



# Aviation Investigation Final Report

<b>Location:</b>	Burlington, Washington	<b>Accident Number:</b>	GAA19CA080
<b>Date &amp; Time:</b>	November 29, 2018, 12:00 Local	<b>Registration:</b>	N3619M
<b>Aircraft:</b>	Piper PA 12	<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 pilot reported that, after touching down in crosswind conditions, the tailwheel-equipped airplane drifted left. He then applied opposite rudder and brake, but the airplane continued left, exited the runway, and struck a runway sign.

The airplane sustained substantial damage to the fuselage and empennage.

The pilot reported that there were no preaccident mechanical failures or malfunctions with the airplane that would have precluded normal operation.

The airport's automated weather observation system reported that, about the time of the accident, the wind was from 320° at 8 knots. The pilot landed the airplane on runway 29.

## 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 while landing in crosswind conditions.

## Findings

<b>Aircraft</b>	Directional control - Not attained/maintained
<b>Personnel issues</b>	Aircraft control - Pilot
<b>Environmental issues</b>	Crosswind - Effect on operation
<b>Environmental issues</b>	Sign/marker - Contributed to outcome

## Factual Information

### History of Flight

<b>Landing</b>	Other weather encounter
<b>Landing</b>	Loss of control on ground (Defining event)
<b>Landing</b>	Attempted remediation/recovery
<b>Landing</b>	Runway excursion
<b>Landing</b>	Collision with terr/obj (non-CFIT)

### Pilot Information

<b>Certificate:</b>	Commercial; Flight instructor	<b>Age:</b>	75, Male
<b>Airplane Rating(s):</b>	Single-engine land; Multi-engine land	<b>Seat Occupied:</b>	Front
<b>Other Aircraft Rating(s):</b>	Helicopter	<b>Restraint Used:</b>	3-point
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	Airplane multi-engine; Airplane single-engine; Instrument airplane	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 2 With waivers/limitations	<b>Last FAA Medical Exam:</b>	March 21, 2018
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	May 16, 2018
<b>Flight Time:</b>	(Estimated) 1975 hours (Total, all aircraft), 22 hours (Total, this make and model), 1750 hours (Pilot In Command, all aircraft), 22 hours (Last 90 days, all aircraft), 0.5 hours (Last 30 days, all aircraft), 0.5 hours (Last 24 hours, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Piper	<b>Registration:</b>	N3619M
<b>Model/Series:</b>	PA 12 No Series	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>	1947	<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	12-2517
<b>Landing Gear Type:</b>	Tailwheel	<b>Seats:</b>	3
<b>Date/Type of Last Inspection:</b>	November 5, 2016 Annual	<b>Certified Max Gross Wt.:</b>	1750 lbs
<b>Time Since Last Inspection:</b>		<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>		<b>Engine Manufacturer:</b>	Lycoming
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	O-320-A2A
<b>Registered Owner:</b>	On file	<b>Rated Power:</b>	150 Horsepower
<b>Operator:</b>	On file	<b>Operating Certificate(s) Held:</b>	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>	KBVS,140 ft msl	<b>Distance from Accident Site:</b>	0 Nautical Miles
<b>Observation Time:</b>	19:56 Local	<b>Direction from Accident Site:</b>	136°
<b>Lowest Cloud Condition:</b>	Few / 1200 ft AGL	<b>Visibility</b>	10 miles
<b>Lowest Ceiling:</b>	Broken / 6000 ft AGL	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	8 knots /	<b>Turbulence Type Forecast/Actual:</b>	None / None
<b>Wind Direction:</b>	320°	<b>Turbulence Severity Forecast/Actual:</b>	N/A / N/A
<b>Altimeter Setting:</b>	29.7 inches Hg	<b>Temperature/Dew Point:</b>	11°C / 7°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	Bellingham, WA (BLI )	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	Burlington, WA (BVS )	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	11:30 Local	<b>Type of Airspace:</b>	Class G

## Airport Information

<b>Airport:</b>	SKAGIT RGNL BVS	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	145 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	29	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	5478 ft / 100 ft	<b>VFR Approach/Landing:</b>	Full stop;Traffic pattern

## 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>	48.469444,-122.420555(est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Swenson, Eric
<b>Additional Participating Persons:</b>	Sean Roukema; FAA; Seattle, WA
<b>Original Publish Date:</b>	September 26, 2019
<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=98702">https://data.nts.gov/Docket?ProjectID=98702</a>

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