



## National Transportation Safety Board Aviation Accident Factual Report

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<b>Location:</b>	Yakutat, AK	<b>Accident Number:</b>	ANC05LA133
<b>Date &amp; Time:</b>	09/01/2005, 1700 AKD	<b>Registration:</b>	N4991F
<b>Aircraft:</b>	Cessna 206	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	5 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

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On September 1, 2005, about 1700 Alaska daylight time, a wheel-equipped Cessna 206 airplane, N4991F, sustained substantial damage when it collided with soft terrain in a tidal area during takeoff initial climb from a remote airstrip, about 45 miles east of Yakutat, Alaska. The airplane was being operated by the pilot as a visual flight rules (VFR) local area personal flight under Title 14, CFR Part 91, when the accident occurred. The airline transport certificated pilot and the four passengers were not injured. Visual meteorological conditions prevailed. The flight originated at the East Alsek River airstrip, and was en route to the Tanis Mesa airstrip. No flight plan was filed.

During a telephone conversation with the National Transportation Safety Board (NTSB) investigator-in-charge (IIC), on September 2, the pilot reported that he was departing on runway 20 from the gravel surfaced East Alsek River airstrip, which is 1,100 feet long, and 10 feet wide. The pilot said that during the takeoff roll, the airplane became airborne in ground effect, but the engine power rapidly decreased, and the airplane settled into about 12 inches of water in the tidal zone of the East Alsek River. During the touchdown, the right main landing gear dug into the soft sand, spinning the airplane to the right. The propeller and right wingtip struck the ground. The pilot indicated that the airplane had flown through heavy rain in the previous four days, but he had not encountered any problems until the accident takeoff. The airplane received structural damage to the right wingtip and right wing root.

The FAA's Airport/Facility Directory, Alaska Supplement listing for the airstrip states, in part: "Unattended. Runway 02-20 [has] dips and humps 8 to 12 inches entire length. Rocks on surface to 3 inches. Runway used as a road."

On September 12, recovery personnel reported via telephone that sufficient airframe and propeller repairs were made to the airplane at the accident site, and it was flown to Anchorage, Alaska. On January 11, 2006, recovery personnel stated that no engine problems were encountered during the recovery process.

The pilot was sent a Pilot/Operator Aircraft Accident Report (NTSB form 6120.1) on September 7, but the form was not received at the NTSB's Alaska Regional Office, Anchorage.

During a telephone conversation with the NTSB IIC on December 13, the pilot reported that he mailed the form. A second NTSB Form 6120.1 was sent to the pilot on December 13, but was not received at the NTSB's Alaska Regional Office.

An FAA Air Safety Inspector, Juneau Flight Standards District Office, Juneau, Alaska, interviewed the pilot and passengers. The inspector reported that the pilot told him the airplane became airborne after hitting some bumps about 2/3 of the way down the runway. The pilot said he attempted to keep the airplane airborne in ground effect, but it settled to the ground beyond the end of the runway in high grass and water. Based on his interviews, the inspector estimated that the airplane was within 100 pounds of its gross weight limit with the pilot and passengers, fishing equipment, and a dog aboard. The airplane was not equipped with oversize tires. The inspector indicated that air taxi operators in the local area only use the airstrip while carrying a reduced amount of load due to the condition of the airstrip surface.

### Pilot Information

<b>Certificate:</b>	Airline Transport; Commercial; Private	<b>Age:</b>	50, Male
<b>Airplane Rating(s):</b>	Multi-engine Land; Single-engine Land	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	Helicopter	<b>Restraint Used:</b>	Seatbelt, Shoulder harness
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 1 With Waivers/Limitations	<b>Last FAA Medical Exam:</b>	05/01/2005
<b>Occupational Pilot:</b>		<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	11600 hours (Total, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Cessna	<b>Registration:</b>	N4991F
<b>Model/Series:</b>	206	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	No
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	U2060691
<b>Landing Gear Type:</b>	Tricycle	<b>Seats:</b>	5
<b>Date/Type of Last Inspection:</b>	12/01/2004, Annual	<b>Certified Max Gross Wt.:</b>	3600 lbs
<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-520
<b>Registered Owner:</b>	Christopher P. Chouinard	<b>Rated Power:</b>	300 hp
<b>Operator:</b>	Christopher P. Chouinard	<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:		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:		Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	18° C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Yakutat, AK (AK76)	Type of Flight Plan Filed:	None
Destination:	Yakutat, AK (A69)	Type of Clearance:	None
Departure Time:	1700 ADT	Type of Airspace:	

## Airport Information

Airport:	East Alsek River (AK76)	Runway Surface Type:	Gravel
Airport Elevation:	20 ft	Runway Surface Condition:	Dry
Runway Used:	20	IFR Approach:	None
Runway Length/Width:	1100 ft / 10 ft	VFR Approach/Landing:	None

## Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	4 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	5 None	Latitude, Longitude:	59.126111, -138.406944

## Administrative Information

Investigator In Charge (IIC):	Scott Erickson
Additional Participating Persons:	Larry West; FAA-AL JNU FSDO 05; Juneau, 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 <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> .