



# Aviation Investigation Final Report

<b>Location:</b>	Galena, Alaska	<b>Accident Number:</b>	ANC10CA051
<b>Date &amp; Time:</b>	June 7, 2010, 16:30 Local	<b>Registration:</b>	N136SP
<b>Aircraft:</b>	Stinson 108-1	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Loss of control on ground	<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

The private pilot was taking off on a personal local flight, under Title 14, CFR Part 91. He reported that during takeoff, the airplane encountered a gust of wind which he was unable to counter with rudder and aileron. He said he pulled the throttle to abort the takeoff, but the airplane ground-looped to the left, the right main landing gear collapsed, and the right wing struck the ground. He said the right wing sustained substantial damage during the accident. He said there were no mechanical problems with the airplane prior to the accident.

## 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 directional control during takeoff, resulting in a ground-loop, and collapse of the right main landing gear.

## Findings

<b>Aircraft</b>	Directional control - Not attained/maintained
<b>Personnel issues</b>	Aircraft control - Pilot
<b>Environmental issues</b>	Gusts - Contributed to outcome

## Factual Information

### History of Flight

Takeoff-rejected takeoff	Loss of control on ground (Defining event)
Takeoff-rejected takeoff	Aircraft structural failure
Takeoff-rejected takeoff	Dragged wing/rotor/float/other

### Pilot Information

Certificate:	Private	Age:	66, Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 With waivers/limitations	Last FAA Medical Exam:	December 9, 2008
Occupational Pilot:	No	Last Flight Review or Equivalent:	October 6, 2009
Flight Time:	8034 hours (Total, all aircraft), 63 hours (Total, this make and model), 34 hours (Last 90 days, all aircraft), 22 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

Aircraft Make:	Stinson	Registration:	N136SP
Model/Series:	108-1	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	108-931
Landing Gear Type:	Tailwheel	Seats:	4
Date/Type of Last Inspection:	February 18, 2010 Annual	Certified Max Gross Wt.:	2330 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	2170 Hrs at time of accident	Engine Manufacturer:	FRANKLIN
ELT:	C126 installed, not activated	Engine Model/Series:	6A4150 SERIES
Registered Owner:	Roger Huntington	Rated Power:	150 Horsepower
Operator:	Roger Huntington	Operating Certificate(s) Held:	None

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>		<b>Distance from Accident Site:</b>	
<b>Observation Time:</b>		<b>Direction from Accident Site:</b>	
<b>Lowest Cloud Condition:</b>	Clear	<b>Visibility</b>	25 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	10 knots / 15 knots	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	330°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	30 inches Hg	<b>Temperature/Dew Point:</b>	18°C
<b>Precipitation and Obscuration:</b>			
<b>Departure Point:</b>	Galena, AK (PAGA)	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	Galena, AK (PAGA)	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	16:30 Local	<b>Type of Airspace:</b>	

## Airport Information

<b>Airport:</b>	Galena PAGA	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	153 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	07	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	7249 ft / 150 ft	<b>VFR Approach/Landing:</b>	None

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>		<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	1 None	<b>Latitude, Longitude:</b>	64.736114,-156.937225

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Lewis, Lawrence
<b>Additional Participating Persons:</b>	Mathew Waln; FAA FSDO-01; Fairbanks, AK
<b>Original Publish Date:</b>	October 21, 2010
<b>Last Revision Date:</b>	
<b>Investigation Class:</b>	<a href="#">Class</a>
<b>Note:</b>	This accident report documents the factual circumstances of this accident as described to the NTSB.
<b>Investigation Docket:</b>	<a href="https://data.nts.gov/Docket?ProjectID=76269">https://data.nts.gov/Docket?ProjectID=76269</a>

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