



Aviation Investigation Final Report

Location:	CUBE COVE, Alaska	Accident Number:	ANC91LA106
Date & Time:	July 24, 1991, 12:00 Local	Registration:	N8295Q
Aircraft:	CESSNA 206	Aircraft Damage:	Substantial
Defining Event:		Injuries:	2 None
Flight Conducted Under:	Part 91: General aviation		

Analysis

DURING THE LANDING ROLL, THE PILOT APPLIED FULL BRAKES. THE PILOT THEN LOST DIRECTIONAL CONTROL AND THE AIRPLANE NOSED OVER ON ITS BACK. EXAMINATION OF THE BRAKE SYSTEM REVEALED A STRESS CRACK UNDER THE SLEEVE WHICH CAUSED A COMPLETE LOSS OF BRAKE FLUID WHEN THE BRAKES WERE APPLIED BY THE PILOT.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: A COMPLETE FAILURE OF THE BRAKE SYSTEM DUE TO A CRACK IN THE BRAKE LINES. CONTRIBUTING TO THE ACCIDENT WAS THAT THE BRAKES WERE NOT ADEQUATELY MAINTAINED BY COMPANY MAINTENANCE PERSONNEL.

Findings

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

Findings

1. (C) LANDING GEAR,NORMAL BRAKE SYSTEM - FAILURE,TOTAL
2. (F) BRAKES(NORMAL) - NOT MAINTAINED - COMPANY MAINTENANCE PERSONNEL
3. (C) LANDING GEAR,NORMAL BRAKE SYSTEM - CRACKED

Occurrence #2: NOSE OVER
Phase of Operation: LANDING - ROLL

Factual Information

Pilot Information

Certificate:	Commercial	Age:	31,Female
Airplane Rating(s):	Single-engine land; Single-engine sea; Multi-engine land	Seat Occupied:	Unknown
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 2 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	April 5, 1991
Occupational Pilot:	UNK	Last Flight Review or Equivalent:	
Flight Time:	2160 hours (Total, all aircraft), 2000 hours (Total, this make and model), 2060 hours (Pilot In Command, all aircraft), 77 hours (Last 90 days, all aircraft), 15 hours (Last 30 days, all aircraft), 3 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N8295Q
Model/Series:	206 206	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	U20603156
Landing Gear Type:	Amphibian	Seats:	6
Date/Type of Last Inspection:	July 17, 1991 100 hour	Certified Max Gross Wt.:	3800 lbs
Time Since Last Inspection:	14 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	4716 Hrs	Engine Manufacturer:	CONTINENTAL
ELT:	Installed, not activated	Engine Model/Series:	IO-520-F
Registered Owner:	SILVER BAY LOGGING	Rated Power:	300 Horsepower
Operator:	SILVER BAY LOGGING	Operating Certificate(s) Held:	None
Operator Does Business As:		Operator Designator Code:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:		Distance from Accident Site:	
Observation Time:		Direction from Accident Site:	
Lowest Cloud Condition:	Unknown / 2500 ft AGL	Visibility	20 miles
Lowest Ceiling:	Overcast / 2500 ft AGL	Visibility (RVR):	
Wind Speed/Gusts:	8 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	360°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	16°C / 3°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	CORNER BAY , AK	Type of Flight Plan Filed:	Company VFR
Destination:		Type of Clearance:	None
Departure Time:	11:45 Local	Type of Airspace:	Class G

Airport Information

Airport:	CUBE COVE CVW	Runway Surface Type:	Gravel
Airport Elevation:	600 ft msl	Runway Surface Condition:	Dry
Runway Used:	18	IFR Approach:	None
Runway Length/Width:	1600 ft / 50 ft	VFR Approach/Landing:	Full stop

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	1 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 None	Latitude, Longitude:	

Administrative Information

Investigator In Charge (IIC): Michelangelo, James

Additional Participating Persons: NONE;

Original Publish Date: May 27, 1993

Last Revision Date:

Investigation Class: [Class](#)

Note:

Investigation Docket: <https://data.ntsb.gov/Docket?ProjectID=5585>

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