



# Aviation Investigation Final Report

<b>Location:</b>	PORT TOWNSEND, Washington	<b>Accident Number:</b>	SEA00LA029
<b>Date &amp; Time:</b>	December 4, 1999, 11:40 Local	<b>Registration:</b>	N1936V
<b>Aircraft:</b>	Cessna 140	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	1 Minor
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

The pilot reported that he was aware of gusting wind conditions in the area, however, he opted to continue for landing. While on final approach, the pilot kept the airspeed up to compensate for the crosswind. When the airplane touched down, it bounced and became airborne. The pilot applied power to correct for the situation. When the airplane touched down again, it bounced, then settled to the runway. During the landing roll, a gust of wind lifted the right wing and the left wing contacted the runway surface. The airplane veered to the left, crossed the runway and taxiway, and collided with a ditch off the side of the taxiway. The airplane then nosed over and came to rest inverted. The pilot reported that the crosswind was 10 to 15 knots, with gusts in excess of 15 knots.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: Compensation for wind conditions was inadequate. Gusting wind conditions were a factor.

### Findings

Occurrence #1: LOSS OF CONTROL - ON GROUND/WATER  
Phase of Operation: LANDING - ROLL

#### Findings

1. WEATHER CONDITION - GUSTS
2. COMPENSATION FOR WIND CONDITIONS - INADEQUATE - PILOT IN COMMAND

3. DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND  
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Occurrence #2: NOSE OVER  
Phase of Operation: LANDING - ROLL

## Factual Information

On December 4, 1999, at 1140 Pacific standard time, a Cessna 140, N1936V, registered to and operated by the pilot as a 14 CFR Part 91 personal flight, nosed over during the landing roll at the Jefferson County International Airport, Port Townsend, Washington. Visual meteorological conditions prevailed at the time and no flight plan was filed. The aircraft was substantially damaged and the commercial pilot, the sole occupant, received minor injuries. The flight departed from Snohomish, Washington, about 30 minutes prior to the accident.

During a telephone interview, the pilot reported that he was aware of gusting wind conditions in the area, however, he opted to continue for a landing on runway 9. While on final approach, the pilot kept the airspeed up a little higher to compensate for the crosswind. When the aircraft touched down, it bounced and became airborne. The pilot applied power to correct for the situation. The aircraft touched down a second time and again bounced, then settled to the runway. The pilot reported that during the landing roll, a gust of wind lifted the right wing and the left wing contacted the runway surface. The airplane veered to the left, crossed the runway, a 30 foot wide grass area, and a taxiway before colliding with a ditch on the north side of the taxiway. The airplane then nosed over and came to rest inverted.

The pilot reported that the winds were from the east southeast at 10-15 knots, with gusts in excess of 15 knots.

### Pilot Information

<b>Certificate:</b>	Commercial	<b>Age:</b>	76, Male
<b>Airplane Rating(s):</b>	Single-engine land; Multi-engine land	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	None	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	None Expired	<b>Last FAA Medical Exam:</b>	
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>			

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Cessna	<b>Registration:</b>	N1936V
<b>Model/Series:</b>	140 140	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	14140
<b>Landing Gear Type:</b>	Tailwheel	<b>Seats:</b>	2
<b>Date/Type of Last Inspection:</b>	Annual	<b>Certified Max Gross Wt.:</b>	1450 lbs
<b>Time Since Last Inspection:</b>	60 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	1547 Hrs	<b>Engine Manufacturer:</b>	Continental
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	C85-12F
<b>Registered Owner:</b>	ELDEN W. LARSON	<b>Rated Power:</b>	85 Horsepower
<b>Operator:</b>		<b>Operating Certificate(s) Held:</b>	None
<b>Operator Does Business As:</b>		<b>Operator Designator Code:</b>	

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	PAE ,606 ft msl	<b>Distance from Accident Site:</b>	23 Nautical Miles
<b>Observation Time:</b>	10:53 Local	<b>Direction from Accident Site:</b>	90°
<b>Lowest Cloud Condition:</b>	Unknown	<b>Visibility</b>	10 miles
<b>Lowest Ceiling:</b>	Broken / 7000 ft AGL	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	8 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	120°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	30 inches Hg	<b>Temperature/Dew Point:</b>	7°C / 3°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	SNOHOMISH , WA (S43 )	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>		<b>Type of Clearance:</b>	VFR
<b>Departure Time:</b>	11:10 Local	<b>Type of Airspace:</b>	Class E

## Airport Information

<b>Airport:</b>	JEFFERSON CO. INTL. 0S9	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	107 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	9	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	3000 ft / 75 ft	<b>VFR Approach/Landing:</b>	Traffic pattern

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 Minor	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>		<b>Aircraft Fire:</b>	On-ground
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	1 Minor	<b>Latitude, Longitude:</b>	48.030368,-122.839637(est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Eckrote, Debra
<b>Additional Participating Persons:</b>	EUGENE N BEAUCHEMIN; RENTON , WA
<b>Original Publish Date:</b>	June 22, 2000
<b>Last Revision Date:</b>	
<b>Investigation Class:</b>	<a href="#">Class</a>
<b>Note:</b>	
<b>Investigation Docket:</b>	<a href="https://data.ntsb.gov/Docket?ProjectID=48386">https://data.ntsb.gov/Docket?ProjectID=48386</a>

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