



# National Transportation Safety Board Aviation Accident Final Report

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<b>Location:</b>	Chefornak, AK	<b>Accident Number:</b>	ANC12CA036
<b>Date &amp; Time:</b>	05/03/2012, 1040 AKD	<b>Registration:</b>	N1906
<b>Aircraft:</b>	SHORT BROS. & HARLAND SC7 SERIES 3	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Abnormal runway contact	<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 135: Air Taxi & Commuter - Non-scheduled		

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## Analysis

The pilot was landing on a narrow gravel runway adjacent to a gravel road. He reported that both the road and runway were covered with snow and that flat light conditions made it difficult to discern between the two surfaces. He inadvertently landed to the left of the runway on the rough road, which resulted in structural damage to the nose landing gear bulkhead.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's misidentification of a nearby snow-covered road as the snow-covered runway in flat light conditions.

## Findings

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<b>Personnel issues</b>	Identification/recognition - Pilot (Cause)
<b>Environmental issues</b>	Flat light - Effect on personnel (Cause) Snow/slush/ice covered surface - Effect on personnel

## Factual Information

### History of Flight

Approach	Loss of visual reference
Landing-flare/touchdown	Abnormal runway contact (Defining event)
Landing-landing roll	Collision with terr/obj (non-CFIT)

### Pilot Information

Certificate:	Airline Transport; Commercial	Age:	49, Male
Airplane Rating(s):	Multi-engine Land; 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 1 Without Waivers/Limitations	Last Medical Exam:	07/25/2011
Occupational Pilot:	Yes	Last Flight Review or Equivalent:	10/20/2011
Flight Time:	19544 hours (Total, all aircraft), 4682 hours (Total, this make and model), 18942 hours (Pilot In Command, all aircraft), 194 hours (Last 90 days, all aircraft), 91 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

Aircraft Manufacturer:	SHORT BROS. & HARLAND	Registration:	N1906
Model/Series:	SC7 SERIES 3	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	SH1906
Landing Gear Type:	Retractable - Tricycle	Seats:	20
Date/Type of Last Inspection:	04/02/2012, AAIP	Certified Max Gross Wt.:	12500 lbs
Time Since Last Inspection:		Engines:	2 Turbo Prop
Airframe Total Time:	9970 Hours	Engine Manufacturer:	Honeywell
ELT:	C91A installed, not activated	Engine Model/Series:	TPE331-2-201A
Registered Owner:	RYAN AIR INC	Rated Power:	750 hp
Operator:	RYAN AIR INC	Air Carrier Operating Certificate:	On-demand Air Taxi (135)

## Meteorological Information and Flight Plan

Observation Facility, Elevation:	PACK, 40 ft msl	Observation Time:	0954 ADT
Distance from Accident Site:	0 Nautical Miles	Condition of Light:	Day
Direction from Accident Site:		Conditions at Accident Site:	Visual Conditions
Lowest Cloud Condition:	Thin Broken / 600 ft agl	Temperature/Dew Point:	-1 °C / -2 °C
Lowest Ceiling:	Overcast / 3000 ft agl	Visibility	10 Miles
Wind Speed/Gusts, Direction:	3 knots, 270°	Visibility (RVR):	
Altimeter Setting:	29.84 inches Hg	Visibility (RVV):	
Precipitation and Obscuration:			
Departure Point:	Bethel, AK (PABE)	Type of Flight Plan Filed:	Company VFR
Destination:	Chefornak, AK (PACK)	Type of Clearance:	Special VFR
Departure Time:	1002 ADT	Type of Airspace:	

## Airport Information

Airport:	Chefornak (PACK)	Runway Surface Type:	Gravel; Snow
Airport Elevation:	40 ft	Runway Surface Condition:	Snow
Runway Used:	34	IFR Approach:	None
Runway Length/Width:	2500 ft / 28 ft	VFR Approach/Landing:	Traffic Pattern

## Wreckage and Impact Information

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

## Administrative Information

Investigator In Charge (IIC):	Lawrence Lewis	Adopted Date:	10/09/2012
Additional Participating Persons:	Glaser; FAA FSDO-03; Anchorage, AK		
Publish Date:	10/09/2012		
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	<a href="http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=83557">http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=83557</a>		

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