



National Transportation Safety Board Aviation Accident Data Summary

Location:	BERTHOUD, CO	Accident Number:	DEN86FA070
Date & Time:	02/01/1986, 1725 MST	Registration:	N46193
Aircraft:	CESSNA 152	Injuries:	2 Fatal
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

STUDENT PLT RENTED ACFT FROM FLYING CLUB, ACFT WAS OBSERVED BY WITNESSES TO APPROACH THE LAKE FROM THE SOUTH END AT A LOW ALT. ACFT STRUCK WATER WITH RIGHT MAIN LND GEAR AND RT WING TIP, AND NOSED OVER. THE WATER WAS DESCRIBED AS BEING 'GLASSY' AND THE SUN HAD SET. THE STUDENT PLT HAS 57 HOURS TOTAL FLT TIME.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

Findings

Occurrence #1: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: MANEUVERING

Findings

1. (C) IN-FLIGHT PLANNING/DECISION - IMPROPER - PILOT IN COMMAND
2. (C) LOW PASS - ATTEMPTED - PILOT IN COMMAND
3. (F) OVERCONFIDENCE IN PERSONAL ABILITY - PILOT IN COMMAND
4. (F) LIGHT CONDITION - DUSK
5. (C) BECAME LOST/DISORIENTED - INADVERTENT - PILOT IN COMMAND
6. (F) VISUAL/AURAL PERCEPTION - PILOT IN COMMAND
7. (F) TERRAIN CONDITION - WATER, GLASSY

Pilot Information

Certificate:	Student	Age:	17
Airplane Rating(s):	None	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	57 hours (Total, all aircraft), 57 hours (Total, this make and model), 14 hours (Pilot In Command, all aircraft), 9 hours (Last 90 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N46193
Model/Series:	152 152	Engines:	1 Reciprocating
Operator:		Engine Manufacturer:	LYCOMING
Operating Certificate(s) Held:	None	Engine Model/Series:	O-235-L2C
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Dusk
Observation Facility, Elevation:	, 0 ft msl	Weather Information Source:	Witness
Lowest Ceiling:	None / 0 ft agl	Wind Speed/Gusts, Direction:	Calm / ,
Temperature:	2 °C	Visibility	10 Miles
Precipitation and Obscuration:			
Departure Point:	BROOMFIELD, CO (BJC)	Destination:	

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	GREGORY A FEITH	Adopted 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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