



Aviation Investigation Final Report

Location:	Cascade, Idaho	Accident Number:	WPR11CA034
Date & Time:	November 2, 2010, 14:12 Local	Registration:	N3488L
Aircraft:	Cessna U206B	Aircraft Damage:	Substantial
Defining Event:	Nose over/nose down	Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot, who was flying the second airplane in a flight of two, was maneuvering in the traffic pattern at a remote back-country airstrip. The approach to the airstrip required the pilots to make a precise base leg to final turn between two steep rock cliffs. During the accident pilot's turn to final approach, he inadvertently made too wide of a turn, resulting in the airplane's nose and right main landing gear colliding with the cliff and becoming separated from the airframe. After the pilot in the other airplane confirmed the extent of the damage, the pilot flying the accident airplane maneuvered to a town where emergency personnel could be available on the ground. Due to the damage, the pilot decided to land in the grass/turf area alongside the main runway. During the landing roll, the nose gear strut dug into the soft terrain and the airplane nosed over onto its back.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's failure to maintain clearance from terrain during a turn onto the final approach leg of the traffic pattern.

Findings

Aircraft	Directional control - Not attained/maintained
Environmental issues	Soft surface - Contributed to outcome
Environmental issues	Mountainous/hilly terrain - Response/compensation

Factual Information

History of Flight

Approach-VFR pattern final	Controlled flight into terr/obj (CFIT)
Landing-landing roll	Nose over/nose down (Defining event)

Pilot Information

Certificate:	Commercial	Age:	26, Male
Airplane Rating(s):	Single-engine land; Multi-engine land	Seat Occupied:	
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 With waivers/limitations	Last FAA Medical Exam:	June 23, 2010
Occupational Pilot:	Yes	Last Flight Review or Equivalent:	September 30, 2010
Flight Time:	2800 hours (Total, all aircraft), 1700 hours (Total, this make and model)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N3488L
Model/Series:	U206B	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	U206-0788
Landing Gear Type:	Tricycle	Seats:	6
Date/Type of Last Inspection:		Certified Max Gross Wt.:	
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	Continental Motors
ELT:		Engine Model/Series:	IO-520B
Registered Owner:	Scott W. Patrick	Rated Power:	
Operator:	Scott W. Patrick	Operating Certificate(s) Held:	On-demand air taxi (135)

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:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	/	Turbulence Type Forecast/Actual:	/
Wind Direction:		Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	16°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Wilson Bar, ID	Type of Flight Plan Filed:	None
Destination:	Cascade, ID (U70)	Type of Clearance:	None
Departure Time:	13:58 Local	Type of Airspace:	

Airport Information

Airport:	Cascade U70	Runway Surface Type:	Dirt;Grass/turf
Airport Elevation:		Runway Surface Condition:	Dry;Soft;Vegetation
Runway Used:	30	IFR Approach:	None
Runway Length/Width:	4300 ft	VFR Approach/Landing:	Precautionary landing

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	44.492221,-116.014442(est)

Administrative Information

Investigator In Charge (IIC):	Anderson, Orrin
Additional Participating Persons:	Dan Frandson; Boise FSDO; Boise, ID
Original Publish Date:	March 16, 2011
Last Revision Date:	
Investigation Class:	Class
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.ntsb.gov/Docket?ProjectID=77718

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