



National Transportation Safety Board Aviation Accident Factual Report

Location:	Anaktuvuk Pass, AK	Accident Number:	ANC06LA109
Date & Time:	08/01/2006, 1730 AKD	Registration:	N4040W
Aircraft:	de Havilland DHC-2 MK.1	Aircraft Damage:	Substantial
Defining Event:		Injuries:	6 None

Flight Conducted Under: Part 135: Air Taxi & Commuter - Non-scheduled

On August 1, 2006, about 1730 Alaska daylight time, a float-equipped, de Havilland DHC-2 Mk.1 airplane, N4040W, sustained substantial damage when it struck the shore during takeoff from a remote lake, about 50 miles south of Anaktuvuk Pass, Alaska. The airplane was being operated by Brooks Range Aviation, Bettles, Alaska, as a visual flight rules (VFR) passenger flight under Title 14, CFR Part 135, when the accident occurred. The airline transport certificated pilot and the five passengers were not injured. Visual meteorological conditions prevailed, and company flight following procedures were in effect.

During a telephone conversation with the National Transportation Safety Board (NTSB) investigator-in-charge (IIC) on August 1, the Bettles Airport manager said the float-equipped accident airplane landed on the hard-surfaced runway at Bettles. The manager said the pilot told her that he had struck the shore during takeoff from a lake, and feared the floats would not support the airplane during a water landing, and elected to land on the hard-surface runway. The manager reported that during landing the float's supporting structure collapsed, and the airplane sat on its tail.

On August 3, the director of operations for the company told the IIC he believed that damage to the airplane was limited to the floats and support structure, however the airplane had been put back on wheels, and the airplane was being ferried to a repair facility to have the fuselage examined and repaired, if necessary.

On August 10, an FAA maintenance inspector who examined the repairs made to the airplane, told the IIC that an aft fuselage bulkhead had to be cut and spliced at the bottom, and that several additional fuselage stringers had to be cut and repaired, or replaced.

In a written statement to the NTSB dated August 27, the pilot wrote that he "hesitated" at the takeoff abort point long enough that he felt he had no choice but to continue the takeoff, and that the floats hit the bank just as the airplane became airborne.

Pilot Information

Certificate:	Airline Transport; Flight Instructor	Age:	62, Male
Airplane Rating(s):	Multi-engine Land; Multi-engine Sea; Single-engine Land; Single-engine Sea	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	Airplane Single-engine	Toxicology Performed:	No
Medical Certification:	Class 2 Without Waivers/Limitations	Last FAA Medical Exam:	05/01/2006
Occupational Pilot:		Last Flight Review or Equivalent:	06/01/2006
Flight Time:	16631 hours (Total, all aircraft), 422 hours (Total, this make and model), 8610 hours (Pilot In Command, all aircraft), 99 hours (Last 90 days, all aircraft), 97 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	de Havilland	Registration:	N4040W
Model/Series:	DHC-2 MK.1	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	1147
Landing Gear Type:	Float	Seats:	7
Date/Type of Last Inspection:	07/01/2006, 100 Hour	Certified Max Gross Wt.:	5090 lbs
Time Since Last Inspection:	56 Hours	Engines:	1 Reciprocating
Airframe Total Time:	127000 Hours as of last inspection	Engine Manufacturer:	Pratt & Whitney Canada
ELT:	Installed, not activated	Engine Model/Series:	R-985-14G
Registered Owner:	Jespersion Aircraft Services Inc.	Rated Power:	450 hp
Operator:	BROOKS RANGE AVIATION INC	Operating Certificate(s) Held:	On-demand Air Taxi (135)
Operator Does Business As:	Brooks Range Aviation	Operator Designator Code:	FWOA

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:		Distance from Accident Site:	
Observation Time:		Direction from Accident Site:	
Lowest Cloud Condition:	Clear	Visibility	10 Miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	Light and Variable /	Turbulence Type Forecast/Actual:	/
Wind Direction:	Variable	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	16 ° C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Anaktuvuk Pass, AK	Type of Flight Plan Filed:	Company VFR
Destination:	Bettles, AK (PABT)	Type of Clearance:	None
Departure Time:	1730 ADT	Type of Airspace:	

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	5 None	Aircraft Fire:	
Ground Injuries:	N/A	Aircraft Explosion:	
Total Injuries:	6 None	Latitude, Longitude:	68.251944, -154.088889

Administrative Information

Investigator In Charge (IIC):	Lawrence R Lewis
Additional Participating Persons:	Gary Hunt; Fairbanks FSDO-01; Fairbanks, AK
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/ .