multi-engine; Airplane single-engine; Instrument airplane	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 2	<b>Last FAA Medical Exam:</b>	November 1, 2004
<b>Occupational Pilot:</b>		<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	2710 hours (Total, all aircraft), 2000 hours (Total, this make and model)		

## Pilot Information

<b>Certificate:</b>	<b>Age:</b>
<b>Airplane Rating(s):</b>	<b>Seat Occupied:</b>
<b>Other Aircraft Rating(s):</b>	<b>Restraint Used:</b>
<b>Instrument Rating(s):</b>	<b>Second Pilot Present:</b> No
<b>Instructor Rating(s):</b>	<b>Toxicology Performed:</b> No
<b>Medical Certification:</b>	<b>Last FAA Medical Exam:</b>
<b>Occupational Pilot:</b>	<b>Last Flight Review or Equivalent:</b>
<b>Flight Time:</b>	

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Cessna	<b>Registration:</b>	N4557F
<b>Model/Series:</b>	A185E	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal; Utility	<b>Serial Number:</b>	185-1061
<b>Landing Gear Type:</b>	Tailwheel	<b>Seats:</b>	
<b>Date/Type of Last Inspection:</b>		<b>Certified Max Gross Wt.:</b>	
<b>Time Since Last Inspection:</b>		<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>		<b>Engine Manufacturer:</b>	Continental
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	IO-520D
<b>Registered Owner:</b>	James Kincaid	<b>Rated Power:</b>	
<b>Operator:</b>	James Kincaid	<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>	PAWS	<b>Distance from Accident Site:</b>	
<b>Observation Time:</b>		<b>Direction from Accident Site:</b>	
<b>Lowest Cloud Condition:</b>		<b>Visibility</b>	10 miles
<b>Lowest Ceiling:</b>		<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	/	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>		<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>		<b>Temperature/Dew Point:</b>	
<b>Precipitation and Obscuration:</b>			
<b>Departure Point:</b>	Wasilla, AK (PAWS)	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	Wasilla, AK (PAWS)	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>		<b>Type of Airspace:</b>	

## Wreckage and Impact Information

<b>Crew Injuries:</b>	2 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>		<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	
<b>Total Injuries:</b>	2 None	<b>Latitude, Longitude:</b>	61.571666,-149.540283

## Administrative Information

**Investigator In Charge (IIC):** Lewis, Lawrence

**Additional Participating Persons:**

**Original Publish Date:** September 13, 2005

**Last Revision Date:**

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

**Note:** This accident report documents the factual circumstances of this accident as described to the NTSB.

**Investigation Docket:** <https://data.nts.gov/Docket?ProjectID=61342>

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