



## National Transportation Safety Board Aviation Accident Factual Report

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<b>Location:</b>	FINLEY, ND	<b>Accident Number:</b>	CHI97LA002
<b>Date &amp; Time:</b>	10/03/1996, 0815 CDT	<b>Registration:</b>	N185ND
<b>Aircraft:</b>	Cessna 185	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	2 None

**Flight Conducted Under:** Part 91: General Aviation - Instructional

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On October 3, 1996, at 0815 central daylight time (cdt), a Cessna 185, N185ND, sustained substantial damage when the airplane's horizontal stabilizer collided with a dock. The airplane was taxiing for takeoff, on Golden Lake, near Finley, North Dakota, when the accident occurred. The flight instructor and student pilot were uninjured in the accident. The 14 CFR Part 91 flight was operating in visual meteorological conditions, and no flight plan had been filed.

The flight instructor reported on NTSB form 6120.1/2 that the airplane was parked on the shore near the dock. Before departing the shore the instructor reported that she and the student discussed the departure, and believed that distance between the dock and the airplane did not appear to present a problem during departure.

The instructor reported that after starting the airplane's engine the airplane began to move forward, and the wing strut and wing cleared the dock. After clearing the dock with the wing the instructor reported that she began to lower the water rudders, and the tail of the airplane began moving towards the dock. The diagram included with the report shows that the aircraft was experiencing a right crosswind during the departure from shore. The instructor reported that full left rudder with the water rudders partially extended was ineffective in stopping the horizontal of the airplane from hitting the dock. The pilot did not report any airplane or engine malfunctions.

The airplane's horizontal stabilizer required replacement, following the accident.

## Pilot Information

<b>Certificate:</b>	Commercial	<b>Age:</b>	26, Female
<b>Airplane Rating(s):</b>	Multi-engine Land; Single-engine Land; Single-engine Sea	<b>Seat Occupied:</b>	Right
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	Seatbelt, Shoulder harness
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	Yes
<b>Instructor Rating(s):</b>	Airplane Multi-engine; Airplane Single-engine; Instrument Airplane	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 1 Valid Medical--w/ waivers/lim.	<b>Last FAA Medical Exam:</b>	05/22/1996
<b>Occupational Pilot:</b>		<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	2415 hours (Total, all aircraft), 16 hours (Total, this make and model), 2344 hours (Pilot In Command, all aircraft), 122 hours (Last 90 days, all aircraft), 45 hours (Last 30 days, all aircraft), 4 hours (Last 24 hours, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Cessna	<b>Registration:</b>	N185ND
<b>Model/Series:</b>	185 185	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	No
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	18504369
<b>Landing Gear Type:</b>	Float	<b>Seats:</b>	4
<b>Date/Type of Last Inspection:</b>	09/04/1996, Annual	<b>Certified Max Gross Wt.:</b>	3350 lbs
<b>Time Since Last Inspection:</b>	41 Hours	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	2124 Hours	<b>Engine Manufacturer:</b>	Continental
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	IO-520-D
<b>Registered Owner:</b>	UNIVERSITY OF NORTH DAKOTA	<b>Rated Power:</b>	300 hp
<b>Operator:</b>	UNIVERSITY OF NORTH DAKOTA	<b>Operating Certificate(s) Held:</b>	None

## Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	GFK, 844 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	0847 CDT	Direction from Accident Site:	0°
Lowest Cloud Condition:	Scattered / 15000 ft agl	Visibility	15 Miles
Lowest Ceiling:	Broken / 25000 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	8 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	170°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	-1° C / -4° C
Precipitation and Obscuration:			
Departure Point:	GRAND FORKS, ND (GFK)	Type of Flight Plan Filed:	None
Destination:	GOLDEN LAKE	Type of Clearance:	None
Departure Time:	0730 CDT	Type of Airspace:	

## Airport Information

Airport:		Runway Surface Type:	Water
Airport Elevation:	1050 ft	Runway Surface Condition:	Wet
Runway Used:	0	IFR Approach:	None
Runway Length/Width:		VFR Approach/Landing:	None

## Wreckage and Impact Information

Crew Injuries:	2 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 None	Latitude, Longitude:	

## Administrative Information

Investigator In Charge (IIC):	DAVID A BOLDENOW
Additional Participating Persons:	JOHN VOLD; FARGO, ND
Investigation Docket:	NTSB accident and incident docket 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 <a href="mailto:pubinq@ntsb.gov">pubinq@ntsb.gov</a> , or at 800-877-6799. Dockets released after this date are available at <a href="http://dms.nts.gov/pubdms/">http://dms.nts.gov/pubdms/</a> .